DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. 45679 – C,H,P,E

CONSTRUCTION, HVAC, PLUMBING AND ELECTRICAL WORK
INDUSTRY SECURE CENTER
101 RYDER HILL ROAD
RUSH, NEW YORK 14543

September 25, 2017

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

INTRODUCTORY INFORMATION

1. DOCUMENT 000101 TITLE PAGE:
   a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
   b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

2. DOCUMENT 000105 CERTFIFICATION PAGE:
   a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
   b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

BIDDING REQUIREMENTS

3. DOCUMENT 001114 ADVERTISEMENT FOR BIDS, where referenced:
   a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
   b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

4. DOCUMENT 003113 PRELIMINARY PROJECT SCHEDULE: Discard the section bound in Project Manual and use the substitute the accompanying section noted "Revised 9/25/17".

5. DOCUMENT 004113 BID FORM, where referenced:
   a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
   b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

6. DOCUMENT 004313 FORM OF BID BOND – BID SECURITY, where referenced:

a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

SPECIFICATION GROUP

CONSTRUCTION WORK

7. SECTION 064000 ARCHITECTURAL WOODWORK: Discard the section bound in the Project Manual and substitute the accompanying section (Pages 064000-1 through 064000-6), noted "Revised 9/25/17".

8. SECTION 321216 ASPHALT CONCRETE PAVING: Discard the Section Bound in the Project Manual and substitute the accompanying Section (Pages 321216-1 through 321216-2), noted " Revised 9/25/17".

9. CONTRACTOR'S CERTIFICATION STATEMENT, where referenced:
   a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
   b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

HVAC WORK

10. CONTRACTOR'S CERTIFICATION STATEMENT, where referenced:
    a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
    b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

PLUMBING WORK

11. CONTRACTOR'S CERTIFICATION STATEMENT, where referenced:
    a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
    b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

ELECTRICAL WORK

12. SECTION 230923 DIRECT DIGITAL BUILDING CONTROL SYSTEM: Discard the section bound in the Project Manual and substitute the accompanying section (Pages 230923-1 through 230923-53), noted "Revised 9/25/17".

13. SECTION 260506 WIRING FOR DETENTION EQUIPMENT: Discard the section bound in the Project Manual and substitute the accompanying section (Pages 260506-1 through 260506-7), noted "Revised 9/25/17".

14. SECTION 265533 SECURITY FENCE LIGHTING SYSTEM: Discard the section bound in the Project Manual and substitute the accompanying section (Pages 265533-1 through 265533-4), noted "Revised 9/25/17".

15. CONTRACTOR'S CERTIFICATION STATEMENT, where referenced:
    a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
    b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

DRAWINGS

16. ALL CONTRACT DRAWINGS:
    a. Change the Facility name from: "INDUSTRY LIMTIED SECURE CENTER" to "INDUSTRY SECURE CENTER".
    b. Change the Facility address from: "375 Rush-Scottsville Road" to "101 Ryder Hill Road"

17. Revised Drawings:
    a. Drawings listed below, noted "ADDENDUM NO. 1 09/25/17" accompany this Addendum and superseded the same numbered originally issued.

General Drawings
G-0000

CONSTRUCTION WORK DRAWINGS

18. Addendum Drawing:
    a. Drawing No. C-0507, noted "ADDENDUM DRAWING 09/25/17" accompanies this Addendum and forms part of the Contract Documents.

19. Revised Drawings:
    a. Drawings listed below, noted "ADDENDUM 1 09/25/17" accompany this Addendum and superseded the same numbered originally issued.

Civil Drawings

C-0002	C-0112	C-0131	C-0150
C-0100	C-0120	C-0132	C-0151
C-0101	C-0121	C-0140	C-0152
C-0102	C-0122	C-0141	C-0500
C-0110	C-0130	C-0142	C-0502
C-0111			

Architectural Drawings

A-1001	A-1605	A-2602	A-6101
A-1005	A-2001	A-3002	A-6102
A-1101	A-2005	A-3101	A-6105
A-1103	A-2101	A-3601	A-6106
A-1104	A-2103	A-4002	A-6107
A-1201	A-2104	A-4101	A-6108
A-1202	A-2201	A-4103	A-6201
A-1304	A-2202	A-4601	A-6202
A-1401	A-2304	A-5002	A-6401
A-1402	A-2401	A-5101	A-6411
A-1600	A-2402	A-5103	A-6605
A-1601	A-2600	A-5601	
A-1602	A-2601	A-6001	

HVAC WORK DRAWINGS

20. Revised Drawings:
    a. Drawings listed below, noted "ADDENDUM 1 09/25/17" accompany this Addendum and superseded the same numbered originally issued.

Mechanical Drawings

M-1101	M-1601	M-2103	M-3201
M-1102	M-2101	M-2601	M-4101
M-1103	M-2102	M-3101	M-5101

PLUMBING WORK DRAWINGS

21. Revised Drawings:

a. Drawings listed below, noted "ADDENDUM 1 09/25/17" accompany this Addendum and superseded the same numbered originally issued.

Plumbing Drawings

P-1102	P-1105	P-2102	P-2105
P-1103	P-1503	P-2103	P-2503

ELECTRICAL WORK DRAWINGS

22. Revised Drawings:

a. Drawings listed below, noted "ADDENDUM 1 09/25/17" accompany this Addendum and superseded the same numbered originally issued.

Electrical Drawings

E-0002	E-1612	E-2610	E-6101
E-1001	E-1701	E-2611	E-6102
E-1003	E-2001	E-2612	E-6103
E-1101	E-2002	E-2701	E-6104
E-1102	E-2003	E-3102	E-6105
E-1103	E-2101	E-3201	E-6401
E-1401	E-2102	E-4102	E-6402
E-1601	E-2103	E-4201	E-6601
E-1602	E-2401	E-5102	E-6701
E-1610	E-2601	E-5201	
E-1611	E-2602	E-6001	

Security Drawings

EY-0001	EY-2201	EY-4501	EY-6104
EY-0002	EY-2501	EY-4502	EY-6202
EY-0003	EY-2502	EY-4503	EY-6502
EY-1101	EY-2503	EY-5102	EY-6503
EY-1201	EY-2701	EY-5201	EY-7501
EY-1501	EY-3102	EY-5501	EY-7601
EY-1502	EY-3501	EY-5502	EY-7602
EY-1503	EY-3502	EY-5503	EY-7606
EY-1701	EY-3503	EY-6101	EY-7614
EY-2101	EY-4102	EY-6103	

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

REVISED 9/25/17

DOCUMENT 003113

PRELIMINARY PROJECT SCHEDULE

A Preliminary Project Schedule has been prepared for this project in CPM network format utilizing the Precedence Diagram Method. Bid Milestones are presented on the following pages which encompass the anticipated durations of Work related to the Project. The detailed Preliminary Project Schedule will be made available for review by the Contractors after award of the Contract to further assist in final CPM Baseline Project Schedule preparation in accordance with Sections 013200 and 013119.

After execution of the CMU-01 Agreement (blank included on last page of document 013200), the Project Schedule will become the basis for coordinating the work activities, measuring progress, and approving progress payments.

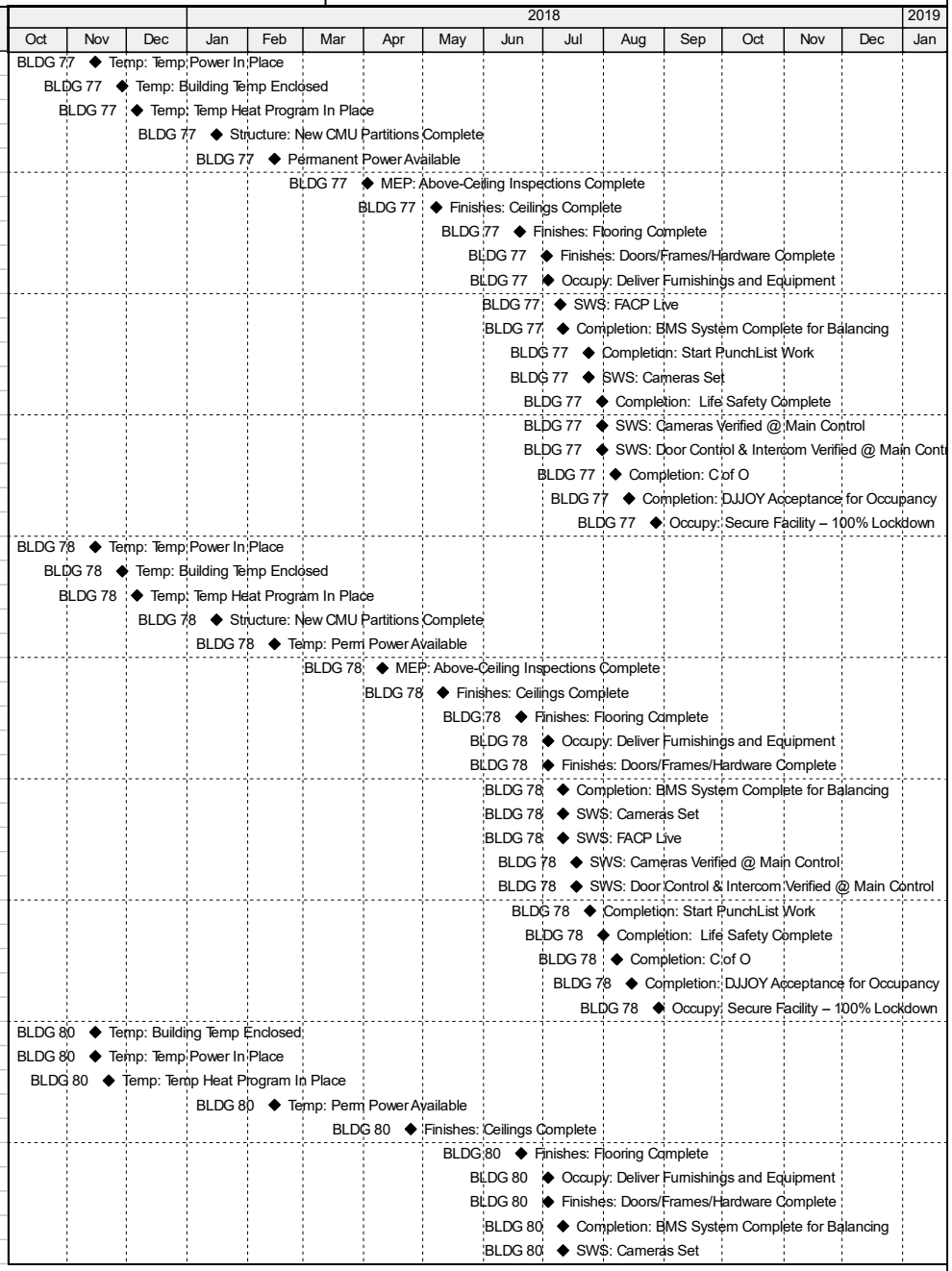
NOTE: The Bid Milestones summarizing the Preliminary Project Schedule included in this Document are to be used as reference in preparing a bid response. It is not intended that these examples limit the Contractor in anyway in preparation of a bid response.

45679 Industry Secure Center
Provide Building Upgrades
Addendum No. 1
21-Sep-17

45679 - Industry Secure Center

Project Milestones

Activity ID	Phase/Area	Activity Name	Start
B77-1140	BLDG 77	Temp: Temp Power In Place	15-Nov-17
B77-1190	BLDG 77	Temp: Building Temp Enclosed	29-Nov-17
B77-1200	BLDG 77	Temp: Temp Heat Program In Place	06-Dec-17
B77-1250	BLDG 77	Structure: New CMU Partitions Complete	16-Jan-18
B77-1350	BLDG 77	Permanent Power Available	14-Feb-18
B77-1410	BLDG 77	MEP: Above-Ceiling Inspections Complete	03-Apr-18
B77-1460	BLDG 77	Finishes: Ceilings Complete	08-May-18
B77-1482	BLDG 77	Finishes: Flooring Complete	19-Jun-18
B77-1502	BLDG 77	Finishes: Doors/Frames/Hardware Complete	03-Jul-18
B77-1580	BLDG 77	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B77-1670	BLDG 77	SWS: FACP Live	10-Jul-18
B77-1600	BLDG 77	Completion: BMS System Complete for Balancing	11-Jul-18
B77-1630	BLDG 77	Completion: Start PunchList Work	24-Jul-18
B77-1660	BLDG 77	SWS: Cameras Set	24-Jul-18
B77-1720	BLDG 77	Completion: Life Safety Complete	31-Jul-18
B77-1690	BLDG 77	SWS: Cameras Verified @ Main Control	31-Jul-18
B77-1700	BLDG 77	SWS: Door Control & Intercom Verified @ Main Control	31-Jul-18
B77-1730	BLDG 77	Completion: C of O	07-Aug-18
B77-1750	BLDG 77	Completion: DJJOY Acceptance for Occupancy	14-Aug-18
B77-1760	BLDG 77	Occupy: Secure Facility – 100% Lockdown	28-Aug-18
B78-1130	BLDG 78	Temp: Temp Power In Place	15-Nov-17
B78-1190	BLDG 78	Temp: Building Temp Enclosed	29-Nov-17
B78-1200	BLDG 78	Temp: Temp Heat Program In Place	06-Dec-17
B78-1250	BLDG 78	Structure: New CMU Partitions Complete	16-Jan-18
B78-1350	BLDG 78	Temp: Perm Power Available	14-Feb-18
B78-1410	BLDG 78	MEP: Above-Ceiling Inspections Complete	10-Apr-18
B78-1460	BLDG 78	Finishes: Ceilings Complete	11-May-18
B78-1482	BLDG 78	Finishes: Flooring Complete	20-Jun-18
B78-1580	BLDG 78	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B78-1502	BLDG 78	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B78-1600	BLDG 78	Completion: BMS System Complete for Balancing	11-Jul-18
B78-1660	BLDG 78	SWS: Cameras Set	11-Jul-18
B78-1670	BLDG 78	SWS: FACP Live	11-Jul-18
B78-1690	BLDG 78	SWS: Cameras Verified @ Main Control	18-Jul-18
B78-1700	BLDG 78	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B78-1630	BLDG 78	Completion: Start PunchList Work	25-Jul-18
B78-1720	BLDG 78	Completion: Life Safety Complete	01-Aug-18
B78-1730	BLDG 78	Completion: C of O	08-Aug-18
B78-1750	BLDG 78	Completion: DJJOY Acceptance for Occupancy	15-Aug-18
B78-1760	BLDG 78	Occupy: Secure Facility – 100% Lockdown	29-Aug-18
B80-1060	BLDG 80	Temp: Building Temp Enclosed	15-Nov-17
B80-1070	BLDG 80	Temp: Temp Power In Place	15-Nov-17
B80-1080	BLDG 80	Temp: Temp Heat Program In Place	22-Nov-17
B80-1130	BLDG 80	Temp: Perm Power Available	14-Feb-18
B80-1170	BLDG 80	Finishes: Ceilings Complete	25-Apr-18
B80-1182	BLDG 80	Finishes: Flooring Complete	20-Jun-18
B80-1350	BLDG 80	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B80-1202	BLDG 80	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B80-1310	BLDG 80	Completion: BMS System Complete for Balancing	11-Jul-18
B80-1390	BLDG 80	SWS: Cameras Set	11-Jul-18



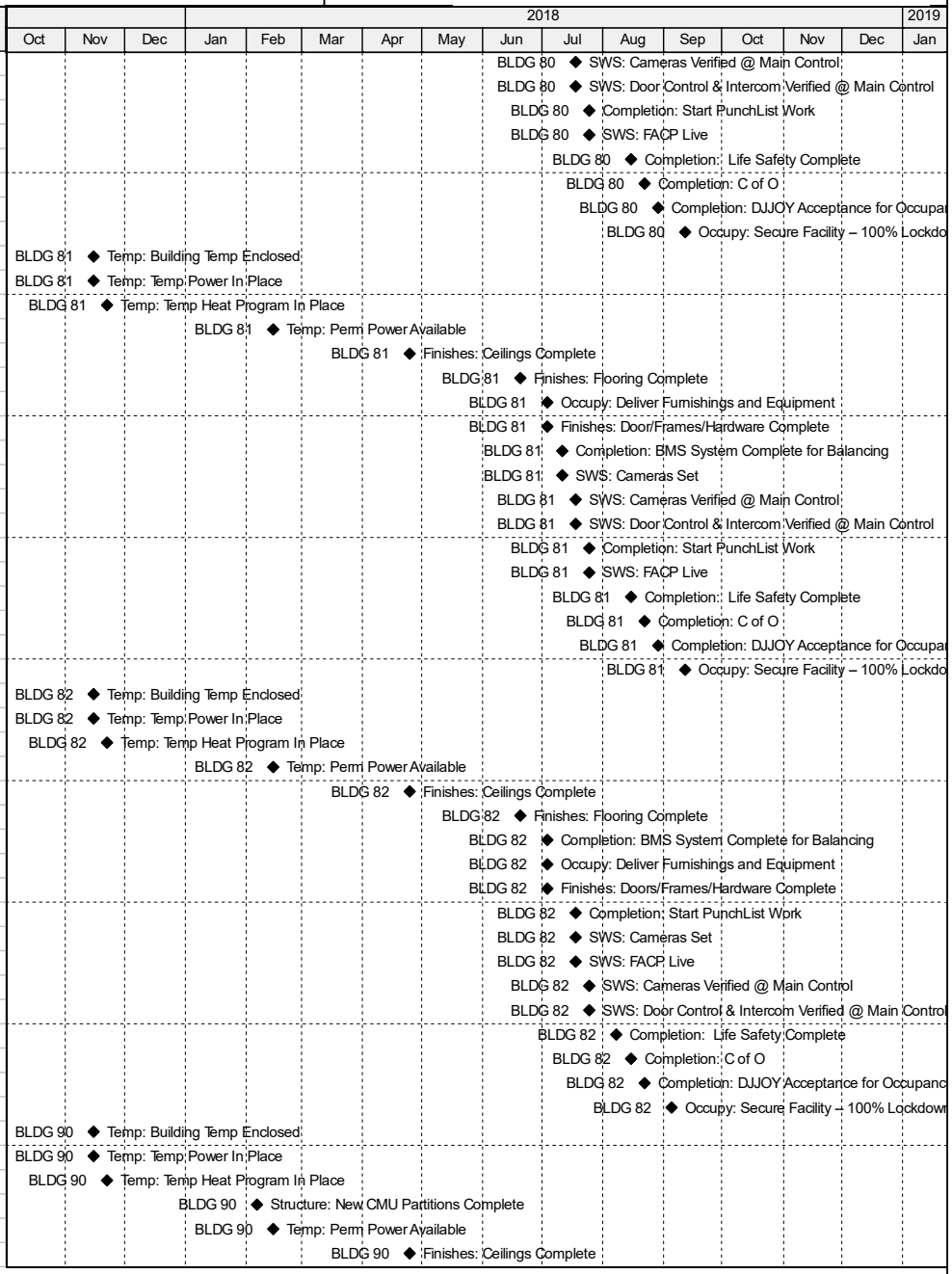
45679 Industry Secure Center
Provide Building Upgrades
Addendum No. 1
21-Sep-17

45679 - Industry Secure Center

Project Milestones

NEW YORK STATE OF OPPORTUNITY. Office of General Services

Activity ID	Phase/Area	Activity Name	Start
B80-1420	BLDG 80	SWS: Cameras Verified @ Main Control	18-Jul-18
B80-1430	BLDG 80	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B80-1360	BLDG 80	Completion: Start PunchList Work	25-Jul-18
B80-1400	BLDG 80	SWS: FACP Live	25-Jul-18
B80-1450	BLDG 80	Completion: Life Safety Complete	15-Aug-18
B80-1460	BLDG 80	Completion: C of O	22-Aug-18
B80-1470	BLDG 80	Completion: DJJOY Acceptance for Occupancy	29-Aug-18
B80-1500	BLDG 80	Occupy: Secure Facility – 100% Lockdown	12-Sep-18
B81-1060	BLDG 81	Temp: Building Temp Enclosed	15-Nov-17
B81-1010	BLDG 81	Temp: Temp Power In Place	15-Nov-17
B81-1070	BLDG 81	Temp: Temp Heat Program In Place	22-Nov-17
B81-1130	BLDG 81	Temp: Perm Power Available	14-Feb-18
B81-1170	BLDG 81	Finishes: Ceilings Complete	25-Apr-18
B81-1182	BLDG 81	Finishes: Flooring Complete	20-Jun-18
B81-1350	BLDG 81	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B81-1202	BLDG 81	Finishes: Door/Frames/Hardware Complete	04-Jul-18
B81-1310	BLDG 81	Completion: BMS System Complete for Balancing	11-Jul-18
B81-1390	BLDG 81	SWS: Cameras Set	11-Jul-18
B81-1420	BLDG 81	SWS: Cameras Verified @ Main Control	18-Jul-18
B81-1430	BLDG 81	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B81-1360	BLDG 81	Completion: Start PunchList Work	25-Jul-18
B81-1400	BLDG 81	SWS: FACP Live	25-Jul-18
B81-1450	BLDG 81	Completion: Life Safety Complete	15-Aug-18
B81-1460	BLDG 81	Completion: C of O	22-Aug-18
B81-1470	BLDG 81	Completion: DJJOY Acceptance for Occupancy	29-Aug-18
B81-1500	BLDG 81	Occupy: Secure Facility – 100% Lockdown	12-Sep-18
B82-1060	BLDG 82	Temp: Building Temp Enclosed	15-Nov-17
B82-1000	BLDG 82	Temp: Temp Power In Place	15-Nov-17
B82-1070	BLDG 82	Temp: Temp Heat Program In Place	22-Nov-17
B82-1130	BLDG 82	Temp: Perm Power Available	14-Feb-18
B82-1170	BLDG 82	Finishes: Ceilings Complete	25-Apr-18
B82-1182	BLDG 82	Finishes: Flooring Complete	20-Jun-18
B82-1310	BLDG 82	Completion: BMS System Complete for Balancing	04-Jul-18
B82-1350	BLDG 82	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B82-1232	BLDG 82	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B82-1360	BLDG 82	Completion: Start PunchList Work	18-Jul-18
B82-1390	BLDG 82	SWS: Cameras Set	18-Jul-18
B82-1400	BLDG 82	SWS: FACP Live	18-Jul-18
B82-1420	BLDG 82	SWS: Cameras Verified @ Main Control	25-Jul-18
B82-1430	BLDG 82	SWS: Door Control & Intercom Verified @ Main Control	25-Jul-18
B82-1450	BLDG 82	Completion: Life Safety Complete	08-Aug-18
B82-1460	BLDG 82	Completion: C of O	15-Aug-18
B82-1470	BLDG 82	Completion: DJJOY Acceptance for Occupancy	22-Aug-18
B82-1500	BLDG 82	Occupy: Secure Facility – 100% Lockdown	05-Sep-18
B90-1140	BLDG 90	Temp: Building Temp Enclosed	15-Nov-17
B90-1060	BLDG 90	Temp: Temp Power In Place	15-Nov-17
B90-1150	BLDG 90	Temp: Temp Heat Program In Place	22-Nov-17
B90-1240	BLDG 90	Structure: New CMU Partitions Complete	06-Feb-18
B90-1290	BLDG 90	Temp: Perm Power Available	14-Feb-18
B90-1330	BLDG 90	Finishes: Ceilings Complete	25-Apr-18



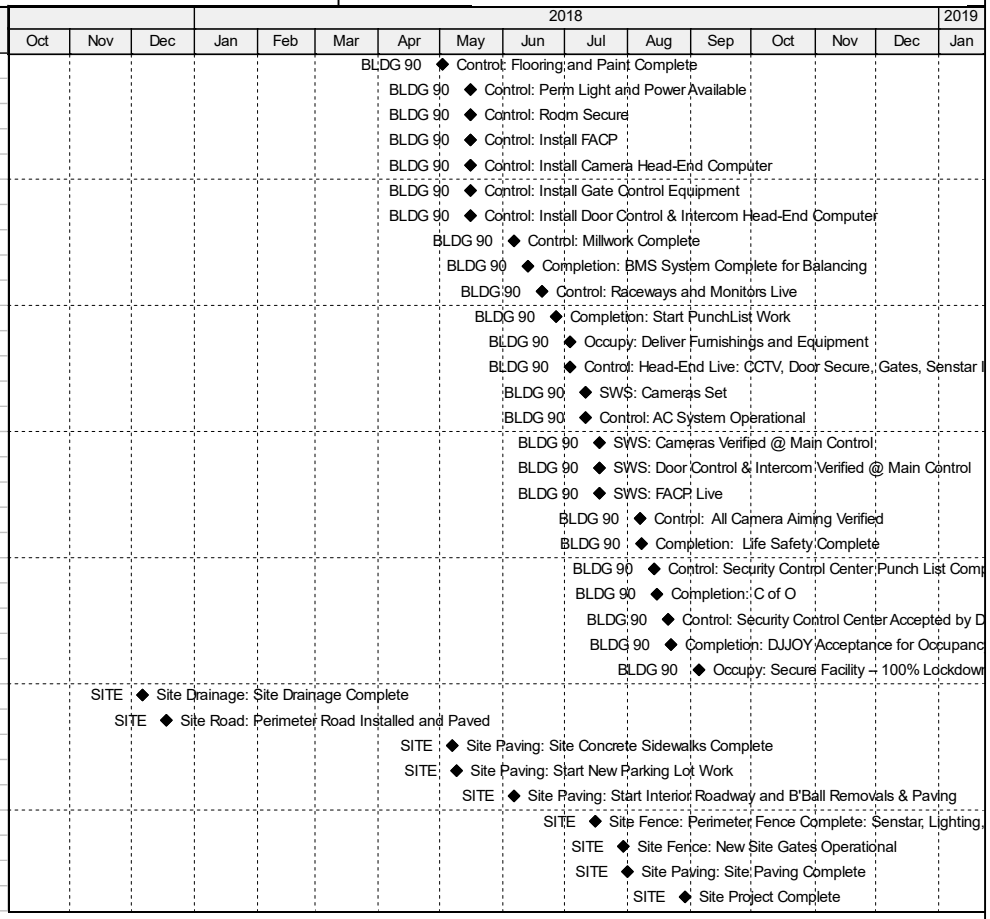
45679 Industry Secure Center
Provide Building Upgrades
Addendum No. 1
21-Sep-17

45679 - Industry Secure Center

Project Milestones

NEW YORK STATE OF OPPORTUNITY. Office of General Services

Activity ID	Phase/Area	Activity Name	Start
B90-1360	BLDG 90	Control: Flooring and Paint Complete	02-May-18
B90-1410	BLDG 90	Control: Perm Light and Power Available	16-May-18
B90-1420	BLDG 90	Control: Room Secure	16-May-18
B90-1430	BLDG 90	Control: Install FACP	16-May-18
B90-1440	BLDG 90	Control: Install Camera Head-End Computer	16-May-18
B90-1450	BLDG 90	Control: Install Gate Control Equipment	16-May-18
B90-1460	BLDG 90	Control: Install Door Control & Intercom Head-End Computer	16-May-18
B90-1500	BLDG 90	Control: Millwork Complete	06-Jun-18
B90-1520	BLDG 90	Completion: BMS System Complete for Balancing	13-Jun-18
B90-1550	BLDG 90	Control: Raceways and Monitors Live	20-Jun-18
B90-1560	BLDG 90	Completion: Start PunchList Work	27-Jun-18
B90-1640	BLDG 90	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B90-1580	BLDG 90	Control: Head-End Live: CCTV, Door Secure, Gates, Senstar Intercm	04-Jul-18
B90-1590	BLDG 90	SWS: Cameras Set	11-Jul-18
B90-1660	BLDG 90	Control: AC System Operational	11-Jul-18
B90-1610	BLDG 90	SWS: Cameras Verified @ Main Control	18-Jul-18
B90-1620	BLDG 90	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B90-1680	BLDG 90	SWS: FACP Live	18-Jul-18
B90-1720	BLDG 90	Control: All Camera Aiming Verified	07-Aug-18
B90-1690	BLDG 90	Completion: Life Safety Complete	08-Aug-18
B90-1740	BLDG 90	Control: Security Control Center Punch List Complete	14-Aug-18
B90-1700	BLDG 90	Completion: C of O	15-Aug-18
B90-1750	BLDG 90	Control: Security Control Center Accepted by DJJOY	21-Aug-18
B90-1730	BLDG 90	Completion: DJJOY Acceptance for Occupancy	22-Aug-18
B90-1770	BLDG 90	Occupy: Secure Facility – 100% Lockdown	05-Sep-18
S1170	SITE	Site Drainage: Site Drainage Complete	06-Dec-17
S1180	SITE	Site Road: Perimeter Road Installed and Paved	18-Dec-17
S1240	SITE	Site Paving: Site Concrete Sidewalks Complete	07-May-18*
S1260	SITE	Site Paving: Start New Parking Lot Work	09-May-18
S1280	SITE	Site Paving: Start Interior Roadway and B'Ball Removals & Paving	06-Jun-18
S1350	SITE	Site Fence: Perimeter Fence Complete: Senstar, Lighting, Razor Ribbon, Cameras	16-Jul-18
S1360	SITE	Site Fence: New Site Gates Operational	30-Jul-18
S1370	SITE	Site Paving: Site Paving Complete	01-Aug-18*
S1374	SITE	Site Project Complete	29-Aug-18

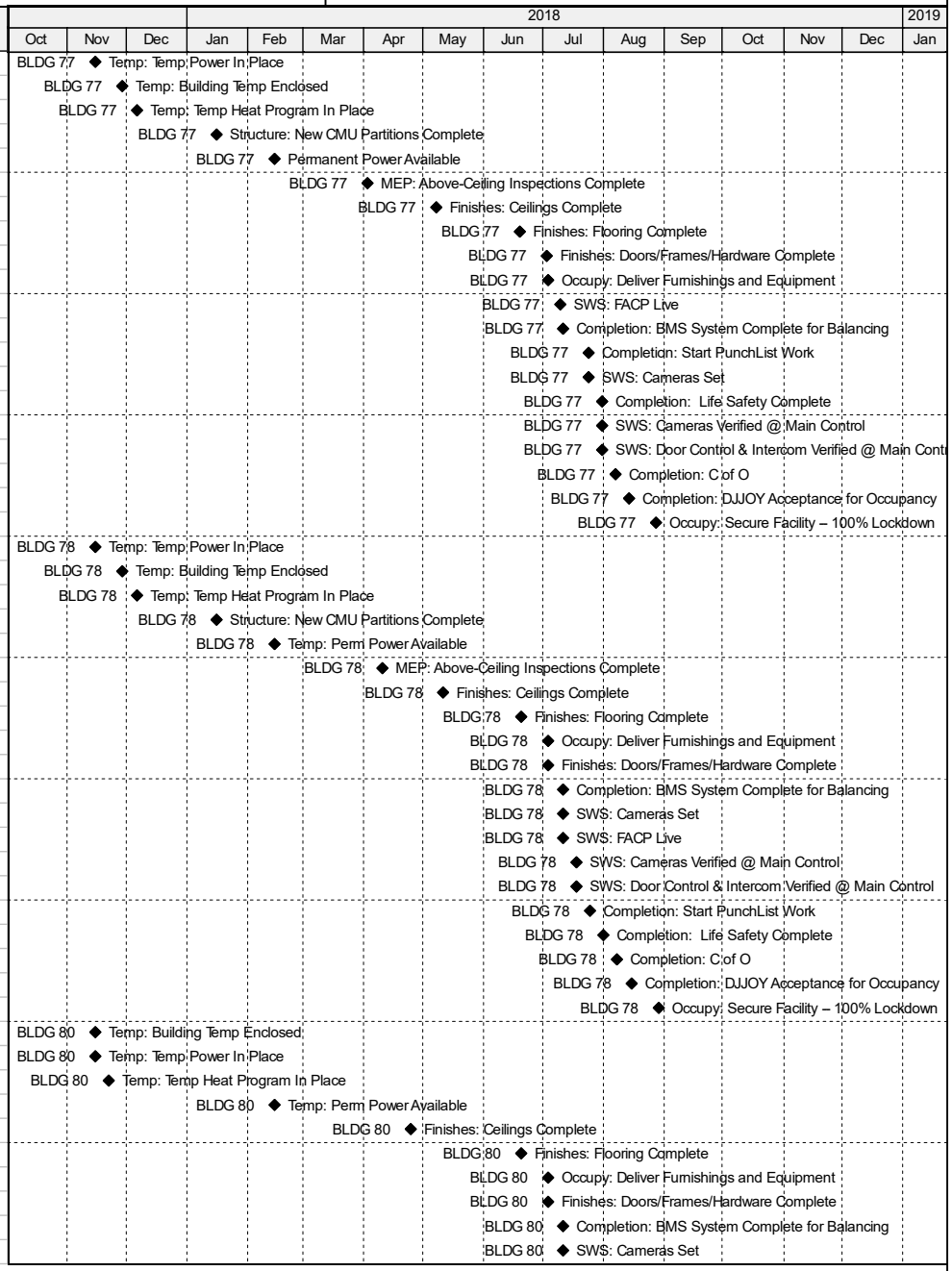


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Project Milestones

Activity ID	Phase/Area	Activity Name	Start
B77-1140	BLDG 77	Temp: Temp Power In Place	15-Nov-17
B77-1190	BLDG 77	Temp: Building Temp Enclosed	29-Nov-17
B77-1200	BLDG 77	Temp: Temp Heat Program In Place	06-Dec-17
B77-1250	BLDG 77	Structure: New CMU Partitions Complete	16-Jan-18
B77-1350	BLDG 77	Permanent Power Available	14-Feb-18
B77-1410	BLDG 77	MEP: Above-Ceiling Inspections Complete	03-Apr-18
B77-1460	BLDG 77	Finishes: Ceilings Complete	08-May-18
B77-1482	BLDG 77	Finishes: Flooring Complete	19-Jun-18
B77-1502	BLDG 77	Finishes: Doors/Frames/Hardware Complete	03-Jul-18
B77-1580	BLDG 77	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B77-1670	BLDG 77	SWS: FACP Live	10-Jul-18
B77-1600	BLDG 77	Completion: BMS System Complete for Balancing	11-Jul-18
B77-1630	BLDG 77	Completion: Start PunchList Work	24-Jul-18
B77-1660	BLDG 77	SWS: Cameras Set	24-Jul-18
B77-1720	BLDG 77	Completion: Life Safety Complete	31-Jul-18
B77-1690	BLDG 77	SWS: Cameras Verified @ Main Control	31-Jul-18
B77-1700	BLDG 77	SWS: Door Control & Intercom Verified @ Main Control	31-Jul-18
B77-1730	BLDG 77	Completion: C of O	07-Aug-18
B77-1750	BLDG 77	Completion: DJJOY Acceptance for Occupancy	14-Aug-18
B77-1760	BLDG 77	Occupy: Secure Facility – 100% Lockdown	28-Aug-18
B78-1130	BLDG 78	Temp: Temp Power In Place	15-Nov-17
B78-1190	BLDG 78	Temp: Building Temp Enclosed	29-Nov-17
B78-1200	BLDG 78	Temp: Temp Heat Program In Place	06-Dec-17
B78-1250	BLDG 78	Structure: New CMU Partitions Complete	16-Jan-18
B78-1350	BLDG 78	Temp: Perm Power Available	14-Feb-18
B78-1410	BLDG 78	MEP: Above-Ceiling Inspections Complete	10-Apr-18
B78-1460	BLDG 78	Finishes: Ceilings Complete	11-May-18
B78-1482	BLDG 78	Finishes: Flooring Complete	20-Jun-18
B78-1580	BLDG 78	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B78-1502	BLDG 78	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B78-1600	BLDG 78	Completion: BMS System Complete for Balancing	11-Jul-18
B78-1660	BLDG 78	SWS: Cameras Set	11-Jul-18
B78-1670	BLDG 78	SWS: FACP Live	11-Jul-18
B78-1690	BLDG 78	SWS: Cameras Verified @ Main Control	18-Jul-18
B78-1700	BLDG 78	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B78-1630	BLDG 78	Completion: Start PunchList Work	25-Jul-18
B78-1720	BLDG 78	Completion: Life Safety Complete	01-Aug-18
B78-1730	BLDG 78	Completion: C of O	08-Aug-18
B78-1750	BLDG 78	Completion: DJJOY Acceptance for Occupancy	15-Aug-18
B78-1760	BLDG 78	Occupy: Secure Facility – 100% Lockdown	29-Aug-18
B80-1060	BLDG 80	Temp: Building Temp Enclosed	15-Nov-17
B80-1070	BLDG 80	Temp: Temp Power In Place	15-Nov-17
B80-1080	BLDG 80	Temp: Temp Heat Program In Place	22-Nov-17
B80-1130	BLDG 80	Temp: Perm Power Available	14-Feb-18
B80-1170	BLDG 80	Finishes: Ceilings Complete	25-Apr-18
B80-1182	BLDG 80	Finishes: Flooring Complete	20-Jun-18
B80-1350	BLDG 80	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B80-1202	BLDG 80	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B80-1310	BLDG 80	Completion: BMS System Complete for Balancing	11-Jul-18
B80-1390	BLDG 80	SWS: Cameras Set	11-Jul-18



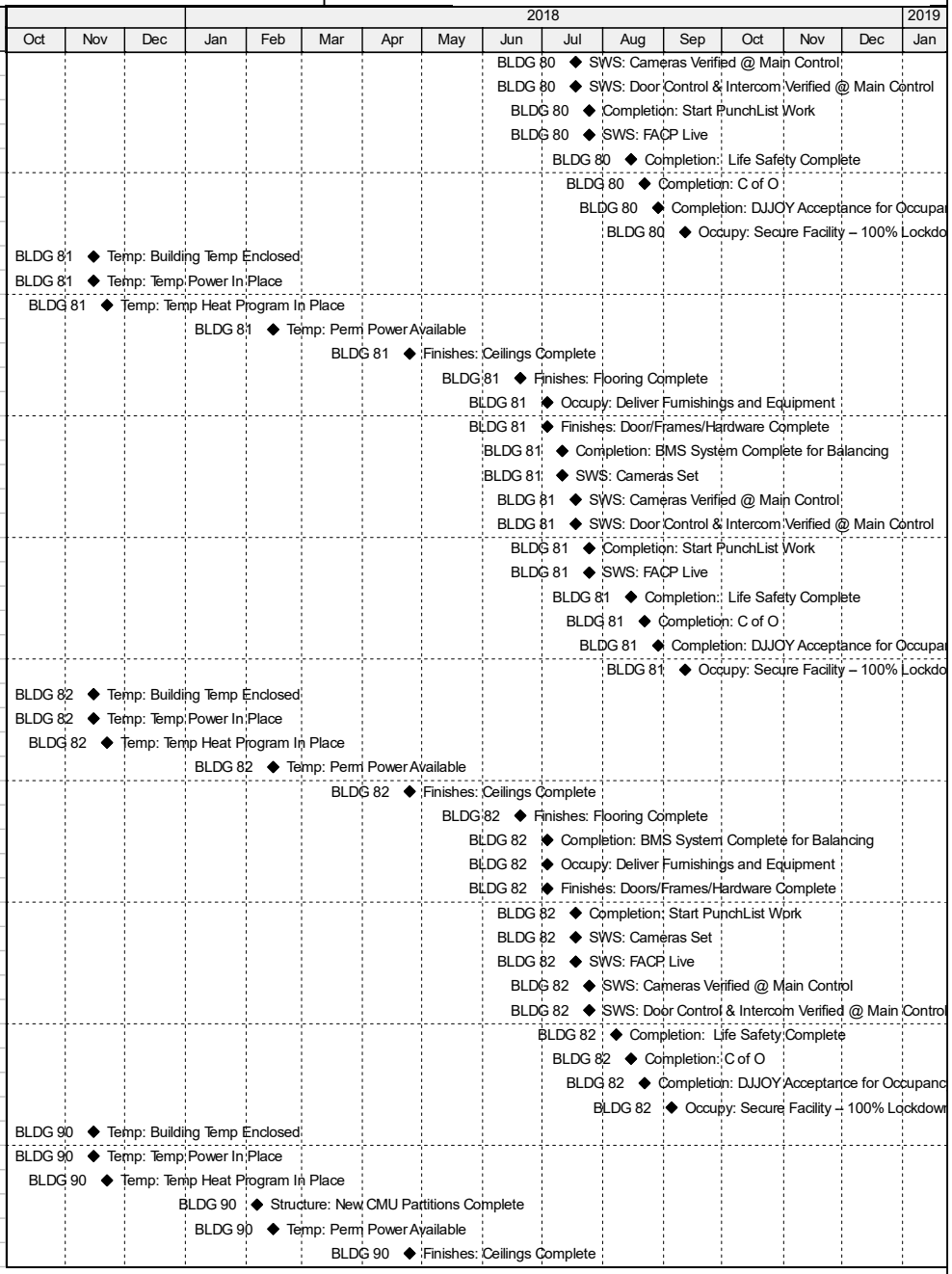
45679 Industry Secure Center
Provide Building Upgrades
Addendum No. 1
21-Sep-17

45679 - Industry Secure Center

Project Milestones

NEW YORK STATE OF OPPORTUNITY. Office of General Services

Activity ID	Phase/Area	Activity Name	Start
B80-1420	BLDG 80	SWS: Cameras Verified @ Main Control	18-Jul-18
B80-1430	BLDG 80	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B80-1360	BLDG 80	Completion: Start PunchList Work	25-Jul-18
B80-1400	BLDG 80	SWS: FACP Live	25-Jul-18
B80-1450	BLDG 80	Completion: Life Safety Complete	15-Aug-18
B80-1460	BLDG 80	Completion: C of O	22-Aug-18
B80-1470	BLDG 80	Completion: DJJOY Acceptance for Occupancy	29-Aug-18
B80-1500	BLDG 80	Occupy: Secure Facility – 100% Lockdown	12-Sep-18
B81-1060	BLDG 81	Temp: Building Temp Enclosed	15-Nov-17
B81-1010	BLDG 81	Temp: Temp Power In Place	15-Nov-17
B81-1070	BLDG 81	Temp: Temp Heat Program In Place	22-Nov-17
B81-1130	BLDG 81	Temp: Perm Power Available	14-Feb-18
B81-1170	BLDG 81	Finishes: Ceilings Complete	25-Apr-18
B81-1182	BLDG 81	Finishes: Flooring Complete	20-Jun-18
B81-1350	BLDG 81	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B81-1202	BLDG 81	Finishes: Door/Frames/Hardware Complete	04-Jul-18
B81-1310	BLDG 81	Completion: BMS System Complete for Balancing	11-Jul-18
B81-1390	BLDG 81	SWS: Cameras Set	11-Jul-18
B81-1420	BLDG 81	SWS: Cameras Verified @ Main Control	18-Jul-18
B81-1430	BLDG 81	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B81-1360	BLDG 81	Completion: Start PunchList Work	25-Jul-18
B81-1400	BLDG 81	SWS: FACP Live	25-Jul-18
B81-1450	BLDG 81	Completion: Life Safety Complete	15-Aug-18
B81-1460	BLDG 81	Completion: C of O	22-Aug-18
B81-1470	BLDG 81	Completion: DJJOY Acceptance for Occupancy	29-Aug-18
B81-1500	BLDG 81	Occupy: Secure Facility – 100% Lockdown	12-Sep-18
B82-1060	BLDG 82	Temp: Building Temp Enclosed	15-Nov-17
B82-1000	BLDG 82	Temp: Temp Power In Place	15-Nov-17
B82-1070	BLDG 82	Temp: Temp Heat Program In Place	22-Nov-17
B82-1130	BLDG 82	Temp: Perm Power Available	14-Feb-18
B82-1170	BLDG 82	Finishes: Ceilings Complete	25-Apr-18
B82-1182	BLDG 82	Finishes: Flooring Complete	20-Jun-18
B82-1310	BLDG 82	Completion: BMS System Complete for Balancing	04-Jul-18
B82-1350	BLDG 82	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B82-1232	BLDG 82	Finishes: Doors/Frames/Hardware Complete	04-Jul-18
B82-1360	BLDG 82	Completion: Start PunchList Work	18-Jul-18
B82-1390	BLDG 82	SWS: Cameras Set	18-Jul-18
B82-1400	BLDG 82	SWS: FACP Live	18-Jul-18
B82-1420	BLDG 82	SWS: Cameras Verified @ Main Control	25-Jul-18
B82-1430	BLDG 82	SWS: Door Control & Intercom Verified @ Main Control	25-Jul-18
B82-1450	BLDG 82	Completion: Life Safety Complete	08-Aug-18
B82-1460	BLDG 82	Completion: C of O	15-Aug-18
B82-1470	BLDG 82	Completion: DJJOY Acceptance for Occupancy	22-Aug-18
B82-1500	BLDG 82	Occupy: Secure Facility – 100% Lockdown	05-Sep-18
B90-1140	BLDG 90	Temp: Building Temp Enclosed	15-Nov-17
B90-1060	BLDG 90	Temp: Temp Power In Place	15-Nov-17
B90-1150	BLDG 90	Temp: Temp Heat Program In Place	22-Nov-17
B90-1240	BLDG 90	Structure: New CMU Partitions Complete	06-Feb-18
B90-1290	BLDG 90	Temp: Perm Power Available	14-Feb-18
B90-1330	BLDG 90	Finishes: Ceilings Complete	25-Apr-18



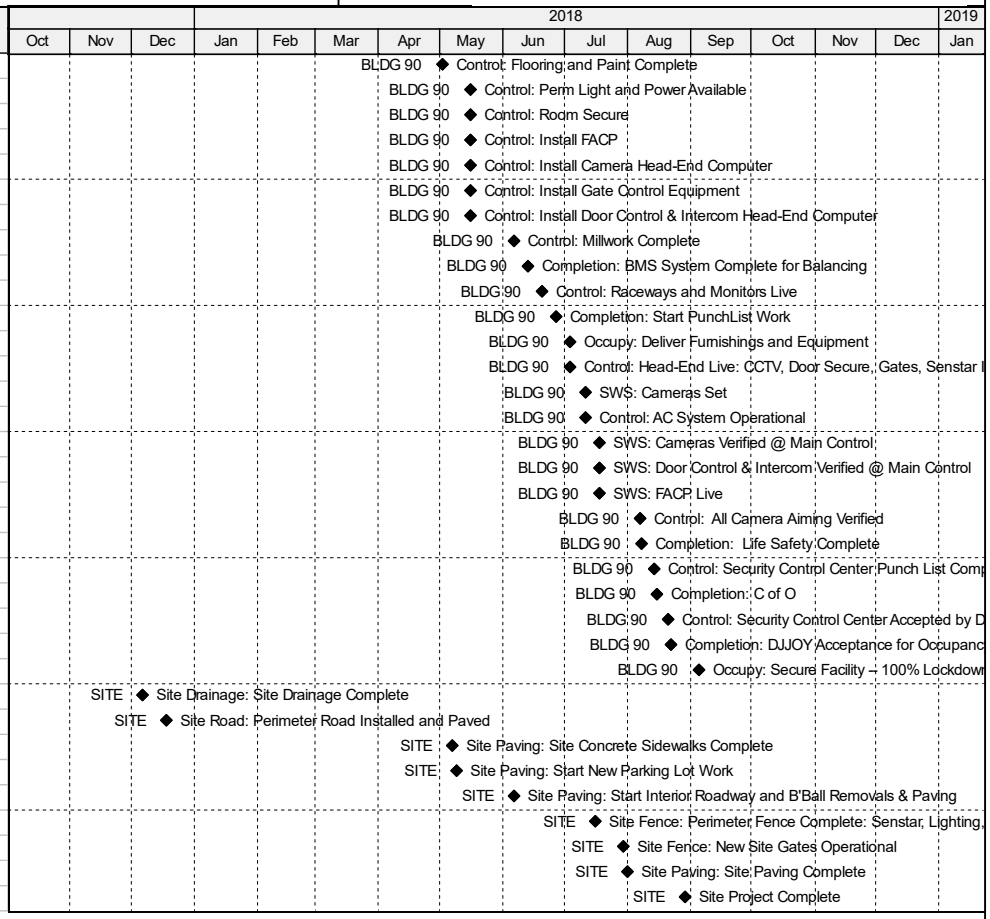
45679 Industry Secure Center
Provide Building Upgrades
Addendum No. 1
21-Sep-17

45679 - Industry Secure Center

Project Milestones

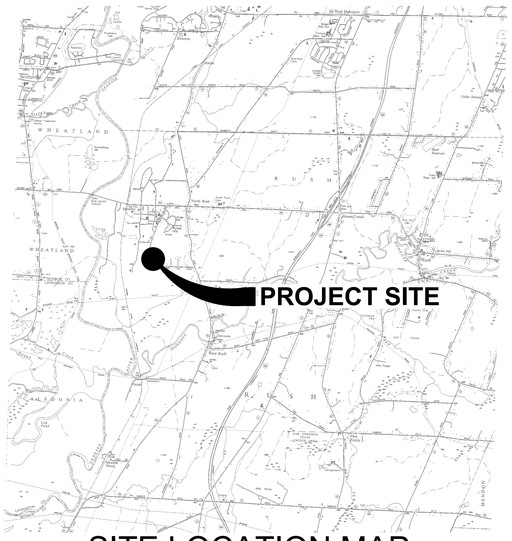
NEW YORK STATE OF OPPORTUNITY. Office of General Services

Activity ID	Phase/Area	Activity Name	Start
B90-1360	BLDG 90	Control: Flooring and Paint Complete	02-May-18
B90-1410	BLDG 90	Control: Perm Light and Power Available	16-May-18
B90-1420	BLDG 90	Control: Room Secure	16-May-18
B90-1430	BLDG 90	Control: Install FACP	16-May-18
B90-1440	BLDG 90	Control: Install Camera Head-End Computer	16-May-18
B90-1450	BLDG 90	Control: Install Gate Control Equipment	16-May-18
B90-1460	BLDG 90	Control: Install Door Control & Intercom Head-End Computer	16-May-18
B90-1500	BLDG 90	Control: Millwork Complete	06-Jun-18
B90-1520	BLDG 90	Completion: BMS System Complete for Balancing	13-Jun-18
B90-1550	BLDG 90	Control: Raceways and Monitors Live	20-Jun-18
B90-1560	BLDG 90	Completion: Start PunchList Work	27-Jun-18
B90-1640	BLDG 90	Occupy: Deliver Furnishings and Equipment	04-Jul-18
B90-1580	BLDG 90	Control: Head-End Live: CCTV, Door Secure, Gates, Senstar Intercm	04-Jul-18
B90-1590	BLDG 90	SWS: Cameras Set	11-Jul-18
B90-1660	BLDG 90	Control: AC System Operational	11-Jul-18
B90-1610	BLDG 90	SWS: Cameras Verified @ Main Control	18-Jul-18
B90-1620	BLDG 90	SWS: Door Control & Intercom Verified @ Main Control	18-Jul-18
B90-1680	BLDG 90	SWS: FACP Live	18-Jul-18
B90-1720	BLDG 90	Control: All Camera Aiming Verified	07-Aug-18
B90-1690	BLDG 90	Completion: Life Safety Complete	08-Aug-18
B90-1740	BLDG 90	Control: Security Control Center Punch List Complete	14-Aug-18
B90-1700	BLDG 90	Completion: C of O	15-Aug-18
B90-1750	BLDG 90	Control: Security Control Center Accepted by DJJOY	21-Aug-18
B90-1730	BLDG 90	Completion: DJJOY Acceptance for Occupancy	22-Aug-18
B90-1770	BLDG 90	Occupy: Secure Facility – 100% Lockdown	05-Sep-18
S1170	SITE	Site Drainage: Site Drainage Complete	06-Dec-17
S1180	SITE	Site Road: Perimeter Road Installed and Paved	18-Dec-17
S1240	SITE	Site Paving: Site Concrete Sidewalks Complete	07-May-18*
S1260	SITE	Site Paving: Start New Parking Lot Work	09-May-18
S1280	SITE	Site Paving: Start Interior Roadway and B'Ball Removals & Paving	06-Jun-18
S1350	SITE	Site Fence: Perimeter Fence Complete: Senstar, Lighting, Razor Ribbon, Cameras	16-Jul-18
S1360	SITE	Site Fence: New Site Gates Operational	30-Jul-18
S1370	SITE	Site Paving: Site Paving Complete	01-Aug-18*
S1374	SITE	Site Project Complete	29-Aug-18



PROVIDE BUILDING UPGRADES

INDUSTRY SECURE CENTER
101 RYDER HILL ROAD
RUSH, NEW YORK 14543
O.G.S. PROJECT NO. 45679 - C, H, P, E



SITE LOCATION MAP

NEW YORK STATE OF OPPORTUNITY. | Office of Children & Family Services

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

DRAWING LIST

GENERAL
- G - 0 000 COVER SHEET
- G - 0 001 DRAWING LIST CONTINUED
- G - 0 002 UTILITY COORDINATION PLAN

CONSTRUCTION - CONTRACT NO. 45679 - C

CIVIL DRAWINGS
- C - 0 001 KEY PLAN, GENERAL NOTES AND LEGENDS
- C - 0 002 STAGING, STORAGE AND LOGISTICS PLAN
- C - 0 100 EXISTING CONDITIONS PLAN AREA A
- C - 0 101 EXISTING CONDITIONS PLAN AREA B
- C - 0 102 EXISTING CONDITIONS PLAN AREA C
- C - 0 110 REMOVALS PLAN AREA A
- C - 0 111 REMOVALS PLAN AREA B
- C - 0 112 REMOVALS PLAN AREA C
- C - 0 120 LAYOUT PLAN AREA A
- C - 0 121 LAYOUT PLAN AREA B
- C - 0 122 LAYOUT PLAN AREA C
- C - 0 130 UTILITY PLAN AREA A
- C - 0 131 UTILITY PLAN AREA B
- C - 0 132 UTILITY PLAN AREA C
- C - 0 140 GRADING PLAN AREA A
- C - 0 141 GRADING PLAN AREA B
- C - 0 142 GRADING PLAN AREA C
- C - 0 150 EROSION AND SEDIMENT CONTROL PLAN AREA A
- C - 0 151 EROSION AND SEDIMENT CONTROL PLAN AREA B
- C - 0 152 EROSION AND SEDIMENT CONTROL PLAN AREA C
- C - 0 500 TYPICAL SITE DETAILS
- C - 0 501 TYPICAL SITE DETAILS
- C - 0 502 TYPICAL SITE DETAILS
- C - 0 503 EROSION AND SEDIMENT CONTROL DETAILS
- C - 0 504 SECURITY FENCE DETAILS
- C - 0 505 SECURITY FENCE DETAILS
- C - 0 507 BIORETENTION ENLARGEMENT PLAN 1

STRUCTURAL DRAWINGS

BUILDING 77
- S - 1 104 ROOF FRAMING

BUILDING 78
- S - 2 104 ROOF FRAMING

COMMON DETAILS
- S - 7 001 COMMON STRUCTURAL DETAILS

ARCHITECTURAL DRAWINGS

BUILDING 77
- A - 1 001 TYPICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
- A - 1 003 CODE COMPLIANCE
- A - 1 005 CODE COMPLIANCE
- A - 1 101 REMOVAL PLAN
- A - 1 103 FLOOR PLAN
- A - 1 104 REFLECTED CEILING PLAN
- A - 1 106 ROOF PLAN
- A - 1 201 REMOVAL ELEVATIONS
- A - 1 202 EXTERIOR ELEVATIONS
- A - 1 301 WALL SECTION
- A - 1 303 EXTERIOR DETAILS
- A - 1 304 EXTERIOR DETAILS
- A - 1 401 ENLARGED FLOOR PLANS, INT. ELEV.
- A - 1 402 ENLARGED FLOOR PLANS, INT. ELEV.
- A - 1 501 INTERIOR DETAILS
- A - 1 502 TYPICAL DETAILS
- A - 1 600 INTERIOR PARTITION TYPES
- A - 1 601 DOOR SCHEDULE, FRAMES, AND TYPES
- A - 1 602 DOOR DETAILS
- A - 1 604 FINISH SCHEDULE AND LEGEND
- A - 1 605 FLOOR FINISH PLAN
- A - 1 606 MILLWORK DETAILS

BUILDING 78
- A - 2 001 TYPICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
- A - 2 003 CODE COMPLIANCE
- A - 2 005 CODE COMPLIANCE
- A - 2 101 REMOVAL PLAN
- A - 2 103 FLOOR PLAN
- A - 2 104 REFLECTED CEILING PLAN
- A - 2 106 ROOF PLAN
- A - 2 201 REMOVAL ELEVATIONS
- A - 2 202 EXTERIOR ELEVATIONS
- A - 2 301 WALL SECTION
- A - 2 303 EXTERIOR DETAILS
- A - 2 304 EXTERIOR DETAILS
- A - 2 401 ENLARGED FLOOR PLANS, INT. ELEV.
- A - 2 402 ENLARGED FLOOR PLANS, INT. ELEV.
- A - 2 501 INTERIOR DETAILS
- A - 2 502 TYPICAL DETAILS
- A - 2 600 INTERIOR PARTITION TYPES
- A - 2 601 DOOR SCHEDULE, FRAMES, AND TYPES
- A - 2 602 DOOR DETAILS
- A - 2 604 FINISH SCHEDULE AND LEGEND
- A - 2 605 FLOOR FINISH PLAN
- A - 2 606 MILLWORK DETAILS

BUILDING 80
- A - 3 001 ARCHITECTURAL LEGENDS, SYMBOLS, ABBREVIATIONS, AND NOTES
- A - 3 002 CODE COMPLIANCE PLAN
- A - 3 101 REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN
- A - 3 601 DOOR SCHEDULE AND TYPES, WINDOW TYPE
- A - 3 605 FINISH SCHEDULE AND DETAILS

BUILDING 81
- A - 4 001 ARCHITECTURAL LEGENDS, SYMBOLS, ABBREVIATIONS, AND NOTES
- A - 4 002 CODE COMPLIANCE PLAN
- A - 4 101 REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN
- A - 4 103 DETAILS
- A - 4 601 DOOR SCHEDULE AND TYPES, WINDOW TYPE
- A - 4 605 FINISH SCHEDULE AND DETAILS

BUILDING 82
- A - 5 001 ARCHITECTURAL LEGENDS, SYMBOLS, ABBREVIATIONS, AND NOTES
- A - 5 002 CODE COMPLIANCE PLAN
- A - 5 101 REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN
- A - 5 103 DETAILS
- A - 5 601 DOOR SCHEDULE AND TYPES, WINDOW TYPE
- A - 5 605 FINISH SCHEDULE AND DETAILS

BUILDING 90
- A - 6 001 TYPICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
- A - 6 003 LEVEL 1 CODE COMPLIANCE
- A - 6 004 CODE COMPLIANCE
- A - 6 101 LEVEL 1 REMOVAL FLOOR PLAN - WEST
- A - 6 102 LEVEL 1 REMOVAL FLOOR PLAN - EAST
- A - 6 103 ROOF REMOVAL PLAN - WEST
- A - 6 104 ROOF REMOVAL PLAN - EAST
- A - 6 105 LEVEL 1 FLOOR PLAN - WEST
- A - 6 106 LEVEL 1 FLOOR PLAN - EAST
- A - 6 107 LEVEL 1 REFLECTED CEILING PLAN - WEST
- A - 6 108 LEVEL 1 REFLECTED CEILING PLAN - EAST
- A - 6 109 ROOF PLAN - WEST
- A - 6 110 ROOF PLAN - EAST
- A - 6 201 BUILDING ELEVATIONS
- A - 6 202 BUILDING ELEVATIONS
- A - 6 401 ENLARGED PLANS AND INTERIOR ELEVATIONS
- A - 6 410 EXTERIOR DETAILS
- A - 6 411 EXTERIOR DOOR TYPES, FRAME, AND DETAILS
- A - 6 501 INTERIOR DETAILS
- A - 6 502 TYPICAL DETAILS
- A - 6 600 INTERIOR PARTITION TYPES
- A - 6 601 DOOR SCHEDULE
- A - 6 602 DOOR DETAILS
- A - 6 605 FINISH SCHEDULE, LEGEND AND DETAILS
- A - 6 606 FLOOR FINISH PLAN
- A - 6 610 WINDOW DETAILS
- A - 6 611 WINDOW DETAILS

HVAC - CONTRACT NO. 45679 - H

MECHANICAL DRAWINGS

BUILDING 77
- M - 1 001 HVAC LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES
- M - 1 002 HVAC LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES
- M - 1 101 HVAC REMOVAL PLAN
- M - 1 102 HVAC DUCTWORK FLOOR PLAN
- M - 1 103 HVAC PIPING FLOOR PLAN
- M - 1 104 HVAC ROOF PLAN
- M - 1 401 HVAC ENLARGED PLAN [MECHANICAL ROOM]
- M - 1 501 HVAC DETAILS
- M - 1 502 HVAC DETAILS
- M - 1 601 HVAC SCHEDULES
- M - 1 701 HVAC SCHEMATICS

BUILDING 78
- M - 2 001 HVAC LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES
- M - 2 002 HVAC LEGEND, SYMBOLS, ABBREVIATIONS, AND NOTES
- M - 2 101 HVAC REMOVAL PLAN
- M - 2 102 HVAC DUCTWORK FLOOR PLAN
- M - 2 103 HVAC PIPING FLOOR PLAN
- M - 2 104 HVAC ROOF PLAN
- M - 2 401 HVAC ENLARGED PLAN [MECHANICAL ROOM]
- M - 2 501 HVAC DETAILS
- M - 2 502 HVAC DETAILS
- M - 2 601 HVAC SCHEDULES
- M - 2 701 HVAC SCHEMATICS

BUILDING 80
- M - 3 001 SYMBOLS LEGEND
- M - 3 101 MECHANICAL REMOVAL PLAN
- M - 3 102 DUCTWORK PLAN
- M - 3 201 PIPING PLAN
- M - 3 601 DETAILS
- M - 3 701 SCHEDULES

BUILDING 81
- M - 4 001 SYMBOLS LEGEND
- M - 4 101 MECHANICAL REMOVAL PLAN
- M - 4 102 DUCTWORK PLAN
- M - 4 201 PIPING PLAN
- M - 4 601 DETAILS
- M - 4 701 SCHEDULES

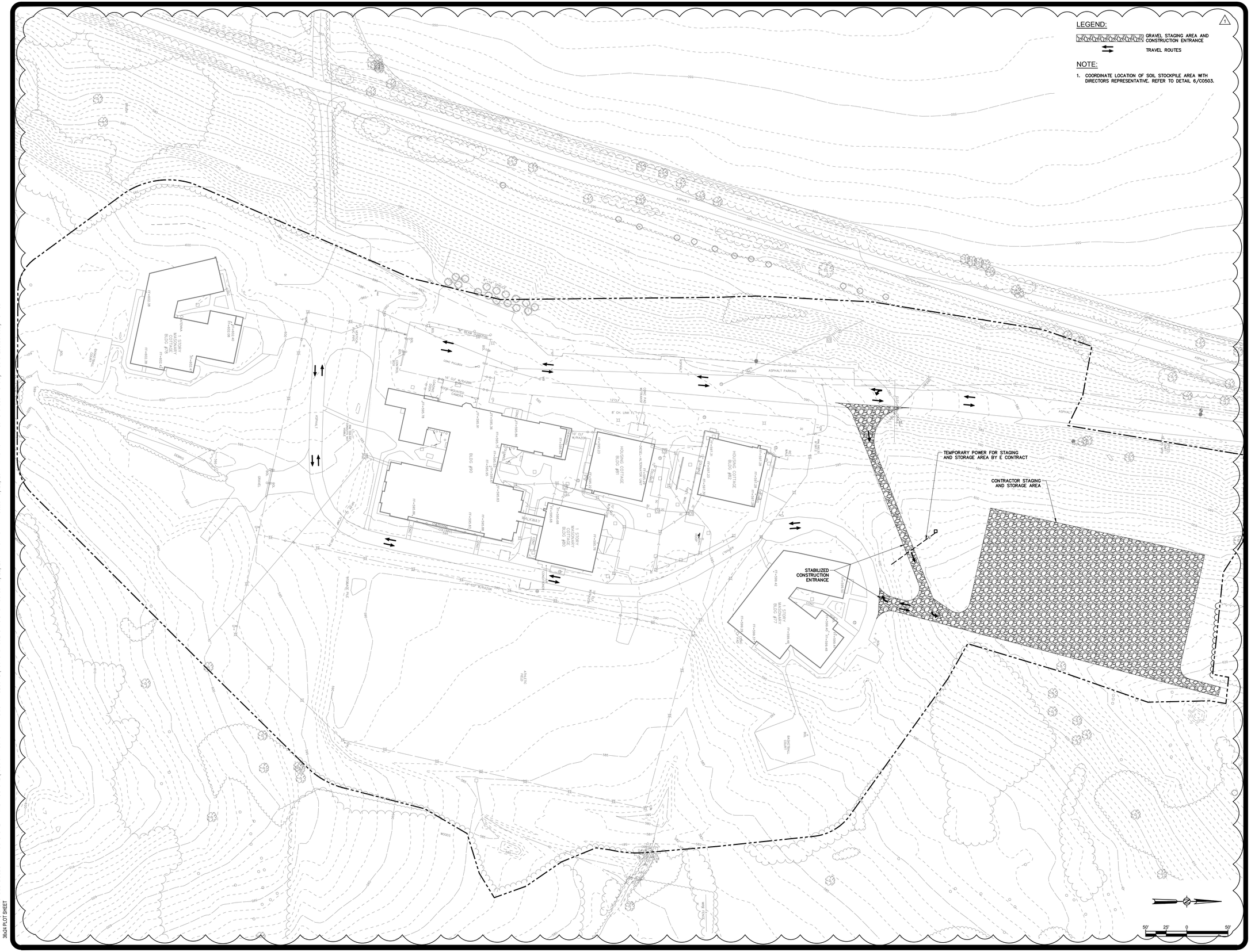
BUILDING 82
- M - 5 001 SYMBOLS LEGEND
- M - 5 101 MECHANICAL REMOVAL PLAN
- M - 5 102 DUCTWORK PLAN
- M - 5 201 PIPING PLAN
- M - 5 601 DETAILS
- M - 5 701 SCHEDULES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1

DRAWING NUMBER: G–0000

SHEET OF

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36x24 PLOT SHEET



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CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

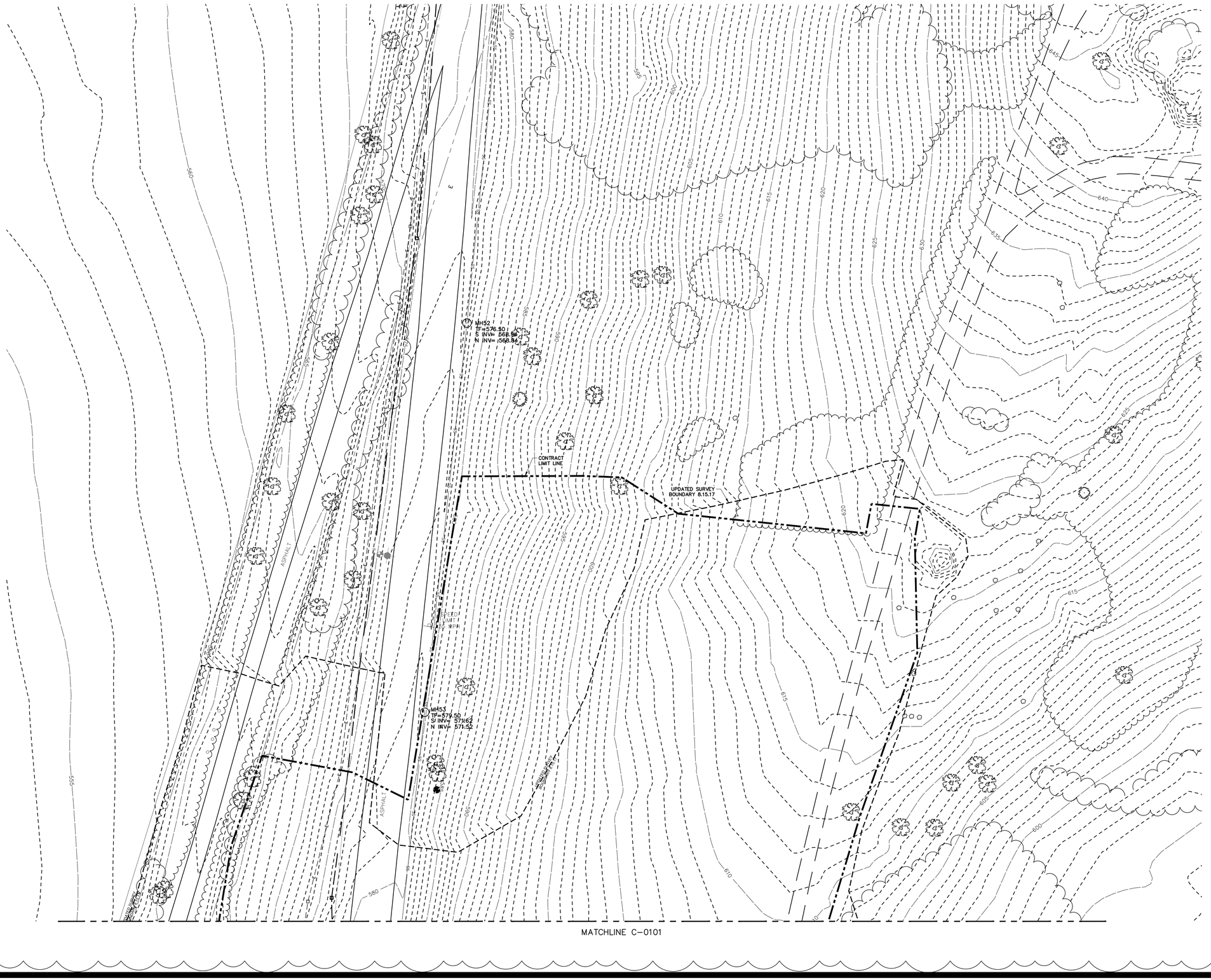
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STAGING, STORAGE AND LOGISTICS PLAN

DRAWING NUMBER:
C–0002

SHEET OF

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS PLAN AREA A

DRAWING NUMBER:
C-0100

SHEET OF



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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS PLAN AREA B

DRAWING NUMBER:
C-0101

SHEET OF

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EXISTING CONDITIONS PLAN AREA C

DRAWING NUMBER:
C-0102

SHEET OF



LEGEND:

- FULL DEPTH ASPHALT REMOVAL
- CONCRETE SIDEWALK REMOVAL
- SUBBASE REMOVAL
- GRAVEL DRIVEWAY REMOVAL
- ASPHALT RUBBLE REMOVAL
- MISCELLANEOUS LINEAR REMOVAL
- MISCELLANEOUS OBJECT REMOVAL

REMOVAL KEY NOTES:

1. REMOVE ASPHALT ROADWAY. ASSUME 5" OF ASPHALT AND 12" OF SUBBASE. SAWCUT IN STRAIGHT LINES FOR PAVEMENT TO REMAIN.
2. REMOVE ASPHALT SIDEWALK. ASSUME 3" OF ASPHALT AND 12" OF SUBBASE. SAWCUT IN STRAIGHT LINES FOR PAVEMENT TO REMAIN.
3. REMOVE CONCRETE SIDEWALK. ASSUME 4" OF REINFORCED CONCRETE AND 12" OF SUBBASE. REMOVE TO NEAREST JOINT.
4. REMOVE 12" OF SUBBASE.
5. REMOVE EXISTING 30" COIL ON SOUTH SIDE OF FENCE.
6. REMOVE STONE FROM DIVOTS IN SPLASH PADS.
7. LIGHT POLE, FIXTURE AND POLE BASE REMOVALS BY E-CONTRACT.
8. ELECTRICAL CONDUIT REMOVALS BY E-CONTRACT.
9. REMOVE 12" CIPP STORM LINE.
10. REMOVE 12" CMP STORM LINE.
11. REMOVE DRAINAGE STRUCTURE.
12. REMOVE GRAVEL ROAD. ASSUME DEPTH OF 12".
13. CONDENSING UNIT AND CONCRETE PAD REMOVAL BY H CONTRACT.
14. REMOVE GENERATOR PAD. GENERATOR SHALL BE REMOVED UNDER THE E CONTRACT.
15. REMOVE GRAVEL ROAD AND PAVEMENT RUBBLE.

NOTES:

1. CONFIRM WITH E CONTRACTOR THAT AREA IS DE-ENERGIZED PRIOR TO REMOVALS IMPACTING ELECTRICAL EQUIPMENT.

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

WARNING:

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER: 45679 - C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
REMOVALS PLAN
AREA A

DRAWING NUMBER:
C-0110

SHEET OF

File: F:\MJ\350 OGS DOS\5544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-110-113 REM.DWG Saved: 9/22/2017 4:06:12 PM Plotted: 9/22/2017 4:47:52 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

MATCHLINE C-0110

LEGEND:

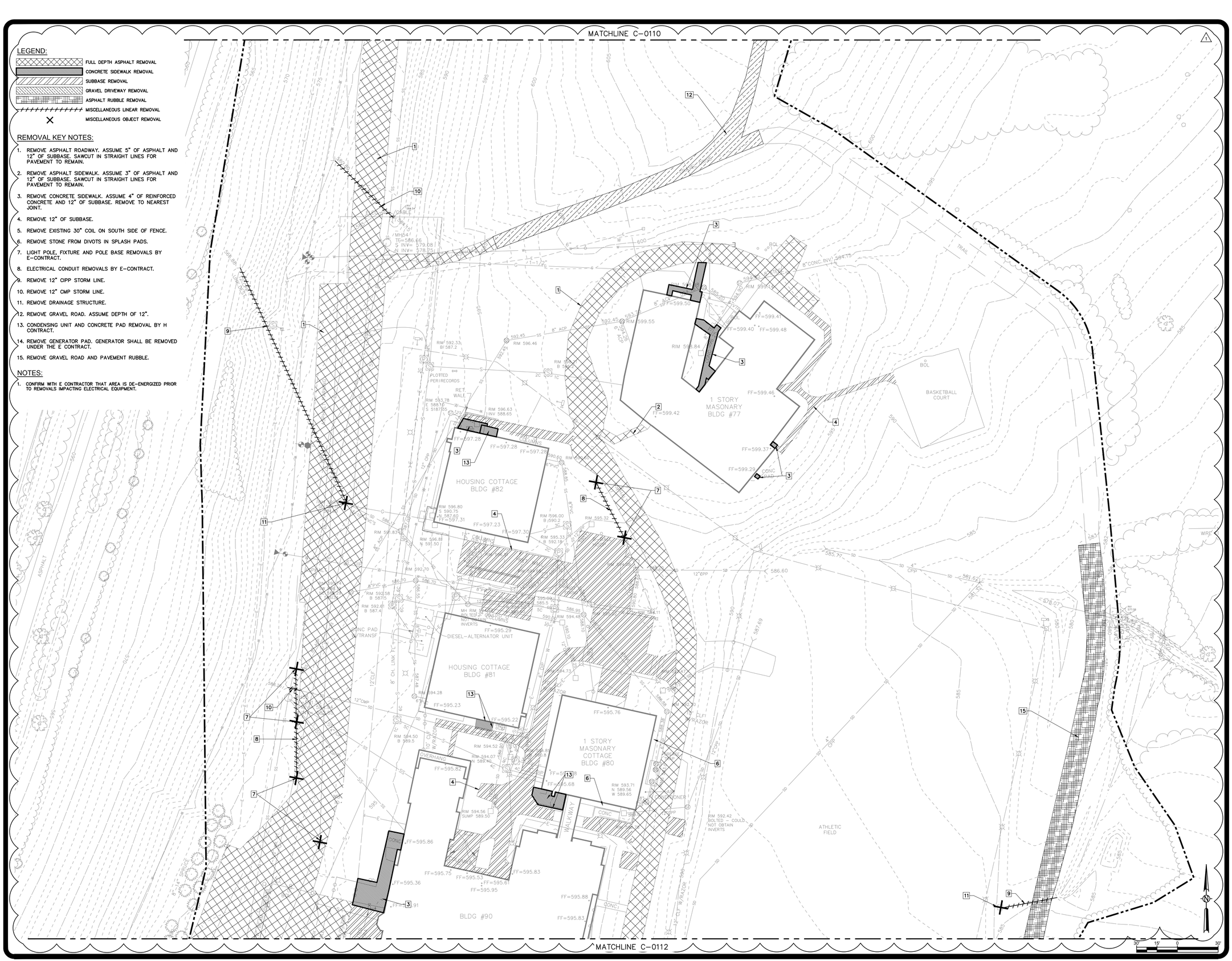
- FULL DEPTH ASPHALT REMOVAL
- CONCRETE SIDEWALK REMOVAL
- SUBBASE REMOVAL
- GRAVEL DRIVEWAY REMOVAL
- ASPHALT RUBBLE REMOVAL
- MISCELLANEOUS LINEAR REMOVAL
- MISCELLANEOUS OBJECT REMOVAL

REMOVAL KEY NOTES:

1. REMOVE ASPHALT ROADWAY. ASSUME 5" OF ASPHALT AND 12" OF SUBBASE. SAWCUT IN STRAIGHT LINES FOR PAVEMENT TO REMAIN.
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15. REMOVE GRAVEL ROAD AND PAVEMENT RUBBLE.

NOTES:

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36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

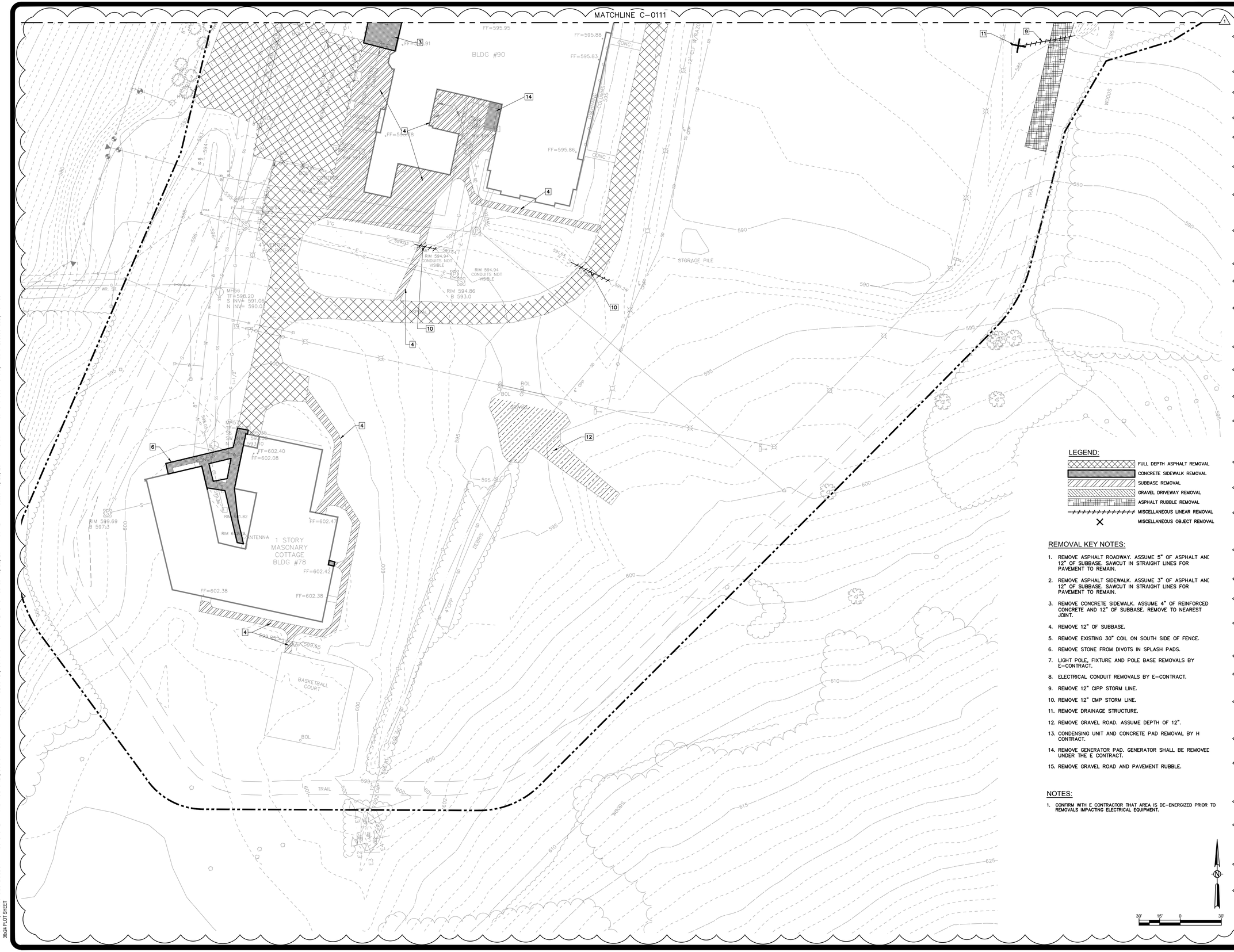
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
REMOVALS PLAN
AREA B

DRAWING NUMBER:
C-0111

SHEET OF



LEGEND:

- FULL DEPTH ASPHALT REMOVAL
- CONCRETE SIDEWALK REMOVAL
- SUBBASE REMOVAL
- GRAVEL DRIVEWAY REMOVAL
- ASPHALT RUBBLE REMOVAL
- MISCELLANEOUS LINEAR REMOVAL
- MISCELLANEOUS OBJECT REMOVAL

REMOVAL KEY NOTES:

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NOTES:

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30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

REMOVALS PLAN
AREA C

DRAWING NUMBER:

C-0112

SHEET OF

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36x24 PLOT SHEET

POINT COORDINATE SCHEDULE		
POINT #	NORTHING	EASTING
1	1,092,411.49	732,576.66
2	1,092,408.44	732,587.89
3	1,092,373.96	732,566.68
4	1,092,362.85	732,548.92
5	1,092,392.09	732,415.92
11	1,092,176.19	732,224.23
12	1,092,173.14	732,250.03

LEGEND:

- ASPHALT ROADWAY
- ASPHALT SIDEWALK
- ASPHALT PARKING
- PERIMETER PATROL ROAD
- PERIMETER PATROL ROAD REQUIRING STRUCTURAL FILL
- ASPHALT RECREATIONAL COURT
- CONCRETE SIDEWALK
- GRAVEL OVERFLOW PARKING
- ZONE FENCE
- PERIMETER FENCE
- EXIST. FENCE MODIFICATION

ASPHALT

SPEED LIMIT 35 MPH

5 / C-0500 GRAVEL OVERFLOW PARKING TO BE USED AS CONTRACTOR STAGING AND STORAGE AREA

R15'-0"

MATCHLINE C-0121

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
LAYOUT PLAN
AREA A

DRAWING NUMBER:
C-0120

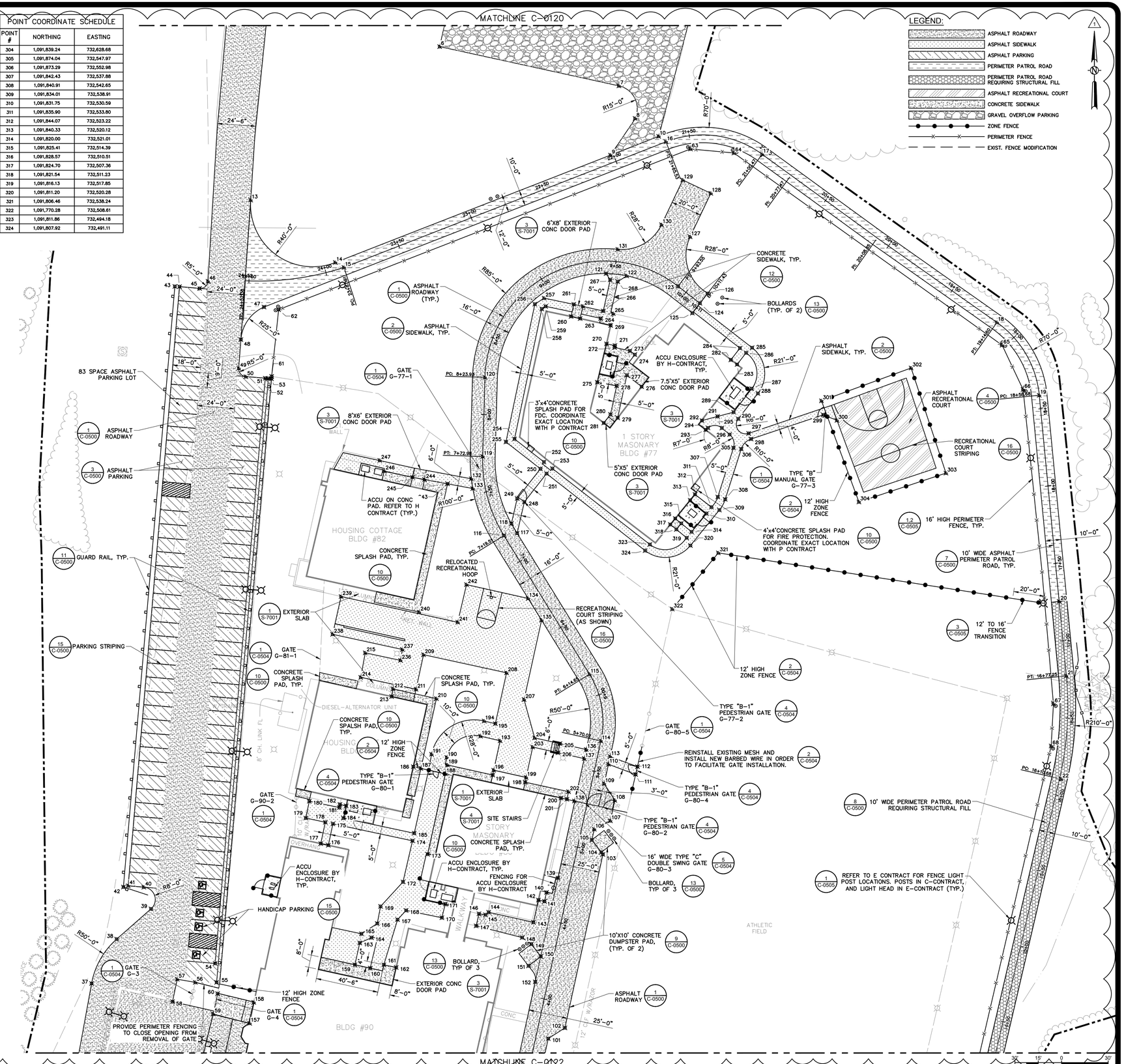
SHEET OF

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36x24 PLOT SHEET

POINT #	NORTHING	EASTING
6	1,092,132.26	732,358.96
7	1,092,107.00	732,474.26
8	1,092,086.06	732,484.67
9	1,092,062.42	732,468.88
10	1,092,074.51	732,499.85
11	1,092,176.19	732,224.23
12	1,092,173.14	732,250.03
13	1,092,033.52	732,237.36
14	1,091,993.33	732,291.79
15	1,091,990.14	732,297.38
16	1,092,070.98	732,504.54
17	1,092,062.99	732,566.41
18	1,091,954.73	732,717.49
19	1,091,907.86	732,744.72
20	1,091,775.22	732,757.53
21	1,091,727.26	732,762.15
22	1,091,660.91	732,758.75
37	1,091,529.34	732,134.98
38	1,091,557.88	732,151.11
39	1,091,577.35	732,173.21
40	1,091,591.33	732,168.61
41	1,091,592.19	732,158.52
42	1,091,591.41	732,155.45
43	1,091,977.95	732,188.55
44	1,091,977.78	732,191.55
45	1,091,976.67	732,204.48
46	1,091,981.24	732,209.89
47	1,091,964.67	732,245.90
48	1,091,943.72	732,231.05
49	1,091,925.22	732,229.70
50	1,091,919.85	732,234.26
51	1,091,918.85	732,246.72
52	1,091,918.68	732,248.71
53	1,091,918.51	732,250.70
54	1,091,542.23	732,214.46
55	1,091,530.08	732,215.43
56	1,091,530.07	732,201.73
57	1,091,532.08	732,190.09
58	1,091,517.64	732,187.06
59	1,091,509.68	732,213.24
60	1,091,522.82	732,216.06
61	1,091,920.01	732,250.83
62	1,091,963.00	732,255.33
63	1,092,066.39	732,520.33
64	1,092,063.81	732,548.26
65	1,091,940.10	732,720.85
66	1,091,911.59	732,734.31
67	1,091,709.30	732,753.84
68	1,091,682.17	732,752.40
101	1,091,493.89	732,428.80
102	1,091,500.75	732,439.53
103	1,091,612.41	732,463.98
104	1,091,613.78	732,462.93
105	1,091,621.70	732,456.83
106	1,091,628.59	732,458.42
107	1,091,634.03	732,468.81
108	1,091,647.17	732,471.66
109	1,091,657.90	732,464.79
110	1,091,670.39	732,467.53
111	1,091,663.85	732,485.02
112	1,091,668.88	732,486.20
113	1,091,675.32	732,468.62
114	1,091,685.44	732,462.64
115	1,091,728.35	732,455.37
116	1,091,817.59	732,400.29
117	1,091,819.08	732,408.77
118	1,091,825.28	732,405.07
119	1,091,868.51	732,386.63
120	1,091,919.44	732,388.08
121	1,091,986.21	732,466.01
122	1,091,984.71	732,479.32
123	1,091,978.05	732,512.29
124	1,091,967.08	732,526.41
125	1,091,960.76	732,521.50
126	1,091,973.40	732,531.32
127	1,092,009.85	732,520.11
128	1,092,037.85	732,533.41
129	1,092,046.43	732,515.34
130	1,092,017.66	732,501.67
131	1,092,001.82	732,473.57
132	1,091,854.15	732,379.28
133	1,091,847.87	732,380.23
134	1,091,777.15	732,415.85
135	1,091,763.12	732,424.51
136	1,091,679.90	732,453.23
137	1,091,674.04	732,451.94
138	1,091,646.75	732,445.62
139	1,091,597.24	732,435.01
140	1,091,587.96	732,427.68
141	1,091,582.18	732,426.34
142	1,091,583.03	732,422.48
143	1,091,568.72	732,419.25
144	1,091,575.16	732,390.45
145	1,091,573.54	732,388.39
146	1,091,574.21	732,384.23
147	1,091,566.41	732,382.40
148	1,091,558.90	732,411.97
149	1,091,554.69	732,417.93
150	1,091,546.76	732,424.02
151	1,091,540.67	732,416.09
152	1,091,530.35	732,420.42
157	1,091,503.70	732,236.71
158	1,091,517.16	732,239.35
159	1,091,541.39	732,304.39
160	1,091,539.20	732,314.23
161	1,091,541.34	732,323.01
162	1,091,539.63	732,330.95
163	1,091,555.42	732,307.53
164	1,091,558.82	732,315.09
165	1,091,561.29	732,308.60
166	1,091,567.94	732,318.79
167	1,091,570.42	732,331.84
168	1,091,576.33	732,337.33
169	1,091,578.92	732,320.92

POINT #	NORTHING	EASTING
170	1,091,571.65	732,360.35
171	1,091,580.50	732,362.55
172	1,091,594.67	732,335.34
173	1,091,612.53	732,351.20
174	1,091,621.14	732,341.44
175	1,091,632.09	732,290.26
176	1,091,618.30	732,287.31
177	1,091,619.36	732,282.42
178	1,091,633.10	732,285.36
179	1,091,635.79	732,272.77
180	1,091,646.66	732,275.04
181	1,091,642.55	732,294.41
182	1,091,644.57	732,294.77
183	1,091,643.64	732,298.73
184	1,091,635.76	732,297.00
185	1,091,626.02	732,342.56
186	1,091,668.83	732,341.98
187	1,091,667.75	732,346.86
188	1,091,664.24	732,362.62
189	1,091,669.97	732,363.89
190	1,091,674.77	732,363.51
191	1,091,676.88	732,353.73
192	1,091,688.51	732,385.25
193	1,091,685.53	732,397.82
194	1,091,698.24	732,397.56
195	1,091,696.53	732,394.76
196	1,091,666.59	732,393.71
197	1,091,663.50	732,393.07
198	1,091,658.88	732,413.93
199	1,091,661.95	732,414.58
200	1,091,648.64	732,437.00
201	1,091,647.89	732,440.81
202	1,091,652.77	732,441.87
203	1,091,681.51	732,418.79
204	1,091,687.38	732,420.05
205	1,091,683.70	732,436.36
206	1,091,677.85	732,435.04
207	1,091,712.01	732,413.25
208	1,091,729.26	732,401.97
209	1,091,740.93	732,348.55
210	1,091,712.66	732,356.85
211	1,091,718.68	732,343.72
212	1,091,718.90	732,328.93
213	1,091,713.99	732,328.02
214	1,091,726.35	732,308.16
215	1,091,742.13	732,311.04
236	1,091,737.28	732,333.73
237	1,091,744.28	732,334.95
238	1,091,754.05	732,290.05
239	1,091,778.35	732,295.51
240	1,091,768.31	732,345.68
241	1,091,761.82	732,370.56
242	1,091,786.03	732,376.21
243	1,091,850.89	732,364.03
244	1,091,853.66	732,349.23
245	1,091,855.13	732,341.41
246	1,091,859.13	732,323.22
247	1,091,865.97	732,320.41
248	1,091,839.22	732,413.43
249	1,091,841.42	732,408.80
250	1,091,860.54	732,423.75
251	1,091,857.47	732,427.69
252	1,091,864.95	732,426.04
253	1,091,860.73	732,431.45
254	1,091,879.78	732,407.10
255	1,091,877.85	732,401.58
256	1,091,966.50	732,420.18
257	1,091,970.40	732,426.15
258	1,091,963.45	732,424.65
259	1,091,965.08	732,427.15
260	1,091,958.61	732,443.48
261	1,091,966.40	732,445.26
262	1,091,965.17	732,451.12
263	1,091,957.27	732,449.33
264	1,091,957.35	732,462.51
265	1,091,960.47	732,470.66
266	1,091,962.12	732,464.14
267	1,091,982.10	732,468.61
268	1,091,981.01	732,473.49
269	1,091,952.83	732,468.96
270	1,091,940.94	732,466.30
271	1,091,939.89	732,471.74
272	1,091,938.67	732,471.47
273	1,091,936.45	732,481.34
274	1,091,934.02	732,484.51
275	1,091,916.28	732,460.35
276	1,091,913.41	732,488.87
277	1,091,920.76	732,479.38
278	1,091,913.94	732,472.80
279	1,091,893.37	732,473.49
280	1,091,895.55	732,468.84
281	1,091,890.05	732,464.52
282	1,091,930.67	732,546.26
283	1,091,927.71	732,550.30
284	1,091,938.23	732,552.14
285	1,091,938.49	732,559.95
286	1,091,935.16	732,556.08
287	1,091,912.13	732,559.73
288	1,091,909.08	732,563.69
289	1,091,897.02	732,548.07
290	1,091,892.70	732,551.05
291	1,091,894.28	732,537.73
292	1,091,891.58	732,537.70
293	1,091,885.66	732,530.09
294	1,091,886.88	732,531.58
295	1,091,886.80	732,540.51
296	1,091,882.59	732,545.51
297	1,091,883.35	732,557.72
298	1,091,879.73	732,559.33
299	1,091,895.29	732,605.73
300	1,091,891.74	732,614.55
301	1,091,904.33	732,604.60
302	1,091,925.44	732,662.26
303	1,091,857.80	732,684.70

POINT #	NORTHING	EASTING
304	1,091,839.24	732,628.68
305	1,091,874.04	732,547.97
306	1,091,873.29	732,552.98
307	1,091,842.43	732,537.88
308	1,091,840.91	732,542.65
309	1,091,834.01	732,538.91
310	1,091,831.75	732,530.59
311	1,091,835.90	732,533.80
312	1,091,844.07	732,523.22
313	1,091,840.33	732,520.12
314	1,091,820.00	732,521.01
315	1,091,825.41	732,514.39
316	1,091,828.57	732,510.51
317	1,091,824.70	732,507.36
318	1,091,821.54	732,511.23
319	1,091,816.13	732,517.85
320	1,091,811.20	732,520.28
321	1,091,806.46	732,538.24
322	1,091,770.28	732,508.61
323	1,091,811.86	732,494.18
324	1,091,807.92	732,491.11



NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

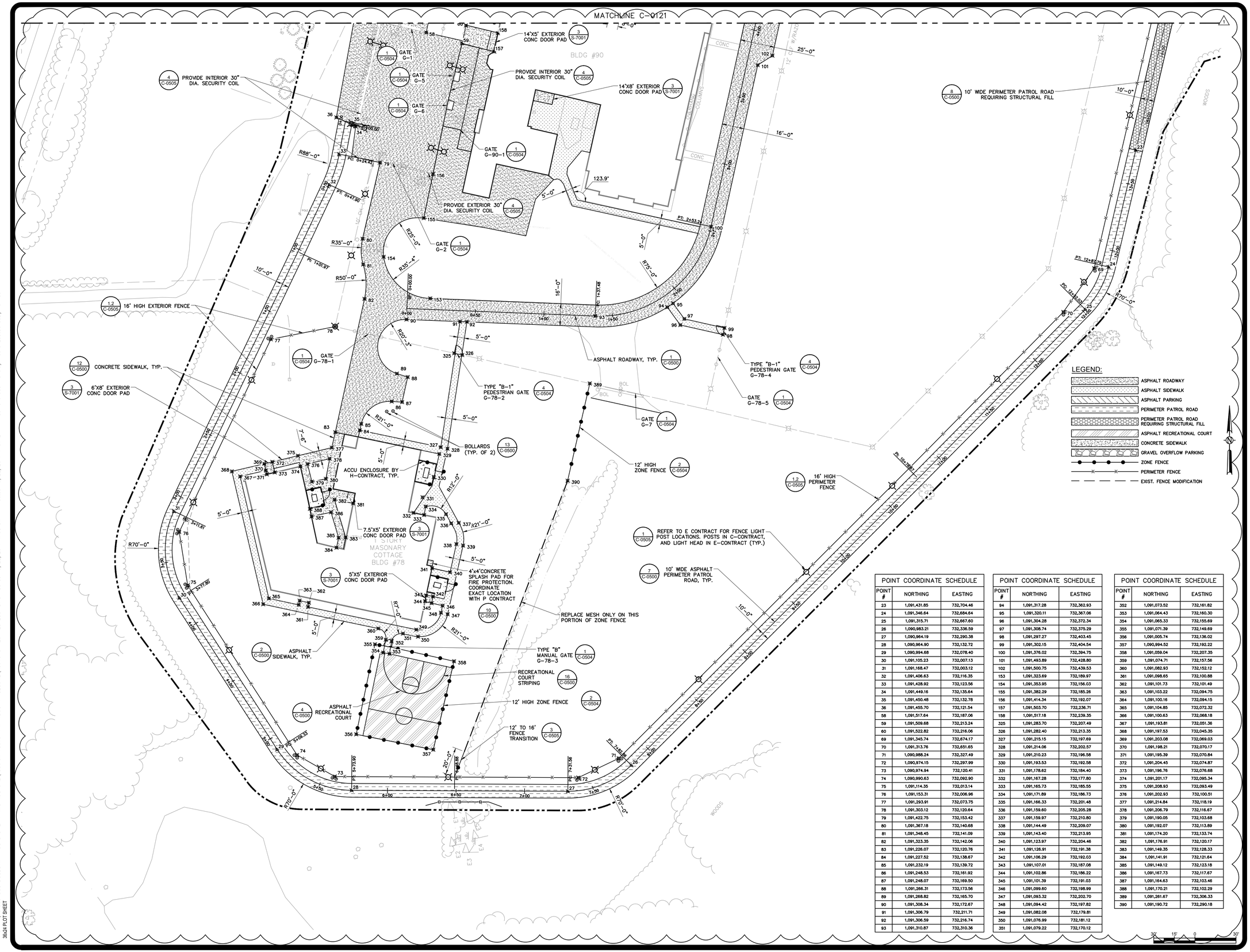
LAYOUT PLAN
AREA B

DRAWING NUMBER:

C-0121

SHEET OF

File: F:\MJ\1350 OGS DOS\8544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-120-123 LOUT.DWG Saved: 9/22/2017 4:08:34 PM Plotted: 9/22/2017 4:57:00 PM Current User: Shelby Moore LastSavedBy: cwilson
36x24 PLOT SHEET



POINT COORDINATE SCHEDULE		
POINT #	NORTHING	EASTING
23	1,091,431.85	732,704.46
24	1,091,346.64	732,684.64
25	1,091,315.71	732,667.60
26	1,090,983.21	732,336.59
27	1,090,964.19	732,290.38
28	1,090,964.90	732,132.72
29	1,090,994.68	732,078.40
30	1,091,105.23	732,007.13
31	1,091,168.47	732,003.12
32	1,091,406.63	732,116.35
33	1,091,428.92	732,123.56
34	1,091,449.16	732,135.64
35	1,091,450.48	732,132.78
36	1,091,455.70	732,121.54
58	1,091,517.64	732,187.06
59	1,091,509.68	732,213.24
60	1,091,522.82	732,216.06
69	1,091,345.74	732,674.17
70	1,091,313.76	732,651.65
71	1,090,988.24	732,327.49
72	1,090,974.15	732,297.99
73	1,090,974.94	732,120.41
74	1,090,990.63	732,092.90
75	1,091,114.35	732,013.14
76	1,091,153.31	732,006.96
77	1,091,293.91	732,073.75
78	1,091,303.12	732,120.64
79	1,091,422.75	732,153.42
80	1,091,367.18	732,140.68
81	1,091,348.45	732,141.09
82	1,091,323.35	732,142.06
83	1,091,226.07	732,120.76
84	1,091,227.52	732,138.67
85	1,091,232.19	732,139.72
86	1,091,248.53	732,161.92
87	1,091,248.07	732,169.50
88	1,091,266.31	732,173.56
89	1,091,268.82	732,165.70
90	1,091,308.34	732,172.67
91	1,091,306.79	732,211.71
92	1,091,306.59	732,216.74
93	1,091,310.87	732,310.36

POINT COORDINATE SCHEDULE		
POINT #	NORTHING	EASTING
94	1,091,317.28	732,362.93
95	1,091,320.11	732,367.06
96	1,091,304.28	732,372.34
97	1,091,308.74	732,375.29
98	1,091,297.27	732,403.45
99	1,091,302.15	732,404.54
100	1,091,376.02	732,394.75
101	1,091,493.89	732,428.80
102	1,091,500.75	732,439.53
153	1,091,323.69	732,189.97
154	1,091,353.95	732,156.03
155	1,091,382.29	732,185.26
156	1,091,414.34	732,192.07
157	1,091,503.70	732,236.71
158	1,091,517.18	732,239.35
325	1,091,283.70	732,207.49
326	1,091,282.40	732,213.35
327	1,091,215.15	732,197.69
328	1,091,214.06	732,202.57
329	1,091,210.23	732,196.58
330	1,091,193.53	732,192.58
331	1,091,178.62	732,184.40
332	1,091,167.28	732,177.80
333	1,091,165.73	732,185.55
334	1,091,171.89	732,186.73
335	1,091,166.33	732,201.48
336	1,091,159.60	732,205.28
337	1,091,159.97	732,210.80
338	1,091,144.49	732,209.07
339	1,091,143.40	732,213.95
340	1,091,123.97	732,204.46
341	1,091,126.91	732,191.38
342	1,091,106.29	732,192.03
343	1,091,107.01	732,187.08
344	1,091,102.86	732,186.22
345	1,091,101.39	732,191.03
346	1,091,099.60	732,198.99
347	1,091,093.32	732,202.70
348	1,091,094.42	732,197.82
349	1,091,082.08	732,179.81
350	1,091,076.99	732,181.12
351	1,091,079.22	732,170.12

POINT COORDINATE SCHEDULE		
POINT #	NORTHING	EASTING
352	1,091,073.52	732,161.82
353	1,091,064.43	732,160.30
354	1,091,065.33	732,155.69
355	1,091,071.39	732,149.69
356	1,091,005.74	732,136.02
357	1,090,994.52	732,192.22
358	1,091,059.04	732,207.35
359	1,091,074.71	732,157.56
360	1,091,082.93	732,152.12
361	1,091,098.65	732,100.88
362	1,091,101.73	732,101.49
363	1,091,103.22	732,094.75
364	1,091,100.16	732,094.15
365	1,091,104.85	732,072.32
366	1,091,100.63	732,068.18
367	1,091,193.81	732,051.36
368	1,091,197.53	732,045.35
369	1,091,203.08	732,069.03
370	1,091,198.21	732,070.17
371	1,091,195.39	732,070.84
372	1,091,204.45	732,074.87
373	1,091,196.76	732,076.68
374	1,091,201.17	732,095.34
375	1,091,208.93	732,093.49
376	1,091,202.93	732,100.51
377	1,091,214.84	732,118.19
378	1,091,206.79	732,116.67
379	1,091,190.05	732,103.68
380	1,091,192.07	732,113.89
381	1,091,174.20	732,133.74
382	1,091,176.91	732,120.17
383	1,091,149.35	732,128.33
384	1,091,141.91	732,121.64
385	1,091,149.12	732,123.18
386	1,091,167.73	732,117.67
387	1,091,164.63	732,103.46
388	1,091,170.21	732,102.29
389	1,091,261.67	732,306.33
390	1,091,190.72	732,290.18

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
LAYOUT PLAN
AREA C

DRAWING NUMBER:
C-0122

SHEET OF

File: F:\MJ\1350 OGS DOSB544 – OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-120-123 LOUT.DWG Saved: 9/22/2017 4:08:34 PM Plotted: 9/22/2017 4:57:21 PM Current User: Shelby Moore LastSavedBy: dwilson
36x24 PLOT SHEET

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36x24 PLOT SHEET

LEGEND:

- UD — STORM UNDERDRAIN
- ST — STORM SEWER
- RD — ROOF DRAIN
- W — WATER PIPE
- PIV — POST INDICATOR VALVE
- DH — DRY HYDRANT
- CB — CATCH BASIN
- ST — STORM MANHOLE
- FLARED END SECTION W/ RIP RAP
- FLARED END SECTION W/ OUT RIP RAP
- STORM CLEANOUT
- ROOF DOWNSPOUT

MH52
TF=576.50
S INV= 568.84
N INV= 568.84

MH53
TF=573.
S INV=
N INV=

25 LF 18" HDPE @ 4.00%

INV:568.25

8 / C-0502 ES 1 INV:567.00

CB 1
TF: 572.50
INV. IN(N): 568.10
INV. IN(S): 568.10
INV. OUT: 568.00

2 / C-0501

INV:577.75

UD

ST

ASPHALT

SPEED LIMIT 55 MPH

MATCHLINE C-0131

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER: 45679 - C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
UTILITY PLAN
AREA A

DRAWING NUMBER:
C-0130

SHEET OF

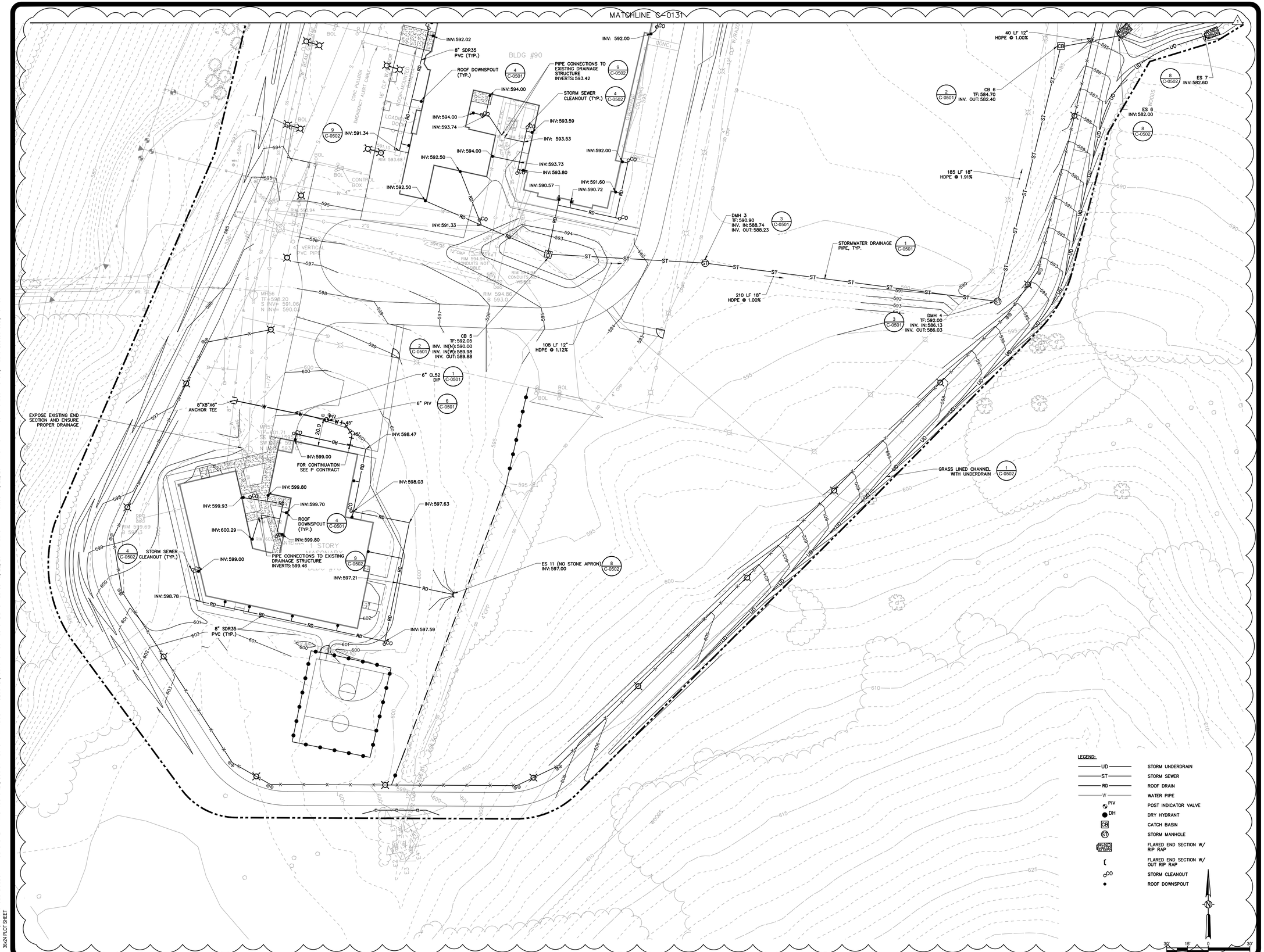
30' 15' 0 30'

MATCHLINE C-0130

MATCHLINE C-0132

LEGEND:
- UD — STORM UNDERDRAIN
- ST — STORM SEWER
- RD — ROOF DRAIN
- W — WATER PIPE
- PIV — POST INDICATOR VALVE
- DH — DRY HYDRANT
- CB — CATCH BASIN
- ST — STORM MANHOLE
- FLARED END SECTION W/ RIP RAP
- FLARED END SECTION W/ OUT RIP RAP
- CO — STORM CLEANOUT
- ROOF DOWNSPOUT

ES 2 (8/C-0502) INV: 575.00
INV: 568.25
INV: 568.25
70 LF 18" HDPE @ 3.43%
CB 2 TF: 582.50 INV. IN(N): 577.53 INV. IN (S): 577.53 INV. OUT: 577.40 (2/C-0501)
ES 3 (8/C-0502) INV: 566.00
CB 3 TF: 572.50 INV. IN(N): 567.90 INV. IN(S): 567.90 INV. OUT: 567.00 (2/C-0501)
INV: 577.75
25 LF 18" HDPE @ 4.00%
ES 4 (8/C-0502) INV: 575.00
INV: 568.25
45 LF 12" HDPE @ 13.89%
CB 4 TF: 585.77 INV. IN: 582.87 INV. OUT: 581.25 (2/C-0501)
STORMWATER DRAINAGE PIPE, TYP. (1/C-0501)
176 LF 12" HDPE @ 1.00%
DMH 1 TF: 590.70 INV. IN: MATCH EXISTING INV. OUT: 584.59 (3/C-0501)
DMH 2 TF: 591.17 INV. IN: 588.37 INV. OUT: 588.27 (3/C-0501)
ES 5 (8/C-0502) INV: 587.50
25 LF 12" HDPE @ 3.08%
DRY HYDRANT CONNECTION (5/C-0501)
6" CL52 DIP
DRY HYDRANT CONNECTION (5/C-0501)
FERNCO COUPLING EXISTING 8" CONC. TO 8" HDPE PIPE
INV: 594.91 (9/C-0502)
11.25° BEND
22.5° BEND
6" PIV (5/C-0501)
ES 12 (NO STONE APRON) INV: 593.65 (8/C-0502)
45° BEND (TYP.)
50 LF 8" HDPE @ 1.00%
REFER TO P CONTRACT FOR CONNECTION
PIPE CONNECTIONS TO EXISTING DRAINAGE STRUCTURE INVERTS: 596.37 (9/C-0502)
INV: 596.62
INV: 596.00
INV: 597.00
ROOF DOWNSPOUT (TYP.)
INV: 594.99
STORM SEWER CLEANOUT (TYP.) (4/C-0502)
8" SDR35 PVC (TYP.)
INV: 597.00
INV: 596.00
INV: 597.00
INV: 597.00
INV: 595.53
INV: 594.34
ROOF DOWNSPOUT (TYP.)
8" SDR35 PVC (TYP.)
INV: 593.94
INV: 592.63
INV: 592.92
ES 10 INV: 592.00 (8/C-0502)
REFER TO E CONTRACT DOCUMENTS FOR PEDESTRIAN WALKWAY LIGHTING.
HOUSING COTTAGE BLDG #82
HOUSING COTTAGE BLDG #81
1 STORY MASONARY COTTAGE BLDG #80
1 STORY MASONARY BLDG #77
DIESEL-ALTERNATOR UNIT
ATHLETIC FIELD
DAYLIGHT BUILDING DOWNSPOUT (TYP.) (6/C-0502)
STORM SEWER CLEANOUT (TYP.) (4/C-0502)
PIPE CONNECTION TO EXISTING DRAINAGE STRUCTURE INVERTS: 591.00 (9/C-0502)
INV: 592.00
INV: 591.35
INV: 590.50
INV: 592.00
INV: 591.00
INV: 592.00
INV: 592.00
INV: 591.00
INV: 592.00
INV: 592.00
ROOF DOWNSPOUT (TYP.)
8" SDR35 PVC (TYP.)
8" SDR35 PVC (TYP.)
INV: 592.02
8" SDR35 PVC (TYP.)
CONNECT BUILDING DOWNSPOUT INTO 8" SDR35 PVC HEADER PIPE (TYP.) (4/C-0501)
INV: 588.50 (9/C-0502)
8" SDR35 PVC (TYP.)
ES 9 INV: 580.75 (8/C-0502)
22 LF 12" HDPE @ 1.14%
ES 8 INV: 581.00 (8/C-0502)
ES 6 INV: 581.20 (8/C-0502)
40 LF 24" HDPE @ 0.50%
CB 6 TF: 584.90 INV. OUT: 581.40 (2/C-0501)
ES 7 INV: 582.00 (8/C-0502)
4" CPP
12" CPP
8" CONC. INVERTS
8" CONC. INVERTS
8" ACP
8" PVC
8" CMP
6" DIP
12" DIP
8" CH. LINK FENCE
10' CH. LINK FENCE
WIRE FENCE
ASPHALT
CONC.
BOL
RIM 596.80 S 590.75 N 587.60
RIM 596.60 INV 588.65
RIM 596.63 INV 588.65
RIM 596.45 INV 588.45
RIM 596.21 B 591.21
RIM 596.33 B 591.33
RIM 596.00 B 590.2
RIM 595.32
RIM 595.33 B 592.18
RIM 594.38
RIM 594.48 B 590.98
RIM 595.02
RIM 594.11
RIM 592.47
RIM 592.70
RIM 592.45 INV 587.46
RIM 592.35 B 587.2
RIM 598.21 B 596.2
RIM 593.78 E 588.1C S 587.55
RIM 596.63 INV 588.65
RIM 596.80 N 591.50
RIM 596.81 N 591.50
RIM 596.58 N 591.58
RIM 596.50 N 591.50
RIM 596.58 B 591.58
RIM 595.99 S 590.50 W 589.50
RIM 594.40 W 589.50 S 589.60
RIM 594.50 B 589.5
RIM 594.07 B 589.07
RIM 593.71 N 589.56 W 589.65
RIM 592.42 BOLTED - COULD NOT OBTAIN INVERTS
RIM 591.74 SW 586.19 NE 586.29 E 586.34
RIM 591.58 B 586.58
RIM 591.58 TF: 591.58 INV. IN: 584.94 N 590.55 N 582.55
RIM 594.28
RIM 594.73
RIM 592.70
RIM 592.70
RIM 592.70



File: F:\MJ\350 OGS DOS8544 - OGFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-130-133 UTIL.DWG Saved: 9/22/2017 4:09:31 PM Plotted: 9/22/2017 4:54:18 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
UTILITY PLAN
AREA C

DRAWING NUMBER:
C–0132

SHEET OF

File: F:\MJ\350 OGS DOS8544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-140-143 GRAD.DWG Saved: 9/22/2017 4:10:23 PM Plotted: 9/22/2017 5:00:21 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

1

LEGEND:

607	CONTOUR LINE
598.60	SPOT ELEVATION
ME	MATCH EXISTNG
LP: 597.50	LOW POINT
HP: 599.50	HIGH POINT



NEW YORK STATE OF OPPORTUNITY. Office of General Services

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CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING PLAN
AREA A

DRAWING NUMBER:
C-0140

SHEET OF

MATCHLINE C-0140

MATCHLINE C-0142

LEGEND:

603	CONTOUR LINE
598.60	SPOT ELEVATION
ME	MATCH EXISTNG
LP: 597.50	LOW POINT
HP: 599.50	HIGH POINT

BIORETENTION POND 1 — 2 / C-0502

BIORETENTION POND 2 — 2 / C-0502

GRASS LINED SWALE, TYP. — 7 / C-0502

CONC. PAD SHALL BE FLUSH WITH EXISTING ENTRANCE PAD

CONCRETE SITE STAIRS. REFER TO STRUCTURAL PLANS.

MATCH EXISTING FINISH FLOOR

1 STORY MASONARY BLDG #77

HOUSING COTTAGE BLDG #82

HOUSING COTTAGE BLDG #81

1 STORY MASONARY COTTAGE BLDG #80

BLDG #90

DIESEL-ALTERNATOR UNIT

ATHLETIC FIELD

DETENTION POND

WALKWAY

ASPHALT

8" CONC. INV. 584.15

RIM 592.33 BI 587.2

RIM 593.78 E 588.10 S 587.35

RIM 596.63 INV 588.65

RIM 590.63 SE 584.10 N 584.50

RIM 596.81 N 591.50

RIM 596.80 S 590.75 N 587.69

RIM 595.32

RIM 594.18

RIM 594.68

RIM 594.40 W 589.50 E 589.60

RIM 594.48

RIM 594.11

RIM 594.73

RIM 594.47

RIM 594.07 W 589.40

RIM 593.71 N 589.56 W 589.65

RIM 594.56 SUMP 589.50

RIM 592.42 BOLTED - COULD NOT OBTAIN INVERTS

SW 586.19 NE 586.29 E 586.34

S INV= 584.94 N INV= 582.55

CONC PAD W/TRANS

8' CH. LINK FENCE

10' W/ GATE

10' CLF W/RAZOR

OVERHANG

W BEAM GUARDRAIL

8"-12" SPRUCE

BOL

CONC

CB

UG

SP

ST

UD

OH

WIRE

12"CPP

4" CPP

12"CMP

12"POP

8" PVC

8" STEEL

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

30' 15' 0 30'

File: F:\MJ\350 OGS DOS8544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-140-143 GRAD.DWG Saved: 9/22/2017 4:10:23 PM Plotted: 9/22/2017 5:00:45 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

WARNING:

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE: GRADING PLAN AREA B

DRAWING NUMBER: C-0141

SHEET OF

File: F:\MJ\350 OGS DOS\5544 - OGFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-140-143 GRAD.DWG Saved: 9/22/2017 4:10:23 PM Plotted: 9/22/2017 5:01:07 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

MATCHLINE C-0141

MATCH EXISTING FINISH FLOOR
FF=595.91
FF=595.93 ME
FF=595.88
FF=595.83
BLDG #90
592.65
FF=595.78
FF=595.86
RIM 595.0
RIM 591.10
RIM 593.68
CONTROL BOX
RIM 594.86
IE 593.0
S INV= 591.06
N INV= 590.0
7 C-0502 GRASS LINED SWALE, TYP.
GRASS LINED SWALE WITH UNDERDRAIN, TYP. 1 C-0502
601.26
602.26
601.34
FF=602.40
FF=602.08
ME: 601.16±
602.14
ME: 602.38±
601.33
ME: 602.38±
ME: 601.35±
ME: 601.43±
FF=602.4
ME: 601.19±
ME
RIM 603.69
IE 600.43
RIM 602.82
RIM 602.26
1 STORY MASONRY COTTAGE BLDG #78
FF=602.42
601.92
601.55
FF=602.38
ME: 601.55±
ME: 602.38±
FF=602.38
602.31
601.72
601.48
601.43
601.89
601.97
601.40
LEGEND:
603 CONTOUR LINE
598.60 SPOT ELEVATION
ME MATCH EXISTING
LP: 597.50 LOW POINT
HP: 599.50 HIGH POINT
N
30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
GRADING PLAN
AREA C

DRAWING NUMBER:
C-0142

SHEET OF

File: F:\MJ\350 OGS DOS\B544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-150-153 E&SC.DWG Saved: 9/22/2017 4:11:21 PM Plotted: 9/22/2017 5:01:36 PM Current User: Shelby Moore LastSavedBy: awilson
36x24 PLOT SHEET

LEGEND:

- SF — SILT FENCE
- ENVIRONMENTALLY SENSITIVE AREA PROTECTION FENCE
- IN-PAVEMENT INLET PROTECTION
- OUT-OF-PAVEMENT INLET PROTECTION
- TEMPORARY STONE CHECK DAM
- EROSION CONTROL BLANKET
- GRAVEL STAGING AREA AND CONSTRUCTION ENTRANCE



MATCHLINE C-0151

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER: 45679 - C

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
EROSION AND SEDIMENT CONTROL PLAN AREA A

DRAWING NUMBER:
C-0150

SHEET OF

MATCHLINE C-0150

MATCHLINE C-0152

LEGEND:
- SF — SILT FENCE
- ENVIRONMENTALLY SENSITIVE AREA PROTECTION FENCE
- IN-PAVEMENT INLET PROTECTION
- OUT-OF-PAVEMENT INLET PROTECTION
- TEMPORARY STONE CHECK DAM
- EROSION CONTROL BLANKET
- GRAVEL STAGING AREA AND CONSTRUCTION ENTRANCE

3 C-0502 EROSION CONTROL BLANKET, TYP.

1 C-0503 STABILIZED CONSTRUCTION ETRANCE, TYP.

4 C-0503 STONE CHECK DAM, TYP.

2 C-0503 SILT FENCE, TYP.

IN PAVEMENT INLET PROTECTION, TYP. 7 C-0503

OUT OF PAVEMENT INLET PROTECTION, TYP. 8 C-0503

ENVIRONMENTALLY SENSITIVE AREA PROTECTION FENCE, TYP. 5 C-0503

1 STORY MASONARY BLDG #77

HOUSING COTTAGE BLDG #82

HOUSING COTTAGE BLDG #81

1 STORY MASONARY COTTAGE BLDG #80

BLDG #90

ATHLETIC FIELD

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
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	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EROSION AND SEDIMENT CONTROL PLAN AREA B

DRAWING NUMBER:
C-0151

SHEET OF

File: F:\MJ\350 OGS DOSB544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-150-153 E&SC.DWG Saved: 9/22/2017 4:11:21 PM Plotted: 9/22/2017 5:01:58 PM Current User: Shelby Moore LastSavedBy: awilson
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36x24 PLOT SHEET

MATCHLINE C-0151

BLDG #90

1 STORY MASONRY COTTAGE BLDG #78

2 C-0503 SILT FENCE, TYP.

4 C-0503 STONE CHECK DAM, TYP.

OUT OF PAVEMENT INLET PROTECTION, TYP. 8 C-0503

STONE CHECK DAM, TYP. 4 C-0503

SILT FENCE, TYP. 2 C-0503

ENVIRONMENTALLY SENSITIVE AREA PROTECTION FENCE, TYP. 1 C-0503

LEGEND:

- SF — SILT FENCE
- ENVIRONMENTALLY SENSITIVE AREA PROTECTION FENCE
- IN-PAVEMENT INLET PROTECTION
- OUT-OF-PAVEMENT INLET PROTECTION
- TEMPORARY STONE CHECK DAM
- EROSION CONTROL BLANKET

30' 15' 0 30'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

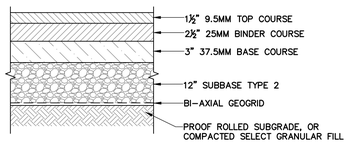
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
EROSION AND SEDIMENT CONTROL PLAN AREA C

DRAWING NUMBER:
C-0152

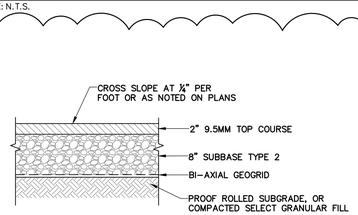
SHEET OF



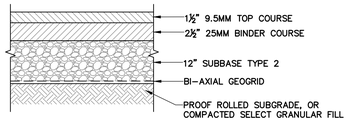
NOTES:

1. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR WHEN PAVEMENT COURSES ARE NOT INSTALLED IMMEDIATELY AFTER ONE ANOTHER.

1 ASPHALT PAVEMENT SECTION (ROADS)
SCALE: N.T.S.



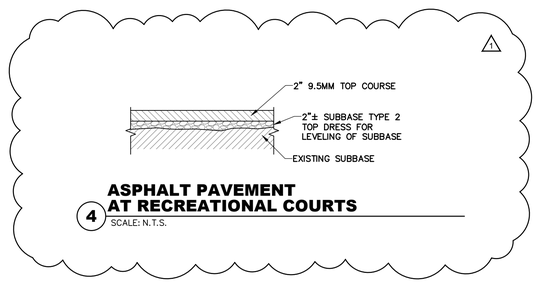
2 ASPHALT PAVEMENT SECTION (SIDEWALKS)
SCALE: N.T.S.



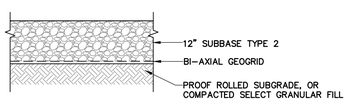
NOTES:

1. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR WHEN PAVEMENT COURSES ARE NOT INSTALLED IMMEDIATELY AFTER ONE ANOTHER.

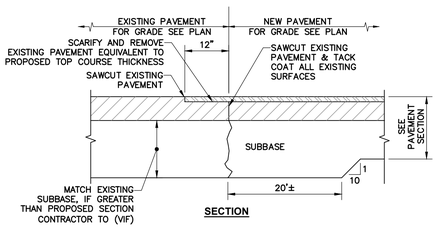
3 ASPHALT PAVEMENT SECTION (PARKING)
SCALE: N.T.S.



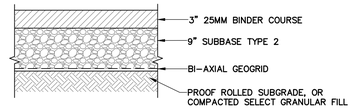
4 ASPHALT PAVEMENT AT RECREATIONAL COURTS
SCALE: N.T.S.



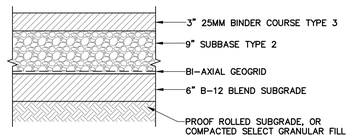
5 GRAVEL OVERFLOW PARKING/ STAGING & STORAGE AREA
SCALE: N.T.S.



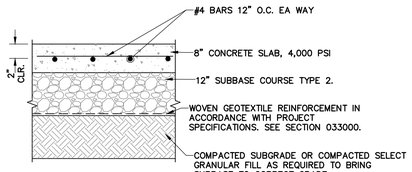
6 PAVEMENT TRANSITION
SCALE: N.T.S.



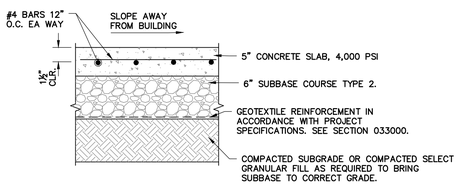
7 PERIMETER PATROL ROAD SECTION
SCALE: N.T.S.



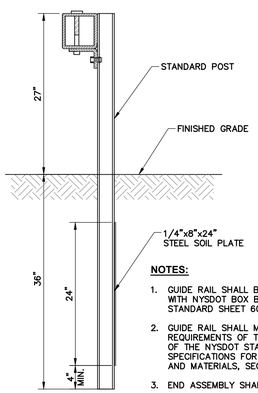
8 PERIMETER PATROL ROAD SECTION (STRUCTURAL FILL REQUIRED)
SCALE: N.T.S.



9 DUMPSTER PAD SECTION
SCALE: N.T.S.



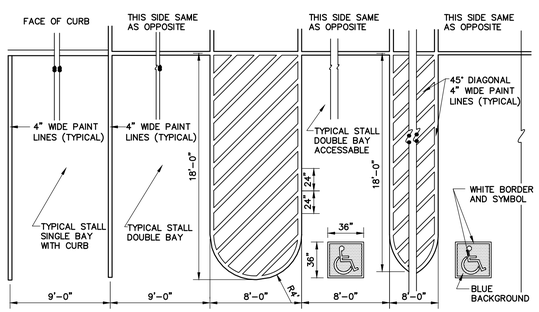
10 CONCRETE SPLASH PAD SECTION
SCALE: N.T.S.



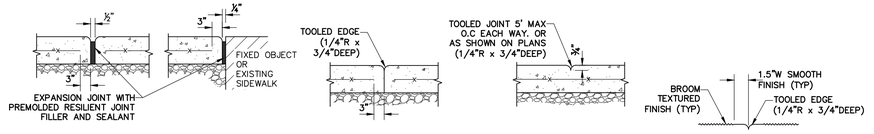
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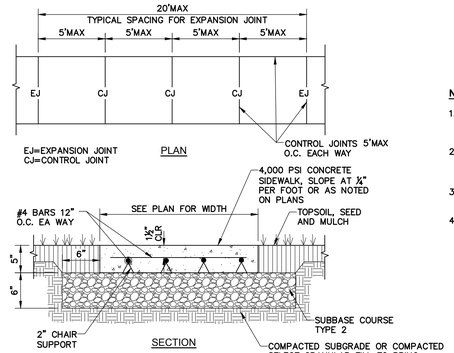
1. GUIDE RAIL SHALL BE IN ACCORDANCE WITH NYSDOT BOX BEAM GUIDE RAIL STANDARD SHEET 606-04.
2. GUIDE RAIL SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 710-21.
3. END ASSEMBLY SHALL BE TYPE 1 OR 2

11 BOX BEAM GUIDERAIL
SCALE: N.T.S.



15 PARKING LOT STRIPING
SCALE: N.T.S.

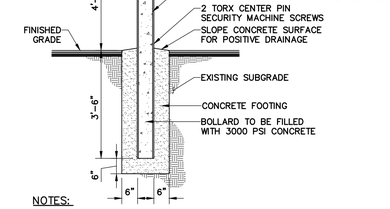




NOTES:

1. ALL CONCRETE SHALL BE 4000 PSI CONCRETE. CONCRETE MATERIALS, PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SPECIFICATION SECTION 321300.
2. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. PROVIDE MAX 1.5" WIDE SMOOTH TROWEL FINISH AT JOINT.
3. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
4. SUBBASE MATERIAL SHALL CONFORM WITH SPECIFICATION SECTION 310000.

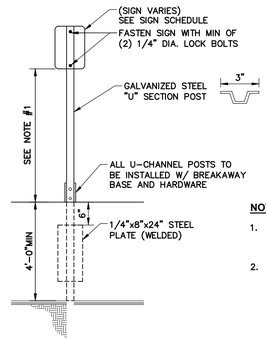
12 CONCRETE SIDEWALK
SCALE: N.T.S.



NOTES:

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI @ 28 DAYS.
2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" (WITH A TOLERANCE OF 1").
3. ALL CONCRETE SHALL HAVE A 5% ENTRAINED AIR (WITH A TOLERANCES OF 1%) CONFORMING WITH ASTM C260.

13 BOLLARD WITH COVER DETAIL
SCALE: N.T.S.



NOTES:

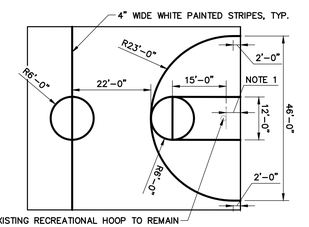
1. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 5' FROM FINISH GRADE AT BOTTOM OF SIGN.
2. SIGN POST SHALL BE IN ACCORDANCE W/ SPECIFICATION SECTION 344113 - TRAFFIC SIGNS.

SIGN SCHEDULE

MUTCD SIGNAGE

SIGN NO.	SIGN FACE	MUTCD NUMBER	MIN SIZE	COLORS	
				BCK GRND	LEGEND
①	STOP	R1-1	24"x24"	RED	WHITE
②	RESERVED PARKING	R7-8(MOD.)	12"x18"	WHITE	GREEN/ BLUE
③	NO PARKING ANY TIME	R7-1	12"x18"	WHITE	RED

14 SINGLE POST SIGN MOUNTING DETAILS
SCALE: N.T.S.



NOTE:

1. MIN. 4'-0" BETWEEN EDGE OF ASPHALT AND BACKBOARD FOR RELOCATED RECREATIONAL HOOP NEAR BUILDING 80.

16 RECREATIONAL COURT STRIPING DETAIL
SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

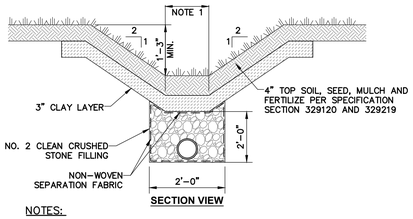
PROJECT NUMBER:	45679 - C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
TYPICAL SITE DETAILS

DRAWING NUMBER:
C-0500

SHEET OF

File: F:\VM1350 OGS D058544 - OCFS SITE INFRASTRUCTURE\1350.04 45679 RTA INDUSTRY SECURE\45679 C-500 DETL.DWG Saved: 9/22/2017 4:12:18 PM Plotted: 9/22/2017 5:02:30 PM Current User: Shelby Moore LastSavedBy: owilson
36x24 PLOT SHEET



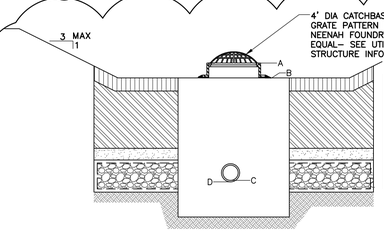
SECTION VIEW

NOTES:

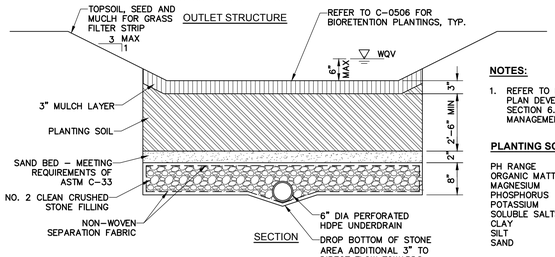
1. DIMENSION "W" SHALL BE AT A MINIMUM OF 1'-0" UNLESS OTHERWISE NOTED ON THE PLANS.
2. SWALE SHALL BE SEEDED AND MULCHED AS REQUIRED IN SPECIFICATION 329113 AND 329200.
3. SLOPE OF SWALE SHALL BE MINIMUM 2%.

1 GRASS LINED CHANNEL WITH UNDERDRAIN DETAIL

SCALE: N.T.S.



BIORETENTION OUTLET STRUCTURES			
	CB1	CB2	CB3
A – TOP OF FRAME	572.50	582.50	572.50
B – FINISH GRADE	572.00	582.00	572.00
C – UNDERDRAIN INVERT	568.10	577.53	567.90
D – OUTLET PIPE INVERT	568.00	577.40	567.00



NOTES:

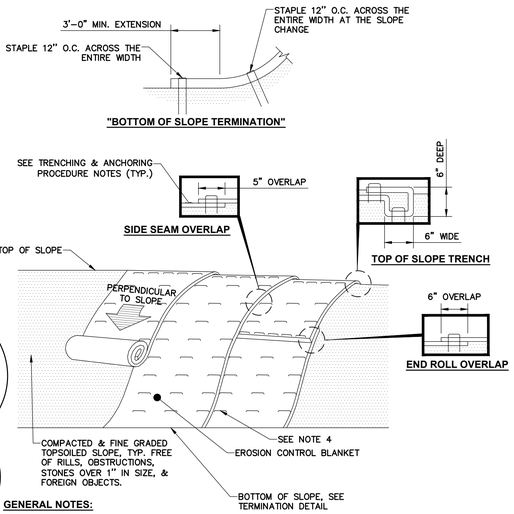
1. REFER TO BIORETENTION LANDSCAPE PLAN DEVELOPED IN ACCORDANCE WITH SECTION 6.4.5 OF THE NYS STORMWATER MANAGEMENT DESIGN MANUAL.

PLANTING SOIL:

PH RANGE	5.2 TO 7.00
ORGANIC MATTER	1.5 TO 4.0%
MAGNESIUM	35 LBS PER ACRE, MIN
PHOSPHORUS	75 LBS PER ACRE, MIN
POTASSIUM	85 LBS PER ACRE, MIN
SOLUBLE SALTS	< 500 PPM
CLAY	10 TO 25%
SILT	30 TO 55%
SAND	35 TO 60%

2 BIORETENTION (F-5) SECTION

SCALE: N.T.S.



GENERAL NOTES:

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS. OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.
3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

TRENCHING & ANCHORING PROCEDURE NOTES:

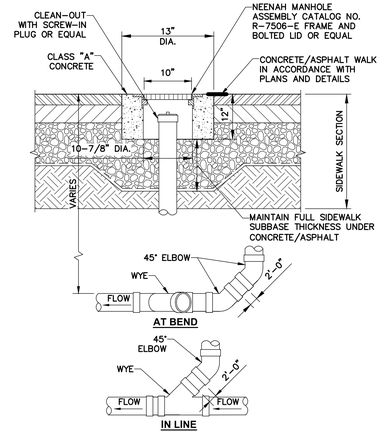
SIDE SEAM OVERLAP: THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

TOP OF SLOPE TRENCH: BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6"D x 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

END ROLL OVERLAP: CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE-STYLE) WITH A 6" OVERLAP. STAPLE THRU OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

3 EROSION CONTROL BLANKET INSTALLATION

SCALE: N.T.S.

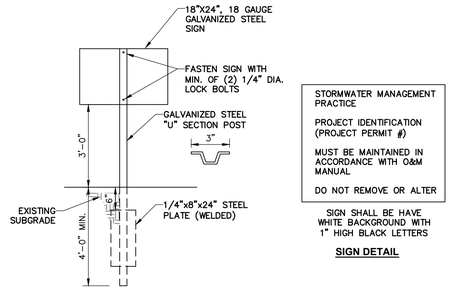


NOTES:

1. ROOF DRAIN PIPE FITTINGS TO BE ASTM D-3034 SDR-35 PVC.

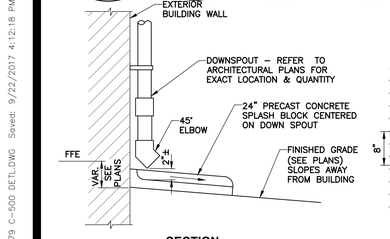
4 STORM SEWER CLEANOUT

SCALE: N.T.S.



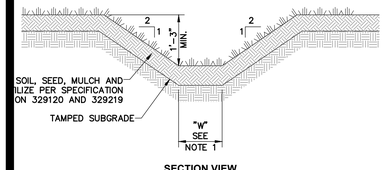
5 STORMWATER MANAGEMENT SIGN

SCALE: N.T.S.



6 BUILDING DOWNSPOUT CONNECTION (DAYLIGHTED)

SCALE: N.T.S.



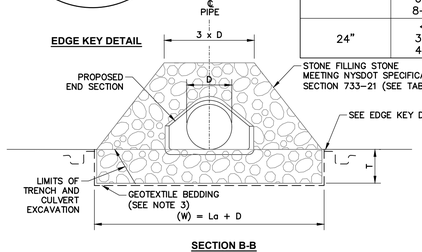
SECTION VIEW

NOTES:

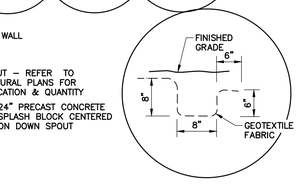
1. DIMENSION "W" SHALL BE AT A MINIMUM OF 6'-0" UNLESS OTHERWISE NOTED ON THE PLANS.
2. SWALE SHALL BE SEEDED AND MULCHED AS REQUIRED IN SPECIFICATION 329113 AND 329200.
3. SLOPE OF SWALE SHALL BE MINIMUM 2%.

7 GRASS LINED CHANNEL DETAIL

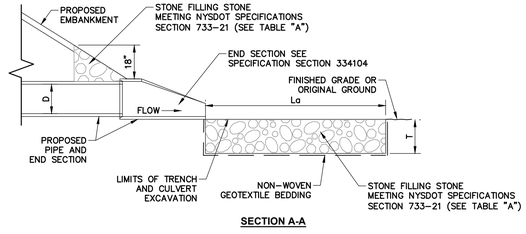
SCALE: N.T.S.



EDGE KEY DETAIL



SECTION B-B



SECTION A-A

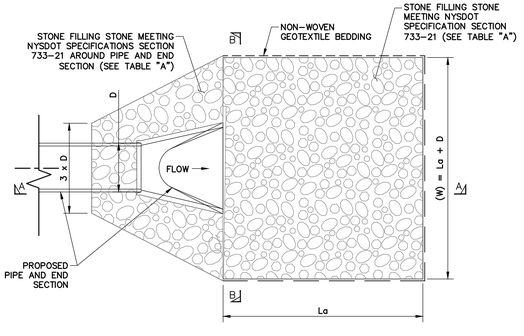
STONE APRON SIZING REQUIREMENT TABLE "A"							
CULVERT DIA. (D)	CULVERT SLOPE, %	APRON MATERIAL SIZE, d50 (FT)	APRON MATERIAL SIZE, dmax (FT)	APRON MATERIAL PER NYSDOT CLASSIFICATION	MINIMUM APRON THICKNESS (IN) (T)	MINIMUM OUTLET APRON LENGTH (FT) (La)	MINIMUM OUTLET APRON WIDTH (FT) (W)
8", 10", 12"	<8	0.75	1.17	LIGHT	20	16	17
	8-10	1.0	1.50	MEDIUM	27	17	18
18"	<4	1.0	1.5	MEDIUM	27	19	21
	4-6	1.0	1.5	MEDIUM	27	22	24
	6-8	1.25	1.83	HEAVY	32	23	25
	8-10	1.25	1.83	HEAVY	32	25	27
24"	<3	1.0	1.5	MEDIUM	27	24	26
	3-4	1.25	1.83	HEAVY	32	27	29
	4-8	1.5	1.83	HEAVY	32	32	34

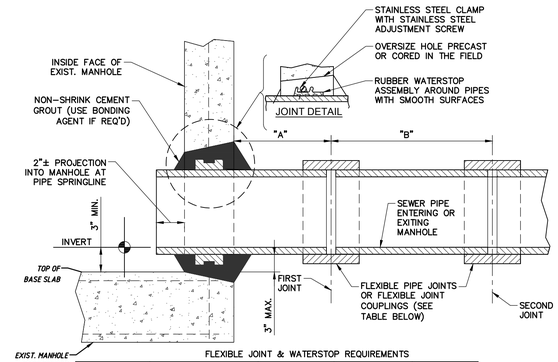
NOTES:

1. ONLY PROVIDE STONE APRON WHERE SHOWN ON THE UTILITY PLAN.
2. MATERIALS SHALL CONTAIN A SUFFICIENT AMOUNT OF STONES SMALLER THAN THE AVERAGE STONE SIZE TO FILL THE SPACES BETWEEN THE STONES.
3. HEAVIER GRADING OF THIS ITEM MAY BE REQUIRED AS NOTED ON PLAN.

8 STONE LINED APRON FOR PIPE OUTLET AT TOE OF SLOPE

SCALE: N.T.S.





FLEXIBLE JOINT & WATERSTOP REQUIREMENTS

SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A" DISTANCE (FEET)	"B" DISTANCE (FEET)	MH WATER STOP REQ'D
DUCTILE IRON	STD RUBBER GASKET PIPE JOINT ONLY	10' MAX.	NO LIMIT	YES
PVC	SPECIAL FLEXIBLE JOINT COUPLING	1' MAX.	3' MAX.	YES

NOTES:

1. THIS DETAIL SHALL BE USED AT NO EXTRA COST IN PLACE OF EITHER OF THE PIPE-TO-MANHOLE CONNECTION DETAILS ONLY WHEN CONNECTING TO EXISTING MANHOLES THAT HAVE NO FLEXIBLE RUBBER BOOT PROVIDED.
2. REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.

9 PIPE CONNECTION TO MANHOLE CEMENT GROUT SEAL WITH WATER STOP

SCALE: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER: 45679 - C

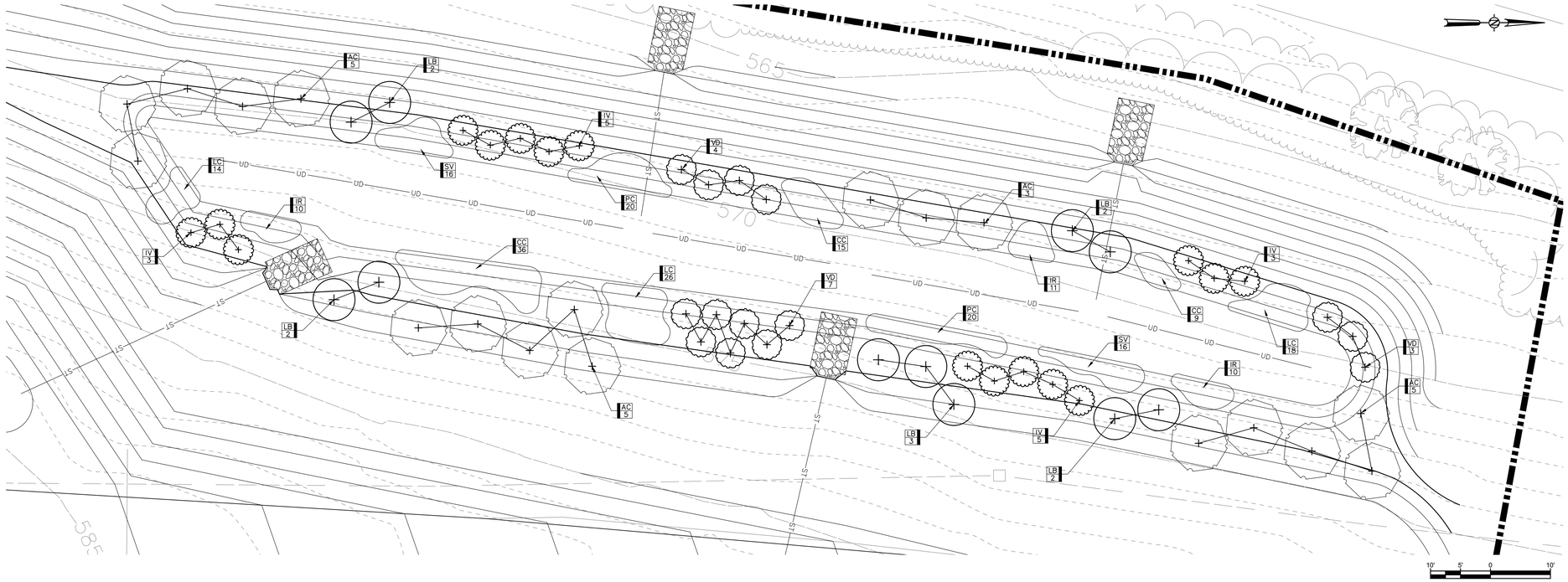
DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE:
TYPICAL SITE DETAILS

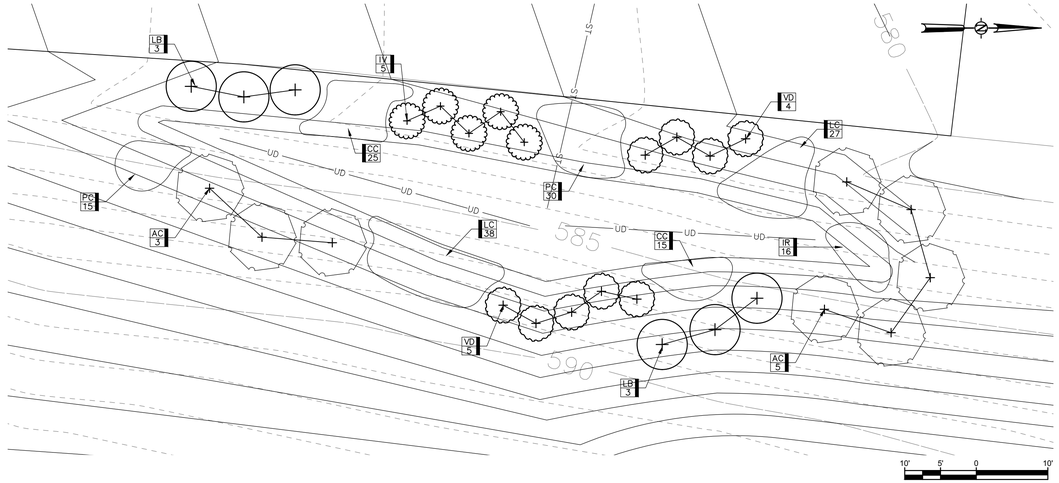
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C-0502

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36x24 PLOT SHEET

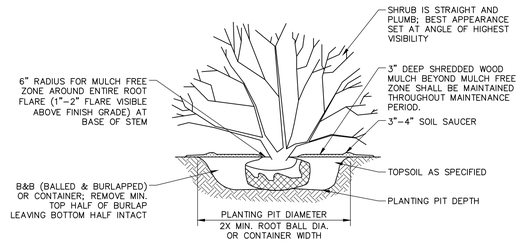


1 BIORETENTION AREA 1 ENLARGEMENT PLAN
SCALE: 1" = 10'

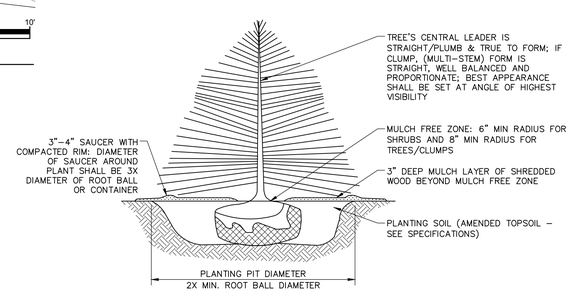


2 BIORETENTION AREA 2 ENLARGEMENT PLAN
SCALE: 1" = 10'

PLANT SCHEDULE						
SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS
TREES						
AC	AMELANCHIER 'AUTUMN BRILLIANCE'	SERVICEBERRY	8'–10' CLUMP	B&B	AS SHOWN	SEE DETAIL 4/C0506
SHRUBS						
IV	ILEX VERTICILLATA 'RED SPRITE'	WINTERBERRY	18"–24"	#5 CONT	5' O.C.	SEE DETAIL 3/C0506
LB	LINDERA BENZOIN	SPICEBUSH	24"–30"	#5 CONT	6'–8' O.C.	SEE DETAIL 3/C0506
VD	VIBURNUM DENTATUM 'BLUE MUFFIN'	ARROWWOOD VIBURNUM	24"–30" HGT	#5 CONT	5' O.C.	SEE DETAIL 3/C0506
GROUND COVERS, GRASSES AND PERENNIALS						
CC	CALAMAGROSTIS CANADENSIS	BLUE JOINT		2" PLUG	24" OC	
IR	IRIS VERSICOLOR	BLUE FLAG IRIS		2" PLUG	24" O.C.	
LC	LOBELIA CARDINALIS	CARDINAL FLOWER		2" PLUG	24" OC	
PC	PONTEDERIA CORDATA	PICKERALWEED		2" PLUG	24" OC	
SV	SCRIPUS VALIDUS	SOFT–STEM BULRUSH		2" PLUG	24" OC	



3 SHRUB PLANTING DETAIL (EVERGREEN OR DECIDUOUS)
SCALE: N.T.S.



4 TREE PLANTING DETAIL (EVERGREEN OR DECIDUOUS)
SCALE: N.T.S.

TREE AND SHRUB PLANTING NOTES:

1. DIG PIT WIDTH TO DIMENSIONS SHOWN.
2. REMOVE STONES 2" AND LARGER FROM EXCAVATED PLANT PIT SOIL AND EXCAVATED PIT AREA.
3. DIG PIT DEPTH SAME AS ROOT BALL OR CONTAINER DEPTH.
4. SET ROOT BALL (REMOVE ROOT BALL FROM CONTAINERS) IN CENTER OF PIT SO TOP OF ROOT BALL WHERE ROOTS FLARE OUT (ROOT FLARE/COLLAR) IS 1–2 INCHES ABOVE FINISH GRADE AND VISIBLE (NOT COVERED WITH SOIL); THE REST OF THE REMAINING TOP OF ROOT BALL SHALL BE FLUSH WITH FINISH GRADE AND COVERED WITH PLANTING SOIL (TOPSOIL, SEE SPECIFICATIONS).
5. IF PLANT IS A CONTAINER: SLIGHTLY LOOSEN EDGES AROUND ROOT BALLS: IF PLANT IS B&B: CUT OFF ALL WIRE/ROPE ETC. AROUND ROOT BALL AND DISPOSE OF PROPERLY; FOLD BACK TOP HALF TO TWO–THIRDS OF ROOT BALL LOOSENING ROOT FIBERS AT EXPOSED EDGES; KEEP REMAINING BOTTOM PORTION OF ROOT BALL IN BURLAP INTACT; APPLY ROOT ENHANCER AND FERTILIZER TO ALL B&B AND CONTAINER TREES, CLUMPS, AND SHRUBS.
6. SET PLANT STRAIGHT AND PLUMB FROM ALL ANGLES; MAKE SURE ROOT BALL IS NOT DRY–MOISTEN IF NEEDED; INSTALL AS SPECIFIED; BACKFILL WITH APPROVED TOPSOIL PARTIALLY; CHECK AGAIN TO ASSURE PLANT IS STRAIGHT AND PLUMB ADJUSTING AGAIN FOR APPROVAL; FINISH BACKFILL WITH APPROVED TOPSOIL; SMOOTH OUT EXCAVATION AREA AND CREATE 3"–4" HT. SAUCER FOR WATERING ZONE.
7. INSTALL CONSTRUCTION FENCE (SEE SPECIFICATIONS) TO PROTECT PLANTED AND SEEDED AREAS IMMEDIATELY AFTER INSTALLATION IS APPROVED.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
	09/25/2017	ADDENDUM DRAWING

PROJECT NUMBER:	45679 – C
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BIORETENTION ENLARGEMENT PLAN

DRAWING NUMBER:
C–0507

SHEET OF

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36x24 PLOT SHEET

GENERAL REMOVAL NOTES

1. GENERAL REMOVAL NOTES ARE TYPICAL FOR ALL REMOVAL DRAWINGS.

2. ASBESTOS, LEAD, AND/OR OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING. COORDINATE ACCORDINGLY WITH THE HAZMAT ABATEMENT CONTRACTOR'S WORK FOR ALL REMOVALS AND ALL OTHER TRADES.

3. NOTIFY DIRECTOR'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPENCIES IN THE DRAWINGS REGARDING THE REMOVAL OF POTENTIALLY LOAD BEARING STRUCTURAL ELEMENTS NOT DOCUMENTED OR DETAILED AS SUCH.

4. SEE REMOVAL KEY NOTES ON REMOVAL DRAWINGS FOR SPECIFIC REMOVALS.

5. REMOVE ITEMS LISTED/NOTED TO BE REMOVED IN THEIR ENTIRETY, UNLESS NOTED OTHERWISE.

6. AT ALL PARTITION, STRUCTURAL, AND/OR FLOOR REMOVALS PROVIDE TEMPORARY SHORING/BRACING AS REQUIRED TO MAINTAIN STABILITY AND SOUNDNESS OF EXISTING TO REMAIN CONSTRUCTION.

7. ALL REMOVALS SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER, AVOIDING DAMAGE TO ADJACENT SURFACES TO REMAIN AND TO FACILITATE THE SUBSEQUENT PATCHING AND RESTORATION OF THE SURFACES.

8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE APPROPRIATELY PROTECTED FOR THE DURATION OF THE CONSTRUCTION PERIOD. ANY DAMAGES INCURRED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING CONSTRUCTION AND FINISHES AT THE CONTRACTOR'S EXPENSE.

9. WHEN WORKING WITH EXISTING TO REMAIN COMPONENTS THAT ARE INDICATED TO CONTAIN LEAD ON THE EXISTING HAZARDOUS MATERIAL INFORMATION SURVEYS, REPORTS, AND/OR DRAWINGS, THE CONTRACTOR SHALL IMPLEMENT PROGRAMS AND PROCEDURES WHICH COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS THAT ARE APPLICABLE TO LEAD PAINT.

10. REMOVE, PROTECT, STORE, AND RE-INSTALL ANY ITEMS AS NOTED ON THE DRAWINGS.

11. AT ALL FLOOR FINISH REMOVALS, REMOVE ALL EXISTING FLOOR FINISHES, MASTICS, MUD SET, ADHESIVES, FASTENERS, ETC. DOWN TO EXISTING CONCRETE SLAB. CONTRACTOR TO PREPARE SLAB FOR NEW FINISHES WITH COMPATABLE SLAB PREP MATERIALS.

12. AT ALL FLOOR FINISH REMOVALS AND WALL REMOVALS, INFILL AND PATCH SLAB TO MATCH EXISTING ADJACENT SLAB ELEVATION WITH NEW FLASH PATCH TRANSITION SO THAT ALL NEW FLOOR FINISHES ARE FLUSH, VERIFY IN FIELD.

13. AT ALL FLOOR FINISH REMOVALS, REMOVE EXISTING WALL BASE UNLESS NOTED OTHERWISE.

14. AT ALL EXISTING CONCRETE FLOOR SLABS THAT ARE TO RECEIVE FLOOR FINISHES, PREP SLAB SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FLOOR FINISH/ACCESSORY MANUFACTURER AND THE FLOOR FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

15. AT ALL EXISTING WALLS AND CEILINGS THAT ARE TO RECEIVE FINISHES, PREP SUBSTRATE SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FINISH/ACCESSORY MANUFACTURER AND THE FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

16. AT ALL CEILING REMOVALS, REMOVE ALL LAYERS OF EXISTING CEILINGS AND HARDWARE AND ACCESSORIES. EXISTING CEILING SYSTEM TO BE REMOVED INCLUDES BUT IS NOT LIMITED TO A METAL FRAMING SUPPORT SYSTEM, 5/8" GWB, AND AN ADHERED ACCOUSTICAL CEILING TILE SYSTEM.

17. COORDINATE ALL REMOVAL WORK WITH OVERALL PROJECT PHASING AND EXTENT OF ALL NEW WORK.

18. FIELD VERIFY ALL REMOVAL SCOPE. SOME ITEMS TO BE REMOVED MAY NOT BE REPRESENTED VISUALLY.

19. OBJECTS SHOWN ON SPECIFIC REMOVAL PLANS WITH A "DASHED" LINE ARE TO BE REMOVED IN THEIR ENTIRETY BACK TO SOUND STRUCTURE AND IN SOME CASES REMOVED TEMPORARILY FOR FUTURE RE-INSTALLATION. ADEQUATE CARE SHALL BE TAKEN TO PRESERVE ALL ADJACENT FINISHES/WALLS ETC. TO REMAIN.

20. IN LOCATIONS RECEIVING FLOORING GRIND SMOOTH & PATCH EXISTING CONCRETE FLOOR. REFER TO TO MANUFACTURERS RECOMMENDATIONS FOR FLOOR PREPARATION REQUIREMENTS.

GENERAL NOTES

1. GENERAL NOTES ARE TYPICAL FOR ALL DRAWINGS.

2. EXISTING CONDITIONS NOTED ARE AS OF SURVEY. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. RESOLVE ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS WITH THE DIRECTOR'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS SHALL BE COORDINATED AND RESOLVED BY THE CONTRACTOR.

3. DO NOT SCALE THE DRAWINGS. DIRECT DIMENSIONAL DISCREPANCIES AND QUESTIONS TO THE DIRECTOR'S REPRESENTATIVE. CENTER PARTITIONS ON COLUMNS OR MULLIONS UNLESS OTHERWISE NOTED, OR USE "EQUAL/EQUAL" AND ALIGN SURFACES TO LOCATE PARTITIONS. OBTAIN DIRECTION BEFORE PROCEEDING WITH THE WORK.

4. FIELD VERIFY DIMENSIONS FOR ALL OPENINGS FOR INFILLS, WINDOWS, DOORS, AND LOUVERS.

5. MECHANICAL/PLUMBING CHASE DIMENSIONS AT CMU CONSTRUCTION ARE TO/FROM FACE OF CMU AND INDICATE CLEAR DIMENSIONS. COORDINATE EXACT SIZE AND LOCATIONS WITH HVAC AND PLUMBING DRAWINGS.

6. INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS' INSTRUCTIONS.

7. LOCATE ALL EXISTING UTILITIES AND SERVICES PRIOR TO START OF WORK.

8. PROTECT FROM DAMAGE ALL ADJACENT AREAS AND PROPERTIES, INCLUDING BUT NOT LIMITED TO LANDSCAPING AND EXTERIOR & INTERIOR BUILDING SURFACES, FIXED-FURNITURE, SHELVING, MILLWORK, ETC.

9. AT ALL EXISTING SURFACES TO REMAIN, FULLY REPAIR AND PREPARE SURFACE TO RECEIVE FINISHES INCLUDING BUT NOT LIMITED TO FILLING HOLES, REPAIR CRACKS, REMOVE PAINT, FIX/PATCH AND REPAIR ALL UNSOUND MATERIAL, MAKING FINISHED SURFACES FLUSH AND SMOOTH WITH ADJACENT FINISHED SURFACES.

10. REPAIR AND PATCH ALL EXISTING SURFACES DAMAGED BY REMOVALS TO MATCH EXISTING ADJACENT SURFACE MATERIALS AND FINISH AND CONSTRUCTION TYPE / DEPTH.

11. METAL STUD PARTITION DIMENSIONS SHOWN ARE FROM FACE OF STUD TO FACE OF STUD UNLESS OTHERWISE NOTED. MASONRY WALL PARTITIONS ARE DIMENSIONED FACE OF MASONRY TO FACE OF MASONRY UNLESS OTHERWISE NOTED. FIELD VERIFY ALL DIMENSIONS. DIMENSIONS NOTED "CLEAR" ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF ARCHITECT. ALL DIMENSIONS ARE IN FEET AND INCHES.

12. THESE DRAWINGS ARE PREPARED AND COORDINATED WITH THE PROJECT MANUAL WHICH INCLUDES TECHNICAL SPECIFICATIONS. TOGETHER THESE FORM THE CONSTRUCTION DOCUMENTS.

13. CHALK LINE ALL PARTITION LAYOUTS AND COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO SCHEDULE REVIEW WITH ARCHITECT PRIOR TO CONSTRUCTING PARTITIONS

14. PROVIDE CONTINUOUS METAL OR FIRE TREATED WOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF ALL WALL MOUNTED EQUIPMENT, TOILET ACCESSORIES AND GRAB BARS, CABINETS, SHELVING, WOOD CHAIR RAIL, WALL BUMPERS, WALL MOUNTED HAND RAILS, WOOD BASE AND CROWN MOULDINGS.

15. PROVIDE 3/4" FRT PLYWOOD AT ALL ELECTRICAL AND TELEPHONE/COMMUNICATION/CONTROL CLOSETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS FOR EXACT LOCATIONS.

16. UNLESS OTHERWISE SPECIFIED, PAINT ALL ACCESS DOORS TO MATCH ADJACENT COLOR AND PAINT TYPE.

17. PAINT ALL DOOR AND WINDOW STEEL LINTELS PAINT TYPE EAL-4 OVER ESP PRIMER.

18. PROVIDE CONTROL JOINTS AT INTERIOR CONCRETE MASONRY UNIT PARTITIONS AT 25'-0" ON CENTER MAXIMUM, OR AS INDICATED ON DRAWINGS.

19. PROVIDE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM FOR ALL GWB WALLS AND AT 50 FOOT O.C. MAXIMUM, WITH AREAS NOT TO EXCEED 2,500 SQ. FT. FOR ALL CEILINGS, OR AS INDICATED ON DRAWINGS.

20. LOCATE DOORS WITH 4" CLEAR FROM HINGE SIDE JAMB TO PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.

21. DURING CONSTRUCTION, ALTERATION AND REMOVAL, COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 (INTERNATIONAL FIRE CODE) CHAPTER 33, (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.)

22. DURING CONSTRUCTION, ALTERATION AND REMOVALS, COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 CHAPTER 3, SECTION 307 AND 308 (OPEN BURNING AND OPEN FLAMES).

23. PARTITION TYPES ARE REFERENCED ON THE CONSTRUCTION PLANS AND ARE DESCRIBED ON THE INTERIOR PARTITION TYPES SHEET.

24. ALL NEW PARTITIONS TO TERMINATE AT UNDERSIDE OF SLAB OR DECK ABOVE, UNLESS NOTED OTHERWISE.

25. ALL EXISTING CONDITIONS DAMAGED FROM EQUIPMENT REMOVAL TO BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING.

26. ALL INTERIOR DOOR FRAMES TO BE INSTALLED WITHIN CMU WALLS TO BE NON-GROUTED UNLESS NOTED OTHERWISE.

27. PROVIDE ALL PRESSURE TREATED WOOD BLOCKING AND SHIMS AS REQUIRED FOR SUPPORT AND INSTALLATION OF WINDOWS AND DOORS.

28. PROVIDE CONTINUOUS FULL DEPTH FIBERGLASS BATT INSULATION IN THE VOIDS BETWEEN WINDOWS AND DOORS AND THE WALL CONSTRUCTION.

29. PROVIDE CONTINUOUS SEALANT AT ALL JOINTS WHERE NEW WINDOW AND DOOR FRAMES BUTT INTO THE WALL CONSTRUCTION.

30. PROVIDE CONTINUOUS TYPE 6 SECURITY SELANT UNLESS NOTED OTHERWISE.

SEALANT SCHEDULE

TYPE	USE / APPLICATION
1	AT EXTERIOR ENVELOPE JOINT CONDITIONS SUCH AS WINDOW, LOUVER, DOOR FRAME, & MASONRY CONTROL JOINTS / EXPANSION JOINTS AND OTHER SIMILIAR.
1A	AT INTERSECTION OF EXTERIOR CONCRETE WALKS & BUILDING FACADE / FOUNDATION.
5	AT INTERIOR SMOKE PARTITIONS - REFER TO CODE COMPLIANCE DRAWINGS FOR SMOKE PARTITIONS.
6	AT TYPICAL INTERIOR LOCATIONS NOT INDICATED HERE AS ANOTHER SEALANT TYPE.
8	AT AIR GAPS AROUND WINDOWS FRAMES, DOOR FRAMES, ROUGH OPENINGS, AND/OR AS INDICATED ON THE DRAWINGS.

ARCHITECTURAL ABBREVIATIONS

A	
AAF	ABOVE ACCESS FLOOR
ABV	ABOVE
ACCES	ACCESSIBLE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN, ACCESS DOOR
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFL	ACCESS FLOOR(ING)
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURE (URE,URAL)
AS	ABOVE SLAB
ASPH	ASPHALT
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
B/C	BOTTOM OF CURB
BALC	BALCONY
BD	BOARD
BEL	BELOW
BET	BETWEEN
BKBD	BACKBOARD
BLDG	BUILDING
BLKG	BLOCKING
BLKHD	BULKHEAD
BM	BEAM
BOD	BASIS OF DESIGN
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMT	BASEMENT
BUR BYD	BUILT-UP ROOF BEYOND
C	CONDUIT
CAB	CABINET
CAP	CAPACITY
CAT	CATALOG
CB	CATCH BASIN
CEM	CEMENT
CF	CUBIC FOOT
CI	CAST IRON
CJ	CONTROL JOINT
CLG	CEILING (SEE ALSO MECH ABBREVIATIONS)
CLL	CONTRACT LIMIT LINE
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT

ARCHITECTURAL ABBREVIATIONS

CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENS(ATE,ER,ING,ATION)
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINU(OUS,ATION)
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CW	COLD WATER
CWR	COLD WATER RETURN
CY	CUBIC YARD
CYL	CYLINDER
DET	DETAIL
DRWR	DRAWER
DS	DOWNSPOUT
DWGS	DRAWINGS
EF	EXHAUST FAN
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOS(ES,URE)
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPX	EPOXY
EQ	EQUAL
EQUIP/EQPT	EQUIPMENT
ETR	EXISTING TO REMAIN
ETRL	EXISTING TO BE RELOCATED
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
F/C	FLOOR TO CEILING
FAI	FRESH AIR INTAKE
FB	FOILBACKED
FBR	FABRIC
FD	FLOOR DRAIN, FIRE DAMPER
FDN, FOUND	FOUNDATION
FDVC	FIRE DEPT. VALVE CABINET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FIN	FINISH(ED)
FL, FLR	FLOOR
FLAM	FLAMMABLE
FLOUR	FLOURECENT
FO	FIBER OPTIC(S)

ARCHITECTURAL ABBREVIATIONS

FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOP	FACE OF PILASTER
FP	FIRE PROTECTION, FILLER PANEL
FRT	FIRE RETARDANT TREAT(ED,MENT)
FS	FLOOR SINK
FSACCP	FLAT SEAM ALLOY - COATED COPPER PANEL
FT	FEET, FOOT, FULL TIME
FTG	FOOTING
GC	GENERAL CONTRACTOR
HTR	HEATER
HVAC	HEATING,VENTILATION, AIR CONDITIONING
HW	HOT WATER
HWD	HARDWOOD
HWR	HOT WATER RETURN
I.E.	THAT IS
ID	INSIDE DIAMETER
IN	INTERIOR
INV	INVERT(ED)
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
JG	JAMB GUARD
JT	JOINT
JTS	JOINTS
KS	KNEE SPACE, KICK SPACE
LAM	LAMINATED
LAV	LAVATORY
LGMF	LIGHT GAUGE METAL FRAMING
LIN	LINEN
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
MB	MARKER BOARD
MEJ	MASONRY EXPANSION JOINT
MTD	MOUNT(ED)
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OPG	OPENING

ARCHITECTURAL ABBREVIATIONS

OPP	OPPOSITE
OZ	OUNCE
P	POLE
PB	PULL BOX
PCC	PRECAST CONCRETE
PD	PRESSURE DROP
PH	PHASE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POLY	POLYCARBONATE
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RISER LINE
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
RESIL	RESILIENT
RLE	RELOCATE EXISTING
RM	ROOM
RTU	ROOF TOP UNIT
S&R	SHELF & ROD
SB	SMART BOARD
SC	SPECIAL COATING, SOLID CORE
SD	SOAP DISPENSER
SF	SQUARE FOOT/FEET
SG	SAFTEY GLASS
SHT	SHEET
SIM	SIMILAR
SLD	SEALED
SOG	SLAB ON GRADE
SP	SUMP PUMP
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
ST	STORM SEWER, STONE, STAIN
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCUR(E, AL)

ARCHITECTURAL ABBREVIATIONS

SUSP	SUSPEND(ED)
SYS	SYSTEM
T	THREAD
T&B	TOP & BOTTOM
T&G	TOUNGE & GROOVE
T/	TOP OF
T/C	TOP OF CONCRETE
T/F	TOP OF FRAME
T/S	TOP OF STEEL
T/W	TOP OF WALL
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZO
THK	THICK
THR	THRESHOLD
TOIL	TOILET
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERUPTABLE POWER SUPPLY
UTIL	UTILITY
VAR	VARIABLE
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FEILD
VIN	VINYL
VT	VAPOR TIGHT
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WIDE, WIDTH, WATER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WATERPROOF
WT	WEIGHT
WTC	WATER COOLER
WTR	WATER

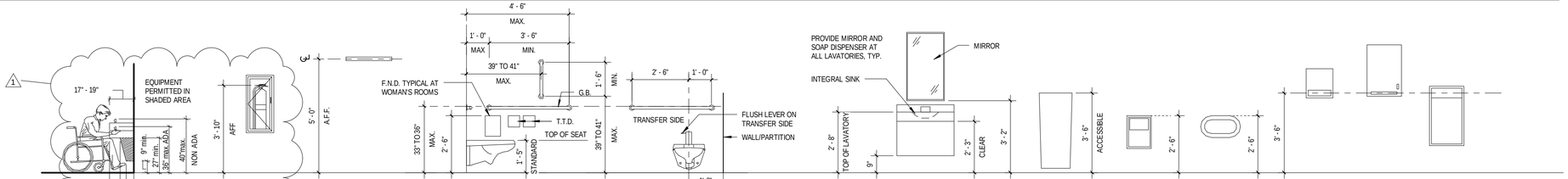
NAME
S.F.

ROOM NAME & NUMBERS — WALL/ PARTITION TYPES
DOOR NUMBERS — MATERIAL KEY NOTE
COLUMN NUMBERS — CONSTRUCTION KEY NOTE
ELEVATION TARGET — FLOOR BOX
WINDOW/ LOUVER TYPE — FLOOR DRAIN
REVISION NUMBER — CASEWORK TAG
EQUIPMENT TAG

	EXISTING TO BE REMOVED	EXISTING TO REMAIN	WORK
WALL			
DOOR			
WINDOW			
CASEWORK			
MILLWORK			
OPENING			
SINK			

- ALUMINUM
- BATT INSULATION
- BRICK
- COMPACTED BACKFILL
- CONCRETE
- CONCRETE MASONRY UNITS
- EARTH
- FINISH WOOD
- GLASS IN ELEVATION
- GRANDULAR FILL
- GYPSUM WALL BOARD OR GROUT
- PARTICLE BOARD / FIBER BOARD
- PLYWOOD
- RIGID INSULATION / ROOF INSULATION
- ROUGH WOOD BLOCKING (CONTINUOUS)
- ROUGH WOOD BLOCKING (INTERRUPTED)
- STEEL
- STONE (CUT OR CAST)

2 TYPICAL SYMBOLS & ABBREVIATIONS
1/8" = 1'-0"



1 TYP MOUNTING HEIGHTS & ADA-ANSI 117.2009
3/8" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

EYP/

WARNING

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77
TYPICAL SYMBOLS AND ABBREVIATIONS

DRAWING NUMBER:
A - 1001

SHEET OF

INTERNATIONAL EXISTING BUILDING CODE (IEBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**PROVISIONS FOR ALL COMPLIANCE METHODS**		
301.2	COMPLIANCE METHOD	WORK AREA COMPLIANCE METHOD, COMPLY WITH APPLICABLE CHAPTERS 5-13	CHAPTERS 5-9 APPLY, CHAPTER 10-13 DO NOT APPLY (CHANGE OF OCCUPANCY, ADDITIONS, HISTORIC BUILDINGS AND RELOCATED OR MOVED BUILDINGS)
5	**CLASSIFICATION OF WORK**		
505.1	LEVEL 3 ALTERATION	COMPLY WITH CHAPTERS 7-8-9	
7	**ALTERATIONS LEVEL 1**		
702.1.1	INTERIOR FINISHES	COMPLY WITH IBC CHAPTER 8	SEE IBC 803.11, FINISH SCHEDULE AND PROJECT MANUAL
702.2	INTERIOR FLOOR FINISH	COMPLY WITH IBC SECTION 804	SEE IBC 804.2.2; SEE FINISH SCHEDULE AND PROJECT MANUAL
702.3	INTERIOR TRIM	COMPLY WITH IBC SECTION 806	SEE FINISH SCHEDULE AND PROJECT MANUAL FOR COMPLIANCE
702.5	EMERGENCY ESCAPE AND RESCUE WINDOWS	REQUIRED AT R-2 AND R-3	NA - I-3 OCCUPANCY
702.6	MATERIALS AND METHODS	NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE IBC, IECC, IMC AND IPC	
703	FIRE PROTECTION	SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED	SEE 803
704	MEANS OF EGRESS	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS	SEE 804
705.1.7	ACCESSIBLE SLEEPING UNITS (CELLS)	IBC 1107 SHALL APPLY TO THOSE BEING ALTERED. 3% OR 1 WHICH EVER IS GREATER ARE REQUIRED TO BE ACCESSIBLE	5 CELLS CONSIDERED RECONFIGURED, 1 WILL BE ACCESSIBLE
705.1.9	ACCESSIBLE TOILET ROOMS	REQUIRES ACCESSIBLE TOILETS COMPLYING WITH IBC 1109 UNLESS TECHNICALLY INFEASIBLE; IBC 1109.2 PARAGRAPH 3 STATES "WHERE SINGLE USER TOILETS ARE CLUSTERED, MINIMUM OF OF 50%, BUT NOT LESS THAN 1 SHALL BE ACCESSIBLE"	AT NEW RECONFIGURED BATHROOM LOCATIONS IN SLEEPING AREAS - 2 REQUIRED, 2 PROVIDED. AT REMAINDER OF BUILDING, IT IS TECHNICALLY INFEASIBLE TO MAKE ALL TOILET ROOMS ACCESSIBLE DUE TO AREA RESTRICTIONS AND PROGRAM REQUIREMENTS;
705.2	ALTERATION AFFECTING AREA CONTAINING PRIMARY FUNCTION	WHERE ALTERATION AFFECTS THE ROUTE TO PRIMARY FUNCTION SHALL, IT SHALL BE ACCESSIBLE	NO CHANGE TO ROUTES TO PRIMARY FUNCTION
706	REROOFING	COMPLY WITH IBC CHAPTER 15,	WORK COMPLETED UNDER SEPARATE EMERGENCY PROJECT, DOES NOT ALTER CLASSIFICATION LEVEL
707.3.2	ROOF DIAPHRAGMS IN HIGH WIND AREAS	WHEN REROOFING AND V_{ULT} >115 MPH (DETERMINED IN ACCORDANCE WITH FIGURE 1609.3(1) OF THE IBC), AND GREATER THAN 50% REROOFING, REINFORCEMENT REQUIRED	V_{ULT} IS NOT GREATER THAN 115 MPH ACCORDING TO FIGURE 1609.3(1) OF THE IBC
708.1	ENERGY CONSERVATION	NEW ELEMENTS TO COMPLY WITH 2015 IECC	ROOF WORK COMPLETED UNDER SEPARATE EMERGENCY PROJECT, EXTERIOR WALL WORK WILL COMPLY; DOES NOT ALTER CLASSIFICATION LEVEL
8	**ALTERATIONS LEVEL 2**		
801.2	ALTERATIONS LEVEL 1	COMPLY WITH IEBC CHAPTER 7	SEE ABOVE
802	SPECIAL USES AND OCCUPANCIES	COMPLY WITH THIS CHAPTER	I-3 OCCUPANCY IS A SPECIAL USE, BUT NO EXTRA REQUIREMENTS SEE 902
803.2	VERTICAL OPENINGS	1 HOUR ENCLOSURE	NA - ONE STORY BUILDING
803.3	SMOKE COMPARTMENTS	REQUIRED AT I-2 OCCUPANCIES	NA FOR I-3 OCCUPANCIES
803.4.1	SUPPLEMENTAL INTERIOR FINISHES REQUIRED	WHERE WORK AREA EXCEEDS 50% OF A FLOOR, COMPLY WITH 803.4	ALL FINISHES WILL BE NEW AND MEET CURRENT INTERIOR FINISH REQUIREMENTS, SEE FINISH SCHEDULE AND PROJECT MANUAL FOR COMPLIANCE
803.6	EXISTING FIRE RESISTANCE RATINGS	WHERE SPRINKLERS ARE ADDED THROUGHOUT, FIRE RESISTANCE RATINGS OF BUILDING ELEMENTS AND MATERIALS SHALL BE PERMITTED TO MEET THE REQUIREMENTS OF THE CURRENT BUILDING CODE.	EXISTING CORRIDORS AT SLEEPING AREAS WILL BE REDUCED TO SMOKE TIGHT PERMITTED UNDER IBC 408.8.2
804.2.3	AUTOMATIC SPRINKLERS AT WINDOWLESS BUILDINGS	IBC408.9 CONSIDERS A BUILDING WINDOWLESS IF THE WINDOWS ARE NONOPERABLE AND NON BREAKABLE	WINDOWS ARE FIXED AND LAMINATED SECURITY GLAZING; A SPRINKLER SYSTEM WILL BE ADDED
804.3	STANDPIPES	WHERE THE WORK AREA INCLUDES EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT AND IS LOCATED MORE THAN 50 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS, A STANDPIPE SYSTEM SHALL BE PROVIDED.	NR - SINGLE TENANT AND WORK AREA LESS THAN 50 ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS
804.1	CORRIDOR RATINGS	WHERE AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANCE RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE IBC	EXISTING CORRIDORS AT SLEEPING AREAS WILL BE REDUCED TO SMOKE TIGHT PERMITTED UNDER IBC 408.8.2
804.4.1.4	FIRE ALARM AND DETECTION - I-3 OCCUPANCY	A FIRE ALARM SYSTEM SHALL BE INSTALLED IN WORK AREAS OF GROUP I-3 OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE.	MANUAL ALARM SYSTEM AND SMOKE DETECTION SYSTEM IS PROVIDED - SEE DRAWING E-1102. SMOKE DETECTION IS PROVIDED THROUGHOUT, EXCEPT SLEEPING ROOMS AS PERMITTED BY IFC 907.2.6.3.3. EXCEPTION 3.
805.1	MEANS OF EGRESS	REQUIREMENTS OF THIS SECTION SHALL BE LIMITED TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED	WORK AREA IS OCCUPIED BY A SINGLE TENANT, OCFS
805.3	NUMBER OF EXITS	EVERY STORY WHERE A WORK AREA INCLUDES EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA SHALL BE PROVIDED WITH THE MINIMUM NUMBER OF EXITS BASED ON THE OCCUPANCY AND THE OCCUPANT LOAD IN ACCORDANCE WITH THE IBC	NR - WORK AREA IS OCCUPIED BY A SINGLE TENANT; EXISTING BUILDING HAS 6 EXITS.
805.4.1.1	TWO EGRESS DOORWAYS	IN ANY WORK AREA, ALL ROOMS AND SPACES HAVING AN OCCUPANT LOAD GREATER THAN 50 OR IN WHICH THE TRAVEL DISTANCE TO AN EXIT EXCEEDS 75 FEET SHALL HAVE A MINIMUM OF TWO EGRESS DOORWAYS.	TRAVEL DISTANCE GREATER THAN 50' AT MAIN ACTIVITY ROOM WITH 60 OCCUPANTS, 2 EGRESS DOORS PROVIDED; SEE CODE COMPLIANCE DRAWINGS
805.4.2	DOOR SWING	ALL EGRESS DOORS SERVING AN OCCUPANT LOAD GREATER THAN 50 SHALL SWING IN THE DIRECTION OF EXIT TRAVEL.	NO DOOR HAS AN OCCUPANT LOAD GREATER THAN 50, SEE CODE COMPLIANCE DRAWINGS
805.4.3	DOOR CLOSING	EXIT PASSAGEWAY AND STAIR DOORS SHALL BE SELF CLOSING	NA - NO STAIRS OR EXIT PASSAGEWAYS IN PROJECT
805.4.5	EMERGENCY POWER SOURCE IN GROUP I-3 DOOR HARDWARE	POWER OPERATED LOCKS FOR SWINGING DOORS SHALL BE OPERABLE BY A MANUAL RELEASE MECHANISM AT THE DOOR, AND BE CONNECTED TO EMERGENCY POWER SYSTEM	DOORS ON EMERGENCY POWER SYSTEM
805.5	CORRIDOR DOORS	CORRIDOR DOORS IN THE WORK AREA SHALL NOT BE CONSTRUCTED OF HOLLOW CORE WOOD AND SHALL NOT CONTAIN LOUVERS.	CORRIDOR DOORS AT SLEEPING AREAS ARE STEEL AND WILL COMPLY WITH IBC SECTION 408.2.4 - SMOKE TIGHT WITH NO CLOSER OR LATCH
805.6	DEAD END CORRIDORS	SHALL NOT EXCEED 70 FEET FOR SPRINKLERED BUILDING	NO DEAD ENDS SEE CODE COMPLIANCE PLANS FOR COMPLIANCE
805.7	MEANS OF EGRESS LIGHTING	SHALL BE IN ACCORDANCE WITH THE IBC	ALL LIGHTING WILL BE NEW AND COMPLY WITH IBC, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
805.8	EXIT SIGNS	SHALL BE IN ACCORDANCE WITH THE IBC	ALL EXIT SIGNS WILL BE NEW AND WILL COMPLY WITH IBC, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
805.9	HANDRAILS	NEW HANDRAILS SHALL BE PROVIDED OR EXISTING HANDRAILS IN DANGER OF COLLAPSING REPLACED AT STAIRS	NA - NO STAIRS OR RAMPS
805.10	AREA OF REFUGE I-3 OCCUPANCIES	THE REQUIRED CAPACITY OF THE REFUGE AREAS FOR SMOKE COMPARTMENTS IN ACCORDANCE WITH SECTION 408.6.2 OF THE IBC SHALL BE MAINTAINED	MAIN DAY ACTIVITY ROOMS AND CORRIDORS IN SLEEPING AREAS PROVIDE SAME AREAS AS PRIOR TO ALTERATIONS.
805.11	GUARDS (FOR STAIRS AND RAMPS)	ANY ELEVATED SLAB GREATER THAN 30" OR ANY RISE >30" OR EXISTING GUARDS IN DANGER OF COLLAPSING REQUIRE REPLACEMENT OR ADDITION OF GUARDS	NA - NO STAIRS OR RAMPS
806.1	ACCESSIBILITY GENERAL	NEW OR ALTERED ELEMENTS SHALL COMPLY WITH 705	SEE 705
807.2	NEW STRUCTURAL ELEMENTS	SHALL COMPLY WITH IBC	NEW ELEMENTS COMPLY
807.3	MINIMUM DESIGN LOADS	EXISTING ELEMENTS NOT SUPPORTING ADDITIONAL LOADS SHALL BE THE LOADS APPLICABLE AT THE TIME THE BUILDING WAS CONSTRUCTED	NO CHANGE TO LOADS
807.4	EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS.	ALTERATIONS SHALL NOT REDUCE THE CAPACITY OF EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENTS UNLESS DEMONSTRATED TO HAVE SUCH THE CAPACITY. EXISTING STRUCTURAL ELEMENTS SUPPORTING ANY ADDITIONAL GRAVITY LOADS DUE TO ALTERATIONS, INCLUDING THE EFFECTS OF SNOW DRIFT, SHALL COMPLY WITH THE IBC	EXISTING STRUCTURAL ELEMENTS THAT DO NOT MEET STRENGTH & DEFLECTION REQUIREMENTS WITH IBC SNOW DRIFT AS A RESULT OF NEW ROOF INSULATION HAVE BEEN REINFORCED TO COMPLY WITH IBC.
807.5	EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS.	EXCEPT AS PERMITTED, WHERE ALTERATIONS INCREASES DESIGN LATER LOADS, OR WHERE ALTERATION RESULTS IN PROHIBITED STRUCTURAL IRREGULARITY AS DEFINED IN ASCE 7, OR WHERE THE ALTERATION DECREASES THE CAPACITY OF ANY EXISTING LATERAL LOAD-CARRYING STRUCTURAL ELEMENT, THE STRUCTURE OF THE ALTERED BUILDING OR STRUCTURE SHALL BE SHOWN TO MEET THE WIND AND SEISMIC PROVISIONS OF THE IBC.	ALTERATIONS DO NOT INCREASE DESIGN LATERAL LOADS OR REDUCE CAPACITY OF LATERAL RESTRAINT SYSTEM.
808.1	ELECTRICAL, ALL NEW INSTALLATIONS	SHALL COMPLY WITH NFPA 70 (NEC)	COMPLY; REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
808.2	ELECTRICAL, EXISTING INSTALLATIONS	EXISTING WIRING IN ALL WORK AREAS IN GROUP A-1, A-2, A-5, H AND I OCCUPANCIES SHALL BE UPGRADED TO MEET THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 7.	COMPLY; REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
809.1	MECHANICAL	RECONFIGURED OR NEW ELEMENTS SHALL COMPLY WITH INTERNATIONAL MECHANICAL CODE	COMPLIES; REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
809.2	MECHANICAL, ALTERED EXISTING SYSTEMS	IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CFM PER PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM OF VENTILATION AIR PER PERSON, OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62.	COMPLIES; OUTDOOR AIR CFM IS CALCULATED PER ASHRAE 62.1 SEE MECHANICAL SCHEDULES AND ASHRAE 62.1 CALCULATIONS FOR COMPLIANCE
809.3	MECHANICAL, LOCAL EXHAUST	ALL NEWLY INTRODUCED DEVICES, EQUIPMENT, OR OPERATIONS THAT PRODUCE AIRBORNE PARTICULATE MATTER, ODORS, FUMES, VAPOR, COMBUSTION PRODUCTS, GASEOUS CONTAMINANTS, PATHOGENIC AND ALLERGENIC ORGANISMS, AND MICROBIAL CONTAMINANTS IN SUCH QUANTITIES AS TO AFFECT ADVERSELY OR IMPAIR HEALTH OR CAUSE DISCOMFORT TO OCCUPANTS SHALL BE PROVIDED WITH LOCAL EXHAUST.	COMPLIES; EXHAUST SYSTEMS ARE DESIGNED AND SPECIFIED IN ALL NEW TOILET ROOMS. SEE MECHANICAL DRAWINGS FOR COMPLIANCE
810.1	MINIMUM PLUMBING FIXTURES	WHERE OCCUPANT LOAD IS INCREASED BY MORE THAN 20%, PROVIDE FIXTURES PER IPC	COMPLIES, SAME NUMBER OF RESIDENTS AS PRIOR USE - NUMBER OF FIXTURES PER IPC, RECONFIGURED BATHROOMS EVALUATED FOR NUMBER OF FIXTURES SEE VALUATION THIS SHEET
811.1	NEW CONSTRUCTION ONLY SHALL COMPLY WITH IECC REQUIREMENTS	NEW ELEMENTS SHALL COMPLY WITH IECC REQUIREMENTS	NEW ELEMENTS COMPLY

9	**ALTERATIONS LEVEL 3**		
901.2	ALTERATIONS LEVEL 2	COMPLY WITH IEBC CHAPTER 8	SEE ABOVE
902	SPECIAL USES AND OCCUPANCIES	FOR HIGH RISE BUILDINGS	I-3 OCCUPANCY IS A SPECIAL USE, BUT NO EXTRA REQUIREMENTS
903.1	EXISTING SHAFTS AND VERTICAL OPENINGS	1 HOUR ENCLOSURE FROM HIGHEST WORK AREA FLOOR TO EXIT DISCHARGE	NA - ONE STORY BUILDING
903.2	FIRE PARTITIONS GROUP R-3	SEPARATION OF UNITS FROM FOUNDATION TO ROOF REQUIRED	NA - NO R-3 OCCUPANCY
903.3	INTERIOR FINISHES	FINISHES IN EXITS FROM HIGHEST WORK AREA FLOOR TO EXIT DISCHARGE SHALL COMPLY WITH 803.4 ABOVE	NO ADDITIONAL REQUIREMENT - REFER TO 803.4
904.1	AUTOMATIC SPRINKLERS	REQUIRED IN WORK AREAS	PROVIDED THROUGHOUT - SEE 804.2.3
904.1.1	HIGH-RISE BUILDINGS	SPRINKLERS REQUIRED IN WORK AREAS	NA - ONE STORY BUILDING
904.1.2	RUBBISH AND LINEN CHUTES	SPRINKLERS REQUIRED IN CHUTES AT WORK AREAS	NA - NO CHUTES, ONE STORY BUILDING
904.1.3	UPHOLSTERY OR FURNITURE	SPRINKLERS REQUIRED AT F-1 OR S-1 OCCUPANCIES >2500 SQ. FT., SPRINKLERS REQUIRED AT M OCCUPANCY >5000 SQ. FT.	NA - NO F-1, S OR M OCCUPANCIES
904.2	FIRE ALARM AND DETECTION	A FIRE ALARM SYSTEM AND AUTOMATIC DETECTION SHALL BE INSTALLED PER IBC 907	MANUAL ALARM SYSTEM AND SMOKE DETECTION SYSTEM IS PROVIDED - SEE DRAWING E-1102. SMOKE DETECTION IS PROVIDED THROUGHOUT, EXCEPT SLEEPING ROOMS AS PERMITTED BY IBC 907.2.6.3.3. EXCEPTION 3
905.2	MEANS OF EGRESS LIGHTING	MEANS OF EGRESS FROM HIGHEST WORK AREA FLOOR TO FLOOR OF EXIT DISCHARGE SHALL BE PROVIDED WITH ARTIFICAL LIGHT WITHIN THE EXIT ENCLOSURE IN ACCORDANCE WITH WITH IBC	REQUIREMENT NA- ONE STORY BUILDING REFER TO 805.7 FOR EGRESS LIGHTING SCOPE
905.3	EXIT SIGNS	MEANS OF EGRESS FROM HIGHEST WORK AREA FLOOR TO FLOOR OF EXIT DISCHARGE SHALL BE PROVIDED WITH EXIT SIGNS IN ACCORDANCE WITH WITH IBC	REQUIREMENT NA- ONE STORY BUILDING REFER TO 805.8 FOR EXIT SIGN SCOPE
906.0	ACCESSIBILITY	I-1,2, R,1, R2, R-3 OR R-4 SHALL COMPLY WITH IBC 1107 FOR TYPE B UNITS	NA - I-3 OCCUPANCY
907.2	NEW STRUCTURAL ELEMENTS	SHALL COMPLY WITH IBC	NEW ELEMENTS COMPLY
907.3	EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS.	COMPLY WITH 807.4	SEE 807.4
907.4.4	EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS.	WHERE THE WORK DOES NOT INVOLVE A SUBSTANTIAL STRUCTURAL ALTERATION AND THE BUILDING IS NOT ASSIGNED TO SEISMIC DESIGN CATEGORY F, THE EXISTING ELEMENTS OF THE LATERAL LOAD-RESISTING SYSTEM SHALL COMPLY WITH SECTION 807.5	COMPLIES; LIMITED STRUCTURAL ALTERATION AND SEISMIC DESIGN CAT. B; COMPLY WITH 807.5
907.4.5	WALL ANCHORS FOR CONCRETE AND MASONRY BUILDINGS	REQUIRED FOR SDC D, E AND F FOR REINFORCED MASONRY AND C, D, E AND F FOR UNREINFORCED MASONRY.	WALL ANCHORS NOT REQUIRED, SEISMIC DESIGN CATEGORY IS B

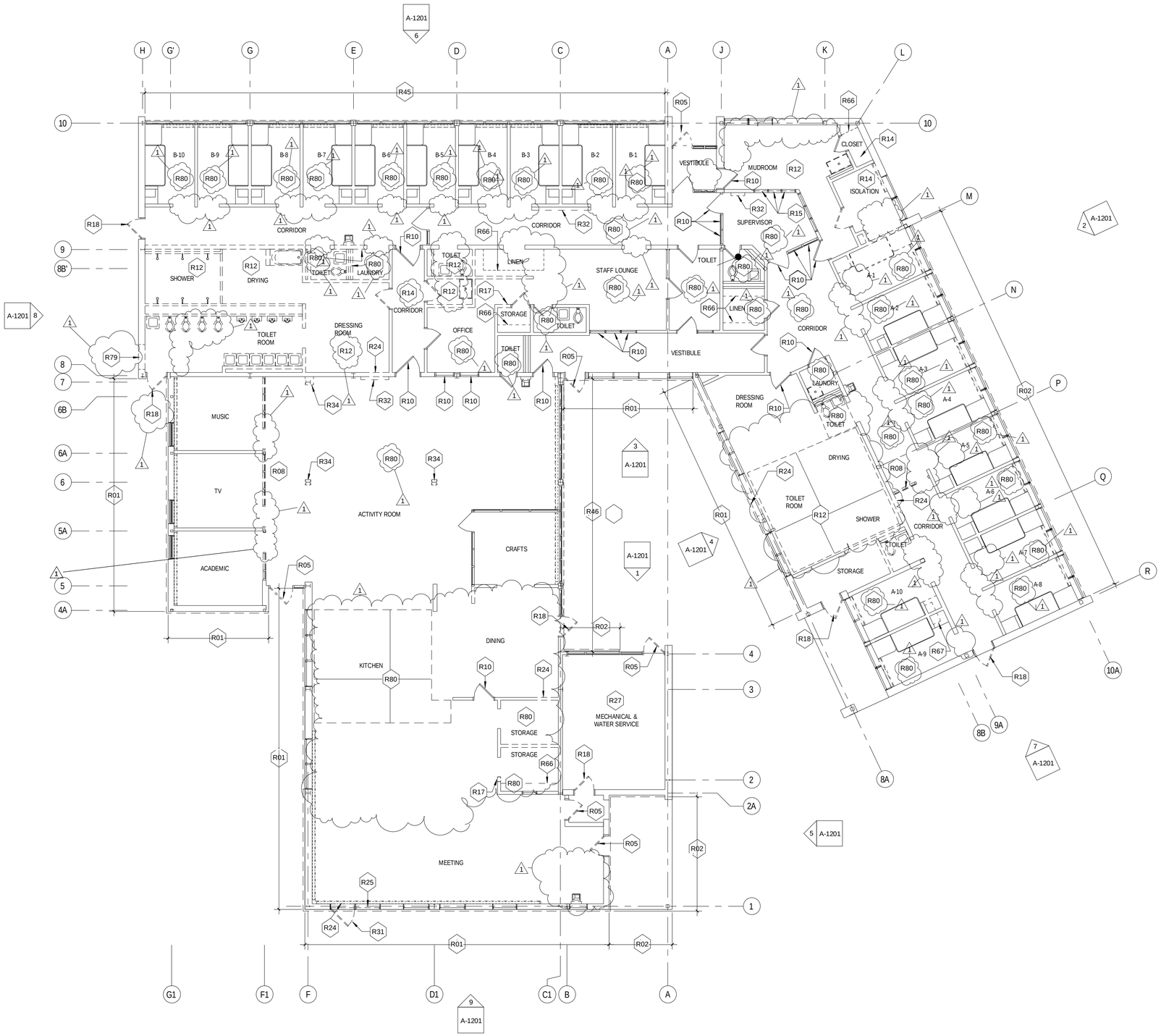
INTERNATIONAL BUILDING CODE (IBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**USE AND OCCUPANCY CLASSIFICATION**		
308.5	OCCUPANCY GROUP	EXISTING I-3 INSTITUTIONAL	NOT ALTERED BY SCOPE
308.5.5	USE	EXISTING - CONDITION 5	CONDITION 5 - SAME USE
5	**GENERAL BUILDING HEIGHT AND AREAS**		
504.3	BUILDING HEIGHT - FEET	AVERAGE 19'-7" - EXISTING	NOT ALTERED BY SCOPE
504.4	BUILDING HEIGHT - STORIES	1 STORY - EXISTING	NOT ALTERED BY SCOPE
506	BUILDING AREA	11,343 SQ FT - EXISTING	NOT ALTERED BY SCOPE
6	**CONSTRUCTION TYPE**		
T.601	TYPE	8B / EXISTING	NOT ALTERED BY SCOPE
	PRIMARY FRAME	0	NOT ALTERED BY SCOPE
	BEARING WALL - EXTERIOR	0	NOT ALTERED BY SCOPE
	BEARING WALL - INTERIOR	0	NOT ALTERED BY SCOPE
	NON BEARING WALL - EXTERIOR	0	NOT ALTERED BY SCOPE
	NON BEARING WALL - INTERIOR	0	FIRE RATED CORRIDOR PARTITIONS ARE BEING REDUCED TO SMOKE TIGHT PARTITIONS AS ALLOWED BY IEBC 805.5 AND IBC 408.8.2 SEE CODE COMPLIANCE PLANS FOR LOCATIONS
	FLOOR CONSTRUCTION	0	NOT ALTERED BY SCOPE
	ROOF CONSTRUCTION	0	NOT ALTERED BY SCOPE
T.602	FIRE SEPARATION DISTANCE > 30 FEET	REQUIRED 0 HOUR	NOT ALTERED BY SCOPE
602.2	TYPE I AND IIB	ALL MATERIALS MADE FROM NONCOMBUSTIBLE MATERIALS UNLESS ALLOWED BY 603	NONCOMBUSTIBLE MATERIALS PROVIDED, SEE DETAILS
7	**FIRE AND SMOKE PROTECTION FEATURES**		
707	FIRE BARRIERS	1 HOUR, REQUIRED AT MECHANICAL ROOM	EXISTING 1 HOUR RATED PARTITION SURROUNDING MECHANICAL ROOM TO REMAIN, SEE CODE COMPLIANCE PLANS FOR LOCATION
708	FIRE PARTITIONS	PERMITTED TO BE SMOKE TIGHT PER IBC 408.8.2	SMOKE TIGHT WALLS UTILIZED IN LIEU OF FIRE PARTITIONS, SEE CODE COMPLIANCE PLANS
709	SMOKE BARRIERS	1 HOUR SMOKE RATED IBC 408.8.2 STATES EACH SLEEPING AREA IN OCCUPANCY CONDITION 5 SHALL BE SEPARATED FROM ADJACENT SLEEPING AREAS, CORRIDORS, AND COMMON SPACES BY A SMOKETIGHT PARTITION	SEE CODE COMPLIANCE PLANS FOR LOCATIONS OF EXISTING 45 MIN. PARTITIONS TO BE CLASSIFIED AS SMOKE TIGHT PARTITION SEPARATING SLEEPING AREAS.
716	OPENING PROTECTIVES	NOT REQUIRED ON I-3 CELLS (BEDROOMS), SMOKE TIGHT DOORS PERMITTED PER TABLE 1020.1 FOOTNOTE B, 408.8.2 AND 408.8.4 45 MINUTES REQUIRED AT 1 HOUR FIRE BARRIER 20 MINUTES REQUIRED AT SMOKE BARRIERS	PROVIDED - SEE DOOR SCHEDULE AND HARDWARE SCHEDULE
717.5.5	DUCTS AND AIR TRANSFER OPENINGS - SMOKE BARRIERS	SMOKE DAMPERS REQUIRED, EXCEPT WHERE THE OPENINGS IN DUCTS ARE LIMITED TO A SINGLE SMOKE COMPARTMENT AND THE DUCTS ARE CONSTRUCTED OF STEEL.	COMPLIES; DUCTS THAT CROSS SMOKE BARRIER DO NOT EXCHANGE AIR BETWEEN SMOKE COMPARTMENTS, OPENINGS ARE LIMITED TO 1 COMPARTMENT. PERIMETER OF DUCTS FIRESTOPPED. SEE MECHANICAL DRAWINGS FOR COMPLIANCE
717.5.7	DUCTS AND AIR TRANSFER OPENINGS - SMOKE TIGHT WALLS	SIMILAR TO A SMOKE PARTITION, NO FIRE RATING IS REQUIRED. DUCTS REQUIRE PERIMETER SEALED, TRANSFER OPENINGS REQUIRE SMOKE DAMPERS	COMPLIES; PERIMETER OF DUCTS SEALED, NO TRANSFER OPENINGS, ALL RETURNS ARE DUCTED, SEE MECHANICAL DRAWINGS FOR COMPLIANCE
720	EXPOSED OR CONCEALED INSULATION	FLAME SPREAD INDEX >25 SMOKE-DEVELOPED INDEX <450	COMPLIES - SEE SPECIFICATIONS
8	**INTERIOR FINISHES**		
T.803.11	FINISH REQUIREMENTS BY OCCUPANCY	GROUP I-3 (SPRINKLERED)	
	EXIT STAIRWAYS, RAMPS, AND PASSAGEWAYS	CLASS A	ALL FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
	CORRIDORS	CLASS A	ALL FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
	ROOMS / ENCLOSED SPACE	CLASS C	ALL FINISHES NEW AND SHALL COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
804.4.2	MINIMUM CRITICAL RADIANT FLUX	FLOOR FINISHES CLASS II (SPRINKLERED)	ALL FLOOR FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
806	INTERIOR TRIM	TRIM SHALL BE NON COMBUSTIBLE OR CLASS C NOT EXCEEDING 10% OF WALL	NO COMBUSTIBLE TRIM INDICATED

9	**FIRE PROTECTION SYSTEM**		
903	SPRINKLER SYSTEM	REQUIRED, SHALL BE NFPA 13 SYSTEM	PROVIDED SEE PLUMBING DRAWINGS
906	PORTABLE FIRE EXTINGUISHER SYSTEMS	REQUIRED; PERMITTED TO BE LOCATED IN STAFF AREAS;	PROVIDE IN GROUP I-3, SPACING INDICATED IN NFPA 10; MAXIMUM SPACING 75' - SEE CODE COMPLIANCE PLANS FOR LOCATIONS
907	FIRE ALARM AND DETECTION SYSTEMS	MANUAL ALARM AND SMOKE DETECTION REQUIRED; SHALL COMPLY WITH NFPA 72	MANUAL ALARM SYSTEM AND SMOKE DETECTION SYSTEM PROVIDED - SEE ELECTRICAL DRAWINGS. SMOKE DETECTION IS PROVIDED THROUGHOUT, EXCEPT SLEEPING ROOMS AS PERMITTED BY IBC 907.2.6.3.3. EXCEPTION 3.
11	**ACCESSIBILITY**		
1104	ROUTE	ACCESSIBLE ROUTE TO BE MAINTAINED	ROUTE MAINTAINED SEE DRAWINGS
1104.3.1	EMPLOYEE WORK AREAS (OVER 1000 SF)	ACCESSIBLE	COMPLY, FURNITURE LAYOUT BY OTHERS
1105	ENTRANCES	ACCESSIBLE	EXISTING TO REMAIN
1107.5.5	GROUP I-3 SLEEPING UNITS (CELLS)	3% ACCESSIBLE OR MINIMUM OF 1	1 REQUIRED; 1 PROVIDED
1109.2	TOILET FACILITIES	ACCESSIBLE	RECONFIGURED BATHROOMS PROVIDED PER CODE; SEE EVALUATION THIS SHEET
1109.5	DRINKING FOUNTAINS	ACCESSIBLE	COMPLY, SEE PLUMBING DRAWINGS FOR COMPLIANCE
1110	SIGNAGE	ACCESSIBLE	COMPLY, SEE SIGNAGE DRAWINGS FOR COMPLIANCE
12	**INTERIOR ENVIRONMENT**		
1203	VENTILATION	REQUIRES NATURAL OR MECHANICAL VENTILATION	MECHANICAL VENTILATION PROVIDED, SEE MECHANICAL DRAWINGS
1204	TEMPERATURE CONTROL	REQUIRES HEATING SYSTEM CAPABLE OF MAINTAINING 68 DEG F AT 3' AFF	PROVIDED, SEE MECHANICAL DRAWINGS
1205.3	LIGHTING	REQUIRES NATURAL LIGHT - 8% NET FLOOR ARTIFICIAL LIGHT OR 10FC OVER THE AREA OF THE ROOM 30" AFF	10 FC PROVIDED, SEE ELECTRICAL DRAWINGS
1205.5	EMERGENCY LIGHTING	REQUIRES EMERGENCY LIGHTING	PROVIDED, SEE ELECTRICAL DRAWINGS
1208.1	MINIMUM ROOM WIDTH	7'-0" FOR HABITABLE SPACES	COMPLIES, 7'-8" EXISTING AND 7'-10" FOR RECONFIGURED BEDROOMS, SEE PLANS
1208.2	CEILING HEIGHTS	7'-6" MINIMUM	IF CEILING HEIGHT PROVIDED, SEE CEILING PLANS
1208.2	CEILING HEIGHTS (KITCHEN, BATH, STORAGE)	7'-6" MINIMUM	IF CEILING HEIGHT PROVIDED, SEE CEILING PLANS
13	**ENERGY EFFICIENCY**		
	REQUIRES DESIGN AND COMPLIANCE WITH INTERNATIONAL ENERGY CODE		
14	**EXTERIOR WALLS**		
1404.10	FIBER CEMENT SIDING	COMPLY WITH ASTM C 1186 TYPE A	PROVIDED, SPECIFICATIONS REQUIRE COMPLIANCE WITH ASTM C 1186 TYPE A
1405.16	FIBER CEMENT SIDING	PERMITTED ON EXTERIOR WALLS OF TYPE I, II, III, IV AND V CONSTRUCTION.	COMPLIES
1406.2	COMBUSTIBLE MATERIALS ON THE EXTERIOR SIDE OF EXTERIOR WALLS	COMBUSTIBLE EXTERIOR WALL COVERINGS (SHEATHING) CONSTRUCTED OF FIRE-RETARDANT TREATED WOOD ARE NOT LIMITED IN UP TO 60 FEET IN HEIGHT ABOVE GRADE PLANE	FR TREATED SHEATHING AND CEMENT BOARD SIDING PERMITTED

INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**GENERAL REQUIREMENTS**		
C301.1	CLIMATE ZONES	SHALL COMPLY WITH FIGURE C301.1	ZONE 5
5	**EXISTING BUILDINGS**		
C503.1	ALTERATIONS	ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING IS NO LESS CONFORMING TO THE PROVISIONS OF THIS CODE THAN THE EXISTING BUILDING WAS PRIOR TO THE ALTERATION.	NOT ALTERED BY SCOPE
		THE FOLLOWING ALTERATIONS NEED NOT COMPLY WITH THE REQUIREMENTS FOR NEW CONSTRUCTION, PROVIDED THE ENERGY USE OF THE BUILDING IS NOT INCREASED: 3. EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION, PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION. 4. CONSTRUCTION WHERE THE EXISTING ROOF, WALL OR FLOOR CAVITY IS NOT EXPOSED. 6. AIR BARRIERS SHALL NOT BE REQUIRED FOR ROOF RECOVER AND ROOF REPLACEMENT WHERE THE ALTERATIONS OR RENOVATIONS TO THE BUILDING DO NOT INCLUDE ALTERATIONS, RENOVATIONS OR REPAIRS TO THE REMAINDER OF THE BUILDING ENVELOPE.	
C503.3	BUILDING ENVELOPE	NEW BUILDING ENVELOPE ASSEMBLIES THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTIONS C402.1 THROUGH C402.5.	
	MASS WALLS	CMU WALLS WITH NEW EXTERIOR SIDING AND INSULATION - R-11.4 CI OR U< 0.090 REQUIRED	COMPLIES - R 16.25 CI PROVIDED
T402.1.3	METAL FRAMED WALLS	METAL FRAMED WALLS WITH NEW EXTERIOR SIDING AND INSULATION - R-13 IN FRAMED CAVITY AND R-7.5 CI OR U< 0.064 REQUIRED	COMPLIES - U-VALUE=0.049
C503.3.1	ROOF REPLACEMENT	WHERE INSULATION IS ENTIRELY ABOVE DECK COMPLY WITH TABLE C402.1.3, R-30 REQUIRED	COMPLIES, R-30 PROVIDED
C503.3.2	VERTICAL FENESTRATION	THE ADDITION OF VERTICAL FENESTRATION THAT RESULTS IN A TOTAL BUILDING FENESTRATION AREA LESS THAN OR EQUAL TO THA



1 AD-1101 - REMOVAL PLAN
1/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 77 = 1

BUILDING DESIGNATOR
1-100 BUILDING 77 ROOM NUMBERS
1-100 BUILDING 77 DOOR NUMBERS

1. INTERIOR FINISHES TO BE REMOVED IN THEIR ENTIRETY. GRIND FLUSH SMALL IMPERFECTIONS IN SLAB AND USE SELF-LEVELING CEMENT TO PROVIDE A LEVEL FLOOR SLAB.

2. REMOVE TOILET PARTITON SYSTEMS

3. REMOVE CEMENTITIOUS LEVELING TOPPER FLUSH WITH EXISTING FLOOR SLAB IN AREA IDENTIFIED WITH HATCH.

4. GRIND SMOOTH & PATCH EXISTING CONCRETE FLOOR TO RECEIVE FLOORING. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR FLOOR PREPARATION REQUIREMENTS.

REMOVAL SYMBOLS LEGEND

- EXISTING CMU WALL TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 17)
- EXISTING DOOR AND FRAME SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 18), COORDINATE DOOR AND FRAME REMOVALS W/ DOOR SCHEDULE
- EXISTING WINDOW SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 25)
- EXISTING CASEWORK AND/OR MILLWORK TO BE REMOVED (REFER TO REMOVAL KEYNOTE R22)
- AREA OF CEMENTITIOUS LEVELING TOPPER
- EXIST WALL TO REMAIN
- EXIST DOOR TO REMAIN
- EXIST WINDOW TO REMAIN

REMOVAL KEYNOTE LEGEND

Key Value	Keynote Text
R01	REMOVE EXISTING VINYL SIDING SYSTEM BACK TO THE CMU SUBSTRATE.
R02	REMOVE EXISTING WOOD SIDING SYSTEM INCLUDING BUT NOT LIMITED TO VINYL SIDING, WOOD COMPOSITE SIDING, FURRING, METAL FRAMING, AND INSULATION BACK TO CMU SUBSTRATE.
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R08	REMOVE EXISTING INTERIOR STEEL DOOR AND SIDELIGHT SYSTEM AND ALL ASSOCIATED HARDWARE IN THEIR ENTIRETY.
R10	EXISTING DOOR OR WINDOW FRAME TO REMAIN, REMOVE WIRE GLASS.
R12	REMOVE EXISTING TILE AND GROUT. SANDBLAST CMU WALL, GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED TO ENSURE GROUT IS REMOVED
R14	REMOVE EXISTING VCT AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
R15	REMOVE WINDOW AND ALL ASSOCIATED HARDWARE IN THEIR ENTIRETY.
R17	REMOVE PORTION OF INTERIOR CMU WALL TO THE EXTENT SHOWN. GRIND AND GROUT EXPOSED CMU EDGES FLUSH.
R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R27	REMOVE EXISTING CEILING SYSTEM IN ITS ENTIRETY.
R31	REMOVE EXISTING ACCESS DOOR.
R32	REMOVE EXISTING CHALK BOARD, WHITE MARKER, OR TACK BOARD FROM WALL.
R34	REMOVE EXISTING STEEL COLUMN ENCLOSURE IN ITS ENTIRETY.
R45	REMOVE 3/8" T-111 WOOD SIDING, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R46	REMOVE VINYL SIDING, 3/8" T-111 WOOD SIDING UNDERNEATH, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING, FLASHINGS AND ASSOCIATED FASTNERS FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R66	REMOVE EXISTING SHELVING IN ITS ENTIRETY
R67	REMOVE EXISTING METAL SHELVING UNIT AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R79	REMOVE MASONRY WALL AS REQUIRED FOR DOOR AND LINTELED FRAME.SALVAGE MASONRY VENEER FOR REUSE IN CREATING DOOR OPENING
R80	REMOVE EXISTING MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT DAVID L. CLEMENS 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

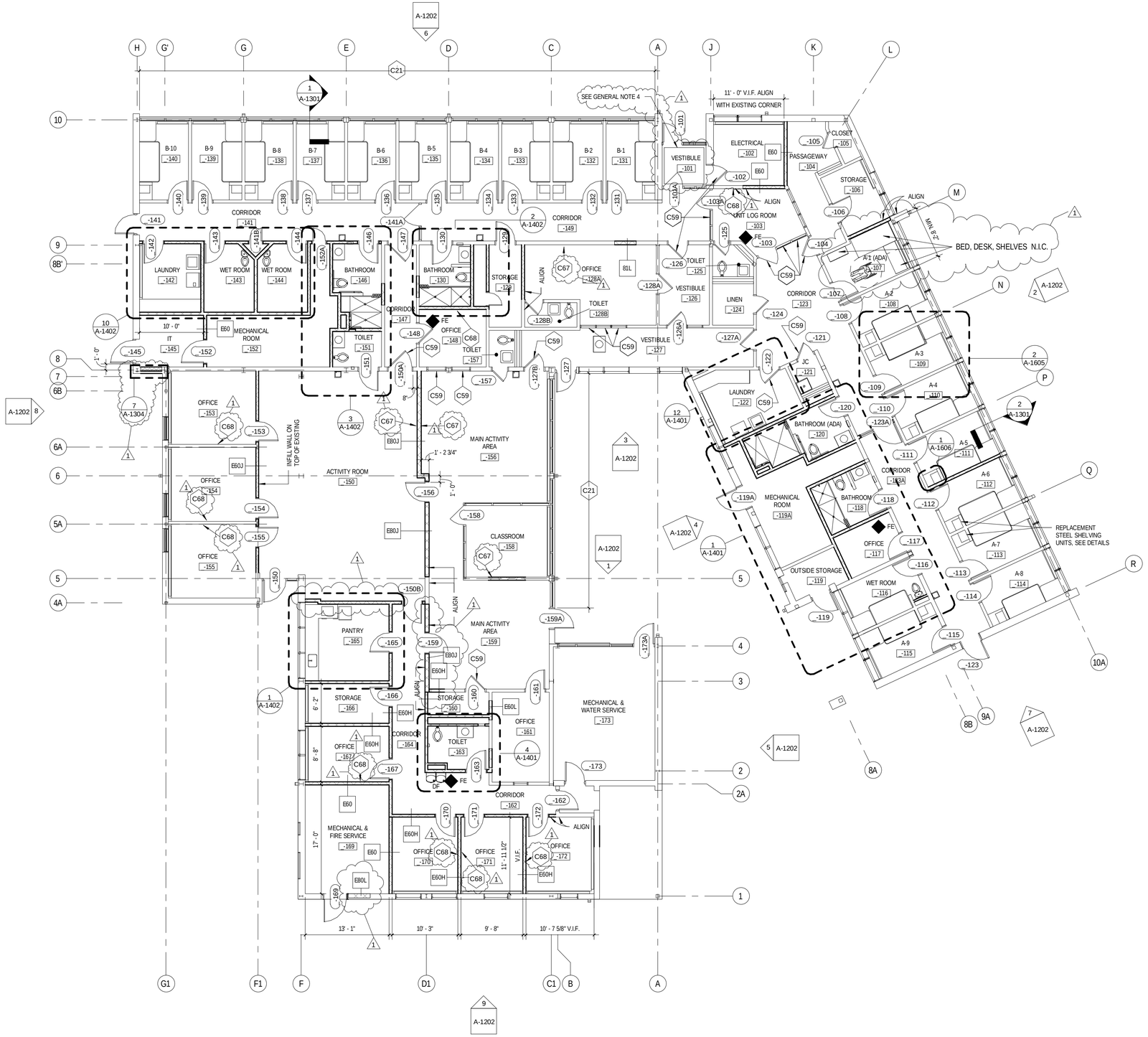
BUILDING 77
REMOVAL PLAN

DRAWING NUMBER:

A - 1101

SHEET OF

36x24 PLOT SHEET



1 A01 - LEVEL 1
1/8" = 1'-0"

36x24 PLOT SHEET

BUILDING DESIGNATION

BUILDING 77 = 1

1-100 BUILDING DESIGNATOR
1-100 BUILDING 77 ROOM NUMBERS
1-100 BUILDING 77 DOOR NUMBERS

GENERAL NOTES

1. UNLESS OTHERWISE NOTED ALL PARTITIONS TO BE 6" CMU TERMINATING AT 8'-0" A.F.F., NOT RATED.

2. SAND AND REPAINT ALL EXISTING METAL SHELVING UNITS TO REMAIN IN BEDROOMS. REFER TO REMOVAL PLAN FOR UNIT TO BE REMOVED AND REPLACED.

3. PATCH AND PAINT EXISTING WALLS ABOVE WINDOW OPENINGS AT BEDROOMS. REFER TO FINISH PLAN FOR PAINT COLORS/TYPE DESIGNATIONS.

4. PROVIDE SURFACE MOUNTED WALK OFF MAT, 6' - 2"± X 5' - 8"±. MAINTAIN APPROXIMATLY 4" SPACE BETWEEN MAT AND ADJACENT WALLS, FIELD VERIFY.

5. PROVIDE 1000 SF OF MASONRY WALL PATCHING FOLLOWING COMPLETION OF REMOVAL WORK.

KEYNOTE LEGEND	
Key Value	Keynote Text
C21	EXTERIOR WALL SECTION AT EXISTING STEEL STOREFRONT - SEE WALL SECTION
C59	PROVIDE S-4 GLAZING IN EXISTING DOOR OR WINDOW OPENING
C67	PROVIDE 4'x8' MARKER BOARD AND 4'x4' TACK BOARD IN CLASSROOMS. MOUNT BOTTOM 2'-8" AFF.
C68	PROVIDE 4'x4' MARKER BOARD AND 2'x4' TACK BOARD IN OFFICES. MOUNT BOTTOM AT 2'-8" AFF.

NEW WORK SYMBOLS LEGEND

- EXIST WALL TO REMAIN
- EXIST DOOR TO REMAIN
- EXIST WINDOW TO REMAIN
- NEW WALL
- NEW DOOR AND FRAME SYSTEM
- FE FIRE EXTINGUISHER

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

EYP/

WARNING

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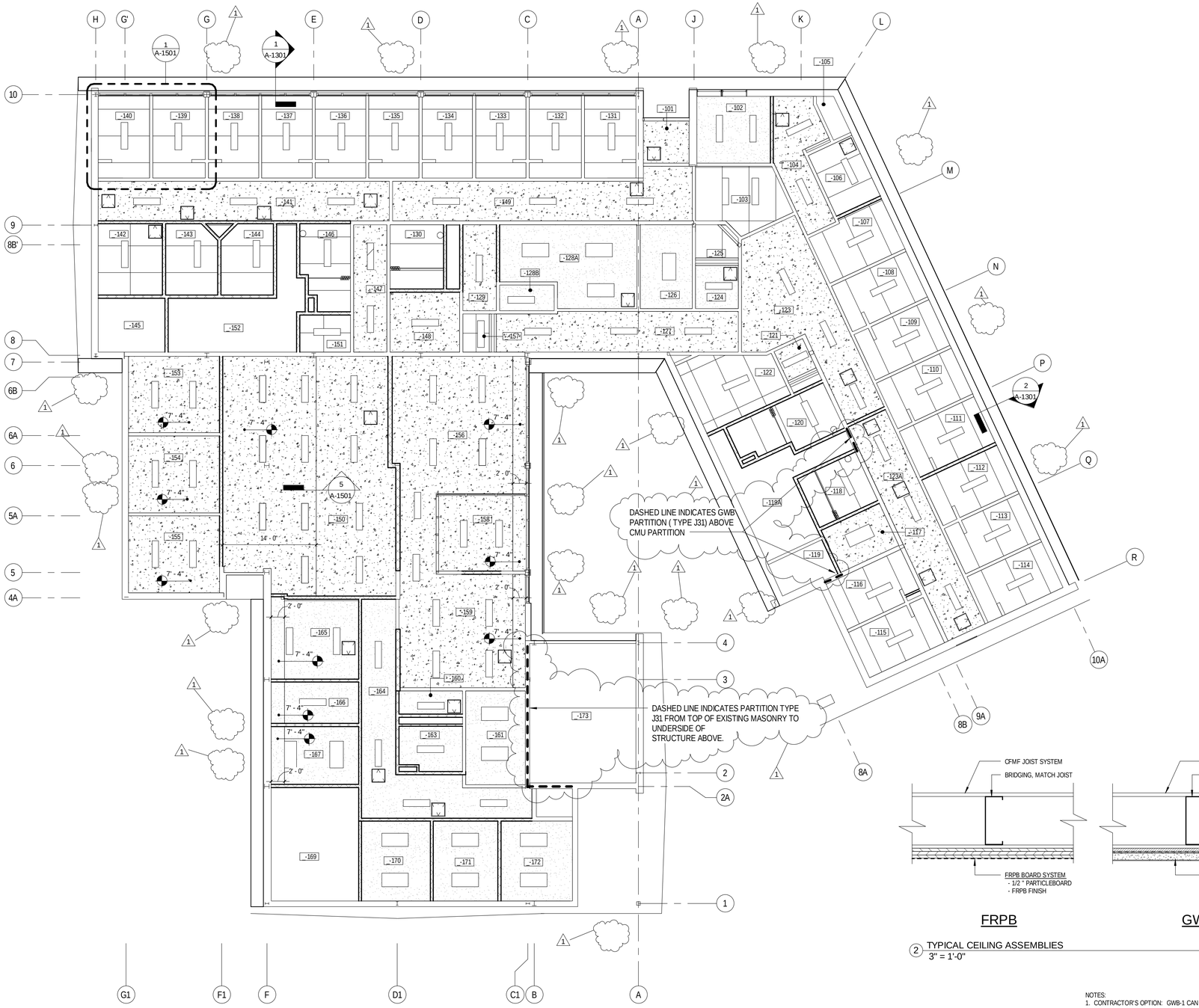
CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 77
FLOOR PLAN

DRAWING NUMBER:
A - 1103

SHEET OF



1 A01 - LEVEL 1
1/8" = 1'-0"

BUILDING DESIGNATION

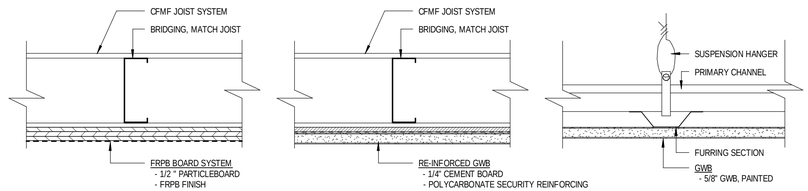
BUILDING 77 = 1

BUILDING DESIGNATOR
1-100 BUILDING 77 ROOM NUMBERS
1-100 BUILDING 77 DOOR NUMBERS

NOTE:
ALL CEILING TO BE 8'-0" AFF UNLESS NOTED OTHERWISE

NO CEILING
GWB-1 CEILING (RE-INFORCED)
FRPB CEILING
GWB-2 CEILING
1' X 4' LIGHT FIXTURE
2' X 2' LIGHT FIXTURE
2' X 4' LIGHT FIXTURE
2' X 2' ACCESS PANEL
WALL MOUNTED STRIP FIXTURE
WALL MOUNTED STRIP FIXTURE
WALL MOUNTED LIGHT FIXTURE
WALL PACK
EMERGENCY WALL PACK
EXIT SIGNAGE
ACCESS HATCH

1 RCP LEGEND



FRPB GWB-1 GWB-2

2 TYPICAL CEILING ASSEMBLIES
3" = 1'-0"

NOTES:
1. CONTRACTOR'S OPTION: GWB-1 CAN BE REPLACED WITH A "SUSPENDED METAL PANEL CEILING SYSTEM".

2. ALL GWB CEILINGS TO BE PAINTED AL-2

3. COORDINATE EXACT LOCATION OF ACCESS PANELS IN THE FIELD WITH DIRECTOR'S REPRESENTATIVE.

RCP NOTES
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DAVID L. CLEMENS 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

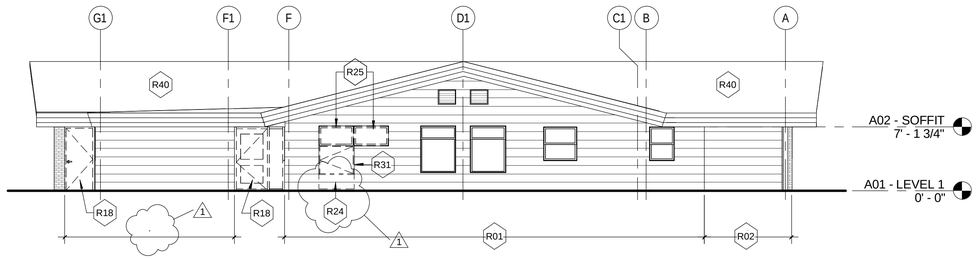
PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77
REFLECTED CEILING PLAN

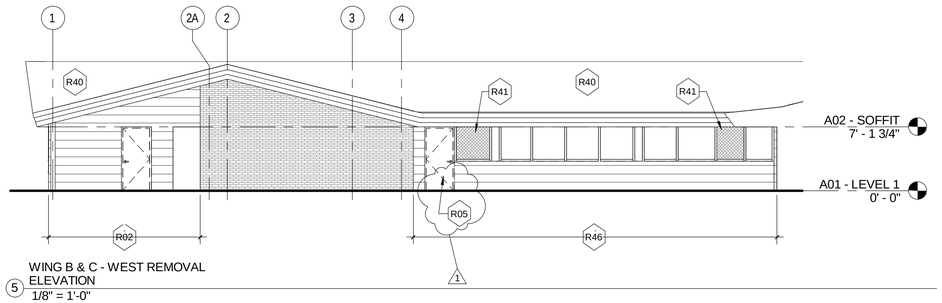
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A - 1104

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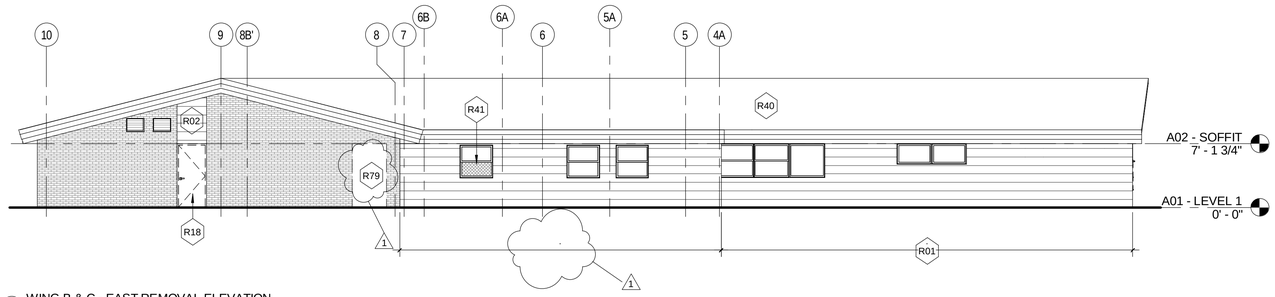
36x24 PLOT SHEET



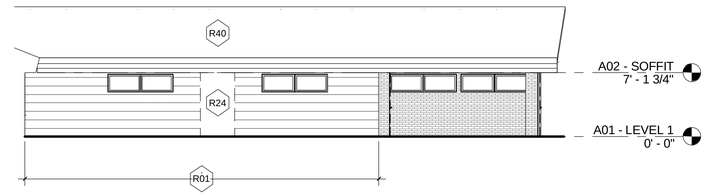
9 WING B & C - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



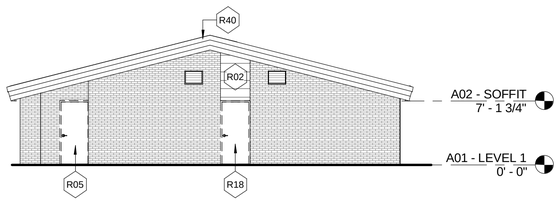
5 WING B & C - WEST REMOVAL ELEVATION
1/8" = 1'-0"



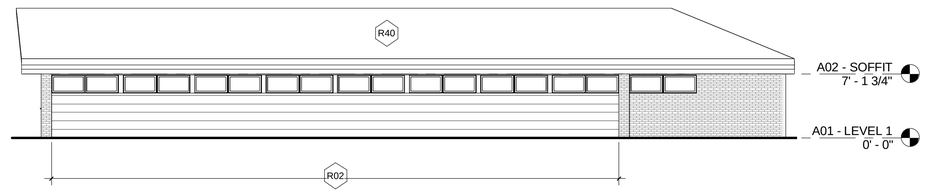
8 WING B & C - EAST REMOVAL ELEVATION
1/8" = 1'-0"



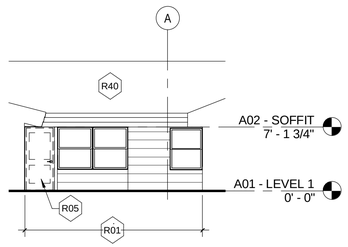
4 WING A - EAST REMOVAL ELEVATION
1/8" = 1'-0"



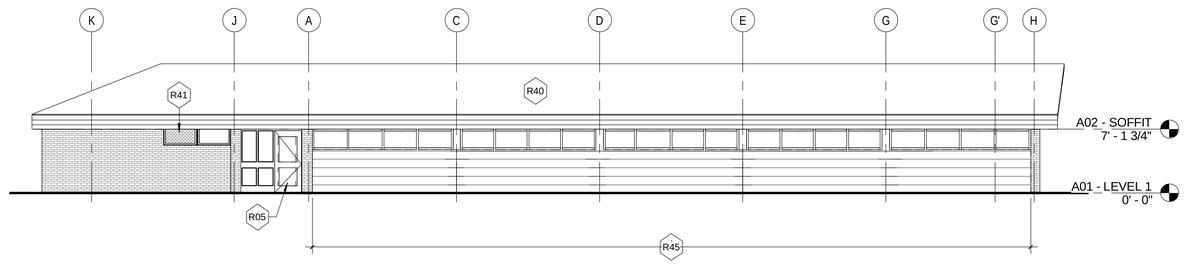
7 WING A - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



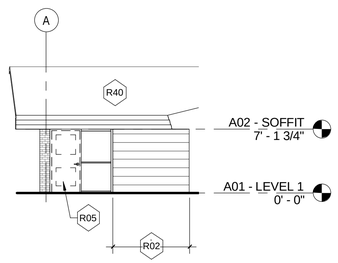
2 WING A - WEST REMOVAL ELEVATION
1/8" = 1'-0"



3 WING B - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



6 WING B - SOUTH REMOVAL ELEVATION
1/8" = 1'-0"



1 WING C - SOUTH REMOVAL ELEVATION
1/8" = 1'-0"

REMOVAL KEYNOTE LEGEND	
Key Value	Keynote Text
R01	REMOVE EXISTING VINYL SIDING SYSTEM BACK TO THE CMU SUBSTRATE.
R02	REMOVE EXISTING WOOD SIDING SYSTEM INCLUDING BUT NOT LIMITED TO VINYL SIDING, WOOD COMPOSITE SIDING, FURRING, METAL FRAMING, AND INSULATION BACK TO CMU SUBSTRATE.
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R31	REMOVE EXISTING ACCESS DOOR.
R40	ROOF REPLACEMENT HANDLED IN A SEPARATE CONTRACT
R41	REMOVE EXISTING PLYWOOD AND SASH FROM WINDOW OPENING. WINDOW AND ASSOCIATED FRAME TO REMAIN.
R45	REMOVE 3/8" T-111 WOOD SIDING, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R46	REMOVE VINYL SIDING, 3/8" T-111 WOOD SIDING UNDERNEATH, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING, FLASHINGS AND ASSOCIATED FASTNERS FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R79	REMOVE MASONRY WALL AS REQUIRED FOR DOOR AND LINTELED FRAME.SALVAGE MASONRY VENEER FOR REUSE IN CREATING DOOR OPENING

1

36x24 PLOT SHEET

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REGISTERED ARCHITECT
DAVID L. CLEMENT
031179
STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

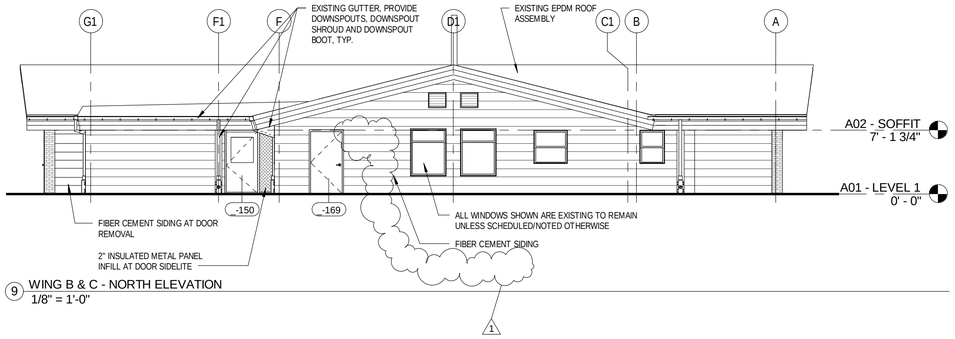
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

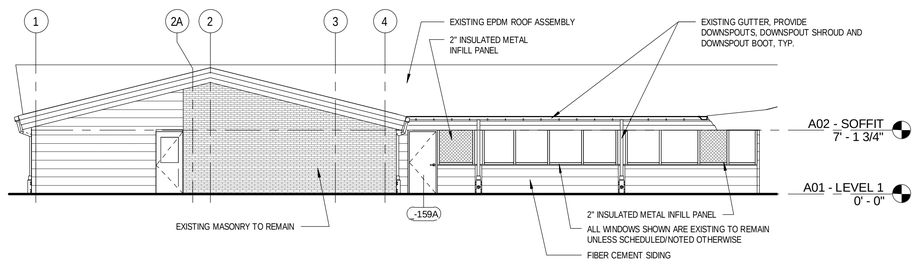
SHEET TITLE:
BUILDING 77
REMOVAL ELEVATIONS

DRAWING NUMBER:
A - 1201

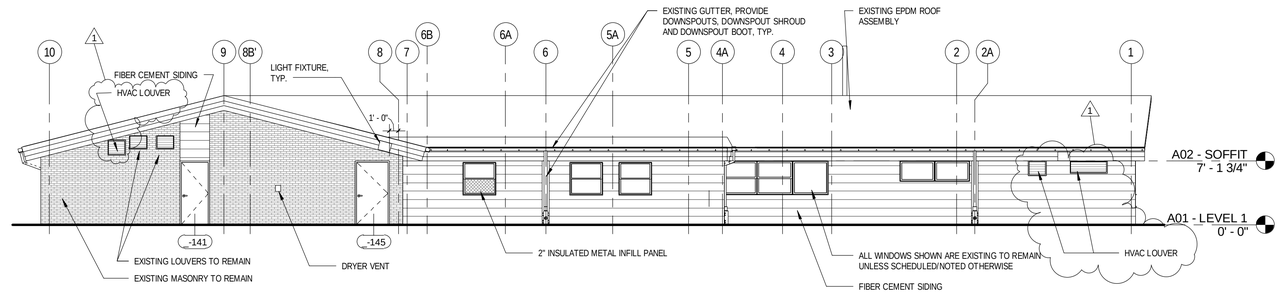
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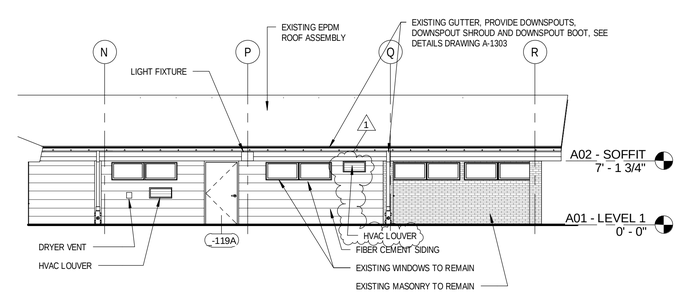
9 WING B & C - NORTH ELEVATION
1/8" = 1'-0"



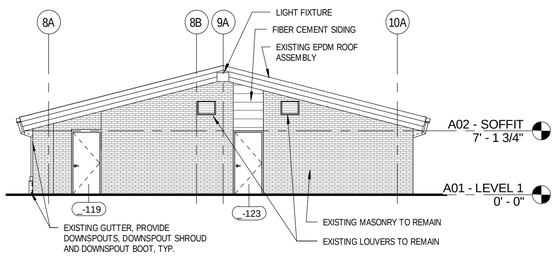
5 WING B & C - WEST ELEVATION
1/8" = 1'-0"



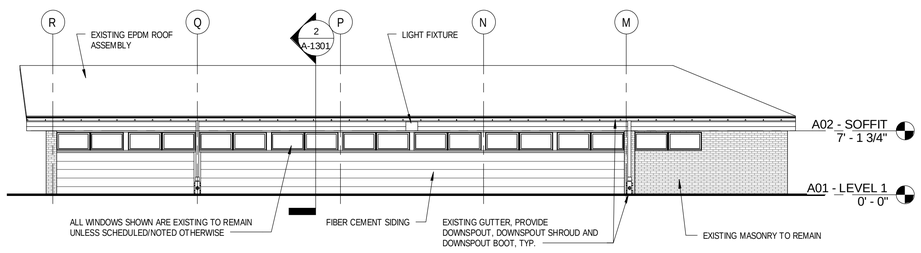
8 WING B & C - EAST ELEVATION
1/8" = 1'-0"



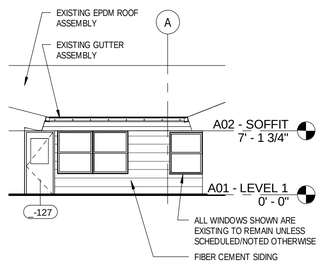
4 WING A - EAST ELEVATION
1/8" = 1'-0"



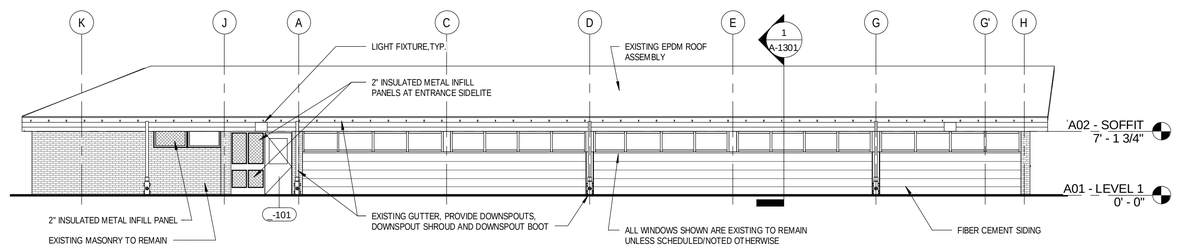
7 WING A - NORTH ELEVATION
1/8" = 1'-0"



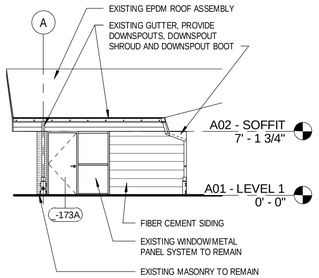
2 WING A - WEST ELEVATION
1/8" = 1'-0"



3 WING B - NORTH ELEVATION
1/8" = 1'-0"



6 WING B - SOUTH ELEVATION
1/8" = 1'-0"



1 WING C - SOUTH ELEVATION
1/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 77 = 1

1-100 BUILDING DESIGNATOR
1-100 BUILDING 77 ROOM NUMBERS
1-100 BUILDING 77 DOOR NUMBERS

ELEVATION NOTES

1. ALL EXISTING EXTERIOR BRICK MASONRY TO REMAIN IS TO BE CLEANED. REFER TO SPEC SECTION FOR ADDITIONAL INFO.
2. MECHANICALLY FASTEN EXISTING OPERABLE WINDOWS AT BEDROOMS IN THE CLOSED POSITION WITH (2) EXPOSED FASTENERS ANCHORED INTO WINDOW FRAME.
3. ALL EXTERIOR WINDOWS TO RECEIVE A BEAD OF TYPE 1 SEALANT AROUND THE PERIMETER OF THE OPENING.
4. PROVIDE PREFINISHED ALUMINUM DOWNSPOUTS, DOWNSPOUT SHROUDS AND DOWNSPOUT BOOTS AT GRADE WHERE INDICATED. SEE DRAWING A-1303 FOR DETAILS.
5. ROOF, FASCIA, SOFFITS, & GUTTERS ARE BEING COMPLETED UNDER SEPERATE CONTRACT. COORDINATE WORK DEFINED HERE AS REQUIRED.
6. PAINT ALL EXISTING LOUVERS, WINDOW FRAMES, SASHES AND ASSOCIATED METAL TRIM.
7. PROVIDE 2" INSULATED METAL PANEL AT WINDOW INFILL LOCATIONS INDICATED ON ELEVATIONS. METAL PANEL TO BE PLACED IN WINDOW FRAME IN SAME PLANE AS SASH. PROVIDE METAL STOP WITH SEALANT AROUND ENTIRE PERIMETER OF PANEL.

1 8. PROVIDE 1/8" THICK PAINTED ALUMINUM TRIM PLATE WITH EASED EDGES FOR TERMINATION OF FIBER CEMENT SIDING AT JAMBS OF DOORS OR PUNCHED WINDOW OPENINGS. SEE SIMILAR DETAIL 11/A-1602.

9. PROVIDE METAL FLASHING AT HEAD OF EXISTING WINDOWS AT WALL ASSEMBLY W1. SEE SIMILAR DETAIL 5/A-1602.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

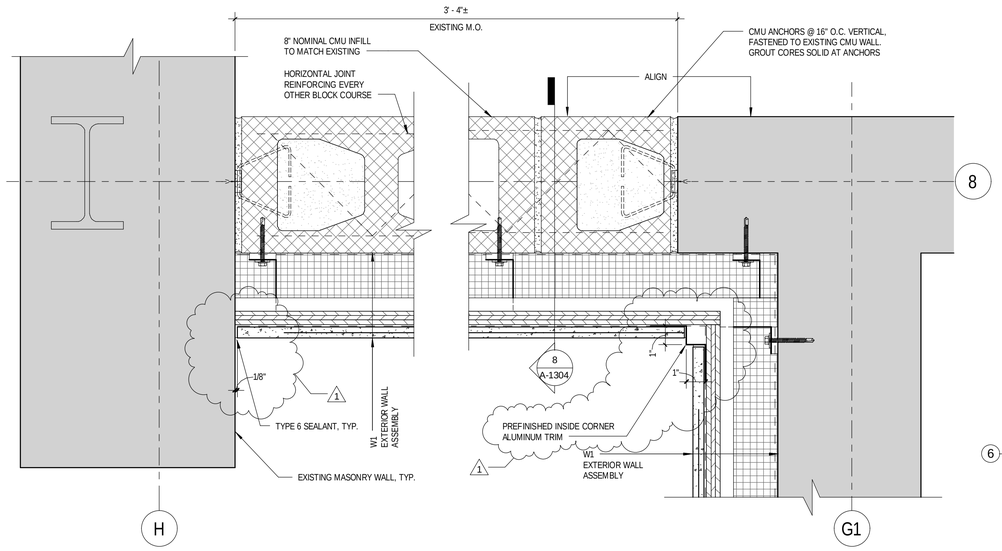
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 77
EXTERIOR ELEVATIONS

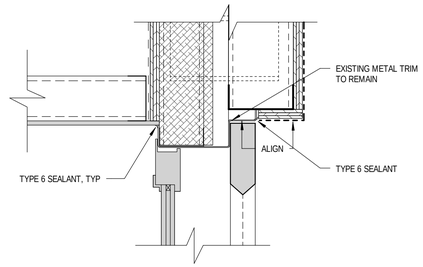
DRAWING NUMBER:
A - 1202

SHEET OF

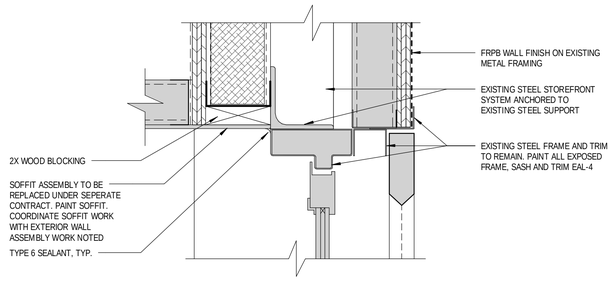
36x24 PLOT SHEET



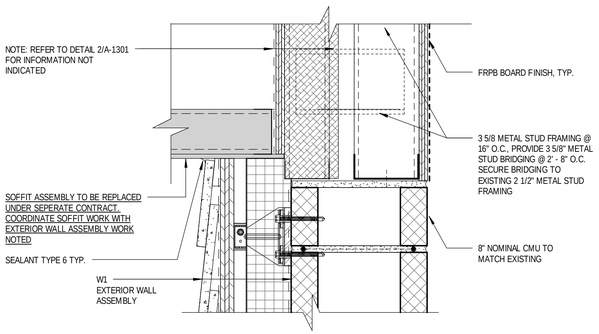
7 PLAN DETAIL @ DOOR INFILL
3" = 1'-0"



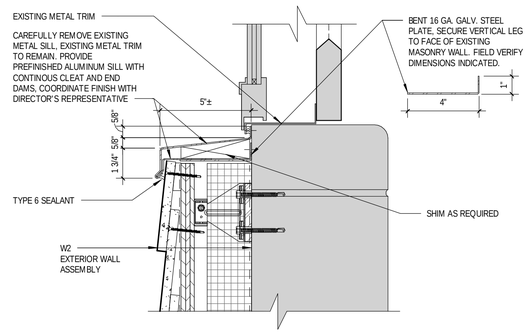
6 WINDOW HEAD
3" = 1'-0"



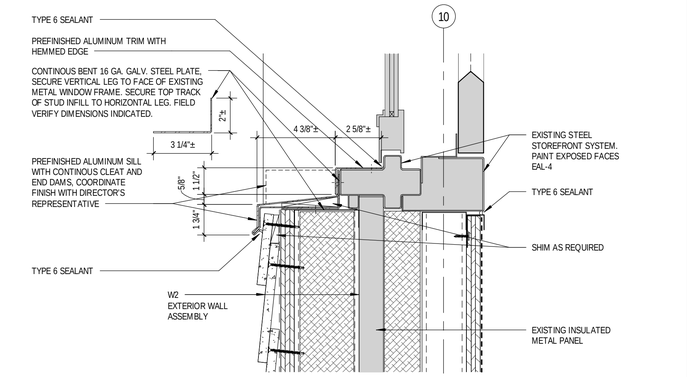
3 HEAD DETAIL @ H.M. STOREFRONT
3" = 1'-0"



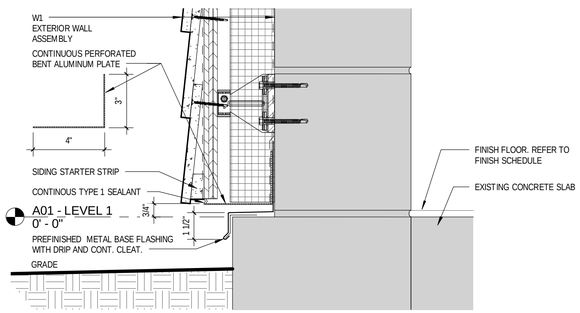
8 DOOR INFILL AT HEAD
3" = 1'-0"



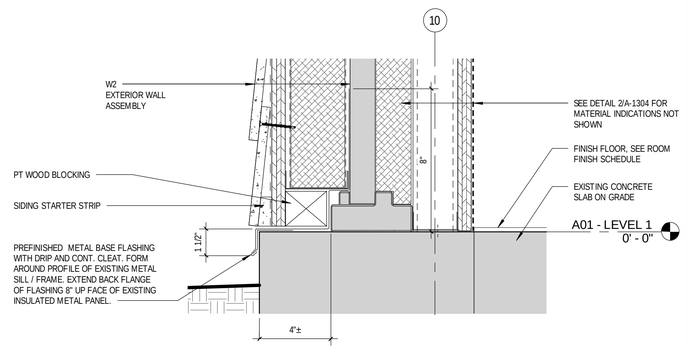
5 WINDOW SILL
3" = 1'-0"



2 SILL DETAIL @ H.M. STOREFRONT
3" = 1'-0"



4 BASE DETAIL @ CMU WITH SIDING
3" = 1'-0"



1 BASE DETAIL @ H.M. STOREFRONT
3" = 1'-0"

36x24 PLOT SHEET

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 77
EXTERIOR DETAILS

DRAWING NUMBER:
A - 1304

SHEET OF

BUILDING DESIGNATION

BUILDING 77 = 1

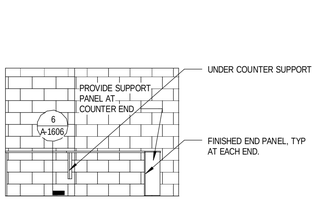
BUILDING DESIGNATOR

1-100 BUILDING 77 ROOM NUMBERS

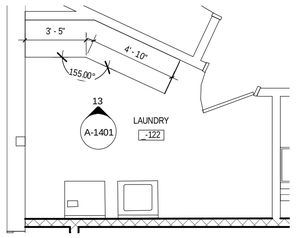
(1-100) BUILDING 77 DOOR NUMBERS

TOILET AND BATH ACCESSORIES		
Type Mark	Type	Comment
GB-1	GRAB BARS	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
GB-2	GRAB BARS_SHOWER	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
HD-1	SECURITY ELECTRIC HAND DRYER	SENSOR OPERATED: AMERICAN SPECIALTIES MODEL #0134 OR APPROVED EQUAL
M-1	ANTI-LIGATURE MIRROR	CUSTOM 18 GA MIRROR STAINLESS STEEL (20 X 36) WITH HEMMED EDGES
M-2	TYPE A MIRROR (STAFF MIRROR)	POLISHED TEMPERED GLASS MIRROR IN STAINLESS STEEL FRAME 18"X24"
M-3	SAFETY MIRROR	18" FULL DOME MIRRORS: MODEL DO-18 BY CAMPUS CRAFTS, INC.,
SC/SCT-SM	SHOWER CURTAIN AND SHOWER CURTAIN TRACK	SECURITY SHOWER CURTAIN AND SURFACED MOUNTED SHOWER CURTAIN TRACK BY INPRO
SRTTD	SINGLE ROLL TOILET TISSUE DISPENSER	22 GUAGE STAINLESS STEEL4-1/2" WIDE CORE TISSUE ROLL UP TO 5 INCH DIAMETER. UNITS SHALL HAVE CHROMIUM METAL ROLLER AND SUPPORT POSTS
TTD-1	TOILET TISSUE DISPENSER	ANTI LIGATURE RECESSED 14 GUAGE SS TOILET PAPER HOLDER

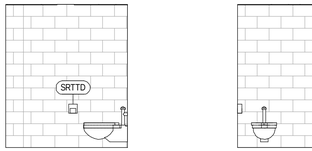
NOTES:
REFER TO TYPICAL MOUNTING HEIGHTS SHEET FOR ADDITIONAL INFORMATION
REFER TO FINISH SCHEDULE ON SHEET A-1604 FOR WALL FINISHES



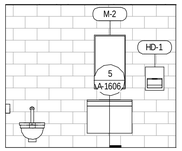
13 LAUNDRY - SOUTH ELEVATION
1/4" = 1'-0"



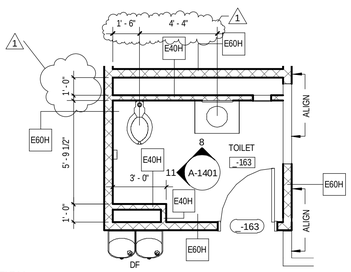
12 ENLARGED FLOOR PLAN- LAUNDRY -122
1/4" = 1'-0"



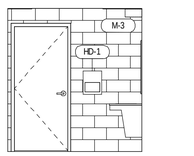
11 TOILET _-163 WEST ELEVATION
1/4" = 1'-0"



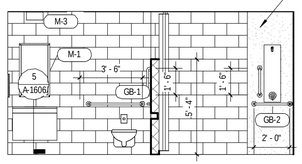
8 TOILET _-163 NORTH ELEVATION
1/4" = 1'-0"



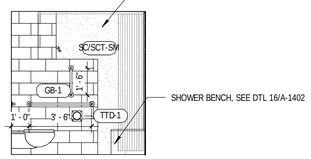
4 ENLARGED FLOOR PLAN - TOILET _-163
1/4" = 1'-0"



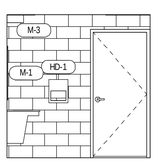
10 BATHROOM _-120 WEST ELEVATION
1/4" = 1'-0"



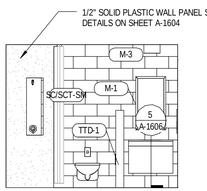
7 BATHROOM _-120 NORTH ELEVATION
1/4" = 1'-0"



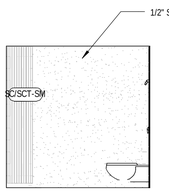
3 BATHROOM _-120 EAST ELEVATION
1/4" = 1'-0"



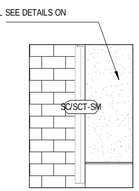
9 BATHROOM _-118 - WEST ELEVATION
1/4" = 1'-0"



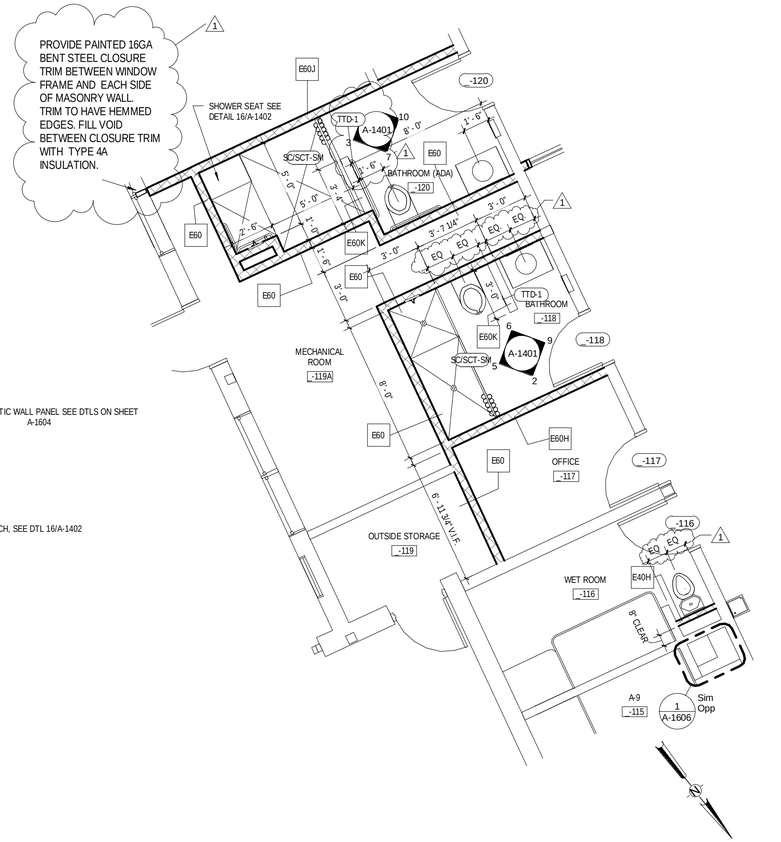
6 BATH _-118 - SOUTH ELEVATION
1/4" = 1'-0"



5 BATH _-118 -EAST ELEVATION
1/4" = 1'-0"



2 BATHROOM _-118 - NORTH ELEVATION
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - 1
1/4" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:

BUILDING 77
ENLARGED FLOOR PLANS, INT ELEV.

DRAWING NUMBER:

A - 1401

SHEET OF

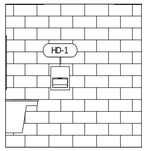
BUILDING DESIGNATION

BUILDING 77 = 1

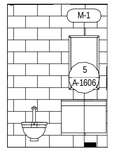
BUILDING DESIGNATOR

1-100 BUILDING 77 ROOM NUMBERS

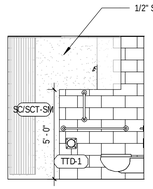
(1-100) BUILDING 77 DOOR NUMBERS



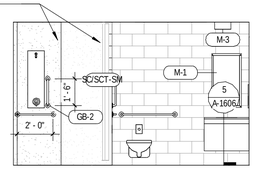
16 TOILET _-151 NORTH INT. ELEVATION
1/4" = 1'-0"



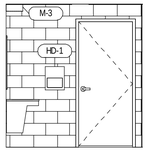
13 TOILET _-151 WEST INT. ELEVATION
1/4" = 1'-0"



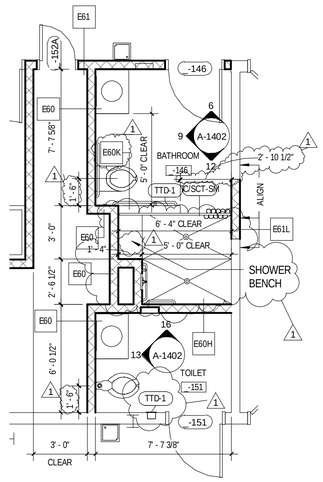
12 BATHROOM _-146 SOUTH INT. ELEVATION
1/4" = 1'-0"



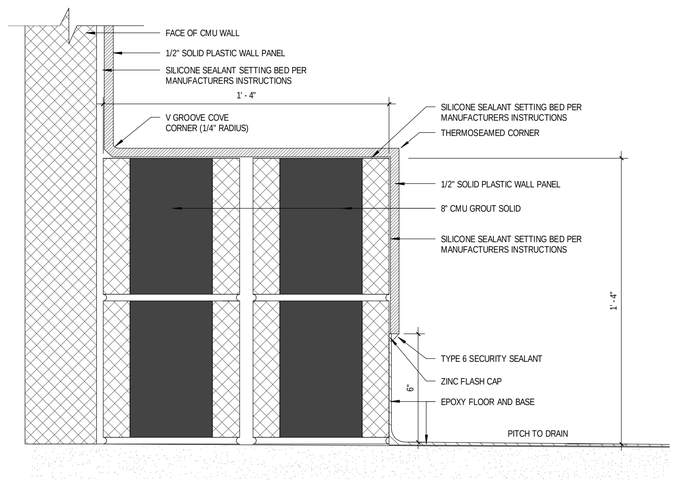
9 BATHROOM _-146 WEST INT. ELEVATION
1/4" = 1'-0"



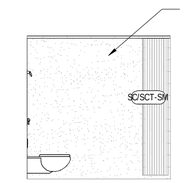
6 BATHROOM _-146 NORTH INT. ELEVATION
1/4" = 1'-0"



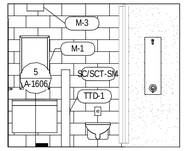
3 ENLARGED FLOOR PLAN - TOILET _-151, BATHROOM _-146
1/4" = 1'-0"



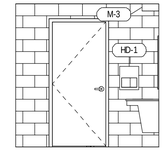
15 SHOWER BENCH DETAIL
3" = 1'-0"



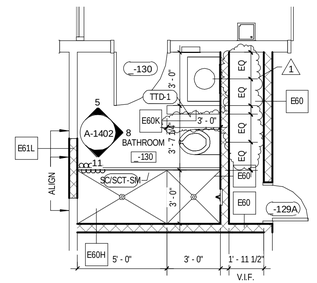
11 BATHROOM _-130 SOUTH INT. ELEVATION
1/4" = 1'-0"



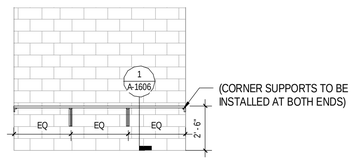
8 BATHROOM _-130 EAST INT. ELEVATION
1/4" = 1'-0"



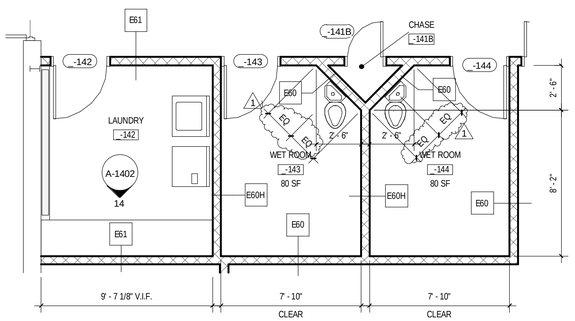
5 BATHROOM _-130 NORTH INT. ELEVATION
1/4" = 1'-0"



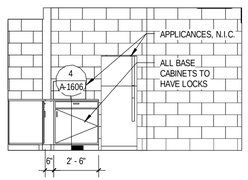
2 ENLARGED FLOOR PLAN -BATHROOM _-130
1/4" = 1'-0"



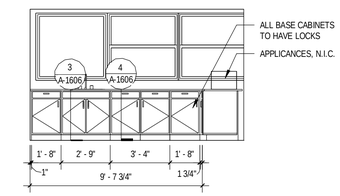
14 LAUNDRY _-142 SOUTH INT. ELEVATION
1/4" = 1'-0"



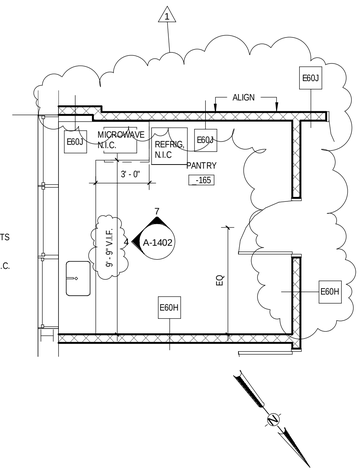
10 ENLARGED FLOOR PLAN - LAUNDRY _-142, WET ROOMS _-143, _-144
1/4" = 1'-0"



7 PANTRY _-165 - NORTH INT. ELEVATION
1/4" = 1'-0"



4 PANTRY _-165 - WEST INT. ELEVATION
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - PANTRY _-165
1/4" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:

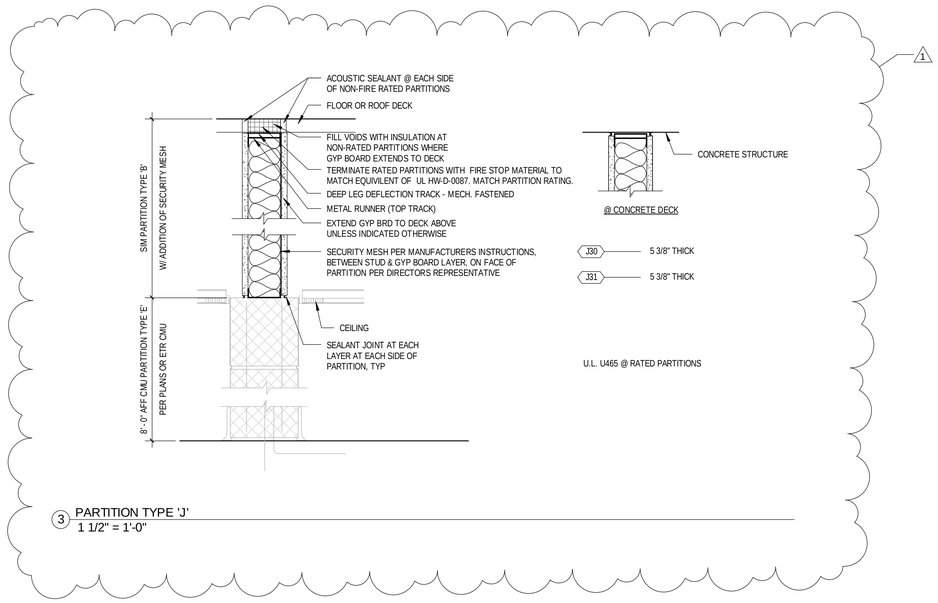
BUILDING 77

ENLARGED FLOOR PLANS, INT ELEV.

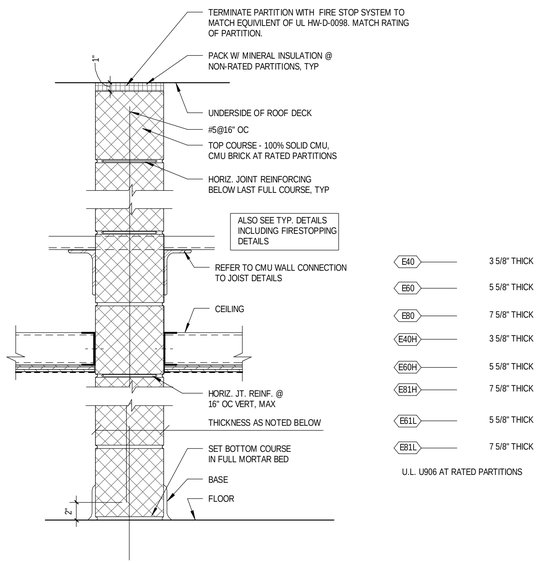
DRAWING NUMBER:

A - 1402

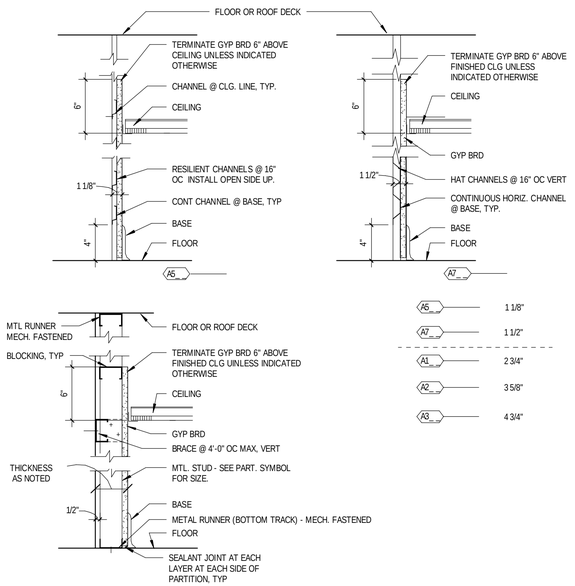
SHEET OF



3 PARTITION TYPE 'J'
1 1/2" = 1'-0"



2 PARTITION TYPE 'E' - CMU
1 1/2" = 1'-0"



1 PARTITION TYPE 'A' - FURRED GYPSUM BOARD
1 1/2" = 1'-0"

GENERAL PARTITION NOTES

STANDARDS: CMU PARTITIONS

(PROVIDE THESE FEATURES AT ALL CMU PARTITIONS)
1. CMU PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
2. FIRE RATING FOR CONCRETE MASONRY UNITS MAY BE BASED ON THE EQUIVALENT THICKNESS METHOD PER IBC CHAPTER 7 AND NCMA.
3. CMU TO BE LIGHTWEIGHT UNLESS OTHERWISE INDICATED.
4. PROVIDE ACOUSTIC SEALANT & BACKER ROD AT ALL NON RATED PARTITIONS.
5. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR UL DESIGN - AT RATED PARTITIONS.

(PROVIDE THESE ADDITIONAL FEATURES AT WALL INFILLS)
6. FULLY GROUT CMU TO MATCH EXISTING 6 OR 8 INCH WALL. PROVIDE #5 VERTICAL REINFORCEMENT AT 24" OC & #5 HORIZONTAL REINFORCEMENT AT 24" OC., DOWEL AND GROUT HORIZONTALS INTO EXISTING WALL WITH #5 REBAR 12" AND LAPPED WITH NEW HORIZONTAL REINFORCEMENT. IN OPENINGS ADJACENT TO EXISTING STRUCTURE WELD HORIZONTALS TO EXISTING STRUCTURE.

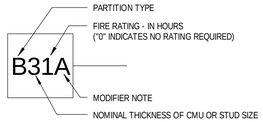
STANDARDS: GYPSUM BOARD PARTITIONS

(PROVIDE THESE FEATURES AT ALL GYPSUM BOARD & METAL STUD PARTITIONS)
1. PROVIDE TYPE "X" GYPSUM BOARD AT ALL FIRE RATED GYPSUM BOARD AND METAL STUD PARTITIONS
2. SPACE STUDS AT 16"OC, MAX, UNLESS OTHERWISE INDICATED
3. GYPSUM BOARD SHALL BE 5/8" THICK UNLESS OTHERWISE INDICATED
4. METAL STUDS AND ALL LAYERS OF GYPSUM BOARD ARE TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
5. PROVIDE MOLD & MOISTURE RESISTANT GYPSUM BOARD BEHIND ALL CERAMIC TILE WAINSCOT AND FULL HEIGHT CERAMIC TILE WALLS UNLESS OTHERWISE INDICATED.
6. PROVIDE SAG RESISTANT GYPSUM BOARD AT ALL INTERIOR CEILING APPLICATIONS UNLESS OTHERWISE INDICATED.
7. PROVIDE SOUND ATTENUATION BLANKETS FULL THICKNESS OF STUD UNLESS OTHERWISE INDICATED
8. PROVIDE ACOUSTICAL SEALANT AT ALL NON RATED PARTITIONS.
9. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR U.L. DESIGN - AT RATED PARTITIONS.

STANDARDS: FRPB PARTITIONS

(PROVIDE THESE FEATURES AT ALL FRPB PARTITIONS)
1. PROVIDE 20 GAUGE METAL STUDS AT FRPB WALLS UNLESS NOTED OTHERWISE
2. SPACE STUDS AT 16"OC, MAX, UNLESS OTHERWISE INDICATED
3. FIRE RATED PARTICLE BOARD SHALL BE 1/2" THICK UNLESS OTHERWISE INDICATED
4. METAL STUDS AND ALL LAYERS OF PARTICLE BOARD ARE TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
7. PROVIDE SOUND ATTENUATION BLANKETS FULL THICKNESS OF STUD UNLESS OTHERWISE INDICATED
8. PROVIDE ACOUSTICAL SEALANT AT ALL NON RATED PARTITIONS.
9. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR U.L. DESIGN - AT RATED PARTITIONS.

KEY TO PARTITION TYPE SCHEDULE



PARITION TYPE:
A: GYP BRD - 1 LAYER, 1SIDE
B: GYP BRD - 1 LAYER EACH SIDE
C: GYP BRD - 1 LAYER ONE SIDE, 2 LAYERS OTHER SIDE
D: GYP BRD - 2 LAYERS EACH SIDE
E: CMU
F: FRPB ON METAL STUDS - 1 LAYER EACH SIDE
H: PLUMBING CHASE - GYP BRD
J: GYP BRD - 1 LAYER EACH SIDE, SECURITY MESH ONE SIDE
S: GYPSUM SHAFTWALL
X: EXTERIOR FURRING - GYP BRD
Z: 'Z' FURRING

FOR STUD WALLS STUD SIZE IS INDICATED AS FOLLOWS:
1 - 1 5/8" STUD
2 - 2 1/2" STUD
3 - 3 5/8" STUD
4 - 4" STUD
5 - 1/2" RESILIENT FURRING CHANNELS
6 - 6" STUD
7 - 7/8" HAT SHAPED FURRING CHANNELS
8 - 8" STUD

FOR CMU WALLS THICKNESS IS INDICATED AS FOLLOWS:
4 - 3 5/8" CMU 9 - 9 5/8" CMU
6 - 5 5/8" CMU 1 - 11 5/8" CMU
8 - 7 5/8 CMU

FOR SHAFT WALLS STUD SIZE IS INDICATED AS FOLLOWS:
2 - 2 1/2" CH OR I STUD
4 - 4" CH OR I STUD

FIRE RATING - IN HOURS:
0 - NO RATING REQUIRED
1 - 1 HOUR (60 MINUTES)
2 - 2 HOURS (120 MINUTES)
5 - 1/2" HOUR (30 MINUTES)

MODIFIER NOTES
(PROVIDE THESE FEATURES WHERE NOTED WHERE NOTED IN PARTITION KEY)
A. PROVIDE SOUND ATTENUATION BLANKET.
B. TERMINATE GYP BOARD 6" ABOVE CEILING INSTEAD OF EXTENDING FULL HEIGHT.
C. FACE LAYER TO BE MOISTURE RESISTANT GYP BRD. PROVIDE SOUND ATTENUATION BLANKET FULL THICKNESS OF STUD.
D. PROVIDE ABUSE RESISTANT GYP BRD INSTEAD OF REGULAR OR TYPE "X".
E. PROVIDE CEMENT BACKER BOARD INSTEAD OF GYP BRD.
F. PROVIDE EXTRA LAYER OF GYP BRD ON EXPOSED SIDE AND SOUND ATTENUATION BLANKET FULL THICKNESS OF STUD.
G. CERAMIC TILE ON CEMENT BACKER BOARD
H. PARTITION TERMINATES AT 8'-0" A.F.F.
I. PARTITION TERMINATES AT UNDERSIDE OF CEILING
J. SMOKE TIGHT PARTITION
K. REFER TO (ST-7) LOW WALL DETAIL AS INDICATED ON FINISH SCHEDULE AND LEGEND SHEET
L. PARTITION INFILL AT DOOR OR WINDOW REMOVAL. REFER TO CMU NOTE 6 ABOVE.
M. ABUSE RESISTANT GWB EACH SIDE W/ POLYCARBONATE & CEMENT BOARD ON THREAT SIDE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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TITLE:
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LOCATION:
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375 RUSH - SCOTTSVILLE ROAD
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CLIENT:
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MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77
INTERIOR PARTITION TYPES

DRAWING NUMBER:
A - 1600

SHEET OF

36x24 PLOT SHEET

DOOR SCHEDULE

V	ROOM NAME	DOOR							FRAME					DETAILS			GLASS TYPE	FIRE RATING	HARDWARE		REMARKS	DOOR NO.
		EXISTING	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	TYPE	MATERIAL	FINISH	EXISTING	TYPE	MATERIAL	FINISH	ANCHORS	HEAD	JAMB	SILL			SET NO.	HAND		
01 - LEVEL 1																						
_101	VESTIBULE		3'-0"	7'-0"	1 3/4"	NV-M	STEEL	PTD	X			PTD	CEO	9/A-1602	8/A-1602	13/A-1602	M		2	RHR	MONITORED BY SECURITY	_101
_101A	VESTIBULE	X						PTD	X	F9		PTD					S-4		3	RHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	_101A
_102	ELECTRICAL	X						PTD	X			PTD					S-4		3	RH	REPLACE EXISTING 24" X 24" VISION PANEL	_102
_103	CORRIDOR	X						PTD	X	F3		PTD					S-4		10	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	_103
_103A	UNIT LOG ROOM	X						PTD	X	F9		PTD					S-4		10	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	_103A
_104	CORRIDOR	X						PTD	X	F11		PTD					S-4		3	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	_104
_105	PASSAGEWAY	X						PTD	X			PTD		2/A-1501					3	LHR		_105
_106	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD	X			PTD		2/A-1501					14	LH		_106
_107	A-1 (ADA)		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_107
_108	A-2		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_108
_109	A-3		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_109
_110	A-4		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_110
_111	A-5		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_111
_112	A-6		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_112
_113	A-7		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_113
_114	A-8		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_114
_115	A-9		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_115
_116	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_116
_117	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602	1	S-4		9	LH		_117
_118	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		7	LH		_118
_119	OUTSIDE STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD	CEO	9/A-1602	12/A-1602	13/A-1602			19	RHR		_119
_119A	MECHANICAL ROOM		3'-6"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		10/A-1602	11/A-1602	13/A-1602			19	LHR		_119A
_120	BATHROOM (ADA)		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		7	RH		_120
_121	CORRIDOR	X						PTD	X			PTD		2/A-1501			S-4		3	RHR	REPLACE EXISTING 24" X 24" VISION PANEL	_121
_122	LAUNDRY	X						PTD	X			PTD		2/A-1501			S-4		10	LH	REPLACE EXISTING 24" X 24" VISION PANEL	_122
_123	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD		F1	STEEL	PTD	CEO	5/A-1602	8/A-1602	13/A-1602	M		1	RHR	CONTROLLED BY SECURITY	_123
_123A	CORRIDOR		3'-4"	7'-0"	1 3/4"	HV	STEEL	PTD		F3	STEEL	PTD		3/A-1602	1/A-1602	1	S-4		13	LH		_123A
_124	CORRIDOR	X						PTD	X			PTD		2/A-1501					10	LHR		_124
_125	TOILET	X						PTD	X			PTD		2/A-1501					3	RH		_125
_126	VESTIBULE	X						PTD	X			PTD		2/A-1501			S-4		3	RH	REPLACE TWO EXISTING 24" X 30" VISION PANELS	_126
_126A	VESTIBULE	X						PTD	X 1			PTD							3	LH		_126A
_127	VESTIBULE		3'-0"	7'-0"	1 3/4"	NV-M	STEEL	PTD	X	F1	STEEL	PTD	CEO				S-4		2	RHR	MONITORED BY SECURITY	_127
_127A	VESTIBULE	X						PTD	X			PTD							3	RH		_127A
_127B	VESTIBULE	X						PTD	X			PTD		3/A-1602			G	≥5 MIN.	3	RHR	REPLACE TWO EXISTING 24" X 30" VISION PANELS	_127B
_128A	VESTIBULE	X						PTD	X			PTD		3/A-1602					14	RHR		_128A
_128B	TOILET	X						PTD	X			PTD		3/A-1602				1	3	RH		_128B
_129	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602				14	RHR		_129
_129A	STORAGE		2'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602				23	LHR		_129A
_130	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		7	RH	REVERSE EXISTING SWING	_130
_131	B-1		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	LH	REVERSE EXISTING SWING	_131
_132	B-2		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_132
_133	B-3		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	LH	REVERSE EXISTING SWING	_133
_134	B-4		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_134
_135	B-5		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_135
_136	B-6		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_136
_137	B-7		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	LH	REVERSE EXISTING SWING	_137
_138	B-8		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_138
_139	B-9		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	LH	REVERSE EXISTING SWING	_139
_140	B-10		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-1501			S-4		6	RH	REVERSE EXISTING SWING	_140
_141	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD		F1	STEEL	PTD	CEO				M		1	RHR	CONTROLLED BY SECURITY	_141
_141A	CORRIDOR	X						PTD	X	F10		PTD					S-4		3	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	_141A
_141B	CHASE		2'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1		PTD		3/A-1602	1/A-1602				23	RHR		_141B
_142	LAUNDRY		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		9	RH		_142
_143	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL	PTD		F1	STEEL	PTD				1	S-4		6A	RH		_143
_144	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL	PTD		F1	STEEL			3/A-1602	1/A-1602		S-4		6A	LH		_144
_145	IT		3'-6"	7'-0"	1 3/4"	F-M	STEEL	PTD		F1	STEEL			6/A-1602	7/A-1602	13/A-1602			20	RHR		_145
_146	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL			3/A-1602	1/A-1602		S-4		7	LH		_146
_147	CORRIDOR	X						PTD	X					2/A-1501			S-4		3	RH	REPLACE EXISTING 24" X 24" VISION PANEL	_147
_148	OFFICE	X						PTD	X			PTD		2/A-1501				1	3	RH		_148
_150	ACTIVITY ROOM		3'-6"	7'-0"	1 3/4"	NV-M	STEEL	PTD	X		STEEL	PTD	CEO				M		2	LHR	MONITORED BY SECURITY	_150
_150A	CORRIDOR	X						PTD	X			PTD		2/A-1501			G	45 MIN.	3	RHR	REPLACE EXISTING 24" X 24" VISION PANEL	_150A
_150B	ACTIVITY ROOM		3'-0"	7'-0"	1 3/4"	F		PTD		F1	STEEL	PTD		3/A-1602	1/A-1602				23	LH		_150B
_151	TOILET		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-1602	1/A-1602		G	45 MIN.	7B	RHR		_151
_152	MECHANICAL ROOM		3'-8"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602			1	14A	LHR		_152
_152A	MECHANICAL ROOM		2'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602				23			_152A
_153	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		9	LHR		_153
_154	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		9	LHR		_154
_155	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		9	RHR		_155
_156	MAIN ACTIVITY AREA		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		13	LHR		_156
_157	TOILET		3'-0"	7'-0"	1 3/4"	F	FRP	FF	X					2/A-1501				45 MIN.	7A	LHR	NEW FRP DOOR IN EXISTING FRAME	_157
_158	CLASSROOM	X						PTD	X			PTD		2/A-1501				1	10	LHR		_158
_159	MAIN ACTIVITY AREA		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		13	LHR		_159
_159A	MAIN ACTIVITY AREA		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X		STEEL						M		2	LHR	MONITORED BY SECURITY	_159A
_160	STORAGE	X							X					2/A-1501					10	LHR		_160
_161	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		9	LHR		_161
_162	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-M	STEEL	PTD		F1	STEEL	PTD	CEO	3/A-1602	1/A-1602		M		2	LHR	MONITORED BY SECURITY	_162
_163	TOILET		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		11	RH		_163
_165	PANTRY		3'-0"	7'-0"	1 3/4"	HG	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		14	LH		_165
_166	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602				14	RH		_166
_167	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		14	LH		_167
_169	MECHANICAL & FIRE SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD							19	LHR		_169
_170	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		14	LH		_170
_171	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4	1	14	RH		_171
_172	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602		S-4		14	RH		_172
_173	MECHANICAL & WATER SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-1602	1/A-1602			45 MIN.	19A	LH		_173
_173A	MECHANICAL & WATER SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD	X 1	F1	STEEL	PTD			1				20	LHR		_173A

F-M

NV-M
NV-C

(2) INTERIOR DOOR PANEL TYPES
3/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 77 = 1 — BUILDING DESIGNATOR

1-100 — BUILDING 77 ROOM NUMBERS

1-100 — BUILDING 77 DOOR NUMBERS

DOOR SCHEDULE ABBREVIATIONS

DOOR MATERIALS

AL:	ALUMINUM
FRP:	FIBERGLASS RE-INFORCED PLASTIC
STL:	STEEL
SS:	STAINLESS STEEL
STL PLT:	STEEL PLATE
WD:	WOOD

FRAME MATERIALS

AL:	ALUMINUM
CI:	CHANNEL IRON
STL:	STEEL
SS:	STAINLESS STEEL
WD:	WOOD

DOOR TYPES

DA:	DOUBLE ACTING
F:	FLUSH
FG:	FULL GLASS
HG:	HALF GLASS
LVR:	LOUVER
NV:	NARROW VISION
V:	VISION

ANCHOR TYPES

M:	ADJUSTABLE YOKE & STRAP WELDED-IN
EWA:	EXISTING WALL ANCHOR WELDED-IN
MS:	METAL STUD ANCHOR WELDED-IN
WS:	WOOD STUD ANCHOR WELDED-IN
IMBED:	MASONRY DETENTION ANCHOR
CEO:	CONCEALED EXISTING OPENING

GLASS TYPE

D:	TEMPERED
I:	LAMINATED SAFETY
M:	INSULATED
S-1:	1/2" MONOLITHIC POLYCARBONATE
S-3:	1-5/16" GLASS CLAD POLYCARBONATE LAMINATE
S-4:	9/16" GLASS CLAD POLYCARBONATE LAMINATE
S-5:	1" LAMINATED POLYCARBONATE
S-6:	1-1/4" LAMINATED POLYCARBONATE
S-7:	7/8" GLASS CLAD POLYCARBONATE
S-9:	1/2" LAMINATED POLYCARBONATE

HAND TYPE

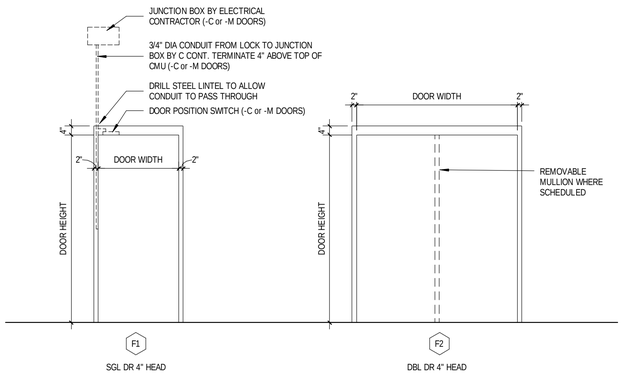
LH:	LEFT HAND
LHR:	LEFT HAND REVERSE
LHRA:	LEFT HAND REVERSE ACTION
LHRA (PAIR):	LEFT HAND REVERSE ACTION PAIR
RH:	RIGHT HAND
RHR:	RIGHT HAND REVERSE
RHRA:	RIGHT HAND REVERSE ACTION
RHRA (PAIR):	RIGHT HAND REVERSE ACTION PAIR

FINISHES

IAL-4:	INTERIOR STEEL DOORS & FRAMES
FF:	FACTORY FINISH
EAL-3:	EXTERIOR STEEL DOORS & FRAMES

GENERAL NOTES:
1. FF= FACTORY FINISH
2. ALL NEW AND EXISTING DOORS AND FRAMES TO BE PAINTED UNLESS NOTED AS FF (FACTORY FINISH), COLOR BY DIRECTORS REPRESENTATIVE
3. AT ALL DOORS AND SIDELIGHTS TO RECIEVE VISION PANEL REPLACEMENT, VERIFY EXISTING VISION PANEL OPENINGS.
4. PROVIDE NEW GLAZING KIT AT ALL VISION PANEL REPLACEMENTS IN DOORS AND SIDELIGHTS.
5. AT ALL EXISTING FRAMES TO RECEIVE NEW DOORS, FIELD VERIFY EXISTING FRAME OPENINGS.

(1) INTERIOR FRAME TYPES
1/4" = 1'-0"



(1) HOLLOW METAL FRAME TYPES - CMU
3/8" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

EYP/

WARNING

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

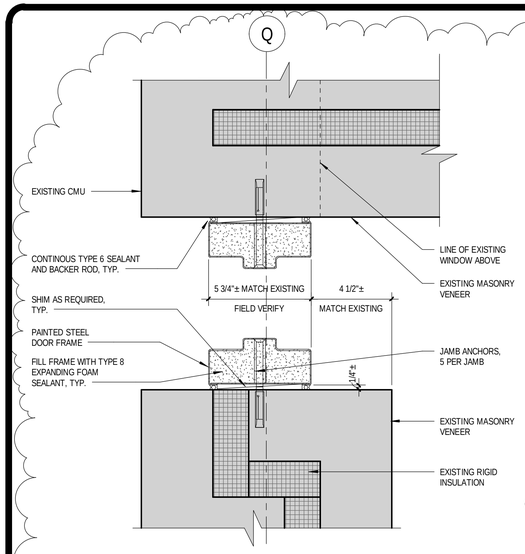
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

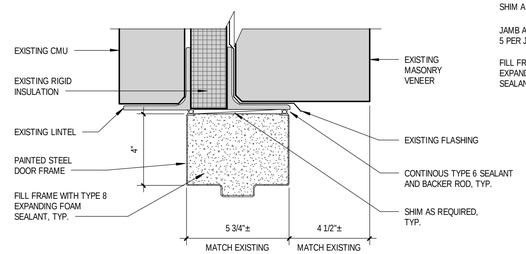
SHEET TITLE:
BUILDING 77
DOOR SCHEDULE, FRAMES, & TYPES

DRAWING NUMBER:
A - 1601

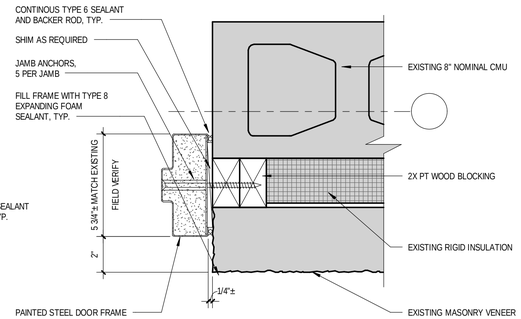
SHEET OF



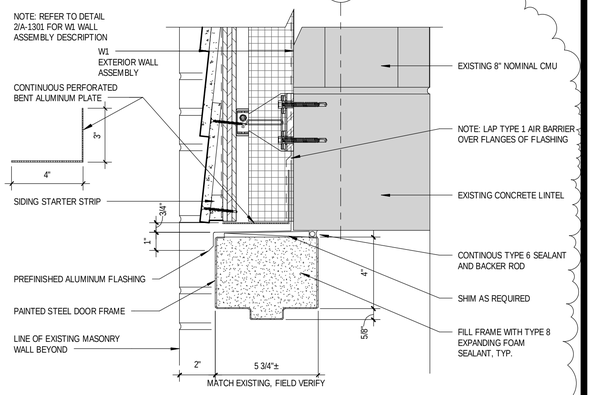
9 HEAD DETAIL AT DOOR 119
3" = 1'-0"



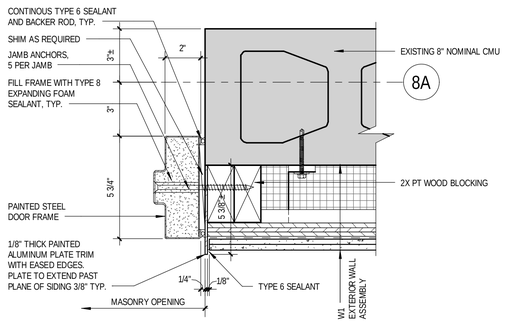
8 JAMB DETAIL AT DOORS 101 AND 123
3" = 1'-0"



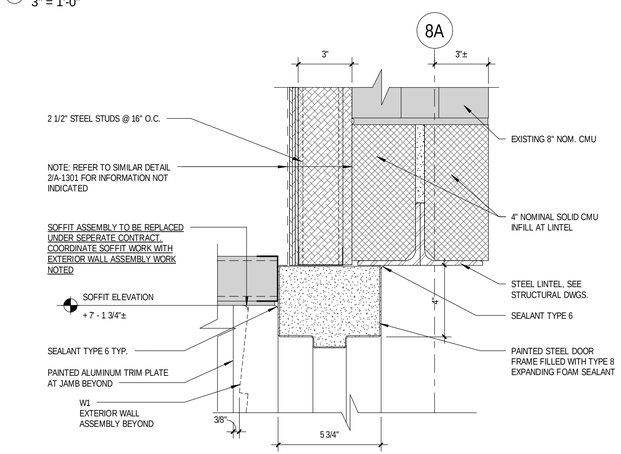
5 HEAD DETAIL DOORS 101 & 123
3" = 1'-0"



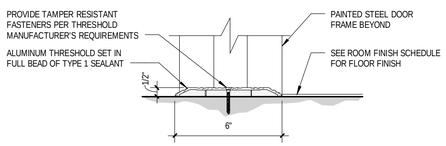
12 JAMB DETAIL AT DOOR 119
3" = 1'-0"



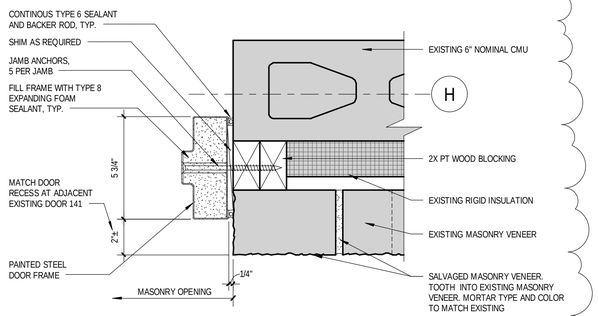
11 JAMB DETAIL AT DOOR 119A
3" = 1'-0"



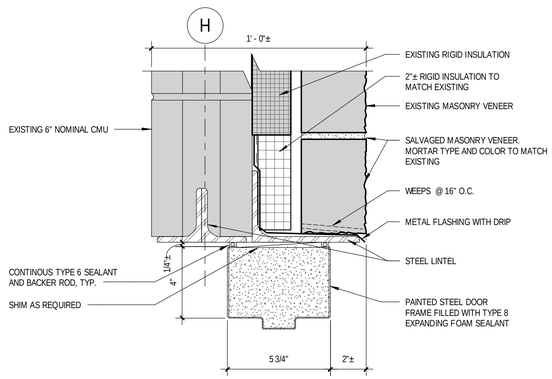
10 HEAD DETAIL AT DOOR 119A
3" = 1'-0"



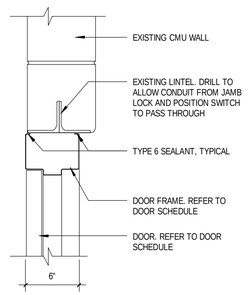
13 SILL DETAIL
3" = 1'-0"



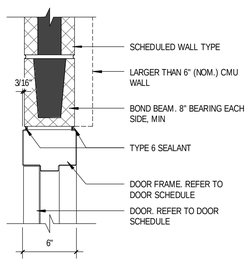
7 JAMB DETAIL DOOR 145
3" = 1'-0"



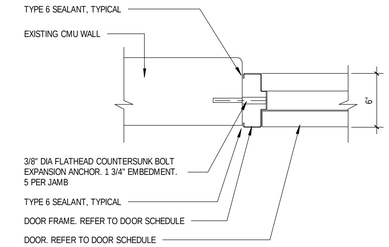
6 HEAD DETAIL DOOR 145
3" = 1'-0"



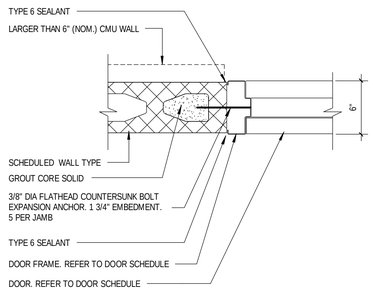
4 INTERIOR DOOR HEAD DETAIL - EXISTING
1 1/2" = 1'-0"



3 INTERIOR DOOR HEAD DETAIL
1 1/2" = 1'-0"



2 INTERIOR DOOR JAMB - EXISTING
1 1/2" = 1'-0"



1 INTERIOR DOOR JAMB
1 1/2" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

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REGISTERED ARCHITECT RAYMOND L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77
DOOR DETAILS

DRAWING NUMBER:
A - 1602

SHEET OF



1 FLOOR FINISH PLAN
1/8" = 1'-0"

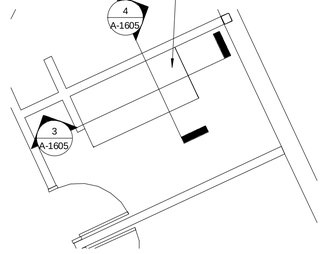
BUILDING DESIGNATION

BUILDING 77 = 1

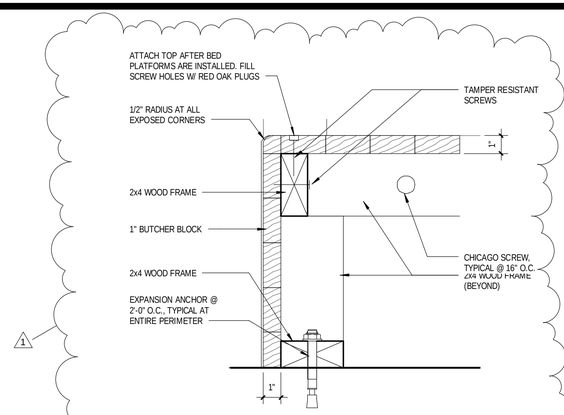
BUILDING DESIGNATOR
1-100 BUILDING 77 ROOM NUMBERS
1-100 BUILDING 77 DOOR NUMBERS

FINISH KEY

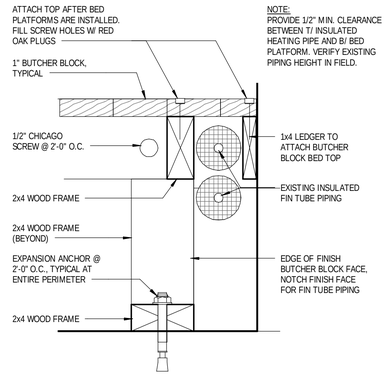
- CONC - SEALED CONCRETE
- C- BROADLOOM CARPET
- ECT- EPOXY RESIN
- VT- VINYL TILE



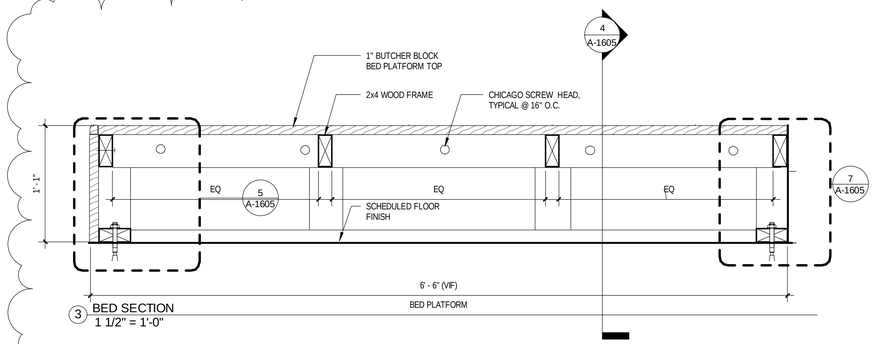
2 TYPICAL BED PLATFORM
1/4" = 1'-0"



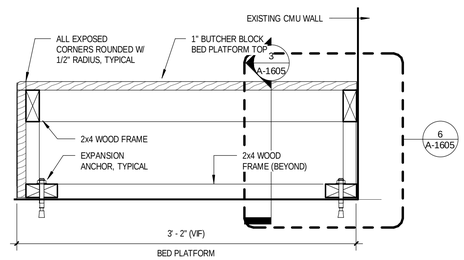
5 TYPICAL BED CORNER DETAIL
3" = 1'-0"



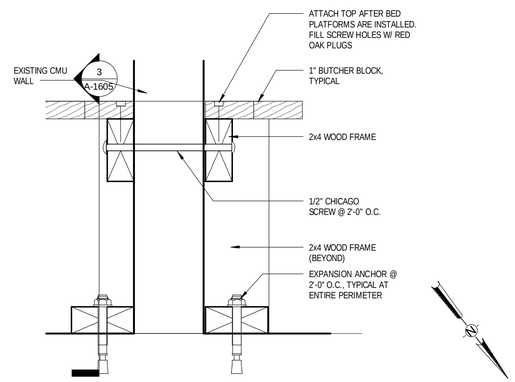
7 BED DETAIL AT FIN TUBE
3" = 1'-0"



3 BED SECTION
1 1/2" = 1'-0"



4 BED CROSS SECTION
1 1/2" = 1'-0"



6 TYPICAL BED ATTACHMENT TO WALL
3" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77
FLOOR FINISH PLAN

DRAWING NUMBER:
A - 1605

SHEET OF

GENERAL REMOVAL NOTES

1. GENERAL REMOVAL NOTES ARE TYPICAL FOR ALL REMOVAL DRAWINGS.

2. ASBESTOS, LEAD, AND/OR OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING. COORDINATE ACCORDINGLY WITH THE HAZMAT ABATEMENT CONTRACTOR'S WORK FOR ALL REMOVALS AND ALL OTHER TRADES.

3. NOTIFY DIRECTOR'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPENCIES IN THE DRAWINGS REGARDING THE REMOVAL OF POTENTIALLY LOAD BEARING STRUCTURAL ELEMENTS NOT DOCUMENTED OR DETAILED AS SUCH.

4. SEE REMOVAL KEY NOTES ON REMOVAL DRAWINGS FOR SPECIFIC REMOVALS.

5. REMOVE ITEMS LISTED/NOTED TO BE REMOVED IN THEIR ENTIRETY, UNLESS NOTED OTHERWISE.

6. AT ALL PARTITION, STRUCTURAL, AND/OR FLOOR REMOVALS PROVIDE TEMPORARY SHORING/BRACING AS REQUIRED TO MAINTAIN STABILITY AND SOUNDNESS OF EXISTING TO REMAIN CONSTRUCTION.

7. ALL REMOVALS SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER, AVOIDING DAMAGE TO ADJACENT SURFACES TO REMAIN AND TO FACILITATE THE SUBSEQUENT PATCHING AND RESTORATION OF THE SURFACES.

8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE APPROPRIATELY PROTECTED FOR THE DURATION OF THE CONSTRUCTION PERIOD. ANY DAMAGES INCURRED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING CONSTRUCTION AND FINISHES AT THE CONTRACTOR'S EXPENSE.

9. WHEN WORKING WITH EXISTING TO REMAIN COMPONENTS THAT ARE INDICATED TO CONTAIN LEAD ON THE EXISTING HAZARDOUS MATERIAL INFORMATION SURVEYS, REPORTS, AND/OR DRAWINGS, THE CONTRACTOR SHALL IMPLEMENT PROGRAMS AND PROCEDURES WHICH COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS THAT ARE APPLICABLE TO LEAD PAINT.

10. REMOVE, PROTECT, STORE, AND RE-INSTALL ANY ITEMS AS NOTED ON THE DRAWINGS.

11. AT ALL FLOOR FINISH REMOVALS, REMOVE ALL EXISTING FLOOR FINISHES, MASTICS, MUD SET, ADHESIVES, FASTENERS, ETC. DOWN TO EXISTING CONCRETE SLAB. CONTRACTOR TO PREPARE SLAB FOR NEW FINISHES WITH COMPATABLE SLAB PREP MATERIALS.

12. AT ALL FLOOR FINISH REMOVALS AND WALL REMOVALS, INFILL AND PATCH SLAB TO MATCH EXISTING ADJACENT SLAB ELEVATION WITH NEW FLASH PATCH TRANSITION SO THAT ALL NEW FLOOR FINISHES ARE FLUSH, VERIFY IN FIELD.

13. AT ALL FLOOR FINISH REMOVALS, REMOVE EXISTING WALL BASE UNLESS NOTED OTHERWISE.

14. AT ALL EXISTING CONCRETE FLOOR SLABS THAT ARE TO RECEIVE FLOOR FINISHES, PREP SLAB SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FLOOR FINISH/ACCESSORY MANUFACTURER AND THE FLOOR FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

15. AT ALL EXISTING WALLS AND CEILINGS THAT ARE TO RECEIVE FINISHES, PREP SUBSTRATE SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FINISH/ACCESSORY MANUFACTURER AND THE FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

16. AT ALL CEILING REMOVALS, REMOVE ALL LAYERS OF EXISTING CEILINGS AND HARDWARE AND ACCESSORIES. EXISTING CEILING SYSTEM TO BE REMOVED INCLUDES BUT IS NOT LIMITED TO A METAL FRAMING SUPPORT SYSTEM, 5/8" GWB, AND AN ADHERED ACCOUSTICAL CEILING TILE SYSTEM.

17. COORDINATE ALL REMOVAL WORK WITH OVERALL PROJECT PHASING AND EXTENT OF ALL NEW WORK.

18. FIELD VERIFY ALL REMOVAL SCOPE. SOME ITEMS TO BE REMOVED MAY NOT BE REPRESENTED VISUALLY.

19. OBJECTS SHOWN ON SPECIFIC REMOVAL PLANS WITH A "DASHED" LINE ARE TO BE REMOVED IN THEIR ENTIRETY BACK TO SOUND STRUCTURE AND IN SOME CASES REMOVED TEMPORARILY FOR FUTURE RE-INSTALLATION. ADEQUATE CARE SHALL BE TAKEN TO PRESERVE ALL ADJACENT FINISHES/WALLS ETC. TO REMAIN.

20. IN LOCATIONS RECEIVING FLOORING GRIND SMOOTH & PATCH EXISTING CONCRETE FLOOR. REFER TO TO MANUFACTURERS RECOMMENDATIONS FOR FLOOR PREPARATION REQUIREMENTS.

GENERAL NOTES

1. GENERAL NOTES ARE TYPICAL FOR ALL DRAWINGS.

2. EXISTING CONDITIONS NOTED ARE AS OF SURVEY. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. RESOLVE ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS WITH THE DIRECTOR'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS SHALL BE COORDINATED AND RESOLVED BY THE CONTRACTOR.

3. DO NOT SCALE THE DRAWINGS. DIRECT DIMENSIONAL DISCREPANCIES AND QUESTIONS TO THE DIRECTOR'S REPRESENTATIVE. CENTER PARTITIONS ON COLUMNS OR MULLIONS UNLESS OTHERWISE NOTED, OR USE "EQUAL/EQUAL" AND ALIGN SURFACES TO LOCATE PARTITIONS. OBTAIN DIRECTION BEFORE PROCEEDING WITH THE WORK.

4. FIELD VERIFY DIMENSIONS FOR ALL OPENINGS FOR INFILLS, WINDOWS, DOORS, AND LOUVERS.

5. MECHANICAL/PLUMBING CHASE DIMENSIONS AT CMU CONSTRUCTION ARE TO/FROM FACE OF CMU AND INDICATE CLEAR DIMENSIONS. COORDINATE EXACT SIZE AND LOCATIONS WITH HVAC AND PLUMBING DRAWINGS.

6. INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS' INSTRUCTIONS.

7. LOCATE ALL EXISTING UTILITIES AND SERVICES PRIOR TO START OF WORK.

8. PROTECT FROM DAMAGE ALL ADJACENT AREAS AND PROPERTIES, INCLUDING BUT NOT LIMITED TO LANDSCAPING AND EXTERIOR & INTERIOR BUILDING SURFACES, FIXED-FURNITURE, SHELVING, MILLWORK, ETC.

9. AT ALL EXISTING SURFACES TO REMAIN, FULLY REPAIR AND PREPARE SURFACE TO RECEIVE FINISHES INCLUDING BUT NOT LIMITED TO FILLING HOLES, REPAIR CRACKS, REMOVE PAINT, FIX/PATCH AND REPAIR ALL UNSOUND MATERIAL, MAKING FINISHED SURFACES FLUSH AND SMOOTH WITH ADJACENT FINISHED SURFACES.

10. REPAIR AND PATCH ALL EXISTING SURFACES DAMAGED BY REMOVALS TO MATCH EXISTING ADJACENT SURFACE MATERIALS AND FINISH AND CONSTRUCTION TYPE / DEPTH.

11. METAL STUD PARTITION DIMENSIONS SHOWN ARE FROM FACE OF STUD TO FACE OF STUD UNLESS OTHERWISE NOTED. MASONRY WALL PARTITIONS ARE DIMENSIONED FACE OF MASONRY TO FACE OF MASONRY UNLESS OTHERWISE NOTED. FIELD VERIFY ALL DIMENSIONS. DIMENSIONS NOTED "CLEAR" ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF ARCHITECT. ALL DIMENSIONS ARE IN FEET AND INCHES.

12. THESE DRAWINGS ARE PREPARED AND COORDINATED WITH THE PROJECT MANUAL WHICH INCLUDES TECHNICAL SPECIFICATIONS. TOGETHER THESE FORM THE CONSTRUCTION DOCUMENTS.

13. CHALK LINE ALL PARTITION LAYOUTS AND COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO SCHEDULE REVIEW WITH ARCHITECT PRIOR TO CONSTRUCTING PARTITIONS

14. PROVIDE CONTINUOUS METAL OR FIRE TREATED WOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF ALL WALL MOUNTED EQUIPMENT, TOILET ACCESSORIES AND GRAB BARS, CABINETS, SHELVING, WOOD CHAIR RAIL, WALL BUMPERS, WALL MOUNTED HAND RAILS, WOOD BASE AND CROWN MOULDINGS.

15. PROVIDE 3/4" FRT PLYWOOD AT ALL ELECTRICAL AND TELEPHONE/COMMUNICATION/CONTROL CLOSETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS FOR EXACT LOCATIONS.

16. UNLESS OTHERWISE SPECIFIED, PAINT ALL ACCESS DOORS TO MATCH ADJACENT COLOR AND PAINT TYPE.

17. PAINT ALL DOOR AND WINDOW STEEL LINTELS PAINT TYPE EAL-4 OVER ESP PRIMER.

18. PROVIDE CONTROL JOINTS AT INTERIOR CONCRETE MASONRY UNIT PARTITIONS AT 25'-0" ON CENTER MAXIMUM, OR AS INDICATED ON DRAWINGS.

19. PROVIDE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM FOR ALL GWB WALLS AND AT 50 FOOT O.C. MAXIMUM, WITH AREAS NOT TO EXCEED 2,500 SQ. FT. FOR ALL CEILINGS, OR AS INDICATED ON DRAWINGS.

20. LOCATE DOORS WITH 4" CLEAR FROM HINGE SIDE JAMB TO PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.

21. DURING CONSTRUCTION, ALTERATION AND REMOVALS COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 (INTERNATIONAL FIRE CODE) CHAPTER 33, (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.)

22. DURING CONSTRUCTION, ALTERATION AND REMOVALS, COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 CHAPTER 3, SECTION 307 AND 308 (OPEN BURNING AND OPEN FLAMES).

23. PARTITION TYPES ARE REFERENCED ON THE CONSTRUCTION PLANS AND ARE DESCRIBED ON THE INTERIOR PARTITION TYPES SHEET.

24. ALL NEW PARTITIONS TO TERMINATE AT UNDERSIDE OF SLAB OR DECK ABOVE, UNLESS NOTED OTHERWISE.

25. ALL EXISTING CONDITIONS DAMAGED FROM EQUIPMENT REMOVAL TO BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING.

26. ALL INTERIOR DOOR FRAMES TO BE INSTALLED WITHIN CMU WALLS TO BE NON-GROUTED UNLESS NOTED OTHERWISE.

27. PROVIDE ALL PRESSURE TREATED WOOD BLOCKING AND SHIMS AS REQUIRED FOR SUPPORT AND INSTALLATION OF WINDOWS AND DOORS.

28. PROVIDE CONTINUOUS FULL DEPTH FIBERGLASS BATT INSULATION IN THE VOIDS BETWEEN WINDOWS AND DOORS AND THE WALL CONSTRUCTION.

29. PROVIDE CONTINUOUS SEALANT AT ALL JOINTS WHERE NEW WINDOW AND DOOR FRAMES BUTT INTO THE WALL CONSTRUCTION.

30. PROVIDE CONTINUOUS TYPE 6 SECURITY SELANT UNLESS NOTED OTHERWISE.

SEALANT SCHEDULE

TYPE	USE / APPLICATION
1	AT EXTERIOR ENVELOPE JOINT CONDITIONS SUCH AS WINDOW, LOUVER, DOOR FRAME, & MASONRY CONTROL JOINTS / EXPANSION JOINTS AND OTHER SIMILIAR.
1A	AT INTERSECTION OF EXTERIOR CONCRETE WALKS & BUILDING FACADE / FOUNDATION.
5	AT INTERIOR SMOKE PARTITIONS - REFER TO CODE COMPLIANCE DRAWINGS FOR SMOKE PARTITIONS.
6	AT TYPICAL INTERIOR LOCATIONS NOT INDICATED HERE AS ANOTHER SEALANT TYPE.
8	AT AIR GAPS AROUND WINDOWS FRAMES, DOOR FRAMES, ROUGH OPENINGS, AND/OR AS INDICATED ON THE DRAWINGS.

ARCHITECTURAL ABBREVIATIONS

A	
AAF	ABOVE ACCESS FLOOR
ABV	ABOVE
ACCES	ACCESSIBLE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN, ACCESS DOOR
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFL	ACCESS FLOOR(ING)
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURE (URE,URAL)
AS	ABOVE SLAB
ASPH	ASPHALT
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
B/C	BOTTOM OF CURB
BALC	BALCONY
BD	BOARD
BEL	BELOW
BET	BETWEEN
BKBD	BACKBOARD
BLDG	BUILDING
BLKG	BLOCKING
BLKHD	BULKHEAD
BM	BEAM
BOD	BASIS OF DESIGN
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMT	BASEMENT
BUR BYD	BUILT-UP ROOF BEYOND
C	CONDUIT
CAB	CABINET
CAP	CAPACITY
CAT	CATALOG
CB	CATCH BASIN
CEM	CEMENT
CF	CUBIC FOOT
CI	CAST IRON
CJ	CONTROL JOINT
CLG	CEILING (SEE ALSO MECH ABBREVIATIONS)
CLL	CONTRACT LIMIT LINE
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT

ARCHITECTURAL ABBREVIATIONS

CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENS(ATE,ER,ING,ATION)
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINU(OUS,ATION)
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CW	COLD WATER
CWR	COLD WATER RETURN
CY	CUBIC YARD
CYL	CYLINDER
DET	DETAIL
DRWR	DRAWER
DS	DOWNSPOUT
DWGS	DRAWINGS
EF	EXHAUST FAN
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOS(E,SURE)
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPX	EPOXY
EQ	EQUAL
EQUIP/EQPT	EQUIPMENT
ETR	EXISTING TO REMAIN
ETRL	EXISTING TO BE RELOCATED
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
F/C	FLOOR TO CEILING
FAI	FRESH AIR INTAKE
FB	FOILBACKED
FBR	FABRIC
FD	FLOOR DRAIN, FIRE DAMPER
FDN, FOUND	FOUNDATION
FDVC	FIRE DEPT. VALVE CABINET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FIN	FINISH(ED)
FL, FLR	FLOOR
FLAM	FLAMMABLE
FLOUR	FLOURECENT
FO	FIBER OPTIC(S)

ARCHITECTURAL ABBREVIATIONS

FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOP	FACE OF PILASTER
FP	FIRE PROTECTION, FILLER PANEL
FRT	FIRE RETARDANT TREAT(ED,MENT)
FS	FLOOR SINK
FSACCP	FLAT SEAM ALLOY - COATED COPPER PANEL
FT	FEET, FOOT, FULL TIME
FTG	FOOTING
GC	GENERAL CONTRACTOR
HTR	HEATER
HVAC	HEATING,VENTILATION, AIR CONDITIONING
HW	HOT WATER
HWD	HARDWOOD
HWR	HOT WATER RETURN
I.E.	THAT IS
ID	INSIDE DIAMETER
IN	INTERIOR
INV	INVERT(ED)
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
JG	JAMB GUARD
JT	JOINT
JTS	JOINTS
KS	KNEE SPACE, KICK SPACE
LAM	LAMINATED
LAV	LAVATORY
LGMF	LIGHT GAUGE METAL FRAMING
LIN	LINEN
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
MB	MARKER BOARD
MEJ	MASONRY EXPANSION JOINT
MTD	MOUNT(ED)
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OPG	OPENING

ARCHITECTURAL ABBREVIATIONS

OPP	OPPOSITE
OZ	OUNCE
P	POLE
PB	PULL BOX
PCC	PRECAST CONCRETE
PD	PRESSURE DROP
PH	PHASE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POLY	POLYCARBONATE
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R_	RISER LINE
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
RESIL	RESILIENT
RLE	RELOCATE EXISTING
RM	ROOM
RTU	ROOF TOP UNIT
S&R	SHELF & ROD
SB	SMART BOARD
SC	SPECIAL COATING, SOLID CORE
SD	SOAP DISPENSER
SF	SQUARE FOOT/FEET
SG	SAFTEY GLASS
SHT	SHEET
SIM	SIMILAR
SLD	SEALED
SOG	SLAB ON GRADE
SP	SUMP PUMP
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
ST	STORM SEWER, STONE, STAIN
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCUR(E, AL)

ARCHITECTURAL ABBREVIATIONS

SUSP	SUSPEND(ED)
SYS	SYSTEM
T	THREAD
T&B	TOP & BOTTOM
T&G	TOUNGE & GROOVE
T/	TOP OF
T/C	TOP OF CONCRETE
T/F	TOP OF FRAME
T/S	TOP OF STEEL
T/W	TOP OF WALL
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZO
THK	THICK
THR	THRESHOLD
TOIL	TOILET
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERUPTABLE POWER SUPPLY
UTIL	UTILITY
VAR	VARIABLE
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FEILD
VIN	VINYL
VT	VAPOR TIGHT
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WIDE, WIDTH, WATER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WATERPROOF
WT	WEIGHT
WTC	WATER COOLER
WTR	WATER

NAME
#
S.F.

ROOM NAME & NUMBERS

#
DOOR NUMBERS

A1
COLUMN NUMBERS

00.00 ELEVATION TARGET

WINDOW/ LOUVER TYPE

#
REVISION NUMBER

WALL/ PARTITION TYPES

CPT-1 MATERIAL KEY NOTE

CONSTRUCTION KEY NOTE

FB FLOOR BOX

FD FLOOR DRAIN

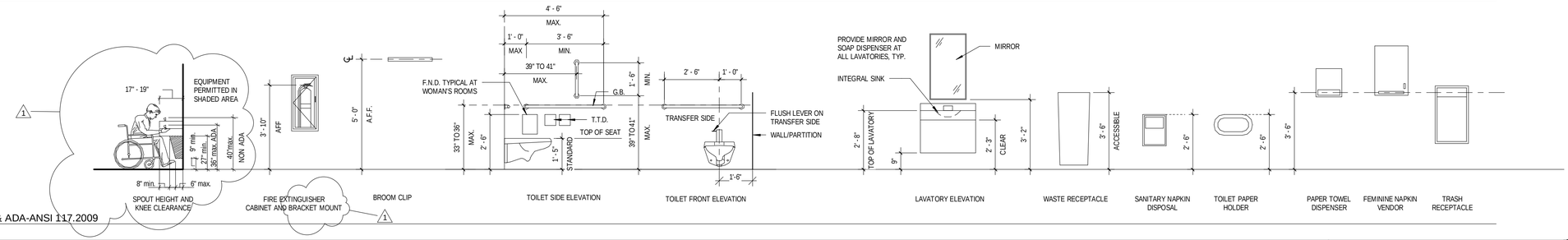
? CASEWORK TAG

? EQUIPMENT TAG

	EXISTING TO BE REMOVED	EXISTING TO REMAIN	WORK
WALL			
DOOR			
WINDOW			
CASEWORK			
MILLWORK			
OPENING			
SINK			

ALUMINUM
BATT INSULATION
BRICK
COMPACTED BACKFILL
CONCRETE
CONCRETE MASONRY UNITS
EARTH
FINISH WOOD
GLASS IN ELEVATION
GRANDULAR FILL
GYPSUM WALL BOARD OR GROUT
PARTICLE BOARD / FIBER BOARD
PLYWOOD
RIGID INSULATION / ROOF INSULATION
ROUGH WOOD BLOCKING (CONTINUOUS)
ROUGH WOOD BLOCKING (INTERRUPTED)
STEEL
STONE (CUT OR CAST)

2 TYPICAL SYMBOLS & ABBREVIATIONS
1/8" = 1'-0"



1 TYP MOUNTING HEIGHTS & ADA-ANSI 117.2009
3/8" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

EYP/

WARNING

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78
TYPICAL SYMBOLS AND ABBREVIATIONS

DRAWING NUMBER:
A - 2001

SHEET OF

INTERNATIONAL EXISTING BUILDING CODE (IEBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**PROVISIONS FOR ALL COMPLIANCE METHODS**		
301.2	COMPLIANCE METHOD	WORK AREA COMPLIANCE METHOD; COMPLY WITH APPLICABLE CHAPTERS 5-13	CHAPTERS 5-9 APPLY, CHAPTER 10-13 DO NOT APPLY (CHANGE OF OCCUPANCY, ADDITIONS, HISTORIC BUILDINGS AND RELOCATED OR MOVED BUILDINGS)
5	**CLASSIFICATION OF WORK**		
505.1	LEVEL 3 ALTERATION	COMPLY WITH CHAPTERS 7-8-9	
7	**ALTERATIONS LEVEL 1**		
702.1.1	INTERIOR FINISHES	COMPLY WITH IBC CHAPTER 8	SEE IBC 803.11; FINISH SCHEDULE AND PROJECT MANUAL
702.2	INTERIOR FLOOR FINISH	COMPLY WITH IBC SECTION 804	SEE IBC 804.2.2, SEE FINISH SCHEDULE AND PROJECT MANUAL
702.3	INTERIOR TRIM	COMPLY WITH IBC SECTION 806	SEE FINISH SCHEDULE AND PROJECT MANUAL FOR COMPLIANCE
702.5	EMERGENCY ESCAPE AND RESCUE WINDOWS	REQUIRED AT R-2 AND R-3	NA - I-3 OCCUPANCY
702.6	MATERIALS AND METHODS	NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE IBC, IECC, IMC AND IPC	
703	FIRE PROTECTION	SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED	SEE 803
704	MEANS OF EGRESS	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS	SEE 804
705.1.7	ACCESSIBLE SLEEPING UNITS (CELLS)	IBC 1107 SHALL APPLY TO THOSE BEING ALTERED: 3% OR 1 WHICHEVER IS GREATER SHALL BE ACCESSIBLE	0 CELLS CONSIDERED RECONFIGURED; 1 WILL BE ACCESSIBLE FROM 1ST
705.1.9	ACCESSIBLE TOILET ROOMS	REQUIRES ACCESSIBLE TOILET COMPLYING WITH IBC 1109 UNLESS TECHNICALLY INFEASIBLE. IBC 1109.2 PARAGRAPH 3 STATES "WHERE SINGLE USER TOILETS ARE CLUSTERED, MINIMUM OF OF 50%, BUT NOT LESS THAN 1 SHALL BE ACCESSIBLE"	AT NEW RECONFIGURED BATHROOM LOCATIONS IN SLEEPING AREAS - 2 REQUIRED, 2 PROVIDED. AT REMAINDER OF BUILDING, IT IS TECHNICALLY INFEASIBLE TO MAKE ALL TOILET ROOMS ACCESSIBLE DUE TO AREA RESTRICTIONS AND PROGRAM REQUIREMENTS.
705.2	ALTERATION AFFECTING AREA CONTAINING PRIMARY FUNCTION	WHERE ALTERATION AFFECTS THE ROUTE TO PRIMARY FUNCTION SHALL IT SHALL BE ACCESSIBLE	NO CHANGE TO ROUTES TO PRIMARY FUNCTION
706	REROOFING	COMPLY WITH IBC CHAPTER 15,	WORK COMPLETED UNDER SEPARATE EMERGENCY PROJECT, DOES NOT ALTER CLASSIFICATION LEVEL
707.3.2	ROOF DIAPHRAGMS IN HIGH WIND AREAS	WHEN REROOFING AND V_{ULT} >115 MPH (DETERMINED IN ACCORDANCE WITH FIGURE 1609.3(1) OF THE IBC), AND GREATER THAN 50% REROOFING, REINFORCEMENT REQUIRED	V_{ULT} IS NOT GREATER THAN 115 MPH ACCORDING TO FIGURE 1609.3(1) OF THE IBC
708.1	ENERGY CONSERVATION	NEW ELEMENTS TO COMPLY WITH 2015 IECC	ROOF WORK COMPLETED UNDER SEPARATE EMERGENCY PROJECT; EXTERIOR WALL WORK WILL COMPLY, DOES NOT ALTER CLASSIFICATION LEVEL
8	**ALTERATIONS LEVEL 2**		
801.2	ALTERATIONS LEVEL 1	COMPLY WITH IEBC CHAPTER 7	SEE ABOVE
802	SPECIAL USES AND OCCUPANCIES	COMPLY WITH THIS CHAPTER	I-3 OCCUPANCY IS A SPECIAL USE, BUT NO EXTRA REQUIREMENTS SEE 902
803.2	VERTICAL OPENINGS	1 HOUR ENCLOSURE	NA - ONE STORY BUILDING
803.3	SMOKE COMPARTMENTS	REQUIRED AT I-2 OCCUPANCIES	NA FOR I-3 OCCUPANCIES
803.4.1	SUPPLEMENTAL INTERIOR FINISHES REQUIRED	WHERE WORK AREA EXCEEDS 50% OF A FLOOR, COMPLY WITH 803.4	ALL FINISHES WILL BE NEW AND MEET CURRENT INTERIOR FINISH REQUIREMENTS. SEE FINISH SCHEDULE AND PROJECT MANUAL FOR COMPLIANCE
803.6	EXISTING FIRE RESISTANCE RATINGS	WHERE SPRINKLERS ARE ADDED THROUGHOUT, FIRE RESISTANCE RATINGS OF BUILDING ELEMENTS AND MATERIALS SHALL BE PERMITTED TO MEET THE REQUIREMENTS OF THE CURRENT BUILDING CODE.	EXISTING CORRIDORS AT SLEEPING AREAS WILL BE REDUCED TO SMOKE TIGHT PERMITTED UNDER IBC 408.8.2
804.2.3	AUTOMATIC SPRINKLERS AT WINDOWLESS BUILDINGS	IBC408.9 CONSIDERS A BUILDING WINDOWLESS IF THE WINDOWS ARE NONOPERABLE AND NON BREAKABLE	WINDOWS ARE FIXED AND LAMINATED SECURITY GLAZING; A SPRINKLER SYSTEM WILL BE ADDED
804.3	STANDPIPES	WHERE THE WORK AREA INCLUDES EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT AND IS LOCATED MORE THAN 50 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS, A STANDPIPE SYSTEM SHALL BE PROVIDED.	NR - SINGLE TENANT AND WORK AREA LESS THAN 50 ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS
804.1	CORRIDOR RATINGS	WHERE AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANCE RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE IBC	EXISTING CORRIDORS AT SLEEPING AREAS WILL BE REDUCED TO SMOKE TIGHT PERMITTED UNDER IBC 408.8.2
804.4.1.4	FIRE ALARM AND DETECTION - I-3 OCCUPANCY	A FIRE ALARM SYSTEM SHALL BE INSTALLED IN WORK AREAS OF GROUP I-3 OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE.	MANUAL ALARM SYSTEM AND SMOKE DETECTION SYSTEM IS PROVIDED - SEE DRAWING E-1102. SMOKE DETECTION IS PROVIDED THROUGHOUT, EXCEPT SLEEPING ROOMS AS PERMITTED BY IFC 907.2.6.3.3. EXCEPTION 3.
805.1	MEANS OF EGRESS	REQUIREMENTS OF THIS SECTION SHALL BE LIMITED TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED	WORK AREA IS OCCUPIED BY A SINGLE TENANT, OCFS
805.3	NUMBER OF EXITS	EVERY STORY WHERE A WORK AREA INCLUDES EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA SHALL BE PROVIDED WITH THE MINIMUM NUMBER OF EXITS BASED ON THE OCCUPANCY AND THE OCCUPANT LOAD IN ACCORDANCE WITH THE IBC	NR - WORK AREA IS OCCUPIED BY A SINGLE TENANT; EXISTING BUILDING HAS 6 EXITS.
805.4.1.1	TWO EGRESS DOORWAYS	IN ANY WORK AREA, ALL ROOMS AND SPACES HAVING AN OCCUPANT LOAD GREATER THAN 50 OR IN WHICH THE TRAVEL DISTANCE TO AN EXIT EXCEEDS 75 FEET SHALL HAVE A MINIMUM OF TWO EGRESS DOORWAYS.	TRAVEL DISTANCE GREATER THAN 50' AT MAIN ACTIVITY ROOM WITH 60 OCCUPANTS. 2 EGRESS DOORS PROVIDED, SEE CODE COMPLIANCE DRAWINGS
805.4.2	DOOR SWING	ALL EGRESS DOORS SERVING AN OCCUPANT LOAD GREATER THAN 50 SHALL SWING IN THE DIRECTION OF EXIT TRAVEL.	NO DOOR HAS AN OCCUPANT LOAD GREATER THAN 50, SEE CODE COMPLIANCE DRAWINGS
805.4.3	DOOR CLOSING	EXIT PASSAGEWAY AND STAIR DOORS SHALL BE SELF CLOSING	NA - NO STAIRS OR EXIT PASSAGEWAYS IN PROJECT
805.4.5	EMERGENCY POWER SOURCE IN GROUP I-3 DOOR HARDWARE	POWER OPERATED LOCKS FOR SWINGING DOORS SHALL BE OPERABLE BY A MANUAL RELEASE MECHANISM AT THE DOOR, AND BE CONNECTED TO EMERGENCY POWER SYSTEM	DOORS ON EMERGENCY POWER SYSTEM
805.5	CORRIDOR DOORS	CORRIDOR DOORS IN THE WORK AREA SHALL NOT BE CONSTRUCTED OF HOLLOW CORE WOOD AND SHALL NOT CONTAIN LOUVERS.	CORRIDOR DOORS AT SLEEPING AREAS ARE STEEL AND WILL COMPLY WITH IBC SECTION 408.2.4 - SMOKE TIGHT WITH NO CLOSER OR LATCH
805.6	DEAD END CORRIDORS	SHALL NOT EXCEED 70 FEET FOR SPRINKLERED BUILDING	NO DEAD ENDS SEE CODE COMPLIANCE PLANS FOR COMPLIANCE
805.7	MEANS OF EGRESS LIGHTING	SHALL BE IN ACCORDANCE WITH THE IBC	ALL LIGHTING WILL BE NEW AND COMPLY WITH IBC, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
805.8	EXIT SIGNS	SHALL BE IN ACCORDANCE WITH THE IBC	ALL EXIT SIGNS WILL BE NEW AND WILL COMPLY WITH IBC, SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
805.9	HANDRAILS	NEW HANDRAILS SHALL BE PROVIDED OR EXISTING HANDRAILS IN DANGER OF COLLAPSING REPLACED AT STAIRS	NA - NO STAIRS OR RAMPS
805.10	AREA OF REFUGE I-3 OCCUPANCIES	THE REQUIRED CAPACITY OF THE REFUGE AREAS FOR SMOKE COMPARTMENTS IN ACCORDANCE WITH SECTION 408.6.2 OF THE IBC SHALL BE MAINTAINED	MAIN DAY ACTIVITY ROOMS AND CORRIDORS IN SLEEPING AREAS PROVIDE SAME AREAS AS PRIOR TO ALTERATIONS.
805.11	GUARDS (FOR STAIRS AND RAMPS)	ANY ELEVATED SLAB GREATER THAN 30" OR ANY RISE >30" OR EXISTING GUARDS IN DANGER OF COLLAPSING REQUIRE REPLACEMENT OR ADDITION OF GUARDS	NA - NO STAIRS OR RAMPS
806.1	ACCESSIBILITY GENERAL	NEW OR ALTERED ELEMENTS SHALL COMPLY WITH 705	SEE 705
807.2	NEW STRUCTURAL ELEMENTS	SHALL COMPLY WITH IBC	NEW ELEMENTS COMPLY
807.3	MINIMUM DESIGN LOADS	EXISTING ELEMENTS NOT SUPPORTING ADDITIONAL LOADS SHALL BE THE LOADS APPLICABLE AT THE TIME THE BUILDING WAS CONSTRUCTED	NO CHANGE TO LOADS
807.4	EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS.	ALTERATIONS SHALL NOT REDUCE THE CAPACITY OF EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENTS UNLESS DEMONSTRATED TO HAVE SUCH THE CAPACITY. EXISTING STRUCTURAL ELEMENTS SUPPORTING ANY ADDITIONAL GRAVITY LOADS DUE TO ALTERATIONS, INCLUDING THE EFFECTS OF SNOW DRIFT, SHALL COMPLY WITH THE IBC	EXISTING STRUCTURAL ELEMENTS THAT DO NOT MEET STRENGTH & DEFLECTION REQUIREMENTS WITH IBC SNOW DRIFT AS A RESULT OF NEW ROOF INSULATION HAVE BEEN REINFORCED TO COMPLY WITH IBC.
807.5	EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS.	EXCEPT AS PERMITTED, WHERE ALTERATIONS INCREASES DESIGN LATER LOADS, OR WHERE ALTERATION RESULTS IN PROHIBITED STRUCTURAL IRREGULARITY AS DEFINED IN ASCE 7, OR WHERE THE ALTERATION DECREASES THE CAPACITY OF ANY EXISTING LATERAL LOAD-CARRYING STRUCTURAL ELEMENT, THE STRUCTURE OF THE ALTERED BUILDING OR STRUCTURE SHALL BE SHOWN TO MEET THE WIND AND SEISMIC PROVISIONS OF THE IBC.	ALTERATIONS DO NOT INCREASE DESIGN LATERAL LOADS OR REDUCE CAPACITY OF LATERAL RESTRAINT SYSTEM.
808.1	ELECTRICAL, ALL NEW INSTALLATIONS	SHALL COMPLY WITH NFPA 70 (NEC)	COMPLY, REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
808.2	ELECTRICAL, EXISTING INSTALLATIONS	EXISTING WIRING IN ALL WORK AREAS IN GROUP A-1, A-2, A-5, H AND I OCCUPANCIES SHALL BE UPGRADED TO MEET THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 7.	COMPLY, REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
809.1	MECHANICAL	RECONFIGURED OR NEW ELEMENTS SHALL COMPLY WITH INTERNATIONAL MECHANICAL CODE	COMPLIES, REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE
809.2	MECHANICAL, ALTERED EXISTING SYSTEMS.	IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CFM PER PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM OF VENTILATION AIR PER PERSON, OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62.	COMPLIES, OUTDOOR AIR CFM IS CALCULATED PER ASHRAE 62.1. SEE MECHANICAL SCHEDULES AND ASHRAE 62.1 CALCULATIONS FOR COMPLIANCE
809.3	MECHANICAL, LOCAL EXHAUST	ALL NEWLY INTRODUCED DEVICES, EQUIPMENT, OR OPERATIONS THAT PRODUCE AIRBORNE PARTICULATE MATTER, ODORS, FUMES, VAPOR, COMBUSTION PRODUCTS, GASEOUS CONTAMINANTS, PATHOGENIC AND ALLERGENIC ORGANISMS, AND MICROBIAL CONTAMINANTS IN SUCH QUANTITIES AS TO AFFECT ADVERSELY OR IMPAIR HEALTH OR CAUSE DISCOMFORT TO OCCUPANTS SHALL BE PROVIDED WITH LOCAL EXHAUST.	COMPLIES, EXHAUST SYSTEMS ARE DESIGNED AND SPECIFIED IN ALL NEW TOILET ROOMS. SEE MECHANICAL DRAWINGS FOR COMPLIANCE
810.1	MINIMUM PLUMBING FIXTURES	WHERE OCCUPANT LOAD IS INCREASED BY MORE THAN 20%, PROVIDE FIXTURES PER IPC	COMPLIES, SAME NUMBER OF RESIDENTS AS PRIOR USE - NUMBER OF FIXTURES PER IPC; RECONFIGURED BATHROOMS EVALUATED - FOR NUMBER OF FIXTURES SEE VALUATION THIS SHEET
811.1	NEW CONSTRUCTION ONLY SHALL COMPLY WITH IECC REQUIREMENTS	NEW ELEMENTS SHALL COMPLY WITH IECC REQUIREMENTS	NEW ELEMENTS COMPLY

INTERNATIONAL BUILDING CODE (IBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**USE AND OCCUPANCY CLASSIFICATION**		
308.5	OCCUPANCY GROUP	EXISTING I-3 INSTITUTIONAL	NOT ALTERED BY SCOPE
308.5.5	USE	EXISTING - CONDITION 5	CONDITION 5 - SAME USE
5	**GENERAL BUILDING HEIGHT AND AREAS**		
504.3	BUILDING HEIGHT - FEET	AVERAGE 19'-7" - EXISTING	NOT ALTERED BY SCOPE
504.4	BUILDING HEIGHT - STORIES	1 STORY - EXISTING	NOT ALTERED BY SCOPE
506	BUILDING AREA	11,343 SQ FT - EXISTING	NOT ALTERED BY SCOPE
6	**CONSTRUCTION TYPE**		
T.601	TYPE	IIB / EXISTING	NOT ALTERED BY SCOPE
	PRIMARY FRAME	0	NOT ALTERED BY SCOPE
	BEARING WALL - EXTERIOR	0	NOT ALTERED BY SCOPE
	BEARING WALL - INTERIOR	0	NOT ALTERED BY SCOPE
	NON BEARING WALL - EXTERIOR	0	NOT ALTERED BY SCOPE
	NON BEARING WALL - INTERIOR	0	FIRE RATED CORRIDOR PARTITIONS ARE BEING REDUCED TO SMOKE TIGHT PARTITIONS AS ALLOWED BY EBC 805.5 AND IBC 408.8.2 SEE CODE COMPLIANCE PLANS FOR LOCATIONS
	FLOOR CONSTRUCTION	0	NOT ALTERED BY SCOPE
	ROOF CONSTRUCTION	0	NOT ALTERED BY SCOPE
T.602	FIRE SEPARATION DISTANCE > 30 FEET	REQUIRED 0 HOUR	NOT ALTERED BY SCOPE
602.2	TYPE I AND IIB	ALL MATERIALS MADE FROM NONCOMBUSTIBLE MATERIALS UNLESS ALLOWED BY 603	NONCOMBUSTIBLE MATERIALS PROVIDED, SEE DETAILS
7	**FIRE AND SMOKE PROTECTION FEATURES**		
707	FIRE BARRIERS	1 HOUR, REQUIRED AT MECHANICAL ROOM	EXISTING 1 HOUR RATED PARTITION SURROUNDING MECHANICAL ROOM TO REMAIN, SEE CODE COMPLIANCE PLANS FOR LOCATION.
708	FIRE PARTITIONS	PERMITTED TO BE SMOKE TIGHT PER IBC 408.8.2	SMOKE TIGHT WALLS UTILIZED IN LIEU OF FIRE PARTITIONS, SEE CODE COMPLIANCE PLANS
709	SMOKE BARRIERS	1 HOUR SMOKE RATED IBC 408.8.2 STATES EACH SLEEPING AREA IN OCCUPANCY CONDITION 5 SHALL BE SEPARATED FROM ADJACENT SLEEPING AREAS, CORRIDORS, AND COMMON SPACES BY A SMOKETIGHT PARTITION.	SEE CODE COMPLIANCE PLANS FOR LOCATIONS OF EXISTING 45 MIN. PARTITIONS TO BE CLASSIFIED AS SMOKE TIGHT PARTITION SEPARATING SLEEPING AREAS.
716	OPENING PROTECTIVES	NOT REQUIRED ON I-3 CELLS (BEDROOMS), SMOKE TIGHT DOORS PERMITTED PER TABLE 1020.1 FOOTNOTE 8, 408.8.2 AND 408.8.4 45 MINUTES REQUIRED AT 1 HOUR FIRE BARRIER 20 MINUTES REQUIRED AT SMOKE BARRIERS	PROVIDED - SEE DOOR SCHEDULE AND HARDWARE SCHEDULE
717.5.5	DUCTS AND AIR TRANSFER OPENINGS - SMOKE BARRIERS	SMOKE DAMPERS REQUIRED, EXCEPT WHERE THE OPENINGS IN DUCTS ARE LIMITED TO A SINGLE SMOKE COMPARTMENT AND THE DUCTS ARE CONSTRUCTED OF STEEL.	COMPLIES, DUCTS THAT CROSS SMOKE BARRIER DO NOT EXCHANGE AIR BETWEEN SMOKE COMPARTMENTS, OPENINGS ARE LIMITED TO 1 COMPARTMENT; PERIMETER OF DUCTS FIRESTOPPED, SEE MECHANICAL DRAWINGS FOR COMPLIANCE
717.5.7	DUCTS AND AIR TRANSFER OPENINGS - SMOKE TIGHT WALLS	SIMILAR TO A SMOKE PARTITION, NO FIRE RATING IS REQUIRED. DUCTS REQUIRE PERIMETER SEALED; TRANSFER OPENINGS REQUIRE SMOKE DAMPERS	COMPLIES; PERIMETER OF DUCTS SEALED, NO TRANSFER OPENINGS, ALL RETURNS ARE DUCTED, SEE MECHANICAL DRAWINGS FOR COMPLIANCE
720	EXPOSED OR CONCEALED INSULATION	FLAME SPREAD INDEX ≥25 SMOKE-DEVELOPED INDEX ≤450	COMPLIES - SEE SPECIFICATIONS
8	**INTERIOR FINISHES**		
T.803.11	FINISH REQUIREMENTS BY OCCUPANCY	GROUP I-3 (SPRINKLERED)	
	EXIT STAIRWAYS, RAMPS, AND PASSAGEWAYS	CLASS A	ALL FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
	CORRIDORS	CLASS A	ALL FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
	ROOMS / ENCLOSED SPACE	CLASS C	ALL FINISHES NEW AND SHALL COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
804.4.2	MINIMUM CRITICAL RADIANT FLUX	FLOOR FINISHES CLASS II (SPRINKLERED)	ALL FLOOR FINISHES NEW AND COMPLY, SEE FINISH SCHEDULE AND PROJECT MANUAL
806	INTERIOR TRIM	TRIM SHALL BE NON COMBUSTIBLE OR CLASS C NOT EXCEEDING 10% OF WALL	NO COMBUSTIBLE TRIM INDICATED

9	**FIRE PROTECTION SYSTEM**		
903	SPRINKLER SYSTEM	REQUIRED, SHALL BE NFPA 13 SYSTEM	PROVIDED SEE PLUMBING DRAWINGS
906	PORTABLE FIRE EXTINGUISHER SYSTEMS	REQUIRED; PERMITTED TO BE LOCATED IN STAFF AREAS;	PROVIDE IN GROUP I-3, SPACING INDICATED IN NFPA 10; MAXIMUM SPACING 75' - SEE CODE COMPLIANCE PLANS FOR LOCATIONS
907	FIRE ALARM AND DETECTION SYSTEMS	MANUAL ALARM AND SMOKE DETECTION REQUIRED; SHALL COMPLY WITH NFPA 72	MANUAL ALARM SYSTEM AND SMOKE DETECTION SYSTEM PROVIDED - SEE ELECTRICAL DRAWINGS. SMOKE DETECTION IS PROVIDED THROUGHOUT, EXCEPT SLEEPING ROOMS AS PERMITTED BY IBC 907.2.6.3.3. EXCEPTION 3.
11	**ACCESSIBILITY**		
1104	ROUTE	ACCESSIBLE ROUTE TO BE MAINTAINED	ROUTE MAINTAINED SEE DRAWINGS
1104.3.1	EMPLOYEE WORK AREAS (OVER 1000 SF)	ACCESSIBLE	COMPLY, FURNITURE LAYOUT BY OTHERS
1105	ENTRANCES	ACCESSIBLE	EXISTING TO REMAIN
1107.5.5	GROUP I-3 SLEEPING UNITS (CELLS)	3% ACCESSIBLE OR MINIMUM OF 1	1 REQUIRED, 1 PROVIDED
1109.2	TOILET FACILITIES	ACCESSIBLE	RECONFIGURED BATHROOMS PROVIDED PER CODE; SEE EVALUATION THIS SHEET
1109.5	DRINKING FOUNTAINS	ACCESSIBLE	COMPLY, SEE PLUMBING DRAWINGS FOR COMPLIANCE
1110	SIGNAGE	ACCESSIBLE	COMPLY, SEE SIGNAGE DRAWINGS FOR COMPLIANCE
12	**INTERIOR ENVIRONMENT**		
1203	VENTILATION	REQUIRES NATURAL OR MECHANICAL VENTILATION	MECHANICAL VENTILATION PROVIDED, SEE MECHANICAL DRAWINGS
1204	TEMPERATURE CONTROL	REQUIRES HEATING SYSTEM CAPABLE OF MAINTAINING 68 DEG F AT 3' AFF	PROVIDED, SEE MECHANICAL DRAWINGS
1205.3	LIGHTING	REQUIRES NATURAL LIGHT - 8% NET FLOOR ARTIFICIAL LIGHT OR 10FC OVER THE AREA OF THE ROOM 30" AFF	10 FC PROVIDED, SEE ELECTRICAL DRAWINGS
1205.5	EMERGENCY LIGHTING	REQUIRES EMERGENCY LIGHTING	PROVIDED, SEE ELECTRICAL DRAWINGS
1208.1	MINIMUM ROOM WIDTH	7'-0" FOR HABITABLE SPACES	COMPLIES, 7'-8" EXISTING AND 7'-10" FOR RECONFIGURED BEDROOMS, SEE PLANS
1208.2	CEILING HEIGHTS	7'-6" MINIMUM	8' CEILING HEIGHT PROVIDED, SEE CEILING PLANS
1208.2	CEILING HEIGHTS (KITCHEN, BATH, STORAGE)	7'-6" MINIMUM	8' CEILING HEIGHT PROVIDED, SEE CEILING PLANS
13	**ENERGY EFFICIENCY**		
	REQUIRES DESIGN AND COMPLIANCE WITH INTERNATIONAL ENERGY CODE		
14	**EXTERIOR WALLS**		
1404.10	FIBER CEMENT SIDING	COMPLY WITH ASTM C 1186 TYPE A	PROVIDED, SPECIFICATIONS REQUIRE COMPLIANCE WITH ASTM C 1186 TYPE A
1405.16	FIBER CEMENT SIDING	PERMITTED ON EXTERIOR WALLS OF TYPE I, II, III, IV AND V CONSTRUCTION	COMPLIES
1406.2	COMBUSTIBLE MATERIALS ON THE EXTERIOR SIDE OF EXTERIOR WALLS	COMBUSTIBLE EXTERIOR WALL COVERINGS (SHEATHING) CONSTRUCTED OF FIRE-RETARDANT TREATED WOOD ARE NOT LIMITED IN UP TO 60 FEET IN HEIGHT ABOVE GRADE PLANE	FR TREATED SHEATHING AND CEMENT BOARD SIDING PERMITTED

INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2015)

CHAPTER		REQUIRED	PROVIDED
3	**GENERAL REQUIREMENTS**		
C301.1	CLIMATE ZONES	SHALL COMPLY WITH FIGURE C301.1	ZONE 5
5	**EXISTING BUILDINGS**		
C503.1	ALTERATIONS	ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING IS NO LESS CONFORMING TO THE PROVISIONS OF THIS CODE THAN THE EXISTING BUILDING WAS PRIOR TO THE ALTERATION.	NOT ALTERED BY SCOPE
		THE FOLLOWING ALTERATIONS NEED NOT COMPLY WITH THE REQUIREMENTS FOR NEW CONSTRUCTION, PROVIDED THE ENERGY USE OF THE BUILDING IS NOT INCREASED: 3. EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION, PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION. 4. CONSTRUCTION WHERE THE EXISTING ROOF, WALL OR FLOOR CAVITY IS NOT EXPOSED. 6. AIR BARRIERS SHALL NOT BE REQUIRED FOR ROOF RECOVER AND ROOF REPLACEMENT WHERE THE ALTERATIONS OR RENOVATIONS TO THE BUILDING DO NOT INCLUDE ALTERATIONS, RENOVATIONS OR REPAIRS TO THE REMAINDER OF THE BUILDING ENVELOPE.	
C503.3	BUILDING ENVELOPE	NEW BUILDING ENVELOPE ASSEMBLIES THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTIONS C402.1 THROUGH C402.5.	
	MASS WALLS	CMU WALLS WITH NEW EXTERIOR SIDING AND INSULATION - R-11.4 CI OR U< 0.090 REQUIRED	COMPLIES - R 16.25 CI PROVIDED
T402.1.3	METAL FRAMED WALLS	METAL FRAMED WALLS WITH NEW EXTERIOR SIDING AND INSULATION - R-13 IN FRAMED CAVITY AND R-7.5 CI OR U< 0.064 REQUIRED	COMPLIES - U-VALUE=0.049
C503.3.1	ROOF REPLACEMENT	WHERE INSULATION IS ENTIRELY ABOVE DECK COMPLY WITH TABLE C402.1.3, R-30 REQUIRED	COMPLIES, R-30 PROVIDED
C503.3.2	VERTICAL FENESTRATION	THE ADDITION OF VERTICAL FENESTRATION THAT RESULTS IN A TOTAL BUILDING FENESTRATION AREA LESS THAN OR EQUAL TO THAT SPECIFIED IN SECTION C402.4.1 SHALL COMPLY WITH SECTION C402.4	NO ADDITIONAL FENESTRATION AREA; TOTAL GLAZED AREA REDUCED

PLUMBING FIXTURE COUNT

REQUIRED PLUMBING FIXTURES Use group	# Occ	# ea. Sex M	# ea. Sex F	Water Closets M	Water Closets F	Lavatories M	Lavatories F	Drinking Fountains	Serv. Sink
I 3 Employees (1/25)		1/2	1/2	1/25	1/25			1/100	
(Employee waterclosets)	22	11	11	0.44	0.44			0.22	
I3 employee (1/35)		1/2	1/2			1/35	1/35		
(Employee lavatories)	0	11	11			0.31	0.31		
Educational		1/2	1/2	1/50	1/50	1/50	1/50	1/100	
(Classroom)	8	4	4	0.08	0.08	0.08	0.08	0.08	
Assembly (Activity rooms, Education fixture requirement used as more conservative)	114	1/2 57	1/2 57	1/50 1.14	1/50 1.14	1/50 1.14	1/50 1.14	1/500 0.23	
1-3 Instutional sleeping		1/2	1/2	1/15	1/15	1/15	1/15	1/100	
(Resident sleeping, treatment, support area)	45	23	23	1.50	1.50	0.10	0.10	0.45	
Storage/Mechanical		1/2	1/2	1/100	1/100	1/100	1/100	1/1000	
	14	7	7	0.07	0.07	0.07	0.07	0.01	1
Total Occupants	203								
Total Required Fixtures				3.23	3.23	1.60	1.60	0.99	1.00
Provided				9		9		2	1

Watercloset Fixture breakdown:		
Staff	3 waterclosets	(1 ADA)
Activity/ Classroom	2 waterclosets	
Sleeping/ treatment area	4 waterclosets	(2 ADA)
Total waterclosets	9	
Additional waterclosets in Wet rooms not included in Total above	3	

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DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 78

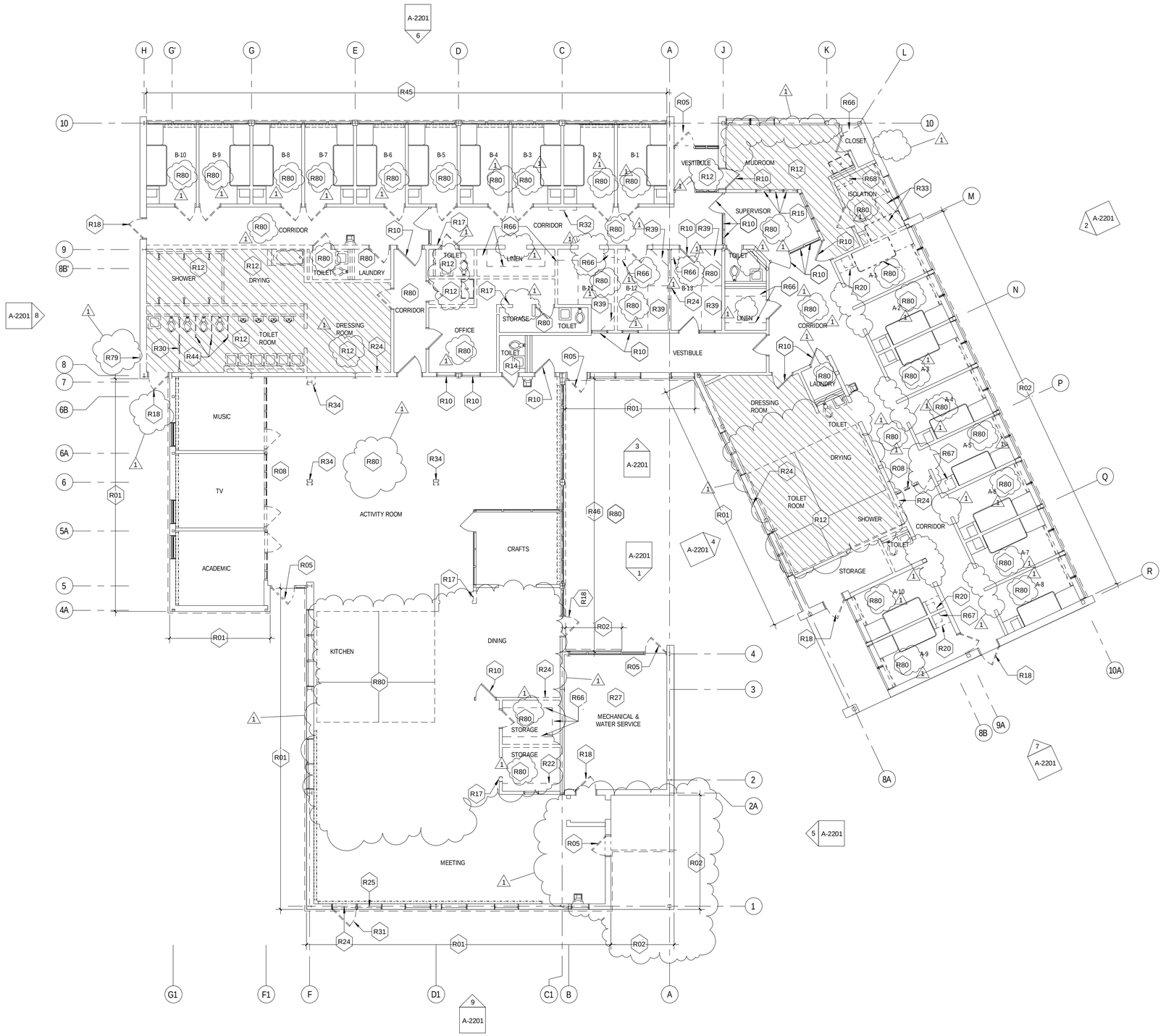
CODE COMPLIANCE

DRAWING NUMBER:

A - 2005

SHEET OF

36x24 PLOT SHEET



1 AD-2101 - REMOVAL PLAN
1/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 78 = 2

- BUILDING DESIGNATOR
- 2-100 — BUILDING 78 ROOM NUMBERS
- (2-100) — BUILDING 78 DOOR NUMBERS

REMOVAL NOTES

1. INTERIOR FINISHES TO BE REMOVED IN THEIR ENTIRETY. GRIND FLUSH SMALL IMPERFECTIONS IN SLAB AND USE SELF-LEVELING CEMENT TO PROVIDE A LEVEL FLOOR SLAB.

3. REMOVE TOILET PARTITON SYSTEMS

5. REMOVE CEMENTITIOUS LEVELING TOPPER FLUSH WITH EXISTING FLOOR SLAB.

6. GRIND SMOOTH & PATCH EXISTING CONCRETE FLOOR TO RECEIVE FLOORING. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR FLOOR PREPARATION REQUIREMENTS.

REMOVAL SYMBOLS LEGEND

- EXISTING CMU WALL TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 17)
- EXISTING DOOR AND FRAME SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 18), COORDINATE DOOR AND FRAME REMOVALS W/ DOOR SCHEDULE
- EXISTING WINDOW SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 25)
- EXISTING CASEWORK AND/OR MILLWORK TO BE REMOVED (REFER TO REMOVAL KEYNOTE R22)
- AREA OF CEMENTITIOUS LEVELING TOPPER
- EXIST WALL TO REMAIN
- EXIST DOOR TO REMAIN
- EXIST WINDOW TO REMAIN

REMOVAL KEYNOTE LEGEND	
Key Value	Keynote Text
R01	REMOVE EXISTING VINYL SIDING SYSTEM BACK TO THE CMU SUBSTRATE.
R02	REMOVE EXISTING WOOD SIDING SYSTEM INCLUDING BUT NOT LIMITED TO VINYL SIDING, WOOD COMPOSITE SIDING, FURRING, METAL FRAMING, AND INSULATION BACK TO CMU SUBSTRATE.
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R08	REMOVE EXISTING INTERIOR STEEL DOOR AND SIDELIGHT SYSTEM AND ALL ASSOCIATED HARDWARE IN THEIR ENTIRETY.
R10	EXISTING DOOR OR WINDOW FRAME TO REMAIN, REMOVE WIRE GLASS.
R12	REMOVE EXISTING TILE AND GROUT. SANDBLAST CMU WALL, GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED TO ENSURE GROUT IS REMOVED
R14	REMOVE EXISTING VCT AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
R15	REMOVE WINDOW AND ALL ASSOCIATED HARDWARE IN THEIR ENTIRETY.
R17	REMOVE PORTION OF INTERIOR CMU WALL TO THE EXTENT SHOWN. GRIND AND GROUT EXPOSED CMU EDGES FLUSH.
R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R20	REMOVE EXISTING METAL SHELVING UNIT AND ALL ASSOCIATED HARDWARE. RETURN TO DIRECTOR'S REPRESENTATIVE FOR REUSE/REINSTALLATION ELSEWHERE IN PROJECT.
R22	REMOVE EXISTING CASEWORK AND/OR COUNTERTOP IN ITS ENTIRETY. EXISTING ROLLING DOOR TO REMAIN.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R27	REMOVE EXISTING CEILING SYSTEM IN ITS ENTIRETY.
R30	REMOVE EXISTING METAL MESH PARTITION SYSTEM AND ALL ASSOCIATED STEEL FRAMING IN ITS ENTIRETY.
R31	REMOVE EXISTING ACCESS DOOR.
R32	REMOVE EXISTING CHALK BOARD, WHITE MARKER, OR TACK BOARD FROM WALL.
R33	REMOVE EXISTING CONCRETE DESK AND PLATFORM BED IN THEIR ENTIRETY.
R34	REMOVE EXISTING STEEL COLUMN ENCLOSURE IN ITS ENTIRETY.
R39	REMOVE EXISTING WOOD PLATFORM BED AND SHELVING UNIT IN THEIR ENTIRETY.
R44	REMOVE EXISTING TOILET PARTITIONS IN THEIR ENTIRETY.
R45	REMOVE 3/8" T-111 WOOD SIDING, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R46	REMOVE VINYL SIDING, 3/8" T-111 WOOD SIDING UNDERNEATH, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING, FLASHINGS AND ASSOCIATED FASTNERS FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R66	REMOVE EXISTING SHELVING IN ITS ENTIRETY
R67	REMOVE EXISTING METAL SHELVING UNIT AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY
R68	REMOVE EXISTING WOOD WARDROBE UNIT IN ITS ENTIRETY.
R79	REMOVE MASONRY WALL AS REQUIRED FOR DOOR AND LINTELED FRAME. SALVAGE MASONRY VENEER FOR REUSE IN CREATING DOOR OPENING
R80	REMOVE EXISTING MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED

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REGISTERED ARCHITECT DAVID L. CLEMENS 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

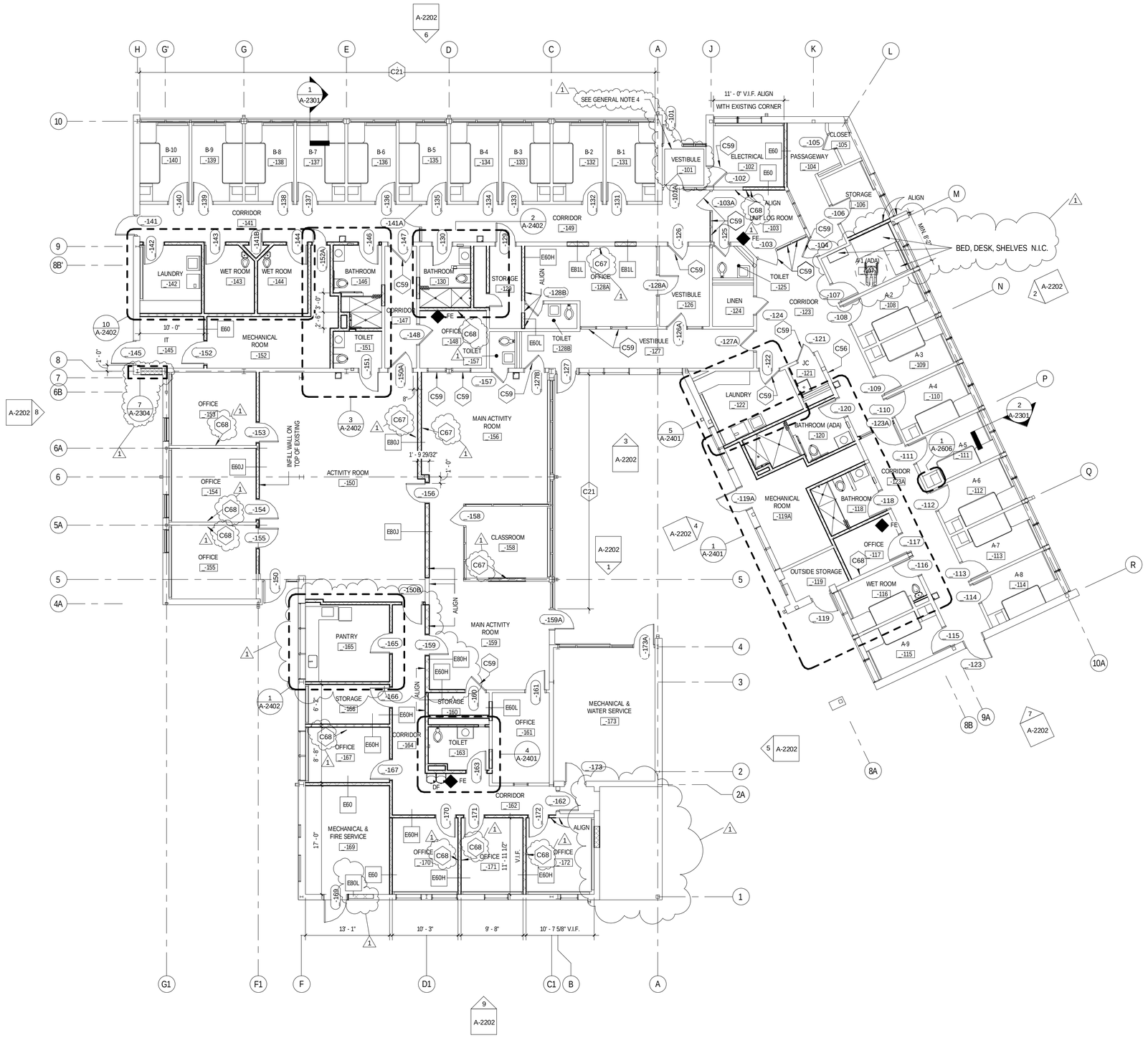
BUILDING 78
REMOVAL PLAN

DRAWING NUMBER:

A - 2101

SHEET OF

36x24 PLOT SHEET



1 A01 - LEVEL 1
1/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 78 = 2
- BUILDING DESIGNATOR
- 2-100 BUILDING 78 ROOM NUMBERS
- 2-100 BUILDING 78 DOOR NUMBERS

GENERAL NOTES

1. UNLESS OTHERWISE NOTED ALL PARTITIONS TO BE 6" CMU TERMINATING AT 8'-0" A.F.F., NOT RATED.
2. SAND AND REPAINT ALL EXISTING METAL SHELVING UNITS TO REMAIN IN BEDROOMS. REFER TO REMOVAL PLAN FOR UNIT TO BE REMOVED AND REPLACED.
3. PATCH AND PAINT EXISTING WALLS ABOVE WINDOW OPENINGS AT BEDROOMS. REFER TO FINISH PLAN FOR PAINT COLORS/TYPE DESIGNATIONS.
4. PROVIDE SURFACE MOUNTED WALK OFF MAT, 6' - 2"± X 5' - 8"±. MAINTAIN APPROXIMATLY 4" SPACE BETWEEN MAT AND ADJACENT WALLS, FIELD VERIFY.
5. PROVIDE 1000 SF OF MASONRY WALL PATCHING FOLLOWING COMPLETION OF REMOVAL WORK.

KEYNOTE LEGEND	
Key Value	Keynote Text
C21	EXTERIOR WALL SECTION AT EXISTING STEEL STOREFRONT - SEE WALL SECTION
C56	PATCH 9" WIDE X 11" TALL HOLE IN EXISTING CMU WALL IN THIS LOCATION
C59	PROVIDE S-4 GLAZING IN EXISTING DOOR OR WINDOW OPENING
C67	PROVIDE 4'x8' MARKER BOARD AND 4'x4' TACK BOARD IN CLASSROOMS. MOUNT BOTTOM 2'-8" AFF.
C68	PROVIDE 4'x4' MARKER BOARD AND 2'x4' TACK BOARD IN OFFICES. MOUNT BOTTOM AT 2'-8" AFF.

NEW WORK SYMBOLS LEGEND

- EXIST WALL TO REMAIN
- EXIST DOOR TO REMAIN
- EXIST WINDOW TO REMAIN
- NEW WALL
- NEW DOOR AND FRAME SYSTEM
- FE FIRE EXTINGUISHER

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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CONTRACT:

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TITLE:

PROVIDE BUILDING UPGRADES

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INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

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	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

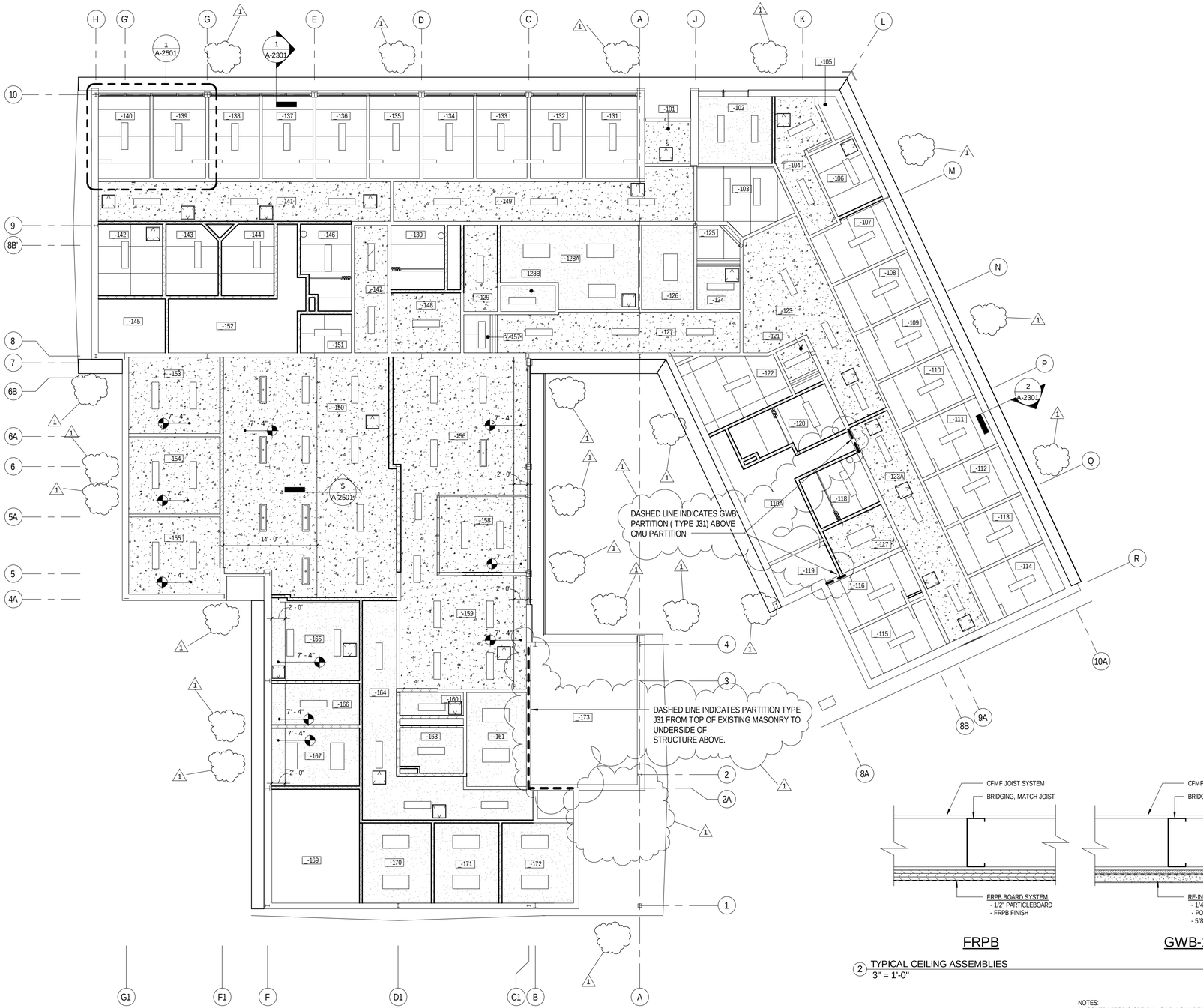
BUILDING 78
FLOOR PLAN

DRAWING NUMBER:

A - 2103

SHEET OF

36x24 PLOT SHEET



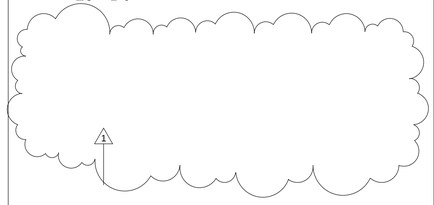
1 A01 - LEVEL 1
1/8" = 1'-0"

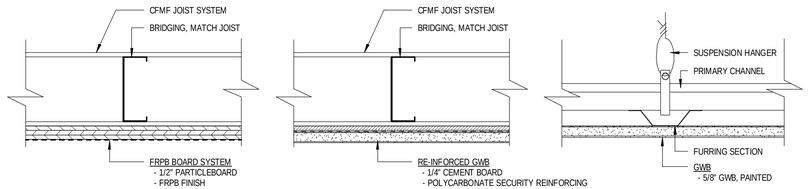
BUILDING DESIGNATION
BUILDING 78 = 2
BUILDING DESIGNATOR
2-100 BUILDING 78 ROOM NUMBERS
2-100 BUILDING 78 DOOR NUMBERS

NOTE:
ALL CEILING TO BE 8'-0" AFF UNLESS NOTED OTHERWISE

NO CEILING
GWB-1 CEILING (RE-INFORCED)
FRPB CEILING
GWB-2 CEILING
1' X 4' LIGHT FIXTURE
2' X 2' LIGHT FIXTURE
2' X 4' LIGHT FIXTURE
2' X 2' ACCESS PANEL
WALL MOUNTED STRIP FIXTURE
WALL MOUNTED STRIP FIXTURE
WALL MOUNTED LIGHT FIXTURE
WALL PACK
EMERGENCY WALL PACK
EXIT SIGNAGE
ACCESS HATCH

RTA RCP LEGEND
1/8" = 1'-0"





FRPB GWB-1 GWB-2

2 TYPICAL CEILING ASSEMBLIES
3" = 1'-0"

NOTES:
1. CONTRACTOR'S OPTION: GWB-1 CAN BE REPLACED WITH A "SUSPENDED METAL PANEL CEILING SYSTEM".

2. ALL GWB CEILINGS TO BE PAINTED AL-2

3. COORDINATE EXACT LOCATION OF ACCESS PANELS IN THE FIELD WITH DIRECTOR'S REPRESENTATIVE.

RCP NOTES
1/8" = 1'-0"

36x24 PLOT SHEET

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DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

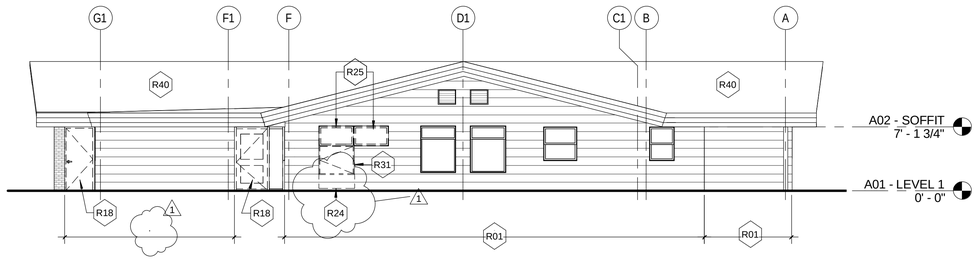
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
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APPROVED:	

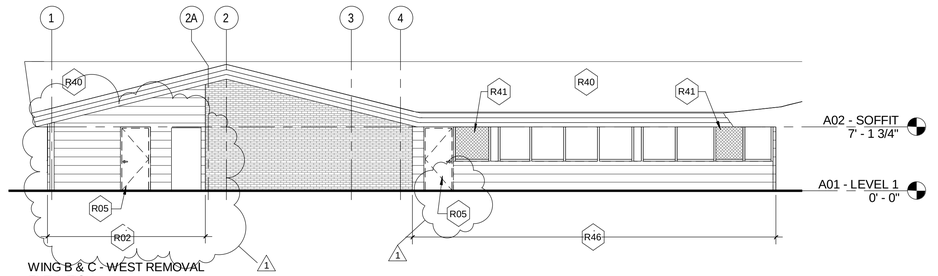
SHEET TITLE:
BUILDING 78
REFLECTED CEILING PLAN

DRAWING NUMBER:
A - 2104

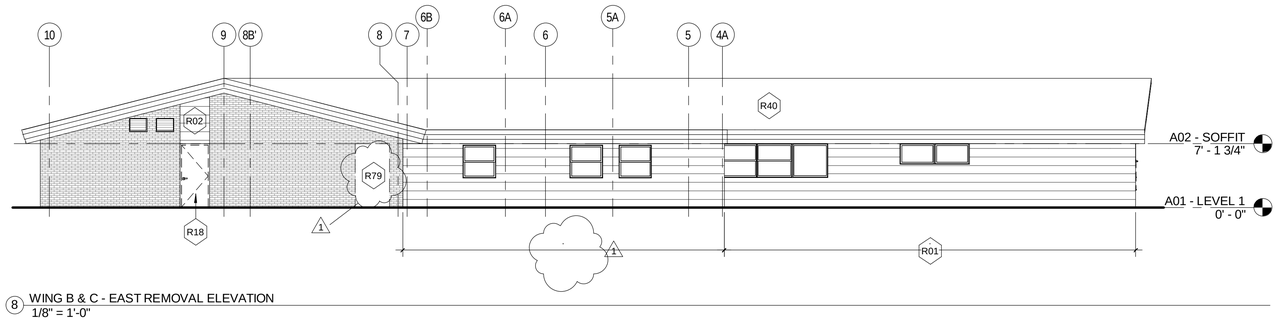
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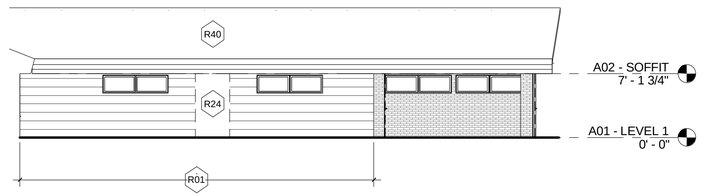
9 WING B & C - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



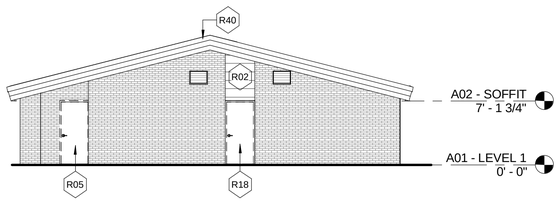
5 WING B & C - WEST REMOVAL ELEVATION
1/8" = 1'-0"



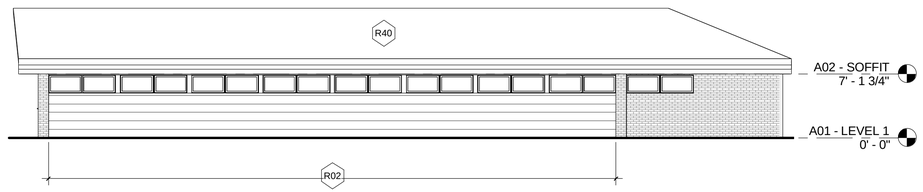
8 WING B & C - EAST REMOVAL ELEVATION
1/8" = 1'-0"



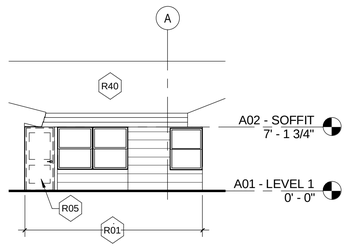
4 WING A - EAST REMOVAL ELEVATION
1/8" = 1'-0"



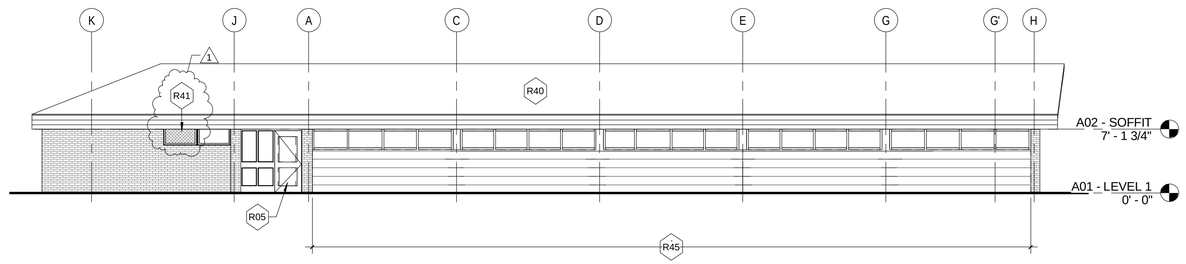
7 WING A - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



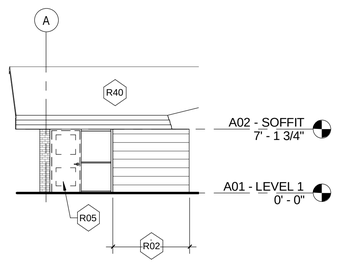
2 WING A - WEST REMOVAL ELEVATION
1/8" = 1'-0"



3 WING B - NORTH REMOVAL ELEVATION
1/8" = 1'-0"



6 WING B - SOUTH REMOVAL ELEVATION
1/8" = 1'-0"



1 WING C - SOUTH REMOVAL ELEVATION
1/8" = 1'-0"

REMOVAL KEYNOTE LEGEND	
Key Value	Keynote Text
R01	REMOVE EXISTING VINYL SIDING SYSTEM BACK TO THE CMU SUBSTRATE.
R02	REMOVE EXISTING WOOD SIDING SYSTEM INCLUDING BUT NOT LIMITED TO VINYL SIDING, WOOD COMPOSITE SIDING, FURRING, METAL FRAMING, AND INSULATION BACK TO CMU SUBSTRATE.
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R31	REMOVE EXISTING ACCESS DOOR.
R40	ROOF REPLACEMENT HANDLED IN A SEPARATE CONTRACT
R41	REMOVE EXISTING PLYWOOD AND SASH FROM WINDOW OPENING. WINDOW AND ASSOCIATED FRAME TO REMAIN.
R45	REMOVE 3/8" T-111 WOOD SIDING, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R46	REMOVE VINYL SIDING, 3/8" T-111 WOOD SIDING UNDERNEATH, 2 1/2" METAL STUDS, BATT INSULATION, AND 5/8" GYPSUM SHEATHING, FLASHINGS AND ASSOCIATED FASTNERS FROM EXTERIOR SIDE OF EXISTING WALL. STOREFRONT SYSTEM, WINDOW, AND METAL PANEL INFILL BELOW WINDOW TO REMAIN.
R79	REMOVE MASONRY WALL AS REQUIRED FOR DOOR AND LINTELED FRAME.SALVAGE MASONRY VENEER FOR REUSE IN CREATING DOOR OPENING

1 Notes were left blank intentionally.

36x24 PLOT SHEET

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DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

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REGISTERED ARCHITECT
DAVID L. CLEMENS
031179
STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

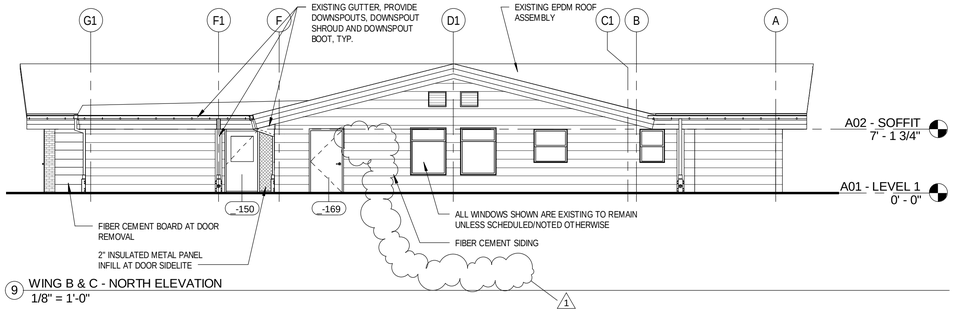
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

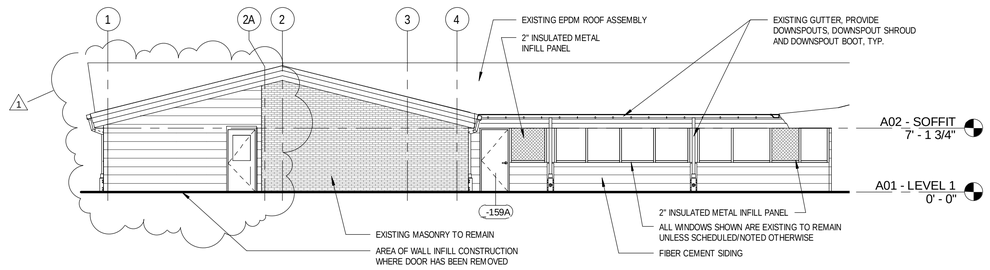
SHEET TITLE:
BUILDING 78
REMOVAL ELEVATIONS

DRAWING NUMBER:
A - 2201

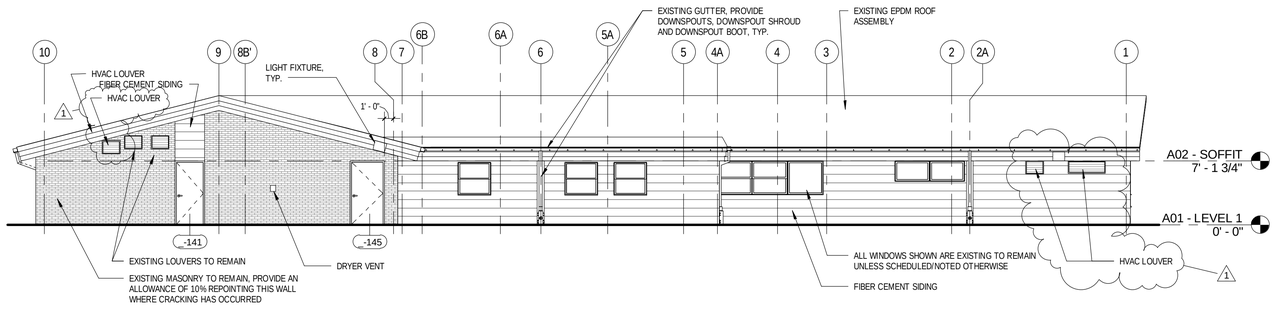
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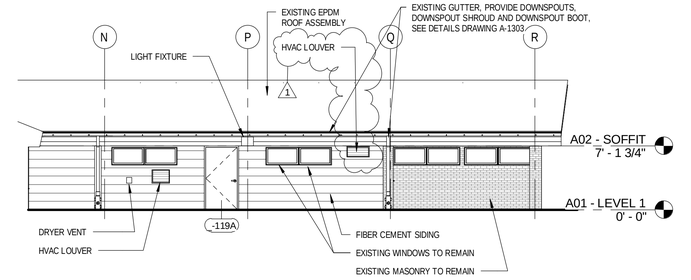
9 WING B & C - NORTH ELEVATION
1/8" = 1'-0"



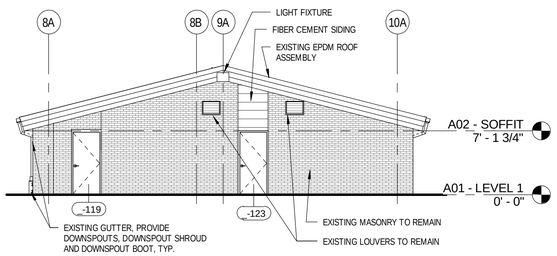
5 WING B & C - WEST ELEVATION
1/8" = 1'-0"



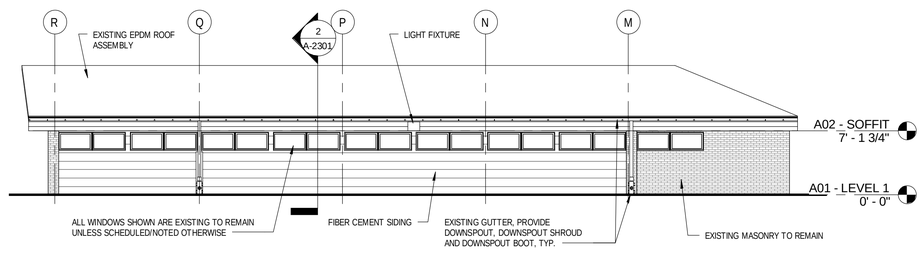
8 WING B & C - EAST ELEVATION
1/8" = 1'-0"



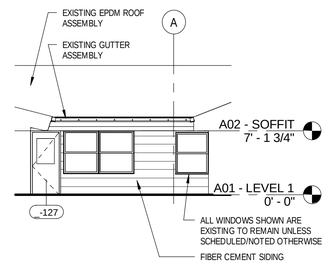
4 WING A - EAST ELEVATION
1/8" = 1'-0"



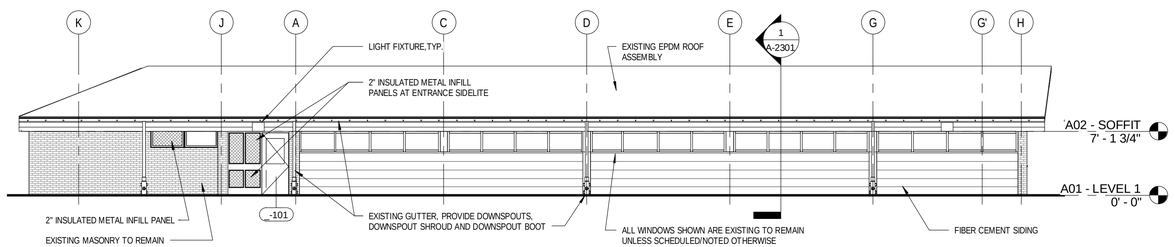
7 WING A - NORTH ELEVATION
1/8" = 1'-0"



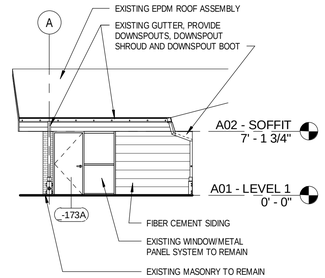
2 WING A - WEST ELEVATIONr
1/8" = 1'-0"



3 WING B - NORTH ELEVATION
1/8" = 1'-0"



6 WING B - SOUTH ELEVATION
1/8" = 1'-0"



1 WING C - SOUTH ELEVATION
1/8" = 1'-0"

BUILDING DESIGNATION

BUILDING 78 = 2

- BUILDING DESIGNATOR
- 2-100 BUILDING 78 ROOM NUMBERS
- 2-100 BUILDING 78 DOOR NUMBERS

ELEVATION NOTES

1. ALL EXISTING EXTERIOR BRICK MASONRY TO REMAIN IS TO BE CLEANED. REFER TO SPEC SECTION FOR ADDITIONAL INFO.

2. MECHANICALLY FASTEN EXISTING OPERABLE WINDOWS AT BEDROOMS IN THE CLOSED POSITION WITH (2) EXPOSED FASTENERS ANCHORED INTO WINDOW FRAME.

3. ALL EXTERIOR WINDOWS TO RECEIVE A BEAD OF TYPE 1 SEALANT AROUND THE PERIMETER OF THE OPENING.

4. PROVIDE PREFINISHED ALUMINUM DOWNSPOUTS, DOWNSPOUT SHROUDS AND DOWNSPOUT BOOTS AT GRADE WHERE INDICATED. SEE DRAWING A-1303 FOR DETAILS

5. ROOF, FASCIA, SOFFITS, & GUTTERS ARE BEING COMPLETED UNDER SEPERATE CONTRACT. COORDINATE WORK DEFINED HERE AS REQUIRED.

6. PAINT ALL EXISTING LOUVERS, WINDOW FRAMES, SASHES, AND ASSOCIATED METAL TRIM.

7. PROVIDE 2" INSULATED METAL PANEL AT WINDOW INFILL LOCATIONS INDICATED ON ELEVATIONS. METAL PANEL TO BE PLACED IN WINDOW FRAME IN SAME PLANE AS SASH. PROVIDE METAL STOP WITH SEALANT AROUND ENTIRE PERIMETER OF PANEL.

1 8. PROVIDE 1/8" THICK PAINTED ALUMINUM TRIM PLATE WITH EASED EDGES FOR TERMINATION OF FIBER CEMENT SIDING AT JAMBS OF DOORS OR PUNCHED WINDOW OPENINGS. SEE SIMILAR DETAIL 11/A-2602.

9. PROVIDE METAL FLASHING AT HEAD OF EXISTING WINDOWS AT WALL ASSEMBLY W1. SEE SIMILAR DETAIL 5/A-2602.

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

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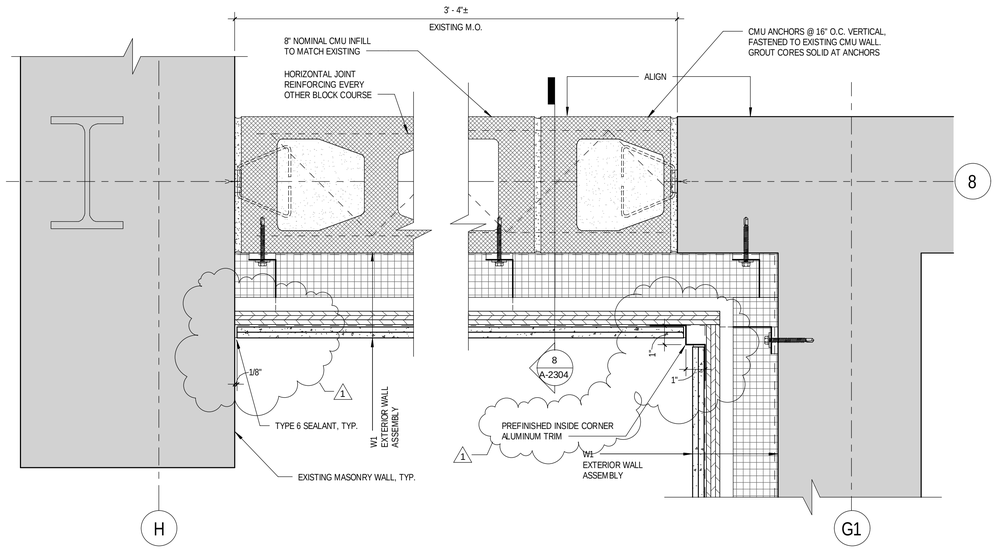
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DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 78
EXTERIOR ELEVATIONS

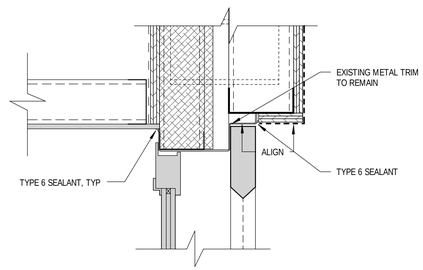
DRAWING NUMBER:
A - 2202

SHEET OF

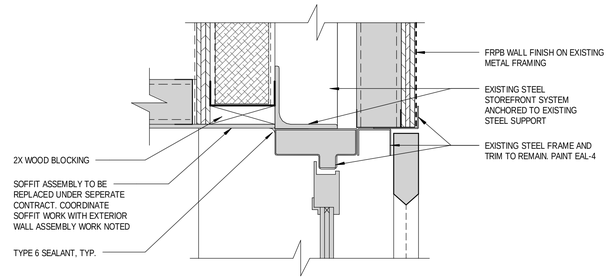
36x24 PLOT SHEET



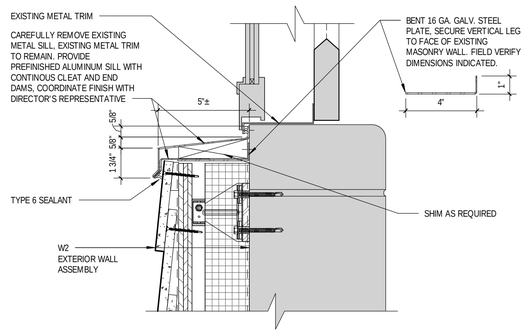
7 PLAN DETAIL @ DOOR INFILL
3" = 1'-0"



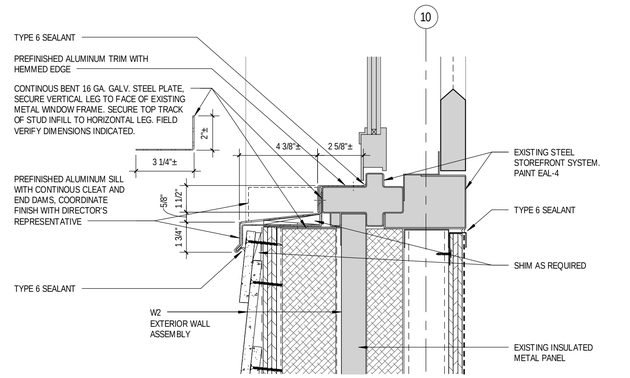
6 WINDOW HEAD @ CMU WALL
3" = 1'-0"



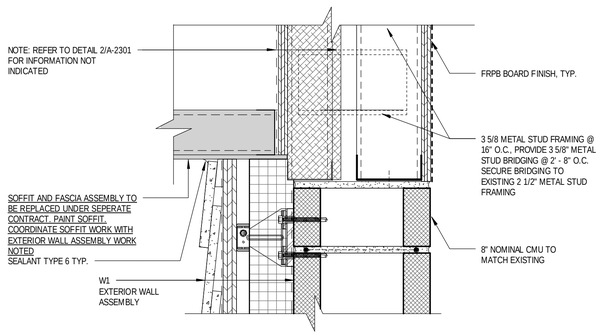
3 WINDOW HEAD @ H.M. STOREFRONT
3" = 1'-0"



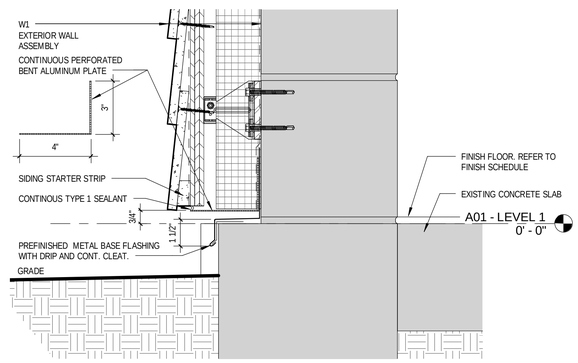
5 WINDOW SILL @ CMU WALL
3" = 1'-0"



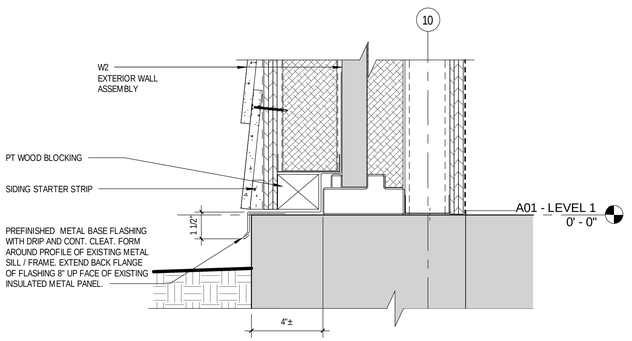
2 SILL DETAIL @ H.M. STOREFRONT
3" = 1'-0"



8 DOOR INFILL AT HEAD
3" = 1'-0"



4 BASE DETAIL @ CMU WITH SIDING
3" = 1'-0"



1 BASE DETAIL @ H.M. STOREFRONT
3" = 1'-0"

36x24 PLOT SHEET

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	08/07/2017	FINAL SUBMISSION
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DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 78
EXTERIOR DETAILS

DRAWING NUMBER:
A - 2304

SHEET OF

BUILDING DESIGNATION

BUILDING 78 = 2

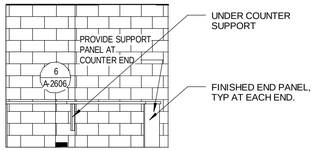
BUILDING DESIGNATOR

2-100 BUILDING 78 ROOM NUMBERS

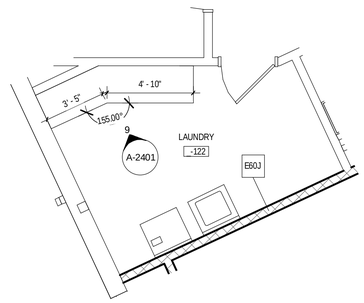
(2-100) BUILDING 78 DOOR NUMBERS

TOILET AND BATH ACCESSORIES		
Type Mark	Type	Comment
GB-1	GRAB BARS	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
GB-2	GRAB BARS_SHOWER	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
HD-1	SECURITY ELECTRIC HAND DRYER	SENSOR OPERATED: AMERICAN SPECIALTIES MODEL #0134 OR APPROVED EQUAL
M-1	ANTI-LIGATURE MIRROR	CUSTOM 18 GA MIRROR STAINLESS STEEL (20 X 36) WITH HEMMED EDGES
M-2	TYPE A MIRROR (STAFF MIRROR)	POLISHED TEMPERED GLASS MIRROR IN STAINLESS STEEL FRAME 18"X24"
M-3	SAFETY MIRROR	18" FULL DOME MIRRORS: MODEL DO-18 BY CAMPUS CRAFTS, INC.,
SC/SCT-SM	SHOWER CURTAIN AND SHOWER CURTAIN TRACK	SECURITY SHOWER CURTAIN AND SURFACED MOUNTED SHOWER CURTAIN TRACK BY INPRO
SRTTD	SINGLE ROLL TOILET TISSUE DISPENSER	22 GUAGE STAINLESS STEEL4-1/2" WIDE CORE TISSUE ROLL UP TO 5 INCH DIAMETER. UNITS SHALL HAVE CHROMIUM METAL ROLLER AND SUPPORT POSTS
TTD-1	TOILET TISSUE DISPENSER	ANTI LIGATURE RECESSED 14 GUAGE SS TOILET PAPER HOLDER

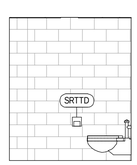
NOTES:
REFER TO TYPICAL MOUNTING HEIGHTS SHEET FOR ADDITIONAL INFORMATION
REFER TO FINISH SCHEDULE ON SHEET A-2604 FOR WALL FINISHES



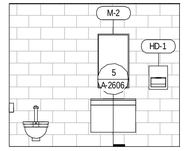
9 LAUNDRY _-122 - SOUTH ELEVATION
1/4" = 1'-0"



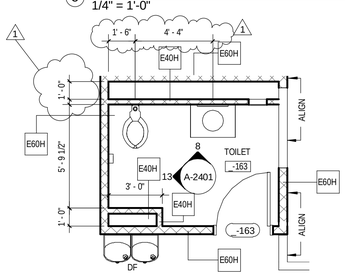
ENLARGED FLOOR PLAN - LAUNDRY
5 -122
1/4" = 1'-0"



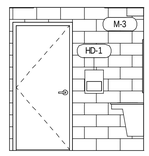
13 TOILET _-163 WEST ELEVATION
1/4" = 1'-0"



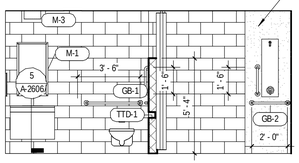
8 TOILET _-163 NORTH ELEVATION
1/4" = 1'-0"



4 ENLARGED FLOOR PLAN - TOILET _-163
1/4" = 1'-0"



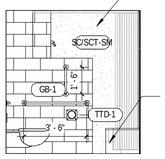
12 BATHROOM _-120 WEST ELEVATION
1/4" = 1'-0"



7 BATHROOM _-120 NORTH ELEVATION
1/4" = 1'-0"

1/2" SOLID PLASTIC WALL PANEL SEE DTLS ON SHEET A-1604

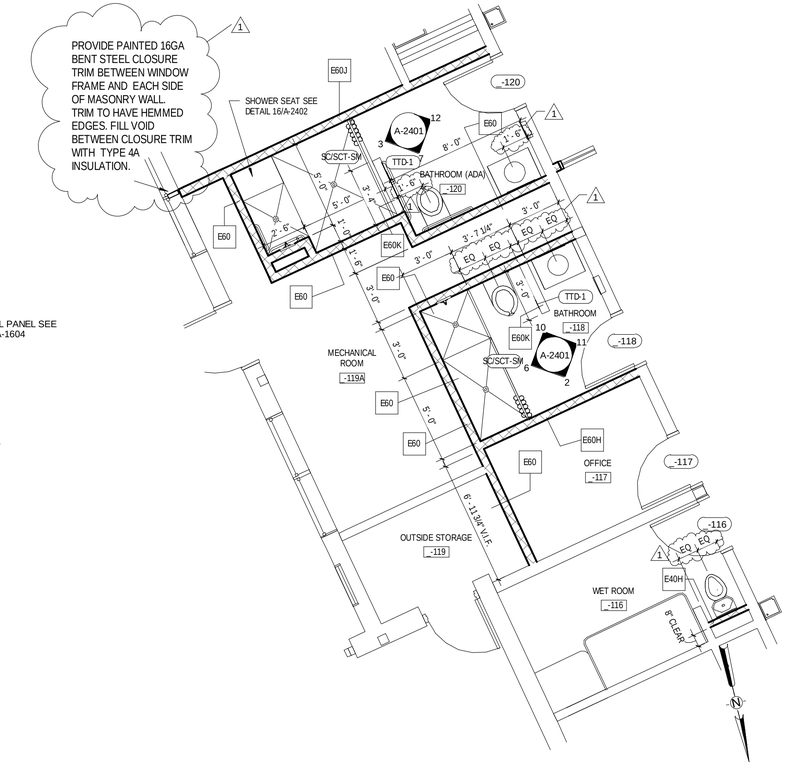
1/2" SOLID PLASTIC WALL PANEL SEE DTLS ON SHEET A-1604



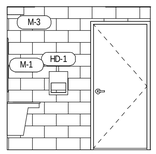
SHOWER BENCH, SEE DTL 16/A-1402

3 BATHROOM _-120 EAST ELEVATION
1/4" = 1'-0"

PROVIDE PAINTED 16GA BENT STEEL CLOSURE TRIM BETWEEN WINDOW FRAME AND EACH SIDE OF MASONRY WALL. TRIM TO HAVE HEMMED EDGES. FILL VOID BETWEEN CLOSURE TRIM WITH TYPE 4A INSULATION.

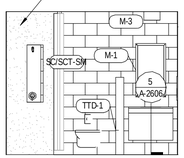


1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



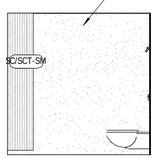
11 BATHROOM _-118 - WEST ELEVATION
1/4" = 1'-0"

1/2" SOLID PLASTIC WALL PANEL SEE DETAILS ON SHEET A-1604

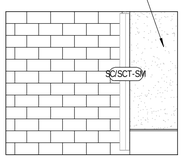


10 BATH _-118 - SOUTH ELEVATION
1/4" = 1'-0"

1/2" SOLID PLASTIC WALL PANEL SEE DETAILS ON SHEET A-1604



6 BATH _-118 -EAST ELEVATION
1/4" = 1'-0"



2 BATHROOM _-118 - NORTH ELEVATION
1/4" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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SHEET TITLE:

BUILDING 78
ENLARGED FLOOR PLANS, INT ELEV.

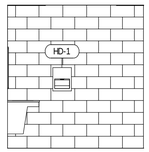
DRAWING NUMBER:

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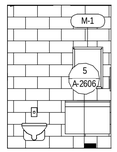
SHEET OF

BUILDING DESIGNATION
BUILDING 78 = 2

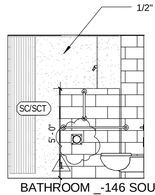
BUILDING DESIGNATOR
2-100 BUILDING 78 ROOM NUMBERS
2-100 BUILDING 78 DOOR NUMBERS



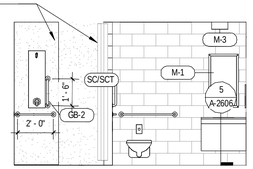
16 TOILET _-151 NORTH INT. ELEVATION
1/4" = 1'-0"



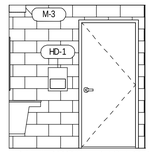
13 TOILET _-151 WEST INT. ELEVATION
1/4" = 1'-0"



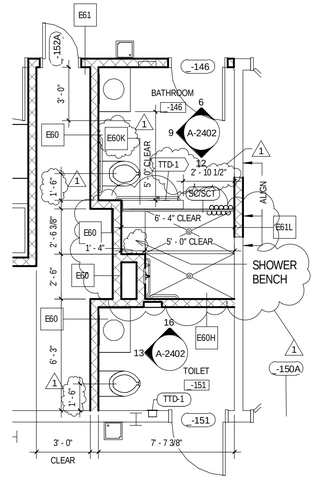
12 BATHROOM _-146 SOUTH INT. ELEVATION
1/4" = 1'-0"



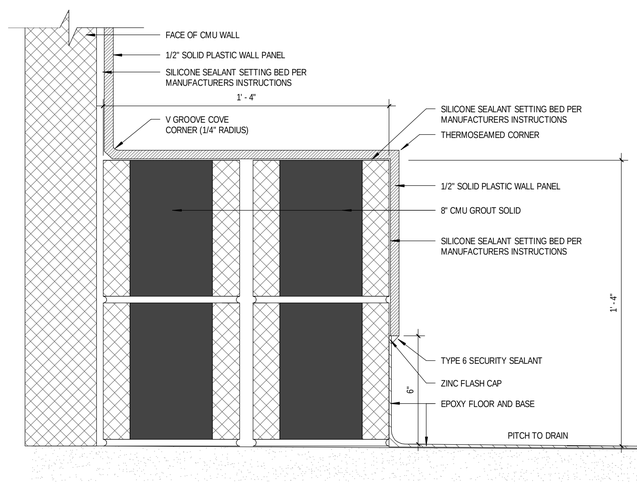
9 BATHROOM _-146 WEST INT. ELEVATION
1/4" = 1'-0"



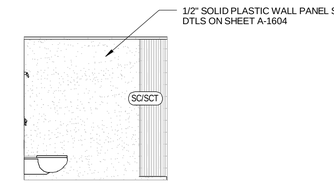
6 BATHROOM _-146 NORTH INT. ELEVATION
1/4" = 1'-0"



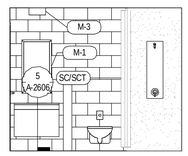
3 ENLARGED FLOOR PLAN - TOILET _-151, BATHROOM _-146
1/4" = 1'-0"



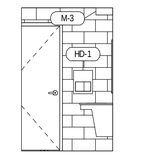
15 SHOWER BENCH DETAIL
3" = 1'-0"



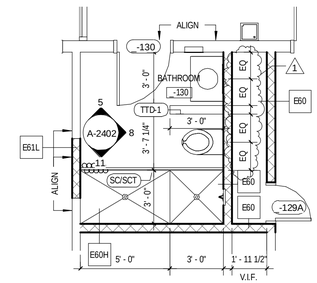
11 BATHROOM _-130 SOUTH INT. ELEVATION
1/4" = 1'-0"



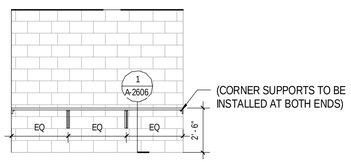
8 BATHROOM _-130 EAST INT. ELEVATION
1/4" = 1'-0"



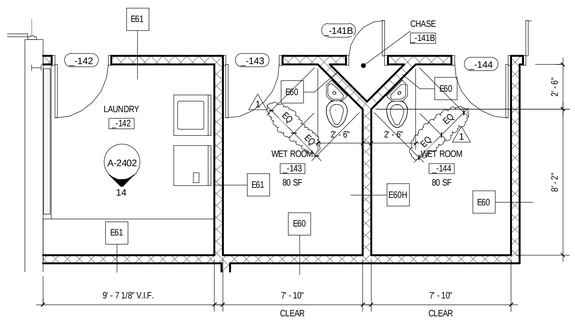
5 BATHROOM _-130 NORTH INT. ELEVATION
1/4" = 1'-0"



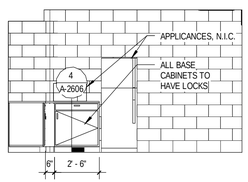
2 ENLARGED FLOOR PLAN -BATHROOM -130
1/4" = 1'-0"



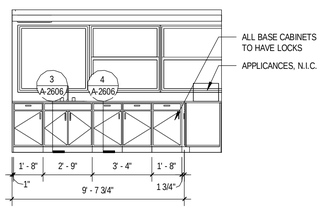
14 LAUNDRY _-142 SOUTH INT. ELEVATION
1/4" = 1'-0"



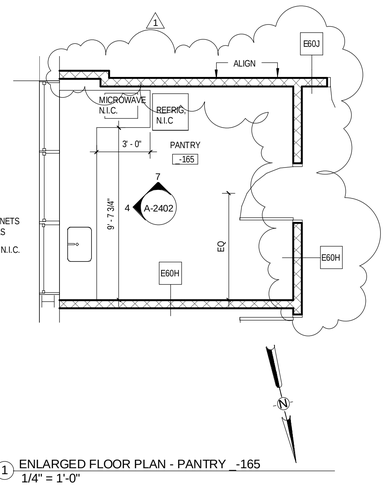
10 ENLARGED FLOOR PLAN - LAUNDRY _-142, WET ROOMS _-143, _-144
1/4" = 1'-0"



7 PANTRY _-165 - NORTH INT. ELEVATION
1/4" = 1'-0"



4 PANTRY _-165 - WEST INT. ELEVATION
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - PANTRY _-165
1/4" = 1'-0"

36x24 PLOT SHEET

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

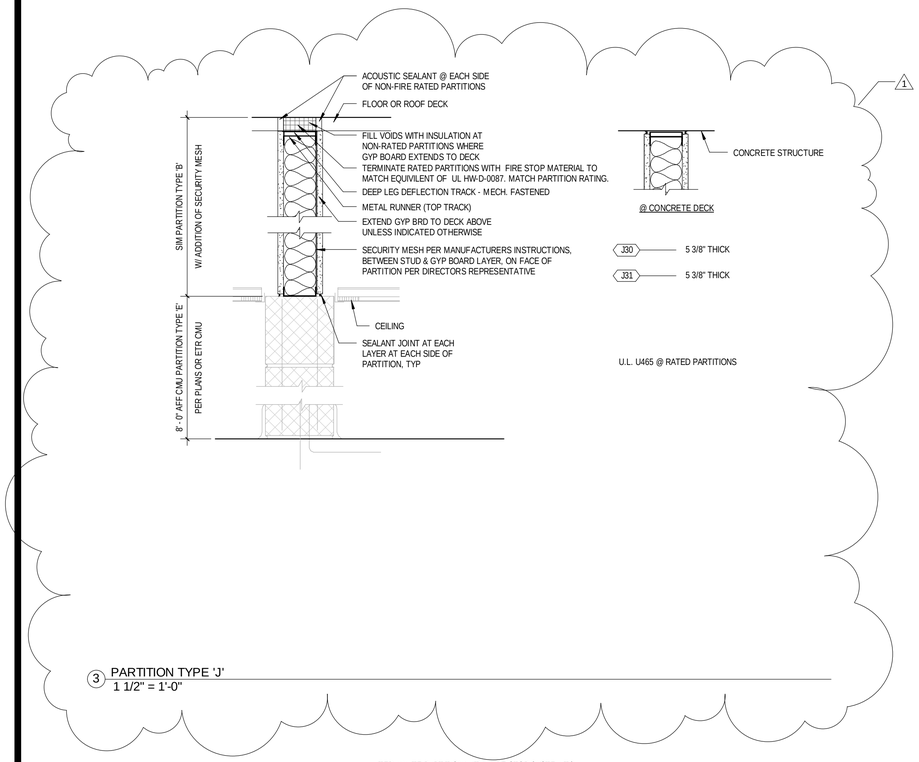
CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	HCE	
FIELD CHECK:		
APPROVED:		

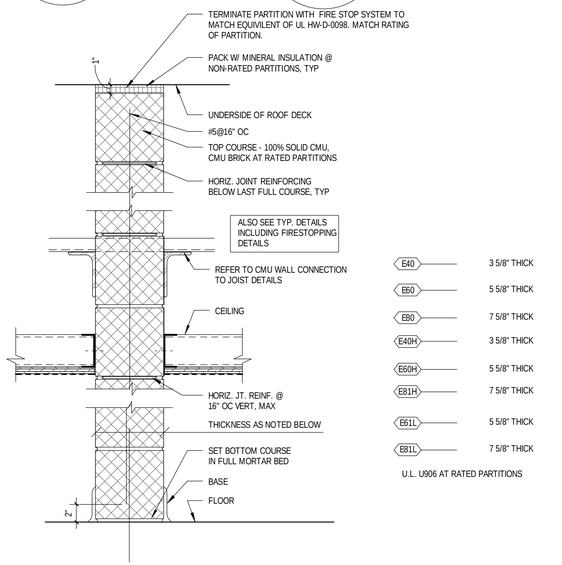
SHEET TITLE:
BUILDING 78
ENLARGED FLOOR PLANS, INT ELEV.

DRAWING NUMBER:
A - 2402

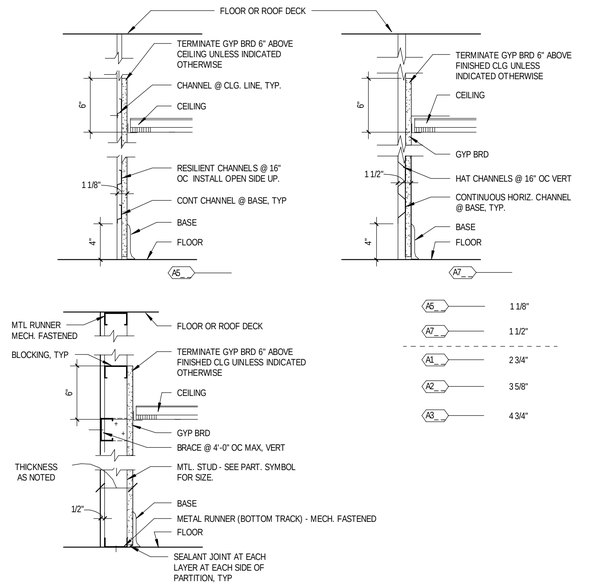
SHEET OF



3 PARTITION TYPE 'J'
1 1/2" = 1'-0"



2 PARTITION TYPE 'E' - CMU
1 1/2" = 1'-0"



1 PARTITION TYPE 'A' - FURRED GYPSUM BOARD
1 1/2" = 1'-0"

GENERAL PARTITION NOTES

STANDARDS: CMU PARTITIONS

(PROVIDE THESE FEATURES AT ALL CMU PARTITIONS)
1. CMU PARTITIONS TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
2. FIRE RATING FOR CONCRETE MASONRY UNITS MAY BE BASED ON THE EQUIVALENT THICKNESS METHOD PER IBC CHAPTER 7 AND NCMA.
3. CMU TO BE LIGHTWEIGHT UNLESS OTHERWISE INDICATED.
4. PROVIDE ACOUSTIC SEALANT & BACKER ROD AT ALL NON RATED PARTITIONS.
5. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR UL DESIGN - AT RATED PARTITIONS.

(PROVIDE THESE ADDITIONAL FEATURES AT WALL INFILLS)
6. FULLY GROUT CMU TO MATCH EXISTING 6 OR 8 INCH WALL. PROVIDE #5 VERTICAL REINFORCEMENT AT 24" OC & #5 HORIZONTAL REINFORCEMENT AT 24" OC., DOWEL AND GROUT HORIZONTALS INTO EXISTING WALL WITH #5 REBAR 12" AND LAPPED WITH NEW HORIZONTAL REINFORCEMENT. IN OPENINGS ADJACENT TO EXISTING STRUCTURE WELD HORIZONTALS TO EXISTING STRUCTURE.

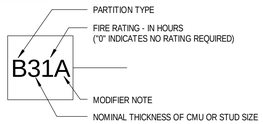
STANDARDS: GYPSUM BOARD PARTITIONS

(PROVIDE THESE FEATURES AT ALL GYPSUM BOARD & METAL STUD PARTITIONS)
1. PROVIDE TYPE "X" GYPSUM BOARD AT ALL FIRE RATED GYPSUM BOARD AND METAL STUD PARTITIONS
2. SPACE STUDS AT 16"OC, MAX, UNLESS OTHERWISE INDICATED
3. GYPSUM BOARD SHALL BE 5/8" THICK UNLESS OTHERWISE INDICATED
4. METAL STUDS AND ALL LAYERS OF GYPSUM BOARD ARE TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
5. PROVIDE MOLD & MOISTURE RESISTANT GYPSUM BOARD BEHIND ALL CERAMIC TILE WAINSCOT AND FULL HEIGHT CERAMIC TILE WALLS UNLESS OTHERWISE INDICATED.
6. PROVIDE SAG RESISTANT GYPSUM BOARD AT ALL INTERIOR CEILING APPLICATIONS UNLESS OTHERWISE INDICATED.
7. PROVIDE SOUND ATTENUATION BLANKETS FULL THICKNESS OF STUD UNLESS OTHERWISE INDICATED
8. PROVIDE ACOUSTICAL SEALANT AT ALL NON RATED PARTITIONS.
9. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR U.L. DESIGN - AT RATED PARTITIONS.

STANDARDS: FRPB PARTITIONS

(PROVIDE THESE FEATURES AT ALL FRPB PARTITIONS)
1. PROVIDE 20 GAUGE METAL STUDS AT FRPB WALLS UNLESS NOTED OTHERWISE
2. SPACE STUDS AT 16"OC, MAX, UNLESS OTHERWISE INDICATED
3. FIRE RATED PARTICLE BOARD SHALL BE 1/2" THICK UNLESS OTHERWISE INDICATED
4. METAL STUDS AND ALL LAYERS OF PARTICLE BOARD ARE TO EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
7. PROVIDE SOUND ATTENUATION BLANKETS FULL THICKNESS OF STUD UNLESS OTHERWISE INDICATED
8. PROVIDE ACOUSTICAL SEALANT AT ALL NON RATED PARTITIONS.
9. PROVIDE FIRE RESISTANT JOINT SYSTEM - REFER TO SPECIFICATIONS FOR U.L. DESIGN - AT RATED PARTITIONS.

KEY TO PARTITION TYPE SCHEDULE



PARITION TYPE:
A: GYP BRD - 1 LAYER, 1SIDE
B: GYP BRD - 1 LAYER EACH SIDE
C: GYP BRD - 1 LAYER ONE SIDE, 2 LAYERS OTHER SIDE
D: GYP BRD - 2 LAYERS EACH SIDE
E: CMU
F: FRPB ON METAL STUDS - 1 LAYER EACH SIDE
H: PLUMBING CHASE - GYP BRD
J: GYP BRD - 1 LAYER EACH SIDE, SECURITY MESH ONE SIDE
S: GYPSUM SHAFTWALL
X: EXTERIOR FURRING - GYP BRD
Z: 'Z' FURRING

FOR STUD WALLS STUD SIZE IS INDICATED AS FOLLOWS:
1 - 1 5/8" STUD
2 - 2 1/2" STUD
3 - 3 5/8" STUD
4 - 4" STUD
5 - 1/2" RESILIENT FURRING CHANNELS
6 - 6" STUD
7 - 7/8" HAT SHAPED FURRING CHANNELS
8 - 8" STUD

FOR CMU WALLS THICKNESS IS INDICATED AS FOLLOWS:
4 - 3 5/8" CMU 9 - 9 5/8" CMU
6 - 5 5/8" CMU 1 - 11 5/8" CMU
8 - 7 5/8 CMU

FOR SHAFT WALLS STUD SIZE IS INDICATED AS FOLLOWS:
2 - 2 1/2" CH OR I STUD
4 - 4" CH OR I STUD

FIRE RATING - IN HOURS:
0 - NO RATING REQUIRED
1 - 1 HOUR (60 MINUTES)
2 - 2 HOURS (120 MINUTES)
5 - 1/2" HOUR (30 MINUTES)

MODIFIER NOTES
(PROVIDE THESE FEATURES WHERE NOTED WHERE NOTED IN PARTITION KEY)
A. PROVIDE SOUND ATTENUATION BLANKET.
B. TERMINATE GYP BOARD 6" ABOVE CEILING INSTEAD OF EXTENDING FULL HEIGHT.
C. FACE LAYER TO BE MOISTURE RESISTANT GYP BRD. PROVIDE SOUND ATTENUATION BLANKET FULL THICKNESS OF STUD.
D. PROVIDE ABUSE RESISTANT GYP BRD INSTEAD OF REGULAR OR TYPE "X".
E. PROVIDE CEMENT BACKER BOARD INSTEAD OF GYP BRD.
F. PROVIDE EXTRA LAYER OF GYP BRD ON EXPOSED SIDE AND SOUND ATTENUATION BLANKET FULL THICKNESS OF STUD.
G. CERAMIC TILE ON CEMENT BACKER BOARD
H. PARTITION TERMINATES AT 8'-0" A.F.F.
I. PARTITION TERMINATES AT UNDERSIDE OF CEILING
J. SMOKE TIGHT PARTITION
K. REFER TO (ST-7) LOW WALL DETAIL AS INDICATED ON FINISH SCHEDULE AND LEGEND SHEET
L. PARTITION INFILL AT DOOR OR WINDOW REMOVAL. REFER TO CMU NOTE 6 ABOVE.
M. ABUSE RESISTANT GWB EACH SIDE W/ POLYCARBONATE & CEMENT BOARD ON THREAT SIDE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78
INTERIOR PARTITION TYPES

DRAWING NUMBER:
A - 2600

SHEET OF

36x24 PLOT SHEET

DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR: EXISTING	DOOR: SIZE WIDTH	DOOR: SIZE HEIGHT	DOOR: SIZE THICKNESS	DOOR: TYPE	DOOR: MATERIAL	DOOR: FINISH	FRAME: EXISTING	FRAME: TYPE	FRAME: MATERIAL	FRAME: FINISH	FRAME: ANCHORS	DETAILS: HEAD	DETAILS: JAMB	DETAILS: SILL	GLASS TYPE	FIRE RATING	HARDWARE: SET NO.	HARDWARE: HAND	REMARKS	DOOR NO.
01 - LEVEL 1																						
-101	VESTIBULE		3'-0"	7'-0"	1 3/4"	NV-C	STEEL		X			PTD	CEO	5/A-2602	8/A-2602	13/A-2602	M		2	RHR	MONITORED BY SECURITY	-101
-101A	VESTIBULE	X							X	F9		PTD					S-4		3	RHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	-101A
-102	ELECTRICAL	X							X			PTD					S-4		3	RH	REPLACE 24" X 24" VISION PANEL	-102
-103	CORRIDOR	X							X	F3		PTD					S-4		10	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	-103
-103A	UNIT LOG ROOM	X							X	F9		PTD					S-4		10	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	-103A
-104	CORRIDOR	X							X	F11		PTD					S-4		3	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	-104
-105	PASSAGEWAY	X							X			PTD		2/A-2501					3	LHR		-105
-106	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL				STEEL	PTD		2/A-2501			M		14	LH		-106
-107	A-1 (ADA)		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-107
-108	A-2		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-108
-109	A-3		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-109
-110	A-4		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-110
-111	A-5		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-111
-112	A-6		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-112
-113	A-7		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-113
-114	A-8		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-114
-115	A-9		3'-0"	7'-0"	1 3/4"	NV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-115
-116	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL		X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-116
-117	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL			F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	LH		-117
-118	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		7	LH		-118
-119	OUTSIDE STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD	CEO	9/A-2602	12/A-2602	13/A-2602			19	RHR		-119
-119A	MECHANICAL ROOM		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		10/A-2602	11/A-2602	13/A-2602			19	LHR		-119A
-120	BATHROOM (ADA)		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD					S-4		7	RH		-120
-121	CORRIDOR	X						PTD	X			PTD		2/A-2501			S-4		3	RHR	REPLACE 24" X 24" VISION PANEL	-121
-122	LAUNDRY	X						PTD	X			PTD		2/A-2501			S-4		10	LH	REPLACE 24" X 24" VISION PANEL	-122
-123	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD		F1	STEEL	PTD	CEO	5/A-2602	8/A-2602	13/A-2602	M		1	RHR	CONTROLLED BY SECURITY	-123
-123A	CORRIDOR	X						PTD		F10	STEEL	PTD		3/A-2602	1/A-2602		S-4		13	LH		-123A
-124	CORRIDOR	X						PTD	X			PTD		2/A-2501					10	LHR		-124
-125	TOILET	X						PTD	X			PTD		2/A-2501					3	RH		-125
-126	VESTIBULE	X						PTD	X			PTD		2/A-1501			S-4		3	RH	REPLACE TWO EXISTING 24" X 30" VISION PANELS	-126
-126A	VESTIBULE	X						PTD	X			PTD		2/A-2501					3	LH		-126A
-127	VESTIBULE		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD	X	F1	STEEL	PTD	CEO	3/A-2602	1/A-2602		M		2	RHR	MONITORED BY SECURITY	-127
-127A	VESTIBULE	X						PTD	X			PTD							3	RH		-127A
-127B	VESTIBULE	X						PTD	X			PTD		3/A-2602			G	45 MIN.	3	RHR	REPLACE TWO EXISTING 24" X 30" VISION PANELS	-127B
-128A	VESTIBULE		3'-0"	7'-0"	1 3/4"	HG	STEEL	PTD	X		STEEL	PTD					S-4		14	RHR		-128A
-128B	TOILET	X						PTD	X			PTD		3/A-2602					3	RH		-128B
-129	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				14	RHR		-129
-129A	STORAGE		2'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				23	LHR		-129A
-130	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		7	RH	REVERSE EXISTING SWING	-130
-131	B-1		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	LH	REVERSE EXISTING SWING	-131
-132	B-2		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-132
-133	B-3		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	LH	REVERSE EXISTING SWING	-133
-134	B-4		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-134
-135	B-5		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-135
-136	B-6		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-136
-137	B-7		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	LH	REVERSE EXISTING SWING	-137
-138	B-8		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-138
-139	B-9		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	LH	REVERSE EXISTING SWING	-139
-140	B-10		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD		2/A-2501			S-4		6	RH	REVERSE EXISTING SWING	-140
-141	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD		F1	STEEL	PTD	CEO				M		1	RHR	CONTROLLED BY SECURITY	-141
-141A	CORRIDOR	X						PTD	X	F10		PTD					S-4		3	LHR	REPLACE VISION PANELS IN DOOR AND SIDELIGHTS	-141A
-141B	CHASE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				23	RHR		-141B
-142	LAUNDRY		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	RH		-142
-143	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL	PTD		F1	STEEL	PTD					S-4		6A	RH		-143
-144	WET ROOM		3'-0"	7'-0"	1 3/4"	HV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		6A	LH		-144
-145	IT		3'-6"	7'-0"	1 3/4"	F-M	STEEL	PTD		F1	STEEL	PTD		9/A-2602	7/A-2602	13/A-2602			20	RHR		-145
-146	BATHROOM		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		7	LH		-146
-147	CORRIDOR	X						PTD	X			PTD		2/A-2501			S-4		3	RH	REPLACE 24" X 24" VISION PANEL	-147
-148	OFFICE	X						PTD	X			PTD		2/A-2501					3	RH		-148
-149	TOILET											PTD										-149
-150	ACTIVITY ROOM		3'-6"	7'-0"	1 3/4"	NV-C	STEEL	PTD			STEEL	PTD	CEO				M		2	LHR	MONITORED BY SECURITY	-150
-150A	CORRIDOR	X							X			PTD		2/A-2501			G	45 MIN.	3	RHR	REPLACE 24" X 24" VISION PANEL	-150A
-150B	ACTIVITY ROOM		3'-0"	7'-0"	1 3/4"	F		PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				23	LH		-150B
-151	TOILET		3'-0"	7'-0"	1 3/4"	HV	FRP	FF		F1	STEEL	PTD		3/A-2602	1/A-2602		G	45 MIN.	7B	RHR		-151
-152	MECHANICAL ROOM		3'-8"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				14A	LHR		-152
-152A	MECHANICAL ROOM		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				23			-152A
-153	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	LHR		-153
-154	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	LHR		-154
-155	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	RHR		-155
-156	MAIN ACTIVITY ROOM		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		13	LHR		-156
-157	TOILET		3'-0"	7'-0"	1 3/4"	F	FRP	FF	X			PTD		2/A-2501				45 MIN.	7A	LHR	NEW FRP DOOR IN EXISTING FRAME	-157
-158	CLASSROOM	X						PTD	X			PTD		2/A-2501					10	LHR		-158
-159	MAIN ACTIVITY ROOM		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1		PTD		3/A-2602	1/A-2602		S-4		13	LHR		-159
-159A	MAIN ACTIVITY ROOM		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD	X			PTD					M		2	LHR	MONITORED BY SECURITY	-159A
-160	STORAGE	X						PTD	X			PTD		2/A-2501					10	LHR		-160
-161	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		9	LHR		-161
-162	CORRIDOR		3'-0"	7'-0"	1 3/4"	NV-C	STEEL	PTD		F1	STEEL	PTD	CEO	3/A-2602	1/A-2602		M		2	LHR	MONITORED BY SECURITY	-162
-163	TOILET		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD			STEEL	PTD		3/A-2602	1/A-2602				11	RH		-163
-165	PANTRY		3'-0"	7'-0"	1 3/4"	HG	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		14	LH		-165
-166	STORAGE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602				14	RH		-166
-167	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		14	LH		-167
-169	MECHANICAL & FIRE SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD							19	LHR		-169
-170	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		14	LH		-170
-171	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		14	RH		-171
-172	OFFICE		3'-0"	7'-0"	1 3/4"	NV	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602		S-4		14	RH		-172
-173	MECHANICAL & WATER SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD		F1	STEEL	PTD		3/A-2602	1/A-2602			45 MIN.	19A	LH		-173
-173A	MECHANICAL & WATER SERVICE		3'-0"	7'-0"	1 3/4"	F	STEEL	PTD	X	F1	STEEL	PTD							20	LHR		-173A

BUILDING DESIGNATION
BUILDING 78 = 2

- BUILDING DESIGNATOR
- 2-100 BUILDING 78 ROOM NUMBERS
- 2-100 BUILDING 78 DOOR NUMBERS

DOOR SCHEDULE ABBREVIATIONS

DOOR MATERIALS

AL:	ALUMINUM
FRP:	FIBERGLASS RE-INFORCED PLASTIC
STL:	STEEL
SS:	STAINLESS STEEL
STL PLT:	STEEL PLATE
WD:	WOOD

FRAME MATERIALS

AL:	ALUMINUM
CI:	CHANNEL IRON
STL:	STEEL
SS:	STAINLESS STEEL
WD:	WOOD

DOOR TYPES

DA:	DOUBLE ACTING
F:	FLUSH
FG:	FULL GLASS
HG:	HALF GLASS
LVR:	LOUVER
NV:	NARROW VISION
V:	VISION

ANCHOR TYPES

M:	ADJUSTABLE YOKE & STRAP WELDED-IN
EWA:	EXISTING WALL ANCHOR WELDED-IN
MS:	METAL STUD ANCHOR WELDED-IN
WS:	WOOD STUD ANCHOR WELDED-IN
IMBED:	MASONRY DETENTION ANCHOR
CEO:	CONCEALED EXISTING OPENING

GLASS TYPE

D:	TEMPERED
I:	LAMINATED SAFETY
M:	INSULATED
S-1:	1/2" MONOLITHIC POLYCARBONATE
S-3:	1-5/16" GLASS CLAD POLYCARBONATE LAMINATE
S-4:	9/16" GLASS CLAD POLYCARBONATE LAMINATE
S-5:	1" LAMINATED POLYCARBONATE
S-6:	1-1/4" LAMINATED POLYCARBONATE
S-7:	7/8" GLASS CLAD POLYCARBONATE
S-9:	1/2" LAMINATED POLYCARBONATE

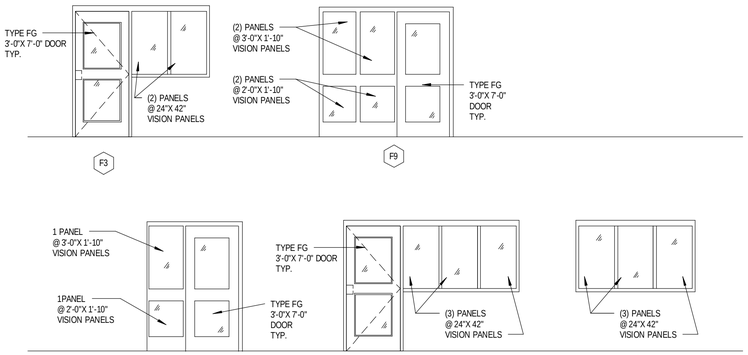
HAND TYPE

LH:	LEFT HAND
LHR:	LEFT HAND REVERSE
LHRA:	LEFT HAND REVERSE ACTION
LHRA (PAIR):	LEFT HAND REVERSE ACTION PAIR
RH:	RIGHT HAND
RHR:	RIGHT HAND REVERSE
RHRA:	RIGHT HAND REVERSE ACTION
RHRA (PAIR):	RIGHT HAND REVERSE ACTION PAIR

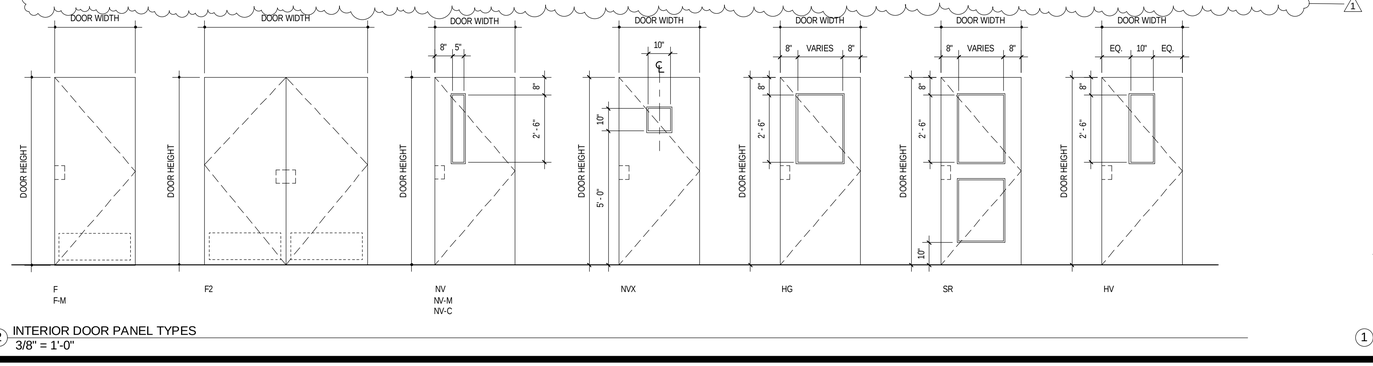
FINISHES

IAL-4:	INTERIOR STEEL DOORS & FRAMES
FF:	FACTORY FINISH
EAL-3:	EXTERIOR STEEL DOORS & FRAMES

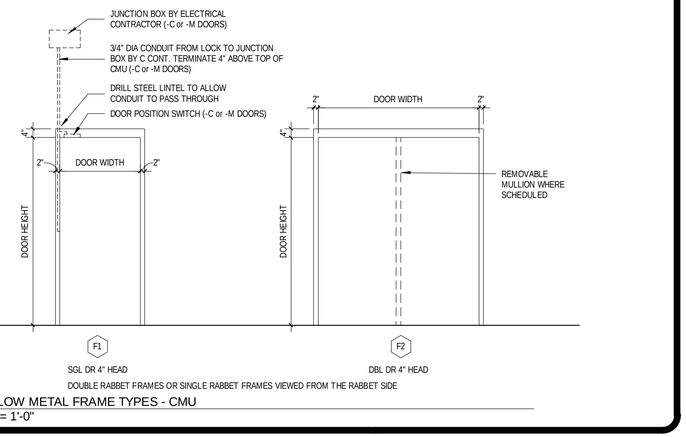
GENERAL NOTES:
1. FF= FACTORY FINISH
2. ALL NEW AND EXISTING DOORS AND FRAMES TO BE PAINTED UNLESS NOTED AS FF (FACTORY FINISH), COLOR BY DIRECTORS REPRESENTATIVE
3. AT ALL DOORS AND SIDELIGHTS TO RECIEVE VISION PANEL REPLACEMENT, VERIFY EXISTING VISION PANEL OPENINGS.
4. PROVIDE NEW GLAZING KIT AT ALL VISION PANEL REPLACEMENTS IN DOORS AND SIDELIGHTS.
5. AT ALL EXISTING FRAMES TO RECEIVE NEW DOORS, FIELD VERIFY EXISTING FRAME OPENINGS.



INTERIOR DOOR FRAMES
1/4" = 1'-0"



INTERIOR DOOR PANEL TYPES
3/8" = 1'-0"



HOLLOW METAL FRAME TYPES - CMU
3/8" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

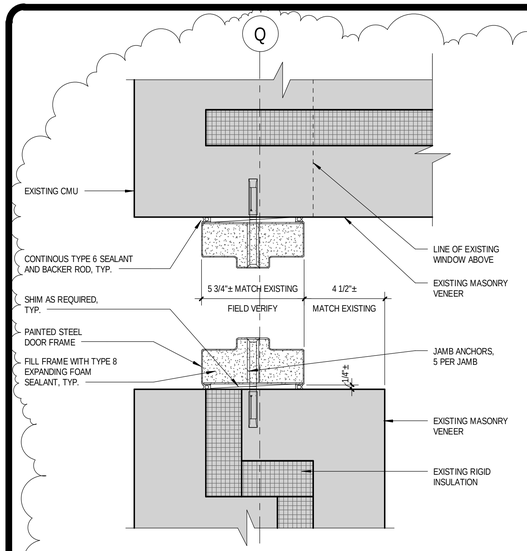
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

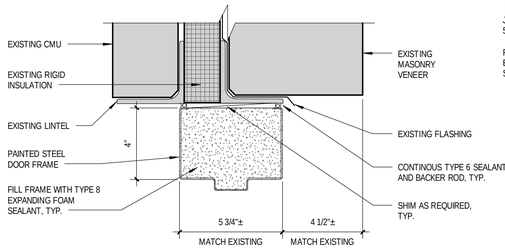
SHEET TITLE:
BUILDING 78
DOOR SCHEDULE, FRAMES, & TYPES

DRAWING NUMBER:
A - 2601

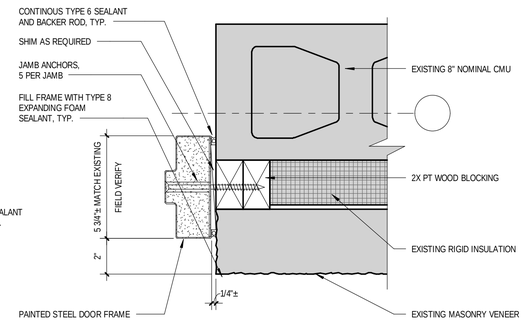
SHEET OF



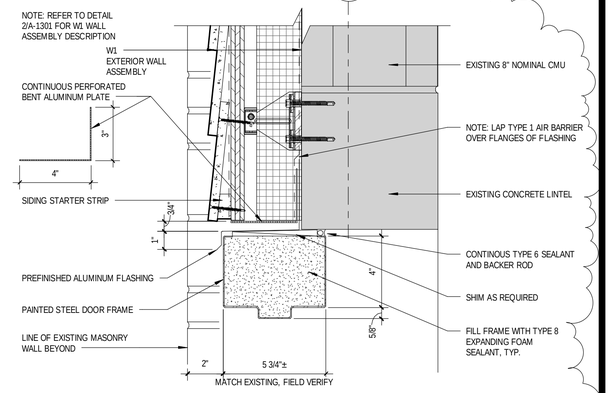
12 JAMB DETAIL AT DOOR 119
3" = 1'-0"



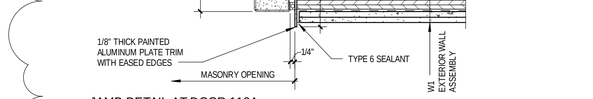
9 HEAD DETAIL AT DOOR 119
3" = 1'-0"



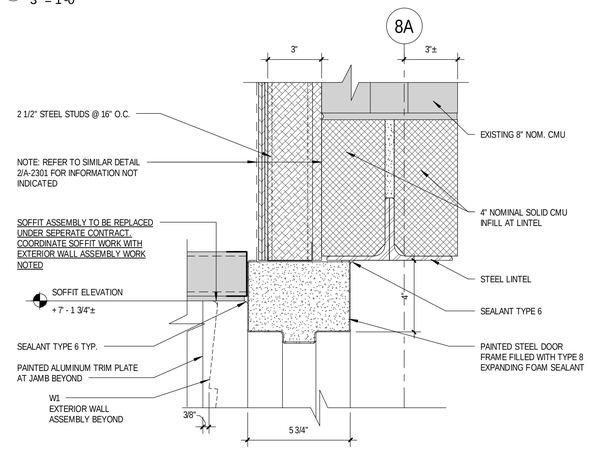
8 JAMB DETAIL AT DOORS 101 AND 123
3" = 1'-0"



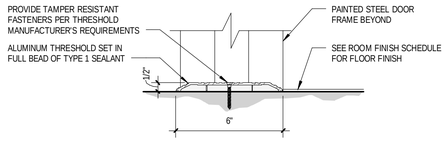
5 HEAD DETAIL DOORS 101 & 123
3" = 1'-0"



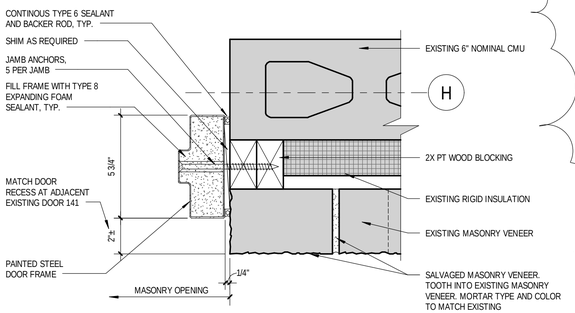
11 JAMB DETAIL AT DOOR 119A
3" = 1'-0"



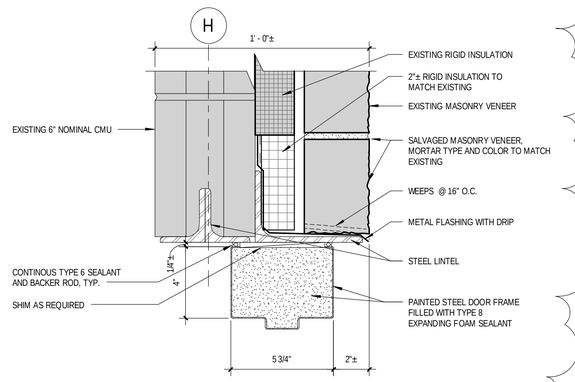
10 HEAD DETAIL AT DOOR 119A
3" = 1'-0"



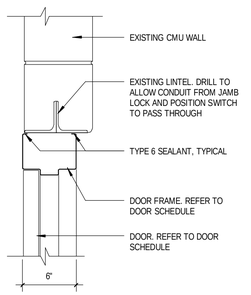
13 SILL DETAIL
3" = 1'-0"



7 JAMB DETAIL DOOR 145
3" = 1'-0"



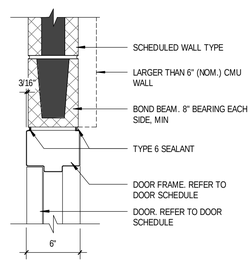
6 HEAD DETAIL DOOR 145
3" = 1'-0"



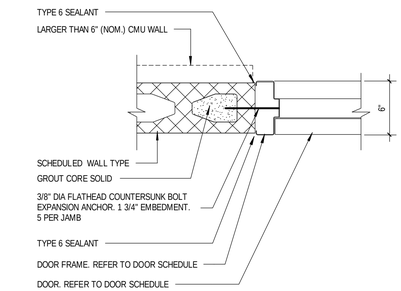
4 INTERIOR DOOR HEAD DETAIL - EXISTING
1 1/2" = 1'-0"



2 INTERIOR DOOR JAMB - EXISTING
1 1/2" = 1'-0"



3 INTERIOR DOOR HEAD DETAIL
1 1/2" = 1'-0"



1 INTERIOR DOOR JAMB
1 1/2" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:

CONSTRUCTION

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	HCE
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 78
DOOR DETAILS

DRAWING NUMBER:

A - 2602

SHEET OF

CODE LEGEND

SYMBOL	FIRE RESISTIVE CONSTRUCTION	HOUR RATING DOOR	HOUR RATING WINDOW	HOUR RATING DAMPERS
	1 HR - FIRE BARIER - EXISTING TO REMAIN	3/4 HR	W-60	1-1/2 HR
	2 HR - FIRE BARRIER - EXISTING TO REMAIN	1-1/2 HR	W-120	1-1/2 HR
	EGRESS PATH/ COMMON PATH OF TRAVEL			
	EXIT LIGHTING			
F.E.	PORTABLE FIRE EXTINGUISHER			

STAIR, OR DOOR EGRESS TAG

STAIR OR DOOR CLEAR WIDTH — 1-42 — STAIR OR DOOR IDENTIFIER
EXIT CAPACITY — 205
EXIT CAPACITY FACTOR — 41" 0.20
ACTUAL OCCUPANT LOAD — 205

ROOM TAG

ROOM IDENTIFIER — Area
ROOM AREA — 620 SF
ROOM OCCUPANT LOAD FACTOR — 200 SF
NO. OF OCCUPANTS — 4

SUMMARY OF WORK NOTES

AREA OF WORK NOTES:

1. THE ENTIRE BUILDING IS CLASSIFIED AS A LEVEL 1 ALTERATION. THERE WILL BE NO WINDOWS OR DOORS ADDED OR ELIMINATED.
2. INTERIOR DOORS AND HARDWARE TO BE REPLACED OR CLEARED OF HAZARDOUS MATERIALS AND REINSTALLED. SEE ASTERISK FOR LOCATIONS. SOME INTERIOR DOOR FRAMES TO REMAIN. SEE THE ARCHITECTURAL DRAWINGS FOR SPECIFIC SCHEDULED WORK FOR EACH DOOR.
3. ALL EXTERIOR DOORS, FRAMES AND HARDWARE TO BE REPLACED. SEE ASTERISK FOR LOCATIONS.
4. ALL WINDOWS TO REMAIN. SEE ASTERISK FOR WINDOWS TO RECEIVE NEW GLAZING.
5. WATER CLOSETS AND LAVATORIES TO BE REPLACED WITH NEW.
6. NEW FLOORING AND PAINT THROUGHOUT.
7. INSTALL NEW HEAD END (IT) EQUIPMENT IN STORAGE ROOM 3008.
8. REPLACE EXISTING AIR HANDLERS, CONDENSING UNITS AND BOILERS WITH NEW. CONNECT TO EXISTING PIPING/ WIRING.
9. REPLACE EXISTING ELECTRICAL PANELS, CONNECT TO EXISTING WIRING.
10. RE-LAMP AND RE-BALLAST EXISTING LIGHT FIXTURES.
11. REPLACE EXISTING FIRE ALARM PANEL WITH NEW. CONNECT TO EXISTING WIRING. EXISTING DEVICES TO REMAIN.
12. O.C.F.S. HAS A WAIVER BASED ON ABLE-BODY STAFF, THEREFORE: DOORS WITH VISION PANELS SHALL NOT BE REQUIRED TO MEET THE 2009 ANSI A117.1, 404.2.10 REQUIREMENT OF 43" MAX. HEIGHT A.F.F. SEE DOOR SCHEDULE ON ARCHITECTURAL DRAWINGS FOR DOOR LOCATIONS.

GRAPHICALLY DENOTES SPECIFIC AREAS OF WORK.

APPLICABLE CODES

UNDER THE NYSUFP&BC, ALL BUILDING PROJECTS MUST MEET OR EXCEED THE FOLLOWING CODES AND APPLICABLE REFERENCE STANDARDS IDENTIFIED:

- 2016 EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)
- 2016 BUILDING CODE OF NEW YORK STATE (IBC 2015)
- 2016 FIRE CODE OF NEW YORK STATE (IFC 2015)
- 2016 MECHANICAL CODE OF NEW YORK STATE (IMC 2015)
- 2016 PLUMBING CODE OF NEW YORK STATE (IPC 2015)
- 2016 FUEL AND GAS CODE OF NEW YORK STATE (IFGC 2015)
- 2016 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (IECC 2015)
- 2016 UNIFORM CODE SUPPLEMENT - NEW YORK STATE
- 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE
- NEW YORK STATE LABOR DEPARTMENT INDUSTRIAL CODE FOR ITEMS RELATING TO PEOPLE WHO WORK IN THE BUILDING SUCH AS SAFETY GLASS, PROVISIONS FOR WINDOW WASHING, COT SPACE FOR FEMALE EMPLOYEES, ASBESTOS ABATEMENT, BOILER DESIGN, ETC.
- 2009 ICC ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES /ANSI A117.1, AS REFERENCED IN THE CODES ABOVE.
- 2015 NATIONAL ELECTRIC CODE NFPA 70, AS REFERENCED IN THE CODES ABOVE.
- 2016 EXISTING BUILDING CODE OF NEW YORK STATE CHAPTER 15 : CONSTRUCTION SAFEGUARDS, AS REFERENCED IN THE CODES ABOVE.
- 2016 BUILDING CODE OF NEW YORK STATE CHAPTER 33: SAFEGUARDS DURING CONSTRUCTION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 33: FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 35: WELDING AND OTHER HOT WORKS, AS REFERENCED IN THE CODES ABOVE.

MEANS OF EGRESS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE EGRESS ANALYSIS. ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. (EBCNYS 704.1)

OCCUPANCY SEPARATIONS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE OCCUPANCY SEPARATION ANALYSIS.
2. 1-3 OCCUPANCY THROUGHOUT EXISTING BUILDING.

AREA CALCULATIONS

LEVEL	OCCUPANCY	ALLOWABLE SF	ACTUAL SF	RATIO	SUBTOTAL	TOTAL
1	EXISTING: I-3	10,000	4,670	NA	NA	NA

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE AREA CALCULATIONS PER EBCNYS CHAPTER 7.

BUILDING DATA

1. ECNYS (C301.1) RUSH, NEW YORK, MONROE COUNTY - CLIMATE ZONE 5A
2. (BCNYS 1006.2.1) AREAS AND ROOMS REQUIRED TO HAVE TWO (2) EXITS NA- A LEVEL 1 ALTERATION (EBCNYS SECTION 704.1)
3. (BCNYS 601) TYPE OF CONSTRUCTION: EXISTING: IIB NON COMBUSTIBLE, NON SPRINKLERED.
4. AREA MODIFICATIONS: NR- A LEVEL 1 ALTERATION (EBCNYS CHAPTER 7)
5. (BCNYS 504.4) STORIES: EXISTING 1 STORY / ALLOWABLE: NR: EXISTING - LEVEL 1 ALTERATION
6. (BCNYS 1010.1.10) ELECTRICAL ROOMS: NR -(EBCNYS 704 MEANS OF EGRESS)
7. (BCNYS 903.3.1.1.1) SPACES WITHOUT SPRINKLERS: NR- A LEVEL 1 ALTERATION (EBCNYS 703 FIRE PROTECTION)
8. 7. (BCNYS 1011) STAIRWAYS: NA- NO STAIRS & (EBCNYS 704 MEANS OF EGRESS)
9. (BCNYS 1012) RAMPS: (EBCNYS 704 MEANS OF EGRESS) - ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

REQUIRED DRAWINGS

BUILDING CODE OF NEW YORK STATE:
BC907.1,2 FIRE ALARM SHOP DRAWINGS
BC909.18.9 SMOKE CONTROL SYSTEMS

FIRE CODE OF NEW YORK STATE:
FC501.3 FIRE SERVICE FEATURES
FC901.2 FIRE PROTECTION SYSTEMS
FC907.1,1 FIRE ALARM AND DETECTION SYSTEMS
FC909.2, 909.3, AND 909.4 SMOKE CONTROL SYSTEMS

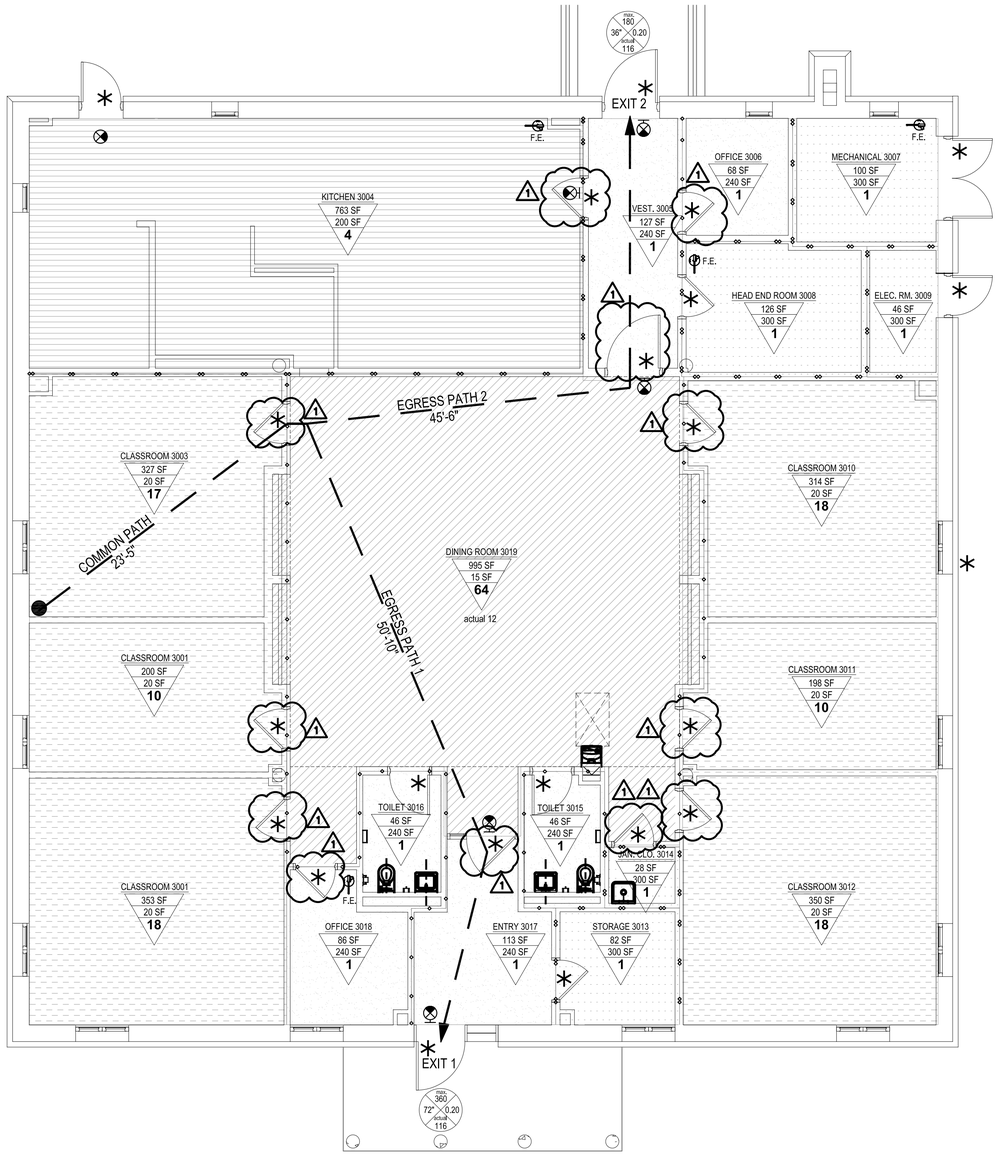
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE:
ECC103 INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS

EXISTING BUILDING CODE OF NEW YORK STATE:
EBC501.2 WORK AREA

PROJECT MUST COMPLY WITH THE FOLLOWING:
EXISTING BUILDING CODE 15 CONSTRUCTION SAFEGUARDS
BUILDING CODE 33 SAFEGUARDS DURING CONSTRUCTION
FIRE CODE 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION
FIRE CODE 35 WELDING AND OTHER HOT WORKS

FUNCTION OF SPACE LEGEND

- ASSEMBLY DINING WITHOUT FIXED SEATS: 995 SF / 15 (CONCENTRATED TABLES & CHAIRS) = 64 -(ACTUAL =12 WITH MONITORED USE)
- CLASSROOM AREAS: 1,742 SF / 20 NET =88 (91 -TOTAL SPACES)
- KITCHEN COMMERCIAL: 763 SF / 200 GROSS OLF = 4
- ACCESSORY SPACE: (STORAGE, MECH, ELECTRIC): 382 SF / 300 = 2 (5 -TOTAL SPACES)
- INSTITUTIONAL AREAS: INPATIENT TREATMENT (OFFICE, TOILET, CIRCULATION); 486 SF / 240 = 2 (6 - TOTAL SPACES)



1 FLOOR PLAN BUILDING 80
1/4" = 1'-0"

EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	PROVISIONS FOR ALL COMPLIOANCE		
301.1,2	WORK AREA COMPLIANCE METHOD	WILL COMPLY WITH CHAPTERS 5-13	
5	CLASSIFICATION OF WORK		
503.1	SCOPE: LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACE MENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.		EXISTING & PROPOSED I-3 OCCUPANCY
7	ALTERATIONS LEVEL 1		
7021.1	INTERIOR FINISHES	COMPLY WITH IBC CHAPTER 8 T803.11 • ENCLOSED ROOMS & SPACES: CLASS B • CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS: CLASS A • INTERIOR EXIT STAIRWAY AND RAMPS AND EXIT PASSAGEWAYS: CLASS A OR FOOTNOTE a.	• FINISHES IN ENCLOSED ROOMS & SPACES ARE: CLASS B OR GREATER • N/A - NO CORRIDORS OR RATED STAIRS EXIST. • N/A - NO INTERIOR EXIT STAIR, RAMPS, OR PASSAGEWAY EXIST.
702.2	INTERIOR FLOOR FINISH	COMPLY WITH IBC SECTION 804 804.2 CLASSIFICATION' & NFPA 253 MATERIAL CLASS I = 0.45 WATTS/cm² OR GREATER 804.4.2 MINIMUM CRITICAL RADIAN FLUX: I-3 OCCUPANCY SHALL NOT BE LESS THAN CLASS I	FLOOR MATERIALS MEET CRITERIA: • EPOXY RESIN FLOORING = SELF EXTINGUISHING > .45 WATTS/ cm² • SOLID VINYL FLOOR TILE = CLASS I • CERAMIC FLOOR TILE = CLASS I
702.3	INTERIOR TRIM	COMPLY WITH IBC SECTION 806 DECORATIVE MATERIALS AND TRIM. • NONCOMBUSTIBLE MATERIALS SHALL NOT BE LIMITED. • COMBUSTIBLE DECORATIVE MATERIALS NOT PERMITTED IN I-3 OCCUPANCY. • FOAM PLASTIC TRIM PER SECTION 2604.2 • INTERIOR TRIM TO HAVE MIN. CLASS C FLAME SPREAD AND SMOKE INDEX PER ASTM E84 OR UL723 • INTERIOR FLOOR-WALL BASE TO BE RATED CLASS I OR CLASS C	• N/A - NO COMBUSTIBLE DECORATIVE MATERIALS PROVIDED • N/A - FOAM PLASTIC NOT PROVIDED • N/A - INTERIOR TRIM NOT PROVIDED INTERIOR FLOOR-WALL BASE: •• EPOXY BASE = SELF EXTINGUISHING > .45 WATTS/ cm² •• CERAMIC TILE BASE = CLASS I •• RESILIENT RUBBER BASE = CLASS I
703	FIRE PROTECTION	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED	EXISTING FIRE ALARM DEVICES TO REMAIN. EXITING FIRE ALARM PANEL TO BE REPLACED WITH NEW AND MAINTAIN LEVEL OF PROTECTION
704	MEANS OF EGRESS	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THEM MEANS OF ERESS	EGRESS COMPONENTS TO BE MAINTAINED OR REPLACED TO MAINTAIN LEVEL OF EGRESS PROTECTION. REPLACEMENT EXTERIOR DOORS ARE OF EQUAL SIZE TO EXISTING & >32" CLEAR OPENING.
705.1.1	ENTRANCES	ALTERATIONS TO AN ENTRANCE WHEN THE FACILITY HAS AN ACCESSIBLE ENTRANCE ON AN ACCESSIBLE ROUTE, THE ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE.	NA- EXISTING ENTRANCES ARE ON ACCESSIBLE ROUTES. ALTERATIONS MAINTAIN ACCESSIBILITY
705.1.9	TOILET ROOMS	N/A- NO EXISTING ACCESSIBLE TOILET ROOMS	EXISTING TOILET ROOMS TO RECEIVE NEW FINISHES AND FIXTURES ONLY.
705.1.12	THRESHOLDS	MAX HEIGHT OF THRESHOLDS SHALL BE¾" WITH BEVELED EDGES ON EACH SIDE	THRESHOLDS COMPLY
708	ENERGY CONSERVATION	ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC AS THEY RELATE TO NEW CONSTRUCTION ONLY. • 2016 ENERGY CODE SUPPLEMENT C101.6 STATUTORY LIMITATIONS & EXEMPTIONS	SEE 2015 IECC ENERGY CODE ANALYSIS BELOW

BUILDING CODE OF NEW YORK STATE (IBC 2015)

CHAPTER		REQUIRED	PROVIDED
3	USE AND OCCUPANCY CLASSIFICATION		
304.1	I-3 INSTITUTIONAL	EXISTING	EXISTING
5	GENERAL BUILDING HEIGHTS AND AREAS		
503	OCCUPANCY	I-3 INSTITUTIONAL	I-3 INSTITUTIONAL
	CONSTRUCTION TYPE	IIB NON-SPRINKLERED	N/A- NOT ALTERED BY SCOPE
504	BUILDING HEIGHT BASIC	NA - ALTERATION LEVEL 1	EXISTING BUILDING 25'+/- H.
504.2	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	TOTAL HEIGHT:	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
506	BUILDING AREA BASIC	NA - ALTERATION LEVEL 1	EXISTING 4,670 SF
506.2	FRONTAGE INCREASE	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
506.3	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	TOTAL AREA:	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
6	CONSTRUCTION TYPE		
T. 601	TYPE	IIB / EXISTING	IIB / EXISTING TO REMAIN
	PRIMARY FRAME	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	NON BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	NON BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	FLOOR CONSTRUCTION	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
	ROOF CONSTRUCTION	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
T. 602	FIRE SEPARATION DISTANCE > 30 FEET	NA - ALTERATION LEVEL 1	N/A- NOT ALTERED BY SCOPE
602.2	TYPE IIB	ALL MATERIALS MADE FROM NONCOMBUSTABLE MATERIALS UNLESS ALLOWED BY 603	N/A- NOT ALTERED BY SCOPE
8	INTERIOR FINISHES		
T. 803.1.1	FINISH REQUIREMENTS BY OCCUPANCY	GROUP I-3 (NON-SPRINKLERED)	
	EXIT STAIRWAYS, RAMPS & PASSAGEWAYS	A	N/A
	CORRIDORS	A	N/A
	ROOMS/ ENCLOSED SPACE	B	CLASS B FINISHES PROVIDED
804.4.2	MINIMUM CRITICAL RADIANT FLUX	FLOOR FINISHES: CLASS 1 NON- SPRINKLERED	CLASS 1 FLOOR FINISHES PROVIDED
9	FIRE PROTECTION SYSTEM		
906	PORTABLE FIRE EXTINGUISHER SYSTEMS	PROVIDE IN GROUP 1-3 PER NFPA 10 TABLE 6.2.1.1 CLASS A, LIGHT HAZARD OCCUPANCY = 2-A EXTINGUISHER MAX 75' TRAVEL DISTANCE, MOUNT 5' MAX AFF IF < 40LBS. 906.8 CABINETS- 1-3 PERMITTED TO BE LOCKED OR LOCATED IN STAFF LOCATIONS PROVIDED STAFF HAS KEYS	(1) 2-A ABC EXTINGUISHERS IN MAIN AREA- REFER TO FLOOR PLAN (1) 2-A TYPE ABC EXTINGUISHER IN EACH MECHANICAL SPACE- REFER TO FLOOR PLAN. (1) 2-A ABC EXTINGUISHERS IN COMPUTER ROOM - REFER TO PLAN (1) 2-A TYPE K EXTINGUISHER IN KITCHEN- REFER TO PLAN
10	MEANS OF EGRESS- REFER TO NYS EBC FOR REVIEW		
11	ACCESSIBILITY		
1104	ROUTE	EXISTING ACCESSIBLE ROUTE TO BE MAINTAINED	WILL BE MAINTAINED
1105	ENTRANCES	EXISTING ACCESSIBLE ENTRANCES SHALL BE MAINTAINED	DOOR & THRESHOLD REPLACEMENT MAINTAINS ACCESSIBILITY
1109.2	TOILET FACILITIES	NA- NO ACCESSIBLE TOILET ROOM EXISTS	NA
1109.5	DRINKING FOUNTAINS	NEW WORK SHALL BE ACCESSIBLE	NA - NO FOUNTAIN EXISTING OR NEW
13	ENERGY EFFICIENCY		
	REQUIRES DESIGN AND COMPLIANCE WITH INTERNATIONAL ENERGY CODE		NOT ALTERED BY SCOPE

ENERGY CODE OF NEW YORK STATE (IECC 2015)

CHAPTER		REQUIRED	PROVIDED
C101.6	STATUATORY LIMITATIONS AND EXEMPTIONS		
C101.6.1		THE ENERGY CODE SHALL NOT BE INTERPRETED TO REQUIRE ANY UNALTERED PORTION OF SUCH EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THE ENERGY CODE.	
C101.6.2		THE ENERGY CODE SHALL NOT APPLY TO ANY OF THE FOLLOWING, PROVIDED THAT THE ENERGY USE OF THE BUILDING IS NOT INCREASED: (2) GLASS ONLY REPLACEMENTS IN AN EXISTING SASH AND FRAME (3) EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION. (6) REPLACEMENT OF EXISTING DOORS THAT SEPARATE CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT REQUIRE THE INSTALLATION OF A VESTIBULE OR REVOLVING DOOR, PROVIDED HOWEVER, THAT AN EXISTING VESTIBULE SEPARATES SUCH CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT BE REMOVED; (8) ALTERATIONS THAT REPLACE ONLY THE BULB AND THE BALLAST WITHIN THE EXISTING LUMINAIRES IN A SPACE PROVIDED THAT THE ALTERATION DOES NOT INCREASE THE INSTALLED INTERIOR LIGHTING POWER.	LIGHTING RETROFIT, BOILER REPLACEMENT, AIR HANDLER REPLACEMENT, WATER HEATER REPLACEMENT ALL REDUCE THE ENERGY USE OF THE BUILDING
C403	BUILDING MECHANICAL SYSTEMS	• C403.2.3(5): BOILERS, HOT WATER: 80% EFFICIENCY • C403.2.3(6): CONDENSING UNITS, AIR COOLED: 10.1 EER	• BOILERS, HOT WATER •• B-3-1: 97.7% EFFICIENCY •• B-3-2: 97.7% EFFICIENCY • CONDENSING UNITS, AIR COOLED: •• ACCU-3-1: 11.0 EER •• ACCU-3-2: 11.2 EER
C405	ELECTRICAL POWER AND LIGHTING SYSTEMS	• LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS. EXCEPTION - LIGHTING CONTROLS ARE NOT REQUIRED FOR AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT REQUIRED TO BE CONTINUOUSLY LIGHTED. • EXTERIOR LIGHTING CONTROLS: LIGHTING FOE EXTERIOR APPLICATIONS SHALL BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT. • EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE. • LIGHTING POWER DENSITIES: •• C405.4.2- INTERIOR LIGHTING SHALL MEET = 0.87 w/sf •• C405.5.1-EXTERIOR LIGHTING SHALL MEET = 20w/ LINEAR FOOT OF DOOR WIDTH FOR BUILDING ENTRANCES	• SECURITY LIGHTS ALONG THE SECURITY FENCE ARE NOT PROVIDED WITH LIGHTING CONTROLS PER THE EXCEPTION LISTED IN C405.2. • EXTERIOR BUILDING ENTRY LIGHTS AND PATHWAY LIGHTS ARE PROVIDED WITH TIME CLOCK AND/ OR PHOTOCELL CONTROL. • EXIT SIGNS SPECIFIED CONSUME 0.71 WATTS. • INTERIOR LIGHTING: PROVIDED DENSITY = • EXTERIOR LIGHTING: PROVIDED DENSITY = 10W/ LINEAR FOOT OF DOOR WIDTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

NKB
N.K. BHANDARI
ARCHITECTURE & ENGINEERING, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/17	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

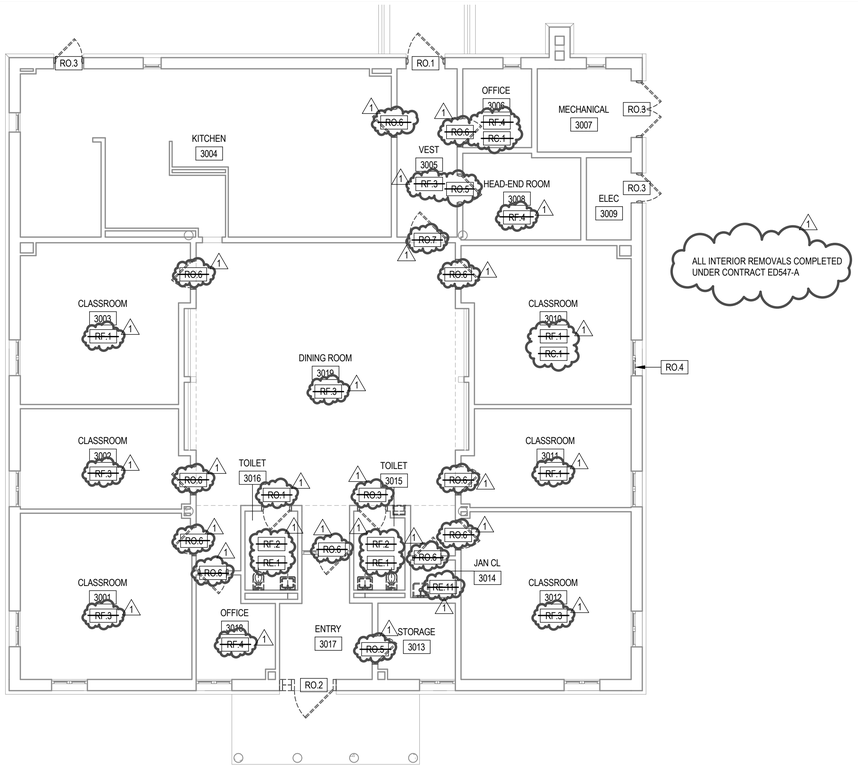
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DESIGNED BY:	KRS
DRAWN BY:	KRS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
CODE COMPLIANCE PLAN
INDUSTRY BUILDING 80

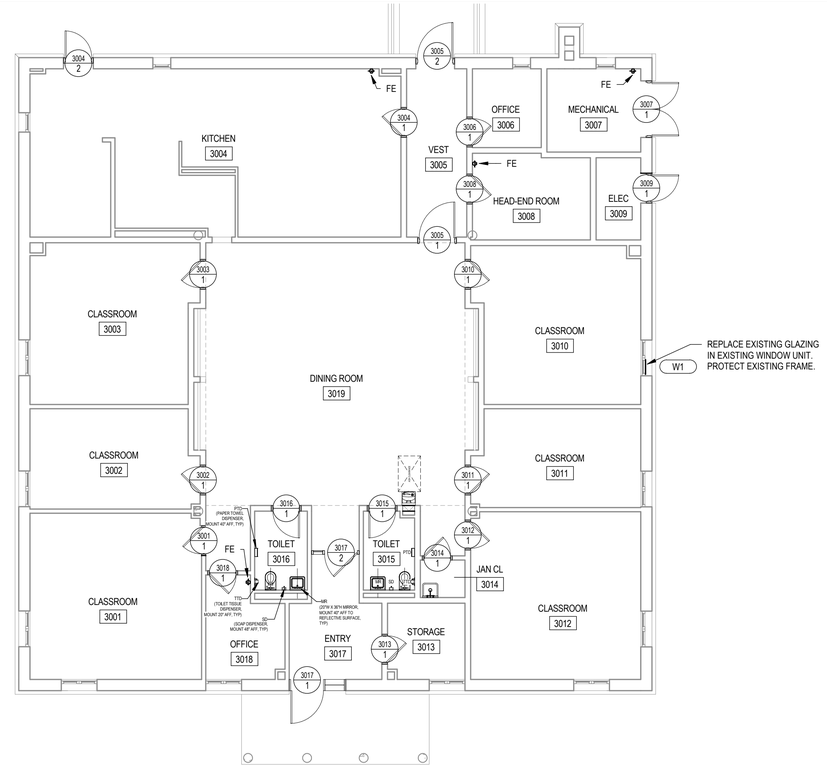
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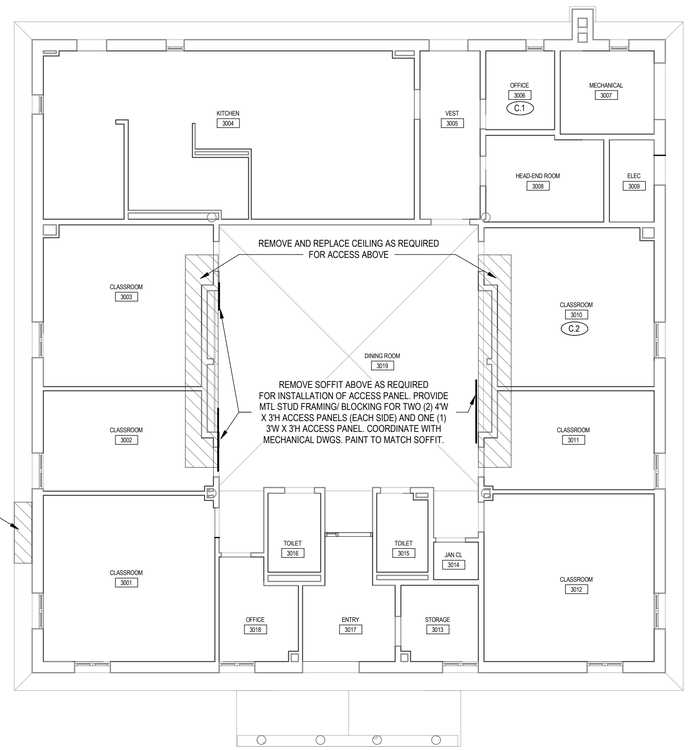
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36x24 PLOT SHEET



1 FLOOR PLAN - REMOVALS - BLDG 80
1/8" = 1'-0"



2 FLOOR PLAN - BLDG 80
1/8" = 1'-0"



3 REFLECTIVE CEILING PLAN - BLDG 80
1/8" = 1'-0"

KEYED NOTES

KEYED NOTES LOCATED WITHIN A SPACE SHALL APPLY THROUGHOUT THE SPACE UNLESS OTHERWISE INDICATED.

Rx = REMOVAL KEYNOTE	F = FLOORING	R = ROOFING
C = CEILING	M = MILLWORK	S = STAIRS / RAMPS
E = EQUIPMENT / FIXTURES	O = OPENING	W = WALL / STRUCTURE

NO.	DESCRIPTION
C.1	MOLD IDENTIFIED ON SMALL PORTION OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTION OF CEILING; GC TO VERIFY LOCATION IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
C.2	MOLD IDENTIFIED ON MULTIPLE AREAS OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTIONS OF CEILING; GC TO VERIFY LOCATIONS IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
RC.1	REMOVE PORTION OF CEILING. COORDINATE WITH RCP.
RE.1	W/C & LAV FIXTURES REMOVED BY PLUMBING CONTRACTOR. COORDINATE W/ PLUMBING DWGS.
RE.11	UTILITY SINK REMOVED BY PLUMBING CONTRACTOR
RF.1	REMOVE CARPET SYSTEM. INCLUDING BUT NOT LIMITED TO CARPET, PADDING, TACK STRIP, ADHESIVE, AND ALL HARDWARE AND ACCESSORIES.
RF.2	REMOVE AND SALVAGE CARPET. TURN SALVAGED CARPET OVER TO DIRECTOR'S REPRESENTATIVE.
RF.3	REMOVE VINYL TILE INCLUDING BUT NOT LIMITED TO MASTIC/ADHESIVE, AND ALL HARDWARE AND ACCESSORIES.
RF.4	REMOVE LINOLEUM FLOORING INCLUDING BUT NOT LIMITED TO MASTIC/ADHESIVE, AND ALL HARDWARE AND ACCESSORIES.
RO.1	DOOR, STL FRAME AND ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.2	DOOR, STL FRAME, ALL HARDWARE AND ACCESSORIES, SIDELIGHT AND TRANSOM TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.3	REMOVE DOOR, STL FRAME AND HARDWARE.
RO.4	WINDOW GLAZING TO BE REMOVED BY ABATEMENT CONTRACTOR, FRAME TO REMAIN.
RO.5	REMOVE DOOR, ALL HARDWARE AND ALL ACCESSORIES, REFINISH EXISTING DOOR; FRAME TO REMAIN. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.6	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED BY ABATEMENT CONTRACTOR AND CLEARED OF HAZARDOUS MATERIALS PRIOR TO TURNING OVER DOOR TO GC. EXISTING FRAME TO REMAIN. COORDINATE EXTENT OF ABATEMENT WITH HAZARDOUS MATERIAL SURVEY REPORT. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.7	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR; FRAME TO REMAIN.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

ASHLEY MCGRAW

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REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	RB
DRAWN BY:	BD
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 80 REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN

DRAWING NUMBER: A-3101

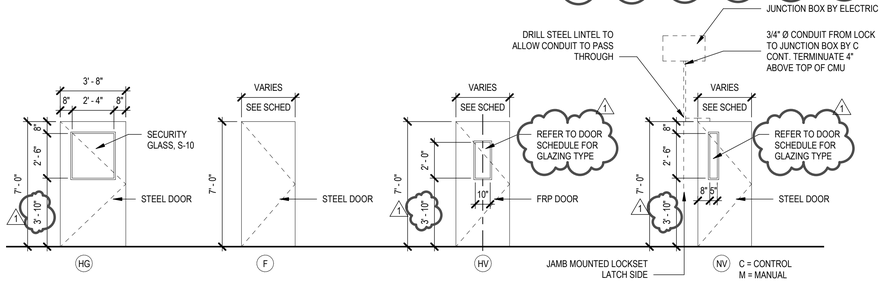
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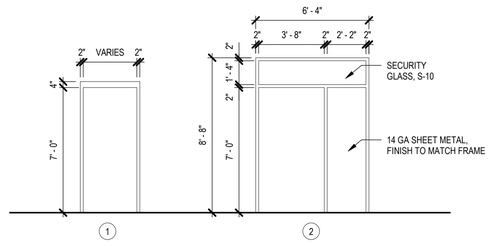
80 - DOOR SCHEDULE

MARK	DOOR NO	ROOM NAME	LEAF	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR METERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME ANCHORS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	DOOR GLAZING	FRAME GLAZING	FIRE RATING	HARDWARE SET NO	HARDWARE HAND	REMARKS	DOOR NO	MARK
1	3001	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	RH	NOTE 1 & 3	3001	1
1	3002	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	LH	NOTE 1 & 3	3002	1
1	3003	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	3	RH	NOTE 1 & 3	3003	1
1	3004	KITCHEN	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	22	LH	NOTE 1 & 3	3004	1
2	3004	KITCHEN	1	3' - 0"	7' - 0"	1 3/4"	NV-C	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	S-4	-	-	1	RHR	EXTERIOR, NOTE 3	3004	2
1	3005	DINING ROOM	1	4' - 0"	7' - 0"	1 3/4"	NV-M	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	3	LHR	NOTE 2 & 3	3005	1
2	3005	VEST	1	4' - 0"	7' - 0"	1 3/4"	NV-C	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	S-4	-	-	1	LHR	EXTERIOR, NOTE 3	3005	2
1	3006	OFFICE	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	RH	NOTE 1 & 3	3006	1
1	3007	MECHANICAL	2	6' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	17	RHRA	EXTERIOR, NOTE 3	3007	1
1	3008	HEAD-END ROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	21	LH	NOTE 1 & 3	3008	1
1	3009	ELEC	1	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	19	RHR	EXTERIOR, NOTE 3	3009	1
1	3010	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	LH	NOTE 1 & 3	3010	1
1	3011	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	RH	NOTE 1 & 3	3011	1
1	3012	CLASSROOM	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	21	LH	NOTE 1 & 3	3012	1
1	3013	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	21	RH	NOTE 1 & 3	3013	1
1	3014	JAN CL	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	21	RHR	NOTE 1 & 3	3014	1
1	3015	TOILET	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-3	1	STL	IAL-3	-	H1	J1	6" ALUM	G	-	45 MIN	7B	RH	NOTE 3	3015	1
1	3016	TOILET	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-3	1	STL	IAL-3	-	H1	J1	6" ALUM	G	-	45 MIN	7B	LH	NOTE 3	3016	1
1	3017	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	HG	STL	EAL-2	2	STL	EAL-2	-	H2	J1	6" ALUM	S-10	S-10	-	1	LHR	EXTERIOR, NOTE 3	3017	1
2	3017	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	S-10	S-10	-	3	RHR	NOTE 1 & 3	3017	2
1	3018	OFFICE	1	3' - 0"	7' - 0"	1 3/4"	EXIST	STL	IAL-3	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	3	RH	NOTE 1 & 3	3018	1

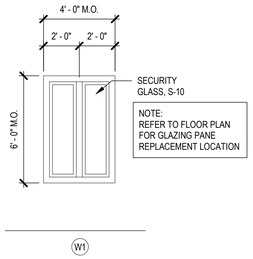
NOTES:
1. CLEAN, PREP, PRIME & PAINT EXISTING DOOR AND EXISTING DOOR FRAME. IF DOOR VISION PANEL BUYTL / SEALANT IS INDICATED TO BE REMOVED IN THE HAZARDOUS MATERIAL SURVEY REPORT, SEALANT REPLACEMENT IS THE RESPONSIBILITY OF THE GENERAL [SUB]CONTRACTOR.
2. CLEAN, PREP, PRIME & PAINT EXISTING DOOR FRAME.
3. FIELD VERIFY EXISTING FRAME OPENING.



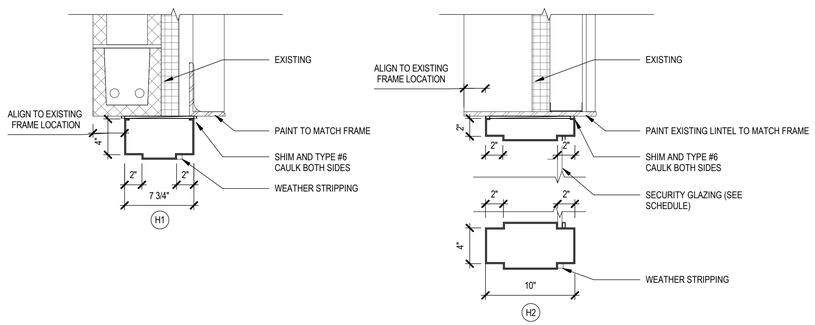
1 DOOR TYPES
1/4" = 1'-0"



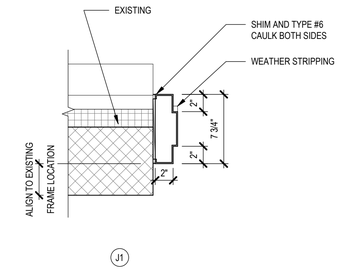
2 FRAME TYPES
1/4" = 1'-0"



3 WINDOW TYPES
1/4" = 1'-0"



4 DOOR HEAD DETAILS
1 1/2" = 1'-0"



5 DOOR JAMB DETAILS
1 1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

ASHLEY MCGRAW

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	RB	
DRAWN BY:	BD	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 80
DOOR SCHEDULE AND TYPES, WINDOW TYPE

DRAWING NUMBER:
A-3601

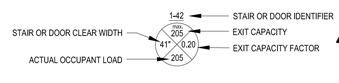
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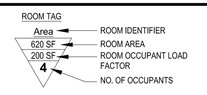
CODE LEGEND

SYMBOL	FIRE RESISTIVE CONSTRUCTION	HOUR RATING DOOR	HOUR RATING WINDOW	HOUR RATING DAMPERS
	1 HR - FIRE BARIER-EXISTING TO REMAIN	3/4 HR	W-60	1-1/2 HR
	2 HR - FIRE BARRIER-EXISTING TO REMAIN	1-1/2 HR	W-120	1-1/2 HR
	EGRESS PATH/ COMMON PATH OF TRAVEL			
	EXIT LIGHTING			
F.E.	PORTABLE FIRE EXTINGUISHER			

STAIR, OR DOOR EGRESS TAG



ROOM TAG

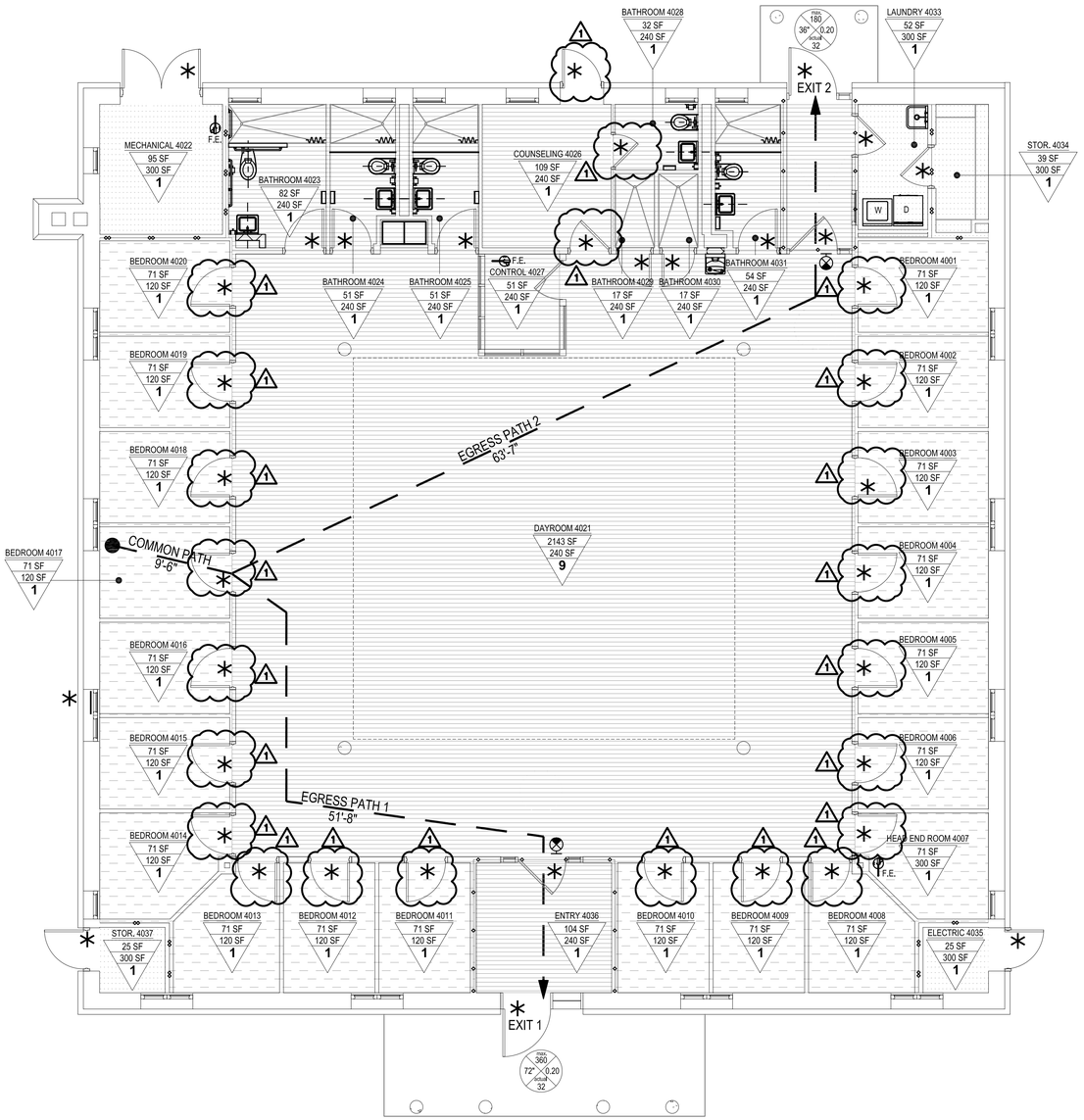


SUMMARY OF WORK NOTES

AREA OF WORK NOTES:

1. THE ENTIRE BUILDING IS CLASSIFIED AS A LEVEL 1 ALTERATION. THERE WILL BE NO WINDOWS OR DOORS ADDED OR ELIMINATED.
2. INTERIOR DOORS AND HARDWARE TO BE REPLACED OR CLEARED OF HAZARDOUS MATERIALS AND REINSTALLED. SEE ASTERISK FOR LOCATIONS. SOME INTERIOR DOOR FRAMES TO REMAIN. SEE THE ARCHITECTURAL DRAWINGS FOR SPECIFIC SCHEDULED WORK FOR EACH DOOR.
3. ALL EXTERIOR DOORS, FRAMES AND HARDWARE TO BE REPLACED. SEE ASTERISK FOR LOCATIONS.
4. ALL WINDOWS TO REMAIN. SEE ASTERISK FOR WINDOWS TO RECEIVE NEW GLAZING.
5. WATER CLOSETS AND LAVATORIES TO BE REPLACED WITH NEW.
6. NEW FLOORING AND PAINT THROUGHOUT.
7. INSTALL NEW HEAD END (T) EQUIPMENT IN STORAGE ROOM 3009.
8. REPLACE EXISTING AIR HANDLERS, CONDENSING UNITS AND BOILERS WITH NEW. CONNECT TO EXISTING PIPING/ WIRING.
9. REPLACE EXISTING ELECTRICAL PANELS, CONNECT TO EXISTING WIRING.
10. RE-LAMP AND RE-BALLAST EXISTING LIGHT FIXTURES.
11. REPLACE EXISTING FIRE ALARM PANEL WITH NEW. CONNECT TO EXISTING WIRING. EXISTING DEVICES TO REMAIN.
12. O.C.F.S. HAS A WAIVER BASED ON ABLE-BODY STAFF. THEREFORE, DOORS WITH VISION PANELS SHALL NOT BE REQUIRED TO MEET THE 2009 ANSI A117.1, 404.2.10 REQUIREMENT OF 43" MAX. HEIGHT A.F.F. SEE DOOR SCHEDULE ON ARCHITECTURAL DRAWINGS FOR DOOR LOCATIONS.

GRAPHICALLY DENOTES SPECIFIC AREAS OF WORK.



1 FLOOR PLAN BUILDING 81
3/16" = 1'-0"

APPLICABLE CODES

UNDER THE NYSUFP&BC, ALL BUILDING PROJECTS MUST MEET OR EXCEED THE FOLLOWING CODES AND APPLICABLE REFERENCE STANDARDS IDENTIFIED:

- 2016 EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)
- 2016 BUILDING CODE OF NEW YORK STATE (IBC 2015)
- 2016 FIRE CODE OF NEW YORK STATE (IFC 2015)
- 2016 MECHANICAL CODE OF NEW YORK STATE (IMC 2015)
- 2016 PLUMBING CODE OF NEW YORK STATE (IPC 2015)
- 2016 FUEL AND GAS CODE OF NEW YORK STATE (IFGC 2015)
- 2016 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (IECC 2015)
- 2016 UNIFORM CODE SUPPLEMENT - NEW YORK STATE
- 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE
- NEW YORK STATE LABOR DEPARTMENT INDUSTRIAL CODE FOR ITEMS RELATING TO PEOPLE WHO WORK IN THE BUILDING SUCH AS SAFETY GLASS, PROVISIONS FOR WINDOW WASHING, COT SPACE FOR FEMALE EMPLOYEES, ASBESTOS ABATEMENT, BOILER DESIGN, ETC.
- 2009 ICC ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES /ANSI A117.1, AS REFERENCED IN THE CODES ABOVE.
- 2015 NATIONAL ELECTRIC CODE NFPA 70, AS REFERENCED IN THE CODES ABOVE.
- 2016 EXISTING BUILDING CODE OF NEW YORK STATE CHAPTER 15 : CONSTRUCTION SAFEGUARDS, AS REFERENCED IN THE CODES ABOVE.
- 2016 BUILDING CODE OF NEW YORK STATE CHAPTER 33: SAFEGUARDS DURING CONSTRUCTION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 33: FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 35: WELDING AND OTHER HOT WORKS, AS REFERENCED IN THE CODES ABOVE.

MEANS OF EGRESS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE EGRESS ANALYSIS. ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. (EBCNYS 704.1)

OCCUPANCY SEPARATIONS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE OCCUPANCY SEPARATION ANALYSIS.
2. 1-3 OCCUPANCY THROUGHOUT EXISTING BUILDING.

AREA CALCULATIONS

LEVEL	OCCUPANCY	ALLOWABLE SF	ACTUAL SF	RATIO	SUBTOTAL	TOTAL
1	EXISTING: I-3	10,000	4,670	NA	NA	NA

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE AREA CALCULATIONS PER EBCNYS CHAPTER 7.

BUILDING DATA

1. (ECNYS C301.1) RUSH, NEW YORK, MONROE COUNTY - CLIMATE ZONE 5
2. (BCNYS 1006.2.1) AREAS AND ROOMS REQUIRED TO HAVE TWO (2) EXITS
   NA- A LEVEL 1 ALTERATION (EBCNYS SECTION 704.1)
3. (BCNYS 601) TYPE OF CONSTRUCTION:
   EXISTING: IIB NON COMBUSTIBLE, NON SPRINKLERED.
4. AREA MODIFICATIONS:
   NR- A LEVEL 1 ALTERATION (EBCNYS CHAPTER 7)
5. (BCNYS 504.4) STORIES: EXISTING 1 STORY / ALLOWABLE: NR: EXISTING - LEVEL 1 ALTERATION
6. (BCNYS 1010.1.10) ELECTRICAL ROOMS: NR -(EBCNYS 704 MEANS OF EGRESS)
7. (BCNYS 903.3.1.1.1) SPACES WITHOUT SPRINKLERS: NR- A LEVEL 1 ALTERATION (EBCNYS 703 FIRE PROTECTION)
8. 7. (BCNYS 1011) STAIRWAYS: NA- NO STAIRS & (EBCNYS 704 MEANS OF EGRESS)
9. (BCNYS 1012) RAMPS: (EBCNYS 704 MEANS OF EGRESS) - ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

REQUIRED DRAWINGS

BUILDING CODE OF NEW YORK STATE:
BC907.1,2 FIRE ALARM SHOP DRAWINGS
BC909,18,9 SMOKE CONTROL SYSTEMS

FIRE CODE OF NEW YORK STATE:
FC501.3 FIRE SERVICE FEATURES
FC901.2 FIRE PROTECTION SYSTEMS
FC907.1.1 FIRE ALARM AND DETECTION SYSTEMS
FC909.2, 909.3, AND 909.4 SMOKE CONTROL SYSTEMS

ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE:
ECC103 INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS

EXISTING BUILDING CODE OF NEW YORK STATE:
EBC501.2 WORK AREA

PROJECT MUST COMPLY WITH THE FOLLOWING:
EXISTING BUILDING CODE 15 CONSTRUCTION SAFEGUARDS
BUILDING CODE 33 SAFEGUARDS DURING CONSTRUCTION
FIRE CODE 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION
FIRE CODE 35 WELDING AND OTHER HOT WORKS

FUNCTION OF SPACE LEGEND

INSTITUTIONAL AREAS: SLEEPING AREAS: 1,496 SF / 120 GROSS OLF = 13 - ACTUAL 19

INSTITUTIONAL AREAS: INPATIENT TREATMENT AREAS: 2,324 SF / 240 GROSS OLF = 10

ACCESSORY SPACE (CONTROL, STORAGE, TOILET, CIRCULATION) 838 SF / 300 GROSS OLF = 3

EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)			
CHAPTER		REQUIRED	PROVIDED
3	PROVISIONS FOR ALL COMPLIOANCE		
301.1,2	WORK AREA COMPLIANCE METHOD	WILL COMPLY WITH CHAPTERS 5-13	
5	CLASSIFICATION OF WORK		
503.1	SCOPE: LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACE MENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.		EXISTING & PROPOSED I-3 OCCUPANCY
7	ALTERATIONS LEVEL 1		
7021.1	INTERIOR FINISHES	COMPLY WITH IBC CHAPTER 8 TB03.11 • ENCLOSED ROOMS & SPACES: CLASS B • CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS: CLASS A • INTERIOR EXIT STAIRWAY AND RAMPS AND EXIT PASSAGEWAYS: CLASS A OR FOOTNOTE a.	• FINISHES IN ENCLOSED ROOMS & SPACES ARE: CLASS B OR GREATER • N/A - NO CORRIDORS OR RATED STAIRS EXIST. • N/A - NO INTERIOR EXIT STAIR, RAMPS, OR PASSAGEWAY EXIST.
702.2	INTERIOR FLOOR FINISH	COMPLY WITH IBC SECTION 804 804.2 CLASSIFICATION & NFPA 253 MATERIAL CLASS I: ~ 0.45 WATTS/cm² OR GREATER 804.4.2 MINIMUM CRITICAL RADIAN FLUX: I-3 OCCUPANCY SHALL NOT BE LESS THAN CLASS I	FLOOR MATERIALS MEET CRITERIA: • EPOXY RESIN FLOORING = SELF EXTINGUISHING > .45 WATTS/ cm² • SOLID VINYL FLOOR TILE = CLASS I • CERAMIC FLOOR TILE = CLASS I
702.3	INTERIOR TRIM	COMPLY WITH IBC SECTION 806 DECORATIVE MATERIALS AND TRIM. • NON-COMBUSTILE MATERIALS SHALL NOT BE LIMITED. • COMBUSTILE DECORATIVE MATERIALS NOT PERMITTED IN I-3 OCCUPANCY: • FOAM PLASTIC TRIM PER SECTION 2604.2 • INTERIOR TRIM TO HAVE MIN. CLASS C FLAME SPREAD AND SMOKE INDEX PER ASTM E84 OR UL723 • INTERIOR FLOOR-WALL BASE TO BE RATED CLASS I OR CLASS C	• N/A - NO COMBUSTIBLE DECORATIVE MATERIALS PROVIDED • N/A - FOAM PLASTIC NOT PROVIDED • N/A - INTERIOR TRIM NOT PROVIDED • INTERIOR FLOOR-WALL BASE: •• EPOXY BASE = SELF EXTINGUISHING > .45 WATTS/ cm² •• CERAMIC TILE BASE = CLASS I •• RESILIENT RUBBER BASE = CLASS I
703	FIRE PROTECTION	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED	EXISTING FIRE ALARM DEVICES TO REMAIN. EXITING FIRE ALARM PANEL TO BE REPLACED WITH NEW AND MAINTAIN LEVEL OF PROTECTION
704	MEANS OF EGRESS	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THEM MEANS OF ERESS	EGRESS COMPONENTS TO BE MAINTAINED OR REPLACED TO MAINTAIN LEVEL OF EGRESS PROTECTION. REPLACEMENT EXTERIOR DOORS ARE OF EQUAL SIZE TO EXISTING & >32" CLEAR OPENING.
705.1.1	ENTRANCES	ALTERATIONS TO AN ENTRANCE WHEN THE FACILITY HAS AN ACCESSIBLE ENTRANCE ON AN ACCESSIBLE ROUTE, THE ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE.	NA- EXISTING ENTRANCES ARE ON ACCESSIBLE ROUTES. ALTERATIONS MAINTAIN ACCESSIBILITY
705.1.9	TOILET ROOMS	N/A- (1) ACCESSIBLE TOILET ROOM EXISTS	EXISTING ACCESSIBLE TOILET ROOM TO RECEIVE NEW LAYOUT, FINISHES AND FIXTURES AND MAINTAIN ACCESSIBILITY
705.1.12	THRESHOLDS	MAX HEIGHT OF THRESHOLDS SHALL BE ½" WITH BEVELED EDGES ON EACH SIDE	THRESHOLDS COMPLY
708	ENERGY CONSERVATION	ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC AS THEY RELATE TO NEW CONSTRUCTION ONLY. • 2016 ENERGY CODE SUPPLEMENT C101.6 STATUTORY LIMITATIONS & EXEMPTIONS	SEE 2015 IECC ENERGY CODE ANALYSIS BELOW

BUILDING CODE OF NEW YORK STATE (IBC 2015)			
CHAPTER		REQUIRED	PROVIDED
3	USE AND OCCUPANCY CLASSIFICATION		
304.1	I-3 INSTITUTIONAL	EXISTING	EXISTING
5	GENERAL BUILDING HEIGHTS AND AREAS		
503	OCCUPANCY	I-3 INSTITUTIONAL	I-3 INSTITUTIONAL
	CONSTRUCTION TYPE	IIB NON-SPRINKLERED	NA- NOT ALTERED BY SCOPE
504	BUILDING HEIGHT BASIC	NA - ALTERATION LEVEL 1	EXISTING BUILDING 25'+/- H.
504.2	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	TOTAL HEIGHT:	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
506	BUILDING AREA BASIC	NA - ALTERATION LEVEL 1	EXISTING 4,670 SF
506.2	FRONTAGE INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
506.3	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	TOTAL AREA:	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
6	CONSTRUCTION TYPE		
T. 601	TYPE	IIB / EXISTING	IIB / EXISTING TO REMAIN
	PRIMARY FRAME	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	NON BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	NON BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	FLOOR CONSTRUCTION	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	ROOF CONSTRUCTION	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
T. 602	FIRE SEPARATION DISTANCE > 30 FEET	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
602.2	TYPE IIB	ALL MATERIALS MADE FROM NONCOMBUSTABLE MATERIALS UNLESS ALLOWED BY 603	NA- NOT ALTERED BY SCOPE
8	INTERIOR FINISHES		
T. 803.1.1	FINISH REQUIREMENTS BY OCCUPANCY	GROUP I-3 (NON-SPRINKLERED)	
	EXIT STAIRWAYS, RAMPS & PASSAGEWAYS	A	NA
	CORRIDORS	A	NA
	ROOMS/ ENCLOSED SPACE	B	CLASS B FINISHES PROVIDED
804.4.2	MINIMUM CRITICAL RADIANT FLUX	FLOOR FINISHES: CLASS 1 NON- SPRINKLERED	CLASS 1 FLOOR FINISHES PROVIDED
9	FIRE PROTECTION SYSTEM		
906	PORTABLE FIRE EXTINGUISHER SYSTEMS	PROVIDE IN GROUP 1-3 PER NFPA 10 TABLE 6.2.1.1 CLASS A, LIGHT HAZARD OCCUPANCY = 2-A EXTINGUISHER MAX 75' TRAVEL DISTANCE, MOUNT 5' MAX AFF IF < 40LBS. 906.6 CABINETS- 1-3 PERMITTED TO BE LOCKED OR LOCATED IN STAFF LOCATIONS PROVIDED STAFF HAS KEYS	(1) 2-A ABC EXTINGUISHERS IN MAIN AREA- REFER TO FLOOR PLAN (1) 2-A TYPE ABC EXTINGUISHER IN EACH MECHANICAL SPACE- REFER TO FLOOR PLAN (1) 2-A ABC EXTINGUISHERS IN COMPUTER ROOM - REFER TO PLAN
10	MEANS OF EGRESS- REFER TO NYS EBC FOR REVIEW		
11	ACCESSIBILITY		
1104	ROUTE	EXISTING ACCESSIBLE ROUTE TO BE MAINTAINED	WILL BE MAINTAINED
1105	ENTRANCES	EXISTING ACCESSIBLE ENTRANCES SHALL BE MAINTAINED	DOOR & THRESHOLD REPLACEMENT MAINTAINS ACCESSIBILITY
1109.2	TOILET FACILITIES	N/A- (1) ACCESSIBLE TOILET ROOM EXISTS	REFER TO NYS EBC ABOVE FOR PROVIDED
1109.5	DRINKING FOUNTAINS	NEW WORK SHALL BE ACCESSIBLE	ACCESSIBLE FIXTURE PROVIDED
13	ENERGY EFFICIENCY		
	REQUIRES DESIGN AND COMPLIANCE WITH INTERNATIONAL ENERGY CODE		NOT ALTERED BY SCOPE

ENERGY CODE OF NEW YORK STATE (IECC 2015)			
CHAPTER		REQUIRED	PROVIDED
C101.6	STATUATORY LIMITATIONS AND EXEMPTIONS		
C101.6.1		THE ENERGY CODE SHALL NOT BE INTERPRETED TO REQUIRE ANY UNALTERED PORTION OF SUCH EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THE ENERGY CODE.	
C101.6.2		THE ENERGY CODE SHALL NOT APPLY TO ANY OF THE FOLLOWING, PROVIDED THAT THE ENERGY USE OF THE BUILDING IS NOT INCREASED: (2) GLASS ONLY REPLACEMENTS IN AN EXISTING SASH AND FRAME (3) EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION; (6) REPLACEMENT OF EXISTING DOORS THAT SEPARATE CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT REQUIRE THE INSTALLATION OF A VESTIBULE OR REVOLVING DOOR, PROVIDED HOWEVER, THAT AN EXISTING VESTIBULE SEPARATES SUCH CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT BE REMOVED; (8) ALTERATIONS THAT REPLACE ONLY THE BULB AND THE BALLAST WITHIN THE EXISTING LUMINAIRES IN A SPACE PROVIDED THAT THE ALTERATION DOES NOT INCREASE THE INSTALLED INTERIOR LIGHTING POWER.	LIGHTING RETROFIT, BOILER REPLACEMENT, AIR HANDLER REPLACEMENT, WATER HEATER REPLACEMENT ALL REDUCE THE ENERGY USE OF THE BUILDING
C403	BUILDING MECHANICAL SYSTEMS	• C403.2.3(5): BOILERS, HOT WATER: 80% EFFICIENCY • C403.2.3(6): CONDENSING UNITS, AIR COOLED: 10.1 EER	• BOILERS, HOT WATER •• B-3-1: 97.7% EFFICIENCY •• B-3-2: 97.7% EFFICIENCY • CONDENSING UNITS, AIR COOLED: •• ACCU-3-1: 11.0 EER •• ACCU-3-2: 11.2 EER
C405	ELECTRICAL POWER AND LIGHTING SYSTEMS	• LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS. EXCEPTION - LIGHTING CONTROLS ARE NOT REQUIRED FOR AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT REQUIRED TO BE CONTINUOUSLY LIGHTED. • EXTERIOR LIGHTING CONTROLS: LIGHTING FOE EXTERIOR APPLICATIONS SHALL BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT. • EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE. • LIGHTING POWER DENSITIES: •• C405.4.2- INTERIOR LIGHTING SHALL MEET = 0.57 w/sf •• C405.5.1-EXTERIOR LIGHTING SHALL MEET = 20w/ LINEAR FOOT OF DOOR WIDTH FOR BUILDING ENTRANCES	• SECURITY LIGHTS ALONG THE SECURITY FENCE ARE NOT PROVIDED WITH LIGHTING CONTROLS PER THE EXCEPTION LISTED IN C405.2. • EXTERIOR BUILDING ENTRY LIGHTS AND PATHWAY LIGHTS ARE PROVIDED WITH TIME CLOCK AND/ OR PHOTOCELL CONTROL. • EXIT SIGNS SPECIFIED CONSUME 0.71 WATTS. • INTERIOR LIGHTING: PROVIDED DENSITY = • EXTERIOR LIGHTING: PROVIDED DENSITY = 7.5W/ LINEAR FOOT OF DOOR WIDTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

NKB
N.K. BHANDARI
ARCHITECTURE & ENGINEERING, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/17	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

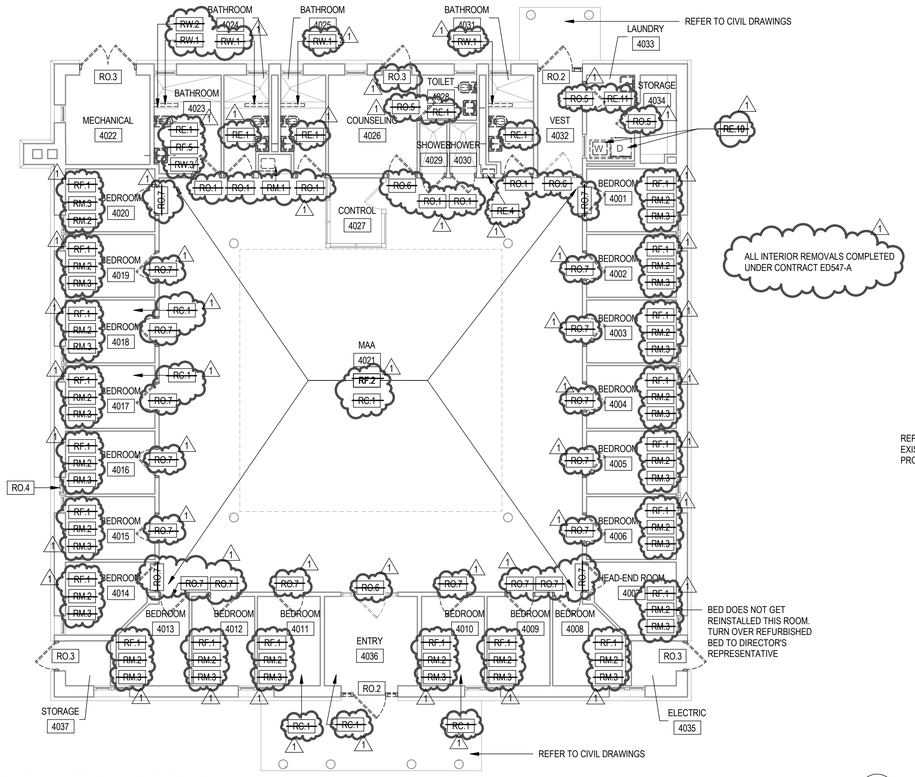
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DESIGNED BY:	KRS
DRAWN BY:	KRS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
CODE COMPLIANCE PLAN
INDUSTRY BUILDING 81

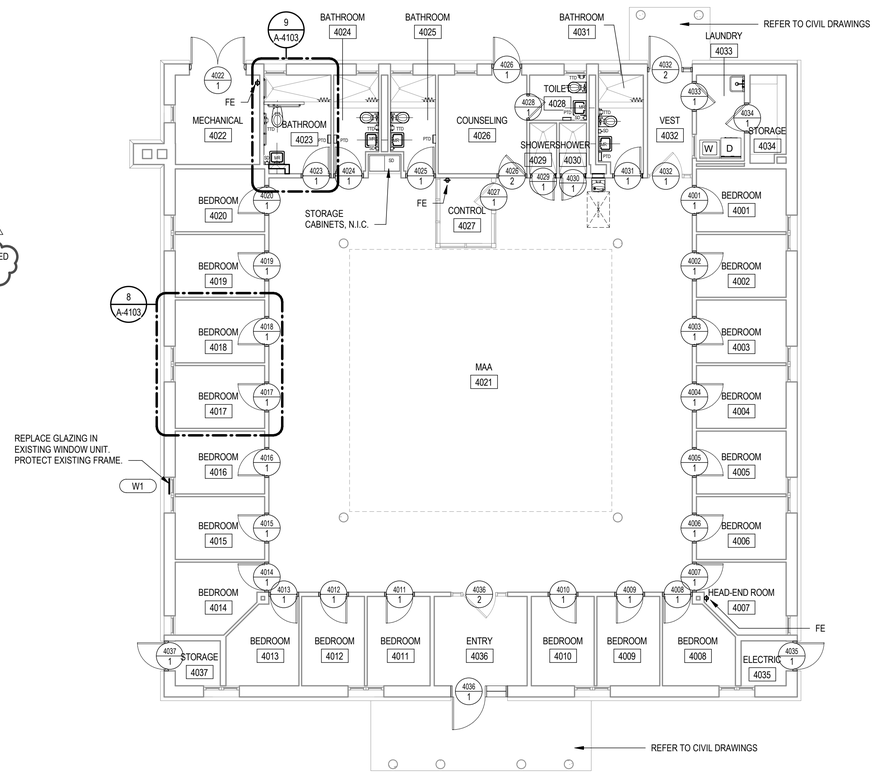
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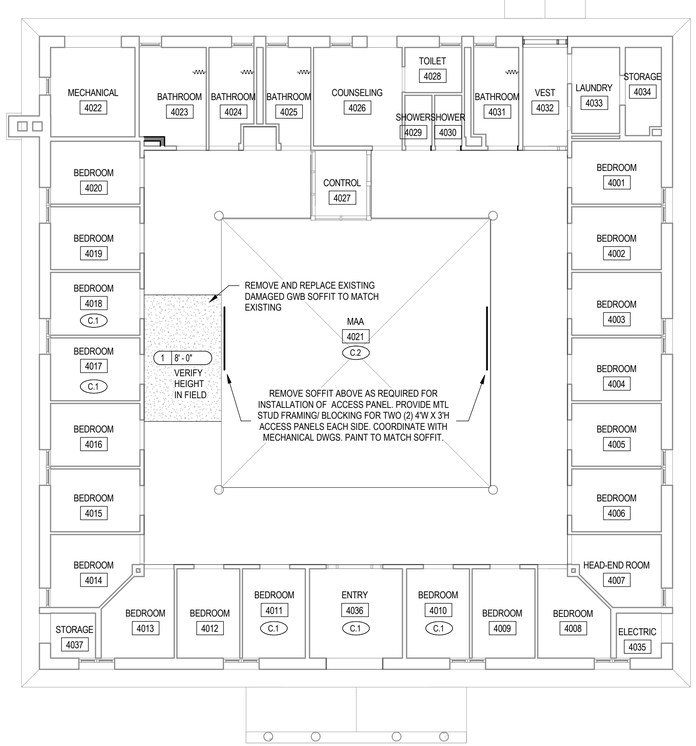
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36x24 PLOT SHEET



1 FLOOR PLAN - REMOVALS - BLDG 81
1/8" = 1'-0"



2 FLOOR PLAN - BLDG 81
1/8" = 1'-0"



3 REFLECTED CEILING PLAN - BLDG 81
1/8" = 1'-0"

CEILING TYPE SCHEDULE

MARK	SUBSTRATE	FINISH	DESCRIPTION
1			5/8" GYPSUM WALL BOARD ON METAL SUSPENSION SYSTEM STANDARDS

KEYED NOTES

KEYED NOTES LOCATED WITHIN A SPACE SHALL APPLY THROUGHOUT THE SPACE UNLESS OTHERWISE INDICATED.

Rx = REMOVAL KEYNOTE; F = FLOORING; R = ROOFING
C = CEILING; M = MILLWORK; S = STAIRS / RAMPS
E = EQUIPMENT / FIXTURES; O = OPENING; W = WALL / STRUCTURE

NO.	DESCRIPTION
C.1	MOLD IDENTIFIED ON SMALL PORTION OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTION OF CEILING; GC TO VERIFY LOCATION IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
C.2	MOLD IDENTIFIED ON MULTIPLE AREAS OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTIONS OF CEILING; GC TO VERIFY LOCATIONS IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
RC.1	REMOVE PORTION OF CEILING. COORDINATE WITH RCP.
RE.1	W/C & LAV FIXTURES REMOVED BY PLUMBING CONTRACTOR. COORDINATE W/ PLUMBING DWGS.
RE.4	DRINKING FOUNTAIN REMOVED BY PLUMBING CONTRACTOR. INFILL WALL TO MATCH EXISTING CONSTRUCTION.
RE.10	REMOVE LAUNDRY EQUIPMENT, WATER LINES, AND ALL HARDWARE AND ACCESSORIES.
RE.11	UTILITY SINK REMOVED BY PLUMBING CONTRACTOR
RF.1	REMOVE CARPET SYSTEM. INCLUDING BUT NOT LIMITED TO CARPET, PADDING, TACK STRIP, ADHESIVE, AND ALL HARDWARE AND ACCESSORIES.
RF.2	REMOVE AND SALVAGE CARPET. TURN SALVAGED CARPET OVER TO DIRECTOR'S REPRESENTATIVE.
RF.5	REMOVE CERAMIC FLOOR TILE AND MUD SET. PREP SLAB.
RM.1	REMOVE BASE CABINET, SINK AND FAUCET, COMPLETE. REPAIR WALLS AND FLOOR AT REMOVALS.
RM.2	EXISTING BED TO BE REMOVED AND REFURBISHED (OR NEWLY CONSTRUCTED). CONTRACTOR TO ASSUME 7 TOTAL NEWLY CONSTRUCTED BEDS AND INCLUDE $30,000 FOR REFURBISHMENT OF THE REMAINING 31 BEDS IN BUILDINGS 81 & 82.

KEYED NOTES

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E = EQUIPMENT / FIXTURES; O = OPENING; W = WALL / STRUCTURE

NO.	DESCRIPTION
RM.3	REMOVE DESK AND ALL SHELVING.
RO.1	DOOR, STL FRAME AND ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.2	DOOR, STL FRAME, ALL HARDWARE AND ACCESSORIES, SIDELIGHT AND TRANSOM TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.3	REMOVE DOOR, STL FRAME AND HARDWARE.
RO.4	WINDOW GLAZING TO BE REMOVED BY ABATEMENT CONTRACTOR, FRAME TO REMAIN.
RO.5	REMOVE DOOR, ALL HARDWARE AND ALL ACCESSORIES, REFINISH EXISTING DOOR; FRAME TO REMAIN. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.6	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED BY ABATEMENT CONTRACTOR AND CLEARED OF HAZARDOUS MATERIALS PRIOR TO TURNING OVER DOOR TO GC. EXISTING FRAME TO REMAIN. COORDINATE EXTENT OF ABATEMENT WITH HAZARDOUS MATERIAL SURVEY REPORT. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.7	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR; FRAME TO REMAIN.
RW.1	REMOVE 4" GLASS BLOCK WALL.
RW.2	REMOVE SHOWER CURB. REPAIR SLAB AT CURB REMOVAL.
RW.3	REMOVE CERAMIC WALL TILE BACK TO EXIST CONCRETE. PREP CONCRETE WALL TO RECEIVE SCHEDULED FINISH.

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CONSULTANT

Engineering and Land Surveying, P.C.

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REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
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	08/07/17	FINAL SUBMISSION

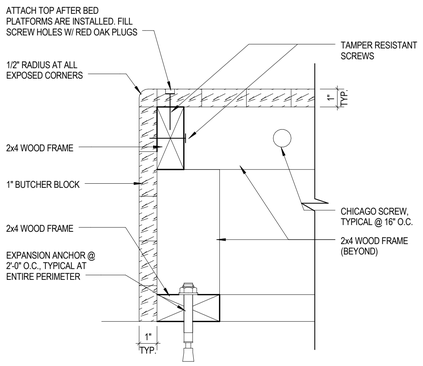
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DESIGNED BY:	RB
DRAWN BY:	BD
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 81
REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN

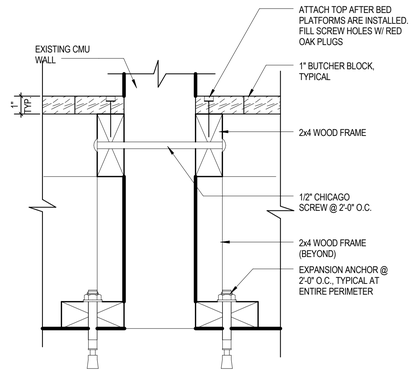
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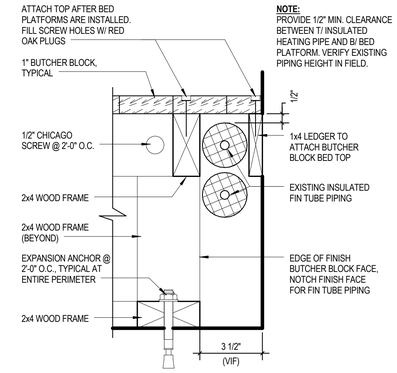
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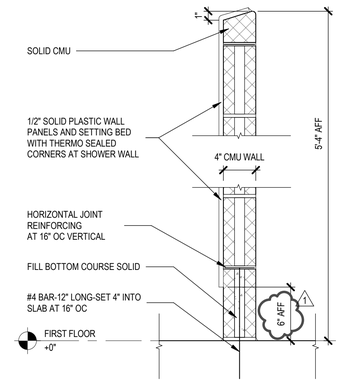
1 81 - TYP BED CORNER DTL
3" = 1'-0"



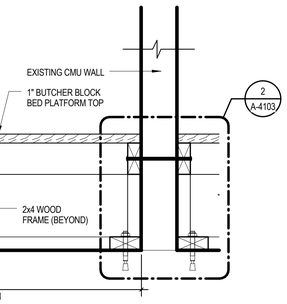
2 81 - TYP BED ATTACHMENT TO WALL
3" = 1'-0"



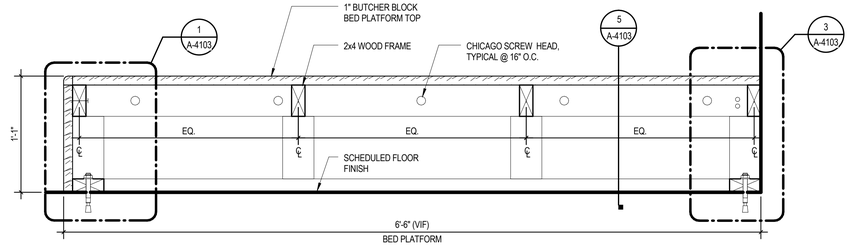
3 81 - BED DTL AT FIN TUBE PIPING
3" = 1'-0"



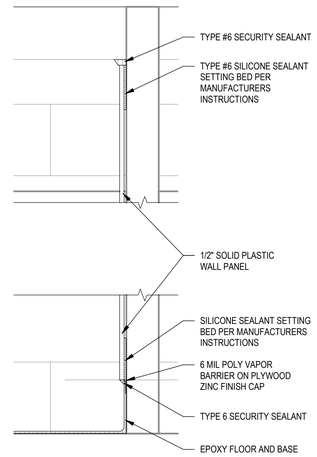
4 81 - SHOWER CURB AND LOW WALL DETAIL
1 1/2" = 1'-0"



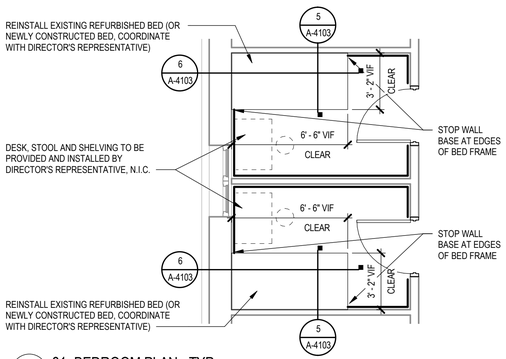
5 81 - TYP CROSS SECTION AT BED
1 1/2" = 1'-0"



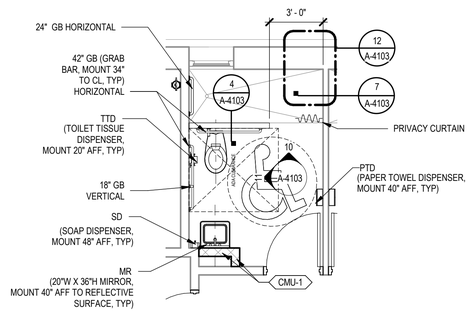
6 81 - TYP SECTION ACROSS LENGTH OF BED
1 1/2" = 1'-0"



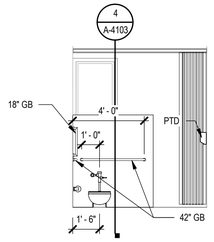
7 81 - SHOWER SECTION
1 1/2" = 1'-0"



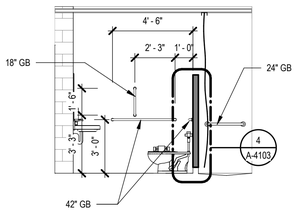
8 81- BEDROOM PLAN - TYP
1/4" = 1'-0"



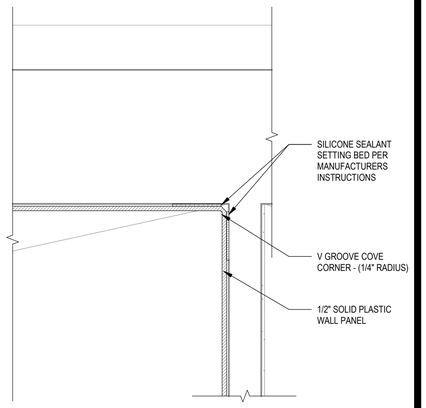
9 81 - ADA BATHROOM PLAN - TYP
1/4" = 1'-0"



10 81 - ADA BATHROOM ELEVATION - TYP
1/4" = 1'-0"



11 81 - ADA BATHROOM ELEVATION - TYP
1/4" = 1'-0"



12 81 - SOLID SURFACE PLAN DETAIL
1 1/2" = 1'-0"

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CONSULTANT

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REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
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	08/07/17	FINAL SUBMISSION

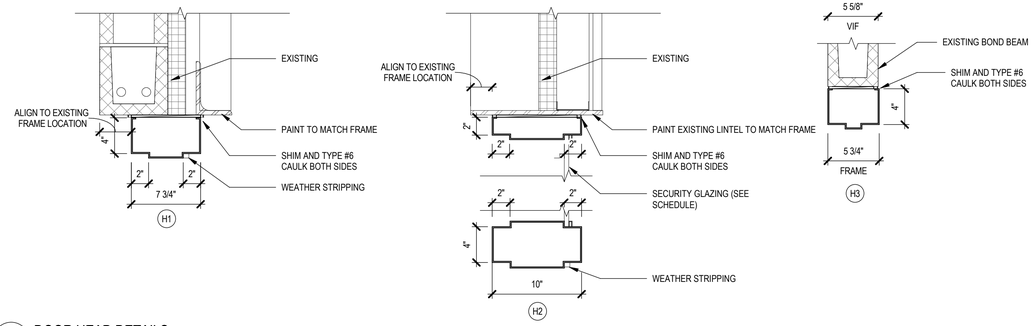
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DESIGNED BY:	RB
DRAWN BY:	BD
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 81 DETAILS

DRAWING NUMBER: A-4103

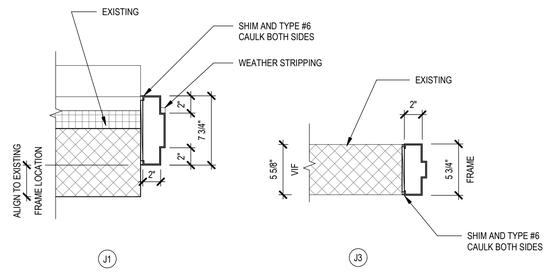
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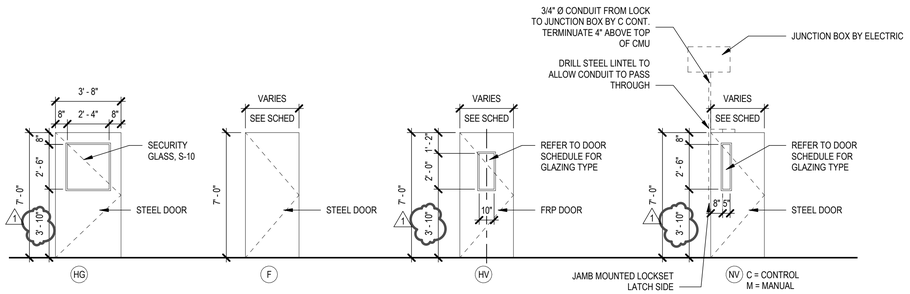
1 DOOR HEAD DETAILS

1 1/2" = 1'-0"



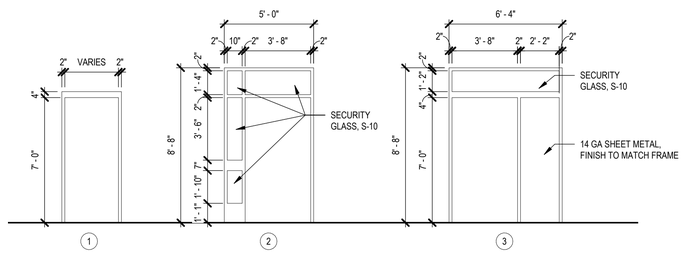
2 DOOR JAMB DETAILS

1 1/2" = 1'-0"



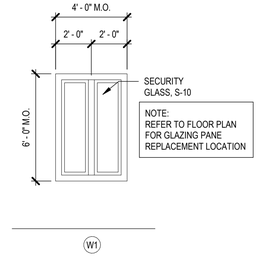
3 DOOR TYPES

1/4" = 1'-0"



4 FRAME TYPES

1/4" = 1'-0"



5 WINDOW TYPES

1/4" = 1'-0"

81 - DOOR SCHEDULE

MARK	DOOR NO	ROOM NAME	LEAF	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME ANCHORS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	DOOR GLAZING	FRAME GLAZING	FIRE RATING	HARDWARE SET NO	HARDWARE HAND	REMARKS	DOOR NO	MARK
1	4001	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4001	1
1	4002	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4002	1
1	4003	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4003	1
1	4004	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4004	1
1	4005	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4005	1
1	4006	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4006	1
1	4007	HEAD-END ROOM	1	3' - 0"	7' - 0"	1 3/4"	F	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	5A	LH	NOTE 2 & 4	4007	1
1	4008	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4008	1
1	4009	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4009	1
1	4010	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4010	1
1	4011	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4011	1
1	4012	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4012	1
1	4013	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4013	1
1	4014	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4014	1
1	4015	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4015	1
1	4016	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4016	1
1	4017	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4017	1
1	4018	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4018	1
1	4019	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	RH	NOTE 2 & 4	4019	1
1	4020	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	S-4	-	-	6	LH	NOTE 2 & 4	4020	1
1	4022	MECHANICAL	2	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	17	RHRA	EXTERIOR, NOTE 4	4022	1
1	4023	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	4023	1
1	4024	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	LH	-	4024	1
1	4025	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	4025	1
1	4026	COUNSELING	1	3' - 0"	7' - 0"	1 3/4"	NV-M	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	S-4	-	-	2	RH	EXTERIOR, NOTE 4	4026	1
2	4026	COUNSELING	1	3' - 0"	7' - 0"	1 3/4"	EXSIT	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RHR	NOTE 1	4026	2
1	4027	CONTROL	1	3' - 0"	7' - 1 1/2"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	EAL-2	-	-	-	-	-	-	-	4	RH	-	4027	1
1	4028	TOILET	1	2' - 6"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RH	NOTE 1 & 3	4028	1
1	4029	SHOWER	1	2' - 6"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RHR	-	4029	1
1	4030	SHOWER	1	2' - 6"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	LHR	-	4030	1
1	4031	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	4031	1
1	4032	VEST	1	3' - 8"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RHR	NOTE 1	4032	1
2	4032	VEST	1	3' - 8"	7' - 0"	1 3/4"	HG	STL	EAL-2	2	STL	EAL-2	-	H2	J1	6" ALUM	S-10	S-10	-	1	RH	EXTERIOR, NOTE 4	4032	2
1	4033	LAUNDRY	1	3' - 0"	7' - 0"	1 3/4"	EXSIT	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	9	RHR	NOTE 1	4033	1
1	4034	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	EXSIT	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	3	LHR	NOTE 1	4034	1
1	4035	ELECTRIC	1	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	19	RHR	EXTERIOR, NOTE 4	4035	1
1	4036	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	HG	STL	EAL-2	3	STL	EAL-2	-	H1	J1	6" ALUM	S-10	S-10	-	1	LHR	EXTERIOR, NOTE 4	4036	1
2	4036	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	LHR	NOTE 1	4036	2
1	4037	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	19	LHR	EXTERIOR, NOTE 4	4037	1

NOTES:

1. CLEAN, PREP, PRIME & PAINT EXISTING DOOR AND EXISTING DOOR FRAME. IF DOOR VISION PANEL BUYTL / SEALANT IS INDICATED TO BE REMOVED IN THE HAZARDOUS MATERIAL SURVEY REPORT, SEALANT REPLACMENT IS THE RESPONSIBILITY OF THE GENERAL [SUB]CONTRACTOR.
2. CLEAN, PREP, PRIME & PAINT EXISTING DOOR FRAME.
3. EXISTING HARDWARE TO BE CLEANED AND REUSED.
4. FIELD VERIFY EXISTING FRAME OPENING.

1

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

ASHLEY MCGRAW

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	BD
DRAWN BY:	RB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 81 DOOR SCHEDULE & TYPES, WINDOW TYPE

DRAWING NUMBER: A-4601

SHEET OF

9/21/2017 10:12:26 AM
C:\Users\vmd015\Documents\17045-Industry81+82-Central-R2017_vmd015.rvt
36x24 PLOT SHEET

CODE LEGEND

SYMBOL	FIRE RESISTIVE CONSTRUCTION	HOUR RATING DOOR	HOUR RATING WINDOW	HOUR RATING DAMPERS
	1 HR - FIRE BARIER- EXISTING TO REMAIN	3/4 HR	W-60	1-1/2 HR
	2 HR - FIRE BARRIER- EXISTING TO REMAIN	1-1/2 HR	W-120	1-1/2 HR
	EGRESS PATH/ COMMON PATH OF TRAVEL			
	EXIT LIGHTING			
F.E.	PORTABLE FIRE EXTINGUISHER			

STAIR, OR DOOR EGRESS TAG

STAIR OR DOOR CLEAR WIDTH — 1-42 (min 205, 41" x 0.20, 205) — STAIR OR DOOR IDENTIFIER; EXIT CAPACITY; EXIT CAPACITY FACTOR

ACTUAL OCCUPANT LOAD

ROOM TAG

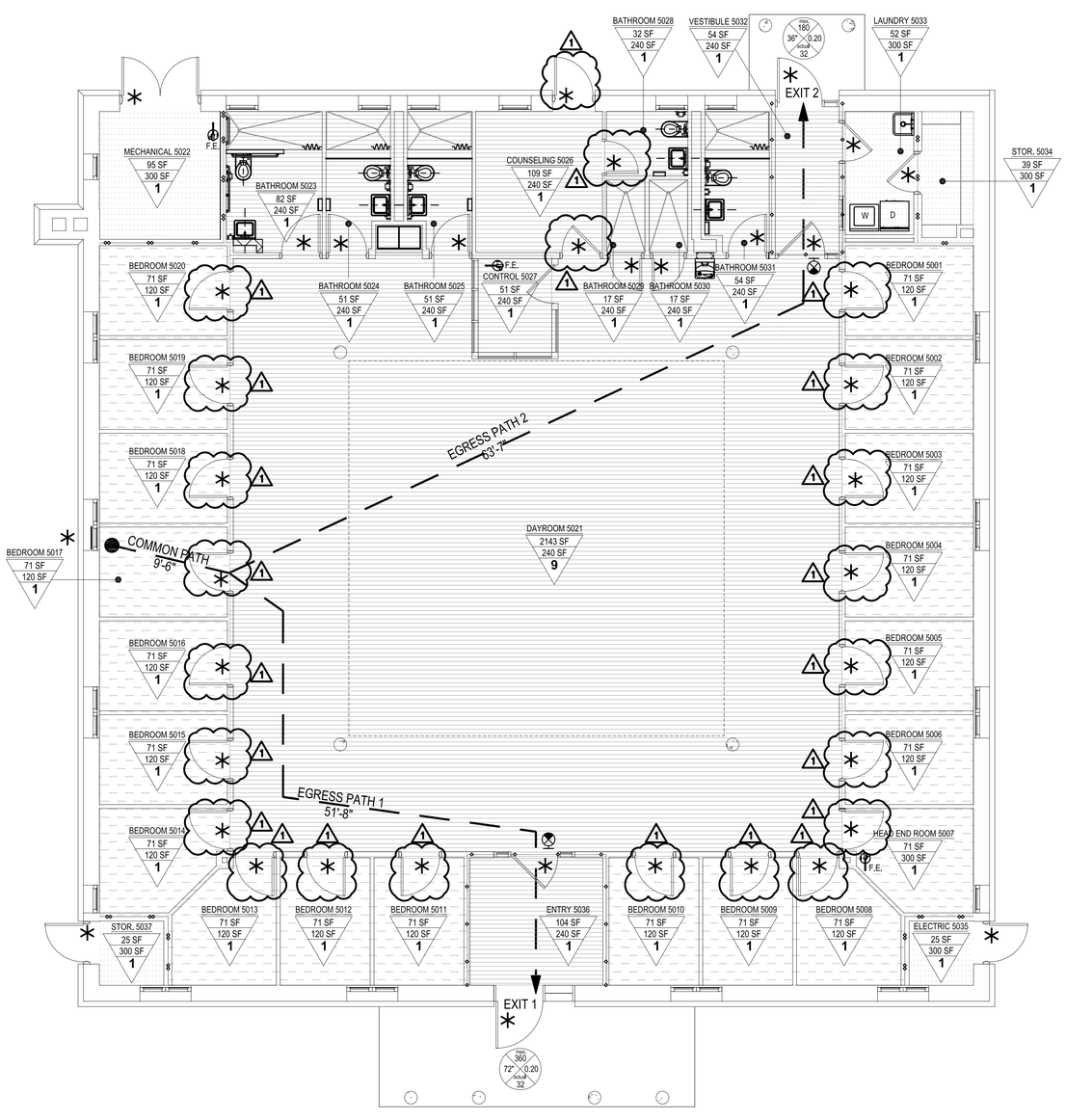
Area — ROOM IDENTIFIER
620 SF — ROOM AREA
200 SF / 4 — ROOM OCCUPANT LOAD FACTOR; NO. OF OCCUPANTS

SUMMARY OF WORK NOTES

AREA OF WORK NOTES:

1. THE ENTIRE BUILDING IS CLASSIFIED AS A LEVEL 1 ALTERATION. THERE WILL BE NO WINDOWS OR DOORS ADDED OR ELIMINATED.
2. INTERIOR DOORS AND HARDWARE TO BE REPLACED OR CLEARED OF HAZARDOUS MATERIALS AND REINSTALLED. SEE ASTERISK FOR LOCATIONS. SOME INTERIOR DOOR FRAMES TO REMAIN. SEE THE ARCHITECTURAL DRAWINGS FOR SPECIFIC SCHEDULED WORK FOR EACH DOOR.
3. ALL EXTERIOR DOORS, FRAMES AND HARDWARE TO BE REPLACED. SEE ASTERISK FOR LOCATIONS.
4. ALL WINDOWS TO REMAIN. SEE ASTERISK FOR WINDOWS TO RECEIVE NEW GLAZING.
5. WATER CLOSETS AND LAVATORIES TO BE REPLACED WITH NEW.
6. NEW FLOORING AND PAINT THROUGHOUT.
7. INSTALL NEW HEAD END (IT) EQUIPMENT IN STORAGE ROOM 3009.
8. REPLACE EXISTING AIR HANDLERS, CONDENSING UNITS AND BOILERS WITH NEW. CONNECT TO EXISTING PIPING/ WIRING.
9. REPLACE EXISTING ELECTRICAL PANELS, CONNECT TO EXISTING WIRING.
10. RE-LAMP AND RE-BALLAST EXISTING LIGHT FIXTURES.
11. REPLACE EXISTING FIRE ALARM PANEL WITH NEW. CONNECT TO EXISTING WIRING. EXISTING DEVICES TO REMAIN.
12. O.C.F.S. HAS A WAIVER BASED ON ABLE-BODY STAFF, THEREFORE, DOORS WITH VISION PANELS SHALL NOT BE REQUIRED TO MEET THE 2009 ANSI A117.1, 404.2.10 REQUIREMENT OF 43" MAX. HEIGHT A.F.F. SEE DOOR SCHEDULE ON ARCHITECTURAL DRAWINGS FOR DOOR LOCATIONS.

GRAPHICALLY DENOTES SPECIFIC AREAS OF WORK.



1 FLOOR PLAN BUILDING 82
3/16" = 1'-0"

APPLICABLE CODES

UNDER THE NYSUFP&BC, ALL BUILDING PROJECTS MUST MEET OR EXCEED THE FOLLOWING CODES AND APPLICABLE REFERENCE STANDARDS IDENTIFIED:

- 2016 EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)
- 2016 BUILDING CODE OF NEW YORK STATE (IBC 2015)
- 2016 FIRE CODE OF NEW YORK STATE (IFC 2015)
- 2016 MECHANICAL CODE OF NEW YORK STATE (IMC 2015)
- 2016 PLUMBING CODE OF NEW YORK STATE (IPC 2015)
- 2016 FUEL AND GAS CODE OF NEW YORK STATE (IFGC 2015)
- 2016 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (IECC 2015)
- 2016 UNIFORM CODE SUPPLEMENT - NEW YORK STATE
- 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE
- NEW YORK STATE LABOR DEPARTMENT INDUSTRIAL CODE FOR ITEMS RELATING TO PEOPLE WHO WORK IN THE BUILDING SUCH AS SAFETY GLASS, PROVISIONS FOR WINDOW WASHING, COT SPACE FOR FEMALE EMPLOYEES, ASBESTOS ABATEMENT, BOILER DESIGN, ETC.
- 2009 ICC ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES /ANSI A117.1, AS REFERENCED IN THE CODES ABOVE.
- 2015 NATIONAL ELECTRIC CODE NFPA 70, AS REFERENCED IN THE CODES ABOVE.
- 2016 EXISTING BUILDING CODE OF NEW YORK STATE CHAPTER 15 : CONSTRUCTION SAFEGUARDS, AS REFERENCED IN THE CODES ABOVE.
- 2016 BUILDING CODE OF NEW YORK STATE CHAPTER 33: SAFEGUARDS DURING CONSTRUCTION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 33: FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AS REFERENCED IN THE CODES ABOVE.
- 2016 FIRE CODE OF NEW YORK STATE CHAPTER 35: WELDING AND OTHER HOT WORKS, AS REFERENCED IN THE CODES ABOVE.

MEANS OF EGRESS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE EGRESS ANALYSIS. ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. (EBCNYS 704.1)

OCCUPANCY SEPARATIONS

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE OCCUPANCY SEPARATION ANALYSIS.
2. 1-3 OCCUPANCY THROUGHOUT EXISTING BUILDING.

AREA CALCULATIONS

LEVEL	OCCUPANCY	ALLOWABLE SF	ACTUAL SF	RATIO	SUBTOTAL	TOTAL
1	EXISTING: I-3	10,000	4,670	NA	NA	NA

NOTES:

1. A LEVEL 1 ALTERATION CLASSIFICATION DOES NOT REQUIRE AREA CALCULATIONS PER EBCNYS CHAPTER 7.

BUILDING DATA

1. (BCNYS 1006.2.1) AREAS AND ROOMS REQUIRED TO HAVE TWO (2) EXITS
   NA- A LEVEL 1 ALTERATION (EBCNYS SECTION 704.1)
2. (BCNYS 601) TYPE OF CONSTRUCTION:
   EXISTING: IIB NON COMBUSTIBLE, NON SPRINKLERED.
3. AREA MODIFICATIONS:
   NR- A LEVEL 1 ALTERATION (EBCNYS CHAPTER 7)
4. (BCNYS 504.4) STORIES: EXISTING 1 STORY / ALLOWABLE: NR: EXISTING - LEVEL 1 ALTERATION
5. (BCNYS 1010.1.10) ELECTRICAL ROOMS: NR -(EBCNYS 704 MEANS OF EGRESS)
6. (BCNYS 903.3.1.1.) SPACES WITHOUT SPRINKLERS: NR- A LEVEL 1 ALTERATION (EBCNYS 703 FIRE PROTECTION)
7. 7. (BCNYS 1011) STAIRWAYS: NA- NO STAIRS & (EBCNYS 704 MEANS OF EGRESS)
8. (BCNYS 1012) RAMPS: (EBCNYS 704 MEANS OF EGRESS) - ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

REQUIRED DRAWINGS

BUILDING CODE OF NEW YORK STATE:
BC907.1,2 FIRE ALARM SHOP DRAWINGS
BC909,18,9 SMOKE CONTROL SYSTEMS

FIRE CODE OF NEW YORK STATE:
FC501,3 FIRE SERVICE FEATURES
FC901,2 FIRE PROTECTION SYSTEMS
FC907,1,1 FIRE ALARM AND DETECTION SYSTEMS
FC909,2, 909,3, AND 909,4 SMOKE CONTROL SYSTEMS

ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE:
ECC103 INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS

EXISTING BUILDING CODE OF NEW YORK STATE:
EBC501.2 WORK AREA

PROJECT MUST COMPLY WITH THE FOLLOWING:
EXISTING BUILDING CODE 15 CONSTRUCTION SAFEGUARDS
BUILDING CODE 33 SAFEGUARDS DURING CONSTRUCTION
FIRE CODE 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION
FIRE CODE 35 WELDING AND OTHER HOT WORKS

FUNCTION OF SPACE LEGEND

INSTITUTIONAL AREAS: SLEEPING AREAS: 1,496 SF / 120 GROSS OLF = 13 - ACTUAL 19

INSTITUTIONAL AREAS: INPATIENT TREATMENT AREAS: 2,324 SF / 240 GROSS OLF = 10

ACCESSORY SPACE (CONTROL, STORAGE, TOILET, CIRCULATION) 838 SF / 300 GROSS OLF = 3

EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2015)			
CHAPTER		REQUIRED	PROVIDED
3	PROVISIONS FOR ALL COMPLIOANCE		
301,1,2	WORK AREA COMPLIANCE METHOD	WILL COMPLY WITH CHAPTERS 5-13	
5	CLASSIFICATION OF WORK		
503.1	SCOPE: LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACE MENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.		EXISTING & PROPOSED 1-3 OCCUPANCY
7	ALTERATIONS LEVEL 1		
7021.1	INTERIOR FINISHES	COMPLY WITH IBC CHAPTER 8 TB03.11 • ENCLOSED ROOMS & SPACES: CLASS B • CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS: CLASS A • INTERIOR EXIT STAIRWAY AND RAMPS AND EXIT PASSAGEWAYS: CLASS A OR FOOTNOTE a.	• FINISHES IN ENCLOSED ROOMS & SPACES ARE: CLASS B OR GREATER • N/A - NO CORRIDORS OR RATED STAIRS EXIST. • N/A - NO INTERIOR EXIT STAIR, RAMPS, OR PASSAGEWAY EXIST.
702.2	INTERIOR FLOOR FINISH	COMPLY WITH IBC SECTION 804 804.2 CLASSIFICATION & NFPA 253 MATERIAL CLASS I: = 0.45 WATTS/cm² OR GREATER 804.4.2 MINIMUM CRITICAL RADIAN FLUX: I-3 OCCUPANCY SHALL NOT BE LESS THAN CLASS I	FLOOR MATERIALS MEET CRITERIA: • EPOXY RESIN FLOORING = SELF EXTINGUISHING > .45 WATTS/ cm² • SOLID VINYL FLOOR TILE = CLASS I • CERAMIC FLOOR TILE = CLASS I
702.3	INTERIOR TRIM	COMPLY WITH IBC SECTION 806 DECORATIVE MATERIALS AND TRIM. • NON-COMBUSTILE MATERIALS SHALL NOT BE LIMITED. • COMBUSTILE DECORATIVE MATERIALS NOT PERMITTED IN I-3 OCCUPANCY. • FOAM PLASTIC TRIM PER SECTION 2604.2 • INTERIOR TRIM TO HAVE MIN. CLASS C FLAME SPREAD AND SMOKE INDEX PER ASTM E84 OR UL723 • INTERIOR FLOOR-WALL BASE TO BE RATED CLASS I OR CLASS C	• N/A - NO COMBUSTIBLE DECORATIVE MATERIALS PROVIDED • N/A - FOAM PLASTIC NOT PROVIDED • N/A - INTERIOR TRIM NOT PROVIDED • INTERIOR FLOOR-WALL BASE: •• EPOXY BASE = SELF EXTINGUISHING > .45 WATTS/ cm² •• CERAMIC TILE BASE = CLASS I •• RESILIENT RUBBER BASE = CLASS I
703	FIRE PROTECTION	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED	EXISTING FIRE ALARM DEVICES TO REMAIN. EXITING FIRE ALARM PANEL TO BE REPLACED WITH NEW AND MAINTAIN LEVEL OF PROTECTION
704	MEANS OF EGRESS	ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THEM MEANS OF ERESS	EGRESS COMPONENTS TO BE MAINTAINED OR REPLACED TO MAINTAIN LEVEL OF EGRESS PROTECTION. REPLACEMENT EXTERIOR DOORS ARE OF EQUAL SIZE TO EXISTING & >32" CLEAR OPENING.
705.1.1	ENTRANCES	ALTERATIONS TO AN ENTRANCE WHEN THE FACILITY HAS AN ACCESSIBLE ENTRANCE ON AN ACCESSIBLE ROUTE, THE ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE.	NA- EXISTING ENTRANCES ARE ON ACCESSIBLE ROUTES. ALTERATIONS MAINTAIN ACCESSIBILITY
705.1.9	TOILET ROOMS	N/A- (1) ACCESSIBLE TOILET ROOM EXISTS	EXISTING ACCESSIBLE TOILET ROOM TO RECEIVE NEW LAYOUT, FINISHES AND FIXTURES AND MAINTAIN ACCESSIBILITY
705.1.12	THRESHOLDS	MAX HEIGHT OF THRESHOLDS SHALL BE ▼ WITH BEVELED EDGES ON EACH SIDE	THRESHOLDS COMPLY
708	ENERGY CONSERVATION	ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE IECC AS THEY RELATE TO NEW CONSTRUCTION ONLY. • 2016 ENERGY CODE SUPPLEMENT C101.6 STATUTORY LIMITATIONS & EXEMPTIONS	SEE 2015 IECC ENERGY CODE ANALYSIS BELOW

BUILDING CODE OF NEW YORK STATE (IBC 2015)			
CHAPTER		REQUIRED	PROVIDED
3	USE AND OCCUPANCY CLASSIFICATION		
304.1	I-3 INSTITUTIONAL	EXISTING	EXISTING
5	GENERAL BUILDING HEIGHTS AND AREAS		
503	OCCUPANCY	I-3 INSTITUTIONAL	I-3 INSTITUTIONAL
	CONSTRUCTION TYPE	IIB NON-SPRINKLERED	NA- NOT ALTERED BY SCOPE
504	BUILDING HEIGHT BASIC	NA - ALTERATION LEVEL 1	EXISTING BUILDING 25'+/- H.
504.2	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	TOTAL HEIGHT:	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
506	BUILDING AREA BASIC	NA - ALTERATION LEVEL 1	EXISTING 4,670 SF.
506.2	FRONTAGE INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
506.3	SPRINKLER INCREASE	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	TOTAL AREA:	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
6	CONSTRUCTION TYPE		
T. 601	TYPE	IIB / EXISTING	IIB / EXISTING TO REMAIN
	PRIMARY FRAME	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	NON BEARING WALL - EXTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	NON BEARING WALL - INTERIOR	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	FLOOR CONSTRUCTION	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
	ROOF CONSTRUCTION	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
T. 602	FIRE SEPARATION DISTANCE > 30 FEET	NA - ALTERATION LEVEL 1	NA- NOT ALTERED BY SCOPE
602.2	TYPE IIB	ALL MATERIALS MADE FROM NONCOMBUSTABLE MATERIALS UNLESS ALLOWED BY 603	NA- NOT ALTERED BY SCOPE
8	INTERIOR FINISHES		
T. 803.1.1	FINISH REQUIREMENTS BY OCCUPANCY	GROUP I-3 (NON-SPRINKLERED)	
	EXIT STAIRWAYS, RAMPS & PASSAGEWAYS	A	NA
	CORRIDORS	A	NA
	ROOMS/ ENCLOSED SPACE	B	CLASS B FINISHES PROVIDED
804.4.2	MINIMUM CRITICAL RADIANT FLUX	FLOOR FINISHES: CLASS 1 NON- SPRINKLERED	CLASS 1 FLOOR FINISHES PROVIDED
9	FIRE PROTECTION SYSTEM		
906	PORTABLE FIRE EXTINGUISHER SYSTEMS	PROVIDE IN GROUP 1-3 PER NFPA 10 TABLE 6.2.1.1 CLASS A, LIGHT HAZARD OCCUPANCY = 2-A EXTINGUISHER MAX 75' TRAVEL DISTANCE, MOUNT 5' MAX AFF IF < 40LBS. 906.8 CABINETS- 1-3 PERMITTED TO BE LOCKED OR LOCATED IN STAFF LOCATIONS PROVIDED STAFF HAS KEYS	(1) 2-A ABC EXTINGUISHERS IN MAIN AREA- REFER TO FLOOR PLAN (1) 2-A TYPE ABC EXTINGUISHER IN EACH MECHANICAL SPACE- REFER TO FLOOR PLAN (1) 2-A ABC EXTINGUISHERS IN COMPUTER ROOM - REFER TO PLAN
10	MEANS OF EGRESS- REFER TO NYS EBC FOR REVIEW		
11	ACCESSIBILITY		
1104	ROUTE	EXISTING ACCESSIBLE ROUTE TO BE MAINTAINED	WILL BE MAINTAINED
1105	ENTRANCES	EXISTING ACCESSIBLE ENTRANCES SHALL BE MAINTAINED	DOOR & THRESHOLD REPLACEMENT MAINTAINS ACCESSIBILITY
1109.2	TOILET FACILITIES	N/A- (1) ACCESSIBLE TOILET ROOM EXISTS	REFER TO NYS EBC ABOVE FOR PROVIDED
1109.5	DRINKING FOUNTAINS	NEW WORK SHALL BE ACCESSIBLE	ACCESSIBLE FIXTURE PROVIDED
13	ENERGY EFFICIENCY		
	REQUIRES DESIGN AND COMPLIANCE WITH INTERNATIONAL ENERGY CODE		NOT ALTERED BY SCOPE

ENERGY CODE OF NEW YORK STATE (IECC 2015)			
CHAPTER		REQUIRED	PROVIDED
C101.6	STATUTORY LIMITATIONS AND EXEMPTIONS		
C101.6.1		THE ENERGY CODE SHALL NOT BE INTERPRETED TO REQUIRE ANY UNALTERED PORTION OF SUCH EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THE ENERGY CODE.	
C101.6.2		THE ENERGY CODE SHALL NOT APPLY TO ANY OF THE FOLLOWING, PROVIDED THAT THE ENERGY USE OF THE BUILDING IS NOT INCREASED: (2) GLASS ONLY REPLACEMENTS IN AN EXISTING SASH AND FRAME (3) EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION. (6) REPLACEMENT OF EXISTING DOORS THAT SEPARATE CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT REQUIRE THE INSTALLATION OF A VESTIBULE OR REVOLVING DOOR, PROVIDED HOWEVER, THAT AN EXISTING VESTIBULE SEPARATES SUCH CONDITIONED SPACE FROM THE EXTERIOR SHALL NOT BE REMOVED. (8) ALTERATIONS THAT REPLACE ONLY THE BULB AND THE BALLAST WITHIN THE EXISTING LUMINAIRES IN A SPACE PROVIDED THAT THE ALTERATION DOES NOT INCREASE THE INSTALLED INTERIOR LIGHTING POWER.	LIGHTING RETROFIT, BOILER REPLACEMENT, AIR HANDLER REPLACEMENT, WATER HEATER REPLACEMENT ALL REDUCE THE ENERGY USE OF THE BUILDING
C403	BUILDING MECHANICAL SYSTEMS	• C403.2.3(5): BOILERS, HOT WATER: 80% EFFICIENCY • C403.2.3(6): CONDENSING UNITS, AIR COOLED: 10.1 EER	• BOILERS, HOT WATER •• B-3-1: 97.7% EFFICIENCY •• B-3-2: 97.7% EFFICIENCY • CONDENSING UNITS, AIR COOLED: •• ACCU-3-1: 11.0 EER •• ACCU-3-2: 11.2 EER
C405	ELECTRICAL POWER AND LIGHTING SYSTEMS	• LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS. EXCEPTION - LIGHTING CONTROLS ARE NOT REQUIRED FOR AREAS DESIGNATED AS SECURITY OR EMERGENCY AREAS THAT REQUIRED TO BE CONTINUOUSLY LIGHTED. • EXTERIOR LIGHTING CONTROLS: LIGHTING FOE EXTERIOR APPLICATIONS SHALL BE PROVIDED WITH A CONTROL THAT AUTOMATICALLY TURNS OFF THE LIGHTING AS A FUNCTION OF AVAILABLE DAYLIGHT. • EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE. • LIGHTING POWER DENSITIES: •• C405.4.2- INTERIOR LIGHTING SHALL MEET = 0.57 w/sf •• C405.5.1-EXTERIOR LIGHTING SHALL MEET = 20w/ LINEAR FOOT OF DOOR WIDTH FOR BUILDING ENTRANCES	• SECURITY LIGHTS ALONG THE SECURITY FENCE ARE NOT PROVIDED WITH LIGHTING CONTROLS PER THE EXCEPTION LISTED IN C405.2. • EXTERIOR BUILDING ENTRY LIGHTS AND PATHWAY LIGHTS ARE PROVIDED WITH TIME CLOCK AND/ OR PHOTOCELL CONTROL. • EXIT SIGNS SPECIFIED CONSUME 0.71 WATTS. • INTERIOR LIGHTING: PROVIDED DENSITY = • EXTERIOR LIGHTING: PROVIDED DENSITY = 7.5W/ LINEAR FOOT OF DOOR WIDTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

NKB
N.K. BHANDARI
ARCHITECTURE & ENGINEERING, P.C.

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CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/17	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

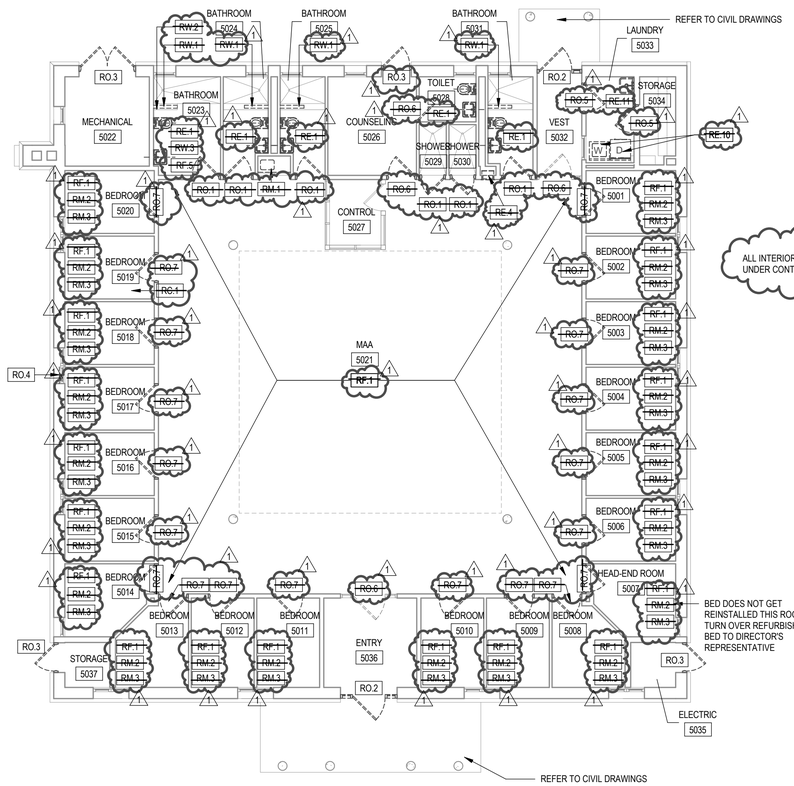
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DESIGNED BY:	KRS
DRAWN BY:	KRS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
CODE COMPLIANCE PLAN
INDUSTRY BUILDING 82

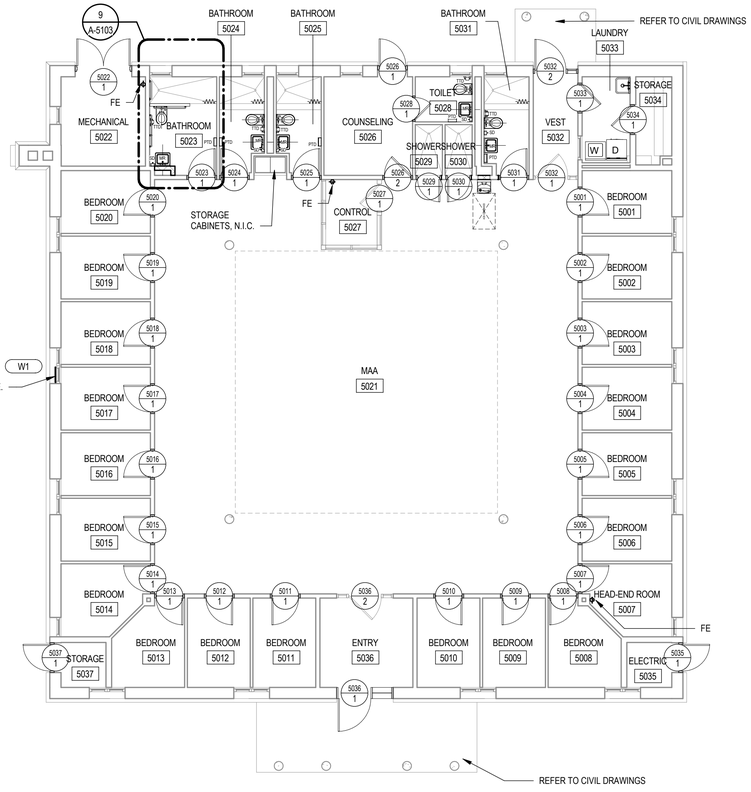
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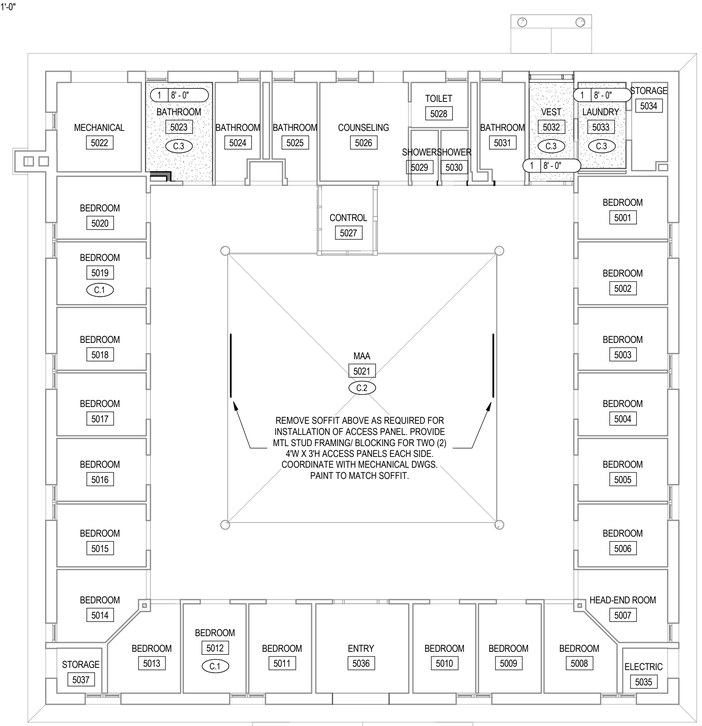
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36x24 PLOT SHEET



1 FLOOR PLAN - REMOVALS - BLDG 82
1/8" = 1'-0"



2 FLOOR PLAN - BLDG 82
1/8" = 1'-0"



3 REFLECTED CEILING PLAN - BLDG 82
1/8" = 1'-0"

CEILING TYPE SCHEDULE

MARK	SUBSTRATE	FINISH	DESCRIPTION
1			5/8" GYPSUM WALL BOARD ON METAL SUSPENSION SYSTEM STANDARDS

KEYED NOTES

KEYED NOTES LOCATED WITHIN A SPACE SHALL APPLY THROUGHOUT THE SPACE UNLESS OTHERWISE INDICATED.

Rx = REMOVAL KEYNOTE; F = FLOORING; R = ROOFING; C = CEILING; M = MILLWORK; S = STAIRS / RAMPS; E = EQUIPMENT / FIXTURES; O = OPENING; W = WALL / STRUCTURE

NO.	DESCRIPTION
C.1	MOLD IDENTIFIED ON SMALL PORTION OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTION OF CEILING; GC TO VERIFY LOCATION IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
C.2	MOLD IDENTIFIED ON MULTIPLE AREAS OF EXISTING GWB CEILING. REMOVE AND REPLACE PORTIONS OF CEILING; GC TO VERIFY LOCATIONS IN THE FIELD & COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
C.3	MOLD IDENTIFIED ON LARGE PORTION OF EXISTING GWB CEILING. REMOVE AND REPLACE ENTIRE CEILING; COORDINATE WITH HAZARDOUS MATERIAL SURVEY REPORT.
RC.1	REMOVE PORTION OF CEILING. COORDINATE WITH RCP.
RE.1	W/C & LAV FIXTURES REMOVED BY PLUMBING CONTRACTOR. COORDINATE W/ PLUMBING DWGS.
RE.4	DRINKING FOUNTAIN REMOVED BY PLUMBING CONTRACTOR. INFILL WALL TO MATCH EXISTING CONSTRUCTION.
RE.10	REMOVE LAUNDRY EQUIPMENT, WATER LINES, AND ALL HARDWARE AND ACCESSORIES.
RE.11	UTILITY SINK REMOVED BY PLUMBING CONTRACTOR
RF.1	REMOVE CARPET SYSTEM. INCLUDING BUT NOT LIMITED TO CARPET, PADDING, TACK STRIP, ADHESIVE, AND ALL HARDWARE AND ACCESSORIES.
RF.5	REMOVE CERAMIC FLOOR TILE AND MUD SET. PREP SLAB.
RM.1	REMOVE BASE CABINET, SINK AND FAUCET, COMPLETE. REPAIR WALLS AND FLOOR AT REMOVALS.
RM.2	EXISTING BED TO BE REMOVED AND REFURBISHED (OR NEWLY CONSTRUCTED). CONTRACTOR TO ASSUME 7 TOTAL NEWLY CONSTRUCTED BEDS AND INCLUDE $30,000 FOR REFURBISHMENT OF THE REMAINING 31 BEDS IN BUILDINGS 81 & 82.

KEYED NOTES

KEYED NOTES LOCATED WITHIN A SPACE SHALL APPLY THROUGHOUT THE SPACE UNLESS OTHERWISE INDICATED.

Rx = REMOVAL KEYNOTE; F = FLOORING; R = ROOFING; C = CEILING; M = MILLWORK; S = STAIRS / RAMPS; E = EQUIPMENT / FIXTURES; O = OPENING; W = WALL / STRUCTURE

NO.	DESCRIPTION
RM.3	REMOVE DESK AND ALL SHELVING.
RO.1	DOOR, STL FRAME AND ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.2	DOOR, STL FRAME, ALL HARDWARE AND ACCESSORIES, SIDELIGHT AND TRANSOM TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR.
RO.3	REMOVE DOOR, STL FRAME AND HARDWARE.
RO.4	WINDOW GLAZING TO BE REMOVED BY ABATEMENT CONTRACTOR, FRAME TO REMAIN.
RO.5	REMOVE DOOR, ALL HARDWARE AND ALL ACCESSORIES, REFINISH EXISTING DOOR; FRAME TO REMAIN. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.6	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED BY ABATEMENT CONTRACTOR AND CLEARED OF HAZARDOUS MATERIALS PRIOR TO TURNING OVER DOOR TO GC. EXISTING FRAME TO REMAIN. COORDINATE EXTENT OF ABATEMENT WITH HAZARDOUS MATERIAL SURVEY REPORT. REFER TO DOOR SCHEDULE FOR DOOR REFINISH SCOPE.
RO.7	DOOR, ALL HARDWARE AND ACCESSORIES TO BE REMOVED AND DISPOSED OF BY ABATEMENT CONTRACTOR; FRAME TO REMAIN.
RW.1	REMOVE 4" GLASS BLOCK WALL.
RW.2	REMOVE SHOWER CURB. REPAIR SLAB AT CURB REMOVAL.
RW.3	REMOVE CERAMIC WALL TILE BACK TO EXIST CONCRETE. PREP CONCRETE WALL TO RECEIVE SCHEDULED FINISH.

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DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

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REGISTERED ARCHITECT ANDREW M. SCHUSSLER 036192 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION

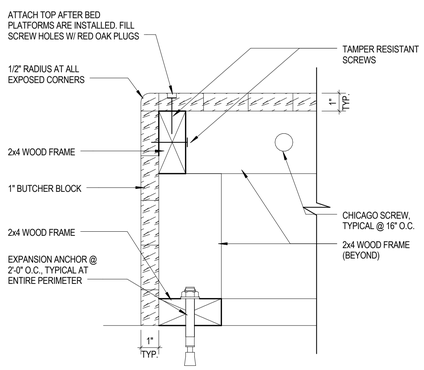
PROJECT NUMBER: 45679 - C
DESIGNED BY: RB
DRAWN BY: BD
FIELD CHECK:
APPROVED:

SHEET TITLE:
BUILDING 82
REMOVAL PLAN, FLOOR PLAN, REFLECTED CEILING PLAN

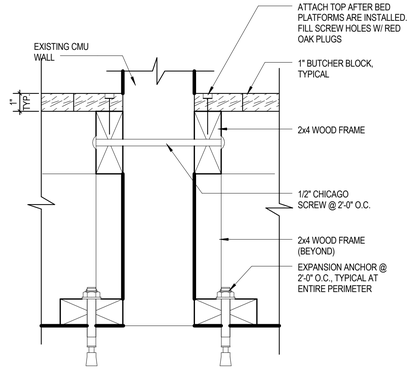
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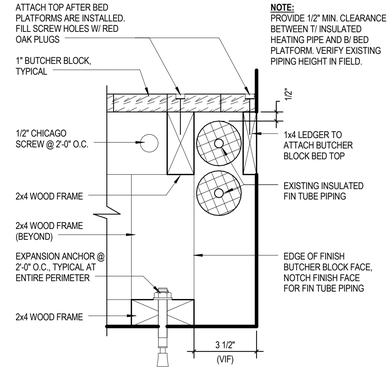
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36x24 PLOT SHEET



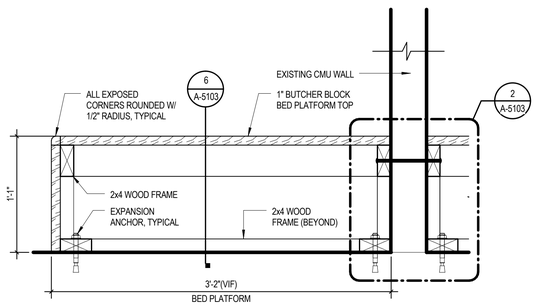
1 82 - TYP BED CORNER DTL
3" = 1'-0"



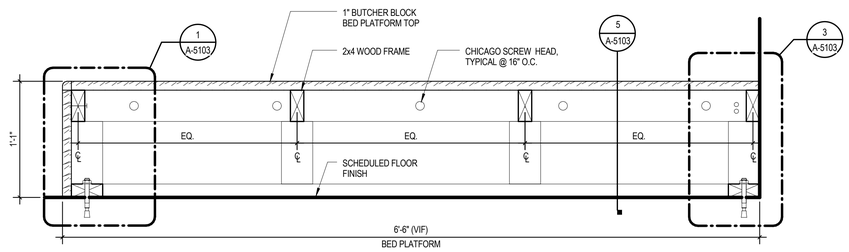
2 82 - TYP BED ATTACHMENT TO WALL
3" = 1'-0"



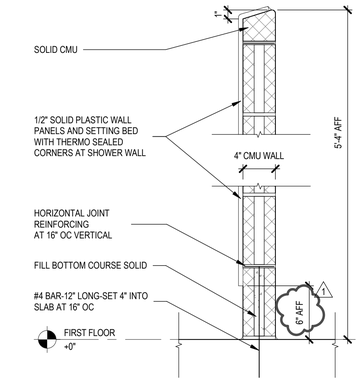
3 82 - BED DTL AT FIN TUBE PIPING
3" = 1'-0"



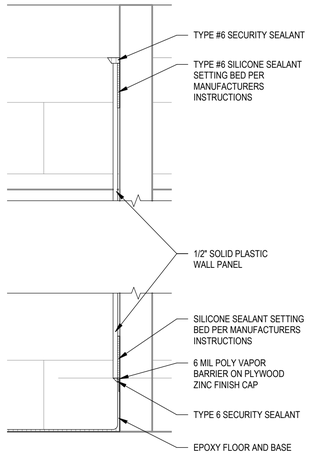
5 82 - TYP CROSS SECTION AT BED
1 1/2" = 1'-0"



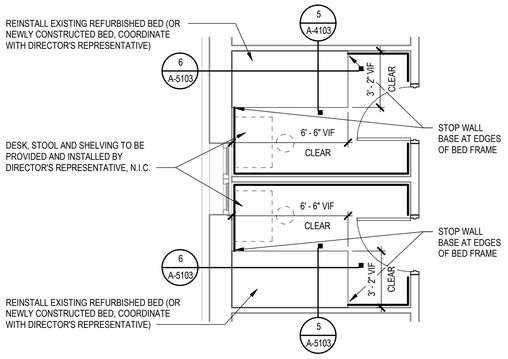
6 82 - TYP SECTION ACROSS LENGTH OF BED
1 1/2" = 1'-0"



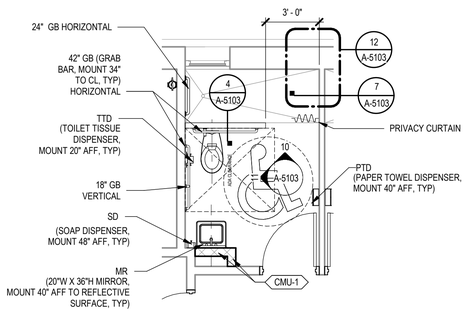
4 82 - SHOWER CURB AND LOW WALL DETAIL
1 1/2" = 1'-0"



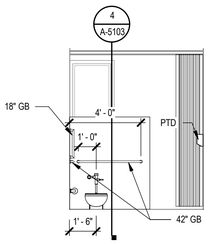
7 82 - SHOWER SECTION
1 1/2" = 1'-0"



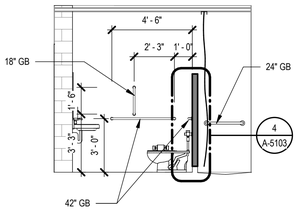
8 82 - BEDROOM PLAN - TYP
1/4" = 1'-0"



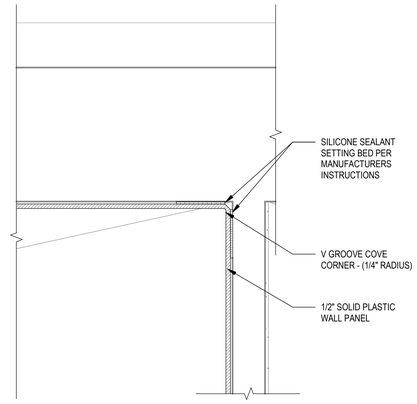
9 82 - ADA BATHROOM PLAN - TYP
1/4" = 1'-0"



10 82 - ADA BATHROOM ELEVATION - TYP
1/4" = 1'-0"



11 82 - ADA BATHROOM ELEVATION - TYP
1/4" = 1'-0"



12 82 - SOLID SURFACE PLAN DETAIL
1 1/2" = 1'-0"

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36x24 PLOT SHEET

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DESIGN & CONSTRUCTION

CONSULTANT
Engineering and Land Surveying, P.C.
ASHLEY MCGRAW

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REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

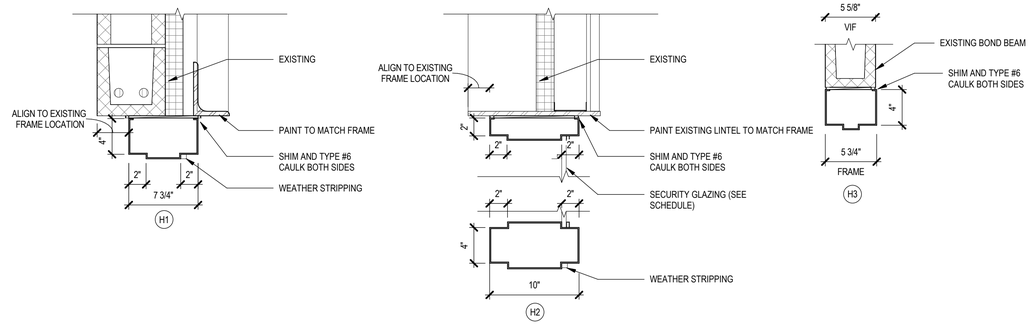
MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	RB
DRAWN BY:	BD
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 82 DETAILS

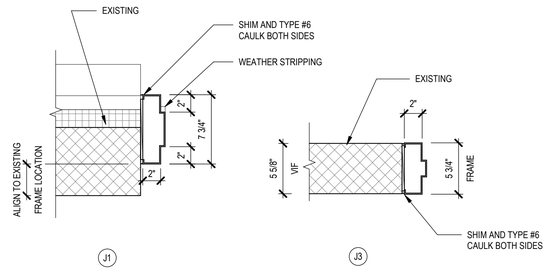
DRAWING NUMBER: A-5103

SHEET OF



1 DOOR HEAD DETAILS

1 1/2" = 1'-0"



2 DOOR JAMB DETAILS

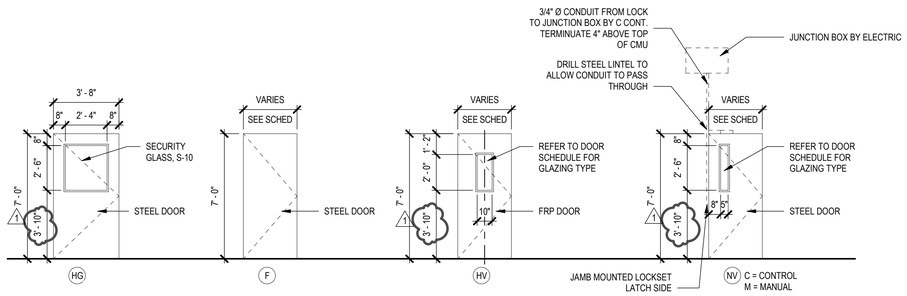
1 1/2" = 1'-0"

82 - DOOR SCHEDULE

MARK	DOOR NO	ROOM NAME	LEAF	DOOR SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME ANCHORS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	DOOR GLAZING	FRAME GLAZING	FIRE RATING	HARDWARE SET NO	HARDWARE HAND	REMARKS	DOOR NO	MARK
1	5001	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5001	1
1	5002	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5002	1
1	5003	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5003	1
1	5004	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5004	1
1	5005	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5005	1
1	5006	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5006	1
1	5007	HEAD-END ROOM	1	3' - 0"	7' - 0"	1 3/4"	F	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	5A	LH	NOTE 2 & 4	5007	1
1	5008	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5008	1
1	5009	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5009	1
1	5010	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5010	1
1	5011	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5011	1
1	5012	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5012	1
1	5013	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5013	1
1	5014	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5014	1
1	5015	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5015	1
1	5016	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5016	1
1	5017	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5017	1
1	5018	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5018	1
1	5019	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	RH	NOTE 2 & 4	5019	1
1	5020	BEDROOM	1	3' - 0"	7' - 0"	1 3/4"	NV	STL	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	6	LH	NOTE 2 & 4	5020	1
1	5022	MECHANICAL	2	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	17	RHRA	EXTERIOR, NOTE 4	5022	1
1	5023	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	5023	1
1	5024	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	LH	-	5024	1
1	5025	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	5025	1
1	5026	COUNSELING	1	3' - 0"	7' - 0"	1 3/4"	NV-M	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	S-4	-	-	2	RH	EXTERIOR, NOTE 4	5026	1
2	5026	COUNSELING	1	3' - 0"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RHR	NOTE 1	5026	2
1	5027	CONTROL	1	3' - 0"	7' - 1 1/2"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	EAL-2	-	-	-	-	-	-	-	4	RH	-	5027	1
1	5028	TOILET	1	2' - 6"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RH	NOTE 1 & 3	5028	1
1	5029	SHOWER	1	2' - 6"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RHR	-	5029	1
1	5030	SHOWER	1	2' - 6"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	LHR	-	5030	1
1	5031	BATHROOM	1	3' - 0"	7' - 0"	1 3/4"	HV	FRP	IAL-2	1	STL	IAL-3	-	H3	J3	-	S-4	-	-	7A	RH	-	5031	1
1	5032	VEST	1	3' - 8"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	RHR	NOTE 1	5032	1
2	5032	VEST	1	3' - 6"	7' - 0"	1 3/4"	HG	STL	EAL-2	2	STL	EAL-2	-	H2	J1	6" ALUM	S-10	S-10	-	1	RHR	EXTERIOR, NOTE 4	5032	2
1	5033	LAUNDRY	1	3' - 0"	7' - 0"	1 3/4"	EXSIT	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	45 MIN	9	LH	NOTE 1	5033	1
1	5034	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	EXSIT	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	90 MIN	3	LHR	NOTE 1	5034	1
1	5035	ELECTRIC	1	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	19	RHR	EXTERIOR, NOTE 4	5035	1
1	5036	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	HG	STL	EAL-2	3	STL	EAL-2	-	-	-	6" ALUM	S-10	S-10	-	1	LHR	EXTERIOR, NOTE 4	5036	1
2	5036	ENTRY	1	3' - 8"	7' - 0"	1 3/4"	EXIST	EXIST	IAL-2	EXIST	EXIST	IAL-3	-	-	-	-	-	-	-	3	LHR	NOTE 1	5036	2
1	5037	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	F	STL	EAL-2	1	STL	EAL-2	-	H1	J1	6" ALUM	-	-	-	19	LHR	EXTERIOR, NOTE 4	5037	1

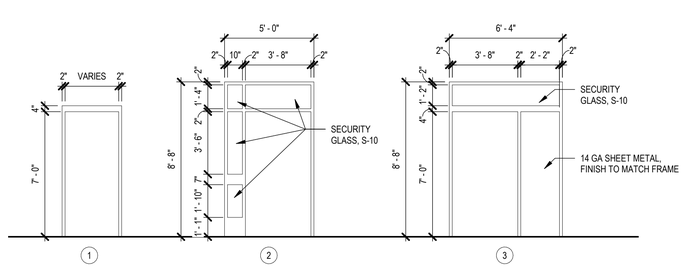
NOTES:

1. CLEAN, PREP, PRIME & PAINT EXISTING DOOR AND EXISTING DOOR FRAME. IF DOOR VISION PANEL BUYTL / SEALANT IS INDICATED TO BE REMOVED IN THE HAZARDOUS MATERIAL SURVEY REPORT, SEALANT REPLACMENT IS THE RESPONSIBILITY OF THE GENERAL [SUB]CONTRACTOR.
2. CLEAN, PREP, PRIME & PAINT EXISTING DOOR FRAME.
3. EXISTING HARDWARE TO BE CLEANED AND REUSED.
4. FIELD VERIFY EXISTING FRAME OPENING.



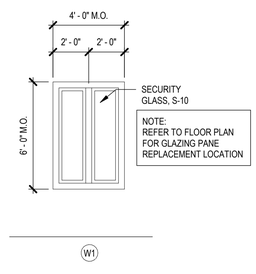
3 DOOR TYPES

1/4" = 1'-0"



4 FRAME TYPES

1/4" = 1'-0"



5 WINDOW TYPES

1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

Engineering and Land Surveying, P.C.

ASHLEY MCGRAW

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT ANDREW M. SCHUSTER 036192 STATE OF NEW YORK

CONTRACT: CONSTRUCTION

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDERN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/17	ADDENDUM 1
	08/07/17	FINAL SUBMISSION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	RB	
DRAWN BY:	BD	
FIELD CHECK:		
APPROVED:		

SHEET TITLE: BUILDING 82 DOOR SCHEDULE AND TYPES, WINDOW TYPE

DRAWING NUMBER: A-5601

SHEET OF

9/21/2017 10:12:26 AM
C:\Users\amd0015\Documents\17145-industry61+82-Central-R2017_amd0015.rvt
36x24 PLOT SHEET

GENERAL REMOVAL NOTES

1. GENERAL REMOVAL NOTES ARE TYPICAL FOR ALL REMOVAL DRAWINGS.

2. ASBESTOS, LEAD, AND/OR OTHER POTENTIALLY HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING. COORDINATE ACCORDINGLY WITH THE HAZMAT ABATEMENT CONTRACTOR'S WORK FOR ALL REMOVALS AND ALL OTHER TRADES.

3. NOTIFY DIRECTOR'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPENCIES IN THE DRAWINGS REGARDING THE REMOVAL OF POTENTIALLY LOAD BEARING STRUCTURAL ELEMENTS NOT DOCUMENTED OR DETAILED AS SUCH.

4. SEE REMOVAL KEY NOTES ON REMOVAL DRAWINGS FOR SPECIFIC REMOVALS.

5. REMOVE ITEMS LISTED/NOTED TO BE REMOVED IN THEIR ENTIRETY, UNLESS NOTED OTHERWISE.

6. AT ALL PARTITION, STRUCTURAL, AND/OR FLOOR REMOVALS PROVIDE TEMPORARY SHORING/BRACING AS REQUIRED TO MAINTAIN STABILITY AND SOUNDNESS OF EXISTING TO REMAIN CONSTRUCTION.

7. ALL REMOVALS SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER, AVOIDING DAMAGE TO ADJACENT SURFACES TO REMAIN AND TO FACILITATE THE SUBSEQUENT PATCHING AND RESTORATION OF THE SURFACES.

8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE APPROPRIATELY PROTECTED FOR THE DURATION OF THE CONSTRUCTION PERIOD. ANY DAMAGES INCURRED DURING CONSTRUCTION SHALL BE REPAIRED TO MATCH EXISTING CONSTRUCTION AND FINISHES AT THE CONTRACTOR'S EXPENSE.

9. WHEN WORKING WITH EXISTING TO REMAIN COMPONENTS THAT ARE INDICATED TO CONTAIN LEAD ON THE EXISTING HAZARDOUS MATERIAL INFORMATION SURVEYS, REPORTS, AND/OR DRAWINGS, THE CONTRACTOR SHALL IMPLEMENT PROGRAMS AND PROCEDURES WHICH COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS THAT ARE APPLICABLE TO LEAD PAINT.

10. REMOVE, PROTECT, STORE, AND RE-INSTALL ANY ITEMS AS NOTED ON THE DRAWINGS.

11. AT ALL FLOOR FINISH REMOVALS, REMOVE ALL EXISTING FLOOR FINISHES, MASTICS, MUD SET, ADHESIVES, FASTENERS, ETC. DOWN TO EXISTING CONCRETE SLAB. CONTRACTOR TO PREPARE SLAB FOR NEW FINISHES WITH COMPATABLE SLAB PREP MATERIALS.

12. AT ALL FLOOR FINISH REMOVALS AND WALL REMOVALS, INFILL AND PATCH SLAB TO MATCH EXISTING ADJACENT SLAB ELEVATION WITH NEW FLASH PATCH TRANSITION SO THAT ALL NEW FLOOR FINISHES ARE FLUSH, VERIFY IN FIELD.

13. AT ALL FLOOR FINISH REMOVALS, REMOVE EXISTING WALL BASE UNLESS NOTED OTHERWISE.

14. AT ALL EXISTING CONCRETE FLOOR SLABS THAT ARE TO RECEIVE FLOOR FINISHES, PREP SLAB SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FLOOR FINISH/ACCESSORY MANUFACTURER AND THE FLOOR FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

15. AT ALL EXISTING WALLS AND CEILINGS THAT ARE TO RECEIVE FINISHES, PREP SUBSTRATE SO AS TO PROVIDE A SURFACE THAT IS ACCEPTABLE TO THE FINISH/ACCESSORY MANUFACTURER AND THE FINISH/ACCESSORY WARRANTEES, VERIFY IN FIELD.

16. AT ALL CEILING REMOVALS, REMOVE ALL LAYERS OF EXISTING CEILINGS AND HARDWARE AND ACCESSORIES. EXISTING CEILING SYSTEM TO BE REMOVED INCLUDES BUT IS NOT LIMITED TO A METAL FRAMING SUPPORT SYSTEM, 5/8" GWB, AND AN ADHERED ACCOUSTICAL CEILING TILE SYSTEM.

17. COORDINATE ALL REMOVAL WORK WITH OVERALL PROJECT PHASING AND EXTENT OF ALL NEW WORK.

18. FIELD VERIFY ALL REMOVAL SCOPE. SOME ITEMS TO BE REMOVED MAY NOT BE REPRESENTED VISUALLY.

19. OBJECTS SHOWN ON SPECIFIC REMOVAL PLANS WITH A "DASHED" LINE ARE TO BE REMOVED IN THEIR ENTIRETY BACK TO SOUND STRUCTURE AND IN SOME CASES REMOVED TEMPORARILY FOR FUTURE RE-INSTALLATION. ADEQUATE CARE SHALL BE TAKEN TO PRESERVE ALL ADJACENT FINISHES/WALLS ETC. TO REMAIN.

20. IN LOCATIONS RECEIVING FLOORING GRIND SMOOTH & PATCH EXISTING CONCRETE FLOOR. REFER TO TO MANUFACTURERS RECOMMENDATIONS FOR FLOOR PREPARATION REQUIREMENTS.

GENERAL NOTES

1. GENERAL NOTES ARE TYPICAL FOR ALL DRAWINGS.

2. EXISTING CONDITIONS NOTED ARE AS OF SURVEY. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. RESOLVE ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS WITH THE DIRECTOR'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCY BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS SHALL BE COORDINATED AND RESOLVED BY THE CONTRACTOR.

3. DO NOT SCALE THE DRAWINGS. DIRECT DIMENSIONAL DISCREPANCIES AND QUESTIONS TO THE DIRECTOR'S REPRESENTATIVE. CENTER PARTITIONS ON COLUMNS OR MULLIONS UNLESS OTHERWISE NOTED, OR USE "EQUAL/EQUAL" AND ALIGN SURFACES TO LOCATE PARTITIONS. OBTAIN DIRECTION BEFORE PROCEEDING WITH THE WORK.

4. FIELD VERIFY DIMENSIONS FOR ALL OPENINGS FOR INFILLS, WINDOWS, DOORS, AND LOUVERS.

5. MECHANICAL/PLUMBING CHASE DIMENSIONS AT CMU CONSTRUCTION ARE TO/FROM FACE OF CMU AND INDICATE CLEAR DIMENSIONS. COORDINATE EXACT SIZE AND LOCATIONS WITH HVAC AND PLUMBING DRAWINGS.

6. INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS' INSTRUCTIONS.

7. LOCATE ALL EXISTING UTILITIES AND SERVICES PRIOR TO START OF WORK.

8. PROTECT FROM DAMAGE ALL ADJACENT AREAS AND PROPERTIES, INCLUDING BUT NOT LIMITED TO LANDSCAPING AND EXTERIOR & INTERIOR BUILDING SURFACES, FIXED-FURNITURE, SHELVING, MILLWORK, ETC.

9. AT ALL EXISTING SURFACES TO REMAIN, FULLY REPAIR AND PREPARE SURFACE TO RECEIVE FINISHES INCLUDING BUT NOT LIMITED TO FILLING HOLES, REPAIR CRACKS, REMOVE PAINT, FIX/PATCH AND REPAIR ALL UNSOUND MATERIAL, MAKING FINISHED SURFACES FLUSH AND SMOOTH WITH ADJACENT FINISHED SURFACES.

10. REPAIR AND PATCH ALL EXISTING SURFACES DAMAGED BY REMOVALS TO MATCH EXISTING ADJACENT SURFACE MATERIALS AND FINISH AND CONSTRUCTION TYPE / DEPTH.

11. METAL STUD PARTITION DIMENSIONS SHOWN ARE FROM FACE OF STUD TO FACE OF STUD UNLESS OTHERWISE NOTED. MASONRY WALL PARTITIONS ARE DIMENSIONED FACE OF MASONRY TO FACE OF MASONRY UNLESS OTHERWISE NOTED. FIELD VERIFY ALL DIMENSIONS. DIMENSIONS NOTED "CLEAR" ARE NOT TO BE ADJUSTED WITHOUT APPROVAL OF ARCHITECT. ALL DIMENSIONS ARE IN FEET AND INCHES.

12. THESE DRAWINGS ARE PREPARED AND COORDINATED WITH THE PROJECT MANUAL WHICH INCLUDES TECHNICAL SPECIFICATIONS. TOGETHER THESE FORM THE CONSTRUCTION DOCUMENTS.

13. CHALK LINE ALL PARTITION LAYOUTS AND COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO SCHEDULE REVIEW WITH ARCHITECT PRIOR TO CONSTRUCTING PARTITIONS

14. PROVIDE CONTINUOUS METAL OR FIRE TREATED WOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF ALL WALL MOUNTED EQUIPMENT, TOILET ACCESSORIES AND GRAB BARS, CABINETS, SHELVING, WOOD CHAIR RAIL, WALL BUMPERS, WALL MOUNTED HAND RAILS, WOOD BASE AND CROWN MOULDINGS.

15. PROVIDE 3/4" FRT PLYWOOD AT ALL ELECTRICAL AND TELEPHONE/COMMUNICATION/CONTROL CLOSETS. REFER TO ELECTRICAL AND TELECOM DRAWINGS FOR EXACT LOCATIONS.

16. UNLESS OTHERWISE SPECIFIED, PAINT ALL ACCESS DOORS TO MATCH ADJACENT COLOR AND PAINT TYPE.

17. PAINT ALL DOOR AND WINDOW STEEL LINTELS PAINT TYPE EAL-4 OVER ESP PRIMER.

18. PROVIDE CONTROL JOINTS AT INTERIOR CONCRETE MASONRY UNIT PARTITIONS AT 25'-0" ON CENTER MAXIMUM, OR AS INDICATED ON DRAWINGS.

19. PROVIDE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM FOR ALL GWB WALLS AND AT 50 FOOT O.C. MAXIMUM, WITH AREAS NOT TO EXCEED 2,500 SQ. FT. FOR ALL CEILINGS, OR AS INDICATED ON DRAWINGS.

20. LOCATE DOORS WITH 4" CLEAR FROM HINGE SIDE JAMB TO PERPENDICULAR WALL, UNLESS OTHERWISE NOTED.

21. DURING CONSTRUCTION, ALTERATION AND REMOVAL COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 (INTERNATIONAL FIRE CODE) CHAPTER 33, (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.)

22. DURING CONSTRUCTION, ALTERATION AND REMOVALS, COMPLY WITH THE REQUIREMENTS OF THE IFC 2015 CHAPTER 3, SECTION 307 AND 308 (OPEN BURNING AND OPEN FLAMES).

23. PARTITION TYPES ARE REFERENCED ON THE CONSTRUCTION PLANS AND ARE DESCRIBED ON THE INTERIOR PARTITION TYPES SHEET.

24. ALL NEW PARTITIONS TO TERMINATE AT UNDERSIDE OF SLAB OR DECK ABOVE, UNLESS NOTED OTHERWISE.

25. ALL EXISTING CONDITIONS DAMAGED FROM EQUIPMENT REMOVAL TO BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING.

26. ALL INTERIOR DOOR FRAMES TO BE INSTALLED WITHIN CMU WALLS TO BE NON-GROUTED UNLESS NOTED OTHERWISE.

27. PROVIDE ALL PRESSURE TREATED WOOD BLOCKING AND SHIMS AS REQUIRED FOR SUPPORT AND INSTALLATION OF WINDOWS AND DOORS.

28. PROVIDE CONTINUOUS FULL DEPTH FIBERGLASS BATT INSULATION IN THE VOIDS BETWEEN WINDOWS AND DOORS AND THE WALL CONSTRUCTION.

29. PROVIDE CONTINUOUS SEALANT AT ALL JOINTS WHERE NEW WINDOW AND DOOR FRAMES BUTT INTO THE WALL CONSTRUCTION.

30. PROVIDE CONTINUOUS TYPE 6 SECURITY SELANT UNLESS NOTED OTHERWISE.

SEALANT SCHEDULE

TYPE	USE / APPLICATION
1	AT EXTERIOR ENVELOPE JOINT CONDITIONS SUCH AS WINDOW, LOUVER, DOOR FRAME, & MASONRY CONTROL JOINTS / EXPANSION JOINTS AND OTHER SIMILIAR.
1A	AT INTERSECTION OF EXTERIOR CONCRETE WALKS & BUILDING FACADE / FOUNDATION.
5	AT INTERIOR SMOKE PARTITIONS - REFER TO CODE COMPLIANCE DRAWINGS FOR SMOKE PARTITIONS.
6	AT TYPICAL INTERIOR LOCATIONS NOT INDICATED HERE AS ANOTHER SEALANT TYPE.
8	AT AIR GAPS AROUND WINDOWS FRAMES, DOOR FRAMES, ROUGH OPENINGS, AND/OR AS INDICATED ON THE DRAWINGS.

ARCHITECTURAL ABBREVIATIONS

A	
AAF	ABOVE ACCESS FLOOR
ABV	ABOVE
ACCES	ACCESSIBLE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN, ACCESS DOOR
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFL	ACCESS FLOOR(ING)
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURE (URE,URAL)
AS	ABOVE SLAB
ASPH	ASPHALT
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
B/C	BOTTOM OF CURB
BALC	BALCONY
BD	BOARD
BEL	BELOW
BET	BETWEEN
BKBD	BACKBOARD
BLDG	BUILDING
BLKG	BLOCKING
BLKHD	BULKHEAD
BM	BEAM
BOD	BASIS OF DESIGN
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMT	BASEMENT
BUR BYD	BUILT-UP ROOF BEYOND
C	CONDUIT
CAB	CABINET
CAP	CAPACITY
CAT	CATALOG
CB	CATCH BASIN
CEM	CEMENT
CF	CUBIC FOOT
CI	CAST IRON
CJ	CONTROL JOINT
CLG	CEILING (SEE ALSO MECH ABBREVIATIONS)
CLL	CONTRACT LIMIT LINE
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT

CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENS(ATE,ER,ING,ATION)
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINU(OUS,ATION)
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CW	COLD WATER
CWR	COLD WATER RETURN
CY	CUBIC YARD
CYL	CYLINDER
DET	DETAIL
DRWR	DRAWER
DS	DOWNSPOUT
DWGS	DRAWINGS
EF	EXHAUST FAN
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLO(ES,SURE)
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPX	EPOXY
EQ	EQUAL
EQUIP/EQPT	EQUIPMENT
ETR	EXISTING TO REMAIN
ETRL	EXISTING TO BE RELOCATED
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
F/C	FLOOR TO CEILING
FAI	FRESH AIR INTAKE
FB	FOILBACKED
FBR	FABRIC
FD	FLOOR DRAIN, FIRE DAMPER
FDN, FOUND	FOUNDATION
FDVC	FIRE DEPT. VALVE CABINET
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FIN	FINISH(ED)
FL FLR	FLOOR
FLAM	FLAMMABLE
FLOUR	FLOURECENT
FO	FIBER OPTIC(S)

FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOP	FACE OF PILASTER
FP	FIRE PROTECTION, FILLER PANEL
FRT	FIRE RETARDANT TREAT(ED,MENT)
FS	FLOOR SINK
FSACCP	FLAT SEAM ALLOY - COATED COPPER PANEL
FT	FEET, FOOT, FULL TIME
FTG	FOOTING
GC	GENERAL CONTRACTOR
HTR	HEATER
HVAC	HEATING,VENTILATION, AIR CONDITIONING
HW	HOT WATER
HWD	HARDWOOD
HWR	HOT WATER RETURN
I.E.	THAT IS
ID	INSIDE DIAMETER
IN	INTERIOR
INV	INVERT(ED)
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
JG	JAMB GUARD
JT	JOINT
JTS	JOINTS
KS	KNEE SPACE, KICK SPACE
LAM	LAMINATED
LAV	LAVATORY
LGMF	LIGHT GAUGE METAL FRAMING
LIN	LINEN
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
MB	MARKER BOARD
MEJ	MASONRY EXPANSION JOINT
MTD	MOUNT(ED)
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OPG	OPENING

OPP	OPPOSITE
OZ	OUNCE
P	POLE
PB	PULL BOX
PCC	PRECAST CONCRETE
PD	PRESSURE DROP
PH	PHASE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POLY	POLYCARBONATE
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTICION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R_	RISER LINE
RAD	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
RESIL	RESILIENT
RLE	RELOCATE EXISTING
RM	ROOM
RTU	ROOF TOP UNIT
S&R	SHELF & ROD
SB	SMART BOARD
SC	SPECIAL COATING, SOLID CORE
SD	SOAP DISPENSER
SF	SQUARE FOOT/FEET
SG	SAFTEY GLASS
SHT	SHEET
SIM	SIMILAR
SLD	SEALED
SOG	SLAB ON GRADE
SP	SUMP PUMP
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
ST	STORM SEWER, STONE, STAIN
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCUR(E, AL)

SUSP	SUSPEND(ED)
SYS	SYSTEM
T	THREAD
T&B	TOP & BOTTOM
T&G	TOUNGE & GROOVE
T/	TOP OF
T/C	TOP OF CONCRETE
T/F	TOP OF FRAME
T/S	TOP OF STEEL
T/W	TOP OF WALL
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZO
THK	THICK
THR	THRESHOLD
TOIL	TOILET
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERUPTABLE POWER SUPPLY
UTIL	UTILITY
VAR	VARIABLE
VB	VINYL BASE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FEILD
VIN	VINYL
VT	VAPOR TIGHT
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WIDE, WIDTH, WATER
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WATERPROOF
WT	WEIGHT
WTC	WATER COOLER
WTR	WATER

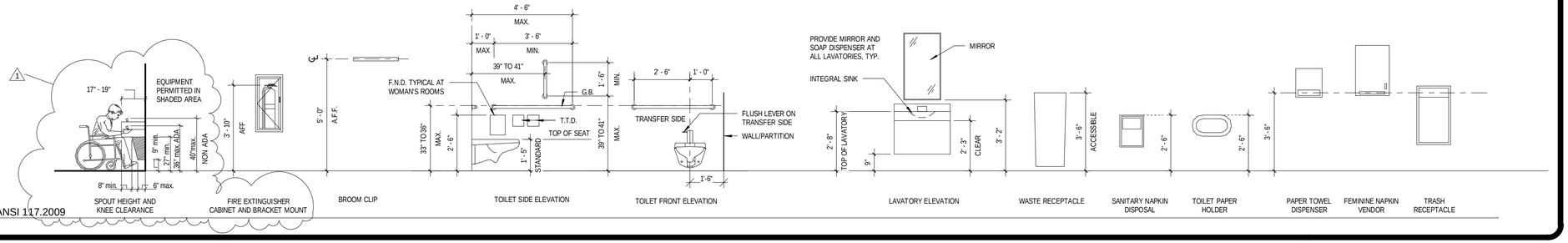
NAME
S.F. — ROOM NAME & NUMBERS
— DOOR NUMBERS
A1 — COLUMN NUMBERS
00.00 — ELEVATION TARGET
— WINDOW/ LOUVER TYPE
— REVISION NUMBER

— WALL/ PARTITION TYPES
CPT-1 — MATERIAL KEY NOTE
— CONSTRUCTION KEY NOTE
FB — FLOOR BOX
FD — FLOOR DRAIN
? — CASEWORK TAG
? — EQUIPMENT TAG

	EXISTING TO BE REMOVED	EXISTING TO REMAIN	WORK
WALL			
DOOR			
WINDOW			
CASEWORK			
MILLWORK			
OPENING			
SINK			

- ALUMINUM
- BATT INSULATION
- BRICK
- COMPACTED BACKFILL
- CONCRETE
- CONCRETE MASONRY UNITS
- EARTH
- FINISH WOOD
- GLASS IN ELEVATION
- GRANDULAR FILL
- GYPSUM WALL BOARD OR GROUT
- PARTICLE BOARD / FIBER BOARD
- PLYWOOD
- RIGID INSULATION / ROOF INSULATION
- ROUGH WOOD BLOCKING (CONTINUOUS)
- ROUGH WOOD BLOCKING (INTERRUPTED)
- STEEL
- STONE (CUT OR CAST)

2 TYPICAL SYMBOLS & ABBREVIATIONS
1/8" = 1'-0"



1 TYP MOUNTING HEIGHTS & ADA-ANSI 117.2009
3/8" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

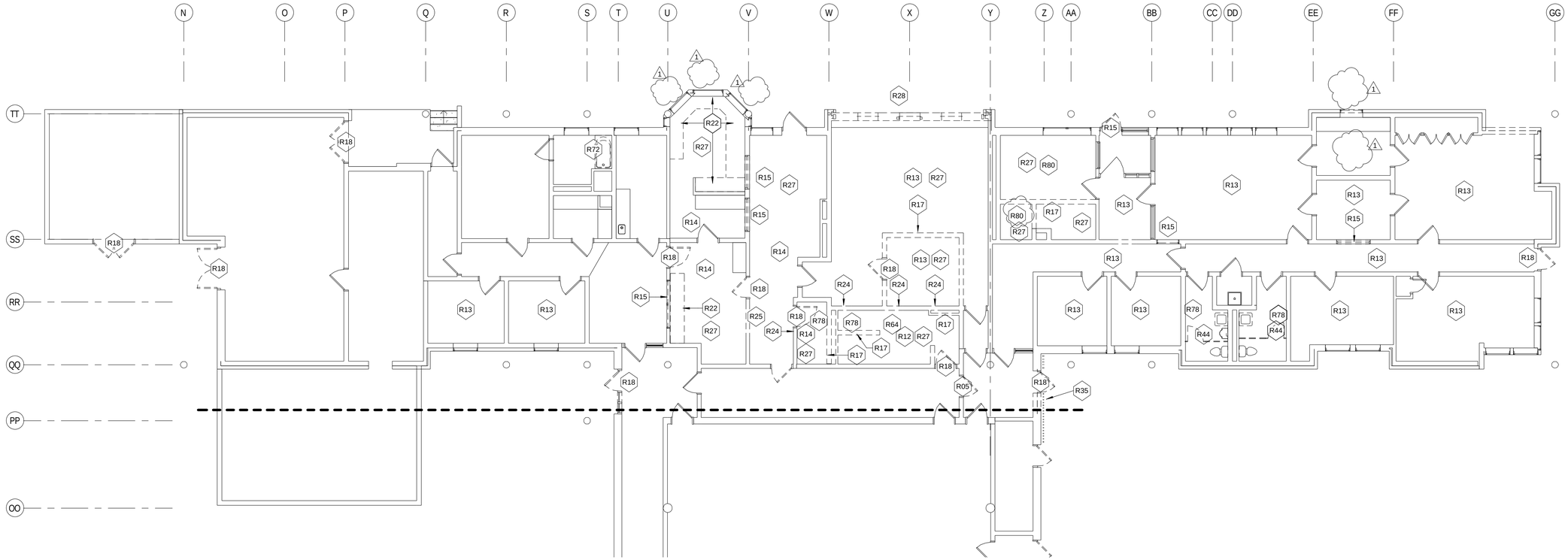
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	SAR
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90
TYPICAL SYMBOLS & ABBREVIATIONS

DRAWING NUMBER:
A - 6001

SHEET OF



1 LEVEL 1 REMOVAL PLAN - WEST
1/8" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R10	EXISTING DOOR OR WINDOW FRAME TO REMAIN, REMOVE WIRE GLASS.
R12	REMOVE EXISTING TILE AND GROUT. SANDBLAST CMU WALL, GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED TO ENSURE GROUT IS REMOVED
R13	REMOVE EXISTING CARPET AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
R14	REMOVE EXISTING VCT AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
R15	REMOVE WINDOW AND ALL ASSOCIATED HARDWARE IN THEIR ENTIRETY.
R17	REMOVE PORTION OF INTERIOR CMU WALL TO THE EXTENT SHOWN. GRIND AND GROUT EXPOSED CMU EDGES FLUSH.
R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R20	REMOVE EXISTING METAL SHELVING UNIT AND ALL ASSOCIATED HARDWARE. RETURN TO DIRECTOR'S REPRESENTATIVE FOR REUSE/REINSTALLATION ELSEWHERE IN PROJECT.
R22	REMOVE EXISTING CASEWORK AND/OR COUNTERTOP IN ITS ENTIRETY. EXISTING ROLLING DOOR TO REMAIN.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R26	REMOVE EXISTING RAISED SLAB. GRIND FLUSH WITH EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM.
R27	REMOVE EXISTING CEILING SYSTEM IN ITS ENTIRETY.
R28	REMOVE EXISTING EXTERIOR WALL ASSEMBLY IN ITS ENTIRETY INCLUDING EXISTING DOOR & FRAME AND WINDOW SYSTEMS.
R35	REMOVE EXISTING PLYWOOD SIDING AND ALL FASTNERS OR ATTACHMENT DEVICES. WOOD FRAMING AND SUBSTRATE TO REMAIN.
R43	REMOVE EXISTING WALL MATS AND ALL ASSOCIATED ANCHORING DEVICES.
R44	REMOVE EXISTING TOILET PARTITIONS IN THEIR ENTIRETY.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
R64	REMOVE EXISTING WALL TILE IN ITS ENTIRETY. DO NOT DAMAGE EXISTING WALL SURFACE OR SUBSTRATE TO REMAIN.
R70	REMOVE DOOR AND HARDWARE, RETAIN EXISTING FRAME
R71	REMOVE EXISTING METAL STUD AND GWB PARTITION IN ITS ENTIRETY.
R72	REMOVE BATHTUB AND CERAMIC TILE SURROUND
R73	REMOVE DESK
R78	REMOVE EXITING TOILET FIXTURES INCLUDING GRAB BARS, TISSUE DISPENSERS, PAPER DISPENSERS, MIRRORS, HAND DRYERS
R80	REMOVE EXISTING MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED

REMOVAL SYMBOLS LEGEND

- EXISTING CMU WALL TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 17)
- EXISTING DOOR AND FRAME SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 18)
- EXISTING WINDOW SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 25)
- EXISTING CASEWORK AND/OR MILLWORK TO BE REMOVED (REFER TO REMOVAL KEYNOTE R22)
- EXIST WALL TO REMAIN
- WALL
- EXIST DOOR TO REMAIN
- DOOR AND FRAME SYSTEM
- EXIST WINDOW TO REMAIN
- WINDOW SYSTEM

GENERAL REMOVAL NOTE:

1. REMOVE GLAZING IN DOORS, SIDELIGHTS, AND WINDOWS WHERE GLAZING REPLACEMENT IS IDENTIFIED IN DOORS SCHEDULE ON SHEET A-6601 AND WINDOW SCHEDULE ON SHEET A-6611

2. REMOVE ALL MARKER BOARDS AND TACK BOARDS FROM WALLS. ASSUME (22) 4'x8' MARKER BOARDS AND (22) 4'x4' TACKBOARDS

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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WARNING

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REGISTERED ARCHITECT DAVID L. CLEMENT 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

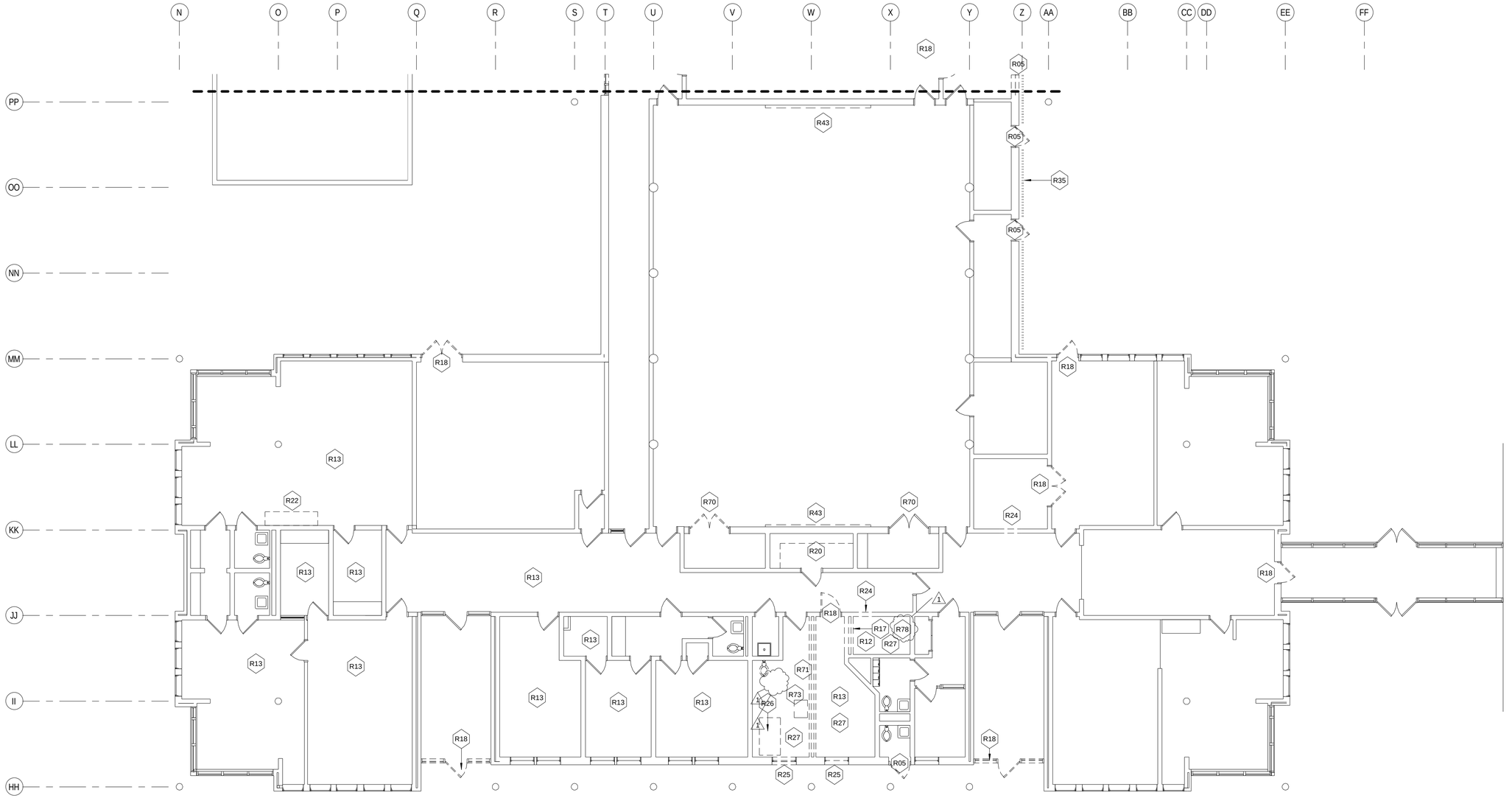
CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	RM	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 90
LEVEL 1 REMOVAL PLAN - WEST

DRAWING NUMBER:
A - 6101

SHEET OF



1 LEVEL 1 REMOVAL PLAN - EAST
1/8" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
R05	REMOVE EXISTING EXTERIOR STEEL DOOR AND ALL ASSOCIATED HARDWARE
R10	EXISTING DOOR OR WINDOW FRAME TO REMAIN, REMOVE WIRE GLASS.
R12	REMOVE EXISTING TILE AND GROUT. SANDBLAST CMU WALL, GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED TO ENSURE GROUT IS REMOVED
R13	REMOVE EXISTING CARPET AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
R14	REMOVE EXISTING VCT AND MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED
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R18	REMOVE EXISTING DOOR AND FRAME AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
R20	REMOVE EXISTING METAL SHELVING UNIT AND ALL ASSOCIATED HARDWARE. RETURN TO DIRECTOR'S REPRESENTATIVE FOR REUSE/REINSTALLATION ELSEWHERE IN PROJECT.
R22	REMOVE EXISTING CASEWORK AND/OR COUNTERTOP IN ITS ENTIRETY. EXISTING ROLLING DOOR TO REMAIN.
R24	REMOVE MASONRY WALL AS REQUIRED FOR DOOR & LINTELED FRAME.
R25	REMOVE EXISTING STEEL WINDOW SYSTEM.
R26	REMOVE EXISTING RAISED SLAB. GRIND FLUSH WITH EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM.
R27	REMOVE EXISTING CEILING SYSTEM IN ITS ENTIRETY.
R28	REMOVE EXISTING EXTERIOR WALL ASSEMBLY IN ITS ENTIRETY INCLUDING EXISTING DOOR & FRAME AND WINDOW SYSTEMS.
R35	REMOVE EXISTING PLYWOOD SIDING AND ALL FASTNERS OR ATTACHMENT DEVICES. WOOD FRAMING AND SUBSTRATE TO REMAIN.
R43	REMOVE EXISTING WALL MATS AND ALL ASSOCIATED ANCHORING DEVICES.
R44	REMOVE EXISTING TOILET PARTITIONS IN THEIR ENTIRETY.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
R64	REMOVE EXISTING WALL TILE IN ITS ENTIRETY. DO NOT DAMAGE EXISTING WALL SURFACE OR SUBSTRATE TO REMAIN.
R70	REMOVE DOOR AND HARDWARE, RETAIN EXISTING FRAME
R71	REMOVE EXISTING METAL STUD AND GWB PARTITION IN ITS ENTIRETY.
R72	REMOVE BATHTUB AND CERAMIC TILE SURROUND.
R73	REMOVE DESK.
R78	REMOVE EXITING TOILET FIXTURES INCLUDING GRAB BARS, TISSUE DISPENSERS, PAPER DISPENSERS, MIRRORS, HAND DRYERS
R80	REMOVE EXISTING MASTIC. GRIND AND PREPARE EXISTING CONCRETE SLAB THROUGHOUT THE ENTIRE ROOM FOR FINISH AS SCHEDULED

REMOVAL SYMBOLS LEGEND

- EXISTING CMU WALL TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 17)
- EXISTING DOOR AND FRAME SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 18)
- EXISTING WINDOW SYSTEM TO BE REMOVED U.N.O. (REFER TO REMOVAL KEYNOTE 25)
- EXISTING CASEWORK AND/OR MILLWORK TO BE REMOVED (REFER TO REMOVAL KEYNOTE R22)

EXIST WALL TO REMAIN | WALL
EXIST DOOR TO REMAIN | DOOR AND FRAME SYSTEM
EXIST WINDOW TO REMAIN | WINDOW SYSTEM

GENERAL REMOVAL NOTE:

1. REMOVE GLAZING IN DOORS, SIDELIGHTS, AND WINDOWS WHERE GLAZING REPLACEMENT IS IDENTIFIED IN DOORS SCHEDULE ON SHEET A-6601 AND WINDOW SCHEDULE ON SHEET A-6611

2. REMOVE ALL MARKER BOARDS AND TACK BOARDS FROM WALLS. ASSUME (22) 4'x8' MARKER BOARDS AND (22) 4'x4' TACKBOARDS

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

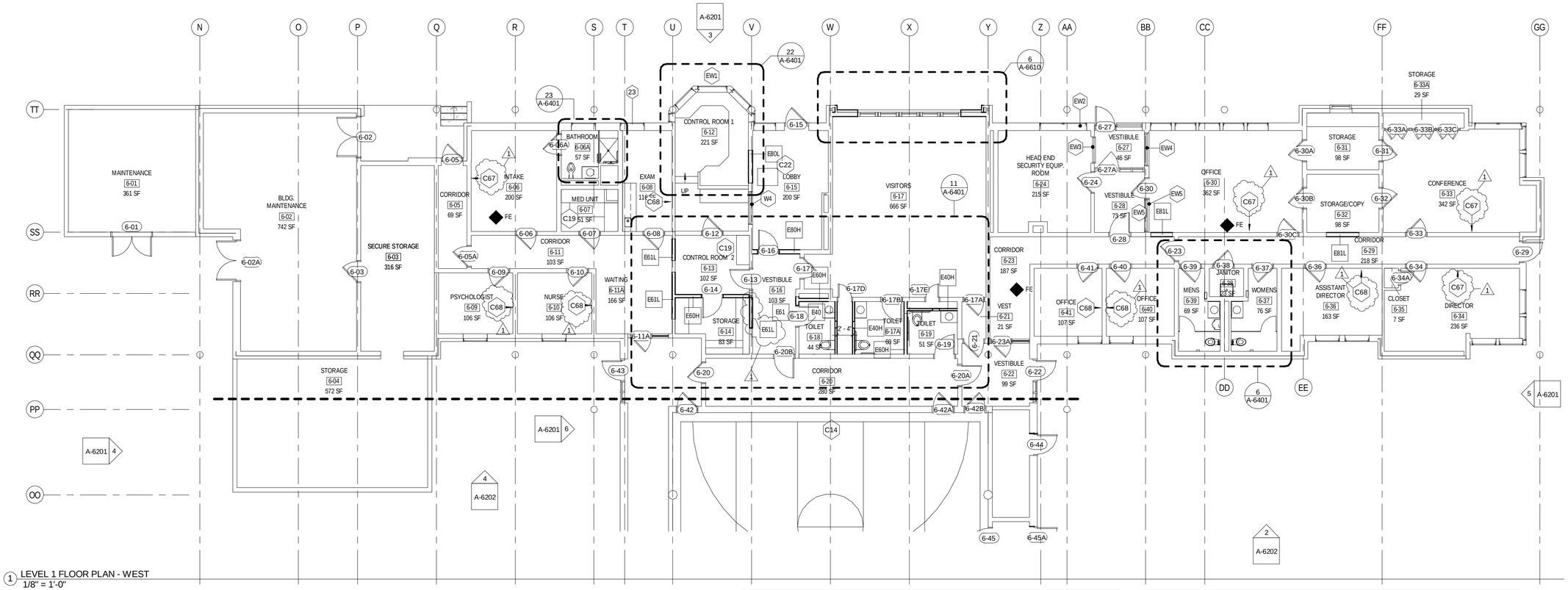
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	RM
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90
LEVEL 1 REMOVAL PLAN - EAST

DRAWING NUMBER:
A - 6102

SHEET OF



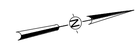
1 LEVEL 1 FLOOR PLAN - WEST
1/8" = 1'-0"

CONSTRUCTION KEYNOTE LEGEND	
Key Value	Keynote Text
C01	REPAIR CONCRETE SLAB CRACK AND FILL VOID PRIOR TO INSTALLATION OF FINISH FLOOR MATERIAL. CRACK APPROXIMATELY 50 FT. IN LENGTH.
C04	REFINISH WOOD FLOORS AND PROVIDE STRIPING PATTERN TO MATCH EXISTING
C05	INFILL MATCHING WOOD LAMINATE FLOOR MATERIAL
C10	REPLACE GLAZING IN EXISTING WINDOW FRAME TYPE S-4 9 (NON-FIRE RATED)
C13	ENSURE DOOR SWING CLEARANCE BY RECONFIGURING ALUMINUM FRAMING OF GREENHOUSE

CONSTRUCTION KEYNOTE LEGEND	
Key Value	Keynote Text
C14	WALL MATS BEHIND BASKETBALL GOAL. (24 UNITS TOTAL, EACH 24" X 84"). RECESS IN PANELS TO ACCOMMODATE UP TO 4 ELECTRICAL RECEPTACLES.
C15	CLEAN MASONRY TO REMOVE MOSS, MOLD AND EFFLORESCENCE ON MASONRY
C19	SOLID SURFACE COUNTERTOP
C22	WALK THROUGH METAL DETECTOR, REFER TO E CONTRACT
C23	SECURE STAINLESS STEEL PANELS, APPROX. AREA 12'-0" LONG X 6'-0" HIGH. REPLACE STAINLESS STEEL TRIM AT BULKHEAD, APPROX. 12'-0" LONG X 1'-0" WIDE.
C67	PROVIDE 4'x8' MARKER BOARD AND 4'x4' TACK BOARD IN CLASSROOMS. MOUNT BOTTOM 2'-8" AFF.
C68	PROVIDE 4'x4' MARKER BOARD AND 2'x4' TACK BOARD IN OFFICES. MOUNT BOTTOM AT 2'-8" AFF.

1





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NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

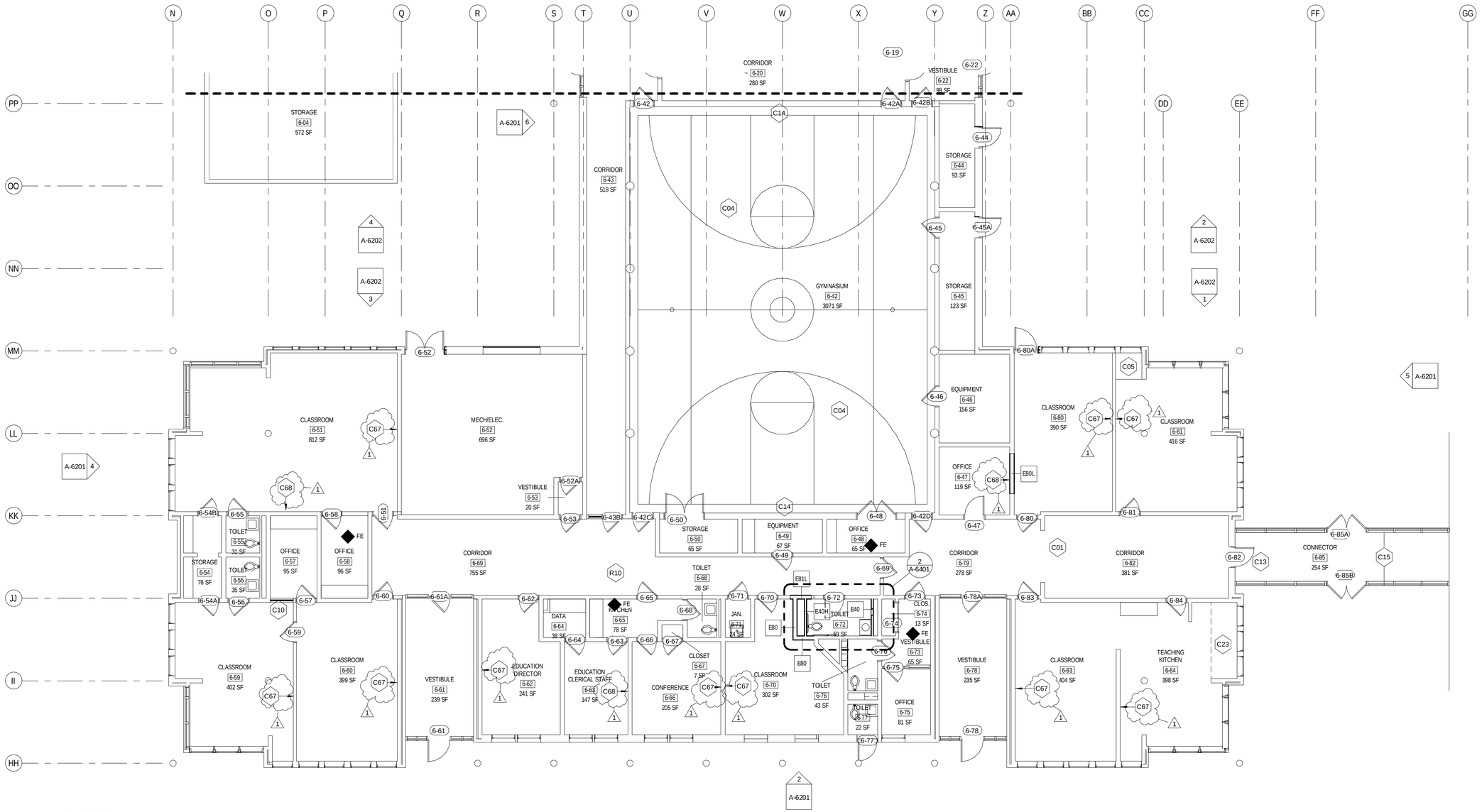
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	RM
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90
LEVEL 1 FLOOR PLAN - WEST

DRAWING NUMBER:
A - 6105

SHEET OF



1 LEVEL 1 FLOOR PLAN - EAST
1/8" = 1'-0"

CONSTRUCTION KEYNOTE LEGEND	
Key Value	Keynote Text
C01	REPAIR CONCRETE SLAB CRACK AND FILL VOID PRIOR TO INSTALLATION OF FINISH FLOOR MATERIAL. CRACK APPROXIMATELY 50 FT. IN LENGTH.
C04	REFINISH WOOD FLOORS AND PROVIDE STRIPING PATTERN TO MATCH EXISTING
C05	INFILL MATCHING WOOD LAMINATE FLOOR MATERIAL
C10	REPLACE GLAZING IN EXISTING WINDOW FRAME TYPE S-4 9 (NON-FIRE RATED)
C13	ENSURE DOOR SWING CLEARANCE BY RECONFIGURING ALUMINUM FRAMING OF GREENHOUSE

CONSTRUCTION KEYNOTE LEGEND	
Key Value	Keynote Text
C14	WALL MATS BEHIND BASKETBALL GOAL. (24 UNITS TOTAL, EACH 24" X 84"). RECESS IN PANELS TO ACCOMMODATE UP T O 4 ELECTRICAL RECEPTACLES.
C15	CLEAN MASONRY TO REMOVE MOSS, MOLD AND EFFLORESCENCE ON MASONRY
C19	SOLID SURFACE COUNTERTOP
C22	WALK THROUGH METAL DETECTOR, REFER TO E CONTRACT
C23	SECURE STAINLESS STEEL PANELS, APPROX. AREA 12'-0" LONG X 6'-0" HIGH. REPLACE STAINLESS STEEL TRIM AT BULKHEAD, APPROX. 12'-0" LONG X 1'-0" WIDE.
C67	PROVIDE 4'x8' MARKER BOARD AND 4'x4' TACK BOARD IN CLASSROOMS. MOUNT BOTTOM 2'-8" AFF.
C68	PROVIDE 4'x4' MARKER BOARD AND 2'x4' TACK BOARD IN OFFICES. MOUNT BOTTOM AT 2'-8" AFF.



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NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

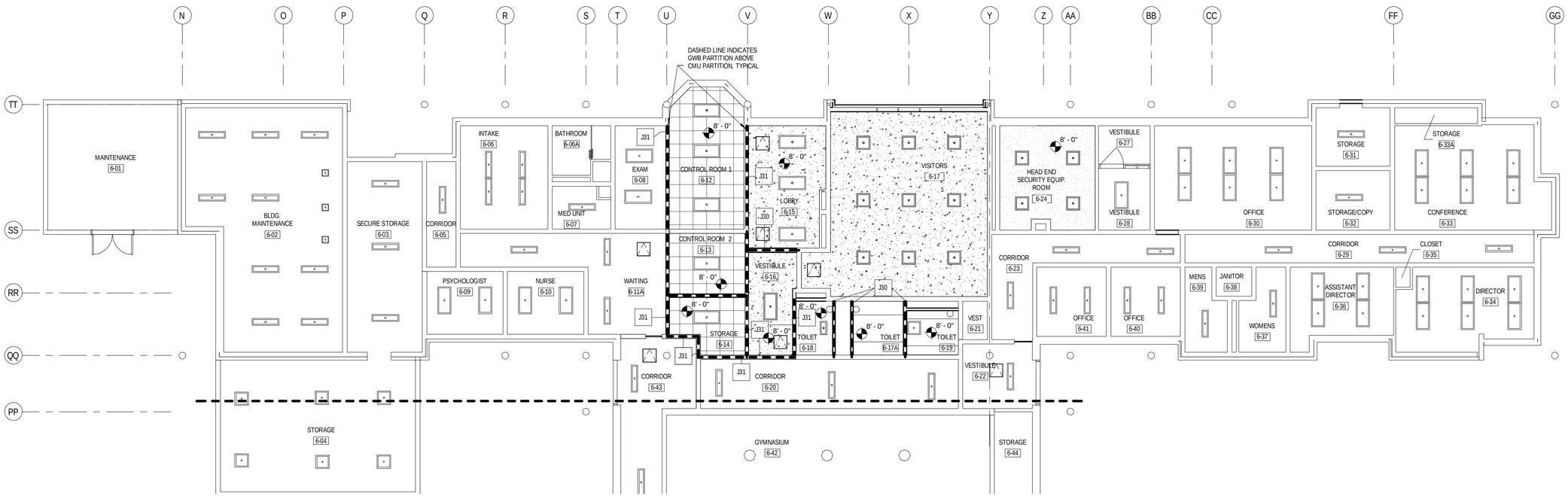
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	RM
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90
LEVEL 1 FLOOR PLAN - EAST

DRAWING NUMBER:
A - 6106

SHEET OF



1 A01 - LEVEL 1 - WEST
1/8" = 1'-0"

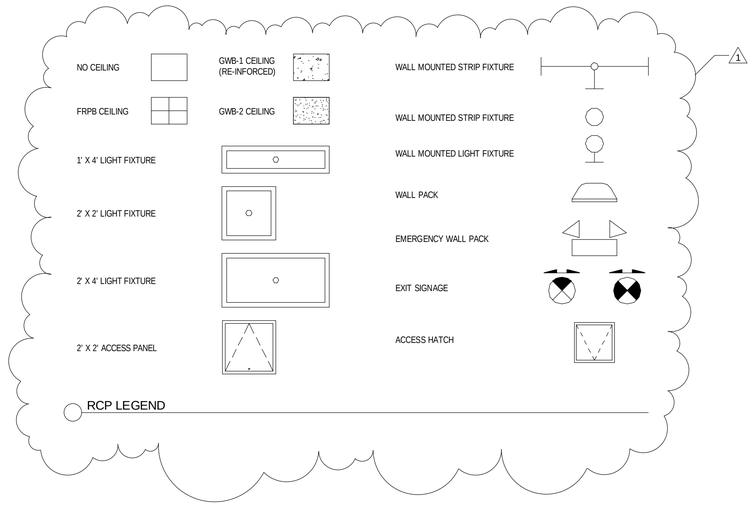
NOTES:
1. CONTRACTOR'S OPTION: GWB-1 CAN BE REPLACED WITH A "SUSPENDED METAL PANEL CEILING SYSTEM".

2. ALL GWB CEILINGS TO BE PAINTED AL-2

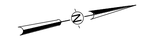
3. REPAIR 125 SF OF SAGGING OR LOOSE 12" X 12" ACOUSTICAL CEILING TILE LOCATED IN MULTIPLE LOCATIONS. COORDINATE EXACT LOCATIONS WITH DIRECTOR'S REPRESENTATIVE.

4. PATCH 100 SF OF 12" X 12" ACOUSTICAL CEILING TILE ACROSS MULTIPLE LOCATIONS WITH NEW TILE TO MATCH EXISTING. COORDINATE EXACT LOCATIONS WITH DIRECTOR'S REPRESENTATIVE.

5. COORDINATE EXACT LOCATION OF ACCESS PANELS IN THE FIELD WITH DIRECTOR'S REPRESENTATIVE.







36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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EYP/

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	RM
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90
LEVEL 1 REFLECTED CEILING PLAN - WEST

DRAWING NUMBER:
A - 6107

SHEET OF



1 01 - LEVEL 1 - E
1/8" = 1'-0"

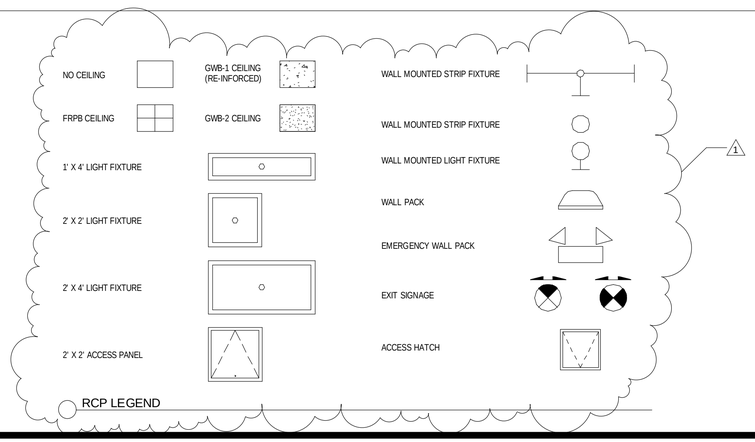
NOTES.
1. CONTRACTOR'S OPTION: GWB-1 CAN BE REPLACED WITH A "SUSPENDED METAL PANEL CEILING SYSTEM".

2. ALL GWB CEILINGS TO BE PAINTED AL-2

3. REPAIR 125 SF OF SAGGING OR LOOSE 12" X 12" ACOUSTICAL CEILING TILE LOCATED IN MULTIPLE LOCATIONS. COORDINATE EXACT LOCATIONS WITH DIRECTOR'S REPRESENTATIVE.

4. PATCH 100 SF OF 12" X 12" ACOUSTICAL CEILING TILE ACROSS MULTIPLE LOCATIONS WITH NEW TILE TO MATCH EXISTING. COORDINATE EXACT LOCATIONS WITH DIRECTOR'S REPRESENTATIVE.

5. COORDINATE EXACT LOCATION OF ACCESS PANELS IN THE FIELD WITH DIRECTOR'S REPRESENTATIVE.



RCP LEGEND

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

EYP/

WARNING

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

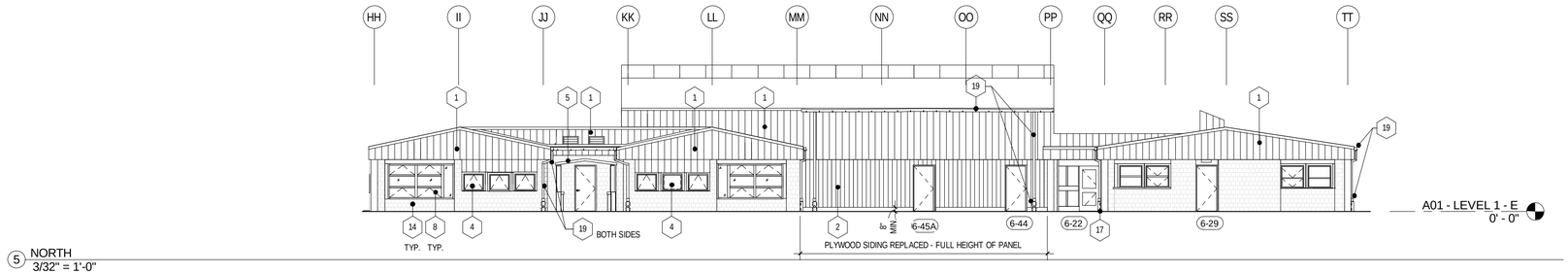
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	RM
FIELD CHECK:	
APPROVED:	

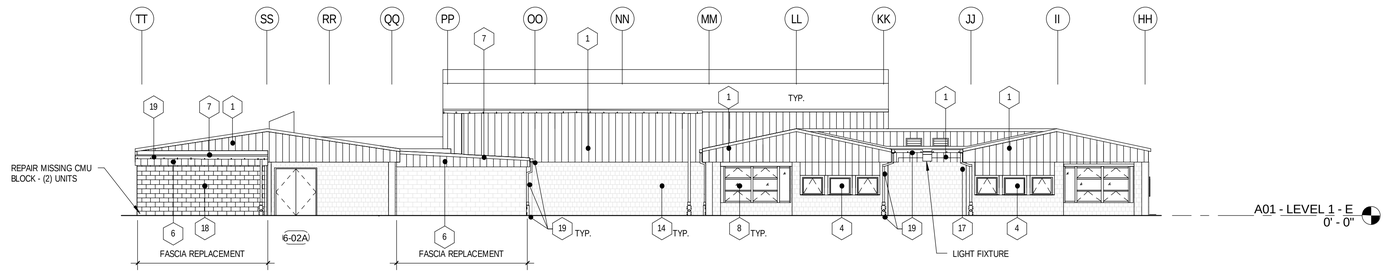
SHEET TITLE:
BUILDING 90
LEVEL 1 REFLECTED CEILING PLAN - EAST

DRAWING NUMBER:
A - 6108

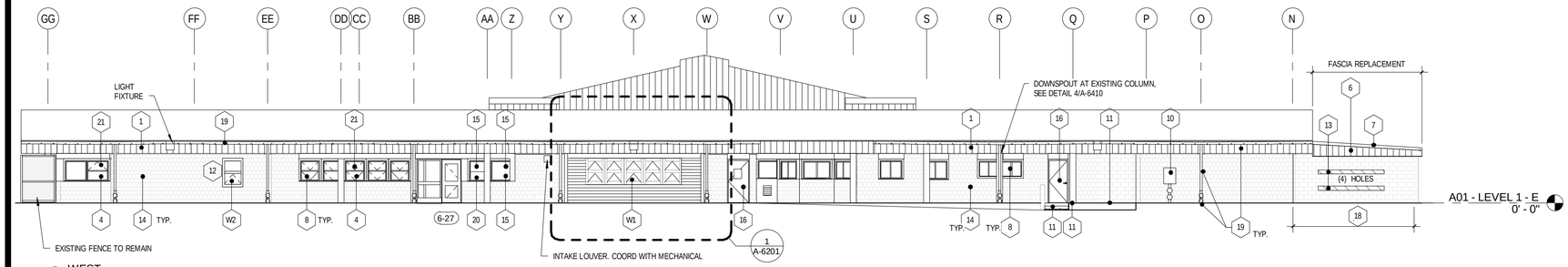
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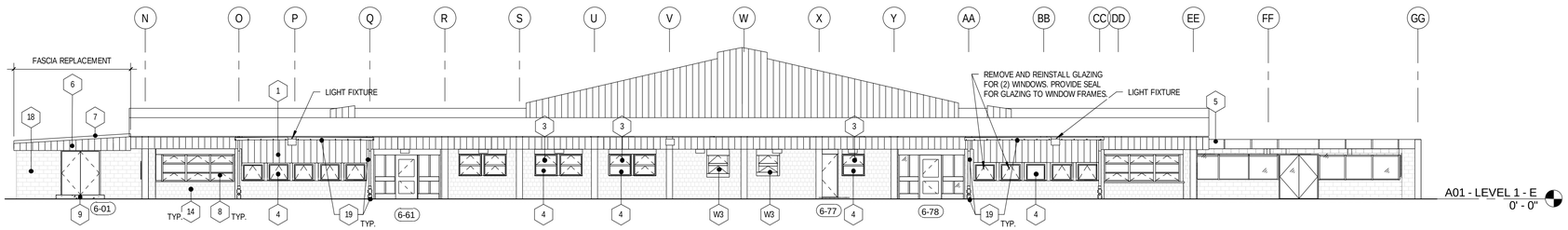
5 NORTH
3/32" = 1'-0"



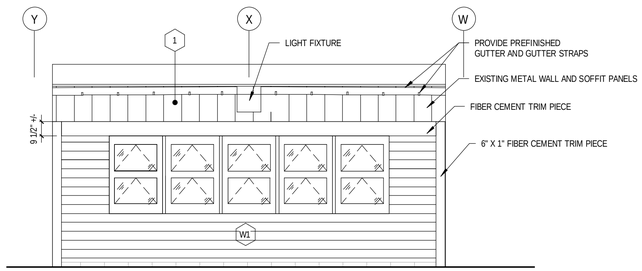
4 SOUTH
3/32" = 1'-0"



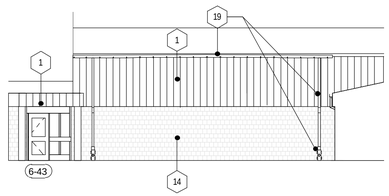
3 WEST
3/32" = 1'-0"



2 EAST
3/32" = 1'-0"



1 PARTIAL WEST ENLARGED ELEVATION
1/4" = 1'-0"



6 PARTIAL SOUTH ELEVATION
3/32" = 1'-0"

1. CLEAN EXISTING METAL FASCIA AND METAL WALL PANELS
2. PLYWOOD SIDING. PROVIDE SEALANT WHERE SIDING MEETS ADJACENT SURFACE AND FLASHING ALONG ENTIRE LENGTH OF BASE. PAINT EAL-1 AND PROVIDE FLASHING.
3. PROVIDE SECURITY SCREENS AT ALL OPERABLE WINDOWS. PLACE ON INTERIOR SIDE OF EXISTING WINDOW, TYPICAL, UNO. SEE WINDOW TYPE EW-6 FOR DETAILS.
4. EXISTING WINDOW AC UNITS TO REMAIN, OR TO BE PROVIDED BY OWNER, TYP. PLYWOOD SURROUND TO REMAIN. PAINT PLYWOOD EAL-1.
5. CLEAN MOLD FROM EXISTING CONNECTOR BUILDING GLASS ROOF AMD MASONRY WALLS
6. METAL WALL PANEL FASCIA - SEE ROOF DETAILS.
7. METAL FASCIA - SEE ROOF DETAILS
8. EXISTING WINDOW - TYP.
9. REPAIR EXISTING CONCRETE RAMP W/ RESTORATION MORTAR
10. PAINT METAL SHIELD - EAL-4
11. CLEAN AND SEAL LOADING DOCK CONC SLAB. REPAIR CONC STAIR TREADS, APPLY SEALANT AT BASE OF CONCRETE COLUMN TO CONCRETE SLAB
12. PROVIDE WINDOW SEALANT AT ALL EXISTING WINDOW SURROUNDS
13. PATCH AND REPAIR HOLES IN CMU WITH MORTAR, REPAINT CMU
14. EXISTING MASONRY WALL TO REMAIN - DECORATIVE SCORED UNITS WITH 8X8 PATTERN
15. DECORATIVE FILM OVERLAY ON INTERIOR GLAZING
16. PAINT EXISTING DOOR & FRAMES
17. REPOINT 10 SF. OF MASONRY WALL W/ MATCHING COLOR MORTAR AT JOINTS
18. PAINT EXISTING CMU - 8"X8"X16" UNITS.
19. PROVIDE PREFINISHED 5" X 5" NOM. ALUMINUM GUTTER, 4" X 3" PREFINISHED ALUMINUM DOWNSPOUT, DOWNSPOUT SHROUD AND DOWNSPOUT BOOT AT GRADE. COORDINATE WORK WITH SITE / CIVIL DRAWINGS. SEE DWG. A-6410 FOR DETAILS.
20. REMOVE EXISTING WINDOW AC UNIT AND PLYWOOD INFILL. INFILL OPENING WITH INSULATED METAL PANEL, SEALANT AND NEW PANEL STOPS. PROVIDE EXTERIOR SECURITY SCREEN FOR WINDOW TO MATCH ADJACENT SCREEN FRAME AND COLOR
21. PROVIDE SECURITY SCREEN ON EXISTING WINDOW. SIMILAR TO DETAIL FOR WINDOW EW-6, BUT PLACES SCREENS ON EXTERIOR.

W_ SEE WINDOW TYPES

KEY NOTES FOR EXTERIOR WORK

1. CLEAN EXTERIOR MATERIALS OF BUILDING, PROVIDING REMOVAL OF MOLD AND STAINS
2. PROVIDE SEALANT AT PERIMETER OF EXISTING WINDOW FRAMES
3. PAINT ALL EXISTING LOUVERS, WINDOW FRAMES, SASHES AND ASSOCIATED METAL TRIM EAL-4.
4. EXISTING WINDOW SCREEN FRAMES TO REMAIN IN PLACE - PAINT TO MATCH WINDOWS

GENERAL NOTES - EXTERIOR

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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1	09/25/2017	ADDENDUM NO. 1
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DESIGNED BY:	LF
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APPROVED:	

SHEET TITLE:

BUILDING 90

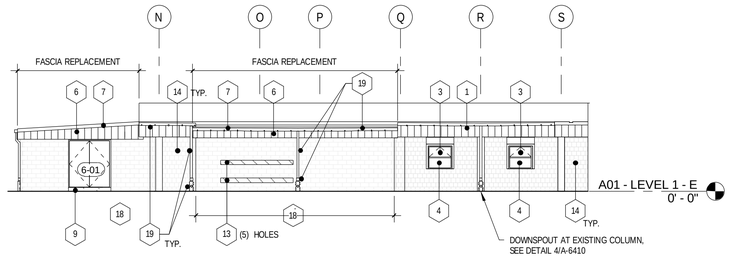
BUILDING ELEVATIONS

DRAWING NUMBER:

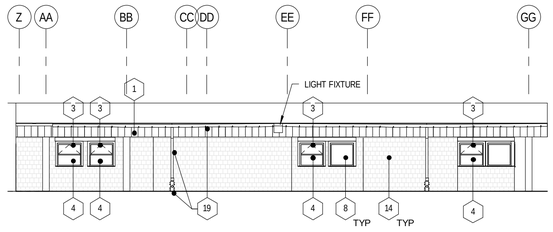
A - 6201

SHEET OF

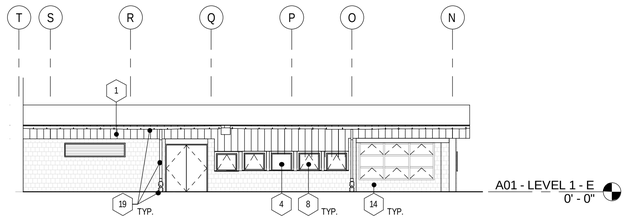
36x24 PLOT SHEET



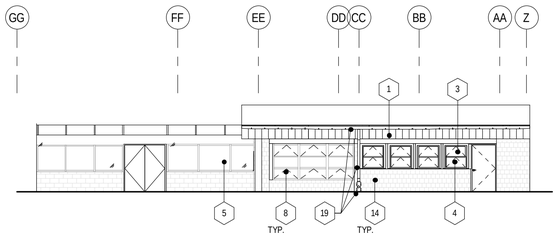
4 PARTIAL WEST SOUTH COURT
3/32" = 1'-0"



2 PARTIAL WEST NORTH COURT
3/32" = 1'-0"



3 PARTIAL EAST SOUTH COURT
3/32" = 1'-0"



1 PARTIAL EAST NORTH COURT
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- W_ SEE WINDOW TYPES

KEY NOTES FOR EXTERIOR WORK

36x24 PLOT SHEET

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031179
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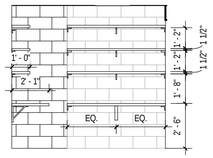
SHEET TITLE:
BUILDING 90
BUILDING ELEVATIONS

DRAWING NUMBER:
A - 6202

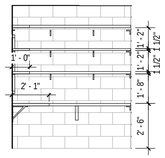
SHEET OF

TOILET AND BATH ACCESSORIES		
Type Mark	Type	Comment
GB-1	GRAB BARS	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
GB-2	GRAB BARS_SHOWER	1-1/2" OD GUAGE STAINLESS STEEL BARS WITH 11 GUAGE STAINLESS STEEL FLANGES, ANTI LIGATURE DESIGN, SEE INTERIOR ELEVATIONS FOR DIMENSIONS
HD-1	SECURITY ELECTRIC HAND DRYER	SENSOR OPERATED: AMERICAN SPECIALTIES MODEL #0134 OR APPROVED EQUAL
M-1	ANTI-LIGATURE MIRROR	CUSTOM 18 GA MIRROR STAINLESS STEEL (20 X 36) WITH HEMMED EDGES
M-2	TYPE A (STAFF MIRROR)	POLISHED TEMPERED GLASS MIRROR IN STAINLESS STEEL FRAME 18"X24"
M-3	SAFETY MIRROR	18" FULL DOME MIRRORS: MODEL DO-18 BY CAMPUS CRAFTS, INC.
SC/SCT-SM	SHOWER CURTAIN AND SHOWER CURTAIN TRACK	SECURITY SHOWER CURTAIN AND SURFACED MOUNTED SHOWER CURTAIN TRACK BY INPRO
SRTTD	SINGLE ROLL TOILET TISSUE DISPENSER	22 GAUGE STAINLESS STEEL 4-1/2" WIDE CORE TISSUE ROLL UP TO 5 INCH DIAMETER. UNITS SHALL HAVE CHROMIUM METAL ROLLER AND SUPPORT POSTS.
TTD-1	SECURITY TOILET PAPER HOLDER	ANTI LIGATURE RECESSED 14 GAUGE SS TOILET PAPER HOLDER

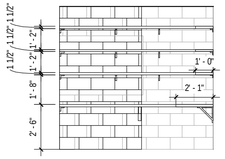
NOTE:
1. REPLACE ALL EXISTING TOILET ROOM ACCESSORIES INCLUDING MIRRORS, TISSUE DISPENSERS AND HAND DRYERS. SEE THIS SHEET FOR LOCATIONS.
2. REFER TO TYPICAL MOUNTING HEIGHTS SHEET FOR ADDITIONAL INFORMATION
3. REFER TO FINISH SCHEDULE FOR WALL FINISHES



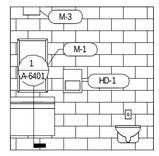
21 STORAGE 6-14 - SOUTH ELEVATION
1/4" = 1'-0"



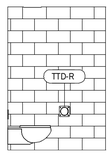
20 STORAGE 6-14 - EAST ELEVATION
1/4" = 1'-0"



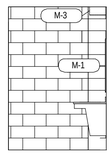
19 STORAGE 6-14 NORTH ELEVATION
1/4" = 1'-0"



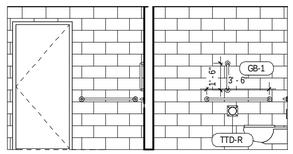
17 ROOM 6-18 NORTH ELEVATION
1/4" = 1'-0"



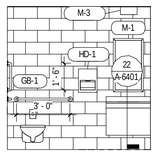
15 ROOM 6-18 -EAST ELEVATION
1/4" = 1'-0"



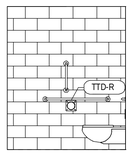
13 ROOM 6-18 - SOUTH ELEVATION
1/4" = 1'-0"



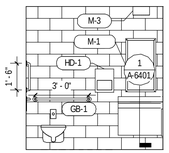
18 ROOM 6-17A - EAST ELEVATION
1/4" = 1'-0"



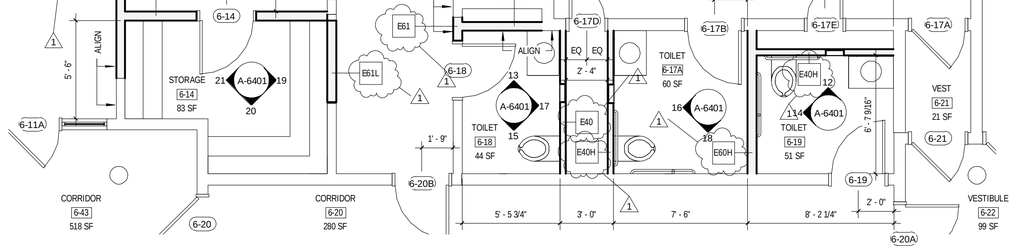
16 ROOM 6-17A - SOUTH ELEVATION
1/4" = 1'-0"



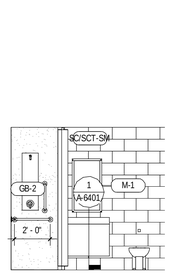
14 TOILET 6-19 SOUTH ELEVATION
1/4" = 1'-0"



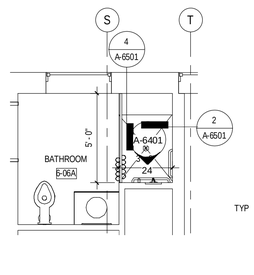
12 TOILET 6-19 WEST ELEVATION
1/4" = 1'-0"



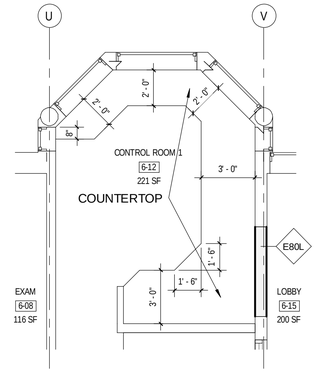
11 ENLARGED FLOOR PLAN - 1
1/4" = 1'-0"



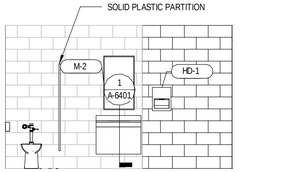
24 BATHROOM 6-06A EAST ELEVATION
1/4" = 1'-0"



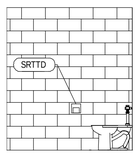
23 ENLARGED BATHROOM 6-06A SHOWER PLAN
1/4" = 1'-0"



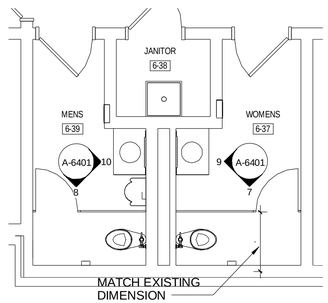
22 ENLARGED CONTROL ROOM 1 PLAN
1/4" = 1'-0"



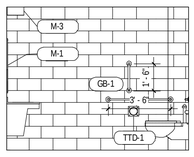
9 WOMENS 6-37- SOUTH ELEVATION
1/4" = 1'-0"



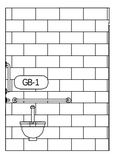
7 WOMENS 6-37 EAST ELEVATION
1/4" = 1'-0"



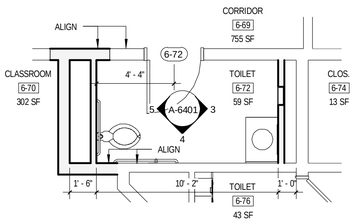
6 ENLARGED TOILET ROOM PLAN 6-37 & 6-39
1/4" = 1'-0"



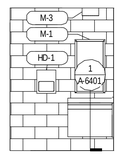
4 TOILET 6-72 - EAST ELEVATION
1/4" = 1'-0"



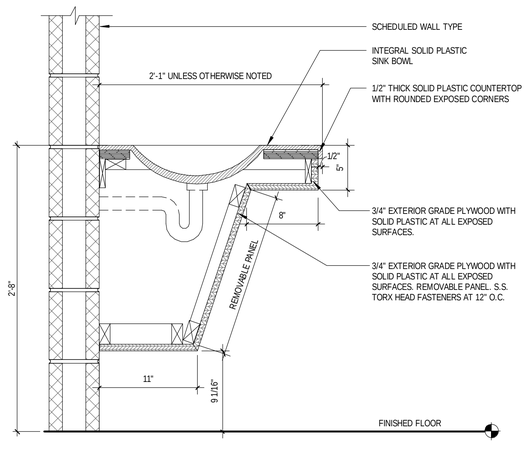
5 TOILET 6-72 - SOUTH ELEVATION
1/4" = 1'-0"



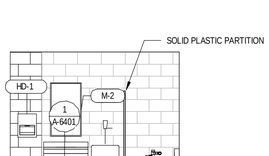
2 ENLARGED TOILET ROOM PLAN - 6-72
1/4" = 1'-0"



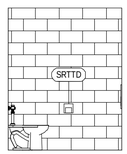
3 TOILET 6-72 NORTH ELEVATION
1/4" = 1'-0"



1 VANITY DETAIL
1 1/2" = 1'-0"



10 MENS 6-39 - NORTH ELEVATION
1/4" = 1'-0"



8 MENS 6-39 - EAST ELEVATION
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT DAVID L. CLEMENTI 031179 STATE OF NEW YORK

CONTRACT:
CONSTRUCTION

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH - SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

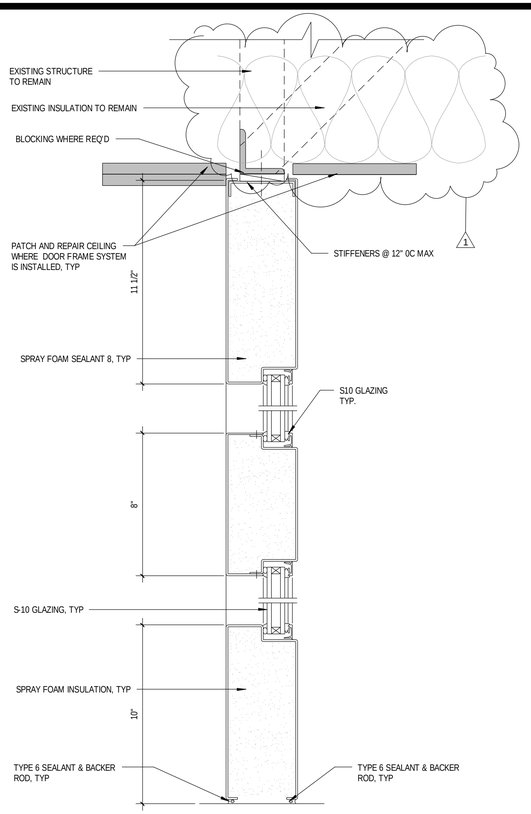
1	09/25/2017	ADDENDUM NO. 1
	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	45679 - C	
DESIGNED BY:	LF	
DRAWN BY:	CN	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 90
ENLARGED PLANS & INT. ELEVATIONS

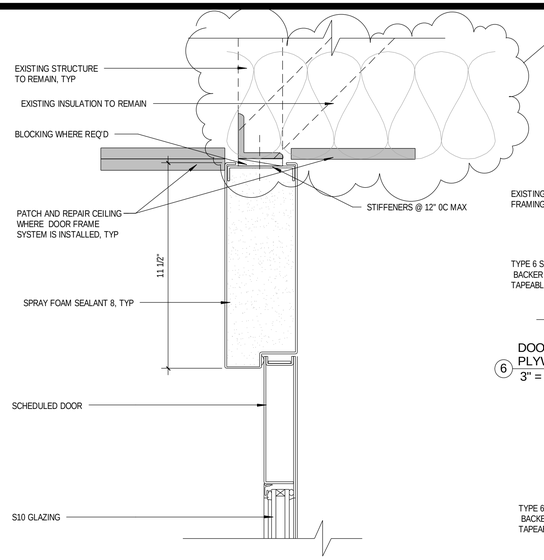
DRAWING NUMBER:
A - 6401

SHEET OF

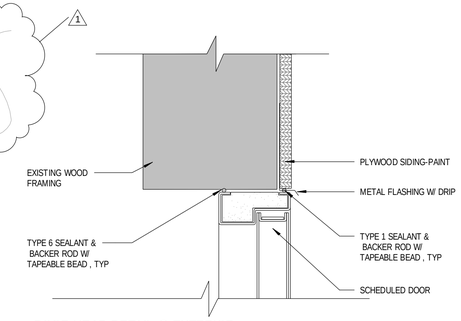
36x24 PLOT SHEET



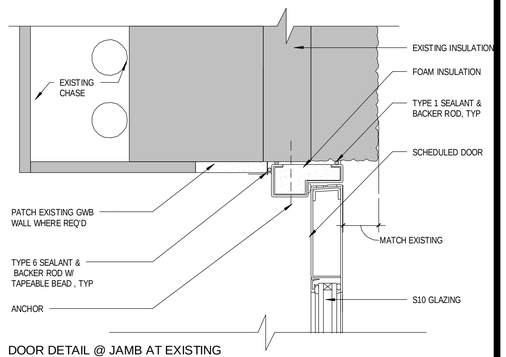
11 TYPICAL SECTION DETAIL AT ENTRANCE
3" = 1'-0"



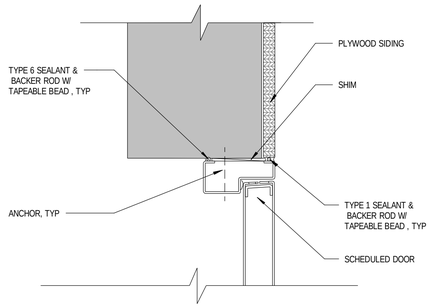
9 TYPICAL HEAD DETAIL AT DOOR
3" = 1'-0"



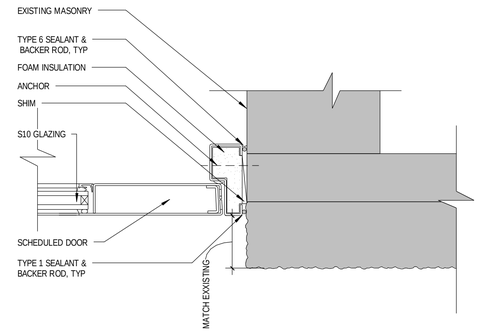
6 DOOR HEAD DETAIL @ EXTERIOR PLYWOOD
3" = 1'-0"



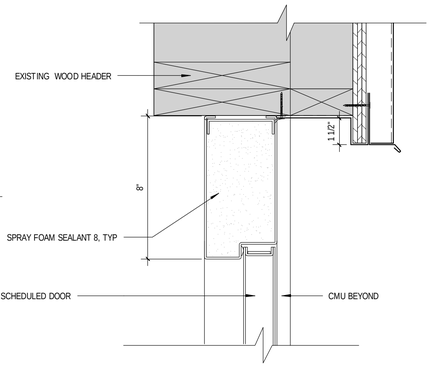
3 DOOR DETAIL @ JAMB AT EXISTING CHASE
3" = 1'-0"



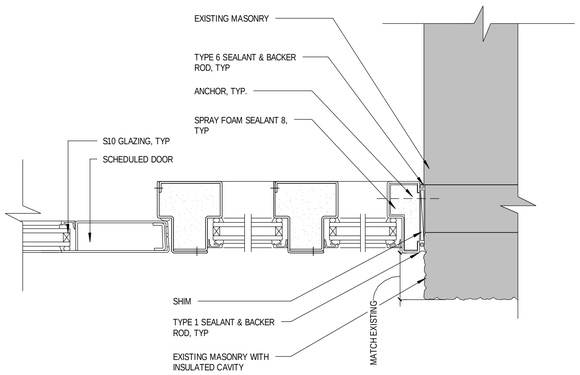
5 DOOR JAMB DETAIL @ EXTERIOR PLYWOOD
3" = 1'-0"



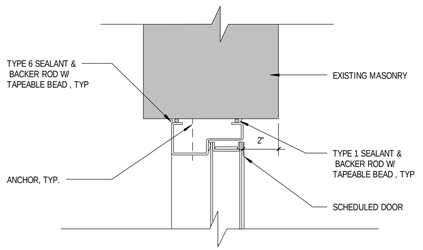
2 TYPICAL DOOR JAMB DETAIL
3" = 1'-0"



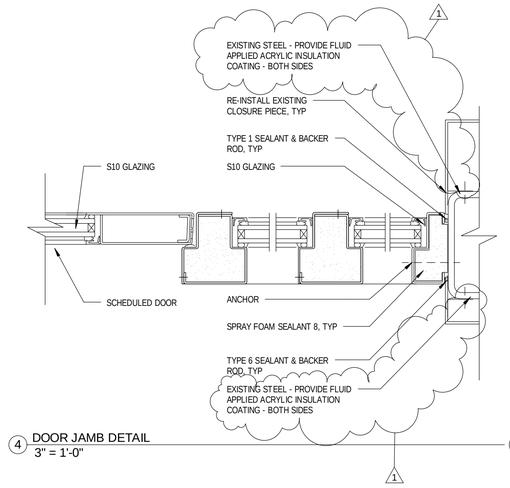
8 DOOR HEAD DETAIL @DOOR 6-01
3" = 1'-0"



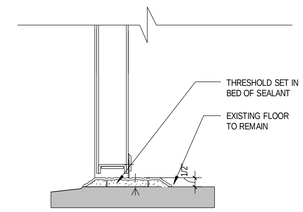
10 TYPICAL JAMB DETAIL AT ENTRANCE
3" = 1'-0"



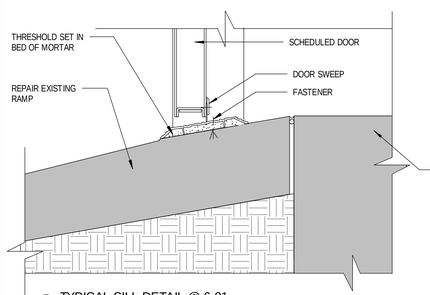
7 DOOR JAMB AT DOOR 6-01
3" = 1'-0"



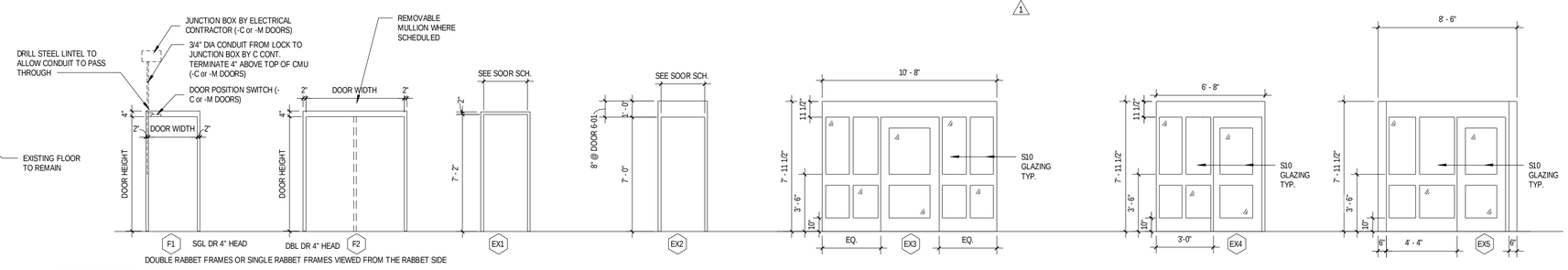
4 DOOR JAMB DETAIL
3" = 1'-0"



1 TYPICAL SILL DETAIL
3" = 1'-0"



12 TYPICAL SILL DETAIL @ 6-01
3" = 1'-0"



EXTERIOR FRAME TYPES
1/4" = 1'-0"

36x24 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

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	08/07/2017	FINAL SUBMISSION
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - C
DESIGNED BY:	LF
DRAWN BY:	ORS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 90

EXTERIOR DOOR TYPES, FRAMES & DETAIL

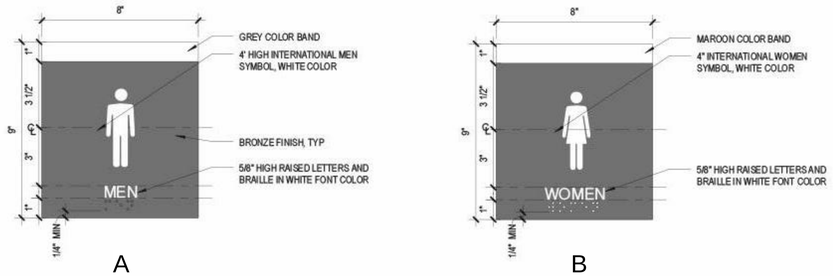
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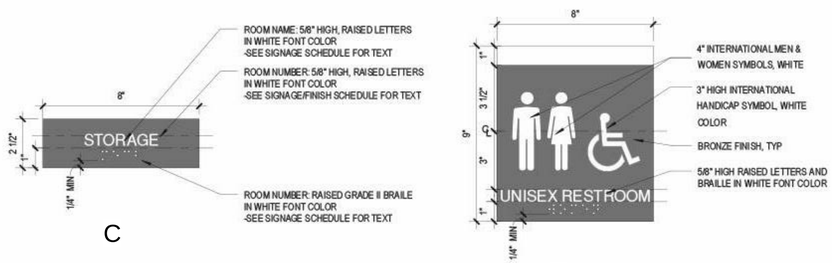
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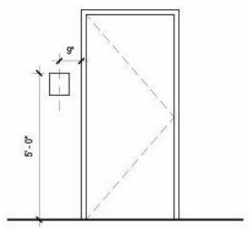
SHEET OF

Room Finish Legend						
KEY NAME	MATERIAL	MANUFACTURER	SERIES.MODEL	COLOR	SIZE	REMARKS
FLOOR						
C-1	BROADLOOM CARPET	TBD	TBD	TBD	N/A	
CONC	SEALED CONCRETE	-	-	-	-	
ECT-1	EPOXY RESIN	TBD	TBD	TBD	N/A	
ECT-2	EPOXY RESIN	TBD	TBD	TBD	N/A	
VT-1	VINYL TILE	MOHAWK	HOT AND HEAVY	BOLDER 925	36"X36"	
BASE						
B-1	RUBBER BASE	TBD	TBD	TBD	1/8" THICK, 4" HIGH	
B-3	WOOD BASE	TBD	TBD	TBD	3/4" THICK, 4" HIGH	
CT-2	CERAMIC BASE TILE	TBD	TBD	TBD	4-1/4"x4-1/4"	
ECT-1	INTEGRAL EPOXY BASE	TBD	TBD	TBD	4" HIGH	
ECT-2	INTEGRAL EPOXY BASE	TBD	TBD	TBD	4" HIGH	
WALL						
CT-1	CERAMIC WALL TILE	TBD	TBD	TBD	3"x6"	
IAL-1	FLAT INTERIOR ACRYLIC LATEX PAINT	TBD	TBD	TBD	N/A	
IAL-2	EGGSHELL INTERIOR ACRYLIC LATEX PAINT	TBD	TBD	TBD	N/A	
IAL-3	SEMI-GLOSS INTERIOR ACRYLIC LATEX PAINT	TBD	TBD	TBD	N/A	
IAL-4	GLOSS INTERIOR ACRYLIC LATEX PAINT	TBD	TBD	TBD	N/A	
PL-IAL-3	SEMI-GLOSS INTERIOR ACRYLIC LATEX PAINT OVER PLASTER	TBD	TBD	TBD	N/A	
SPE	SOLID PLASTIC FABRICATIONS	TBD	TBD	TBD	N/A	
CEILING						
ACP-1	SUSPENDED ACOUSTICAL CEILING PANEL	TBD	TBD	TBD	24"x48"	
ACP-2	ACOUSTICAL CEILING PANEL SYSTEM	TBD	TBD	TBD	8"x8" ADHERED TILES	
FRPB	FIBER REINFORCED PLASTIC PANELS	TBD	TBD	TBD	1/2" LAMINATED BOARD	
GWB-1	COMPOSITE POLYCARBONATE AND GYPSUM BOARD	TBD	TBD	TBD	N/A	
GWB-2	SUSPENDED GYPSUM CEILING SYSTEM	TBD	TBD	TBD	5/8" SUSPENDED GWB	

SIGN TYPES







MOUNTING HEIGHT

Room Finish Schedule - Working								
Number	Name	Base Finish	Wall Finish				Room Sign Type	Sign Message
			North	South	East	West		
01 - LEVEL 1 - E								
6-01	MAINTENANCE							
6-02	BLDG. MAINTENANCE							
6-03	SECURE STORAGE							
6-04	STORAGE							
6-05	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2	C	EXIT
6-06	INTAKE		IAL-2	IAL-2	IAL-2	IAL-2		
6-06A	BATHROOM	ECT-1 INTEGRAL BASE	IAL-4 / SPF SHOWER	IAL-4	IAL-4/ SPF SHOWER	IAL-4 / SPF SHOWER	C	RESTROOM
6-07	MED UNIT		IAL-2	IAL-2	IAL-2	IAL-2		
6-08	EXAM		IAL-2	IAL-2	IAL-2	IAL-2		
6-09	PSYCHOLOGIST		IAL-2	IAL-2	IAL-2	IAL-2		
6-10	NURSE		IAL-2	IAL-2	IAL-2	IAL-2		
6-11	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-11A	WAITING		IAL-2	IAL-2	IAL-2	IAL-2		
6-12	CONTROL ROOM 1		IAL-2	IAL-2	IAL-2	IAL-2		
6-13	CONTROL ROOM 2		IAL-2	IAL-2	IAL-2	IAL-2		
6-14	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-15	LOBBY		IAL-2	IAL-2	IAL-2	IAL-2	C	EXIT
6-16	VESTIBULE		IAL-2	IAL-2	IAL-2	IAL-2		
6-17	VISITORS		IAL-2	IAL-2	PL / IAL-3	IAL-2		
6-17A	TOILET	ECT-1 INTEGRAL BASE	IAL-3	IAL-3	PL / IAL-3	PL / IAL-3	D	(SEE ELEVATION)
6-18	TOILET	ECT-1 INTEGRAL BASE	IAL-3	PL / IAL-3	PL / IAL-3	PL / IAL-3	C	RESTROOM
6-19	TOILET	ECT-1 INTEGRAL BASE	IAL-3	IAL-3	PL / IAL-3	IAL-3	C	RESTROOM
6-20	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-21	VEST		IAL-2	IAL-2	IAL-2	IAL-2		
6-22	VESTIBULE		IAL-2	IAL-2 / 1	IAL-2	IAL-2	C	EXIT
6-23	CORRIDOR		IAL-2	IAL-2	IAL-2 / 1	IAL-2	C	EXIT
6-24	HEAD END SECURITY EQUIP. ROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-27	VESTIBULE		IAL-2	IAL-2	IAL-2	IAL-2	C	EXIT
6-28	VESTIBULE		IAL-2	IAL-2	IAL-2	IAL-2		
6-29	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-30	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-31	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-32	STORAGE/COPY		IAL-2	IAL-2	IAL-2	IAL-2		
6-33	CONFERENCE		IAL-2	IAL-2	IAL-2	IAL-2		
6-33A	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-34	DIRECTOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-35	CLOSET		IAL-2	IAL-2	IAL-2	IAL-2		
6-36	ASSISTANT DIRECTOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-37	WOMENS		IAL-3	IAL-3	IAL-3	IAL-3	B	(SEE ELEVATION)
6-38	JANITOR		IAL-4	IAL-4	IAL-4	IAL-4	C	JANITOR'S CLOSET
6-39	MENS		IAL-3	IAL-3	IAL-3	IAL-3	A	(SEE ELEVATION)
6-40	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-41	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-42	GYMNASIUM	FILL IN MISSING BASE	IAL-2 7'-4" FR. FLR.	IAL-2 7'-4" FR. FLR.	IAL-2 7'-4" FR. FLR.	IAL-2 7'-4" FR. FLR.		
6-43	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2	C	EXIT
6-44	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-45	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-46	EQUIPMENT		IAL-2	IAL-2	IAL-2	IAL-2		
6-47	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-48	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-49	EQUIPMENT		IAL-2	IAL-2	IAL-2	IAL-2		
6-50	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-51	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-52	MECH/ELEC.		NO PAINT	NO PAINT	NO PAINT	NO PAINT	C	MECHANICAL/ELECTRICAL
6-53	VESTIBULE		NO PAINT	NO PAINT	NO PAINT	NO PAINT		
6-54	STORAGE		IAL-2	IAL-2	IAL-2	IAL-2		
6-55	TOILET		IAL-3	IAL-3	IAL-3	IAL-3	C	RESTROOM
6-56	TOILET		IAL-3	IAL-3	IAL-3	IAL-3	C	RESTROOM
6-57	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-58	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-59	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-60	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-61	VESTIBULE		NO PAINT	NO PAINT	NO PAINT	NO PAINT	C	EXIT
6-62	EDUCATION DIRECTOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-63	EDUCATION CLERICAL STAFF		IAL-2	IAL-2	IAL-2	IAL-2		
6-64	DATA		IAL-2	IAL-2	IAL-2	IAL-2		
6-65	KITCHEN		IAL-3	IAL-3	IAL-3	IAL-3		
6-66	CONFERENCE		IAL-2	IAL-2	IAL-2	IAL-2		
6-67	CLOSET		IAL-2	IAL-2	IAL-2	IAL-2		
6-68	TOILET		IAL-2	IAL-2	IAL-2	IAL-2	C	RESTROOM
6-69	CORRIDOR		IAL-2	IAL-2	IAL-2	IAL-2		
6-70	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-71	JAN.		IAL-4	IAL-4	IAL-4	IAL-4	C	JANITOR'S CLOSET
6-72	TOILET	ECT-1 INTEGRAL BASE	IAL-3	IAL-3	PL / IAL-3	PL / IAL-3	C	RESTROOM
6-73	VESTIBULE		IAL-2	IAL-2	IAL-2	IAL-2		
6-74	CLOS.		IAL-2	IAL-2	IAL-2	IAL-2		
6-75	OFFICE		IAL-2	IAL-2	IAL-2	IAL-2		
6-76	TOILET		IAL-3	IAL-3	IAL-3	IAL-3	C	RESTROOM
6-77	TOILET		IAL-3	IAL-3	IAL-3	IAL-3	C	RESTROOM
6-78	VESTIBULE		NO PAINT	NO PAINT	NO PAINT	NO PAINT	C	EXIT
6-79	CORRIDOR	ECT-2 INTEGRAL BASE	IAL-2	IAL-2	IAL-2	IAL-2		
6-80	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-81	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-82	CORRIDOR	ECT-2 INTEGRAL BASE	IAL-2	IAL-2	IAL-2	IAL-2	C	EXIT
6-83	CLASSROOM		IAL-2	IAL-2	IAL-2	IAL-2		
6-84	TEACHING KITCHEN		IAL-2	IAL-2	IAL-2	IAL-2		
6-85	CONNECTOR		NO PAINT	NO PAINT	NO PAINT	NO PAINT		

GENERAL FINISH NOTES:
1. FINISHES NOT INDICATED ON ROOM FINISH SCHEDULE ARE TO BE EXISTING TO REMAIN
2. FOR CEILING FINISHES LOCATED AT JANITOR'S CLOSETS USE PAINT TYPE IAL-3
3. FOR CEILING FINISHES LOCATED AT LAUNDRY ROOMS USE PAINT TYPE IAL-2
4. AT TOILET ROOMS WITH EXISTING WALL, PROVIDE PLASTER FINISH ON CMU PL / IAL-3

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 90

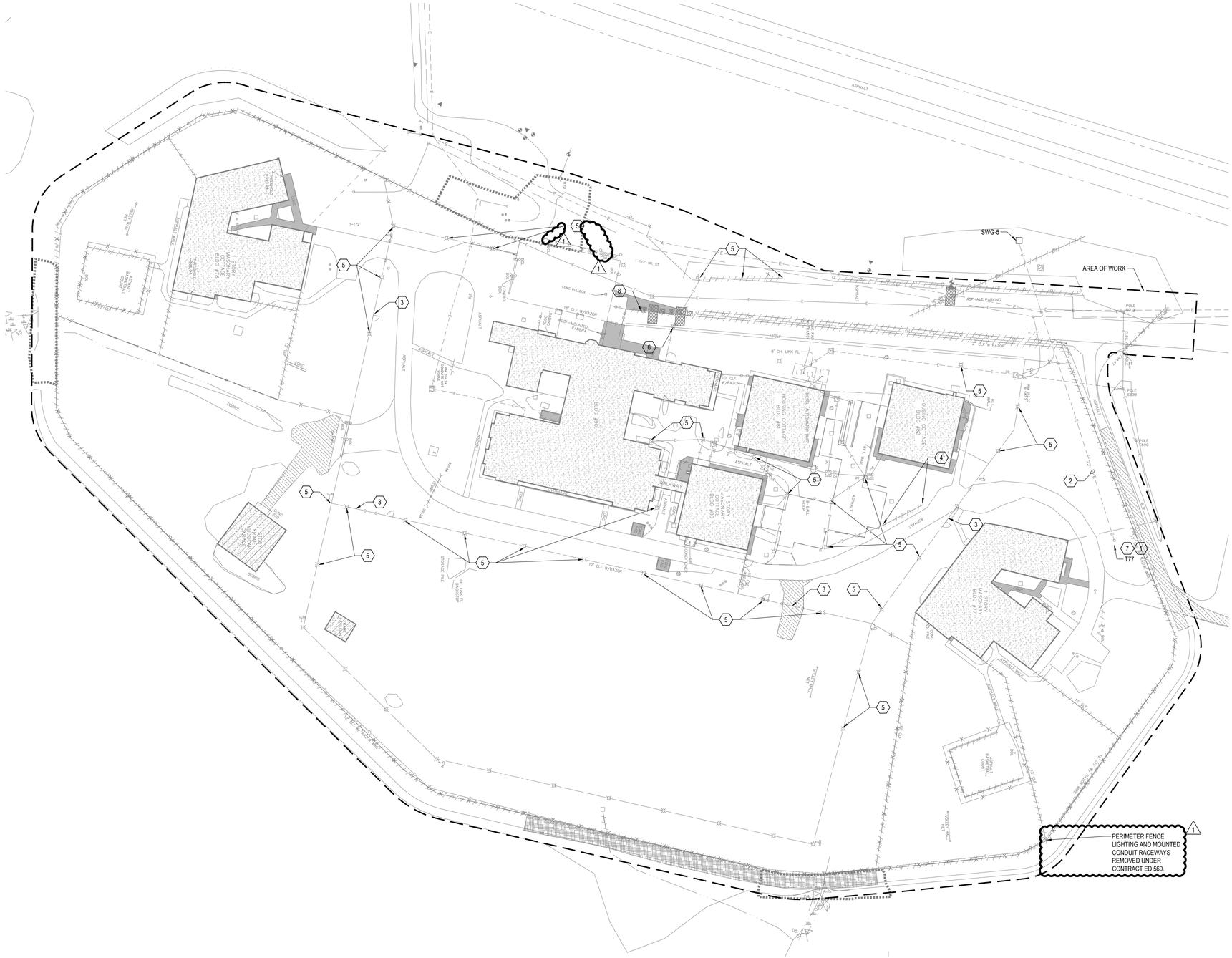
FINISH SCHEDULE, LEGEND & DETAILS

DRAWING NUMBER:

A - 6605

SHEET OF

36x24 PLOT SHEET



SITE ELECTRICAL REMOVAL PLAN

SCALE: 1" = 50'

GENERAL NOTES

1. REFER TO SECURITY DRAWINGS FOR ADDITIONAL INFORMATION.

KEYED NOTES

1. UTILIZE EXISTING TRANSFORMER FOR TEMPORARY POWER OF CONSTRUCTION TRALERS IN LAYDOWN YARD. DO NOT REMOVE TRANSFORMER UNTIL TEMPORARY POWER IS NO LONGER REQUIRED.
2. REMOVE MEDIUM VOLTAGE CABLE BETWEEN SWG-5 AND PRIMARY SIDE OF TRANSFORMER T-77. REFER TO RISER DIAGRAM ON DRAWING E-1601 FOR ADDTIONAL INFORMATION.
3. REMOVE FENCE MOUNTED CONDUITS IN LOCATIONS WHERE PEDESTRIAN GATES ARE BEING ADDED. PROVIDE JUNCTION BOXES ON EACH SIDE OF THE GATE. SPLICE CONDUCTORS AND EXTEND CIRCUITS ABOVE PEDESTRIAN GATE.
4. REMOVE PEDESTRIAN WALKWAY POLES AND FIXTURES. REMOVE POWER CONDUCTORS BACK TO NEAREST REMAINING SITE FIXTURE.
5. REMOVE SITE LIGHTING FIXTURE HEADS. CIRCUITING AND POLE TO REMAIN FOR REUSE WITH REPLACEMENT FIXTURE.
6. REMOVE SITE LIGHTING POLE, FIXTURE AND BASE. REMOVE CONDUCTORS BACK TO POWER SOURCE AND DISCONNECT. ABANDON UNDERGROUND CONDUIT.
7. DISCONNECT AND REMOVE 50KVA, 7.62KV-240/120 VOLT, SINGLE PHASE PAD MOUNTED TRANSFORMER AND ASSOCIATED CONCRETE PAD. REFER TO BUILDING 77 SITE ELECTRICAL REMOVALS PLAN FOR ADDITIONAL INFORMATION.
8. FOR FENCE BEING REMOVED UNDER THE C-CONTRACT, REMOVE FENCE LIGHTING CIRCUITS BACK TO POWER SOURCE.

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

SITE ELECTRICAL REMOVAL PLAN

DRAWING NUMBER:

E–0002

SHEET OF

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36x24 PLOT SHEET

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
A/V	AUDIBLE/VISUAL
AWG	AMERICAN WIRE GAUGE
BB	BACKBOARD
BCW	BARE COPPER WIRE
BATT	BATTERY
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
BFG	BELOW FINISHED GRADE
C	CONDUIT
CAB	CABINET
CATV	COMMUNITY ACCESS TELEVISION (CABLE TELEVISION)
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CUH	CABINET UNIT HEATER
CT	CURRENT TRANSFORMER
CU	COPPER
CWA	CONSTANT WATTAGE AUTOTRANSFORMER
△	DELTA CONNECTION
D	DEEP
DB	DECIBEL
DET	DETECTOR
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EBH	ELECTRIC BASEBOARD HEATER
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
EMER	EMERGENCY
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
F	FUSE(D)
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT (FEET)
FUT	FUTURE
FO	FIBER OPTIC
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HGT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
J.C.	JANITOR CLOSET
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
ML	MOTORIZED LOUVER
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTR	MOTOR
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OC	OVER COUNTER
OL	OVERLOAD
P	POLE(S)
PA	PUBLIC ADDRESS
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ø	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SPKR	SPEAKER
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
T-STAT	THERMOSTAT
TB	TERMINAL BOARD
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
Y	WYE CONNECTION

LIGHTING

REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE, LAMP, BALLAST, POWER REQUIREMENTS, MOUNTING HEIGHT AND MANUFACTURER.

$ — SINGLE POLE LIGHT SWITCH, SUBSCRIPT DENOTES:
- -3=3 WAY SWITCH
- -4=4 WAY SWITCH
- -O=OCCUPANCY WALL SWITCH
- -D=DIMMER SWITCH
- -a=LOWER CASE LETTER DENOTES CONTROL OF FIXTURE(S) AND/OR LAMPS WITH MATCHING LETTER

$$ — INSTALL SWITCHES IN THE SAME BOX WITH A MULTI-GANG COVER

#/X/a — TYPICAL LIGHTING FIXTURE,
- X-INDICATES FIXTURE TAG INDENTIFICATION
- a-INDICATES BALLAST CONTROL SWITCHING
- #-INDICATES BRANCH CIRCUIT DESIGNATION

SHADING INDICATES EMERGENCY BALLAST OR GENERATOR CONNECTION

2X4 LIGHT FIXTURE

1X4 LIGHT FIXTURE

1X4 WALL MOUNTED LIGHT FIXTURE

2X2 LIGHT FIXTURE

STRIP TYPE FIXTURE

WALL MOUNTED STRIP TYPE FIXTURE

CEILING MOUNTED DOWN LIGHT

WALL MOUNTED LIGHT FIXTURE

WALL PACK

EXIT SIGN

EMEGENCY WALL PACK

PC — PHOTOCELL

TC — TIME CLOCK

S — STROBE LIGHT

RACEWAYS

CONDUIT CONCEALED AS SPECIFIED

CONDUIT TURNING UP

CONDUIT TURNING DOWN

PP-1 1/3/5 — HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)

CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED

UNDERGROUND CONDUIT

GROUND CONDUCTOR

GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT

INDICATES EXISTING DEVICES OR EQUIPMENT

DEVICES AND APPURTENANCES

$ — SINGLE POLE TOGGLE SWITCH

GFP — DUPLEX RECEPTACLE, SUBSCRIPT DENOTES:
- -WP=WEATHER PROOF
- -OC=OVER COUNTER
- -E=UTILIZE EXISTING RACEWAY
- -S=SURFACE MOUNTED
- -42=MOUNTING HEIGHT OF 42 INCHES
- -GFI=GROUND FAULT INTERRUPTER

TWO - 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER

FLUSH FLOOR BOX BARRIERED COMPARTMENTS FOR POWER OUTLET; DATA OUTLET AND TELEPHONE OUTLET. PROVIDE BASE WITH BRASS COVER.

FLUSH FLOOR BOX w/POWER OUTLET & BRASS COVER

1 — HARDWARE EQUIPMENT CONNECTION
- GROUND ROD
- SINGLE RECEPTACLE

J — JUNCTION BOX

CEILING FAN

MH — MANHOLE

HH — HANDHOLE

1 — UH — UNIT HEATER

1 — HD — HAND DRYER

ONE LINE DIAGRAMS

POWER TRANSFORMER

AMPS FRAME — 400AF
AMPS TRIP — 400AT
NR. of POLES — 3P
GFP — MOLDED CASE CIRCUIT BREAKER W/GROUND FAULT PROTECTION

AUTOMATIC TRANSFER SWITCH (ATS)

SAFETY DISCONNECT SWITCH - UNFUSED

NORMALLY OPEN CONTACT/RELAY

NORMALLY CLOSED CONTACT/RELAY

G — GENERATOR

CURRENT TRANSFORMER

FUSE

1 — CIRCUIT TAG REFER TO CONDUIT AND CONDUCTOR SCHEDULE

GROUNDING CONNECTION

POTENTIAL TRANSFORMER

M — MOTOR

INDICATES EQUIPMENT ENCLOSURE

V — VARIABLE FREQUENCY DRIVE

TELECOMMUNICATIONS

COMBINATION DATA/TELEPHONE OUTLET BOX. MOUNT AT 18" AFF UON. PROVIDE WITH TWO GANG RECESSED BOX WITH SINGLE GANG MUD RING, 1" CONDUIT UP TO ACCESSIBLE CEILING SPACE, AND (2) CAT 6 CABLES BACK TO NEAREST DATA RACK. PROVIDE OUTLET WITH (2) CAT 6 DATA JACKS AND COVER PLATE.

MICROPHONE OR HEADSET/MICROPHONE OUTLET

MICROPHONE

WALL MOUNTED IT EQUIPMENT RACK AND IT EQUIPMENT

1 — # — FLOOR MOUNTED SECURITY EQUIPMENT RACK. DOOR INDICATES FRONT OF RACK
- INDICATES SECURITY EQUIPMENT RACK NUMBER.

FIRE ALARM SYMBOLS

FACP — FIRE ALARM CONTROL PANEL

FAAP — FIRE ALARM ANNUNCIATOR PANEL

F — MANUAL FIRE ALARM STATION (45" AFF)

B — FIRE ALARM BELL

F — FIRE COMBINATION HORN/STROBE ALARM

F — VISUAL ALARM APPLIANCE (15 CANDELA STROBE UON BY SUBSCRIPT NUMBER)

S — SMOKE DETECTOR

D — DUCT SMOKE DETECTOR WITH SAMPLING TUBE, REMOTE INDICATOR, AUXILIARY CONTACTS AND REMOTE KEY OPERATED RESET SWITCH

H — HEAT DETECTOR: 135° FIXED TEMPERATURE U.O.N. BY SUBSCRIPT NUMBER; ROR = RATE OF RISE

SV — FIRE SUPRESSION SOLENOID RELEASE VALVE

AIR ASPIRATION SMOKE DETECTOR PORT

PS — PRESSURE SWITCH

TS — TAMPER SWITCH

FS — FLOW SWITCH

END OF LINE RESISTOR

KB — KNOX BOX

VEA — MULTI-PORT ADDRESSABLE AIR ASPIRATION SMOKE DETECTOR

1 — POST INDICATOR VALVE
- D — OVERHEAD DOOR CLOSING DEVICE
- CO — CARBON MONOXIDE DETECTOR

POWER DISTRIBUTION EQUIPMENT

SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON

RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON

DISTRIBUTION PANEL

30/3 — NON-FUSED SAFETY SWITCH DISCONNECT RATING/POLES

30/3/15 — FUSIBLE SAFETY SWITCH DISCONNECT RATING/POLES/FUSE RATING

T — TRANSFORMER

MOTOR STARTER

COMBINATION MOTOR STARTER

UH — UNIT HEATER

M — MOTORIZED DAMPER

MANUAL STARTER WITH OVERLOAD RELAY, POLES AND VOLTAGE AS REQUIRED

GENERAL

(#) — NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE

◇# — NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER

X / XXX — DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CONSTRUCTION, ELECTRICAL, HVAC AND PLUMBING CONTRACT DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).

2. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. DETERMINE EXACT LOCATION OF ALL CONDUIT RUNS IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.

3. CONCEAL ALL CONDUITS AND/OR WIRING WITHIN WALLS, UNDERFLOORS AND/OR ABOVE SUSPENDED CEILINGS.

1 — ENERGY CODE COMPLIANCE STATEMENT:

THE DESIGN PROFESSIONAL WHO SIGNED AND SEALED THESE DOCUMENTS STATES THAT, TO THE BEST OF THEIR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, SUCH DOCUMENTS COMPLY WITH THE ENERGY CODE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 77 ELECTRICAL LEGEND AND ABBREVIATIONS

DRAWING NUMBER:

E-1001

SHEET OF

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36x24 PLOT SHEET



BUILDING 77 PARTIAL SITE ELECTRICAL PLAN
1" = 16'

GENERAL NOTES

1. REFER TO DRAWING E-1602 FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE 15KV FEEDER BETWEEN SWG-5 AND PRIMARY SIDE OF TRANSFORMER T77. SEE ONE-LINE DRAWING E-1602.
2. PROVIDE 150 KVA, 13.2kV PRIMARY, 208/120 VOLT SECONDARY 3 PHASE TRANSFORMER IN NEMA 3R ENCLOSURE. PROVIDE CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN BUILDING 77 SERVICE ENTRANCE FEEDER, PAD MOUNTED TRANSFORMER AND TRANSFORMER PRIMARY FEEDER UNTIL REPLACEMENT ENTRANCE FEEDERS AND TRANSFORMER ARE INSTALLED AND TESTED. REMOVE EXISTING TRANSFORMER, PRIMARY, AND SECONDARY FEEDERS COMPLETELY ONCE REPLACEMENT SERVICE IS OPERATIONAL.
4. REMOVE FLUSH GRADE MOUNTED PULLBOX AFTER REPLACEMENT SERVICE IS COMPLETELY OPERATIONAL.
5. PROVIDE SECONDARY FEEDER TO BUILDING 77. REFER TO DRAWING E-1602 FOR ADDITIONAL INFORMATION.
6. PROVIDE 3/4" CONDUIT AND WIRING FROM POST INDICATOR VALVE TO FIRE ALARM CONTROL PANEL (FACP) IN BUILDING 77.
7. REFER TO DRAWING E-0003 FOR CONTINUATION.
8. PROVIDE BOLLARD. COORDINATE EXACT LOCATION WITH DIRECTOR'S REPRESENTATIVE.

GRAPHIC SCALE (FEET)
1"=16' 0' 16' 32' 48' 64' 80'

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DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

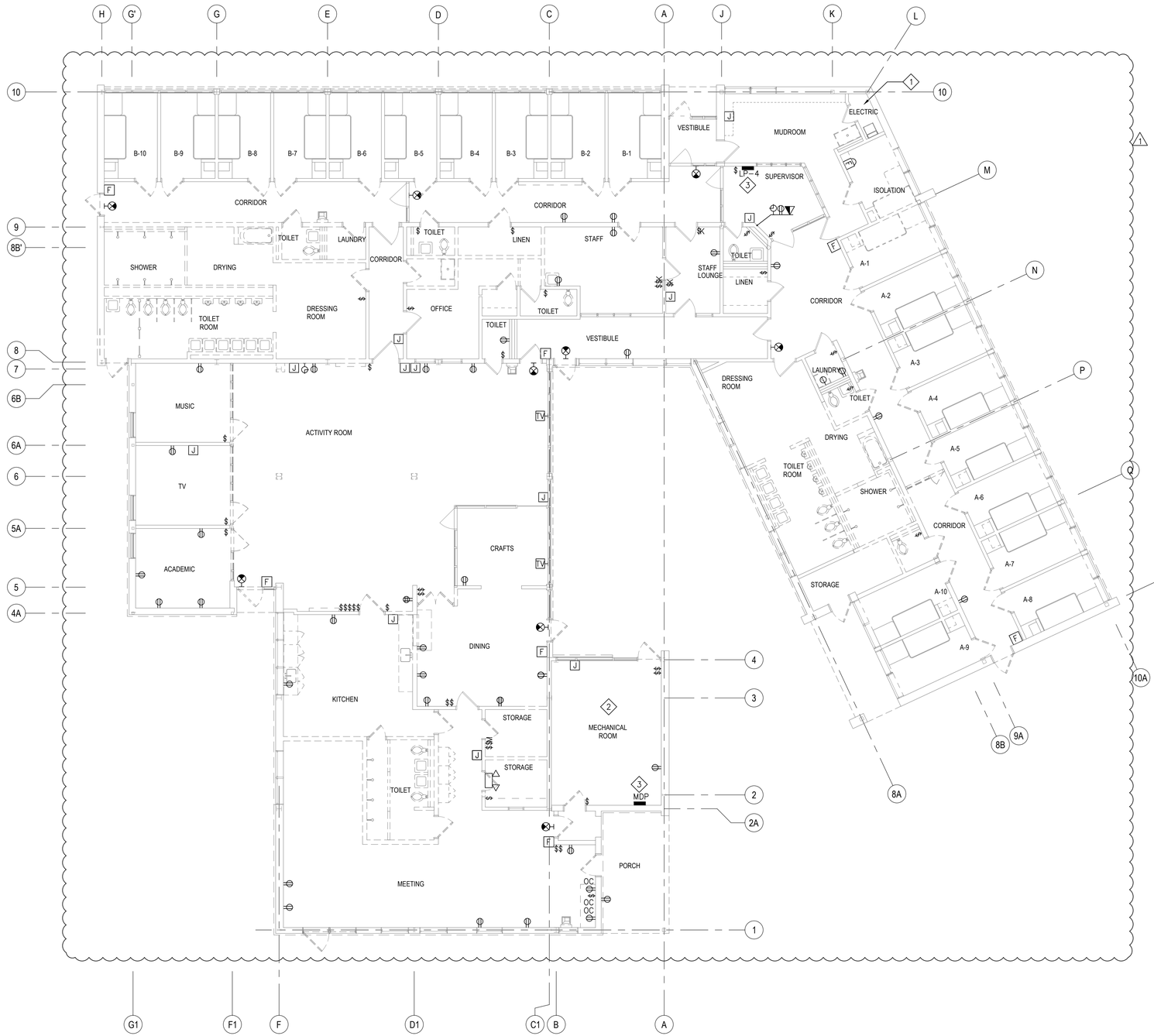
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 PARTIAL SITE ELECTRICAL PLAN

DRAWING NUMBER:
E-1003

SHEET OF

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36x24 PLOT SHEET



BUILDING 77 ELECTRICAL REMOVALS PLAN
1/8" = 1'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL REMOVAL NOTES

1. DEVICES SHOWN BOLD ARE FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED. THESE LOCATIONS REPRESENT RECESSED BOXES AND RACEWAYS TO REMAIN. REFER TO DRAWING E-1102 FOR LOCATIONS IN WHICH RECESSED BOXES AND RACEWAYS WILL BE REUSED. PROVIDE BLANK COVER PLATE FOR ALL UNUSED RECESSED BOXES.
2. SCHEDULE AND COORDINATE INTERRUPTIONS OF POWER FOR DEMOLITION WITH THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ALL ELECTRICAL CIRCUITS FEEDING FROM OR THROUGH THE CONTRACT AREA.
1. 3. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.

CODED NOTES

1. ◇1 ALL TELECOM RELATED EQUIPMENT/DEVICES WITHIN ELECTRIC ROOM ARE TO REMAIN.
2. ◇2 ELECTRICAL EQUIPMENT/DEVICES NOT SHOWN IN MECHANICAL ROOM ARE TO REMAIN.
1. ◇3 DISCONNECT AND REMOVE CONDUIT AND WIRING BETWEEN 'MDP' AND 'PP-4' COMPLETE. PANELS HAVE BEEN REMOVED PREVIOUSLY, LOCATIONS SHOWN FOR REFERENCE ONLY.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 ELECTRICAL REMOVALS PLAN

DRAWING NUMBER:
E-1101

SHEET OF

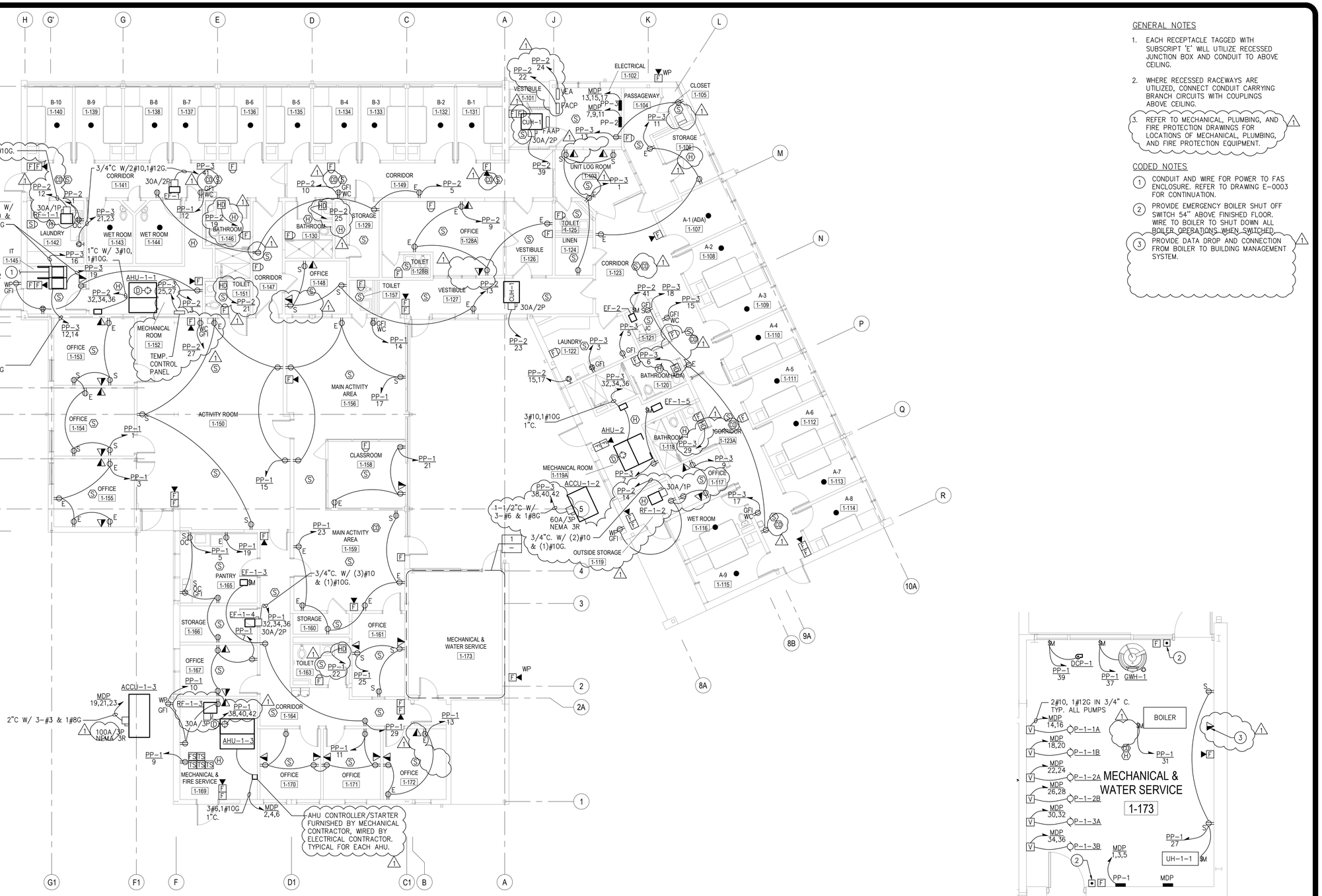
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36x24 PLOT SHEET

GENERAL NOTES

1. EACH RECEPTACLE TAGGED WITH SUBSCRIPT 'E' WILL UTILIZE RECESSED JUNCTION BOX AND CONDUIT TO ABOVE CEILING.
2. WHERE RECESSED RACEWAYS ARE UTILIZED, CONNECT CONDUIT CARRYING BRANCH CIRCUITS WITH COUPLINGS ABOVE CEILING.
3. REFER TO MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR LOCATIONS OF MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT.

CODED NOTES

1. CONDUIT AND WIRE FOR POWER TO FAS ENCLOSURE. REFER TO DRAWING E-0003 FOR CONTINUATION.
2. PROVIDE EMERGENCY BOILER SHUT OFF SWITCH 54" ABOVE FINISHED FLOOR. WIRE TO BOILER TO SHUT DOWN ALL BOILER OPERATIONS WHEN SWITCHED.
3. PROVIDE DATA DROP AND CONNECTION FROM BOILER TO BUILDING MANAGEMENT SYSTEM.



BUILDING 77 POWER & SYSTEMS PLAN
1/8" = 1'

1 ENLARGED MECHANICAL AND WATER SERVICE ROOM
- 1/4" = 1'

GRAPHIC SCALE (FEET)
1/4"=1' 0' 4' 8' 12' 16' 20'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 POWER & SYSTEMS PLAN

DRAWING NUMBER:
E-1102

SHEET OF

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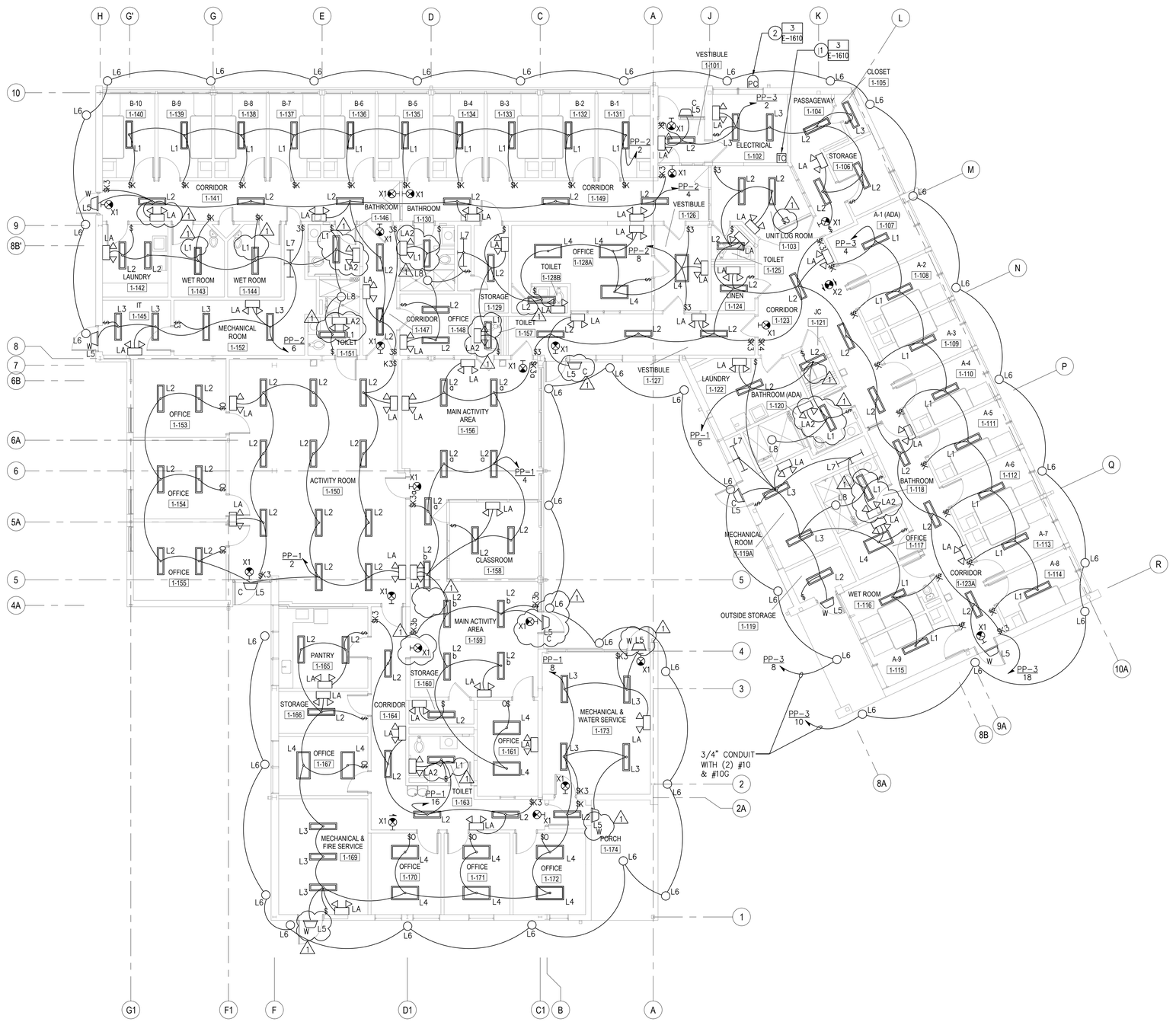
GENERAL NOTE

1. WIRE ALL EXIT SIGNS TO PANEL PP-2, CIRCUIT 11, WITH 2#10, 1#10G IN 3/4"C.

CODED NOTES

(1) PROVIDE TIME CLOCK FOR EXTERIOR BUILDING MOUNTED SOFFIT LIGHTS.

(2) PROVIDE PHOTOCELL AND MOUNT TO BUILDING EXTERIOR. WIRE PHOTOCELL TO TIME CLOCK IN ELECTRICAL ROOM 1-102.



BUILDING 77 LIGHTING PLAN
1/8" = 1'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 LIGHTING PLAN

DRAWING NUMBER:
E-1103

SHEET OF

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36x24 PLOT SHEET

LOCATION: MECHANICAL RM 1-172
MOUNTING: SURFACE
SOURCE: XFMR-77

PANEL ID: MDP

VOLTS, PHASE, WIRE: 208/120V, 3ø, 4W
MAINS: 400A MCB
SHORT CIRCUIT RATING: 42KAIC
SERVICE RATING: YES

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	PANEL PP-1	125/3		50/3	AHU-1-3	2
3	↓	↓		↓	↓	4
5	↓	↓		↓	↓	6
7	PANEL PP-2	125/3		60/3	SPARE	8
9	↓	↓		↓	↓	10
11	↓	↓		↓	↓	12
13	PANEL PP-3	125/3		30/2	PUMP P-1-1A	14
15	↓	↓		↓	↓	16
17	↓	↓		30/2	PUMP P-1-1B	18
19	ACCU-1-3 CONDENSING UNIT	90/3		↓	↓	20
21	↓	↓		30/2	PUMP P-1-2A	22
23	↓	↓		↓	↓	24
25	SPARE	50/3		30/2	PUMP P-1-2B	26
27	↓	↓		↓	↓	28
29	↓	↓		30/2	PUMP P-1-3A	30
31	PREPARED SPACE			↓	↓	32
33	PREPARED SPACE			30/2	PUMP P-1-3B	34
35	PREPARED SPACE			↓	↓	36
37	PREPARED SPACE				PREPARED SPACE	38
39	PREPARED SPACE				PREPARED SPACE	40
41	PREPARED SPACE				PREPARED SPACE	42

1

LOCATION: MECHANICAL RM 1-172
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-1

VOLTS, PHASE, WIRE: 208/120V, 3ø, 4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: OFFICE 1-153, OFFICE 1-154	20/1		20/1	LGT: 1-150, 153, 154, 155	2
3	REC: OFFICE 1-155	20/1		20/1	LGT: 1-156, 158, 159, 160, 161	4
5	REC: OFFICE 1-165, STORAGE 1-166	20/1		20/1	LGT: 1-115 THRU 1-122	6
7	REC: OFFICE 1-167	20/1		20/1	LGT: 1-174 THRU 169, 167 THRU 165	8
9	REC: MECH. AND FIRE SERVICE 1-169	20/1		20/1	MECH. RM. 1-169 REC.	10
11	REC: OFFICE 1-170, OFFICE 1-171	20/1		20/1	WATER COOLER 1-141	12
13	REC: OFFICE 1-172	20/1		20/1	WATER COOLER 1-156	14
15	REC: ACTIVITY ROOM 1-150	20/1		20/1	LGT: CORRIDOR 1-164, TOILET 1-163	16
17	REC: ACTIVITY ROOM 1-155	20/1		25/2	SPARE	18
19	REC: PANTRY 1-165	20/1		↓	↓	20
21	REC: CLASSROOM 1-158	20/1		20/1	HAND DRYER RM. 1-163	22
23	REC: MAIN ACTIVITY AREA 1-159, STORAGE 1-160	20/1		20/1	SPARE	24
25	REC: OFFICE 1-161	20/1		20/1	SPARE	26
27	REC: MECH. ROOM 1-173, UH-1-1	20/1		20/1	SPARE	28
29	REC: EF-1-3, CORRIDOR 1-164	20/1		20/1	SPARE	30
31	MECHANICAL ROOM BOILER	20/1		25/3	EF-1-4 CORRIDOR 1-164	32
33	PREPARED SPACE			↓	↓	34
35	PREPARED SPACE			↓	↓	36
37	MECHANICAL ROOM GWH-1	20/1		15/3	RF-1-3	38
39	MECHANICAL ROOM DCP-1	20/1		↓	↓	40
41	SPARE	20/1		↓	↓	42

1

LOCATION: ELECTRICAL RM 1-102
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-2

VOLTS, PHASE, WIRE: 208/120V, 3ø, 4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: LAUNDRY 1-142	20/1		20/1	LGT: BEDROOMS B-1 THRU B-10	2
3	REC: MECHANICAL ROOM 1-152, IT 1-145	20/1		20/1	LGT: CORRIDORS 1-141, 1-147, AND 1-149	4
5	REC: CORRIDOR 1-149, 1-141, 1-147, STOR 1-129	20/1		20/1	LGT: 1-152,1-142,1-143,1-144,1-146 1-151	6
7	SPARE	20/1		20/1	SPARE	8
9	REC: OFFICE 1-128A, VESTIBULE 1-126	20/1		20/1	WATER COOLER 1-149	10
11	LGT: EXIT SIGNS	20/1		20/1	RF-1-1	12
13	REC: CORRIDOR 1-127, OFFICE 1-148	20/1		20/1	RF-1-2	14
15	LAUNDRY 1-122 DRYER	30/2			PREPARED SPACE	16
17	↓	↓			PREPARED SPACE	18
19	HAND DRYER RM. 1-146	20/1	1		PREPARED SPACE	20
21	HAND DRYER RM. 1-151	20/1		20/1	FACP	22
23	CUH-1 1-127	20/1		20/1	VESDA POWER SUPPLY	24
25	HAND DRYER RM. 1-130	20/1	1	20/1	SPARE	26
27	WATER COOLER RM. 1-150	20/1		20/1	SPARE	28
29	PREPARED SPACE			20/1	SPARE	30
31	PREPARED SPACE			20/3	AHU-1-1 BLOWER UNIT #1	32
33	PREPARED SPACE			↓	↓	34
35	PREPARED SPACE			↓	↓	36
37	PREPARED SPACE			50/3	ACCU-1-1 CONDENSING UNIT	38
39	CUH-1 1-101	20/1		↓	↓	40
41	EF-2 EAST WING	25/1		↓	↓	42

LOCATION: ELECTRICAL RM 1-102
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-3

VOLTS, PHASE, WIRE: 208/120V, 3ø, 4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: ROOM 1-103, 1-125, 1-124	20/1		20/1	LGT: 1-101, 102, 104, 105, 106	2
3	REC: LAUNDRY 1-122	20/1		20/1	LGT: BEDROOMS A-1 THRU A-8	4
5	REC: LAUNDRY 1-122 GFI	20/1		20/1	HAND DRYER RM. 1-120	6
7	REC: MECH. ROOM1-119, EF-5	20/1		20/1	LGT: SOFFIT LIGHTS	8
9	REC: OFFICE 1-117, STORAGE 1-119	20/1		20/1	LGT: SOFFIT LIGHTS	10
11	REC: 1-104, 1-106, 1-123	20/1		40/2	FAS UPS	12
13	REC: ELECTRICAL 1-102, CLO. 1-105	20/1		↓	↓	14
15	WATER COOLER 1-123	20/1		30/1	SECURITY EQUIPMENT RACK #2	16
17	WATER COOLER 1-123A	20/1		20/1	REC: JC 1-121, CORRIDOR 123A	18
19	SECURITY EQUIPMENT RACK #1	30/1		20/1	SPARE	20
21	DRYER LAUNDRY 1-142	30/2		20/1	SPARE	22
23	↓	↓		20/1	SPARE	24
25	TEMP. CONT. PNL	20/2	1		PREPARED SPACE	26
27	↓	↓			PREPARED SPACE	28
29	HAND DRYER RM. 1-118	20/1			PREPARED SPACE	30
31	PREPARED SPACE			20/3	AHU-2 BLOWER UNIT#1	32
33	PREPARED SPACE			↓	↓	34
35	PREPARED SPACE			↓	↓	36
37	PREPARED SPACE			50/3	ACCU-1-2 CONDENSING UNIT	38
39	SPARE	20/1		↓	↓	40
41	EF-1-1 NORTH WING	25/1		↓	↓	42

1

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
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375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 PANEL SCHEDULES

DRAWING NUMBER:
E-1401

SHEET OF

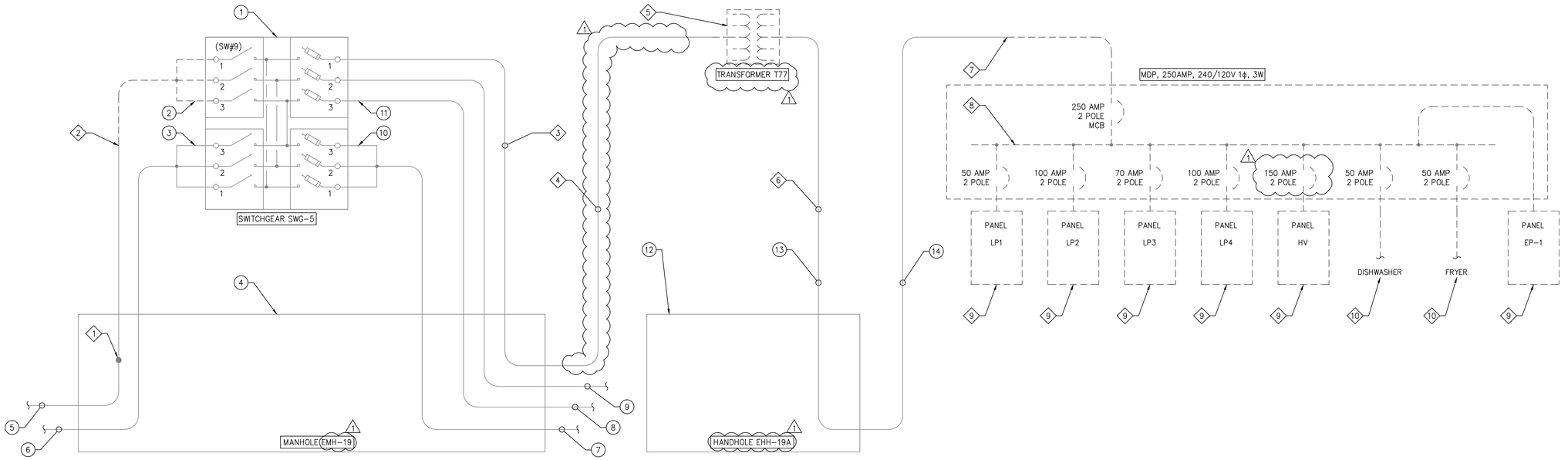
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REMOVAL CODED NOTES

1. DISCONNECT MEDIUM VOLTAGE CONDUCTORS FROM MEDIUM VOLTAGE SWITCH #5. PULL CONDUCTORS BACK TO MANHOLE AND COIL FOR SPLICING AND EXTENSION TO MEDIUM VOLTAGE PAD MOUNTED SWITCH. SEE DRAWING E-1602 FOR ADDITIONAL INFORMATION.
2. INTERCEPT CONDUIT AND PREP FOR EXTENSION TO PAD MOUNTED MEDIUM VOLTAGE SWITCH. SEE DRAWING E-1602 FOR ADDITIONAL INFORMATION.
3. REMOVE CONDUCTORS COMPLETE BETWEEN MEDIUM VOLTAGE SWITCH 5 AND PAD MOUNTED TRANSFORMER.
4. CONDUIT BETWEEN MEDIUM VOLTAGE SWTCH 5 AND PAD MOUNTED TRANSFORMER T77 TO REMAIN.
5. DISCONNECT AND REMOVE 50 kVA, 7.62 kV - 240/120 VOLT, SINGLE PHASE, PAD MOUNTED TRANSFORMER. REMOVE CONCRETE PAD COMPLETE.
6. REMOVE AND DISCARD CONDUCTORS BETWEEN TRANSFORMER AND MAIN CIRCUIT BREAKER (3 - 4/0 CONDUCTORS, 600 V RATED).
7. DISCONNECT AND REMOVE SERVICE ENTRANCE CONDUIT BACK TO 6" ABOVE FINISHED FLOOR AND CAP. ABANDON CONDUIT IN PLACE. CAP CONDUIT IN HANDHOLE 19A AND PROVIDE LABEL ON EACH END AS FOLLOWS: "2" PVC CONDUIT TO ELECTRICAL HANDHOLE #19A" IN BUILDING AND "2" PVC CONDUIT TO MAIN ELECTRIC ROOM" IN HANDHOLE 19A.
8. DISCONNECT AND REMOVE MAIN DISTRIBUTION PANEL (MDP).
9. DISCONNECT AND REMOVE A PANELBOARD INCLUDING ASSOCIATED FEEDER AND BRANCH CIRCUITS.
10. DISCONNECT AND REMOVE CIRCUIT CONDUIT AND WIRING FROM UTILIZATION EQUIPMENT BACK TO MDP.

CODED NOTES

1. PAD MOUNTED SWITCHGEAR #5.
2. MEDIUM VOLTAGE SWITCH #209.
3. MEDIUM VOLTAGE SWITCH #210.
4. ELECTRICAL MANHOLE #19.
5. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #4 (3 - 1/0 CONDUCTORS, 15kV RATED & 1 - #2 GROUND, 600 V RATED).
6. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #6 (3 - 1/0 CONDUCTORS, 15kV RATED & 1 - #2 GROUND, 600 V RATED).
7. OUTGOING CONDUCTORS TO SWITCHGEAR ENCLOSURE #211 (3 - 1/0 CONDUCTORS, 15kV RATED & 1 - #2 GROUND, 600 V RATED).
8. OUTGOING CONDUCTORS TO TRANSFORMER #63 (1 - 1/0 CONDUCTORS, 15kV RATED & 1 - #2 GROUND, 600 V RATED).
9. OUTGOING CONDUCTORS TO TRANSFORMER AT WATER TOWER (1 - 1/0 CONDUCTORS, 15kV RATED & 1 - #2 GROUND, 600 V RATED).
10. FUSE RATINGS AS FOLLOWS: 1 = 20 kV, 2 = 20 kV, 3 = 20 kV.
11. FUSE RATINGS AS FOLLOWS: 1 = 10 kV, 2 = 10 kV, 3 = 15 kV.
12. ELECTRICAL HANDHOLE #19A.
13. 4" CONDUIT FROM TRANSFORMER TO HANDHOLE #19A.
14. 2" CONDUIT FROM HANDHOLE #19A TO MAIN DISTRIBUTION PANEL.



1 BUILDING 77 REMOVALS ONE LINE DIAGRAM
- NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

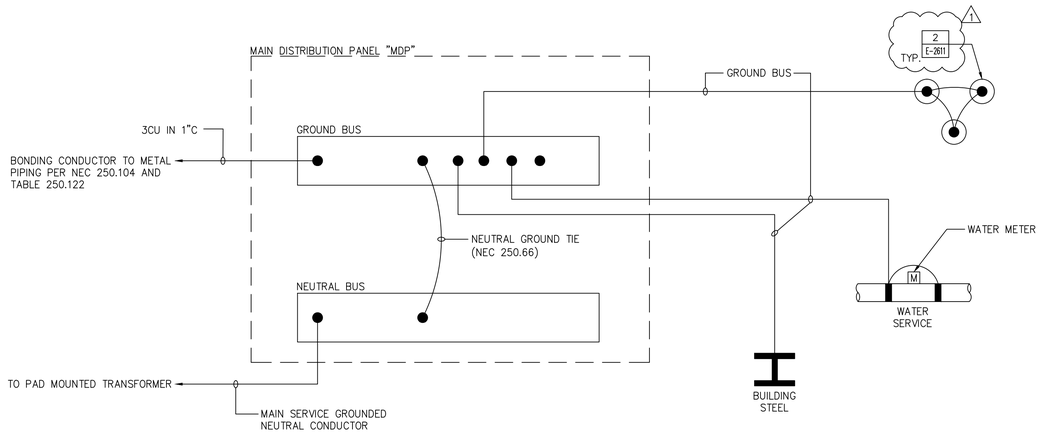
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DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 REMOVAL ONE LINE DIAGRAM

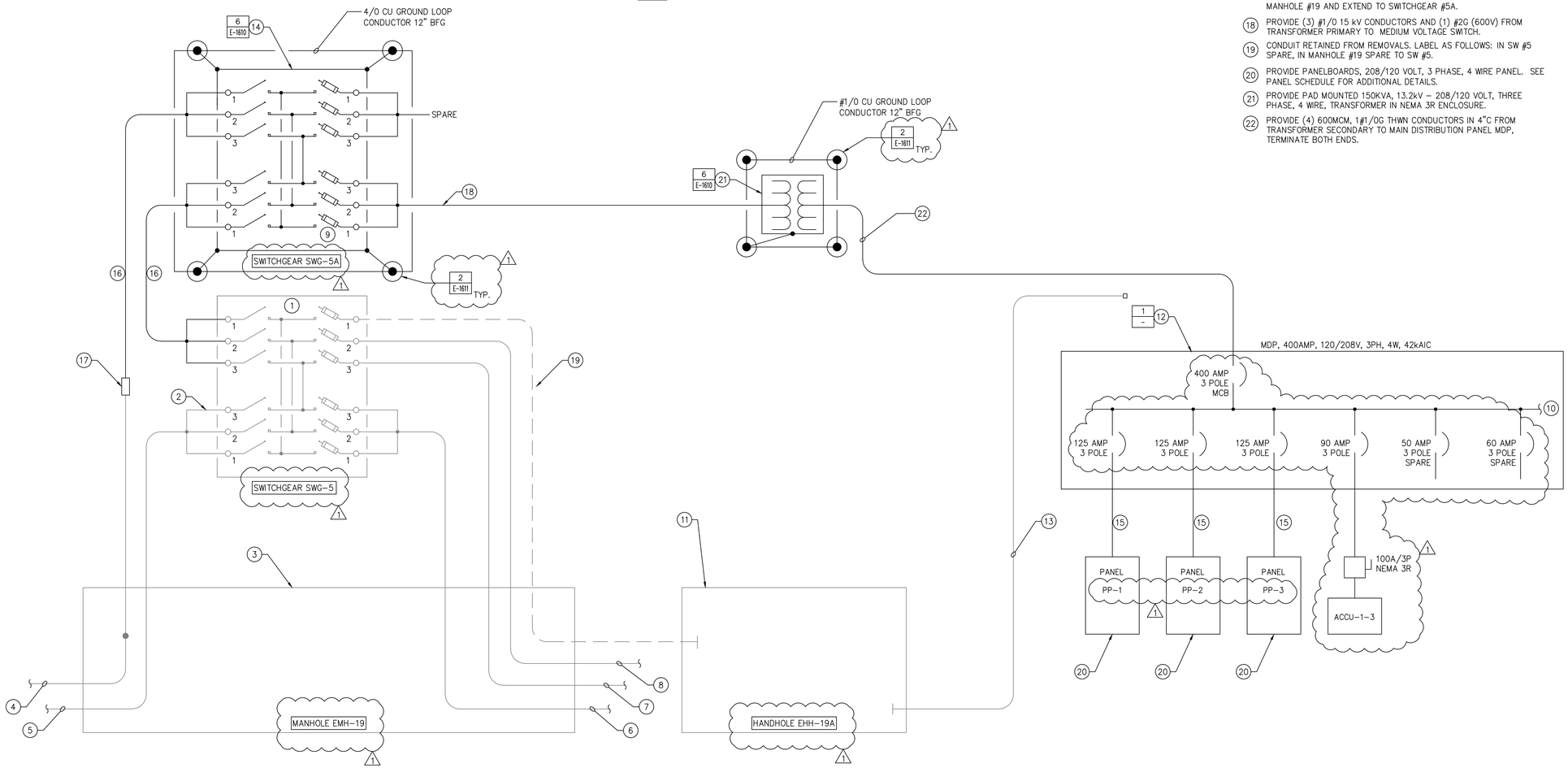
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1 GROUNDING DETAIL
– NOT TO SCALE



2 BUILDING 77 PROPOSED ONE LINE DIAGRAM
– NOT TO SCALE

CODED NOTES

1. PAD MOUNTED SWITCHGEAR #5.
2. MEDIUM VOLTAGE SWITCH #210.
3. ELECTRICAL MANHOLE #19.
4. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #4 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
5. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #6 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
6. OUTGOING CONDUCTORS TO SWITCHGEAR ENCLOSURE #211 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
7. OUTGOING CONDUCTORS TO TRANSFORMER #63 (1 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
8. OUTGOING CONDUCTORS TO TRANSFORMER AT WATER TOWER (1 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
9. PROVIDE 15kV, 10A FUSES SUITABLE FOR INSTALLATION IN 15kV PAD MOUNTED SITCHGEAR SW #5A.
10. REFER TO PANEL SCHEDULE FOR ADDITIONAL BRANCH BREAKERS.
11. ELECTRICAL HANDHOLE #19A.
12. PROVIDE 400 AMP, 208/120 VOLT, 3 PHASE, 4 WIRE, 42kAIC MAIN DISTRIBUTION PANEL (MDP).
13. EXISTING 2" CONDUIT FROM HANDHOLE #19A TO EXISTING MAIN DISTRIBUTION PANEL.
14. PROVIDE PAD MOUNTED MEDIUM VOLTAGE SWITCH GEAR #5A SIMILAR TO S&C PMH–9. REFER TO DRAWING E–0003 AND E–1003 FOR ADDITIONAL INFORMATION.
15. PROVIDE 4#1, 1#6G IN 1 1/2" C.
16. PROVIDE 3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2G, 600 V RATED IN 4"C.
17. INTERCEPT EXISTING CONDUIT AND EXTEND TO PAD MOUNTED HIGH VOLTAGE SWITCH. SPLICE EXTENSION CONDUCTORS IN ELECTRICAL MANHOLE #19 AND EXTEND TO SWITCHGEAR #5A.
18. PROVIDE (3) #1/0 15 kV CONDUCTORS AND (1) #2G (600V) FROM TRANSFORMER PRIMARY TO MEDIUM VOLTAGE SWITCH.
19. CONDUIT RETAINED FROM REMOVALS. LABEL AS FOLLOWS: IN SW #5 SPARE, IN MANHOLE #19 SPARE TO SW #5.
20. PROVIDE PANELBOARDS, 208/120 VOLT, 3 PHASE, 4 WIRE PANEL. SEE PANEL SCHEDULE FOR ADDITIONAL DETAILS.
21. PROVIDE PAD MOUNTED 150KVA, 13.2kV – 208/120 VOLT, THREE PHASE, 4 WIRE, TRANSFORMER IN NEMA 3R ENCLOSURE.
22. PROVIDE (4) 600MCM, 1#1/0G THWN CONDUCTORS IN 4"C FROM TRANSFORMER SECONDARY TO MAIN DISTRIBUTION PANEL MDP, TERMINATE BOTH ENDS.

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CONTRACT:
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TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
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375 RUSH–SCOTTSVILLE ROAD
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CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

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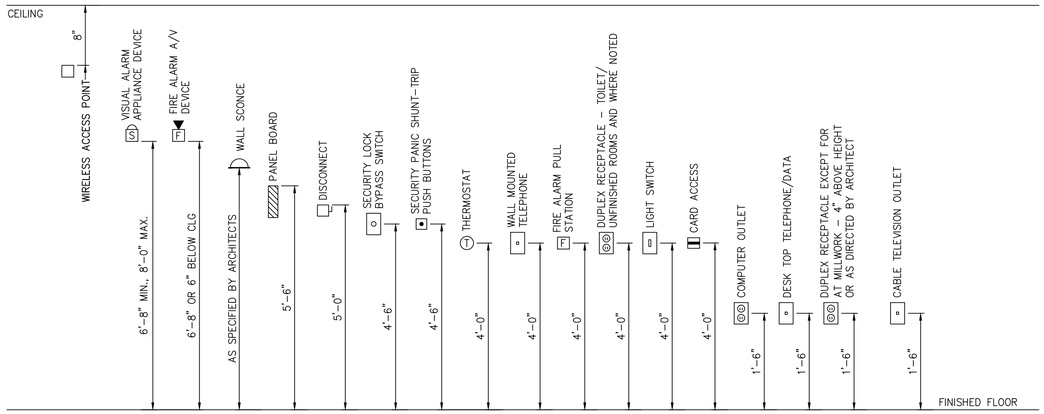
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DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 ONE LINE DIAGRAM

DRAWING NUMBER:
E–1602

SHEET OF

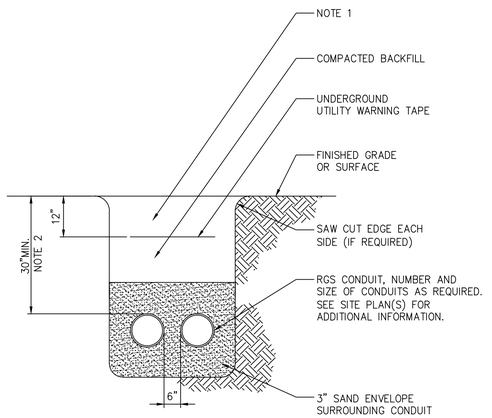
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MOUNTING ELEVATIONS NOTES:

1. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS, ELEVATIONS AND CASEWORK DETAILS.
2. IN LOCATIONS WHERE DEVICES ARE MOUNTED AT THE SAME HEIGHT, PROPERLY "GANG" DEVICES WHEN FEASIBLE AND PROVIDE A SINGLE COVER PLATE.
3. IN LOCATIONS WHERE DIFFERENT DEVICES ARE MOUNTED AT DIFFERENT HEIGHTS WITHIN FOUR FEET OF ONE ANOTHER, MOUNT DEVICES SUCH THAT THEY HAVE A COMMON CENTERLINE. IF THERE ARE THREE OR MORE DEVICES, THE CONTRACTOR SHALL REQUEST A DETAIL FROM THE ARCHITECT.
4. THE MOUNTING HEIGHT 1'-6" FOR OUTLETS IS NOT APPLICABLE IN CASE FIN TUBE RADIATORS ARE TO BE INSTALLED IN THE PROJECT. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. ELEVATIONS SHOWN ARE TYPICAL, EXCEPTIONS ARE NOTED ON PLANS.

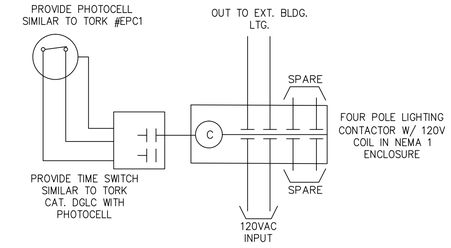
1 – NOT TO SCALE — TYPICAL DEVICE MOUNTING ELEVATIONS



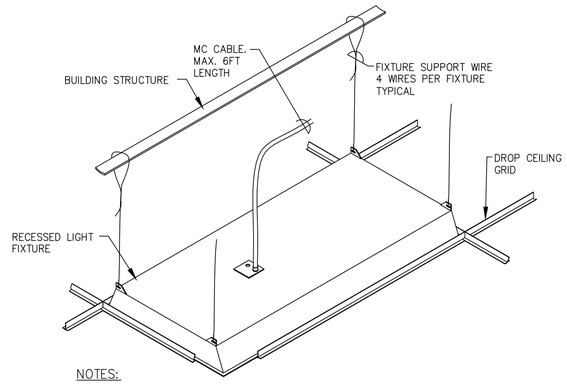
NOTE

1. REPLACE SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.
2. 30"MIN. OR 6" BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.

2 – NOT TO SCALE — TYPICAL DIRECT BURIED CONDUIT(S) DETAIL



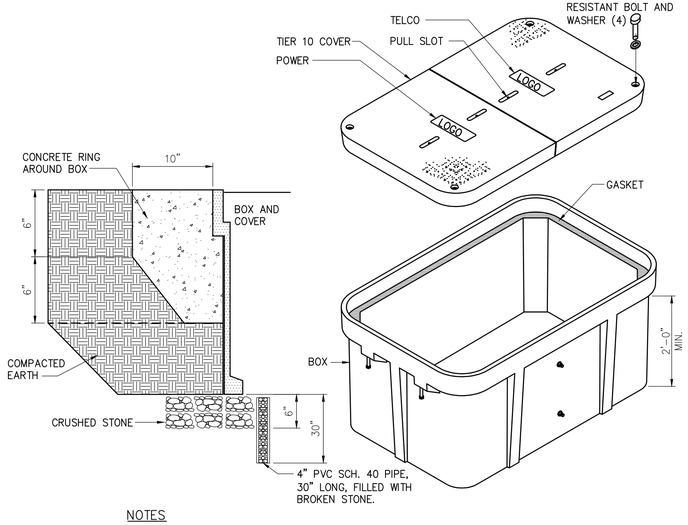
3 – NOT TO SCALE — TIMECLOCK WITH PHOTOCELL



NOTES:

1. DO NOT LAY MC CABLE ON SUSPENDED CEILING.

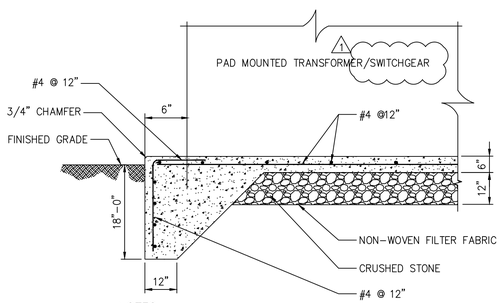
4 – NOT TO SCALE — FIXTURE SUPPORT



NOTES

1. SIZE HANDHOLE AT EACH LOCATION PER NEC. MINIMUM ACCEPTABLE SIZE IS 18"x18"x24".
2. PROVIDE ALL CONDUITS WITH A PULL ROPE.
3. REPLACE SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT CONCRETE, TOPSOIL AND GRASS.
4. INSTALL HANDHOLE BOX AT DEPTH REQUIRED TO BRING TOP OF HANDHOLE BOX COVER 2" ABOVE FINISHED GRADE IN LAWNS AND FLUSH WITH PAVED SURFACES OF WALKWAY, ROADS, PARKING SPACES, ETC.

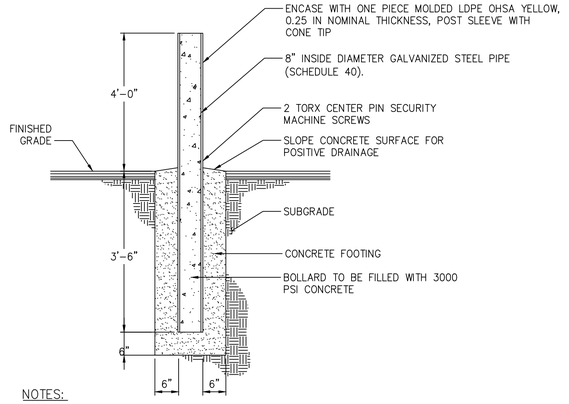
5 – NOT TO SCALE — PRECAST HANDHOLE



NOTES

1. CONCRETE MUST HAVE 3,000 PSI MINIMUM 28-DAY COMPRESSIVE STRENGTH. THE AIR ENTRAINMENT TO BE A MINIMUM OF 3% TO 5%.
2. CONCRETE TO CURE FOR MINIMUM OF 30 DAYS PRIOR TO PLACEMENT OF GENERATOR SET AND FUEL STORAGE TANK.

6 – NOT TO SCALE — CONCRETE PAD – DETAIL



NOTES:

1. MINIMUM COMPRESSIVE STRENGTH OF ALL CONCRETE IS 3,000 PSI @ 28 DAYS.
2. SLUMP OF NO GREATER THAN 4" (WITH A TOLERANCE OF 1") FOR ALL CONCRETE.
3. 5% ENTRAINED AIR (WITH A TOLERANCES OF 1%) CONFORMING WITH ASTM C260 FOR ALL CONCRETE.

7 – NOT TO SCALE — PIPE BOLLARD

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DESIGN & CONSTRUCTION

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

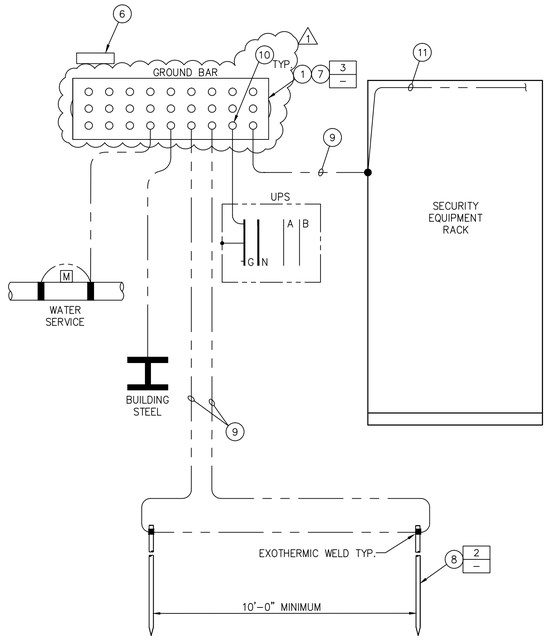
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

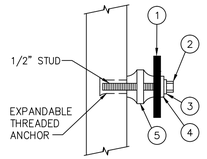
SHEET TITLE:
BUILDING 77 ELECTRICAL DETAILS

DRAWING NUMBER:
E-1610

SHEET OF

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36x24 PLOT SHEET





GROUND BUS BAR – SIDE VIEW

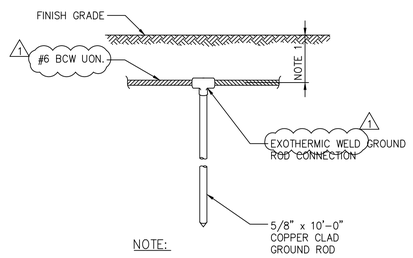
NOTES

1. UNLESS OTHERWISE NOTED, UTILIZE #6AWG FOR ALL GROUNDING CONDUCTORS.
2. UNLESS OTHERWISE NOTED, PROVIDE INSULATED GROUNDING CONDUCTORS.
3. PROVIDE GROUNDING SYSTEM AS INDICATED, PER NEC REQUIREMENTS.

GROUNDING DIAGRAM CODED NOTES

1. COPPER GROUND BAR. (1)
2. CAP SCREW 1/2"–13x1.
3. LOCK WASHER.
4. INSULATED WASHER.
5. FIBERGLASS REINFORCED POLYESTER INSULATED WITH 1/2"–13 THREADED HOLE BOTH ENDS.
6. ENGRAVED PHENOLIC PERMANENTLY ATTACHED LABEL READING "ELECTRICAL EQUIPMENT GROUND BUS".
7. PROVIDE BUILDING GROUND BAR LOCATED IN IT ROOM 1–145 ON EQUIPMENT BACKBOARD ON DRAWING EY–1101. INSTALL ON WALL WITH INSULATING STAND OFF. SEE SIDE VIEW. (1)
8. PROVIDE DRIVEN GROUND ROD AND/OR GROUNDING PLATE ON BUILDING EXTERIOR (TYP. OF 2).
9. PROVIDE #6 BARE COPPER WIRE WITH GREEN, THWN INSULATION.
10. PROVIDE (2) HOLE COMPRESSION LUG CONNECTION.
11. PROVIDE #6 BARE COPPER WIRE WITH GREEN, THWN INSULATION BONDED TO EACH SECURITY EQUIPMENT RACK.

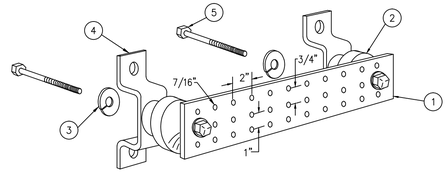
1 GROUNDING SYSTEM – SCHEMATIC DIAGRAM
– NOT TO SCALE



NOTE:

1. 30" MINIMUM.

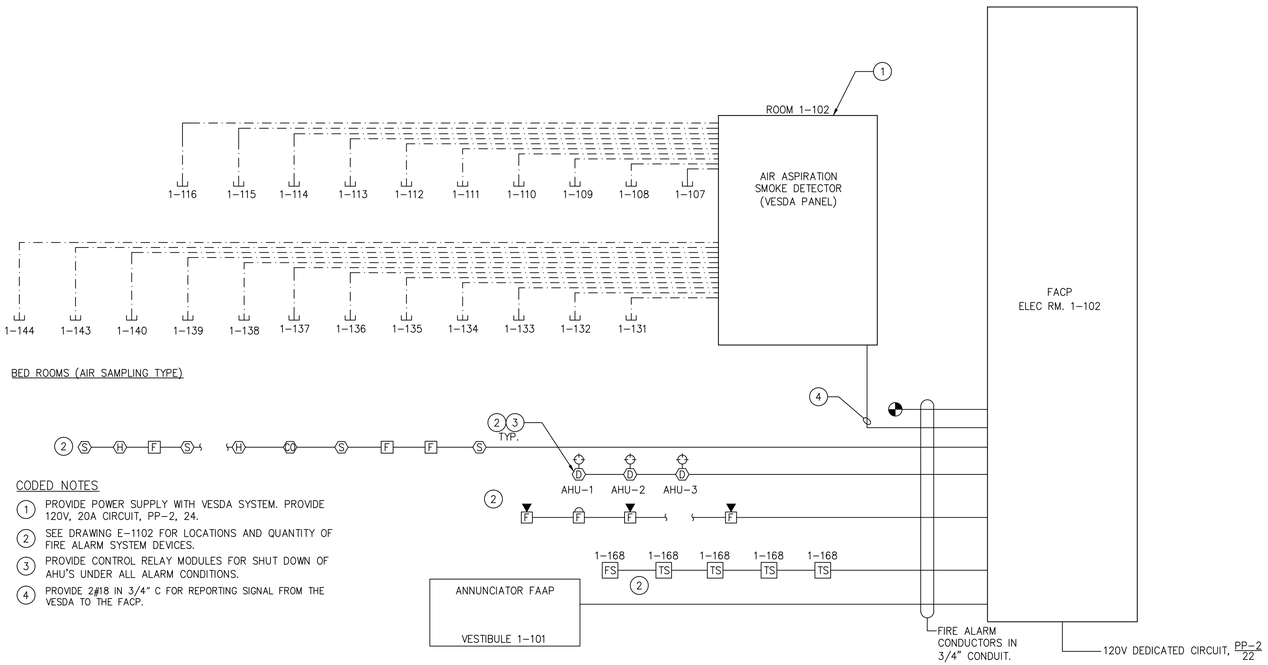
2 GROUND ROD DETAIL
– NOT TO SCALE



CODED NOTES

1. COPPER GROUND BAR, 1/4"x4"x20", SIMILAR TO NEWTON INSTRUMENT CO. CAT. NO. B–6142. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. INSULATORS, SIMILAR TO NEWTON INSTRUMENT CAT. NO. 3061–4
3. 5/8" LOCKWASHERS, SIMILAR TO NEWTON INSTRUMENT CO. CAT. NO. 3015–8
4. WALL MOUNTING BRACKET, SIMILAR TO NEWTON INSTRUMENT CO. CAT NO. A–6056
5. 5/8–11 x 1" H.H.C.S.BOLTS, SIMILAR TO NEWTON INSTRUMENT CO. CAT NO. 3012–1

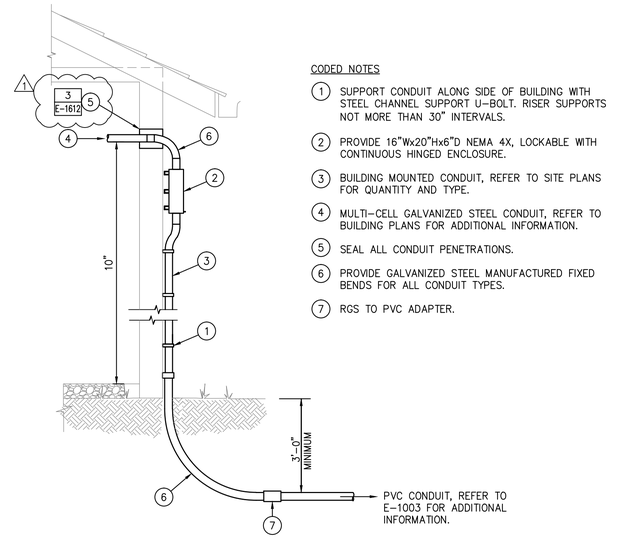
3 GROUND BAR DETAIL
– NOT TO SCALE



CODED NOTES

1. PROVIDE POWER SUPPLY WITH VESDA SYSTEM. PROVIDE 120V, 20A CIRCUIT, PP–2, 24.
2. SEE DRAWING E–1102 FOR LOCATIONS AND QUANTITY OF FIRE ALARM SYSTEM DEVICES.
3. PROVIDE CONTROL RELAY MODULES FOR SHUT DOWN OF AHU'S UNDER ALL ALARM CONDITIONS.
4. PROVIDE 2#18 IN 3/4" C FOR REPORTING SIGNAL FROM THE VESDA TO THE FACP.

4 FIRE ALARM RISER DIAGRAM
– NOT TO SCALE



CODED NOTES

1. SUPPORT CONDUIT ALONG SIDE OF BUILDING WITH STEEL CHANNEL SUPPORT U–BOLT. RISER SUPPORTS NOT MORE THAN 30" INTERVALS.
2. PROVIDE 16"Wx20"Hx6"D NEMA 4X, LOCKABLE WITH CONTINUOUS HINGED ENCLOSURE.
3. BUILDING MOUNTED CONDUIT, REFER TO SITE PLANS FOR QUANTITY AND TYPE.
4. MULTI–CELL GALVANIZED STEEL CONDUIT, REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.
5. SEAL ALL CONDUIT PENETRATIONS.
6. PROVIDE GALVANIZED STEEL MANUFACTURED FIXED BENDS FOR ALL CONDUIT TYPES.
7. RGS TO PVC ADAPTER.

NOTE

1. ROUTE CONDUIT HIGH, TO CEILING. COORDINATE CEILING HEIGHT IN FIELD.

5 BUILDING ENTERANCE CONDUIT ROUTING
– NOT TO SCALE

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 77 ELECTRICAL DETAILS

DRAWING NUMBER:

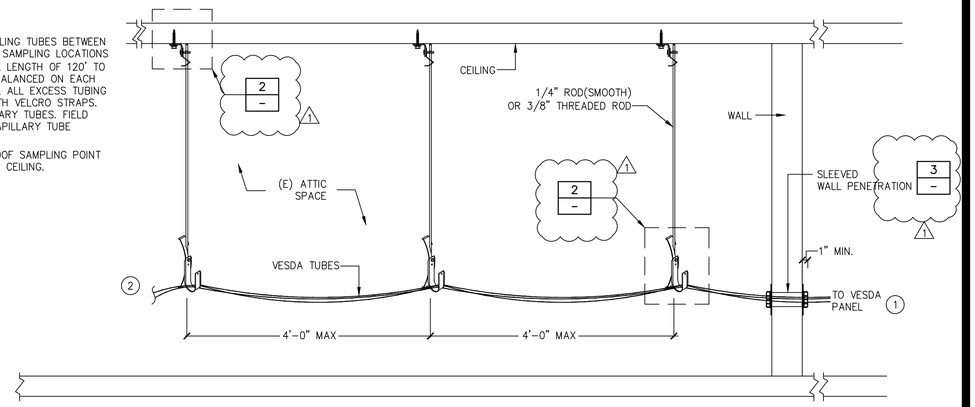
E–1611

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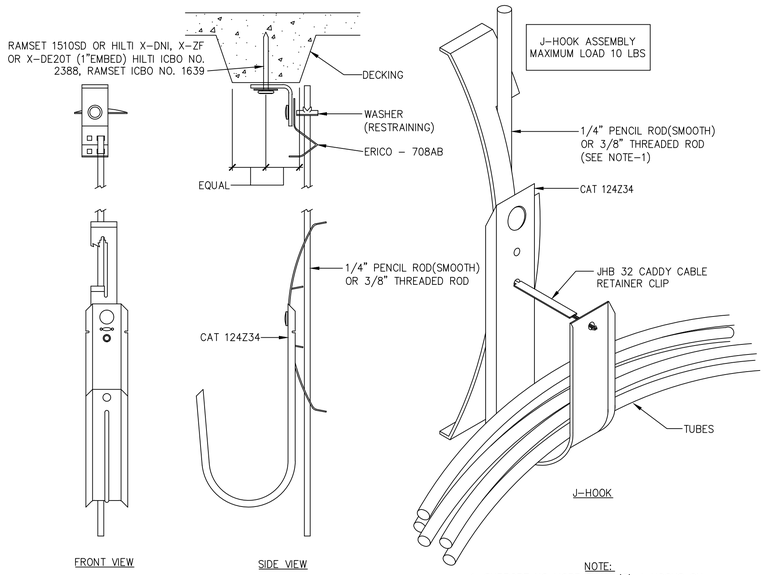
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36x24 PLOT SHEET

CODED NOTES

1. ALL STANDARD SAMPLING TUBES BETWEEN VESDA DETECTOR TO SAMPLING LOCATIONS SHALL BE ALL EQUAL LENGTH OF 120' TO BE PNEUMATICALLY BALANCED ON EACH SAMPLING PORT. COIL ALL EXCESS TUBING IN CEILING SPACE WITH VELCRO STRAPS. PROVIDE 6MM CAPILLARY TUBES. FIELD CONFIRM LONGEST CAPILLARY TUBE REQUIRED.
2. TO 6MM TAMPER PROOF SAMPLING POINT TERMINATIONS IN THE CEILING.

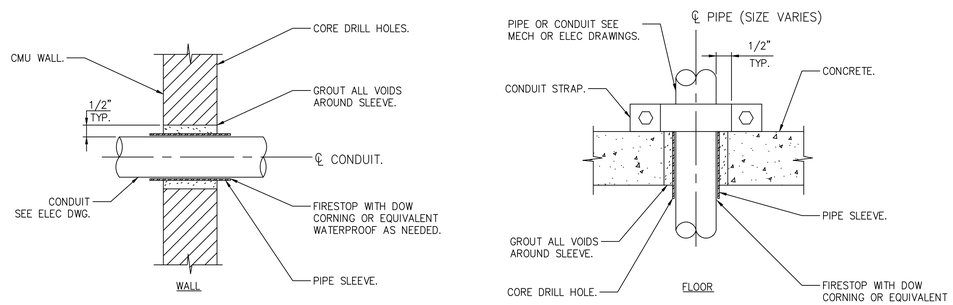


1 – AIR SAMPLING TUBE CEILING INSTALLATION
NOT TO SCALE



NOTE:
1. SUPPORT NO MORE THAN (3) J-HOOKS ON EACH ROD. DO NOT EXCEED 4'-0" SPACING ON CENTER FOR RODS.

2 – TYPICAL VESDA SYSTEM J-HOOK INSTALLATION
NOT TO SCALE



NOTE:
ANCHOR PIPE AS REQUIRED TO PREVENT MOVEMENT THRU PENETRATION.

3 – CONDUIT PENETRATION DETAIL
NOT TO SCALE

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375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

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NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**
PROJECT NUMBER:	45679 - E	
DESIGNED BY:	DAS	
DRAWN BY:	AKA	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:
BUILDING 77 VESDA DETAILS

DRAWING NUMBER:
E-1612

SHEET OF

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36x24 PLOT SHEET

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CEILING TYPES IN EACH SPACE AND FOR PROVIDING PROPER TRIMS FOR FIXTURES INDICATED.
2. ALL SUSPENDED LIGHT FIXTURES TO BE HUNG FROM STRUCTURE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL SUPPORTS, STEMS, THREADED ROD, STEEL CHANNELS AND RELATED EQUIPMENT.
3. ALL LIGHT FIXTURES TO BE INSTALLED IN SUSPENDED CEILINGS TO BE HUNG FROM STRUCTURE WITH APPROPRIATE SUSPENSION SYSTEM AND FIXTURE LOCK CLIPS TO CEILING GRID AS PER NEC 410-16.
4. PRIOR TO ORDERING ANY LIGHT FIXTURE CONTRACTOR IS TO VERIFY COLOR AND FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT.
5. FOR EXACT LOCATIONS OF LIGHT FIXTURES REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
6. ALL LIGHT FIXTURES UTILIZING EMERGENCY BATTERY DRIVER TO BE WIRED AHEAD OF ALL SWITCHES.
7. WIRE ALL EMERGENCY LIGHTING UNITS AHEAD OF ALL SWITCHES.

BUILDING 77 LIGHT FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DISCRIPTION	MOUNTING	LAMP(S)	VOLTS	WATTAGE (W)	MANUFACTURER & CATALOG NUMBER	COMMENTS
L1	LED	1x4 RECESSED CEILING MOUNTED LED LIGHT FIXTURE, 3000K, VANDAL RESISTANT.	RECESSED/ CEILING	LED	120	50	LUMINAIRE LED: RM14-F-A-1-3000K-120-277-B-1-CTX	
L2	LED	HIGH PERFORMANCE LED RECESSED 1X4 LIGHT FIXTURE, 3000 LUMENS, 4000K.	RECESSED/ CEILING	LED	120	30	LITHONIA LIGHTING: TL4-30L-FW-A12-EZ1-LP840	
L3	LED	HIGH PERFORMANCE 4' CEILING MOUNTED LED LIGHT FIXTURE WITH SYMMETRIC APERTURE REFLECTORS, 3800 LUMENS, 4000K.	SURFACE/ CEILING	LED	UNIV	32	MERCURY LIGHTING: LW4-4-3800-40K-HTA-UNI-SRA	
L4	LED	HIGH PERFORMANCE LED RECESSED 2X4 LIGHT FIXTURE, 3000 LUMENS, 4000K.	RECESSED/ CEILING	LED	120	25	LITHONIA LIGHTING: 2TL4-30L-FW-A12-EZ1-LP840	
L5	LED	EXTERIOR SURFACE MOUNTED LED LIGHT FIXTURE, 4000K.	WALL/CEILING	LED	120	15	LUMINAIRE LED: AOV13-15W-4000K-120-277-CP-BLK-EMB310-TX/SD	
L6	LED	15" DIAMETER SURFACE MOUNTED EXTERIOR LED SOFFIT LIGHT FIXTURE, 2000 LUMENS, 4000K.	SURFACE/ SOFFIT	LED	120	19	KENALL: RHR15D-W-PP-15L40K-DV-SC	
L7	LED	HIGH PERFORMANCE 4' LED STRIP LIGHT, 1800 LUMENS, 4000K, WET LOCATIONS.	SURFACE/ WALL	LED	120	24	LITHONIA LIGHTING: XWMLED	
L8	LED	SHOWER LIGHT.	RECESSED CEILING	LED	UNIV	30	DESIGN PLAN: SPL-2227-T-S-25-C-SS	PROVIDE WITH TAMPER PROOF TOREX SECURITY SCREWS AND TOOL
X1	LED	SINGLE SIDED LED EXIT SIGN WITH NI-CAD BATTERY AND SELF DIAGNOSTICS.	WALL/CEILING	LED	120	1	LITHONIA LIGHTING: LQM-S-3-R-120/277-ELN-SD	
X2	LED	DOUBLE SIDED LED EXIT SIGN WITH NI-CAD BATTERY AND SELF DIAGNOSTICS.	WALL/CEILING	LED	120	1	LITHONIA LIGHTING: LQM-S-3-R-120/277-ELN-SD	
LA	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND NI-CAD BATTERY.	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2-LED-SD	
LA2	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS, NI-CAD BATTERY AND THERMOPLASTIC VANDAL SHIELD.	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2-LED-SD-ELAVS	

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MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 77 LIGHTING SCHEDULE

DRAWING NUMBER:

E-1701

SHEET OF

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ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
A/V	AUDIBLE/VISUAL
AWG	AMERICAN WIRE GAUGE
BB	BACKBOARD
BCW	BARE COPPER WIRE
BATT	BATTERY
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
BFG	BELOW FINISHED GRADE
C	CONDUIT
CAB	CABINET
CATV	COMMUNITY ACCESS TELEVISION (CABLE TELEVISION)
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CUH	CABINET UNIT HEATER
CT	CURRENT TRANSFORMER
CU	COPPER
CWA	CONSTANT WATTAGE AUTOTRANSFORMER
△	DELTA CONNECTION
D	DEEP
DB	DECIBEL
DET	DETECTOR
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EBH	ELECTRIC BASEBOARD HEATER
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
EMER	EMERGENCY
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
F	FUSE(D)
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT (FEET)
FUT	FUTURE
FO	FIBER OPTIC
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HGT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
J.C.	JANITOR CLOSET
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
ML	MOTORIZED LOUVER
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTR	MOTOR
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OC	OVER COUNTER
OL	OVERLOAD
P	POLE(S)
PA	PUBLIC ADDRESS
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ø	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SPKR	SPEAKER
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
T-STAT	THERMOSTAT
TB	TERMINAL BOARD
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WC	WATER COOLER
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
Y	WYE CONNECTION

LIGHTING

REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE, LAMP, BALLAST, POWER REQUIREMENTS, MOUNTING HEIGHT AND MANUFACTURER.

$ — SINGLE POLE LIGHT SWITCH, SUBSCRIPT DENOTES:
- -3=3 WAY SWITCH
- -4=4 WAY SWITCH
- -O=OCCUPANCY WALL SWITCH
- -D=DIMMER SWITCH
- -a=LOWER CASE LETTER DENOTES CONTROL OF FIXTURE(S) AND/OR LAMPS WITH MATCHING LETTER

$$ — INSTALL SWITCHES IN THE SAME BOX WITH A MULTI-GANG COVER

#X, a — TYPICAL LIGHTING FIXTURE,
- X-INDICATES FIXTURE TAG INDENTIFICATION
- a-INDICATES BALLAST CONTROL SWITCHING
- #-INDICATES BRANCH CIRCUIT DESIGNATION

SHADING INDICATES EMERGENCY BALLAST OR GENERATOR CONNECTION

2X4 LIGHT FIXTURE

1X4 LIGHT FIXTURE

1X4 WALL MOUNTED LIGHT FIXTURE

2X2 LIGHT FIXTURE

STRIP TYPE FIXTURE

WALL MOUNTED STRIP TYPE FIXTURE

CEILING MOUNTED DOWN LIGHT

WALL MOUNTED LIGHT FIXTURE

WALL PACK

EXIT SIGN

EMEGENCY WALL PACK

PC — PHOTOCELL

TC — TIME CLOCK

S — STROBE LIGHT

RACEWAYS

CONDUIT CONCEALED AS SPECIFIED

CONDUIT TURNING UP

CONDUIT TURNING DOWN

PP-1 1/3/5 — HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)

CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED

UNDERGROUND CONDUIT

GROUND CONDUCTOR

GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT

INDICATES EXISTING DEVICES OR EQUIPMENT

F — FENCE MOUNTED CONDUIT

DEVICES AND APPURTENANCES

$ — SINGLE POLE TOGGLE SWITCH

DUPLEX RECEPTACLE, SUBSCRIPT DENOTES:
- -WP=WEATHER PROOF
- -OC=OVER COUNTER
- -E=UTILIZE EXISTING RACEWAY
- -S=SURFACE MOUNTED
- -42=MOUNTING HEIGHT OF 42 INCHES
- -GFI=GROUND FAULT INTERRUPTER

TWO - 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER

FLUSH FLOOR BOX BARRIERED COMPARTMENTS FOR POWER OUTLET; DATA OUTLET AND TELEPHONE OUTLET. PROVIDE BASE WITH BRASS COVER.

FLUSH FLOOR BOX w/POWER OUTLET & BRASS COVER

HARDWARE EQUIPMENT CONNECTION

GROUND ROD

SINGLE RECEPTACLE

J — JUNCTION BOX

CEILING FAN

MH — MANHOLE

HH — HANDHOLE

UH — UNIT HEATER

HD — HAND DRYER

ONE LINE DIAGRAMS

POWER TRANSFORMER

AMPS FRAME — 400AF
AMPS TRIP — 400AT
NR. of POLES — 3P
GFP — MOLDED CASE CIRCUIT BREAKER W/GROUND FAULT PROTECTION

AUTOMATIC TRANSFER SWITCH (ATS)

SAFETY DISCONNECT SWITCH - UNFUSED

NORMALLY OPEN CONTACT/RELAY

NORMALLY CLOSED CONTACT/RELAY

G — GENERATOR

CURRENT TRANSFORMER

FUSE

CIRCUIT TAG REFER TO CONDUIT AND CONDUCTOR SCHEDULE

GROUNDING CONNECTION

POTENTIAL TRANSFORMER

M — MOTOR

INDICATES EQUIPMENT ENCLOSURE

V — VARIABLE FREQUENCY DRIVE

TELECOMMUNICATIONS

COMBINATION DATA/TELEPHONE OUTLET BOX. MOUNT AT 18" AFF UON. PROVIDE WITH TWO GANG RECESSED BOX WITH SINGLE GANG MUD RING, 1" CONDUIT UP TO ACCESSIBLE CEILING SPACE, AND (2) CAT 6 CABLES BACK TO NEAREST DATA RACK. PROVIDE OUTLET WITH (2) CAT 6 DATA JACKS AND COVER PLATE.

MICROPHONE OR HEADSET/MICROPHONE OUTLET

MICROPHONE

WALL MOUNTED IT EQUIPMENT RACK AND IT EQUIPMENT

— FLOOR MOUNTED SECURITY EQUIPMENT RACK. DOOR INDICATES FRONT OF RACK
- INDICATES SECURITY EQUIPMENT RACK NUMBER.

FIRE ALARM SYMBOLS

FACP — FIRE ALARM CONTROL PANEL

FAAP — FIRE ALARM ANNUNCIATOR PANEL

F — MANUAL FIRE ALARM STATION (45" AFF)

B — FIRE ALARM BELL

F — FIRE COMBINATION HORN/STROBE ALARM

F — VISUAL ALARM APPLIANCE (15 CANDELA STROBE UON BY SUBSCRIPT NUMBER)

S — SMOKE DETECTOR

D — DUCT SMOKE DETECTOR WITH SAMPLING TUBE, REMOTE INDICATOR, AUXILIARY CONTACTS AND REMOTE KEY OPERATED RESET SWITCH

H — HEAT DETECTOR: 135° FIXED TEMPERATURE U.O.N. BY SUBSCRIPT NUMBER; ROR = RATE OF RISE

SV — FIRE SUPRESSION SOLENOID RELEASE VALVE

AIR ASPIRATION SMOKE DETECTOR PORT

PS — PRESSURE SWITCH

TS — TAMPER SWITCH

FS — FLOW SWITCH

END OF LINE RESISTOR

KB — KNOX BOX

VEA — MULTI-PORT ADDRESSABLE AIR ASPIRATION SMOKE DETECTOR

POST INDICATOR VALVE

D — OVERHEAD DOOR CLOSING DEVICE

XX — CARBON MONOXIDE DETECTOR

POWER DISTRIBUTION EQUIPMENT

SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON

RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON

DISTRIBUTION PANEL

30/3 — NON-FUSED SAFETY SWITCH DISCONNECT RATING/POLES

30/3/15 — FUSIBLE SAFETY SWITCH DISCONNECT RATING/POLES/FUSE RATING

T — TRANSFORMER

MOTOR STARTER

COMBINATION MOTOR STARTER

UH — UNIT HEATER

M — MOTORIZED DAMPER

MANUAL STARTER WITH OVERLOAD RELAY, POLES AND VOLTAGE AS REQUIRED

GENERAL

(#) — NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE

◇# — NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER

X / XXX — DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CONSTRUCTION, ELECTRICAL, HVAC AND PLUMBING CONTRACT DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).

2. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. DETERMINE EXACT LOCATION OF ALL CONDUIT RUNS IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.

3. CONCEAL ALL CONDUITS AND/OR WIRING WITHIN WALLS, UNDERFLOORS AND/OR ABOVE SUSPENDED CEILINGS.

ENERGY CODE COMPLIANCE STATEMENT:

THE DESIGN PROFESSIONAL WHO SIGNED AND SEALED THESE DOCUMENTS STATES THAT, TO THE BEST OF THEIR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, SUCH DOCUMENTS COMPLY WITH THE ENERGY CODE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

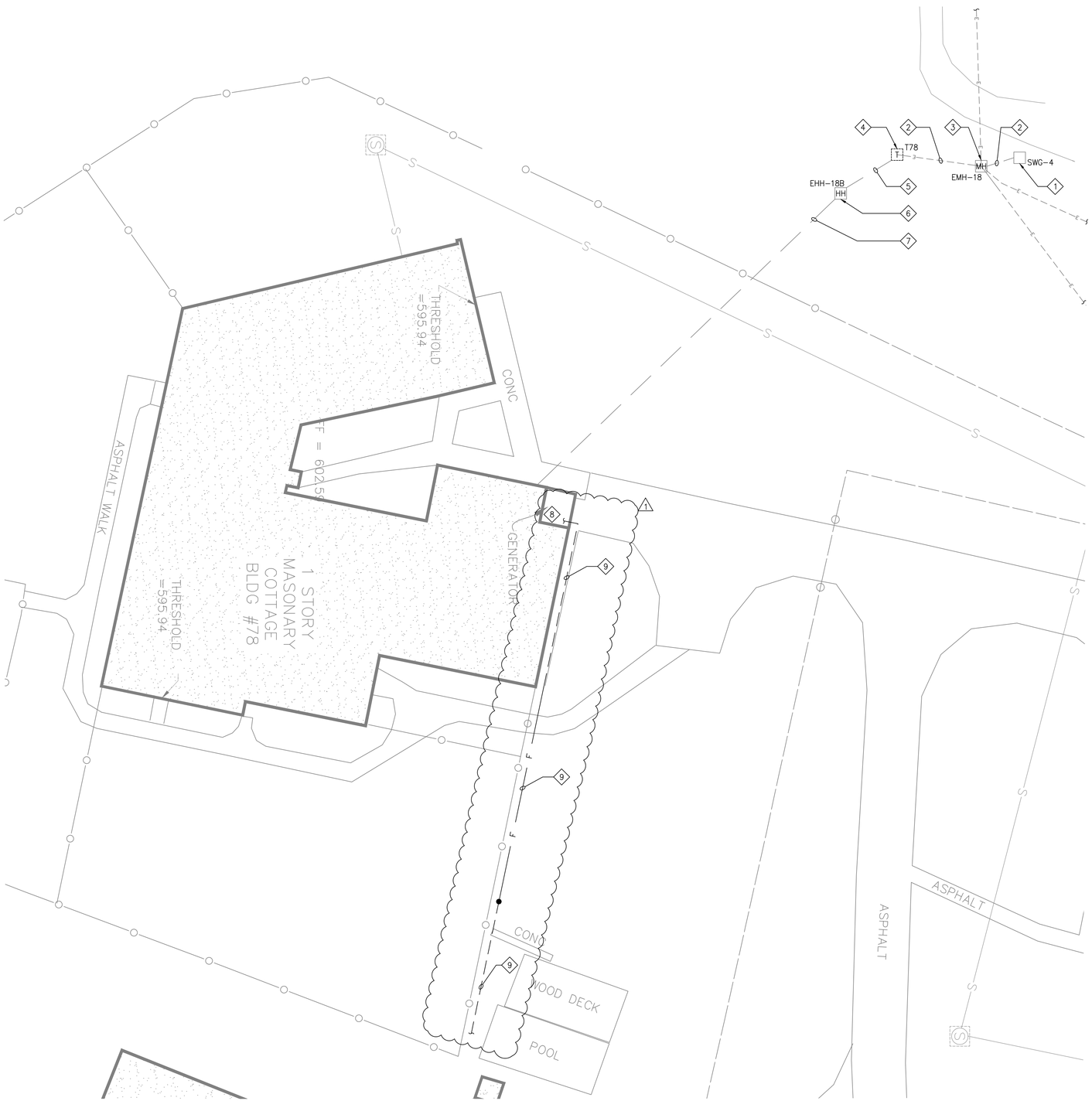
BUILDING 78 ELECTRICAL LEGEND AND ABBREVIATIONS

DRAWING NUMBER:

E-2001

SHEET OF

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36x24 PLOT SHEET



BUILDING 78 PARTIAL SITE ELECTRICAL REMOVALS PLAN
1" = 16'

GRAPHIC SCALE (FEET)
1"=16' 0' 16' 32' 48' 64' 80'

GENERAL NOTES

1. REFER TO DRAWING E–2601 FOR ADDITIONAL INFORMATION.
2. SCHEDULE AND COORDINATE ALL INTERRUPTIONS OF POWER FOR DEMOLITION WITH THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ELECTRICAL CIRCUITS FEEDING FROM OR THROUGH THE CONTRACT AREA.
3. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.

REMOVAL CODED NOTE

1. APPROXIMATE LOCATION OF SWITCH SWG–4, EQUIPMENT TO REMAIN.
2. REMOVE AND DISCARD MEDIUM VOLTAGE CONDUCTORS BETWEEN SWG–4 AND PRIMARY SIDE OF TRANSFORMER T78.
3. APPROXIMATE LOCATION OF ELECTRICAL MANHOLE EMH–18, MANHOLE TO REMAIN.
4. DISCONNECT AND REMOVE 50 kVA, 7.62 kV – 240/120 VOLT, SINGLE PHASE, PAD MOUNTED TRANSFORMER. REMOVE CONCRETE PAD COMPLETE.
5. APPROXIMATE LOCATION OF CONDUIT (4"), CONDUIT TO REMAIN, REMOVE AND DISCARD CONDUCTORS BETWEEN TRANSFORMER SECONDARY AND BUILDING MDP.
6. APPROXIMATE LOCATION OF ELECTRICAL HANDHOLE EHH–18B, HANDHOLE TO REMAIN.
7. APPROXIMATE LOCATION OF CONDUIT (2"), CONDUIT TO REMAIN, REMOVE AND DISCARD CONDUCTORS BETWEEN TRANSFORMER SECONDARY AND BUILDING MDP. LABEL CONDUIT AS SPARE AT EACH END.
8. SEE DRAWING E–2101 FOR CONTINUATION. (1)
9. DISCONNECT AND REMOVE CONDUIT AND WIRING BACK TO SOURCE IN ITS ENTIRETY.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

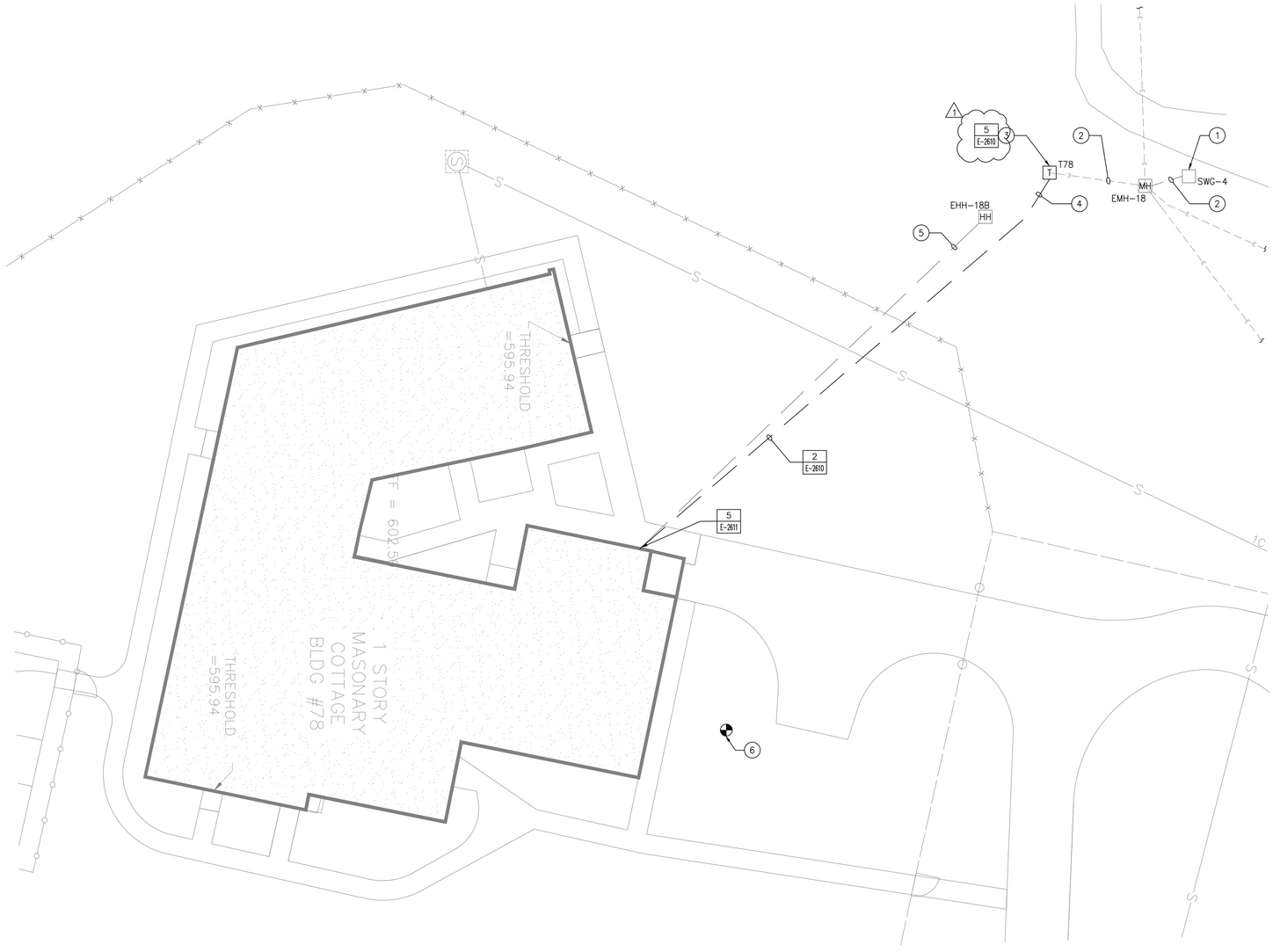
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 PARTIAL SITE ELECTRICAL REMOVALS PLAN

DRAWING NUMBER:
E–2002

SHEET OF

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36x24 PLOT SHEET



BUILDING 78 PARTIAL SITE ELECTRICAL PLAN
1" = 16'

GRAPHIC SCALE (FEET)
1"=16' 0' 16' 32' 48' 64' 80'

GENERAL NOTES

1. REFER TO DRAWING E-2602 FOR ADDITIONAL INFORMATION.

CODED NOTES

1. APPROXIMATE LOCATION OF EXISTING MEDIUM VOLTAGE SWITCH SWG-4.
2. PROVIDE MEDIUM VOLTAGE CONDUCTORS BETWEEN SWG-4 AND PRIMARY SIDE OF TRANSFORMER T78. REFER TO DRAWING E-2602 FOR FEEDER SIZE.
3. PROVIDE 150 KVA, 13.2kV PRIMARY, 208/120 VOLT SECONDARY 3 PHASE TRANSFORMER IN NEMA 3R ENCLOSURE. MOUNT ON CONCRETE PAD PER MANUFACTURER'S REQUIREMENTS.
4. PROVIDE 4" PVC CONDUIT. ROUTE NEW CONDUCTORS BETWEEN TRANSFORMER SECONDARY AND BUILDING MDP IN NEW CONDUIT. REFER TO DRAWING E-2602 FOR FEEDER SIZE.
5. 2" CONDUIT RETAINED FROM REMOVALS.
6. PROVIDE 3/4" CONDUIT AND WIRING FROM POST INDICATOR VALVE TO FIRE ALARM CONTROL PANEL (FACP) IN BUILDING 78.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

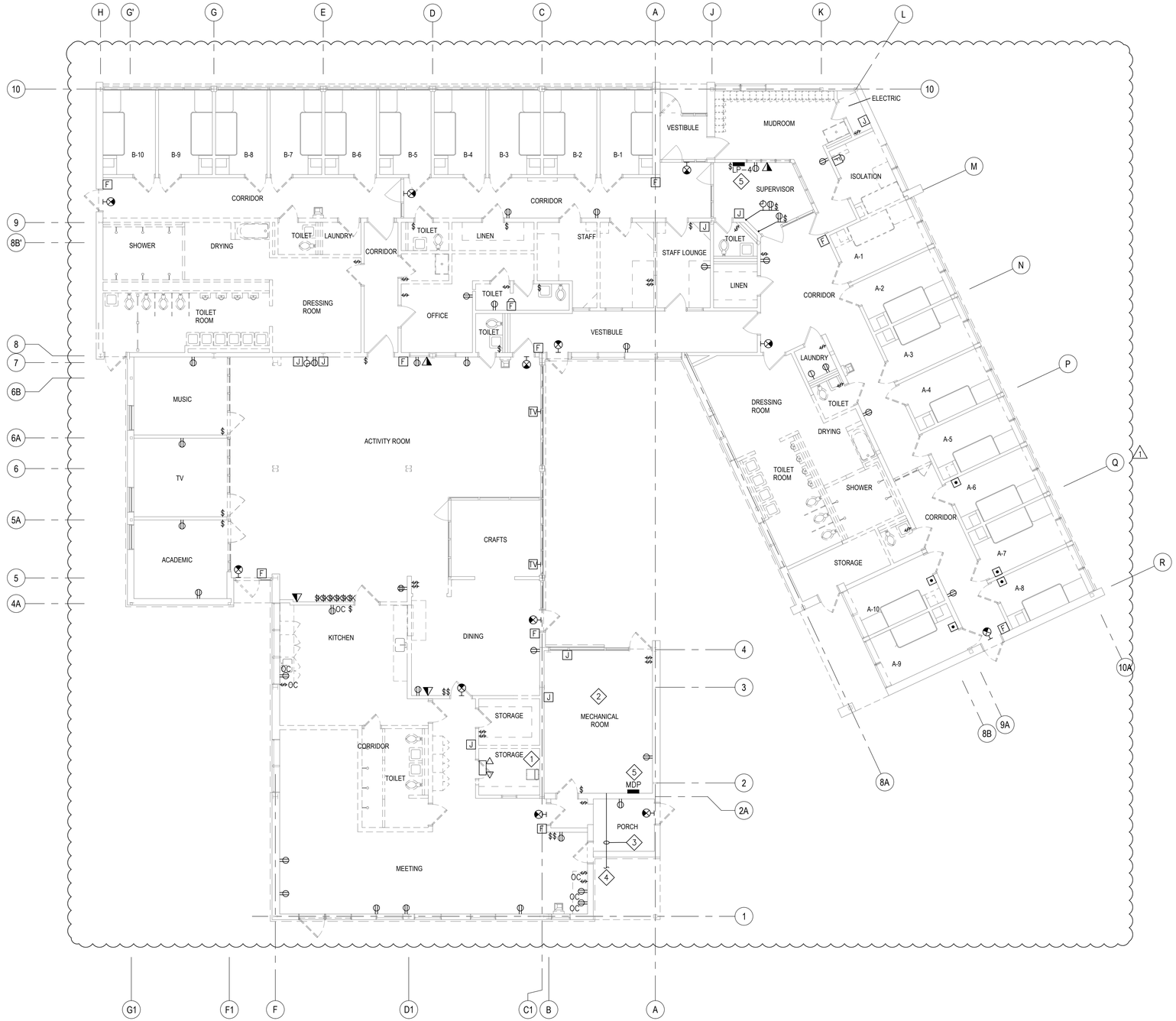
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 PARTIAL SITE ELECTRICAL PLAN

DRAWING NUMBER:
E-2003

SHEET OF

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36x24 PLOT SHEET



BUILDING 78 ELECTRICAL REMOVALS PLAN
1/8" = 1'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL REMOVAL NOTES

1. DEVICES SHOWN BOLD ARE FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED. THESE LOCATIONS REPRESENT RECESSED BOXES AND RACEWAYS TO REMAIN. REFER TO DRAWING E-2102 FOR LOCATIONS IN WHICH RECESSED BOXES AND RACEWAYS WILL BE REUSED. PROVIDE BLANK COVER PLATE FOR ALL UNUSED RECESSED BOXES.
2. SCHEDULE AND COORDINATE INTERRUPTIONS OF POWER FOR DEMOLITION WITH THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ALL ELECTRICAL CIRCUITS FEEDING FROM OR THROUGH THE CONTRACT AREA.
3. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.

CODED NOTES

1. ALL TELECOM RELATED EQUIPMENT/DEVICES WITHIN STORAGE ROOM ARE TO REMAIN.
2. ELECTRICAL EQUIPMENT/DEVICES NOT SHOWN IN MECHANICAL ROOM ARE TO REMAIN.
3. DISCONNECT AND REMOVE SURFACE MOUNTED CONDUIT AND WIRING BACK TO SOURCE IN ITS ENTIRETY.
4. SEE DRAWING E-2002 FOR CONTINUATION.
5. DISCONNECT AND REMOVE CONDUIT AND WIRING BETWEEN 'MDP' AND 'PP-4' COMPLETE. PANELS HAVE BEEN REMOVED PREVIOUSLY, LOCATIONS SHOWN FOR REFERENCE ONLY.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 ELECTRICAL REMOVALS PLAN

DRAWING NUMBER:
E-2101

SHEET OF

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36x24 PLOT SHEET

GENERAL NOTES

1. EACH RECEPTACLE TAGGED WITH SUBSCRIPT 'E' WILL UTILIZE RECESSED JUNCTION BOX AND CONDUIT TO ABOVE CEILING.
2. WHERE RECESSED RACEWAYS ARE UTILIZED, CONNECT CONDUIT CARRYING BRANCH CIRCUITS WITH COUPLINGS ABOVE CEILING.
3. (1) REFER TO MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR LOCATIONS OF MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT.

CODED NOTES

(1) CONDUIT AND WIRE FOR POWER TO FAS ENCLOSURE. REFER TO DRAWING E-0003 FOR CONTINUATION.

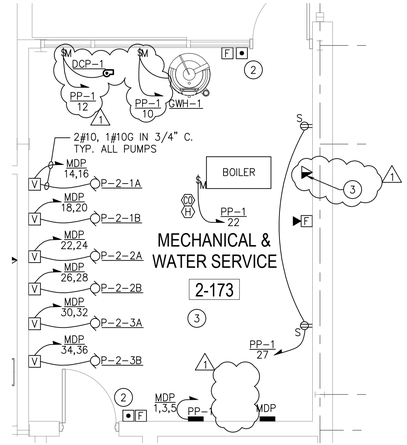
(2) PROVIDE EMERGENCY BOILER SHUT OFF SWITCH 54" ABOVE FINISHED FLOOR. WIRE TO BOILER TO SHUT DOWN ALL BOILER OPERATIONS WHEN SWITCHED.

(3) PROVIDE DATA DROP AND CONNECTION FROM BOILER TO BUILDING MANAGEMENT SYSTEM.

BUILDING 78 POWER & SYSTEMS PLAN

1/8" = 1'

GRAPHIC SCALE (FEET) 1/4"=1' 0' 4' 8' 12' 16' 20'



1 – ENLARGED MECHANICAL AND WATER SERVICE ROOM

1/4" = 1'

GRAPHIC SCALE (FEET) 1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 78 POWER & SYSTEMS PLAN

DRAWING NUMBER:

E-2102

SHEET OF

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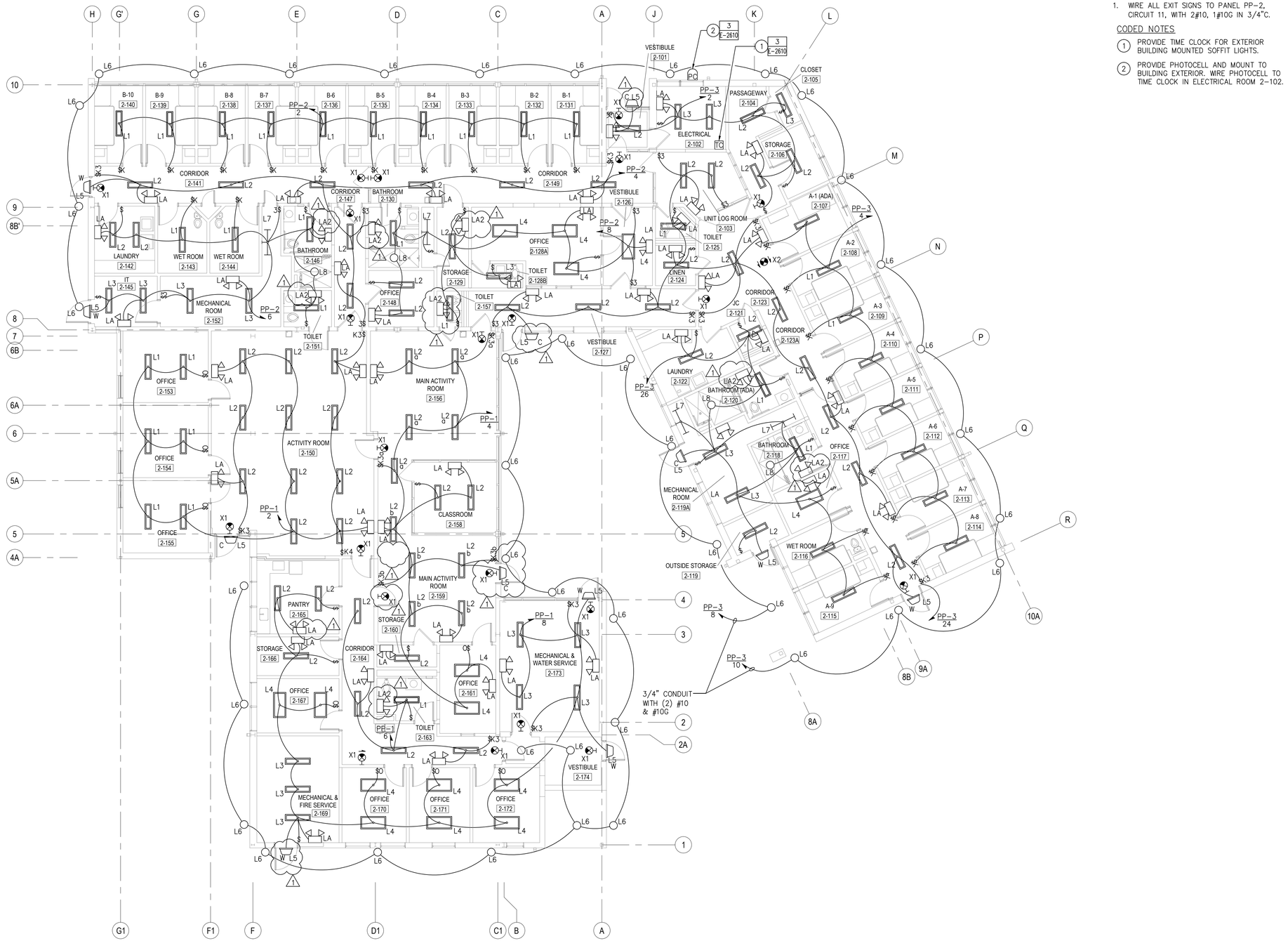
36x24 PLOT SHEET

GENERAL NOTE

1. WIRE ALL EXIT SIGNS TO PANEL PP-2, CIRCUIT 11, WITH 2#10, 1#10G IN 3/4"C.

CODED NOTES

1. PROVIDE TIME CLOCK FOR EXTERIOR BUILDING MOUNTED SOFFIT LIGHTS.
2. PROVIDE PHOTOCELL AND MOUNT TO BUILDING EXTERIOR. WIRE PHOTOCELL TO TIME CLOCK IN ELECTRICAL ROOM 2-102.



BUILDING 78 LIGHTING PLAN
1/8" = 1'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 LIGHTING PLAN

DRAWING NUMBER:
E-2103

SHEET OF

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36x24 PLOT SHEET

LOCATION: MECHANICAL RM 2-172
MOUNTING: SURFACE
SOURCE: XFMR-78

PANEL ID: MDP

VOLTS, PHASE, WIRE: 280/120V,3ø,4W
MAINS: 400A MCB
SHORT CIRCUIT RATING: 42KAIC
SERVICE RATED: YES

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	PANEL PP-1	125/3		50/3	AHU-2-3 BLOWER UNIT #1	2
3						4
5						6
7	PANEL PP-2	125/3		60/3	SPARE	8
9						10
11						12
13	PANEL PP-3	125/3		30/2	PUMP P-2-1A	14
15						16
17						18
19	ACCU-AHU-2-3	90/3		30/2	PUMP P-2-1B	20
21						22
23				30/2	PUMP P-2-2A	24
25	SPARE	50/3		30/2	PUMP P-2-2B	26
27						28
29				30/2	PUMP P-2-3A	30
31	PREPARED SPACE		1			32
33	PREPARED SPACE			30/2	PUMP P-2-3B	34
35	PREPARED SPACE					36
37	PREPARED SPACE				PREPARED SPACE	38
39	PREPARED SPACE				PREPARED SPACE	40
41	PREPARED SPACE				PREPARED SPACE	42

LOCATION: MECHANICAL RM 2-172
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-1

VOLTS, PHASE, WIRE: 280/120V,3ø,4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: OFFICE 2-153, OFFICE 2-154	20/1		20/1	LGT: ACTIVITY RM 2-150,ADJ OFFICES	2
3	REC: OFFICE 2-155	20/1		20/1	LGT: MAIN ACT RM 2-156,2-159, CLASSROOM 2-158	4
5	REC: PANTRY 2-165, STORAGE 2-166	20/1		20/1	LGT: CORRIDOR 2-164, TOILET 2-163	6
7	REC: OFFICE 2-166, OFFICE 2-167	20/1		20/1	LGT: 2-173, 2-172, 2-171, 2-170, 2-169, 2-167, 2-166, 2-165	8
9	REC: MECH. & FIRE SERVICE 2-169	20/1		20/1	GAS GWH-1	10
11	REC: OFFICE 2-170, OFFICE 2-171	20/1		20/1	PUMP DCP-1	12
13	REC: OFFICE 2-172, 2-174	20/1		20/1	SPARE	14
15	REC: ACTIVITY ROOM 2-150	20/1		20/1	EF-2-3 & CORR. 2-164 REC.	16
17	REC: MAIN ACTIVITY ROOM 2-156	20/1		20/1	TEMPERATURE CONTROLLED PANEL	18
19	REC: PANTRY 2-165	20/1		20/1		20
21	REC: CLASSROOM 2-158	20/1		20/1	BOILER	22
23	HAND DRYER RM. 2-163	20/1	1	20/1	REC: MAIN ACTIVITY RM. 2-159, STORAGE 2-160	24
25	REC: OFFICE 2-161	20/1		20/3	SPARE	26
27	REC: MECHANICAL ROOM 2-173	20/1				28
29	WATER COOLER 2-150	20/1				30
31	WATER COOLER 2-164	20/1		20/1	SPARE	32
33	WATER COOLER 2-156	20/1		20/1	SPARE	34
35	WATER COOLER 2-141	20/1		20/1	SPARE	36
37	SPARE	20/1		15/3	RF-2-3	38
39	SPARE	20/1				40
41	EF-2-4	25/1				42

LOCATION: ELECTRICAL RM 2-102
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-2

VOLTS, PHASE, WIRE: 280/120V,3ø,4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: LAUNDRY 2-142	20/1		20/1	LGT: BEDROOMS	2
3	REC: STORAGE 2-152, IT RM 2-145	20/1		20/1	LGT: CORR 2-141, CORR 2-149	4
5	REC: CORR 2-149,2-147,2-141, STOR 2-129	20/1		20/1	LGT: 2-152,2-145,2-142,WETROOMS,BATHROOMS	6
7	REC: OFFICE 2-148, VEST 2-127	20/1		20/1	LGT: OFFICE 2-128A, VESTIBULE 2-126	8
9	REC: OFFICE 2-128A, VEST. 2-126	20/1		20/1	RF-2-1	10
11	LGT: EXIT SIGNS	20/1		20/1	RF-2-2	12
13	SPARE	20/1			PREPARED SPACE	14
15	DRYER	30/2			PREPARED SPACE	16
17					PREPARED SPACE	18
19	SPARE	25/2			PREPARED SPACE	20
21				20/1	FACP	22
23	CUH-2-1	20/1		20/1	VESDA POWER SUPPLY	24
25	WATER COOLER 2-149	20/1		20/1	SPARE	26
27	HAND DRYER RM. 2-146	20/1	1	20/1	SPARE	28
29	HAND DRYER RM. 2-151	20/1		20/1	SPARE	30
31	HAND DRYER RM. 2-130	20/1		20/3	AHU-2-1 BLOWER UNIT #1	32
33	PREPARED SPACE					34
35	PREPARED SPACE					36
37	PREPARED SPACE					38
39	PREPARED SPACE			50/3	AHU-2-1 CONDENSING UNIT	40
41	PREPARED SPACE					42

LOCATION: ELECTRICAL RM 2-102
MOUNTING: SURFACE
SOURCE: MDP

PANEL ID: PP-3

VOLTS, PHASE, WIRE: 280/120V,3ø,4W
MAINS: 125A MCB
SHORT CIRCUIT RATING: 42KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC: UNIT LOG ROOM 2-103	20/1		20/1	LGT: 2-106, 2-105, 2-104, 2-102, 2-101	2
3	REC: LAUNDRY 2-122	20/1		20/1	LGT: BEDROOMS	4
5	REC: LAUNDRY 2-122 WASHER	20/1		20/1	LGT: BATHROOMS, WET RMS, LAUNDRY	6
7	REC: OFFICE 2-117	20/1		20/1	LGT: SOFFIT LIGHTS	8
9	HAND DRYER RM. 2-120	20/1	1	20/1	LGT: SOFFIT LIGHTS	10
11	REC: 2-104, 2-105, 2-106, 2-123, 2-124	20/1		40/2	FAS UPS	12
13	REC: ELECTRICAL 2-102	20/1				14
15	EF-2-5, REC: MECH RM 2-119A, OUTSDE STOR 2-119	20/1		20/1	EF-2-2, REC: CORRIDOR 2-123A, JC 2-121	16
17	DRYER	30/2		30/1	SECURITY EQUIPMENT RACK #1	18
19				30/1	SECURITY EQUIPMENT RACK #2	20
21	SPARE	20/1		20/1	HAND DRYER RM. 2-118	22
23	SPARE	20/1		20/1	LGT: 2-123A, 2-123, 2-127, 2-103, 2-124, 2-125	24
25	WATER COOLER 2-123	20/1		20/1	LGT: 2-122, 2-121, 2-120	26
27	WATER COOLER 2-123A	20/1			PREPARED SPACE	28
29	PLC NORMAL POWER	20/1			PREPARED SPACE	30
31	PREPARED SPACE			20/3	AHU-2-2 BLOWER UNIT#1	32
33	PREPARED SPACE					34
35	PREPARED SPACE					36
37	PREPARED SPACE			50/3	AHU-2-2 CONDENSING UNIT	38
39	UH-2-1	20/1				40
41	EF-2-1 NORTH WING	20/1				42

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**
MARK	DATE	DESCRIPTION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 PANEL SCHEDULES

DRAWING NUMBER:
E-2401

SHEET OF

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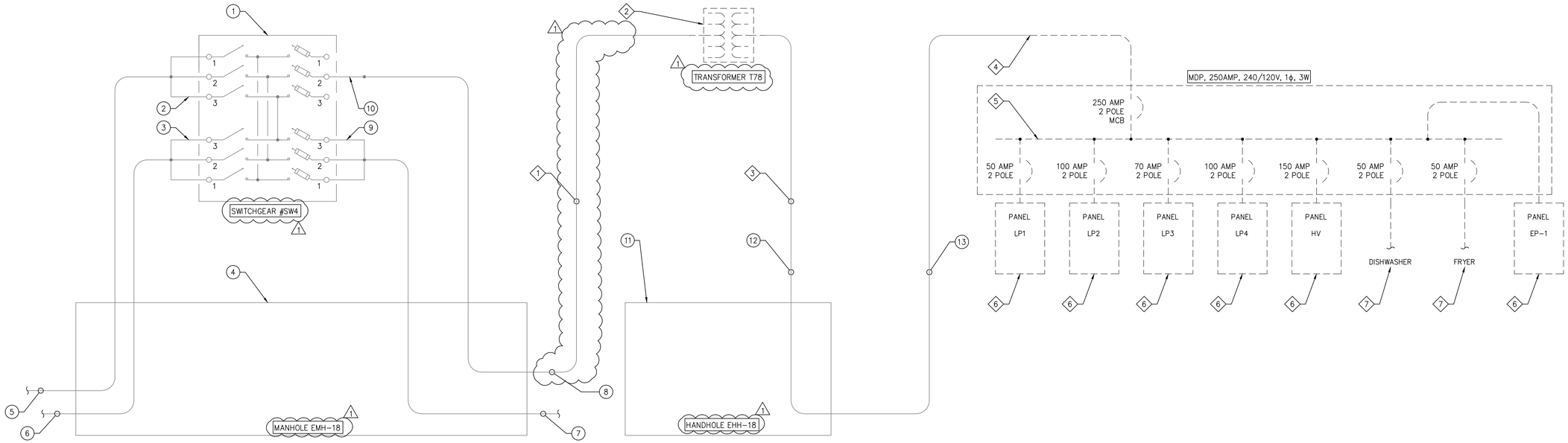
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REMOVAL CODED NOTES

1. DISCONNECT AND REMOVE CONDUCTORS FROM BETWEEN TRANSFORMER AND PAD MOUNTED SWITCHGEAR #SW4 AND THE ASSOCIATED 10 kV RATED FUSE. (1 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED) RETAIN CONDUIT FOR RE–USE. SEE DRAWING E–2602 FOR ADDITIONAL INFORMATION.
2. DISCONNECT AND REMOVE 50 kVA, 7.62 kV – 240/120 VOLT, SINGLE PHASE, TRANSFORMER AND ASSOCIATED CONCRETE PAD COMPLETE.
3. DISCONNECT AND REMOVE CONDUCTORS BETWEEN TRANSFORMER AND PANEL "MDP" (3 – 4/0 CONDUCTORS, 600 V RATED).
4. DISCONNECT AND REMOVE SERVICE ENTRANCE CONDUIT BACK TO 6" ABOVE FINISHED FLOOR AND CAP. ABANDON CONDUIT IN PLACE. CAP CONDUIT IN HANDHOLE #18 AND PROVIDE LABEL ON EACH END AS FOLLOWS: "2" PVC CONDUIT TO ELECTRICAL HANDHOLE #18" IN BUILDING AND "2" PVC CONDUIT TO MAIN ELECTRIC ROOM" IN HANDHOLE 18.
5. REMOVE AND DISCARD EXISTING MAIN DISTRIBUTION PANEL.
6. REMOVE AND DISCARD EXISTING SUB–PANEL AND ASSOCIATED BRANCH CIRCUITS AND FEEDERS AND CONDUIT BACK TO THE MAIN DISTRIBUTION PANEL.
7. REMOVE AND DISCARD EXISTING DEDICATED EQUIPMENT FEEDERS AND ASSOCIATED CONDUIT BACK TO THE MAIN DISTRIBUTION PANEL.

CODED NOTES

1. SWITCHGEAR ENCLOSURE #4.
2. MEDIUM VOLTAGE SWITCH #207.
3. MEDIUM VOLTAGE SWITCH #208.
4. ELECTRICAL MANHOLE #12.
5. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #3 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
6. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #5 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
7. OUTGOING CONDUCTORS TO TRANSFORMER #90 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
8. OUTGOING CONDUCTORS TO TRANSFORMER #78 (1 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
9. FUSE RATINGS AS FOLLOWS: 1 = 20 kV, 2 = 20 kV, 3 = 20 kV.
10. FUSE RATINGS AS FOLLOWS: 1 = SPARE, 2 = 15 kV, 3 = SPARE.
11. ELECTRICAL HANDHOLE #18.
12. 4" CONDUIT FROM TRANSFORMER TO HANDHOLE #18.
13. 2" CONDUIT FROM HANDHOLE #18 TO EXISTING MAIN DISTRIBUTION PANEL.



1 BUILDING 78 REMOVALS ONE LINE DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT:
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TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

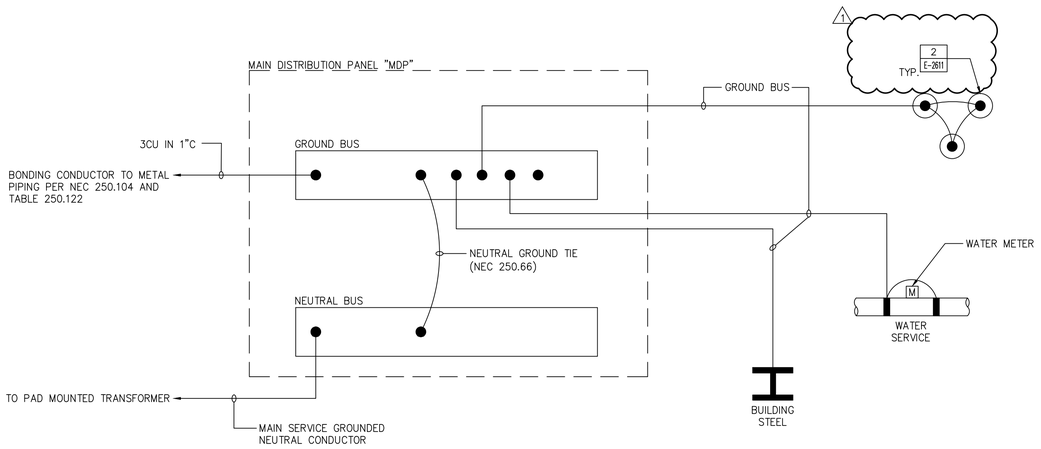
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

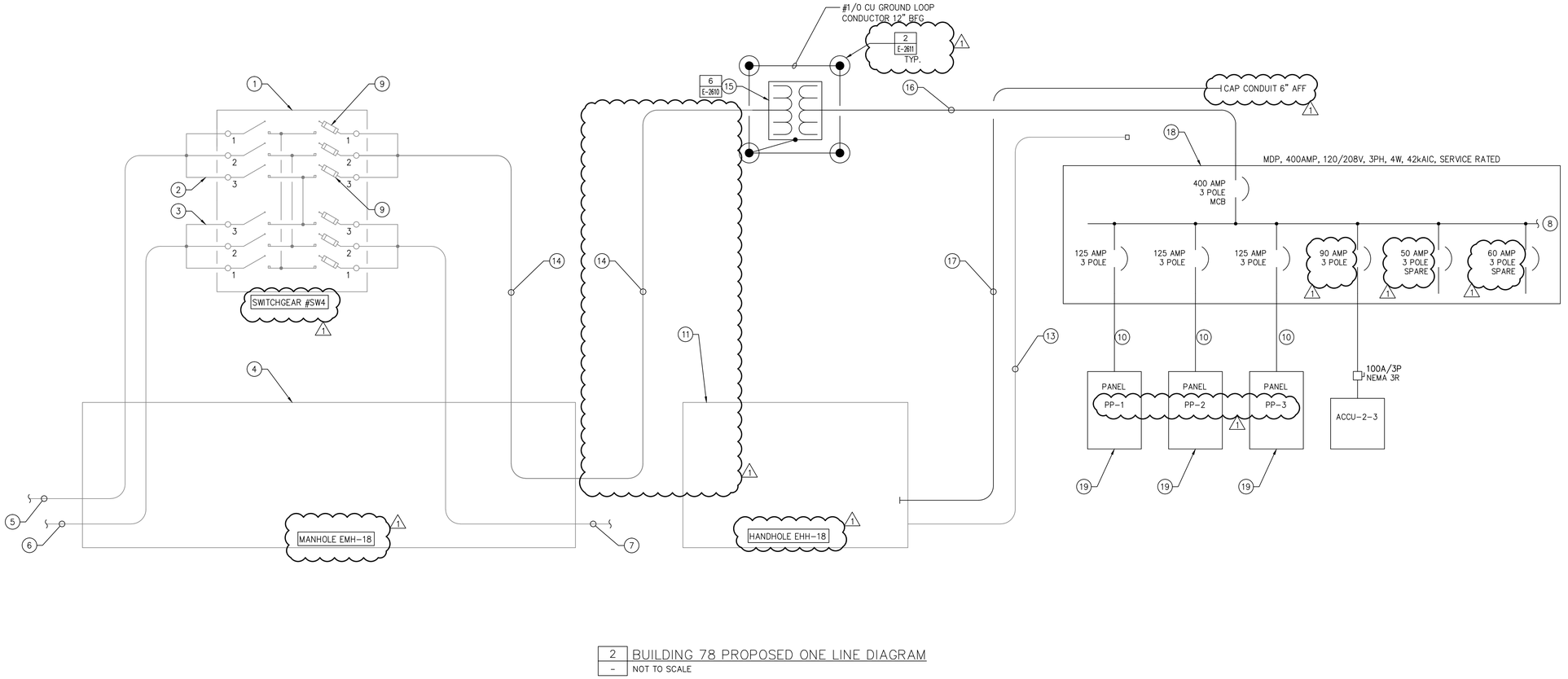
SHEET TITLE:
BUILDING 78 REMOVAL ONE LINE DIAGRAM

DRAWING NUMBER:
E–2601

SHEET OF



1 GROUNDING DETAIL
– NOT TO SCALE



2 BUILDING 78 PROPOSED ONE LINE DIAGRAM
– NOT TO SCALE

CODED NOTES

1. SWITCHGEAR ENCLOSURE #4.
2. MEDIUM VOLTAGE SWITCH #207.
3. MEDIUM VOLTAGE SWITCH #208.
4. ELECTRICAL MANHOLE #12.
5. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #3 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
6. INCOMING CONDUCTORS FROM SWITCHGEAR ENCLOSURE #5 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
7. OUTGOING CONDUCTORS TO TRANSFORMER #90 (3 – 1/0 CONDUCTORS, 15kV RATED & 1 – #2 GROUND, 600 V RATED).
8. REFER TO DRAWING E-2401 FOR ADDITIONAL BRANCH BREAKERS.
9. PROVIDE 15 KV, 10A FUSE SUITABLE FOR INSTALLATION IN 15KV PAD MOUNTED SWITCHGEAR #4.
10. PROVIDE 4#1, 1#6G IN 1 1/2" C.
11. ELECTRICAL HANDHOLE #18.
12. 4" CONDUIT FROM TRANSFORMER TO HANDHOLE #18.
13. 2" CONDUIT FROM HANDHOLE #18 TO MAIN DISTRIBUTION PANEL.
14. PROVIDE (3) #1/0 15 kV CONDUCTORS AND (1) #2G (600V) FROM TRANSFORMER PRIMARY TO MEDIUM VOLTAGE SWITCH. ROUTE IN CONDUIT RETAINED FROM REMOVALS.
15. PROVIDE 150 KVA,13.2 kV – 208/120 VOLT, THREE PHASE, 4 WIRE, TRANSFORMER IN NEMA 3R ENCLOSURE.
16. PROVIDE 4 – 600MCM THWN CONDUCTORS & 1 – 3 THWN GROUND IN 4" C. FROM TRANFORMER SECONDARY TO NEW MAIN DISTRIBUTION PANEL, TERMINATE BOTH ENDS.
17. 2" C. RETAINED FROM REMOVALS.
18. PROVIDE 400 AMP, 208/120 VOLT, 3 PHASE, 4 WIRE, 42kAIC MAIN DISTRIBUTION PANEL MDP.
19. PROVIDE 125AMP, 208/120 VOLT, 3 PHASE, 4 WIRE PANELBOARD. SEE PANEL SCHEDULE FOR ADDITIONAL DETAILS.

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PROVIDE BUILDING UPGRADES

LOCATION:
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375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
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1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

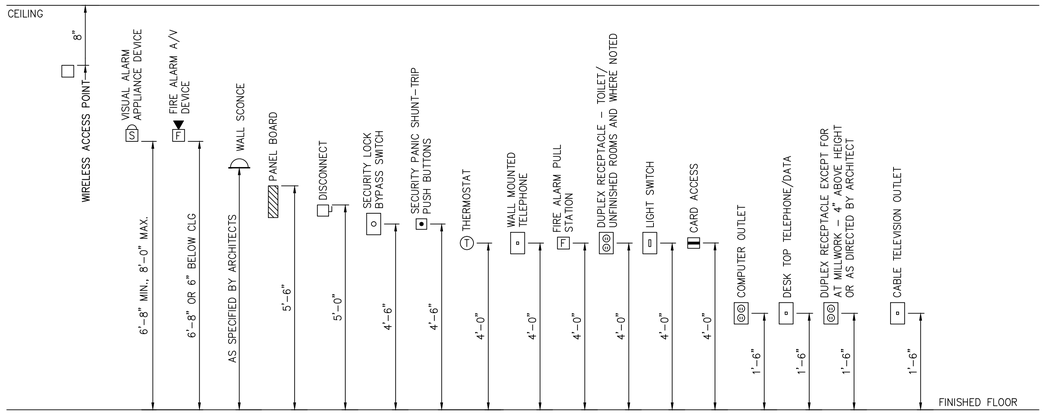
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DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 ONE LINE DIAGRAM

DRAWING NUMBER:
E–2602

SHEET OF

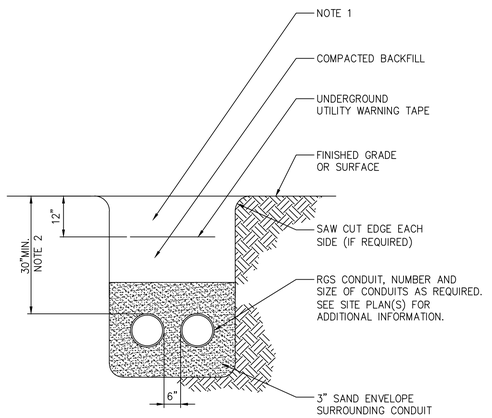
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MOUNTING ELEVATIONS NOTES:

1. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS, ELEVATIONS AND CASEWORK DETAILS.
2. IN LOCATIONS WHERE DEVICES ARE MOUNTED AT THE SAME HEIGHT, PROPERLY "GANG" DEVICES WHEN FEASIBLE AND PROVIDE A SINGLE COVER PLATE.
3. IN LOCATIONS WHERE DIFFERENT DEVICES ARE MOUNTED AT DIFFERENT HEIGHTS WITHIN FOUR FEET OF ONE ANOTHER, MOUNT DEVICES SUCH THAT THEY HAVE A COMMON CENTERLINE. IF THERE ARE THREE OR MORE DEVICES, THE CONTRACTOR SHALL REQUEST A DETAIL FROM THE ARCHITECT.
4. THE MOUNTING HEIGHT 1'-6" FOR OUTLETS IS NOT APPLICABLE IN CASE FIN TUBE RADIATORS ARE TO BE INSTALLED IN THE PROJECT. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. ELEVATIONS SHOWN ARE TYPICAL, EXCEPTIONS ARE NOTED ON PLANS.

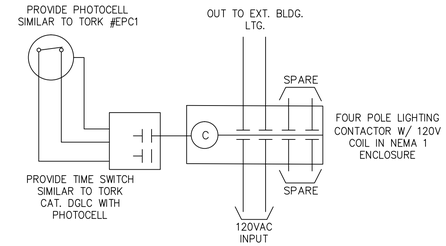
1 TYPICAL DEVICE MOUNTING ELEVATIONS
– NOT TO SCALE



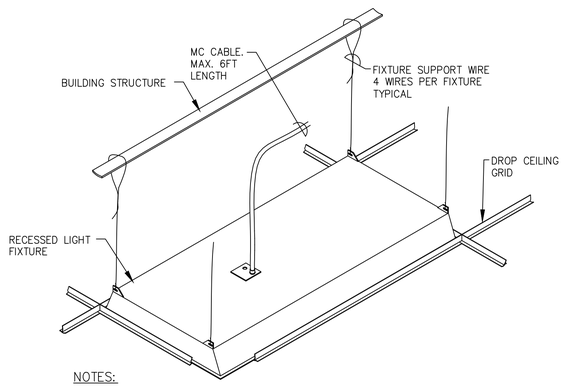
NOTE

1. REPLACE SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.
2. 30"MIN. OR 6" BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.

2 TYPICAL DIRECT BURIED CONDUIT(S) DETAIL
– NOT TO SCALE



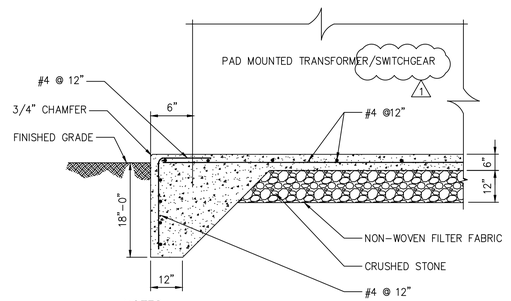
3 TIMECLOCK WITH PHOTOCELL
– NOT TO SCALE



NOTES:

1. DO NOT LAY MC CABLE ON SUSPENDED CEILING.

4 FIXTURE SUPPORT
– NOT TO SCALE



NOTES

1. CONCRETE MUST HAVE 3,000 PSI MINIMUM 28-DAY COMPRESSIVE STRENGTH. THE AIR ENTRAINMENT TO BE A MINIMUM OF 3% TO 5%.
2. CONCRETE TO CURE FOR MINIMUM OF 30 DAYS PRIOR TO PLACEMENT OF GENERATOR SET AND FUEL STORAGE TANK.

5 TRANSFORMER CONCRETE PAD
– NOT TO SCALE

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DESIGN & CONSTRUCTION

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ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
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CLIENT:
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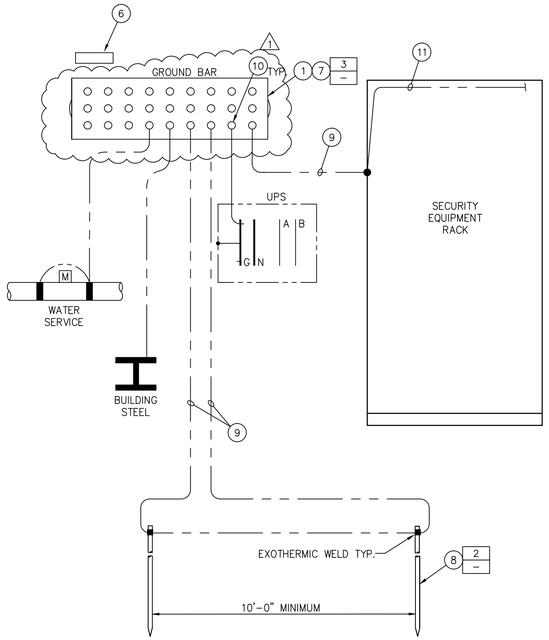
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
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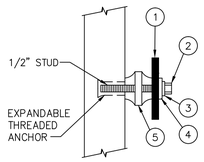
SHEET TITLE:
BUILDING 78 ELECTRICAL DETAILS

DRAWING NUMBER:
E-2610

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GROUND BUS BAR – SIDE VIEW

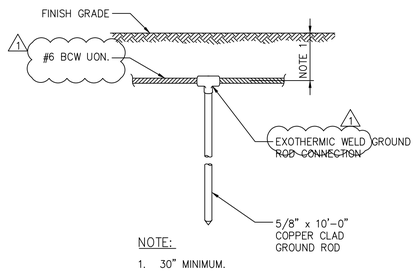
NOTES

1. UNLESS OTHERWISE NOTED, UTILIZE #6AWG FOR ALL GROUNDING CONDUCTORS.
2. UNLESS OTHERWISE NOTED, PROVIDE INSULATED GROUNDING CONDUCTORS.
3. PROVIDE GROUNDING SYSTEM AS INDICATED, PER NEC REQUIREMENTS.

GROUNDING DIAGRAM CODED NOTES

1. COPPER GROUND BAR. (1)
2. CAP SCREW 1/2"–13x1.
3. LOCK WASHER.
4. INSULATED WASHER.
5. FIBERGLASS REINFORCED POLYESTER INSULATED WITH 1/2"–13 THREADED HOLE BOTH ENDS.
6. ENGRAVED PHENOLIC PERMANENTLY ATTACHED LABEL READING "ELECTRICAL EQUIPMENT GROUND BUS".
7. PROVIDE BUILDING GROUND BAR, LOCATED IN IT ROOM 2–145 ON EQUIPMENT BACKBOARD ON DRAWING EY–2101. INSTALL ON WALL WITH INSULATING STAND OFF. SEE SIDE VIEW.
8. PROVIDE DRIVEN GROUND ROD AND/OR GROUNDING PLATE ON BUILDING EXTERIOR (TYP. OF 2).
9. PROVIDE #6 BARE COPPER WIRE WITH GREEN, THWN INSULATION.
10. PROVIDE (2) HOLE COMPRESSION LUG CONNECTION.
11. PROVIDE #6 BARE COPPER WIRE WITH GREEN, THWN INSULATION BONDED TO EACH SECURITY EQUIPMENT RACK.

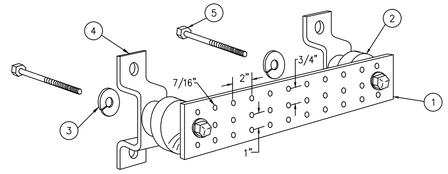
1 GROUNDING SYSTEM – SCHEMATIC DIAGRAM
– NOT TO SCALE



NOTE:

1. 30" MINIMUM.

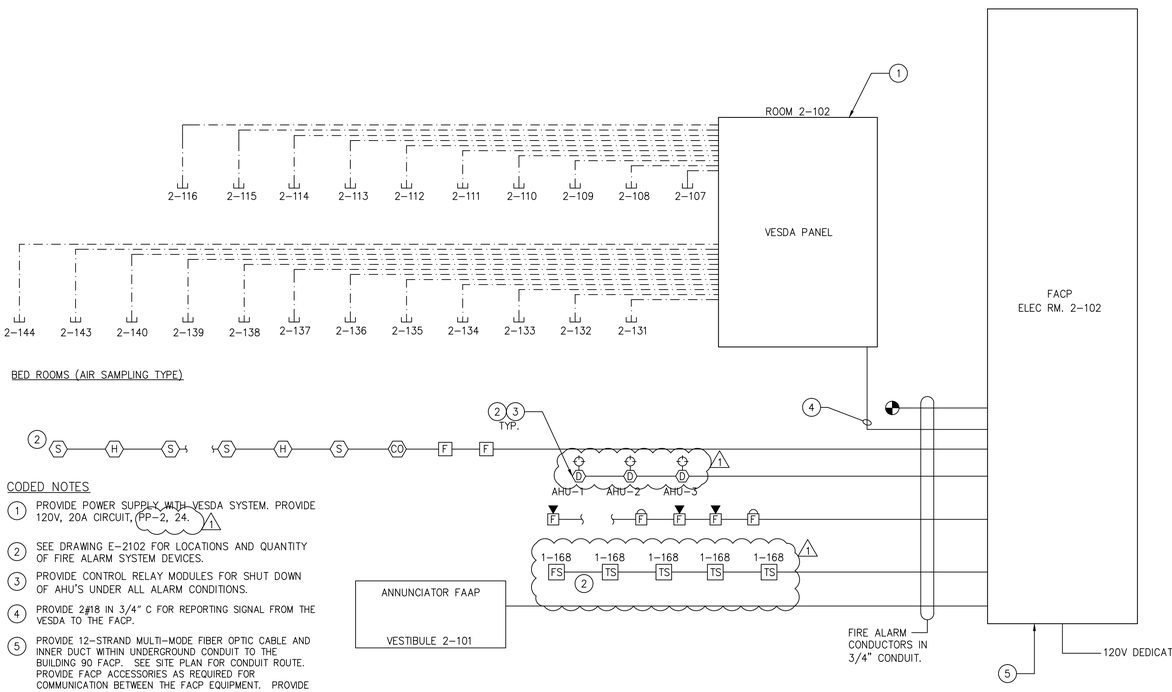
2 GROUND ROD DETAIL
– NOT TO SCALE



CODED NOTES

1. COPPER GROUND BAR, 1/4"x4"x20", SIMILAR TO NEWTON INSTRUMENT CO. CAT. NO. B–6142. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. INSULATORS, SIMILAR TO NEWTON INSTRUMENT CAT. NO. 3061–4
3. 5/8" LOCKWASHERS, SIMILAR TO NEWTON INSTRUMENT CO. CAT. NO. 3015–8
4. WALL MOUNTING BRACKET, SIMILAR TO NEWTON INSTRUMENT CO. CAT NO. A–6056
5. 5/8–11 x 1" H.H.C.S.BOLTS, SIMILAR TO NEWTON INSTRUMENT CO. CAT NO. 3012–1

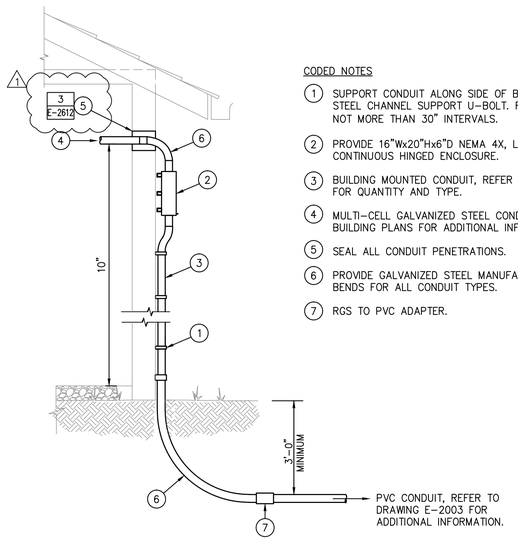
3 GROUND BAR DETAIL
– NOT TO SCALE



CODED NOTES

1. PROVIDE POWER SUPPLY WITH VESDA SYSTEM. PROVIDE 120V, 20A CIRCUIT, PP–2, 24. (1)
2. SEE DRAWING E–2102 FOR LOCATIONS AND QUANTITY OF FIRE ALARM SYSTEM DEVICES.
3. PROVIDE CONTROL RELAY MODULES FOR SHUT DOWN OF AHU'S UNDER ALL ALARM CONDITIONS.
4. PROVIDE 2#18 IN 3/4" C FOR REPORTING SIGNAL FROM THE VESDA TO THE FACP.
5. PROVIDE 12–STRAND MULTI–MODE FIBER OPTIC CABLE AND INNER DUCT WITHIN UNDERGROUND CONDUIT TO THE BUILDING 90 FACP. SEE SITE PLAN FOR CONDUIT ROUTE. PROVIDE FACP ACCESSORIES AS REQUIRED FOR COMMUNICATION BETWEEN THE FACP EQUIPMENT. PROVIDE A FO BREAK–OUT TERMINATION BOX AT EACH FACP. TWO OF THE FO STRANDS WILL BE UTILIZED FOR THE FACP COMMUNICATION.

4 FIRE ALARM RISER DIAGRAM
– NOT TO SCALE



CODED NOTES

1. SUPPORT CONDUIT ALONG SIDE OF BUILDING WITH STEEL CHANNEL SUPPORT U–BOLT. RISER SUPPORTS NOT MORE THAN 30" INTERVALS.
2. PROVIDE 16"Wx20"Hx6"D NEMA 4X, LOCKABLE WITH CONTINUOUS HINGED ENCLOSURE.
3. BUILDING MOUNTED CONDUIT, REFER TO SITE PLANS FOR QUANTITY AND TYPE.
4. MULTI–CELL GALVANIZED STEEL CONDUIT, REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.
5. SEAL ALL CONDUIT PENETRATIONS.
6. PROVIDE GALVANIZED STEEL MANUFACTURED FIXED BENDS FOR ALL CONDUIT TYPES.
7. RGS TO PVC ADAPTER.

NOTE

1. ROUTE CONDUIT HIGH, TO CEILING. COORDINATE CEILING HEIGHT IN FIELD.

5 BUILDING ENTRANCE CONDUIT ROUTING
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 ELECTRICAL DETAILS

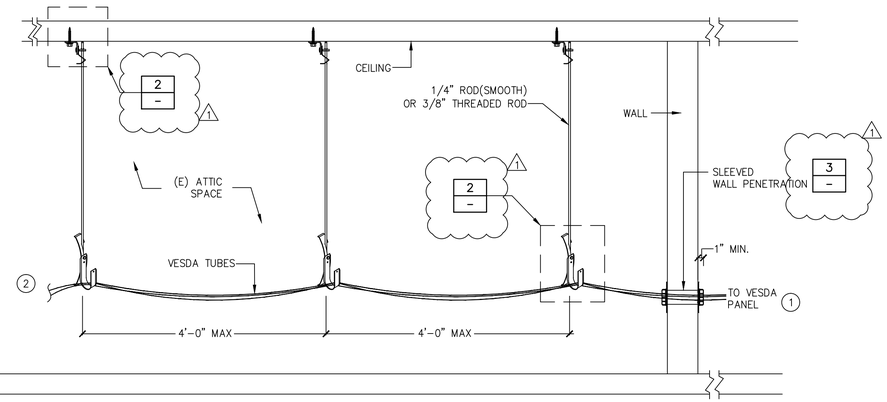
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E–2611

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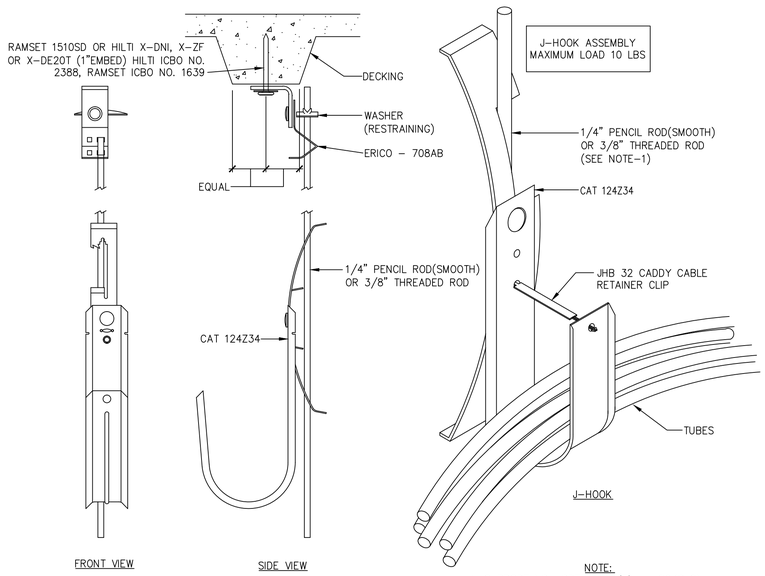
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36x24 PLOT SHEET

CODED NOTES

1. ALL STANDARD SAMPLING TUBES BETWEEN VESDA DETECTOR TO SAMPLING LOCATIONS SHALL BE ALL EQUAL LENGTH OF 120" TO BE PNEUMATICALLY BALANCED ON EACH SAMPLING PORT. EXCESS SAMPLING TUBE SHALL BE COILED INSIDE CEILING SPACE. PROVIDE 6MM CAPILLARY TUBES. FIELD CONFIRM LONGEST CAPILLARY TUBE REQUIRED.
2. TO 6MM TAMPER PROOF SAMPLING POINT TERMINATIONS IN THE CEILING.

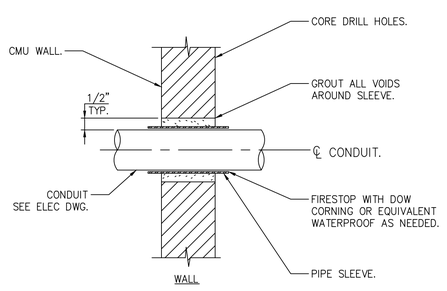


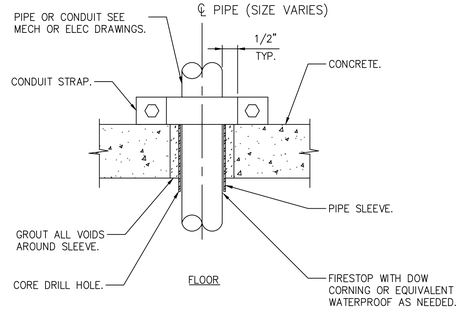
1 | – AIR SAMPLING TUBE CEILING INSTALLATION
NOT TO SCALE



NOTE:
1. SUPPORT NO MORE THAN (3) J-HOOKS ON EACH ROD. DO NOT EXCEED 4'-0" SPACING ON CENTER FOR RODS.

1 | 2 TYPICAL VESDA SYSTEM J-HOOK INSTALLATION
NOT TO SCALE





NOTE:
ANCHOR PIPE AS REQUIRED TO PREVENT MOVEMENT THRU PENETRATION.

1 | 3 CONDUIT PENETRATION DETAIL
NOT TO SCALE

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36x24 PLOT SHEET

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 VESDA DETAILS

DRAWING NUMBER:
E-2612

SHEET OF

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CEILING TYPES IN EACH SPACE AND FOR PROVIDING PROPER TRIMS FOR FIXTURES INDICATED.
2. ALL SUSPENDED LIGHT FIXTURES TO BE HUNG FROM STRUCTURE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL SUPPORTS, STEMS, THREADED ROD, STEEL CHANNELS AND RELATED EQUIPMENT.
3. ALL LIGHT FIXTURES TO BE INSTALLED IN SUSPENDED CEILINGS TO BE HUNG FROM STRUCTURE WITH APPROPRIATE SUSPENSION SYSTEM AND FIXTURE LOCK CLIPS TO CEILING GRID AS PER NEC 410–16.
4. PRIOR TO ORDERING ANY LIGHT FIXTURE CONTRACTOR IS TO VERIFY COLOR AND FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT.
5. FOR EXACT LOCATIONS OF LIGHT FIXTURES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
6. ALL LIGHT FIXTURES UTILIZING EMERGENCY BATTERY DRIVER TO BE WIRED AHEAD OF ALL SWITCHES.
7. WIRE ALL EMERGENCY LIGHTING UNITS AHEAD OF ALL SWITCHES.

BUILDING 78 LIGHT FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DISCRIPTION	MOUNTING	LAMP(S)	VOLTS	WATTAGE (W)	MANUFACTURER & CATALOG NUMBER	COMMENTS
L1	LED	1x4 RECESSED CEILING MOUNTED LED LIGHT FIXTURE, 3000K, VANDAL RESISTANT.	RECESSED/ CEILING	LED	120	50	LUMINAIRE LED: RM14–F–A–1–3000K–120–277–B–1–CTX	
L2	LED	HIGH PERFORMANCE LED RECESSED 1X4 LIGHT FIXTURE, 3000 LUMENS, 4000K.	RECESSED/ CEILING	LED	120	30	LITHONIA LIGHTING: TL4–30L–FW–A12–EZ1–LP840	
L3	LED	HIGH PERFORMANCE 4' CEILING MOUNTED LED LIGHT FIXTURE WITH SYMMETRIC APERTURE REFLECTORS, 3800 LUMENS, 4000K.	SURFACE/ CEILING	LED	UNIV	32	MERCURY LIGHTING: LW4–4–3800–40K–HTA–UNI–SRA	
L4	LED	HIGH PERFORMANCE LED RECESSED 2X4 LIGHT FIXTURE, 3000 LUMENS, 4000K.	RECESSED/ CEILING	LED	120	25	LITHONIA LIGHTING: 2TL4–30L–FW–A12–EZ1–LP840	
L5	LED	EXTERIOR SURFACE MOUNTED LED LIGHT FIXTURE, 4000K.	WALL/CEILING	LED	120	15	LUMINAIRE LED: AOV13–15W–4000K–120–277–CP–BLK–EMB310–TX/SD	
L6	LED	15" DIAMETER SURFACE MOUNTED EXTERIOR LED SOFFIT LIGHT FIXTURE, 2000 LUMENS, 4000K.	SURFACE/ SOFFIT	LED	120	19	KENALL: RHR15D–W–PP–15L40K–DV–SC	
L7	LED	HIGH PERFORMANCE 4' LED STRIP LIGHT, 1800 LUMENS, 4000K, WET LOCATIONS.	SURFACE/ WALL	LED	120	24	LITHONIA LIGHTING: XWMLED	
L8	LED	SHOWER LIGHT.	RECESSED CEILING	LED	UNIV	19	DESIGN PLAN: SPL–2227–T–S–25–C–SS	PROVIDE WITH TAMPER PROOF TOREX SECURITY SCREWS AND TOOL
X1	LED	SINGLE SIDED LED EXIT SIGN WITH NI–CAD BATTERY AND SELF DIAGNOSTICS.	WALL/CEILING	LED	120	1	LITHONIA LIGHTING: LQM–S–3–R–120/277–ELN–SD	
X2	LED	DOUBLE SIDED LED EXIT SIGN WITH NI–CAD BATTERY AND SELF DIAGNOSTICS.	WALL/CEILING	LED	120	1	LITHONIA LIGHTING: LQM–S–3–R–120/277–ELN–SD	
LA	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND NI–CAD BATTERY.	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2–LED–SD	
LA2	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS, NI–CAD BATTERY AND THERMOPLASTIC VANDAL SHIELD.	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2–LED–SD–ELAVS	

1

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT: ELECTRICAL

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

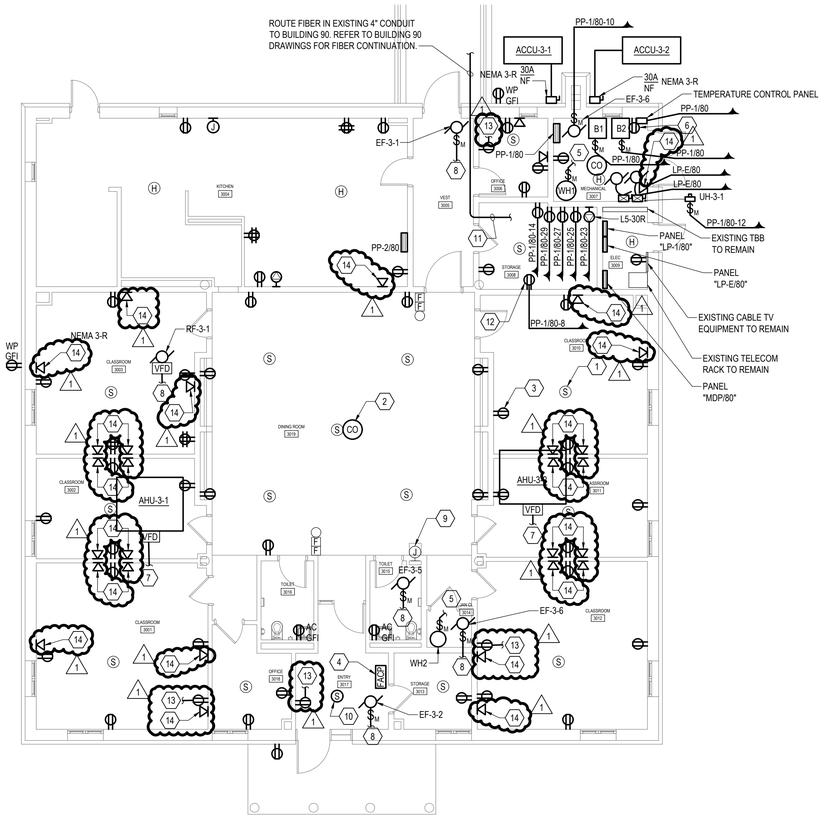
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 78 LIGHTING SCHEDULE

DRAWING NUMBER: E–2701

SHEET OF

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36x24 PLOT SHEET



BUILDING 80 POWER PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE HVAC EQUIPMENT WITH H-CONTRACTOR PRIOR TO ROUGH-IN.

KEYED NOTES

1. PROVIDE CAGE ON EXISTING FIRE ALARM DEVICE AS REQUIRED. TYPICAL FOR ALL DEVICES SHOWN.
2. PROVIDE CARBON MONOXIDE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM. PROVIDE DETECTOR WITH PROTECTIVE CAGE. TYPICAL FOR ALL CARBON MONOXIDE DETECTORS SHOWN.
3. PROVIDE RECEPTACLE IN EXISTING BOX. CONNECT TO EXISTING WIRING AS REQUIRED. TYPICAL FOR ALL RECEPTACLES INDICATED ON DRAWING.
4. PROVIDE ALL TESTING, PROGRAMMING REQUIRED FOR ALL EXISTING FIRE ALARM DEVICES CONNECTED TO FIRE ALARM CONTROL PANEL FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
5. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING WATER HEATER. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
6. PROVIDE RECEPTACLE FOR GLYCOL FEEDER. COORDINATE LOCATION WITH H-CONTRACTOR PRIOR TO ROUGH-IN. CONNECT TO EXISTING RECEPTACLE CIRCUIT AS REQUIRED.
7. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING AHU UNIT. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
8. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING EXHAUST FAN. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
9. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING WATER COOLER. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
10. PROVIDE SMOKE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM. PROVIDE DETECTOR WITH PROTECTIVE CAGE.
11. PROVIDE 12 STRAND FIBER FROM BUILDING 80 TO BUILDING 90 FOR CONNECTION OF BMS AND FIRE ALARM PANELS TO SITE NETWORK.
12. PROVIDE RECEPTACLE FOR WATER DETECTION SYSTEM. COORDINATE LOCATION WITH H CONTRACT.
13. PROVIDE RECEPTACLE IN LOCATION INDICATED. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN THAT AREA. PROVIDE SURFACE METAL RACEWAY ON CMU WALLS.
14. PROVIDE CAT 6 CABLE FROM DATA OUTLET TO ROOM 3008 RACK. ROUTE CABLING ABOVE GYP CEILINGS. PROVIDE SURFACE METAL RACEWAY FROM CEILING TO DROP LOCATION ON CMU WALLS.

1

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

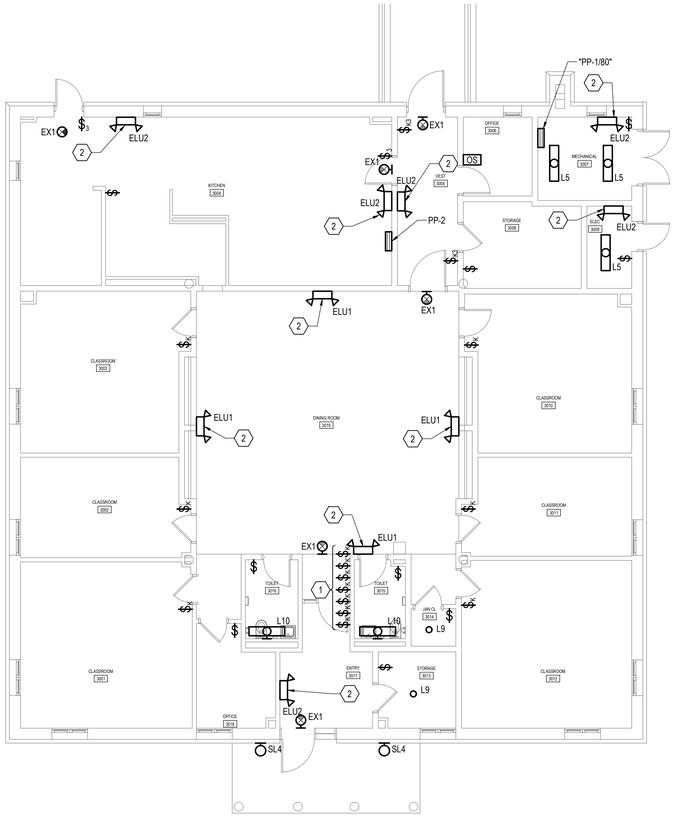
BUILDING 80
POWER PLAN

DRAWING NUMBER:

E–3102

SHEET OF

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SAVED: 9/21/2017 2:18:15 PM PLOTTED: 9/21/2017 3:50:49 PM
36x24 PLOT SHEET USER: NICHOLAS DELPRADO



BUILDING 80 LIGHTING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. LIGHT FIXTURE BRANCH CIRCUITING TO BE REUSED FOR RETROFITTED LIGHT FIXTURES.
1 2. SL1 AND SL2 FIXTURES ARE APPROVED LIGHT FIXTURES QUALIFIED BY NATIONAL GRID FOR REBATE PROGRAM INCENTIVE CORRESPONDING WITH FACILITY APPLICATION FOR THE SUBJECT PROGRAM.

KEYED NOTES

1. REPLACE KEY OPERATED LIGHT SWITCHES WITH FACILITY STANDARD SWITCH. REFER TO SPECIFICATIONS. TYPICAL FOR ALL KEY OPERATED SWITCHES. SWITCHES CONTROL DINNING ROOM LIGHTING.
2. PROVIDE ELU'S AND CONNECT TO EXISTING AREA UNSWITCHED LIGHTING CIRCUIT.

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DESCRIPTION	MOUNTING	LAMPS QUANITITY AND TYPE	VOLTAGE	MANUFACTURER	NOTES
SL1	LED	LED AREA LIGHT WITH 100 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-250RL-N4-K2-5000K-T3M-PO, 250W 30,059 LUMENS, TENSION MOUNT	1
SL2	LED	LED AREA LIGHT WITH 40 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-150-V01-RZ-T3M-D-2102-5000K, 150W, 17837 LUMENS, TENSION MOUNT	
SL4	LED	LED WALL SCONCE, 4000K COLOR TEMPERATURE WITH PHOTOCELL CONTROL, 90 MINUTE BATTERY BACK UP	WALL	LED	120	LUMINAIRE LED: AOV13-15W-4000K-120-277-CP-BRZ-EMB310-TX/S D-PC	
SL5	LED	LED LANTERN STYLE AREA LIGHT WITH 43 WATT LUMEN PACKAGE, 4000K COLOR TEMPERATURE WITH A TYPE 5 DISTRIBUTION	POLE	LED	MVOLT	ARCHITECTURAL AREA LIGHTING, PROVIDENCE SERIES PR05-Y5-3040-BL-FS1*	
L5	LED	1'X4' SURFACE MOUNTED, LED LINEAR LUMINAIRE, 3000K COLOR TEMPERATURE	CEILING/WALL	LED	UNIV	MERCURY LIGHTING: LW4-4-3800-30K-HTA-UNI-SRA	
L9	LED	11" ROUND LED WITH POLYCARBONATE OPAL LENS AND RING ATTACHED TO LENS WITH TAMPERPROOF SCREWS	CEILING	LED	120	EATON: FAILSAFE TRR-11-LD4-13-35-OPL-WH-UNV-ED-VRSD	
L10	LED	LED 49.69" X 4.35" X 2.70" SURFACE MOUNTED LED LINIER LUMINAIRE, 3000K COLOR TEMPERATURE, OPAL LENS	WALL	LED	120	LUMINAIRE LED: VPF44-40W-3000K-120-277-OP-WHT-WET-TX/SD	
EX1	LED	BLACK LED EXIT SIGN WITH RED LETTERS	WALL/CEILING	LED	120	LITHONIA LIGHTING: LQM SERIES	*=SEE FLOOR PLANS FOR NUMBER OF FACES
ELU1	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD	
ELU2	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND WIREGUARD ACCESSORY	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD-ELA WG1	

* WHERE INDICATED ON THE SITE LIGHTING PLAN, PROVIDE FIXTURES WITH NEW 10'-0" BLACK TAPPERED POLES. LIGHT POLES PLUS MODEL RTAA-10-50-30-2-AB-SAB-FP-B-D1 OR EQUAL.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

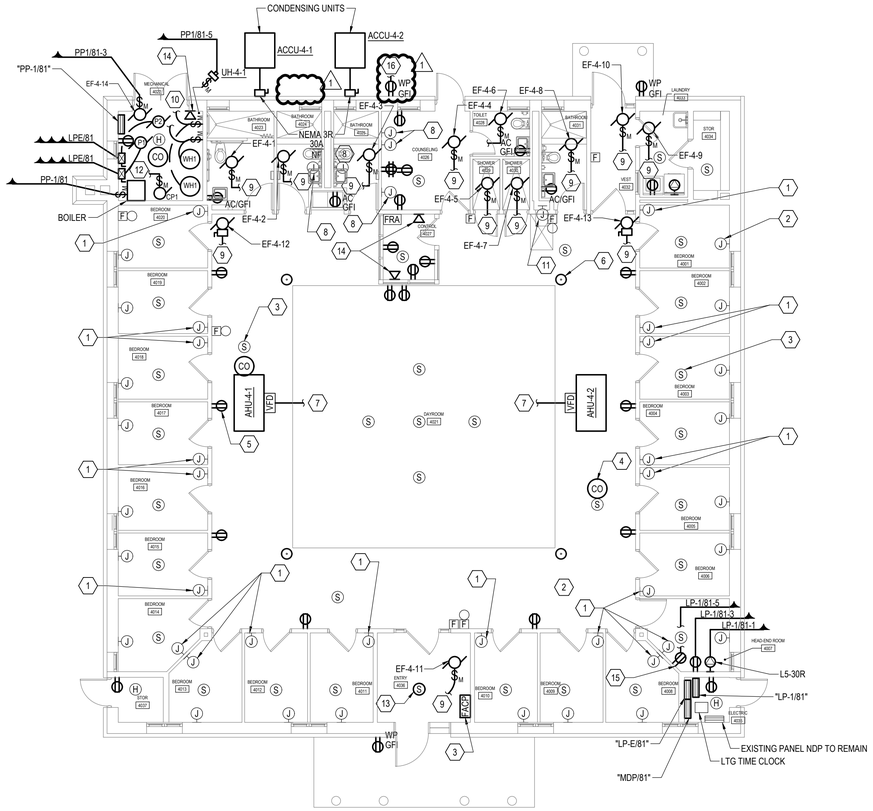
BUILDING 80 LIGHTING PLAN & LIGHTING FIXTURE SCHEDULE

DRAWING NUMBER:

E-3201

SHEET OF

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SAVED: 9/21/2017 2:20:01 PM PLOTTED: 9/21/2017 3:50:54 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 81 POWER PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE HVAC EQUIPMENT WITH H-CONTRACTOR PRIOR TO ROUGH-IN.

KEYED NOTES

1. PROVIDE BLANK 5-1/2"X 7-1/2" COVER PLATE WITH TAMPERPROOF SCREWS. PROVIDE CLEAR CALK AROUND EDGE OF COVER PLATE TO SEAL TIGHT TO WALL. TYPICAL FOR ALL RESIDENT ROOMS. REMOVE EXISTING WIRING BACK TO SOURCE.
2. PROVIDE SINGLE GANG COVER PLATE FOR JUNCTION BOX, WITH TAMPER PROOF SCREWS. TYPICAL FOR ALL RESIDENT ROOMS.
3. PROVIDE ALL TESTING, PROGRAMMING REQUIRED FOR ALL EXISTING FIRE ALARM DEVICES CONNECTED TO FIRE ALARM CONTROL PANEL FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
4. PROVIDE CARBON MONOXIDE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM. TYPICAL FOR ALL CARBON MONOXIDE DETECTORS SHOWN.
5. PROVIDE RECEPTACLE IN EXISTING BOX. CONNECT TO EXISTING WIRING AS REQUIRED. TYPICAL FOR ALL RECEPTACLES INDICATED ON DRAWING.
6. PROVIDE FLOOR MOUNTED RECEPTACLE IN EXISTING BOX. CONNECT TO EXISTING WIRING AS REQUIRED. TYPICAL FOR FLOOR MOUNTED RECEPTACLES INDICATED ON DRAWING.
7. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING UNIT. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
8. PROVIDE COVER PLATE FOR EXISTING JUNCTION BOX AS REQUIRED. PROVIDE TAMPER PROOF SCREWS.
9. CONNECT TO EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING EXHAUST FAN AS REQUIRED. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
10. CONNECT TO EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING WATER HEATERS. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
11. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING WATER COOLER . EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
12. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING HOT WATER RETURN PUMP. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
13. PROVIDE SMOKE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM.
14. PROVIDE CAT 6 CABLE FROM DATA OUTLET TO ROOM 4007 RACK AS REQUIRED.
15. PROVIDE RECEPTACLE FOR WATER DETECTION SYSTEM. COORDINATE LOCATION WITH H CONTRACT.
1. 16. PROVIDE EXTERIOR RECEPTACLE IN LOCATION INDICATED. PROVIDE EXTERIOR WALL PENETRATION AND CONNECT TO EXISTING AREA RECEPTACLE CIRCUIT INSIDE THE BUILDING.

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

WARNING:

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

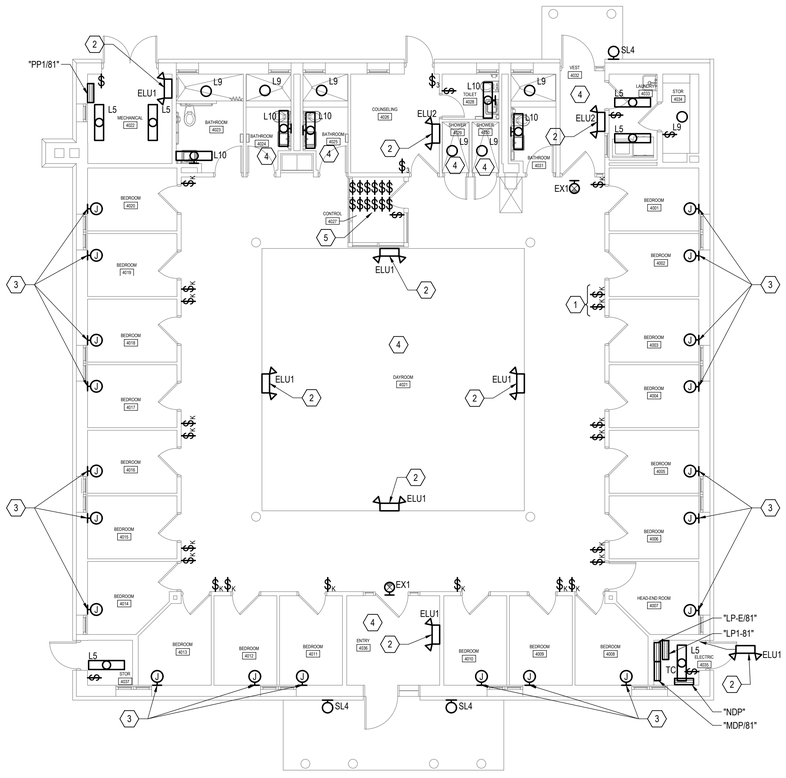
BUILDING 81
POWER PLAN

DRAWING NUMBER:

E–4102

SHEET OF

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SAVED: 9/21/2017 2:22:29 PM PLOTTED: 9/21/2017 3:50:59 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 81 LIGHTING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. LIGHT FIXTURE BRANCH CIRCUITING TO BE REUSED FOR RETROFITTED LIGHT FIXTURES AND REPLACEMENT LIGHT FIXTURES.
2. 1 AND SL2 FIXTURES ARE APPROVED LIGHT FIXTURES QUALIFIED BY NATIONAL GRID FOR REBATE PROGRAM INCENTIVE CORRESPONDING WITH FACILITY APPLICATION FOR THE SUBJECT PROGRAM. (1)

KEYED NOTES

1. REPLACE KEY OPERATED LIGHT SWITCHES WITH FACILITY STANDARD SWITCH. REFER TO SPECIFICATIONS. TYPICAL FOR ALL KEY OPERATED SWITCHES.
2. PROVIDE ELU'S AND CONNECT TO EXISTING AREA UNSWITCHED LIGHTING CIRCUIT.
3. PROVIDE COVER PLATE WITH TAMPERPROOF SCREWS TO COVER NIGHT LIGHT FIXTURE LOCATIONS. TYPICAL FOR ALL RESIDENT ROOMS.
4. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED FROM THE SWITCHES LOCATED IN THE CONTROL ROOM 4027.
5. SWITCHES CONTROL LIGHTING IN DAY ROOM, ENTRY, VESTIBULE, SHOWERS, BATHROOMS.

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DESCRIPTION	MOUNTING	LAMPS QUANITITY AND TYPE	VOLTAGE	MANUFACTURER	NOTES
SL1	LED	LED AREA LIGHT WITH 100 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-250RL-N4-K2-5000K-T3M-PO, 250W 30,059 LUMENS, TENSION MOUNT	(1)
SL2	LED	LED AREA LIGHT WITH 40 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-150-V01-RZ-T3M-D-2102-5000K, 150W, 17837 LUMENS, TENSION MOUNT	
SL4	LED	LED WALL SCONCE, 4000K COLOR TEMPERATURE WITH PHOTOCELL CONTROL, 90 MINUTE BATTERY BACK UP	WALL	LED	120	LUMINAIRE LED: AOV13-15W-4000K-120-277-CP-BRZ-EMB310-TX/S D-PC	
SL5	LED	LED LANTERN STYLE AREA LIGHT WITH 43 WATT LUMEN PACKAGE, 4000K COLOR TEMPERATURE WITH A TYPE 5 DISTRIBUTION	POLE	LED	MVOLT	ARCHITECTURAL AREA LIGHTING, PROVIDENCE SERIES PR05-Y5-3040-BL-FS1*	
L5	LED	1'X4' SURFACE MOUNTED, LED LINEAR LUMINAIRE, 3000K COLOR TEMPERATURE	CEILING/WALL	LED	UNIV	MERCURY LIGHTING: LW4-4-3800-30K-HTA-UNI-SRA	
L9	LED	11" ROUND LED WITH POLYCARBONATE OPAL LENS AND RING ATTACHED TO LENS WITH TAMPERPROOF SCREWS	CEILING	LED	120	EATON: FAILSAFE TRR-11-LD4-13-35-OPL-WH-UNV-ED-VRSD	
L10	LED	LED 49.69" X 4.35" X 2.70" SURFACE MOUNTED LED LINIER LUMINAIRE, 3000K COLOR TEMPERATURE, OPAL LENS	WALL	LED	120	LUMINAIRE LED: VPF44-40W-3000K-120-277-OP-WHT-WET-TX/SD	
EX1	LED	BLACK LED EXIT SIGN WITH RED LETTERS	WALL/CEILING	LED	120	LITHONIA LIGHTING: LQM SERIES	*=SEE FLOOR PLANS FOR NUMBER OF FACES
ELU1	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD	
ELU2	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND WIREGUARD ACCESSORY	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD-ELA WG1	

* WHERE INDICATED ON THE SITE LIGHTING PLAN, PROVIDE FIXTURES WITH NEW 10'-0" BLACK TAPPERED POLES. LIGHT POLES PLUS MODEL RTAA-10-50-30-2-AB-SAB-FP-B-D1 OR EQUAL.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

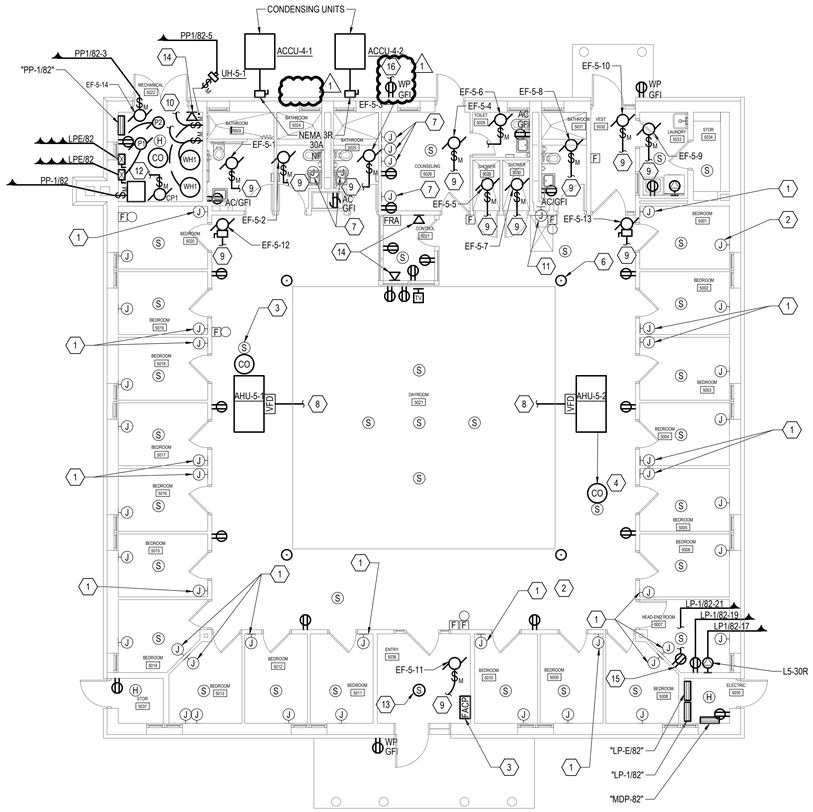
BUILDING 81
LIGHTING PLAN &
LIGHTING FIXTURE
SCHEDULE

DRAWING NUMBER:

E–4201

SHEET OF

FILE: R:\PROJECTS\7824 - OGS - INDUSTRY SECURE RESIDENTIAL FACILITY_CAD\7824 - E-4201.DWG
SAVED: 9/21/2017 3:49:26 PM PLOTTED: 9/21/2017 3:51:04 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 82 POWER PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE HVAC EQUIPMENT WITH H-CONTRACTOR PRIOR TO ROUGH-IN.

KEYED NOTES

1. PROVIDE BLANK 5-1/2"X 7-1/2" COVER PLATE WITH TAMPERPROOF SCREWS. PROVIDE CLEAR CALK AROUND EDGE OF COVER PLATE TO SEAL TIGHT TO WALL. TYPICAL FOR ALL RESIDENT ROOMS. REMOVE EXISTING WIRING BACK TO SOURCE.
2. PROVIDE SINGLE GANG COVER PLATE FOR JUNCTION BOX, WITH TAMPER PROOF SCREWS. TYPICAL FOR ALL RESIDENT ROOMS.
3. PROVIDE ALL TESTING, PROGRAMMING REQUIRED FOR ALL EXISTING FIRE ALARM DEVICES CONNECTED TO FIRE ALARM CONTROL PANEL FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
4. PROVIDE CARBON MONOXIDE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM.
5. PROVIDE RECEPTACLE IN EXISTING BOX. CONNECT TO EXISTING WIRING AS REQUIRED. TYPICAL FOR ALL RECEPTACLES INDICATED ON DRAWING.
6. PROVIDE FLOOR MOUNTED RECEPTACLE IN EXISTING BOX. CONNECT TO EXISTING WIRING AS REQUIRED. TYPICAL FOR FLOOR MOUNTED RECEPTACLES INDICATED ON DRAWING.
7. PROVIDE COVER PLATE FOR EXISTING JUNCTION BOX AS REQUIRED. PROVIDE TAMPER PROOF SCREWS.
8. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING UNIT. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
9. RE-CONNECT TO EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING EXHAUST FAN. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
10. CONNECT TO EXISTING BRANCH CIRCUIT FROM THE REMOVAL OF EXISTING WATER HEATERS. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
11. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING EXHAUST FAN. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
12. RE-USE EXISTING BRANCH CIRCUIT FROM REMOVAL OF EXISTING HOT WATER RETURN PUMP. EXTEND EXISTING CONDUIT/CONDUCTORS AS REQUIRED.
13. PROVIDE SMOKE DETECTOR, AND CONNECT TO EXISTING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL PROGRAMMING AS REQUIRED FOR A COMPLETE AN OPERATIONAL FIRE ALARM SYSTEM.
14. PROVIDE CAT 6 CABLE FROM DATA OUTLET TO ROOM 4007 RACK AS REQUIRED.
15. PROVIDE RECEPTACLE FOR WATER DETECTION SYSTEM. COORDINATE LOCATION WITH H CONTRACT.
1 16. PROVIDE EXTERIOR RECEPTACLE IN LOCATION INDICATED. PROVIDE EXTERIOR WALL PENETRATION AND CONNECT TO EXISTING AREA RECEPTACLE CIRCUIT INSIDE THE BUILDING.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

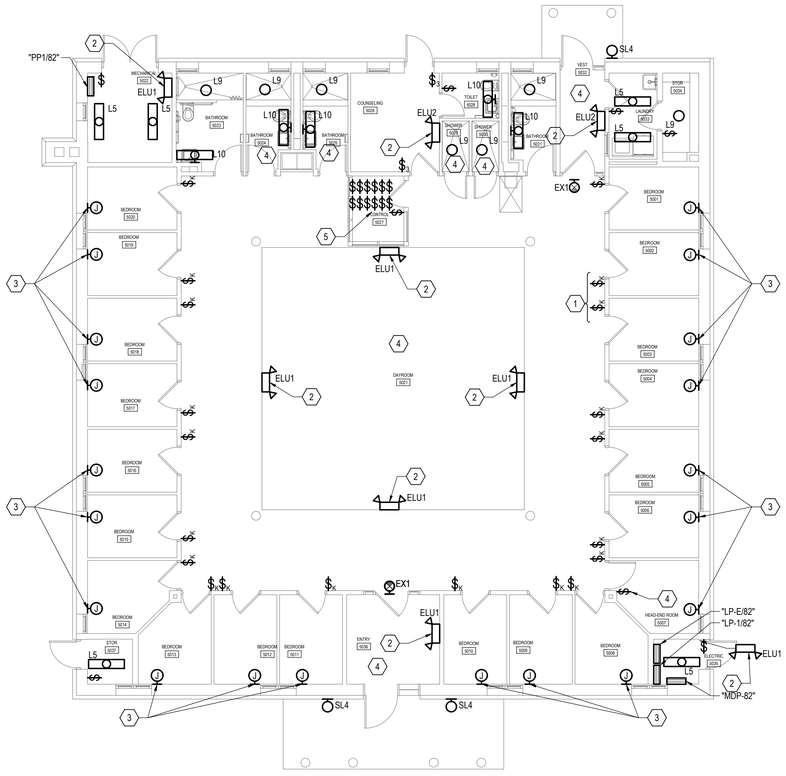
BUILDING 82
POWER PLAN

DRAWING NUMBER:

E–5102

SHEET OF

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SAVED: 9/21/2017 2:35:45 PM PLOTTED: 9/21/2017 3:51:09 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 82 LIGHTING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. LIGHT FIXTURE BRANCH CIRCUITING TO BE REUSED FOR RETROFITTED LIGHT FIXTURES.
1 2. 1 AND SL2 FIXTURES ARE APPROVED LIGHT FIXTURES QUALIFIED BY NATIONAL GRID FOR REBATE PROGRAM INCENTIVE CORRESPONDING WITH FACILITY APPLICATION FOR THE SUBJECT PROGRAM.

KEYED NOTES

1. REPLACE KEY OPERATED LIGHT SWITCHES WITH FACILITY STANDARD SWITCH. REFER TO SPECIFICATIONS. TYPICAL FOR ALL KEY OPERATED SWITCHES.
2. PROVIDE ELU'S AND CONNECT TO EXISTING AREA UNSWITCHED LIGHTING CIRCUIT.
3. PROVIDE COVER PLATE WITH TAMPERPROOF SCREWS TO COVER NIGHT LIGHT FIXTURE LOCATIONS. TYPICAL FOR ALL RESIDENT ROOMS.
4. LIGHTING FIXTURES IN THIS AREA ARE CONTROLLED FROM THE SWITCHES LOCATED IN THE CONTROL ROOM 4027.
5. SWITCHES CONTROL LIGHTING IN DAY ROOM, ENTRY, VESTIBULE, SHOWERS, BATHROOMS.

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DESCRIPTION	MOUNTING	LAMPS QUANITITY AND TYPE	VOLTAGE	MANUFACTURER	NOTES
SL1	LED	LED AREA LIGHT WITH 100 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-250RL-N4-K2-5000K-T3M-PO, 250W 30,059 LUMENS, TENSION MOUNT	1
SL2	LED	LED AREA LIGHT WITH 40 LEDS DRIVEN AT 700mA, 4000K COLOR TEMPERATURE, WITH A TYPE 4 MEDIUM DISTRIBUTION	POLE	LED	M VOLT	POWER HOUSE LED NJZ: PH-NJZ-SLC-150-V01-RZ-T3M-D-2102-5000K, 150W, 17837 LUMENS, TENSION MOUNT	
SL4	LED	LED WALL SCONCE, 4000K COLOR TEMPERATURE WITH PHOTOCELL CONTROL, 90 MINUTE BATTERY BACK UP	WALL	LED	120	LUMINAIRE LED: AOV13-15W-4000K-120-277-CP-BRZ-EMB310-TX/S D-PC	
SL5	LED	LED LANTERN STYLE AREA LIGHT WITH 43 WATT LUMEN PACKAGE, 4000K COLOR TEMPERATURE WITH A TYPE 5 DISTRIBUTION	POLE	LED	MVOLT	ARCHITECTURAL AREA LIGHTING, PROVIDENCE SERIES PR05-Y5-3040-BL-FS1*	
L5	LED	1'X4' SURFACE MOUNTED, LED LINEAR LUMINAIRE, 3000K COLOR TEMPERATURE	CEILING/WALL	LED	UNIV	MERCURY LIGHTING: LW4-4-3800-30K-HTA-UNI-SRA	
L9	LED	11" ROUND LED WITH POLYCARBONATE OPAL LENS AND RING ATTACHED TO LENS WITH TAMPERPROOF SCREWS	CEILING	LED	120	EATON: FAILSAFE TRR-11-LD4-13-35-OPL-WH-UNV-ED-VRSD	
L10	LED	LED 49.69" X 4.35" X 2.70" SURFACE MOUNTED LED LINIER LUMINAIRE, 3000K COLOR TEMPERATURE, OPAL LENS	WALL	LED	120	LUMINAIRE LED: VPF44-40W-3000K-120-277-OP-WHT-WET-TX/SD	
EX1	LED	BLACK LED EXIT SIGN WITH RED LETTERS	WALL/CEILING	LED	120	LITHONIA LIGHTING: LQM SERIES	*=SEE FLOOR PLANS FOR NUMBER OF FACES
ELU1	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD	
ELU2	LED	LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND WIREGUARD ACCESSORY	WALL	LED	120	LITHONIA LIGHTING: ELM2-LED-SD-ELA WG1	

* WHERE INDICATED ON THE SITE LIGHTING PLAN, PROVIDE FIXTURES WITH NEW 10'-0" BLACK TAPPERED POLES. LIGHT POLES PLUS MODEL RTAA-10-50-30-2-AB-SAB-FP-B-D1 OR EQUAL.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

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TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

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CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

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1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

BUILDING 82
LIGHTING PLAN &
LIGHTING FIXTURE
SCHEDULE

DRAWING NUMBER:

E–5201

SHEET OF

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PLOTTED 9/21/2017 3:51:14 PM
USER: NICHOLAS DELPRADO
36x24 PLOT SHEET

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
A/V	AUDIBLE/VISUAL
AWG	AMERICAN WIRE GAUGE
BB	BACKBOARD
BCW	BARE COPPER WIRE
BATT	BATTERY
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
BFG	BELOW FINISHED GRADE
C	CONDUIT
CAB	CABINET
CATV	COMMUNITY ACCESS TELEVISION (CABLE TELEVISION)
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CUH	CABINET UNIT HEATER
CT	CURRENT TRANSFORMER
CU	COPPER
CWA	CONSTANT WATTAGE AUTOTRANSFORMER
△	DELTA CONNECTION
D	DEEP
DB	DECIBEL
DET	DETECTOR
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EBH	ELECTRIC BASEBOARD HEATER
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
EMER	EMERGENCY
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
F	FUSE(D)
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT (FEET)
FUT	FUTURE
FO	FIBER OPTIC
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HGT	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
J.C.	JANITOR CLOSET
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
ML	MOTORIZED LOUVER
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTR	MOTOR
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OC	OVER COUNTER
OL	OVERLOAD
P	POLE(S)
PA	PUBLIC ADDRESS
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ø	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SPKR	SPEAKER
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
T-STAT	THERMOSTAT
TB	TERMINAL BOARD
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WC	WATER COOLER
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
⅄	WYE CONNECTION

LIGHTING

REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE, LAMP, BALLAST, POWER REQUIREMENTS, MOUNTING HEIGHT AND MANUFACTURER.

- $ — SINGLE POLE LIGHT SWITCH, SUBSCRIPT DENOTES: -3=3 WAY SWITCH; -4=4 WAY SWITCH; -O=OCCUPANCY WALL SWITCH; -D=DIMMER SWITCH; -a=LOWER CASE LETTER DENOTES CONTROL OF FIXTURE(S) AND/OR LAMPS WITH MATCHING LETTER
- $$ — INSTALL SWITCHES IN THE SAME BOX WITH A MULTI-GANG COVER
- #/X — TYPICAL LIGHTING FIXTURE, X=INDICATES FIXTURE TAG INDENTIFICATION, a=INDICATES BALLAST CONTROL SWITCHING, #=INDICATES BRANCH CIRCUIT DESIGNATION
- SHADING INDICATES EMERGENCY BALLAST OR GENERATOR CONNECTION
- 2X4 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- 1X4 WALL MOUNTED LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- STRIP TYPE FIXTURE
- WALL MOUNTED STRIP TYPE FIXTURE
- CEILING MOUNTED DOWN LIGHT
- WALL MOUNTED LIGHT FIXTURE
- WALL PACK
- EXIT SIGN
- EMEGENCY WALL PACK
- PHOTOCELL (PC)
- TIME CLOCK (TC)

RACEWAYS

- CONDUIT CONCEALED AS SPECIFIED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- PP-1 1/3/5 — HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)
- CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
- UNDERGROUND CONDUIT
- GROUND CONDUCTOR
- GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
- INDICATES EXISTING DEVICES OR EQUIPMENT

DEVICES AND APPURTENANCES

- $M — SINGLE POLE TOGGLE SWITCH
- ΦWP — DUPLEX RECEPTACLE, SUBSCRIPT DENOTES: -WP=WEATHER PROOF; -SPD=SURGE PROTECTED; -OC=OVER COUNTER (1); -E=UTILIZE EXISTING RACEWAY; -42=MOUNTING HEIGHT OF 42 INCHES
- TWO – 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER
- FLUSH FLOOR BOX BARRIERED COMPARTMENTS FOR POWER OUTLET; DATA OUTLET AND TELEPHONE OUTLET. PROVIDE BASE WITH BRASS COVER.
- FLUSH FLOOR BOX w/POWER OUTLET & BRASS COVER
- HARDWARE EQUIPMENT CONNECTION
- GROUND ROD (1)
- SINGLE RECEPTACLE
- J — JUNCTION BOX
- CEILING FAN
- HH — HANDHOLE
- HD — HAND DRYER (1)

ONE LINE DIAGRAMS

- POWER TRANSFORMER
- AMPS FRAME — 400AF; AMPS TRIP — 400AT; NR. of POLES — 3P; GFP — MOLDED CASE CIRCUIT BREAKER W/GROUND FAULT PROTECTION
- AUTOMATIC TRANSFER SWITCH (ATS)
- SAFETY DISCONNECT SWITCH – UNFUSED
- NORMALLY OPEN CONTACT/RELAY
- NORMALLY CLOSED CONTACT/RELAY
- G — GENERATOR
- CURRENT TRANSFORMER
- FUSE
- 1 — CIRCUIT TAG REFER TO CONDUIT AND CONDUCTOR SCHEDULE
- GROUNDING CONNECTION
- METER — METER ASSEMBLY
- POTENTIAL TRANSFORMER
- M — MOTOR
- INDICATES EQUIPMENT ENCLOSURE

TELECOMMUNICATIONS

- COMBINATION DATA/TELEPHONE OUTLET BOX. MOUNT AT 18" AFF UON.
- MICROPHONE OR HEADSET/MICROPHONE OUTLET
- MICROPHONE
- WALL MOUNTED IT EQUIPMENT RACK AND IT EQUIPMENT
- # — FLOOR MOUNTED SECURITY EQUIPMENT RACK. DOOR INDICATES FRONT OF RACK. # - INDICATES SECURITY EQUIPMENT RACK NUMBER. (1)

FIRE ALARM SYMBOLS

- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- F — MANUAL FIRE ALARM STATION (45" AFF)
- B — FIRE ALARM BELL
- F — FIRE COMBINATION HORN/STROBE ALARM
- F — VISUAL ALARM APPLIANCE (15 CANDELA STROBE UON BY SUBSCRIPT NUMBER)
- S — SMOKE DETECTOR
- D — DUCT SMOKE DETECTOR WITH SAMPLING TUBE, REMOTE INDICATOR, AUXILIARY CONTACTS AND REMOTE KEY OPERATED RESET SWITCH
- H — HEAT DETECTOR: 135° FIXED TEMPERATURE U.O.N. BY SUBSCRIPT NUMBER; ROR = RATE OF RISE
- SV — FIRE SUPRESSION SOLENOID RELEASE VALVE
- VESDA SAMPLING TUBE
- PS — PRESSURE SWITCH
- TS — TAMPER SWITCH
- FS — FLOW SWITCH
- END OF LINE RESISTOR
- KB — KNOX BOX
- D — OVERHEAD DOOR CLOSING DEVICE
- CO — CARBON MONOXIDE DETECTOR (1)

POWER DISTRIBUTION EQUIPMENT

- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- DISTRIBUTION PANEL
- 30/3 — NON-FUSED SAFETY SWITCH DISCONNECT RATING/POLES
- 30/3/15 — FUSIBLE SAFETY SWITCH DISCONNECT RATING/POLES/FUSE RATING
- UH — UNIT HEATER
- MOTORIZED DAMPER
- $M — MANUAL STARTER WITH OVERLOAD RELAY, POLES AND VOLTAGE AS REQUIRED

GENERAL

- # — NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE
- # — NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER
- X/XXX — DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CONSTRUCTION, ELECTRICAL, HVAC AND PLUMBING CONTRACT DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).

2. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. DETERMINE EXACT LOCATION OF ALL CONDUIT RUNS IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.

3. CONCEAL ALL CONDUITS AND/OR WIRING WITHIN WALLS, UNDERFLOORS AND/OR ABOVE SUSPENDED CEILINGS.

(1) ENERGY CODE COMPLIANCE STATEMENT:

THE DESIGN PROFESSIONAL WHO SIGNED AND SEALED THESE DOCUMENTS STATES THAT, TO THE BEST OF THEIR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, SUCH DOCUMENTS COMPLY WITH THE ENERGY CODE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
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III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT: ELECTRICAL

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER, 375 RUSH-SCOTTSVILLE ROAD, RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 90 ELECTRICAL LEGEND AND ABBREVIATION

DRAWING NUMBER: E-6001

SHEET OF

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36x24 PLOT SHEET

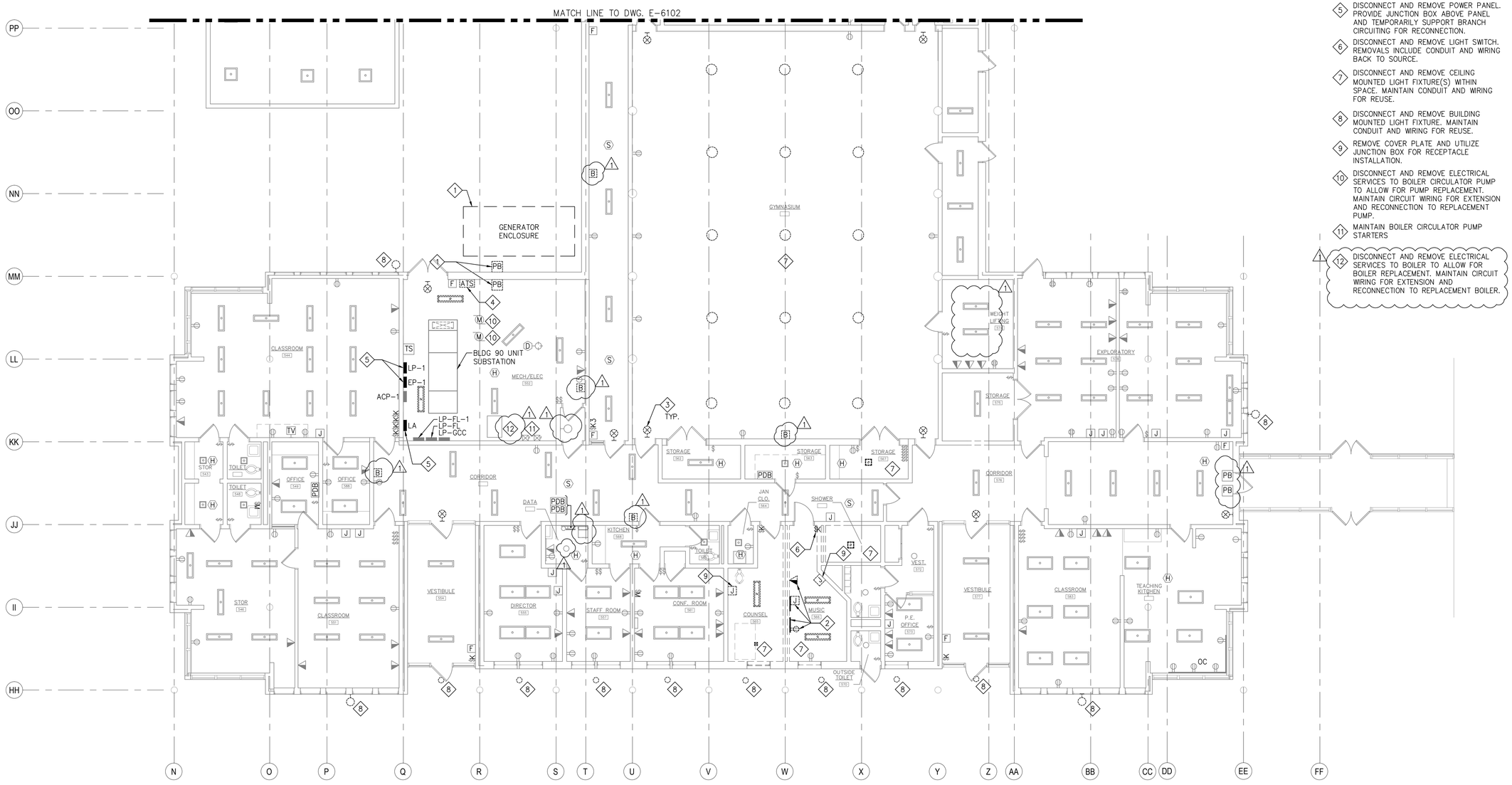
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36x24 PLOT SHEET

GENERAL NOTES

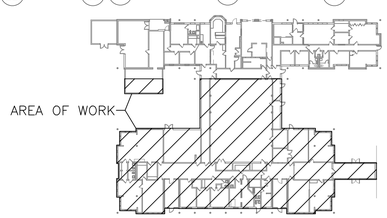
1. SCHEDULE AND COORDINATE ALL INTERRUPTIONS OF POWER FOR DEMOLITION WITH THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ELECTRICAL CIRCUITS FEEDING FROM OR THROUGH THE CONTRACT AREA.
2. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.

REMOVAL CODED NOTES

1. DISCONNECT AND REMOVE GENERATOR. REMOVALS INCLUDE ENCLOSURE, WIRING AND PULL BOXES BACK TO SOURCE. CAP AND SEAL CONDUIT FLUSH WITH CONCRETE PAD.
2. DISCONNECT AND REMOVE JUNCTION BOX, DATA DROP AND RECEPTACLE FROM WALL. REMOVALS INCLUDE CONDUIT, SURFACE RACEWAYS AND WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE WALL MOUNTED EXIT SIGN. MAINTAIN CONDUIT AND WIRING FOR REUSE.
4. DISCONNECT AND REMOVE AUTOMATIC TRANSFER SWITCH. REMOVALS INCLUDE CONDUIT AND WIRING BACK TO SOURCE.
5. DISCONNECT AND REMOVE POWER PANEL. PROVIDE JUNCTION BOX ABOVE PANEL AND TEMPORARILY SUPPORT BRANCH CIRCUITING FOR RECONNECTION.
6. DISCONNECT AND REMOVE LIGHT SWITCH. REMOVALS INCLUDE CONDUIT AND WIRING BACK TO SOURCE.
7. DISCONNECT AND REMOVE CEILING MOUNTED LIGHT FIXTURE(S) WITHIN SPACE. MAINTAIN CONDUIT AND WIRING FOR REUSE.
8. DISCONNECT AND REMOVE BUILDING MOUNTED LIGHT FIXTURE. MAINTAIN CONDUIT AND WIRING FOR REUSE.
9. REMOVE COVER PLATE AND UTILIZE JUNCTION BOX FOR RECEPTACLE INSTALLATION.
10. DISCONNECT AND REMOVE ELECTRICAL SERVICES TO BOILER CIRCULATOR PUMP TO ALLOW FOR PUMP REPLACEMENT. MAINTAIN CIRCUIT WIRING FOR EXTENSION AND RECONNECTION TO REPLACEMENT PUMP.
11. MAINTAIN BOILER CIRCULATOR PUMP STARTERS
12. DISCONNECT AND REMOVE ELECTRICAL SERVICES TO BOILER TO ALLOW FOR BOILER REPLACEMENT. MAINTAIN CIRCUIT WIRING FOR EXTENSION AND RECONNECTION TO REPLACEMENT BOILER.



BUILDING 90 ELECTRICAL REMOVALS PLAN
1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1'
0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 ELECTRICAL REMOVALS PLAN

DRAWING NUMBER:
E-6101

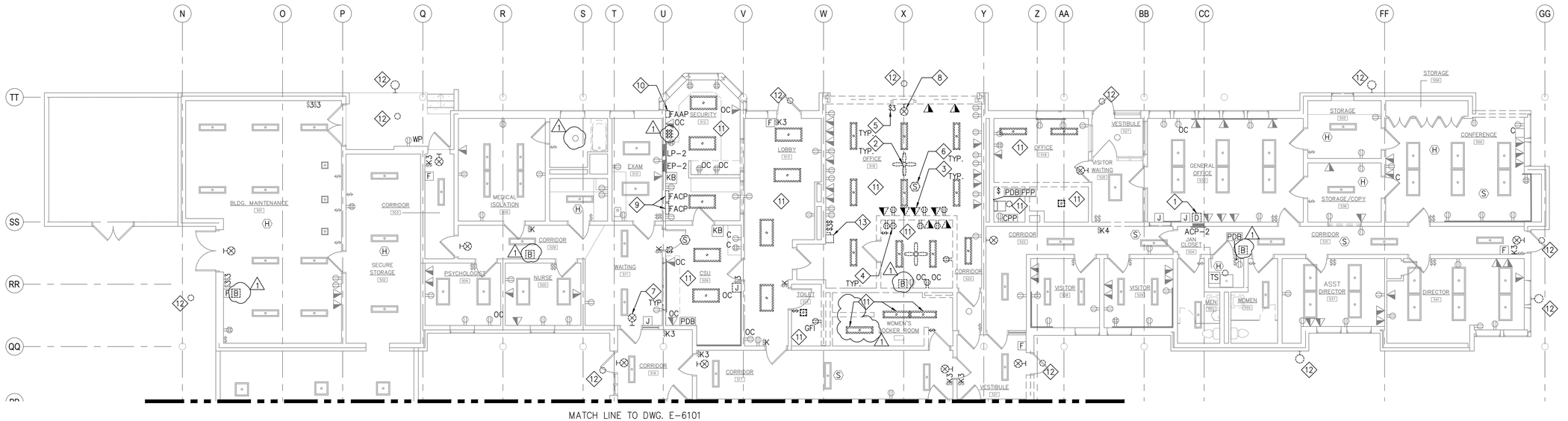
SHEET OF

GENERAL NOTES

1. SCHEDULE AND COORDINATE ALL INTERRUPTIONS OF POWER FOR DEMOLITION WITH THE DIRECTOR'S REPRESENTATIVE. MAINTAIN ELECTRICAL CIRCUITS FEEDING FROM OR THROUGH THE CONTRACT AREA.
2. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.

REMOVAL CODED NOTES

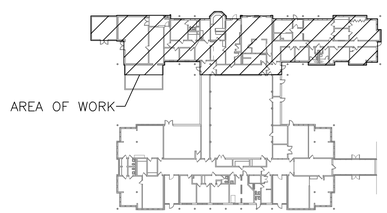
1. DISCONNECT AND REMOVE OVERHEAD DOOR CLOSING DEVICE. REMOVALS INCLUDE CONDUIT AND WIRING BACK TO SOURCE.
2. DISCONNECT AND REMOVE CEILING FAN. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
3. DISCONNECT AND REMOVE DATA DROP. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
4. DISCONNECT AND REMOVE RECEPTACLE. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
5. DISCONNECT AND REMOVE LIGHT SWITCH. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
6. DISCONNECT AND REMOVE SMOKE DETECTOR. CUT BACK CONDUIT AND WIRING TO NEAREST SMOKE DETECTOR. MODIFY WIRING TO MAINTAIN FIRE ALARM ZONE OPERATION.
7. DISCONNECT AND REMOVE WALL MOUNTED EXIT SIGN. MAINTAIN CONDUIT AND WIRING FOR REUSE.
8. DISCONNECT AND REMOVE EXIT SIGN. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
9. DISCONNECT AND REMOVE ZONED FIRE ALARM CONTROL PANEL (FACP). MAINTAIN CIRCUITING FOR RECONNECTION TO ADDRESSABLE FIRE ALARM CONTROL PANEL.
10. DISCONNECT AND REMOVE FIRE ALARM ANNUNCIATOR PANEL. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.
11. DISCONNECT AND REMOVE CEILING MOUNTED LIGHT FIXTURE(S) WITHIN SPACE. REMOVALS INCLUDE CONDUIT AND WIRING BACK TO SOURCE.
12. DISCONNECT AND REMOVE BUILDING MOUNTED LIGHT FIXTURE. MAINTAIN CONDUIT AND WIRING FOR REUSE.
13. DISCONNECT AND REMOVE DISCONNECT SWITCH. REMOVALS INCLUDE CONDUIT, WIRING, AND JUNCTION BOXES BACK TO SOURCE.



MATCH LINE TO DWG. E-6101

BUILDING 90 ELECTRICAL REMOVALS PLAN

1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1'
0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 ELECTRICAL REMOVALS PLAN

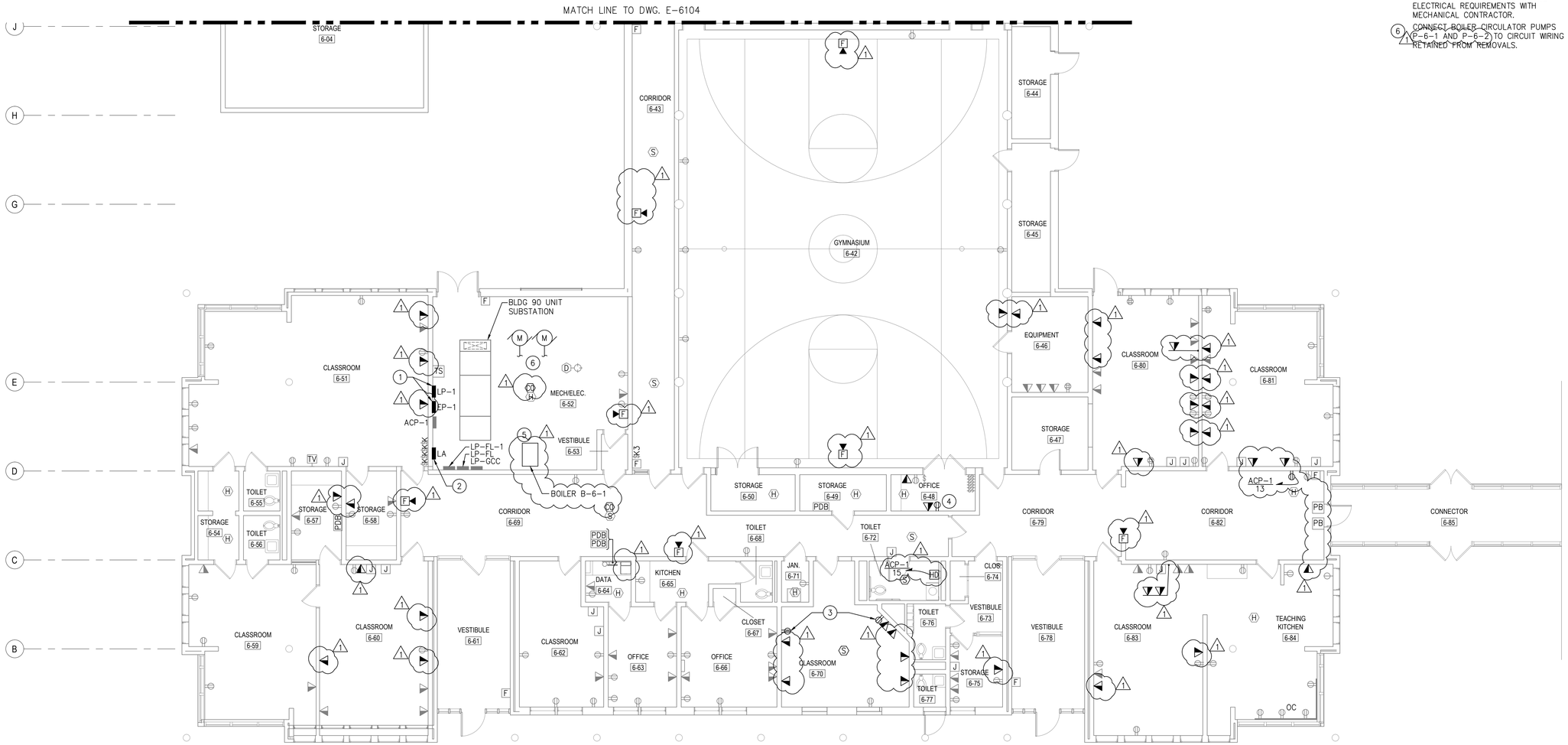
DRAWING NUMBER:
E-6102

SHEET OF

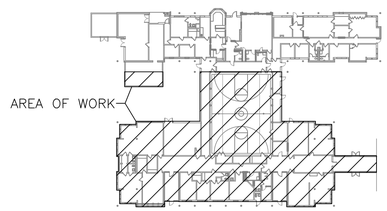
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36x24 PLOT SHEET

CODED NOTES

1. PROVIDE 208/120V, 3ϕ, 4W, 42 CIRCUIT, 225A MLO POWER PANEL AND RECONNECT BRANCH CIRCUITING MAINTAINED IN JUNCTION BOX.
2. PROVIDE 208/120V, 3ϕ, 4W, 42 CIRCUIT, 100A MLO POWER PANEL AND RECONNECT BRANCH CIRCUITING MAINTAINED IN JUNCTION BOX.
3. PROVIDE RECEPTACLE AND WIRING IN RECESSED JUNCTION BOX. CONNECT TO POWER CIRCUIT WITHIN ROOM.
4. CONNECT RECEPTACLE TO POWER CIRCUIT WITHIN ROOM.
5. RECONNECT BOILER CIRCUIT WIRING RETAINED FROM REMOVALS TO REPLACEMENT BOILER. COORDINATE ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR.
6. CONNECT BOILER CIRCULATOR PUMPS P-6-1 AND P-6-2 TO CIRCUIT WIRING RETAINED FROM REMOVALS.



BUILDING 90 POWER & SYSTEMS PLAN
1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

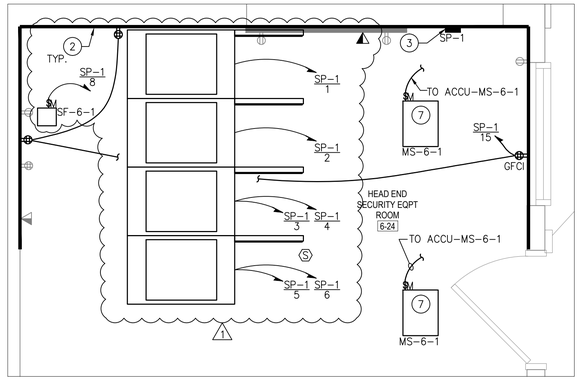
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 POWER & SYSTEMS PLAN

DRAWING NUMBER:
E-6103

SHEET OF

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36x24 PLOT SHEET

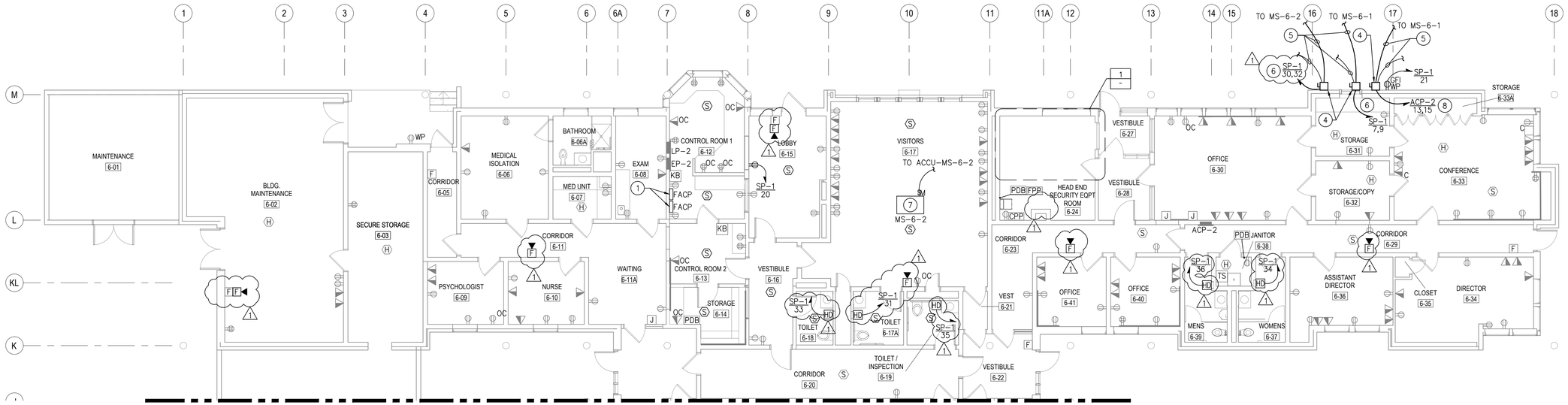


1 ENLARGED CONTROLS ROOM

– 1/2" = 1'

CODED NOTES

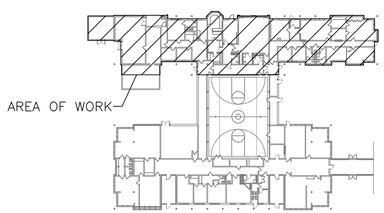
1. PROVIDE SIMPLEX 4100ES FIRE ALARM CONTROL PANEL (FACP) WITH NETWORK BOARDS. PROVIDE WITH 20 ZONE ADDRESSABLE MODULES. CONNECT EACH TO FIRE ALARM ZONE CIRCUITS RETAINED FROM REMOVALS. RECONNECT ALL RETAINED CIRCUITING FROM REMOVALS. PROVIDE ALL TESTING AND PROGRAMMING REQUIRED FOR ALL EXISTING FIRE ALARM DEVICES TO CONNECT TO FIRE ALARM CONTROL PANEL FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
2. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
3. PROVIDE 225A, 120/208V, 3ø, 4W PANEL 'SP-1'.
4. PROVIDE 30A/2P, NEMA 3R, HEAVY DUTY RATED NON-FUSED DISCONNECT SWITCH.
5. PROVIDE 3/4"C. w/2#12, 1#12G. TO INDOOR UNITS MS-6-1 & MS-6-2.
6. PROVIDE 3/4"C. w/2#12, 1#12G TO POWER PANEL 'SP-1'.
7. POWER FOR INDOOR AC EVAPORATION UNIT SHALL COME FROM OUTPUT TERMINAL ON OUTDOOR AC CONDENSING UNIT CONTROL PANEL.
8. PROVIDE 3/4"C. w/2#12, 1#12G TO POWER PANEL 'ACP-2'.



MATCH LINE TO DWG. E-6103

BUILDING 90 POWER & SYSTEMS PLAN

1/8" = 1'



KEY PLAN

NOT TO SCALE

GRAPHIC SCALE (FEET)

1/2"=1' 0' 5' 10'

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 90 POWER & SYSTEMS PLAN

DRAWING NUMBER:

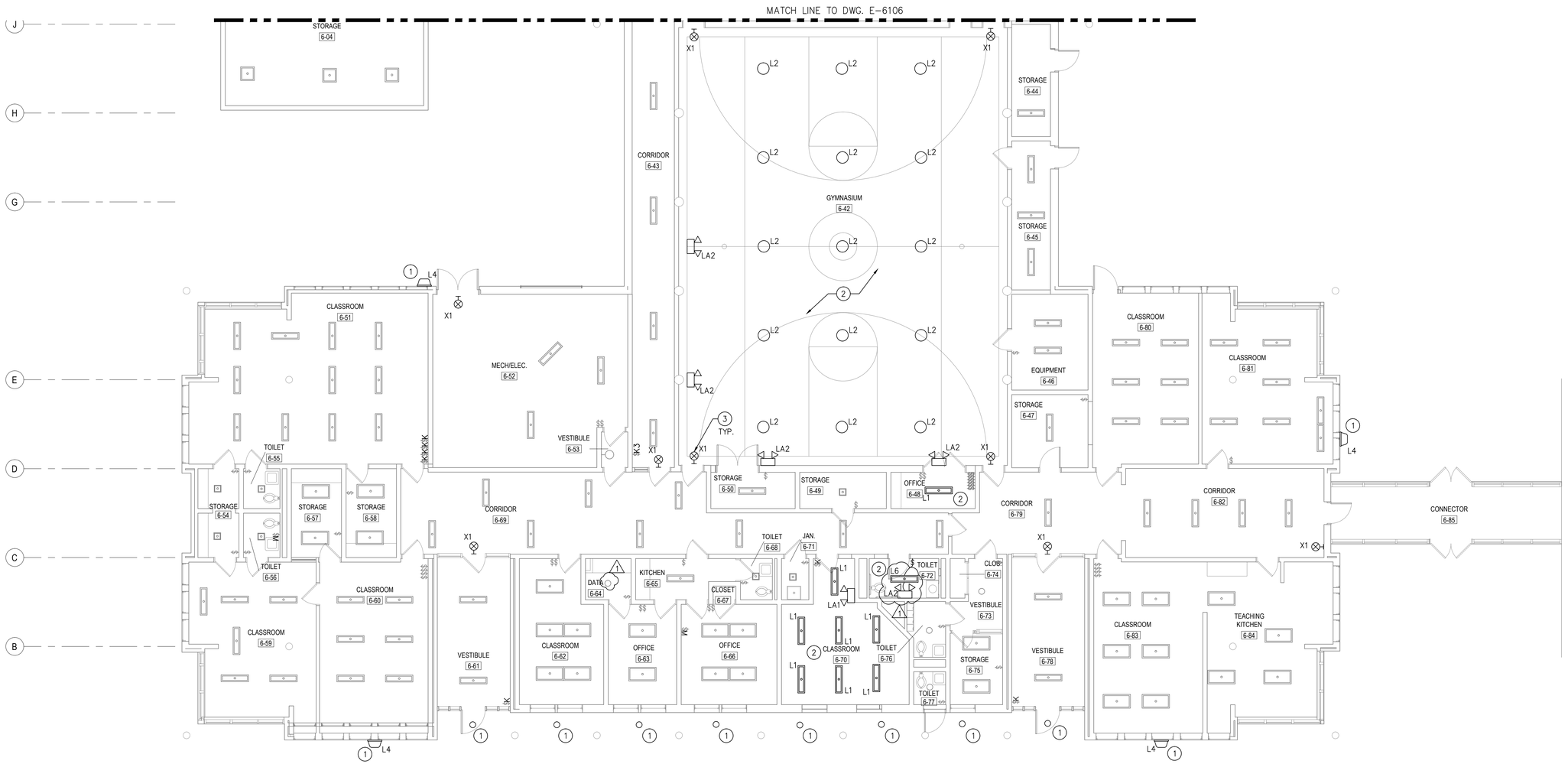
E-6104

SHEET OF

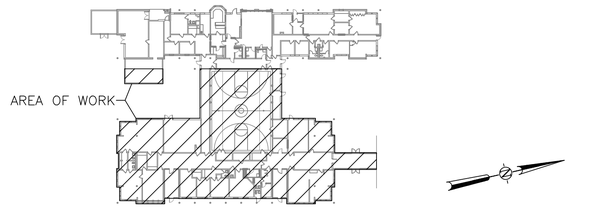
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36x24 PLOT SHEET

CODED NOTES

1. PROVIDE SURFACE MOUNTED LIGHT FIXTURE AND CONNECT TO MAINTAINED CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.
2. PROVIDE LIGHT FIXTURE(S) AS INDICATED AND CONNECT TO CIRCUIT WIRING RETAINED FROM REMOVALS. EXTEND CONDUIT AND WIRING AS REQUIRED.
3. PROVIDE WALL MOUNTED EXIT SIGN AND CONNECT TO MAINTAINED CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.



BUILDING 90 LIGHTING PLAN
1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 LIGHTING PLAN

DRAWING NUMBER:
E-6105

SHEET OF

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36x24 PLOT SHEET

LOCATION: CORRIDOR 6–29
MOUNTING: RECESSED
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: ACP–2

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 100A MCB
SHORT CIRCUIT RATING: 65KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	BUSINESS OFFICE A/C	20/1		20/1	DISCIPLINARY REVIEW OFFICE A/C	2
3	COPIER RM A/C	20/1		20/1	SBMA OFFICE A/C	4
5	GENERAL OFFICE A/C	20/1		20/1	NURSE A/C	6
7	CONFERENCE RM A/C	20/1		20/1	PSYCHOLOGIST A/C	8
9	DIRECTOR'S OFFICE A/C	20/1		20/1	EXISTING LOAD	10
11	EDUCATION OFFICE A/C	20/1		20/1	EXISTING LOAD	12
* 13	ACCU–6–1, MS–6–1	20/2			SPACE	14
15	↓	↓			SPACE	16
17	SPACE				SPACE	18
19	SPACE				SPACE	20
21	SPACE				SPACE	22
23	SPACE				SPACE	24
25	SPACE				SPACE	26
27	SPACE				SPACE	28
29	SPACE				SPACE	30

* PROVIDE (1) 20A/2P BREAKER IN PANEL SPACES TO FEED NEW LOADS.

LOCATION: CSU1 6–12
MOUNTING: RECESSED
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: EP–2

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 225A MLO
SHORT CIRCUIT RATING: 10KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	SPACE				SPACE	2
3	SPACE				SPACE	4
5	HALLWAY UNIT HEATERS	20/1			SPACE	6
7	PERSONAL OFFICE	20/1		20/1	BUS. OFFICE	8
9	EXISTING LOAD	20/1		20/1	BUS. OFFICE	10
11	F3	20/1		20/1	EXISTING LOAD	12
13	F5	20/1		30/2	EXISTING LOAD	14
15	UH 1–2–3	20/1		↓	↓	16
17	EXISTING LOAD	20/1		20/1	EXISTING LOAD	18
19	EXISTING LOAD	20/1		20/1	EXISTING LOAD	20
21	EXISTING LOAD	20/1		20/1	EXISTING LOAD	22
23	SPACE			30/2	EXISTING LOAD	24
25	SPACE			↓	↓	26
27	SPACE				SPACE	28
29	SPACE				SPACE	30
31	SPACE				SPACE	32
33	EXISTING LOAD	60/2		20/2	KITCHEN UNIT	34
35	↓	↓		↓	↓	36
37	EXISTING LOAD	15/3		15/3	S. GATE	38
39	↓	↓		↓	↓	40
41	↓	↓		↓	↓	42
43	EXISTING LOAD	20/1		30/1		44
45	EXISTING LOAD	20/1		20/1	N. GATE	46
47	SPACE				SPACE	48

LOCATION: MECH/ ELEC 6–52
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: ACP–1

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 100A MCB
SHORT CIRCUIT RATING: 65KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	RM. 12–A A/C	20/1		20/1	MUSIC RM. A/C	2
3	RM. 11–B WEIGHT ROOM A/C	20/1		20/1	PHYSICIAN OFFICE A/C	4
5	RM. 11–A A/C	20/1		20/1	RM. 2 ARTS AND CRAFTS A/C	6
7	CONFERENCE ROOM	20/1		20/1	RM. 1 GAME ROOM A/C	8
9	DIRECTOR'S OFFICE A/C	20/1		20/1	RM. 13 A/C	10
11	EDUCATION OFFICE A/C	20/1		20/1	EXISTING LOAD	12
1 * 13	METAL DETECTOR	20/1			SPACE	14
* 15	HAND DRYER RM. 6–72	20/1			SPACE	16
17	SPACE				SPACE	18
19	SPACE				SPACE	20
21	SPACE				SPACE	22
23	SPACE				SPACE	24
25	SPACE				SPACE	26
27	SPACE				SPACE	28
29	SPACE				SPACE	30
31	SPACE				SPACE	32

1 * PROVIDE (1) 20A/1P BREAKER IN PANEL SPACE TO FEED NEW LOAD.

LOCATION: CSU1 6–12
MOUNTING: RECESSED
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: LP–2

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 100A MLO
SHORT CIRCUIT RATING: FIELD VERIFY

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	REC. 510–512 (INTERCOM) (GATE SWITCHES)	20/1		20/1	LIGHTS 501,502	2
3	REC. 512–518 OUTSIDE WEST	20/1		20/1	LIGHTS 509,510,511,515,504,506	4
5	REC. 511	20/1		20/1	LIGHTS 512,513,518,526,528,529,532,533,519A	6
7	REC. 515,517,543	20/1		20/1	LIGHTS 517,522,531	8
9	REC. 531	20/1		20/1	LIGHTS 530,535,536,538	10
11	REC. 526,528,529,534 – TO EP–3	20/1		20/1	LIGHTS 537,540	12
13	REC. 530 – TO EP–9	20/1		20/1	LIGHTS 507,508,514,523,524,525,527,534	14
15	REC. 535,538 – TO EP–5	20/1		20/2	SITE LIGHTS	16
17	REC. 537,541 – EP EYELLOW	20/1		↓	↓	18
19	REC. 506,504	20/1		20/1	FIRE ALARM	20
21	REC. 508	20/1		20/1	FIRE ALARM	22
23	REC. 508	20/1		20/1	DOOR SECURITY	24
25	REC. 501,502	20/1		20/1		26
27	REC. 505 SOUTHWEST OUTSIDE	20/1		20/1		28
29	SPACE			20/1		30

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 PANEL SCHEDULES

DRAWING NUMBER:
E–6401

SHEET OF

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36x24 PLOT SHEET

LOCATION: MECH/ ELEC 6-52
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: EP-1

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 225A MLO
SHORT CIRCUIT RATING: 10KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	EXISTING LOAD	20/3	15/3	EXISTING LOAD	2
3	↓	↓	↓	↓	4
5	↓	↓	↓	↓	6
7	EXISTING LOAD	15/3	15/3	EXISTING LOAD	8
9	↓	↓	↓	↓	10
11	↓	↓	↓	↓	12
13	EXISTING LOAD	15/3	15/3	EXISTING LOAD	14
15	↓	↓	↓	↓	16
17	↓	↓	↓	↓	18
19	EXISTING LOAD	50/2	30/2	EXISTING LOAD	20
21	↓	↓	↓	↓	22
23	EXISTING LOAD	20/1	20/1	EXISTING LOAD	24
25	EXISTING LOAD	20/1	20/1	EXISTING LOAD	26
27	EXISTING LOAD	20/1	20/1	EXISTING LOAD	28
29	EXISTING LOAD	20/1	20/1	EXISTING LOAD	30
31	EXISTING LOAD	20/1	20/1	EXISTING LOAD	32
33	EXISTING LOAD	20/1	20/1	EXISTING LOAD	34
35	EXISTING LOAD	30/1	20/1	EXISTING LOAD	36
37	SPACE			SPACE	38
39	SPACE			SPACE	40
41	SPACE			SPACE	42
43	SPACE			SPACE	44

LOCATION: MECH/ ELEC 6-52
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: LP-1

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 225A MLO
SHORT CIRCUIT RATING: FIELD VERIFY

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	GYM	20/1	20/1	LIGHTS 44	2
3	REC. 78	20/1	20/1	LIGHTS 44	4
5	REC. 78,85	20/1	20/1	LIGHTS 51	6
7	REC. 85	20/1	20/1	LIGHTS 51	8
9	REC. 64,65,73	20/1	20/1	LIGHTS 49,50,52,53,54,77	10
11	REC. 76,79,80	20/1	20/1	LIGHTS 55,57,61	12
13	REC. 58	20/1	20/1	LIGHTS 65,66,71,73,74,79,80	14
15	REC. 58-61	20/1	20/1	LIGHTS 85	16
17	SIPLEX BELL SYSTEM	20/1	20/1	LIGHTS 85	18
19	REC. 77-54 OUTSIDE	20/1	20/1	LIGHTS 78	20
21	REC. 51	20/1	20/1	LIGHTS 78	22
23	HALLWAY	20/1	20/1	LIGHTS 62,63,67,69,70,71,81,82,83,84	24
25	REC. 21-44	20/1	20/1	LIGHTS 45,46,47,48,56,58,60,64	26
27	12A,12B	20/1	20/1	LIGHTS 43	28
29	GYM: SOUTH WALL	20/1	20/1	LIGHTS 43	30
31	MECH. RM REC., LEAK MONITORING CKT.	20/1	20/1	LIGHTS 43	32
33	100 AMP SUB-PANEL GENERATOR	30/2	20/1	LIGHTS 43	34
35	↓	↓	20/1	LIGHTS 43	36
37	LIGHTS ON EYE WEST, NW SIDES	20/1	20/1	SOFFIT ITS. - THRU TIME CLOCK	38
39	LGTS ON EYE EAST, S, NE SIDES	20/1	20/1	SOFFIT ITS. - THRU TIME CLOCK	40
41	SPACE		20/1	OPEN	42

LOCATION: MECH/ ELEC 6-52
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: LP-FL-1

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 150A MCB
SHORT CIRCUIT RATING: 10KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	CAMERA'S - POWER EAST	30/2	20/1	CONTROL CIRCUIT/CONTRACTOR	2
3	↓	↓		SPACE	4
5	CAMERA'S - POWER WEST	30/2	20/1	CAMERA POWER SUPPLY	6
7	↓	↓	30/1	SECURITY EQUIP. RACK RM. 6-49	8
9	CAMERA'S - POWER CENTER	30/2		SPACE	10
11	↓	↓		SPACE	12
13	SPACE	20/1		SPACE	14
15	SPACE	20/1		SPACE	16
17	SPACE	20/1		SPACE	18
19	SPACE	20/1		SPACE	20
21	SPACE	20/1		SPACE	22
23	SPACE	20/1		SPACE	24
25	LP - GCC	60/3		SPACE	26
27	↓	↓		SPACE	28
29	↓	↓		SPACE	30

LOCATION: MECH/ ELEC 6-52
MOUNTING: SURFACE
SOURCE: LD-FL-1

PANEL ID: LP-GCC

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 100A MLO
SHORT CIRCUIT RATING: 10KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	VEHICLE GATE 1	20/3	20/3	VEHICLE GATE 2	2
3	↓	↓	↓	↓	4
5	↓	↓	↓	↓	6
7	VEHICLE GATE 13	20/3	20/1	G-3	8
9	↓	↓	20/1	G-4	10
11	↓	↓	20/1	G-5	12
13	E-54	20/1	20/1	G-6	14
15	E-53	20/1	20/1	E-515	16
17	MAIN POWER GCC	20/1	20/1	E-518	18
19	SPARE	20/1	20/1	FAS BOX FENCE ALARM POWER	20
21	G-1 HEATER	20/1	20/1	SECURITY RACK POWER	22
23	G-2 HEATER	20/1	20/1	SECURITY RACK POWER	24

LOCATION: MECH/ ELEC 6-52
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: LA

VOLTS, PHASE, WIRE: 208/120V, 3Ø, 4W
MAINS: 100A MLO
SHORT CIRCUIT RATING: 10KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	PERIMETER LIGHTS	20/2	20/2	PERIMETER LIGHTS	2
3	↓	↓	↓	↓	4
5	PERIMETER LIGHTS	20/2	20/2	PERIMETER LIGHTS	6
7	↓	↓	↓	↓	8
9	SPARE	20/1	20/2	SPARE	10
11	SPARE	20/1	↓	↓	12
13	EXISTING LOAD	20/1	20/1	CONTROL CIRCUIT	14
15	CAMERAS	20/1	20/1	ZEZNICK FRIG	16
17	EXISTING LOAD	20/1	20/1	BOILER ROOM LIGHTS	18
19	GYM CENTER LIGHTS	20/1	20/1	CSU, MED, TEL HALLWAY/EXITS LGTS	20
21	EXISTING LOAD	20/1	20/1	HALLWAY/OFFICE/EXIT LIGHTS	22
23	SPACE			SPACE	24

LOCATION: SECURITY HEAD END RM 6-24
MOUNTING: SURFACE
SOURCE: BLDG 90 UNIT SUBSTATION

PANEL ID: SP-1

VOLTS, PHASE, WIRE: 280/120V,3ø,4W
MAINS: 225A MCB
SHORT CIRCUIT RATING: 22KAIC

CKT	LOAD DESCRIPTION	CB AMPS/ POLE		CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1	EQUIPMENT RACK UPS	30/1		30/1	EQUIPMENT RACK UPS	2
3	EQUIPMENT RACK UPS	30/1		30/1	EQUIPMENT RACK UPS	4
5	EQUIPMENT RACK UPS	30/1		30/1	EQUIPMENT RACK UPS	6
7	ACCU-6-1, MS-6-1	20/2	1	20/1	SF-6-1	8
9	↓	↓		20/1	SPARE	10
11	SPARE	20/1		20/1	SPARE	12
13	SPARE	20/1		20/1	SPARE	14
15	REC: SECURITY HEAD END	20/1		30/2	LGT: SITE LIGHTING	16
17	LGT: SITE LIGHTING	30/2		↓	↓	18
19	↓	↓		20/1	REC: METAL DETECTOR	20
21	ACCU REC	20/1		30/1	FUTURE EQUIP. RACK UPS	22
23	FUTURE EQUIP. RACK UPS	30/1		20/1	SPARE	24
25	PLC NORMAL POWER	20/1		20/1	SPARE	26
27	SPARE	20/1		20/1	SPARE	28
29	SPARE	20/1		20/2	ACCU-6-2,MS-6-2	30
31	HAND DRYER RM. 6-17A	20/1	1	↓	↓	32
33	HAND DRYER RM. 6-18	20/1		20/1	HAND DRYER RM. 6-37	34
35	HAND DRYER RM. 6-19	20/1		20/1	HAND DRYER RM. 6-39	36
37	PREPARED SPACE				PREPARED SPACE	38
39	PREPARED SPACE				PREPARED SPACE	40
41	PREPARED SPACE				PREPARED SPACE	42

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DESIGN & CONSTRUCTION

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

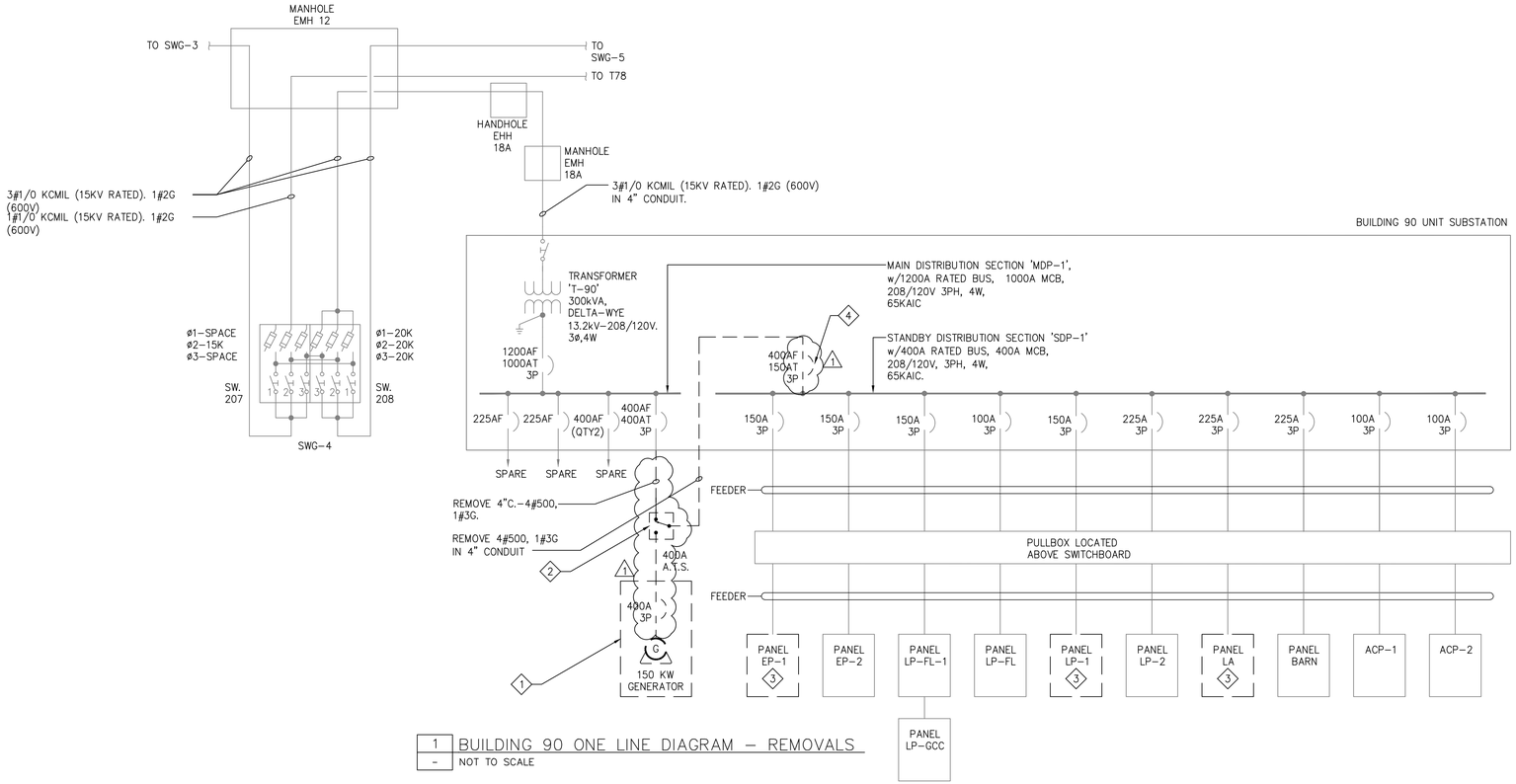
BUILDING 90 PANEL SCHEDULES

DRAWING NUMBER:

E-6402

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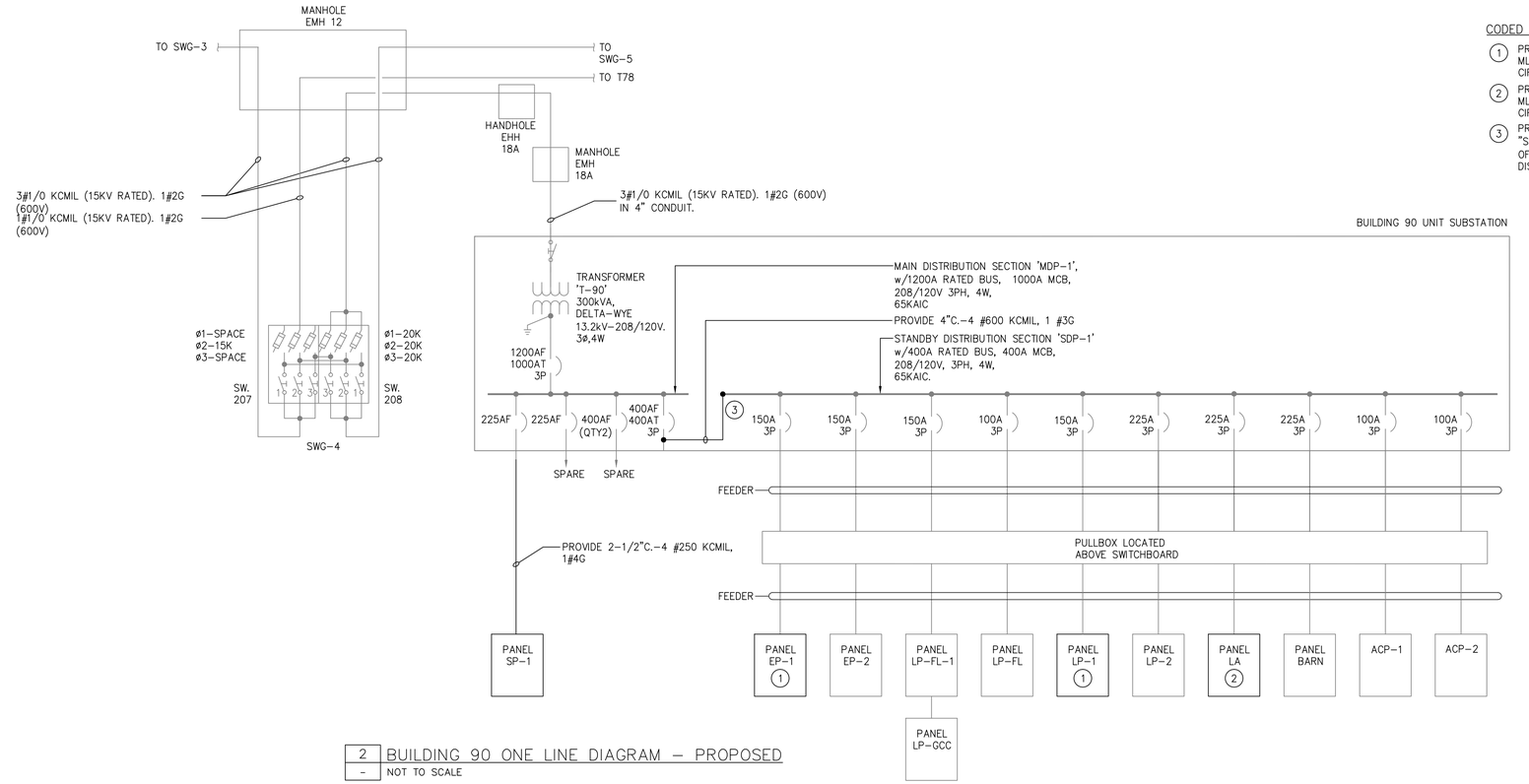
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36x24 PLOT SHEET



1 BUILDING 90 ONE LINE DIAGRAM – REMOVALS
– NOT TO SCALE

REMOVAL CODED NOTES

1. DISCONNECT AND REMOVE GENERATOR. REMOVALS INCLUDE: ENCLOSURE, CONCRETE PAD, CONDUIT, PULL BOXES, AND WIRING BACK TO SOURCE.
2. DISCONNECT AND REMOVE AUTOMATIC TRANSFER SWITCH. REMOVALS INCLUDE CONDUIT AND WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE POWER PANEL. PROVIDE JUNCTION BOX ABOVE PANEL AND TEMPORARILY SUPPORT BRANCH CIRCUITING FOR RECONNECTION.
4. REMOVE 400A MAIN BREAKER MODIFY BUSSING AS INDICATED IN CODED NOTE 3 BELOW.



2 BUILDING 90 ONE LINE DIAGRAM – PROPOSED
– NOT TO SCALE

CODED NOTES

1. PROVIDE 208/120v, 3ϕ, 4W, 42 CIRCUIT, 225A MLO POWER PANEL AND RECONNECT BRANCH CIRCUITING MAINTAINED IN JUNCTION BOX.
2. PROVIDE 208/120v, 3ϕ, 4W, 42 CIRCUIT, 100A MLO POWER PANEL AND RECONNECT BRANCH CIRCUITING MAINTAINED IN JUNCTION BOX.
3. PROVIDE CABLE TERMINATION LUGS ON "SDP-1" BUSSING TO ALLOW FOR TERMINATION OF FEEDER CONDUCTORS FROM "MDP-1" DISTRIBUTION SECTION.

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DESIGN & CONSTRUCTION

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 ONE-LINE DIAGRAMS

DRAWING NUMBER:
E-6601

SHEET OF

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GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CEILING TYPES IN EACH SPACE AND FOR PROVIDING PROPER TRIMS FOR FIXTURES INDICATED.
2. ALL SUSPENDED LIGHT FIXTURES TO BE HUNG FROM STRUCTURE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL SUPPORTS, STEMS, THREADED ROD, STEEL CHANNELS AND RELATED EQUIPMENT.
3. ALL LIGHT FIXTURES TO BE INSTALLED IN SUSPENDED CEILINGS TO BE HUNG FROM STRUCTURE WITH APPROPRIATE SUSPENSION SYSTEM AND FIXTURE LOCK CLIPS TO CEILING GRID AS PER NEC 410-16.
4. PRIOR TO ORDERING ANY LIGHT FIXTURE CONTRACTOR IS TO VERIFY COLOR AND FINISH OF ALL LIGHT FIXTURES WITH ARCHITECT.
5. FOR EXACT LOCATIONS OF LIGHT FIXTURES REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
6. ALL LIGHT FIXTURES UTILIZING EMERGENCY BATTERY DRIVER TO BE WIRED AHEAD OF ALL SWITCHES.
7. WIRE ALL EMERGENCY LIGHTING UNITS AHEAD OF ALL SWITCHES.

BUILDING 90 LIGHT FIXTURE SCHEDULE

FIXTURE DESIGNATION	TYPE	DISCRIPTION	MOUNTING	LAMP(S)	VOLTS	WATTAGE (W)	MANUFACTURER & CATALOG NUMBER	COMMENTS
L1	LED	HIGH PERFORMANCE LED RECESSED 1X4 LIGHT FIXTURE, 3000 LUMENS, 4000K.	RECESSED/ CEILING	LED	120	30	LITHONIA LIGHTING: TL4-30L-FW-A12-EZ1-LP840	
L2	LED	PENDANT LOWBAY FIXTURE WITH WIRE GUARD	PENDANT CEILING	LED	120	100	HUBBEL: HHH-4K-LB-LO-D-*-ND-D-**-WH-HA-SP-WG	*= FIELD VERIFY VOLTAGE PRIOR TO ORDERING **= FIELD VERIFY MOUNTING REQUIREMENTS PRIOR TO ORDERING
L3	LED	15" DIAMETER SURFACE MOUNTED EXTERIOR LED SOFFIT LIGHT FIXTURE, 2000 LUMENS, 4000K.	SURFACE/ SOFFIT	LED	120	19	KENALL: RHR15D-W-PP-15L40K-DV-SC	
L4	LED	DARK SKY COMPLIANT HIGH PERFORMANCE LED EXTERIOR WALL MOUNTED LIGHT FIXTURE, 3,200 LUMENS, 4000K, WIDE DISTRIBUTION, BLACK.	SURFACE/ WALL	LED	MVOLT	25	LITHONIA LIGHTING: WST LED-P2-40K-VW-MVOLT-DBLXD	
L5	LED	HIGH PERFORMANCE 4' LED STRIP LIGHT, 1800 LUMENS, 4000K, WET LOCATIONS.	SURFACE/ WALL	LED	120	24	LITHONIA LIGHTING: XWMLED	
L6	LED	1x4 RECESSED CEILING MOUNTED LED LIGHT FIXTURE, 3000K, VANDAL RESISTANT.	RECESSED/ CEILING	LED	120	50	LUMINAIRE LED: RM14-F-A-1-3000K-120-277-B-1-CTX	
X1	LED	VANDAL RESISTANT LED EXIT SIGN WITH SECURITY SCREWS.	WALL/CEILING	LED	120	4.6	LITHONIA LIGHTING: LV-S-W-*-R-120/277-UM ELA-TPS-T20	*= SEE FLOOR PLANS FOR NUMBER OF FACES
LA1	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND NI-CAD BATTERY.	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2-LED-SD	
LA2	LED	LOW PROFILE WALL MOUNTED LED EMERGENCY LIGHT WITH SELF DIAGNOSTICS, NI-CAD BATTERY AND THERMOPLASTIC VANDAL SHIELD. 1	SURFACE/ WALL	LED	120	1.44	LITHONIA LIGHTING: ELM2-LED-SD-ELAVS 1	

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 LIGHT FIXTURE SCHEDULE

DRAWING NUMBER:
E-6701

SHEET OF

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36x24 PLOT SHEET

ELECTRICAL LEGEND

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
ACP	ALTERNATING CURRENT POWER CABLE
AF	AMPERE FRAME/FUSE
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AIU	ALARM INTERFACE UNIT
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BLDG	BUILDING
C	CONDUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
CSU	CENTRAL SERVICE UNIT
CU	COPPER
Δ	DELTA
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
°	DEGREE
EA	EACH
EGC	EQUIPMENT GROUND CONDUCTOR
ELEC	ELECTRIC(AL)
EQUIP	EQUIPMENT
ES(ACS)	ETHERNET SWITCH (ACCESS CONTROL SYSTEM)
EXT	EXTERIOR
F	FUSE(D)
FPP	FIBER PATCH PANEL
FT	FOOT (FEET)
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GPS	GLOBAL POSITIONING SYSTEM
GUI	GRAPHICAL USER INTERFACE
HP	HORSEPOWER
ID	IDENTIFY, IDENTIFICATION
IMS	INTERCOM MASTER STATION
IR	INTERCOM RELAY
ISS	INTERCOM SUB STATION
KB	KEYBOARD (USB)
KCM/Kcmil	THOUSAND CIRCULAR MILS
KCU	KEYBOARD CONTROL UNIT
KVM-E	KEYBOARD/VIDEO/MOUSE EXTENDER
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MCC	MULTICONDUCTOR CABLE
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTR	MOTOR
N	NORTH & NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
No/#	NUMBER
OC	OVER COUNTER
OCFS	OFFICE OF CHILDREN AND FAMILY SERVICES
P	POLE(S)
PA	PUBLIC ADDRESS
PB	PULL BOX
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PR	PAGING RELAY
PS	POWER SUPPLY
ø	PHASE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
SEC	SECONDARY
SM	SYSTEM MANAGER
SPB	SIGNAL PULLBOX
SPKR	SPEAKER
TEMP	TEMPORARY/TEMPERATURE
T-STAT	THERMOSTAT
TB	TERMINAL BOARD
TMP	TAMPER ALARM CABLE
TS	TAMPER SWITCH
TYP	TYPICAL
UDI	UNIVERSAL DEVICE INTERFACE
UPS	UNINTERRUPTED POWER SUPPLY
w/	WITH
WP	WEATHERPROOF
WS	WORKSTATION
XFMR/T	TRANSFORMER

GENERAL

- (#) — NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER: REFER TO THE CODED NOTE WITH THE MATCHING NUMBER.
- ◇# — NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER: REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER.
- X / X — DETAIL / PLAN NUMBER; DRAWING NUMBER
- (#-#) / (#) — DOOR/GATE NUMBER
- (#) — CABLE SCHEDULE CALLOUT
- CS XXXX — CAMERA STATION No.

GROUNDING

- GROUND ROD
- GROUND BAR

RACEWAYS

- RACEWAYS WITH WIRING OR PULL ROPE AS INDICATED. 3/4" IS MINIMUM CONDUIT SIZE.
- EQUIPMENT RACK WIRING
- GROUNDING CONDUCTOR SIZE PER NEC OR LARGER WHERE INDICATED
- RACEWAYS WITH CAMERA STATION WIRING
- SC — SENSOR CABLE
- F — FENCE MOUNTED CONDUIT
- PP-1 / 1/3/5 — CIRCUIT HOMERUN BACK TO PANEL AS INDICATED. DASHED LINE INDICATES BELOW GROUND (OR BELOW FLOOR)
  #.#.# MULTIPLE SINGLE PHASE CIRCUITS
  #/#/# THREE PHASE CIRCUIT
  MINIMUM 3/4" CONDUIT WITH #12 AWG WIRE. WHERE LARGER WIRING IS INDICATED TO REDUCE VOLTAGE DROP, PROVIDE WIRING AS INDICATED TO THE LAST FIXTURE, DEVICE, EQUIPMENT, ETC. ON THE CIRCUIT.
- UNDERGROUND RACEWAY
- VERTICAL CONDUIT PENETRATION

DISTRIBUTION/DEVICES

- EXISTING PANELBOARD TO REMAIN
- BRANCH CIRCUIT PANELBOARD
  208/120V, 3ø, 4W, UNLESS OTHERWISE NOTED
- 20 AMP DUPLEX RECEPTACLE
  GFI – INDICATES GROUND FAULT INTERRUPTER DEVICE
  OC – INDICATES MOUNTED OVER COUNTER
- 20 AMP QUAD RECEPTACLE
- PB ## — PULL BOX, SIZE AT EACH LOCATION AS NOTED ON DRAWINGS
  SUBSCRIPT ## INDICATES PULLBOX NUMBER.
- COMBINATION DATA/TELEPHONE OUTLET BOX. MOUNT AT 18" AFF UON.
- (S) STROBE LIGHT (1)

SECURITY

- # / CS XX — INDOOR FIXED FOCAL LENGTH LENS CAMERA STATION, WALL MOUNTED.
  SUBSCRIPT # INDICATES ASSOCIATED PULL BOX.
  SUBSCRIPT 90° INDICATES FIELD OF VIEW
- CP-XX (1) / CS XX — OUTDOOR FIXED FOCAL CAMERA/HOUSING ASSEMBLY CAMERA STATION, POLE MOUNTED WITH MOUNTING ARM.
  SUBSCRIPT 'CP-XX' INDICATES CAMERA POLE No.
- CP-XX / CS XX — OUTDOOR HIGH SPEED CAMERA/HOUSING ASSEMBLY CAMERA STATION, POLE MOUNTED WITH MOUNTING ARM.
  SUBSCRIPT 'CP-XX' INDICATES CAMERA POLE No.
- # (1) / CS XX (1) — INDOOR FIXED FOCAL LENGTH LENS CAMERA STATION.
  SUBSCRIPT # INDICATES ASSOCIATED PULL BOX.
- # (1) / CS XX (1) — OUTDOOR FIXED FOCAL CAMERA/HOUSING ASSEMBLY CAMERA STATION.
  SUBSCRIPT # INDICATES ASSOCIATED PULL BOX.
- # — SECURITY EQUIPMENT AND SECURITY EQUIPMENT RACK. DOOR INDICATES FRONT OF EQUIPMENT RACK.
  # – INDICATES SECURITY EQUIPMENT RACK NUMBER
- WALL MOUNTED SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT
- ISS # — INTERCOM SUBSTATION
  SUBSCRIPT # INDICATES INTERCOM SUBSTATION ID NUMBER
  SUBSCRIPT EXT INDICATES EXTERIOR INTERCOM SUBSTATION (1)
- IMS — INTERCOM MASTER SUBSTATION
- POE — POWER OVER ETHERNET SWITCH, 10/100/1000
- ES — ETHERNET SWITCH, 10/100/1000
  (1) SUBSCRIPT ACS INDICATES ACCESS CONTROL SYSTEM NETWORK
  SUBSCRIPT FPS INDICATES FENCE PROTECTION SYSTEM
- UDI — UNIVERSAL DEVICE INTERFACE
  (1) SUBSCRIPT FPS INDICATES FENCE PROTECTION SYSTEM
  SUBSCRIPT PLC INDICATES PROGRAMMABLE LOGIC CONTROLLER
- ELECTRO-MECHANICAL DOOR LOCKING HARDWARE WITH LATCH BOLT MONITORING (PROVIDED BY CONSTRUCTION CONTRACTOR)
- G — DOOR POSITION SWITCH – RECESSED (PROVIDED BY CONSTRUCTION CONTRACTOR)
  SUBSCRIPT G INDICATES GATE POSITION SWITCH (PROVIDED BY CONSTRUCTION CONTRACTOR)
- PRINTER P — PRINTER
  SUBSCRIPT P INDICATED PLC PRINTER
- PLC — PROGRAMMABLE LOGIC CONTROLLER (PLC)
- BOB IB16 — BREAK OUT BOARD
  SUBSCRIPT IB16 INDICATES NUMBER OF INPUTS
  SUBSCRIPT OB16 INDICATES NUMBER OF OUTPUTS
- NVT — MULTI-CHANNEL PASSIVE TRANSCEIVER
- POE-S — POWER OVER ETHERNET SURGE PROTECTOR

SECURITY CONTINUED

- CR / RB16 — CONTROL RELAYS
  SUBSCRIPT RB16 INDICATES NUMBER OF RELAYS
- IR / ARB16 — INTERCOM RELAYS
  SUBSCRIPT ARB16 INDICATES NUMBER OF RELAYS
- PR / ARB16 — PAGING RELAYS
  SUBSCRIPT ARB16 INDICATES NUMBER OF RELAYS
- CPU / T — CENTRAL PROCESSING UNIT
  SUBSCRIPT T INDICATES TOUCH SCREEN CPU
  SUBSCRIPT P INDICATES PROGRAMMING CPU
  SUBSCRIPT A INDICATES ADMIN CPU
  (1) SUBSCRIPT FPS INDICATES FENCE PROTECTION SYSTEM
- IRA — INTERCOM REMOTE AMP
- RPS-# — RACK MOUNTED POWER SUPPLY
  SUBSCRIPT 1 INDICATES CLASS 1 POWER SUPPLY
  SUBSCRIPT 2 INDICATES CLASS 2 POWER SUPPLY
- RT — RACK MOUNTED TRANSFORMER CLASS 2
- UPS — ON-LINE UNINTERRUPTED POWER SUPPLY, PROVIDE POWER DISTRIBUTION UNIT AS REQUIRED
- NETCLOCK/GPS POLE MOUNTED ANTENNA
- NTP — NETCLOCK/GPS NETWORK TIME PROTOCOL TIME SERVER WITH FRONT PANEL DISPLAY
- DMF — DIN-RAIL MOUNTED FEEDER/DISTRIBUTION
- DMR — DIN-RAIL MOUNTED RECEPTACLE
- MON — INTERCOM CALL UP MONITOR
- KVM-E — KEYBOARD/VIDEO/MOUSE EXTENDER
- CES — CORE ETHERNET SWITCH
- FPP — FIBER PATCH PANEL
- KCU — KEYBOARD CONTROL UNIT
- ED — ENHANCED DECODER
- KB — USB KEYBOARD/MOUSE
- WS — SECURITY SYSTEM WORKSTATION
- CCTV — WORKSTATION AND MONITOR
  SUBSCRIPT CCTV INDICATES WORKSTATION
  SUBSCRIPT GT INDICATES GUARD TOUR PC, PRINTER AND CHARGE STATION
  SUBSCRIPT DCS INDICATES DOOR CONTROL PC, TOUCH SCREEN, AND MOUSE
- CPS — CAMERA POWER SUPPLY
- NSM — NETWORK STORAGE MANAGER, SIZED FOR 23 DAYS OF STORAGE
- UPS-BAT — EXTERNAL BATTERY PACK FOR UPS
- EAU — ENVIRONMENTAL ALARM UNIT
- TWO CHANNEL SURFACE MOUNTED STEEL RACEWAY
- OFMC — OPTICAL FIBER MEDIA CONVERTER
- OFTR — OPTICAL FIBER TERMINATION RACK
- GATE OPERATOR (PROVIDED BY CONSTRUCTION CONTRACT)
- MICROWAVE TRANSMITTER/RECEIVER
- RP — MICROWAVE REFLECTOR PANEL
- TC — SENSOR CABLE TERMINATION CONDULET
- SB — SPLICE BOX
- FSB — FIBER SPLICE BOX
- (S) — RECESSED CEILING MOUNTED SPEAKER
- S — RECESSED WALL MOUNTED SPEAKER
- GT — GUARD TOUR CHARGING STATION
- GUARD TOUR SYSTEM CHECK STATION
- W — WATERBUG SENSOR

(1) ENERGY CODE COMPLIANCE STATEMENT:

THE DESIGN PROFESSIONAL WHO SIGNED AND SEALED THESE DOCUMENTS STATES THAT, TO THE BEST OF THEIR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, SUCH DOCUMENTS COMPLY WITH THE ENERGY CODE.

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LOCATION:
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375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SECURITY LEGEND AND ABBREVIATIONS

DRAWING NUMBER:
EY-0001

SHEET OF

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36x24 PLOT SHEET

DEMOLITION GENERAL NOTES:

1. DISCONNECT AND REMOVE EXISTING INTERCOMS/PUSHBUTTONS AT LOCATIONS WITH PROPOSED INTERCOMS. REMOVAL TO INCLUDE INTERCOMS, PUSHBUTTONS, BACK BOXES, AND WIRING BACK TO SOURCE.
2. THIS CONTRACT IS RESPONSIBLE FOR CUTTING AND PATCHING OF BUILDING FINISHES AND ELEMENTS TO FACILITATE ELECTRICAL REMOVAL WORK. ACQUIRE APPROVAL FOR METHOD OF PATCHING FROM DIRECTOR'S REPRESENTATIVE.
3. EVERY EFFORT HAS BEEN MADE TO INDICATE ALL EQUIPMENT THAT IS TO BE REMOVED THROUGH FIELD OBSERVATIONS. HOWEVER, THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS, DIMENSIONS, AND SCOPE OF ELECTRICAL WORK.
4. REMOVE ALL CONDUIT AND WIRING BACK TO SOURCE PANEL UNLESS INDICATED OTHERWISE. CUT ANY CONDUITS BELOW SLAB AT FINISHED FLOOR AND GROUT OVER FLUSH TO FLOOR.

ELECTRICAL GENERAL NOTES:

1. PRIOR TO INSTALLATION OF ANY CONDUIT AND WIRING, CONDUCT A COORDINATED MEETING WITH OGS, OCFS AND DIRECTOR'S REPRESENTATIVE. EACH CAMERA STATION LOCATION MUST BE FINALIZED AND ROUTING AGREED PRIOR TO START OF CONSTRUCTION.
2. WHERE CONDUIT IS MOUNTED EXPOSED, PROVIDE FIRE RATED SECURITY CAULK ALONG CEILING/WALL TO SEAL GAP BETWEEN CONDUIT AND CEILING/WALL.
3. PAINT ALL EXPOSED CONDUIT, FITTINGS AND PULL BOX TO MATCH EXISTING PAINT SURFACES.
4. TEST ALL CAT 6 CABLE AND TERMINATION FOR DEFECTS AND VERIFY CABLING SYSTEM PERFORMANCE UNDER INSTALLED CONDITIONS ACCORDING TO THE REQUIREMENTS OF ANSI/TIA/EIA-568-B.
5. INSTALL FIBER/CAT6 IN CONTINUOUS LENGTH FROM TERMINATION POINT TO TERMINATION POINT AND LABELED AT EACH END POINT PER ANSI/TIA/EIA-606-A.
6. SEPARATE ALL CAMERA STATION WIRING AND ROUTE TO APPROPRIATE SECURITY EQUIPMENT RACK. ALL CABLES TO BE LABELED WITH BRADY MARKERS OR EQUAL AND HOME RUN FROM CAMERA STATION BACK TO SECURITY EQUIPMENT RACK, NO SPLICES ALLOWED.
7. ALL CAMERA STATION CABLING TO BE NON-PLENUM RATED IN CONDUIT. ANY CABLE FOUND TO BE DEFECTIVE MUST BE REPLACED.
8. TEST AND CERTIFY ALL WIRES TO BE FREE OF SHORTS, OPENS OR GROUNDS.
9. CAMERA STATIONS MOUNTING: USE APPROPRIATE FASTENERS AND SUPPORTS TO MOUNT CAMERA STATION HOUSINGS WITH THE BUILDING STRUCTURES SO THAT THEY ARE SECURED.
   a. CEILING MOUNTED CAMERA STATION HOUSINGS MUST NOT BE SUPPORTED DIRECTLY FROM CEILINGS, SUPPORT CAMERA STATIONS HOUSING FROM STRUCTURAL MEMBERS FROM ABOVE THE CEILING USING HANGER RODS OR APPROVED METHODS.
10. PROVIDE A NAME PLATE AT EACH CAMERA STATION, INDICATE CAMERA STATION NUMBER.
11. PROVIDE TAMPER PROOF HARDWARE IN AREAS WHERE SECURITY EQUIPMENT, PULL BOXES, HOUSING AND RACEWAY SYSTEM ARE EXPOSED.
12. CAMERA STATION AIMING:
   a. LOCATE AND AIM CAMERA STATIONS IN ROOMS (OR AREAS) WHERE MULTIPLE CAMERA STATIONS ARE SHOWN SO THAT THE ENTIRE ROOM/AREA IS COMPLETELY COVERED BY THE CAMERA STATIONS.
   b. IN ROOMS WHERE A SINGLE CAMERA STATION IS SHOWN, LOCATE AND AIM CAMERA STATION TO PROVIDE AS MUCH SURVEILLANCE OF THE ROOM AS POSSIBLE WITHIN THE FIELD OF VIEW LIMITS OF THE CAMERA STATION LENS.
   c. PRIOR TO INSTALLATION, CONFIRM APPROPRIATE PLACEMENT OF EACH INTERIOR/EXTERIOR CAMERA STATION.
13. UPDATE PANELBOARD SCHEDULES FOR ALL EQUIPMENT ADDED, REMOVED, ABANDONED AND/OR RELOCATED. PROVIDE BLANK SPACES AS REQUIRED. UPDATE DIRECTORY CARD IN TYPE WRITTEN FORM FOR ALL EQUIPMENT.
14. RESTORE PAVEMENTS, WALK CURBS AND OTHER EXTERIOR SURFACES DAMAGED DURING PERFORMANCE OF THE WORK TO MATCH THE APPEARANCE AND PERFORMANCE OF EXISTING CORRESPONDING SURFACES AS CLOSELY AS PRACTICAL. TOPSOIL AND SEED OR SOD TO DAMAGED LAWN AREAS.
15. PROVIDE 5 FEET OF SLACK IN ALL CONDUCTORS IN EACH PULL BOX TO ALLOW FOR EXPANSION AND CONTRACTION OF THE CONDUIT SYSTEM.
16. CLEAR ALL CONDUITS OF ALL OBSTRUCTIONS TO PERMIT THE INSTALLATION OF THE FIBER OPTIC CABLES. A 3-3/4" DISC TYPE MANDREL WITH A 4" BRUSH ON BOTH ENDS WILL BE REQUIRED TO BE PULLED THROUGH ALL COMPLETED CONDUIT RUNS. AFTER THE MANDREL, INSTALL A NYLON FISH LINE FOR THE FUTURE CABLE PULLING. PLUG OR CAP THE CONDUITS.
17. INTERCOM SUBSTATION WIRING MUST REMAIN SEPARATED FROM DOOR CONTROL AND MONITORING WIRING.
18. PRIOR TO PROGRAMMING A COORDINATED MEETING WITH OGS, AND DIRECTOR'S REPRESENTATIVE IS REQUIRED TO COORDINATE FINAL CAMERA STATION NUMBERING AND LABELS.
19. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR CONNECTIONS BETWEEN EACH CAMERA STATION AND ITS ASSOCIATED SECURITY EQUIPMENT RACK.
21. CONCEAL CONDUITS AND WIRING WITHIN WALLS AND/OR ABOVE CEILING.
22. CAT 6 RUN WILL BE VERIFIED BY THE CONTRACTOR TO NOT EXCEED 300FT. IF SUCH RUN EXISTS CONTACT DIRECTOR'S REPRESENTATIVE IMMEDIATELY.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

SECURITY NOTES

DRAWING NUMBER:

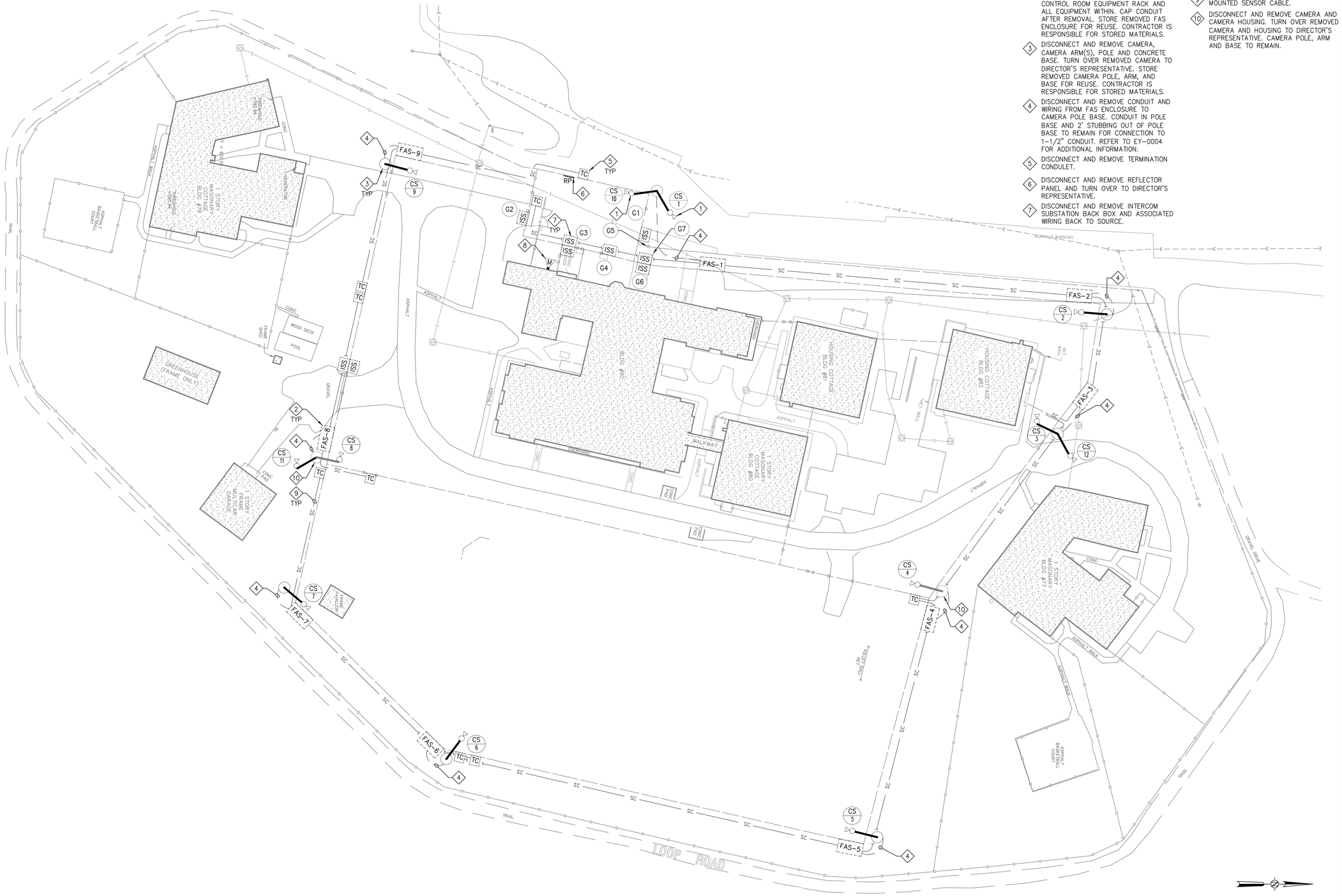
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SHEET OF

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36x24 PLOT SHEET

REMOVAL CODED NOTES

1. DISCONNECT AND REMOVE CAMERA, CAMERA ARM(S) AND HOUSING. TURN OVER REMOVED CAMERA AND HOUSING TO DIRECTOR'S REPRESENTATIVE. CAMERA POLE AND BASE TO REMAIN.
2. DISCONNECT AND REMOVE FENCE ACCESSORY STATION (FAS). REMOVAL INCLUDES WIRING BACK TO BLDG 90 CONTROL ROOM EQUIPMENT RACK AND ALL EQUIPMENT WITHIN. CAP CONDUIT AFTER REMOVAL. STORE REMOVED FAS ENCLOSURE FOR REUSE. CONTRACTOR IS RESPONSIBLE FOR STORED MATERIALS.
3. DISCONNECT AND REMOVE CAMERA, CAMERA ARM(S), POLE AND CONCRETE BASE. TURN OVER REMOVED CAMERA TO DIRECTOR'S REPRESENTATIVE. STORE REMOVED CAMERA POLE, ARM, AND BASE FOR REUSE. CONTRACTOR IS RESPONSIBLE FOR STORED MATERIALS.
4. DISCONNECT AND REMOVE CONDUIT AND WIRING FROM FAS ENCLOSURE TO CAMERA POLE BASE. CONDUIT IN POLE BASE AND 2' STUBBING OUT OF POLE BASE TO REMAIN FOR CONNECTION TO 1-1/2" CONDUIT. REFER TO EY-0004 FOR ADDITIONAL INFORMATION.
5. DISCONNECT AND REMOVE TERMINATION CONDULET.
6. DISCONNECT AND REMOVE REFLECTOR PANEL AND TURN OVER TO DIRECTOR'S REPRESENTATIVE.
7. DISCONNECT AND REMOVE INTERCOM SUBSTATION BACK BOX AND ASSOCIATED WIRING BACK TO SOURCE.
8. DISCONNECT AND REMOVE MICROWAVE TRANSMITTER/RECEIVER AND TURN OVER TO DIRECTOR'S REPRESENTATIVE. REMOVAL INCLUDES WIRING, CONDUIT AND JUNCTION BOXES BACK TO SOURCE.
1. RETAIN ICE AND SNOW DEFLECTOR FOR REUSE.
9. DISCONNECT AND REMOVE FENCE MOUNTED SENSOR CABLE.
10. DISCONNECT AND REMOVE CAMERA AND CAMERA HOUSING. TURN OVER REMOVED CAMERA AND HOUSING TO DIRECTOR'S REPRESENTATIVE. CAMERA POLE, ARM AND BASE TO REMAIN.



SITE SECURITY REMOVALS PLAN
1" = 40'

GRAPHIC SCALE (FEET)
1"=40'
0' 40' 80' 120' 160' 200'

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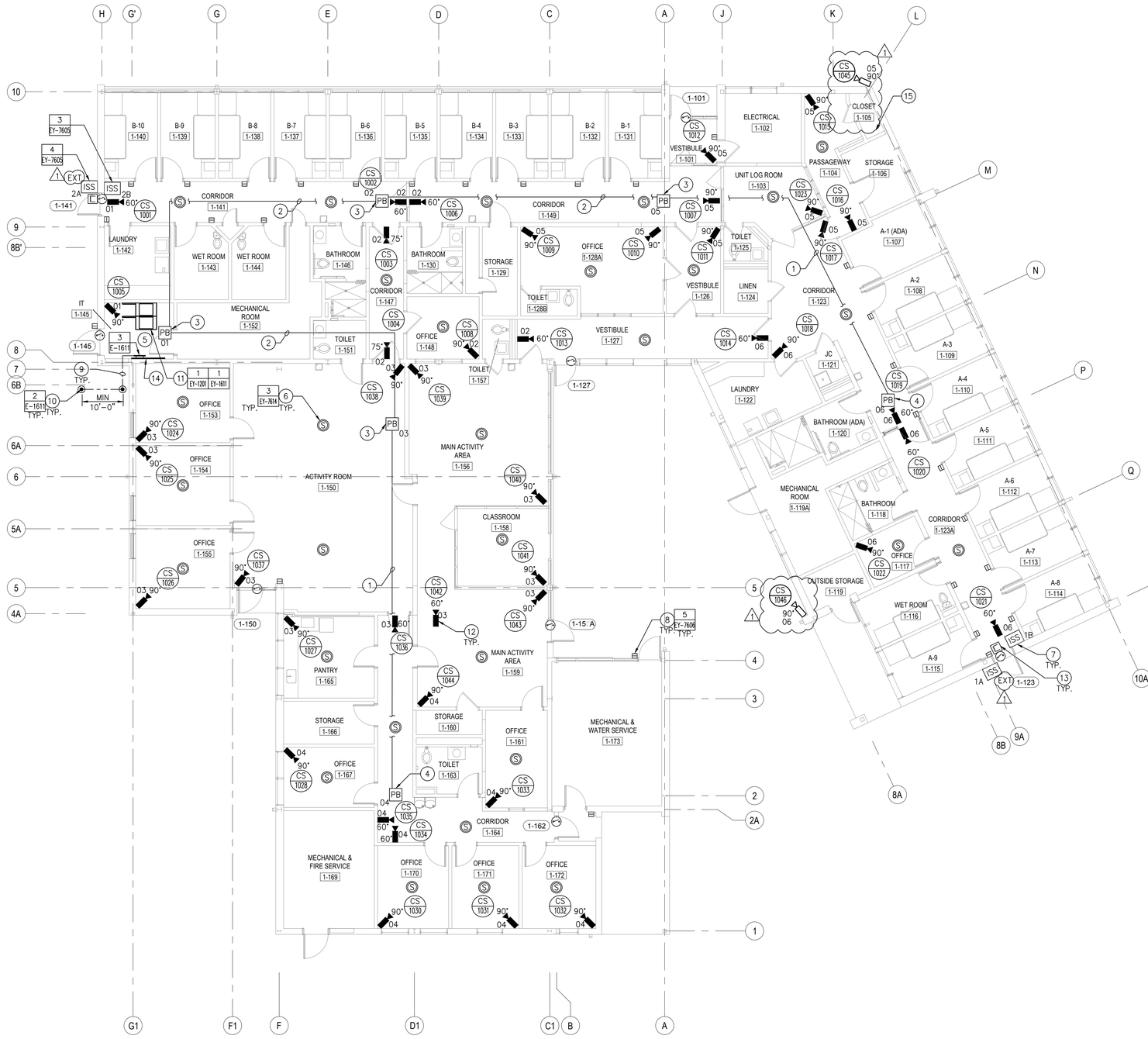
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APPROVED:	

SHEET TITLE:
SITE SECURITY REMOVALS PLAN

DRAWING NUMBER:
EY-0003

SHEET OF



BUILDING 77 SECURITY PLAN
1/8" = 1'

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE (1) 2" CONDUIT WITH CAMERA STATION WIRING.
2. PROVIDE (1) 3" CONDUIT WITH CAMERA STATION WIRING.
3. PROVIDE PROVIDE 24"x24"x12" PULL BOX.
4. PROVIDE PROVIDE 18"x18"x8" PULL BOX.
5. PROVIDE 1 1/4" CONDUIT WITH SECURITY FIBER TO EXISTING UNDERGROUND CONDUIT INFRASTRUCTURE TO ROUTE FIBER TO BUILDING 90. REFER TO BUILDING 77 CCTV RISER DIAGRAM, AND INTERCOM AND PUBLIC ADDRESS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
6. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 77 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
7. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS AND INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
8. PROVIDE GUARD TOUR SYSTEM CHECK STATION.
9. PROVIDE 3/4"C. w/#16 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
10. PROVIDE GROUND ROD. (1)
11. PROVIDE SECURITY EQUIPMENT RACK, COMPONENTS AND DEVICES.
12. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 77 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
13. ELECTRIC DOOR LOCKING HARDWARE WITH DOOR LATCH MONITORING AND DOOR POSITION MONITORING PROVIDED BY CONSTRUCTION CONTRACTOR. DOOR CONTROLLED AND MONITORED FROM CONTROL ROOM TOUCH SCREEN. REFER TO SECURITY DOOR DETAILS AND BUILDING 77 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
14. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
15. EXISTING UNDERGROUND CONDUIT INFRASTRUCTURE TO BUILDING 80.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

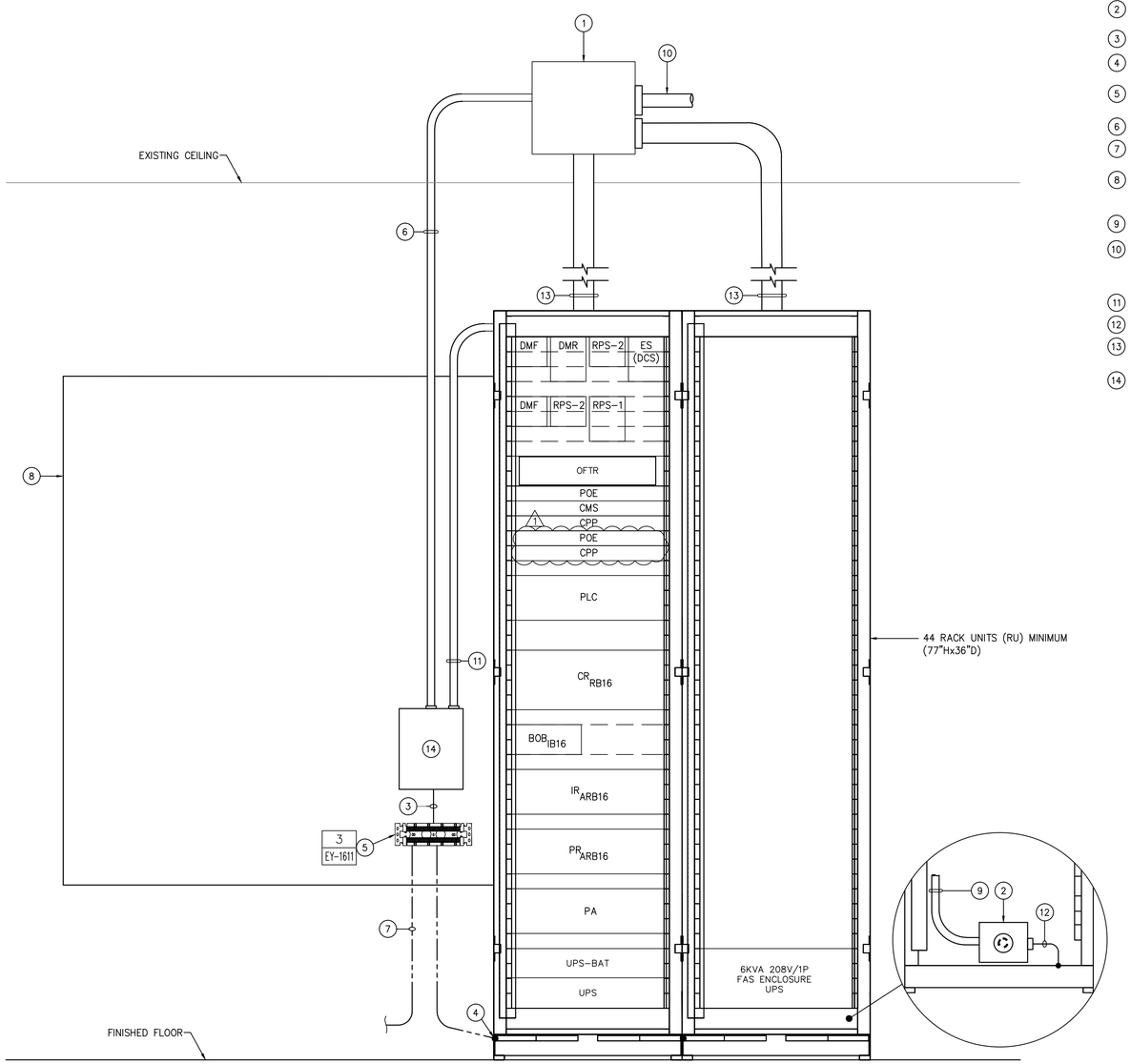
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 SECURITY PLAN

DRAWING NUMBER:
EY-1101

SHEET OF

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36x24 PLOT SHEET



1 SECURITY EQUIPMENT RACK LAYOUT – BLDG. No. 77
– NOT TO SCALE

GENERAL NOTES

1. PATCH AND FIREPROOF ALL CONDUIT PENETRATIONS.
2. TYPICAL EQUIPMENT RACK LAYOUT. REFER TO SECURITY RISER DIAGRAM FOR EXACT QUANTITIES.
3. PROVIDE TAMPER PROOF SCREWS FOR ALL PULL BOXES, WIREWAYS, ETC. LOCATED IN SECURITY EQUIPMENT ROOM. TORX W/PIN REJECT.

CODED NOTES

(1) PROVIDE STEEL PULL BOX ABOVE CEILING.

(2) PROVIDE 120V, 30A CIRCUIT FROM 'PP-2' TO 30A RECEPTACLE IN DOUBLE GANG BOX. INSTALL RECEPTACLE IN SECURITY EQUIPMENT RACK.

(3) PROVIDE 3/4"C. WITH #6 INSULATED COPPER WIRE FOR SURGE SUPPRESSION.

(4) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO EQUIPMENT GROUND CONNECTION AT SECURITY EQUIPMENT RACK.

(5) PROVIDE GROUND BAR. REFER TO GROUND SYSTEM SCHEMATIC DIAGRAM DETAIL FOR ADDITIONAL INFORMATION.

(6) PROVIDE 1-1/2" CONDUIT.

(7) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO (2) 5/8"x10' COPPER CLAD GROUND RODS LOCATED OUTSIDE.

(8) PROVIDE 4'x4'x3/4" BACKBOARD AT MINIMUM, WITH (2) COATS FIRE RETARDANT LATEX PAINT. SIZE BACKBOARD FOR SECURITY EQUIPMENT RACK, POWER SUPPLY AND GROUND BAR.

(9) CONDUIT FOR POWER TO 30A RECEPTACLE.

(10) INSTALL CAMERA STATION WIRING HOME RUN BACK TO SECURITY EQUIPMENT RACK FOR EACH CAMERA STATION WITH CONDUIT, SIZES AS REQUIRED. REFER TO BUILDING 77 SECURITY LAYOUTS AND 'CAMERA MATRIX SCHEDULE' FOR CAMERA STATION WIRING.

(11) PROVIDE 1-1/2" CONDUIT FROM ENCLOSURE TO SECURITY EQUIPMENT RACK.

(12) PROVIDE #6 GREEN INSULATED COPPER BONDING JUMPER.

(13) PROVIDE (1) 4" CONDUIT AND CAMERA STATION WIRING FROM PULL BOX TO SECURITY EQUIPMENT RACK.

(14) PROVIDE 18"x18"x6" HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION.

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 77 SECURITY EQUIPMENT RACK LAYOUT

DRAWING NUMBER:

EY-1201

SHEET OF

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36x24 PLOT SHEET

1 BUILDING 77 CCTV CABLE SCHEDULE

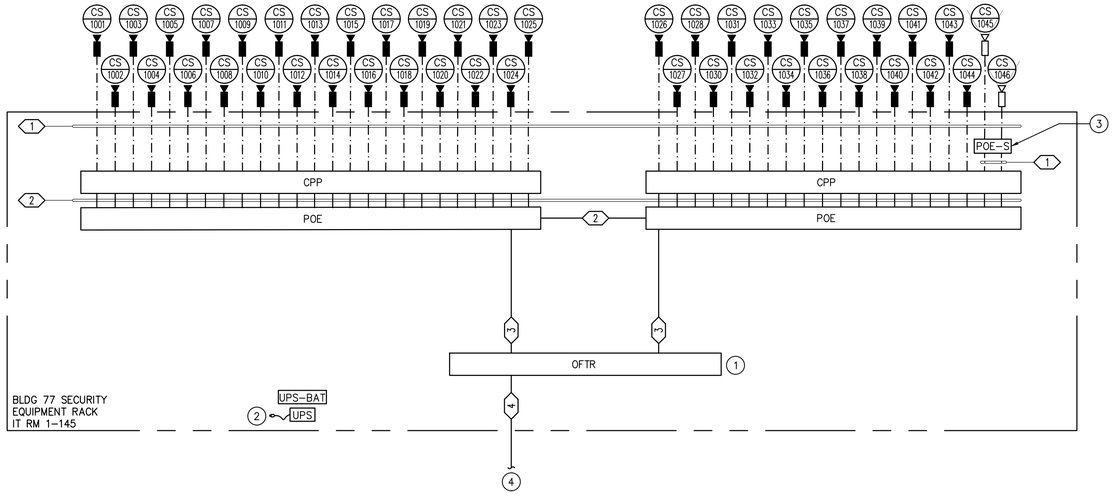
1	CAT 6 CABLE.
2	CAT 6 JUMPER CABLE.
3	SINGLE-MODE FIBER JUMPER CABLE
4	12 STRAND SINGLE-MODE FIBER OPTIC CABLE (TERMINATE/TEST ALL).

GENERAL NOTES

1. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE 12 PORT OPTICAL FIBER PATCH PANEL (OFTR).
2. EQUIPMENT TO BE POWERED FROM RACK RECEPTACLE.
3. PROVIDE CAT 6 POE SURGE PROTECTOR LOCATED IN ENCLOSURE ON BACKBOARD.
4. SINGLE-MODE FIBER OPTIC CABLE TO EXISTING 12-STRAND SINGLE-MODE FIBER.



1 BUILDING 77 CCTV SYSTEM RISER DIAGRAM

1 NOT TO SCALE

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CONTRACT:

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TITLE:

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LOCATION:

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375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

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MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

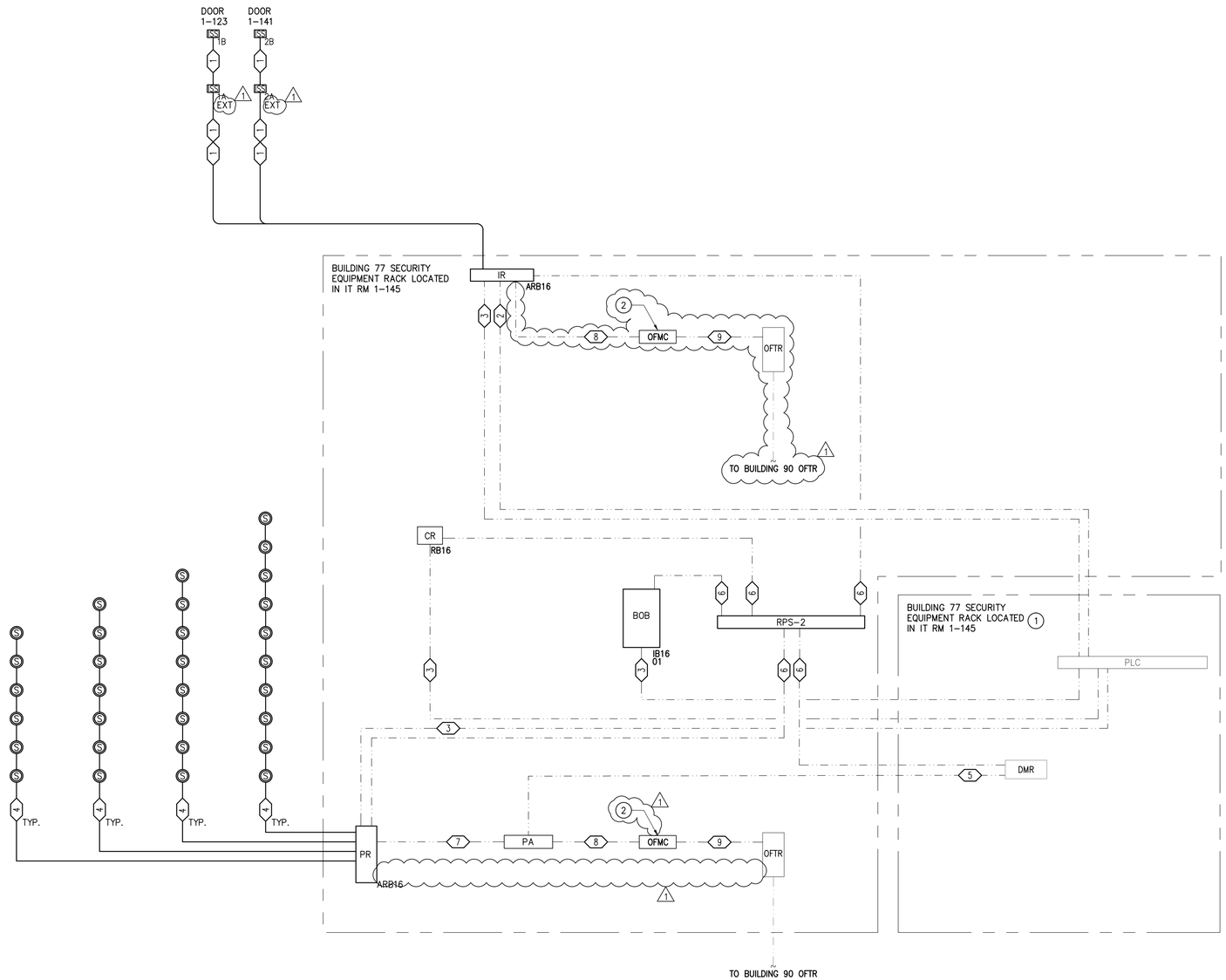
BUILDING 77 CCTV SYSTEM RISER DIAGRAM

DRAWING NUMBER:

EY-1501

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36x24 PLOT SHEET



1 BUILDING 77 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
- NOT TO SCALE

GENERAL NOTES

1. REFER TO BUILDING 77 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 77 DOOR CONTROL AND INTERCOM SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO BUILDING 77 DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTE

1. REFER TO BUILDING 77 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONNECTOR (OFMC) ON BACK OF SECURITY EQUIPMENT RACK. (1)

BUILDING 77 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE

1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
5	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
8	PROVIDE (2) CONDUCTOR #18 AWG.
9	SINGLE MODE FIBER JUMPER CABLE.

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CONTRACT:
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TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-1502

SHEET OF

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BUILDING 77 DOOR CONTROL CABLE SCHEDULE

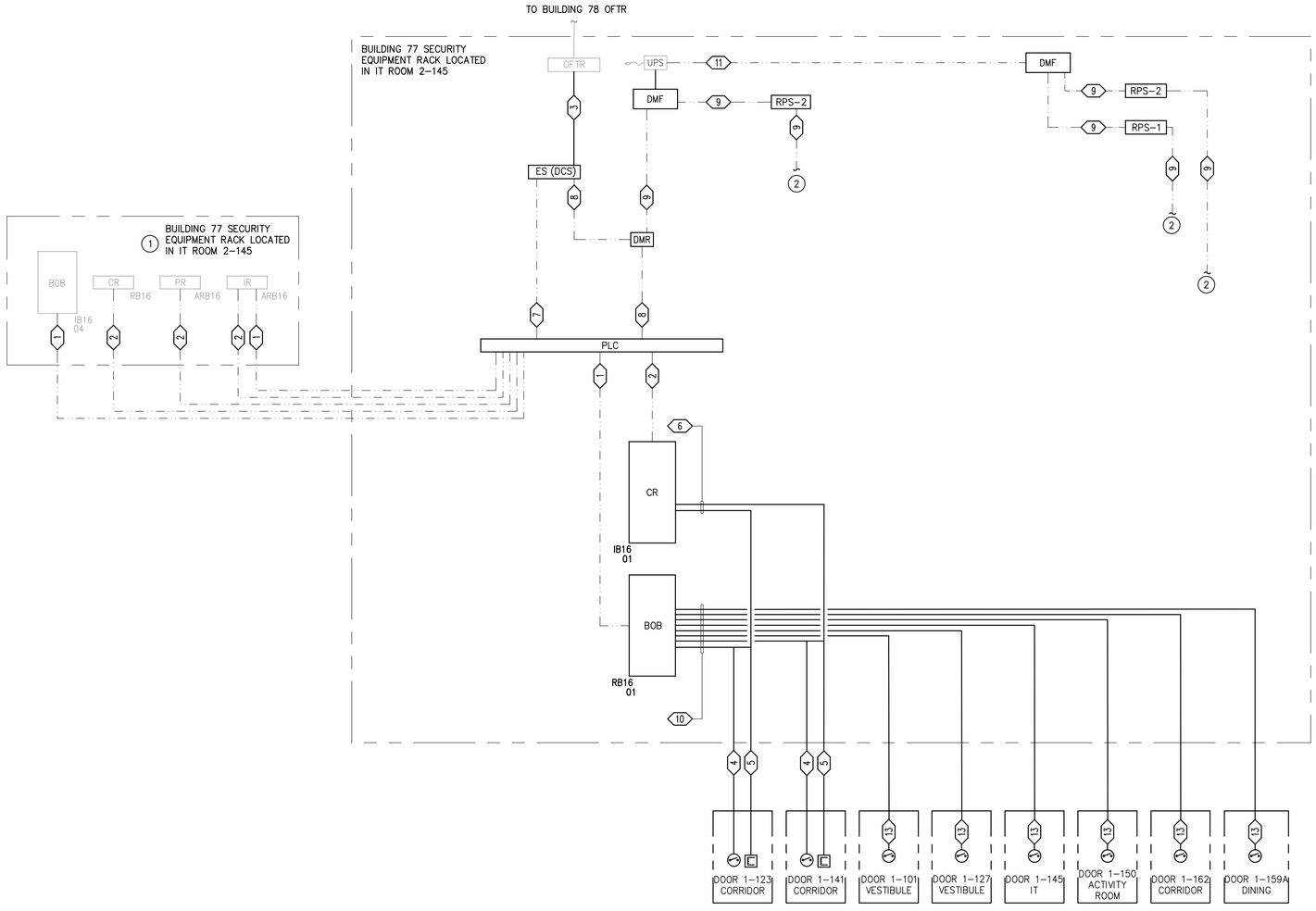
1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	SINGLE – MODE FIBER JUMPER CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG.
5	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
6	PROVIDE (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	MANUFACTURER SUPPLIED AND INSTALLED (2) #12 AWG, #12G.

GENERAL NOTES

1. REFER TO BUILDING 77 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 77 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 77 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.



1 BUILDING 77 DOOR CONTROL SYSTEM RISER DIAGRAM
– NOT TO SCALE

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DESIGN & CONSTRUCTION

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**
PROJECT NUMBER:	45679 – E	
DESIGNED BY:	DAS	
DRAWN BY:	AKA	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:

BUILDING 77 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:

EY–1503

SHEET OF

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36x24 PLOT SHEET

BUILDING 77 CAMERA MATRIX SCHEDULE

CAMERA NUMBER	CAMERA CABLE/CONDUIT TYPE AND QUANTITY	CAMERA MOUNT ARM	INTERIOR/ EXTERIOR	CAMERA MOUNT TYPE	CAMERA PART NUMBER	CAMERA TYPE	CAMERA ANGLE	CONSTRUCTION CEILING TYPE	GENERAL NOTES	GRID LOCATION/DESCRIPTION	MOUNTING DETAIL CALLOUT	PULLBOX NUMBER
1001	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-141	2/EY-7601	01
1002	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-141	2/EY-7601	02
1003	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	75°	GYPSUM		CORRIDOR 1-147	2/EY-7601	02
1004	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	75°	GYPSUM		CORRIDOR 1-147	2/EY-7601	02
1005	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		IT 1-145	2/EY-7601	01
1006	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-149	2/EY-7601	02
1007	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-149	2/EY-7601	05
1008	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-148	2/EY-7601	02
1009	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-128A	2/EY-7601	05
1010	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-128A	2/EY-7601	05
1011	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		VESTIBULE 1-126	2/EY-7601	05
1012	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		VESTIBULE 1-101	2/EY-7601	05
1013	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		VESTIBULE 1-127	2/EY-7601	02
1014	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		VESTIBULE 1-127	2/EY-7601	06
1015	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		PASSAGEWAY 1-104	2/EY-7601	05
1016	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		PASSAGEWAY 1-104	2/EY-7601	05
1017	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-123	2/EY-7601	05
1018	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
1019	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
1020	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123A	2/EY-7601	06
1021	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123A	2/EY-7601	06
1022	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	FRPB		OFFICE 1-117	2/EY-7601	06
1023	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		UNIT LOG ROOM 1-103	2/EY-7601	05
1024	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-153	2/EY-7601	03
1025	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-154	2/EY-7601	03
1026	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-155	2/EY-7601	03
1027	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-164	2/EY-7601	03
1028	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-166	2/EY-7601	04
1030	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-169	2/EY-7601	04
1031	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-170	2/EY-7601	04
1032	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-171	2/EY-7601	04
1033	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-160	2/EY-7601	04
1034	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-162	2/EY-7601	04
1035	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-162	2/EY-7601	04
1036	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-163	2/EY-7601	03
1037	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME319-1IS	RECESSED FIXED	90°	GYPSUM		ACTIVITY ROOM 1-150	2/EY-7601	03
1038	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME319-1IS	RECESSED FIXED	90°	GYPSUM		ACTIVITY ROOM 1-150	2/EY-7601	03
1039	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY AREA 1-156	2/EY-7601	03
1040	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY AREA 1-156	2/EY-7601	03
1041	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CLASSROOM 1-158	2/EY-7601	03
1042	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	60°	GYPSUM		MAIN ACTIVITY AREA 1-159	2/EY-7601	03
1043	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY AREA 1-159	2/EY-7601	03
1044	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY AREA 1-159	2/EY-7601	04
1045	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		EXTERIOR	WALL MOUNT DOME W/VARI FOCAL LENS	IME129-1VES	SURFACE FIXED	90°	BRICK		EXTERIOR BLDG WALL	6/EY-7601	05
1046	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		EXTERIOR	WALL MOUNT DOME W/VARI FOCAL LENS	IME129-1VES	SURFACE FIXED	90°	BRICK		EXTERIOR BLDG WALL	6/EY-7601	06

BUILDING 77 DOOR-GATE CONTROLS / INTERCOM / CCTV SYSTEMS SCHEDULE

DOOR-GATE No.	CONTROL/ MONITOR STATION	CONSTRUCTION NOTES	ELECTRICAL NOTES	ASSOCIATED INTERCOM (ISS) Nos.	ASSOCIATED CAMERA STATION (CS) Nos.			CENTRAL CCTV MONITOR DISPLAYED ON
					UPPER LEFT	UPPER RIGHT	LOWER LEFT	
1-123	CONTROL	EXTERIOR	1,C	ISS-1A	CS-0026	-	-	MONITOR X-X THRU SYSTEM MANAGER
		INTERIOR	1,C	ISS-1B	CS-1020	-	-	MONITOR X-X THRU SYSTEM MANAGER
1-141	CONTROL	EXTERIOR	1,C	ISS-2A	CS-0017	CS-0027	-	MONITOR X-X THRU SYSTEM MANAGER
		INTERIOR	1,C	ISS-2B	CS-1002	-	-	MONITOR X-X THRU SYSTEM MANAGER

NOTES:

1. UNLESS INDICATED OTHERWISE ALL INDOOR INTERCOM SUBSTATIONS ARE SURFACE MOUNTED 54" AFG. PROVIDE SURFACE MOUNTED BACKBOX AND SUBSTATION.

2. RE-AIM CAMERA FOR CAMERA CALL-UP AND FOR ORIGINAL INTENDED VIEWING.

3. NOTE 'M' INDICATES MONITORED ONLY. NOTE 'C' INDICATES MONITORED AND CONTROLLED. NOTE 'MM' INDICATES DOUBLE DOOR BEING MONITORED. NOTE 'CC' INDICATES DOUBLE DOOR BEING MONITORED AND CONTROLLED.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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III Winners Circle, PO Box 5269 - Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

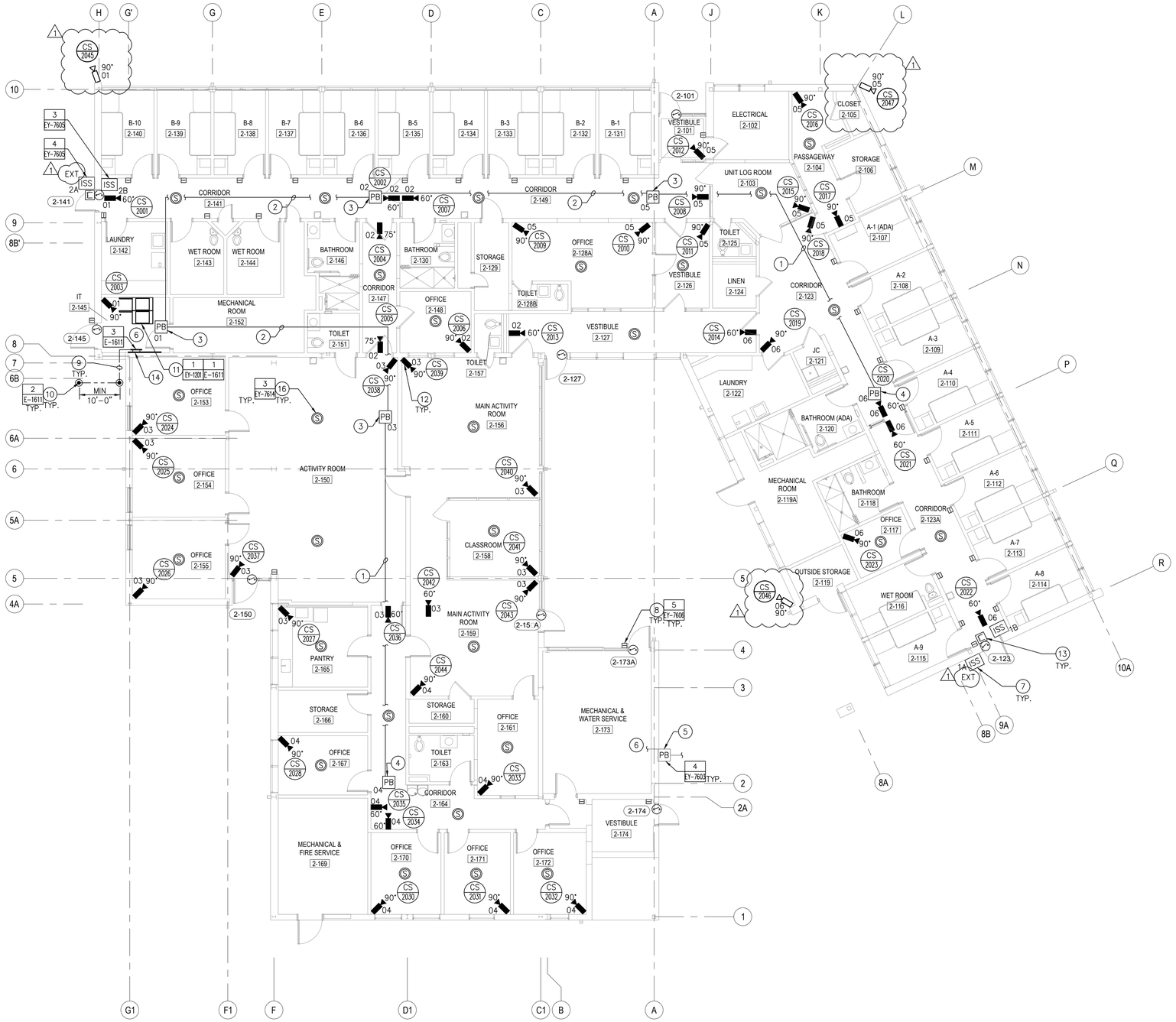
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 77 SECURITY SCHEDULES

DRAWING NUMBER:
EY-1701

SHEET OF

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BUILDING 78 SECURITY PLAN
1/8" = 1'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE (1) 2" CONDUIT WITH CAMERA STATION WIRING.
2. PROVIDE (1) 3" CONDUIT WITH CAMERA STATION WIRING.
3. PROVIDE PROVIDE 24"x24"x12" PULL BOX.
4. PROVIDE PROVIDE 18"x18"x8" PULL BOX.
5. EXISTING (2) 4" CONDUITS EACH WITH (3) 1-1/2" INNER DUCTS AND PULL ROPE. UTILIZE SPARE INNER DUCT TO ROUTE SECURITY FIBER TO BUILDING 90 SECURITY HEAD-END ROOM. REFER TO ENLARGED SITE PLAN FOR ADDITIONAL INFORMATION.
6. PROVIDE 1 1/4" CONDUIT WITH SECURITY FIBER TO OFTR LOCATED IN SECURITY EQUIPMENT RACK LOCATED IN IT ROOM 2-145. REFER TO BUILDING 78 CCTV SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
7. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS AND INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
8. PROVIDE GUARD TOUR SYSTEM CHECK STATION.
9. PROVIDE 3/4"C. w/1#6 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
10. PROVIDE GROUND ROD.
11. PROVIDE SECURITY EQUIPMENT RACK, COMPONENTS AND DEVICES.
12. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 78 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
13. ELECTRIC DOOR LOCKING HARDWARE WITH DOOR LATCH MONITORING AND DOOR POSITION MONITORING PROVIDED BY CONSTRUCTION CONTRACTOR. DOOR CONTROLLED AND MONITORED FROM CONTROL ROOM TOUCH SCREEN. REFER TO SECURITY DOOR DETAILS AND BUILDING 78 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
14. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
15. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 78 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

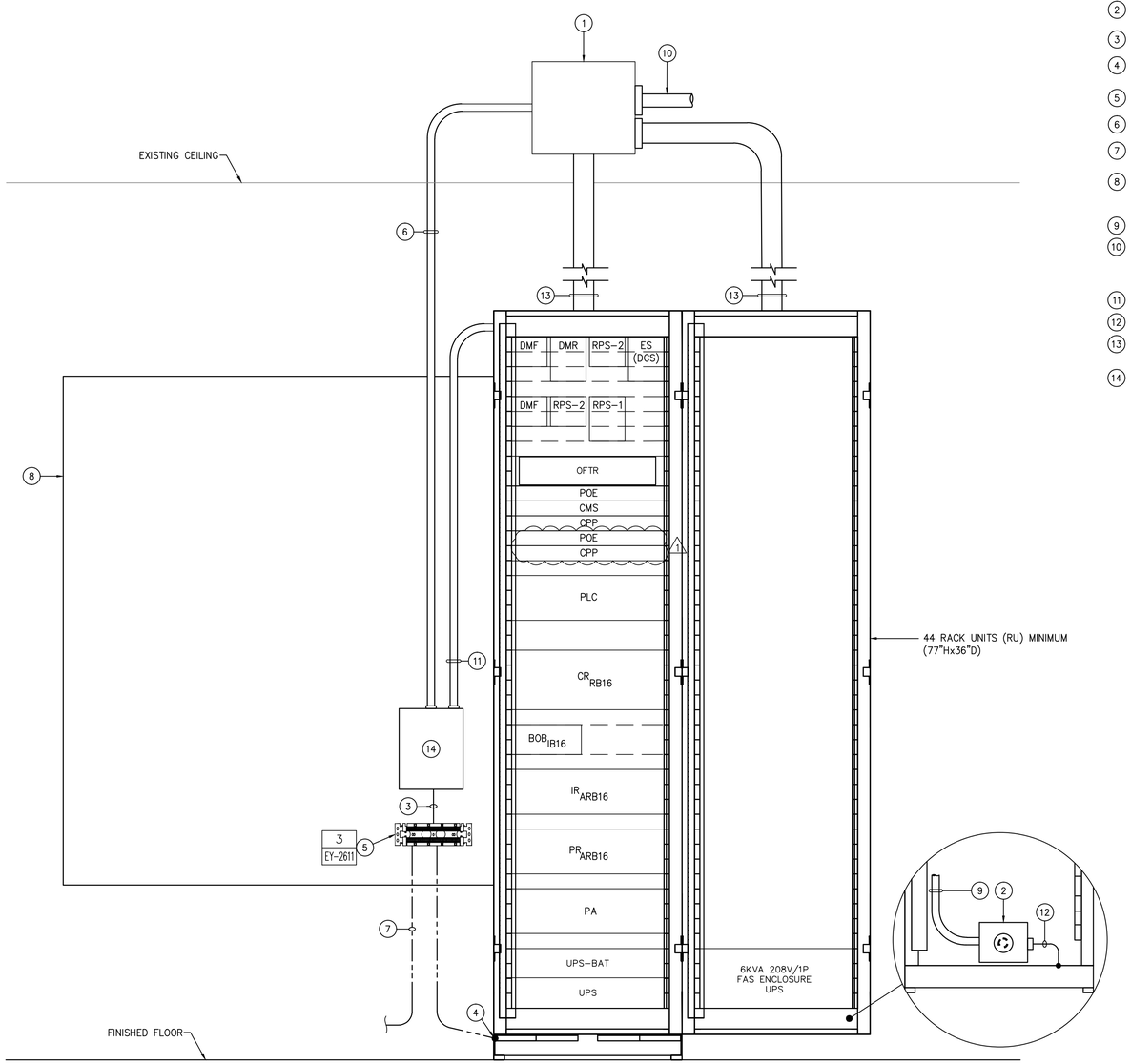
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 SECURITY PLAN

DRAWING NUMBER:
EY-2101

SHEET OF

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1 SECURITY EQUIPMENT RACK LAYOUT – BLDG. No. 78

– NOT TO SCALE

GENERAL NOTES

1. PATCH AND FIREPROOF ALL CONDUIT PENETRATIONS.
2. TYPICAL EQUIPMENT RACK LAYOUT. REFER TO SECURITY RISER DIAGRAM FOR EXACT QUANTITIES.
3. PROVIDE TAMPER PROOF SCREWS FOR ALL PULL BOXES, WIREWAYS, ETC. LOCATED IN SECURITY EQUIPMENT ROOM. TORX W/PIN REJECT.

CODED NOTES

1. PROVIDE STEEL PULL BOX ABOVE CEILING.
2. PROVIDE 120V, 30A CIRCUIT FROM 'PP-2' TO 30A RECEPTACLE IN DOUBLE GANG BOX. INSTALL RECEPTACLE IN SECURITY EQUIPMENT RACK.
3. PROVIDE 3/4"C. WITH #6 INSULATED COPPER WIRE FOR SURGE SUPPRESSION.
4. PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO EQUIPMENT GROUND CONNECTION AT SECURITY EQUIPMENT RACK.
5. PROVIDE GROUND BAR. REFER TO GROUND SYSTEM SCHEMATIC DIAGRAM DETAIL FOR ADDITIONAL INFORMATION.
6. PROVIDE 1-1/2" CONDUIT.
7. PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO (2) 5/8"x10' COPPER CLAD GROUND RODS LOCATED OUTSIDE.
8. PROVIDE 4'x4'x3/4" BACKBOARD AT MINIMUM, WITH (2) COATS FIRE RETARDANT LATEX PAINT. SIZE BACKBOARD FOR SECURITY EQUIPMENT RACK, POWER SUPPLY AND GROUND BAR.
9. CONDUIT FOR POWER TO 30A RECEPTACLE.
10. INSTALL CAMERA STATION WIRING HOME RUN BACK TO SECURITY EQUIPMENT RACK FOR EACH CAMERA STATION WITH CONDUIT, SIZES AS REQUIRED. REFER TO BUILDING 78 SECURITY LAYOUTS AND 'CAMERA MATRIX SCHEDULE' FOR CAMERA STATION WIRING.
11. PROVIDE 1-1/2" CONDUIT FROM ENCLOSURE TO SECURITY EQUIPMENT RACK.
12. PROVIDE #6 GREEN INSULATED COPPER BONDING JUMPER.
13. PROVIDE (1) 4" CONDUIT AND CAMERA STATION WIRING FROM PULL BOX TO SECURITY EQUIPMENT RACK.
14. PROVIDE 18"x18"x6" HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION.

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 SECURITY EQUIPMENT RACK LAYOUT

DRAWING NUMBER:
EY-2201

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BUILDING 78 CCTV CABLE SCHEDULE

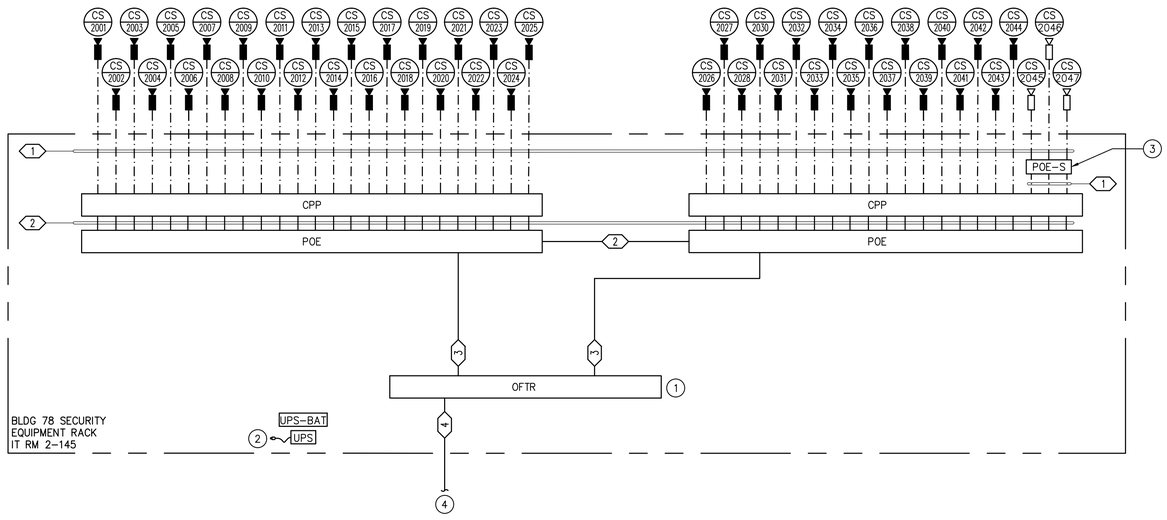
1	CAT 6 CABLE.
2	CAT 6 JUMPER CABLE.
3	SINGLE-MODE FIBER JUMPER CABLE
4	12 STRAND SINGLE-MODE FIBER OPTIC CABLE (TERMINATE/TEST ALL).

GENERAL NOTES

1. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE 12 PORT OPTICAL FIBER PATCH PANEL (OFTR).
2. EQUIPMENT TO BE POWERED FROM RACK RECEPTACLE.
3. PROVIDE CAT 6 POE SURGE PROTECTOR LOCATED IN ENCLOSURE ON BACKBOARD.
4. SINGLE-MODE FIBER OPTIC CABLE TO EXISTING 12-STRAND SINGLE MODE FIBER.



1 BUILDING 78 CCTV SYSTEM RISER DIAGRAM
- NOT TO SCALE

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

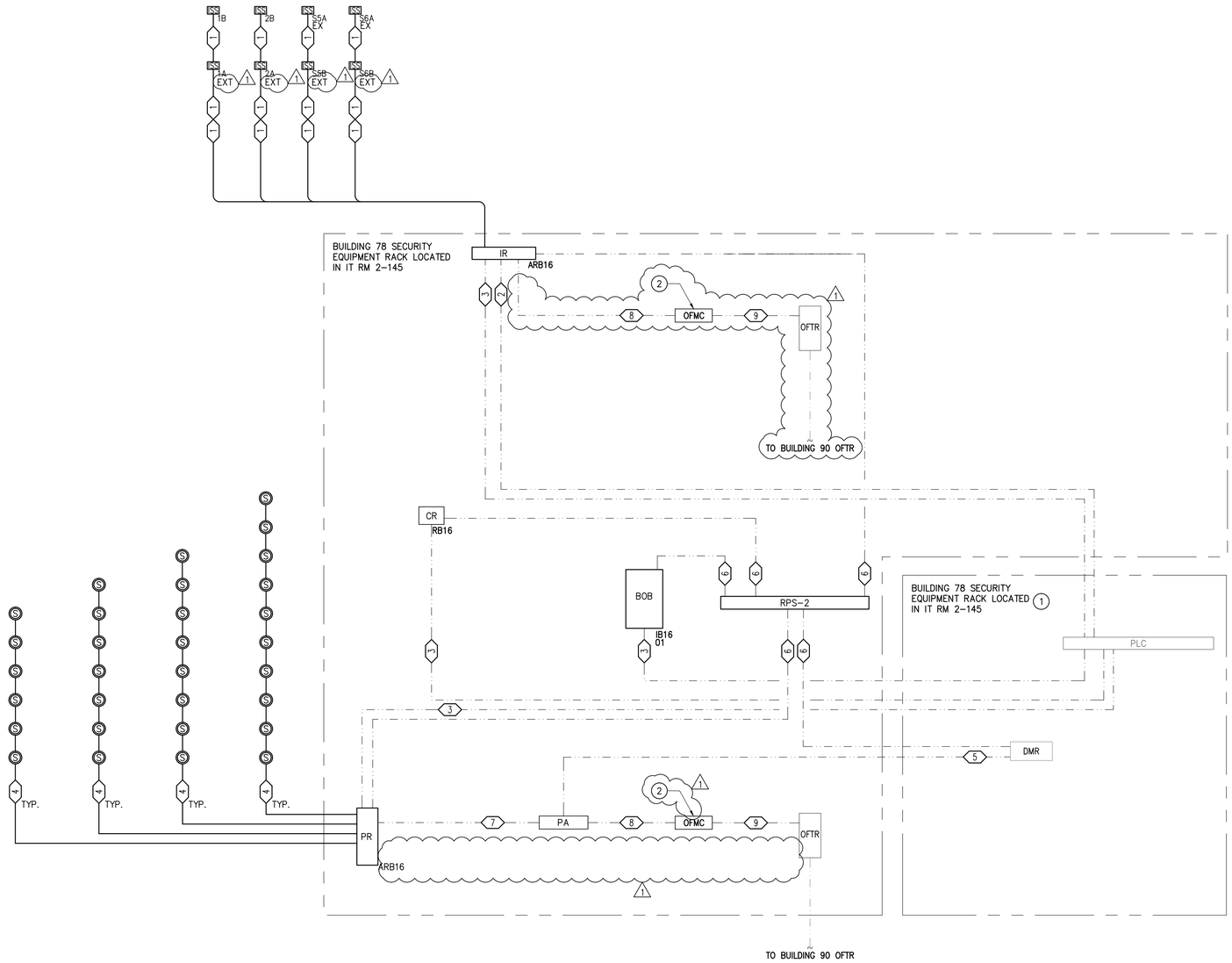
BUILDING 78 CCTV SYSTEM RISER DIAGRAM

DRAWING NUMBER:

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1 BUILDING 78 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
- NOT TO SCALE

GENERAL NOTES

1. REFER TO BUILDING 78 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 78 DOOR CONTROL AND INTERCOM SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO BUILDING 78 DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTE

1. REFER TO BUILDING 78 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONNECTOR (OFMC) ON BACK OF SECURITY EQUIPMENT RACK. (1)

BUILDING 78 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE (1)

1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
5	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
8	PROVIDE (2) CONDUCTOR #18 AWG.
9	SINGLE MODE FIBER JUMPER CABLE.

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DESIGN & CONSTRUCTION

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-2502

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BUILDING 78 DOOR CONTROL CABLE SCHEDULE

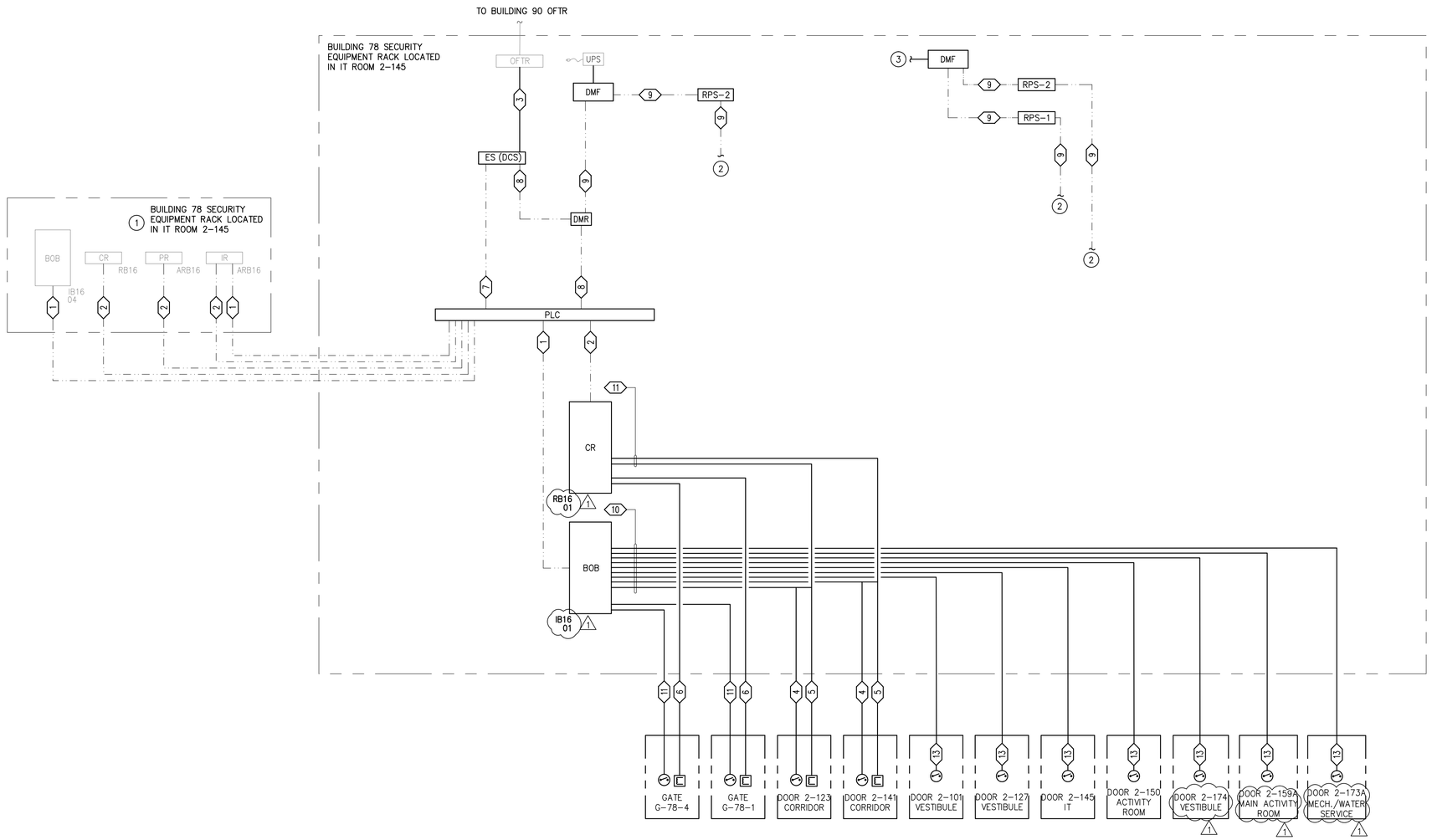
1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	SINGLE – MODE FIBER JUMPER CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG.
5	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
6	PROVIDE (2) CONDUCTOR #12 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	PROVIDE (2) CONDUCTOR #14 AWG.

GENERAL NOTES

1. REFER TO BUILDING 78 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 78 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 78 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.
3. PROVIDE 3/4"C. w/2#12, 1#12G TO PP–3.



1 BUILDING 78 DOOR CONTROL SYSTEM RISER DIAGRAM
– NOT TO SCALE

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DESIGN & CONSTRUCTION

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CONTRACT:

ELECTRICAL

TITLE:

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LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 78 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:

EY–2503

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BUILDING 78 CAMERA MATRIX SCHEDULE

CAMERA NUMBER	CAMERA CABLE/CONDUIT TYPE AND QUANTITY	CAMERA MOUNT ARM	INTERIOR/ EXTERIOR	CAMERA MOUNT TYPE	CAMERA PART NUMBER	CAMERA TYPE	CAMERA ANGLE	CONSTRUCTION CEILING TYPE	GENERAL NOTES	GRID LOCATION/DESCRIPTION	MOUNTING DETAIL CALLOUT	PULLBOX NUMBER
2001	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-141	2/EY-7601	01
2002	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-141	2/EY-7601	02
2003	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		IT 1-145	2/EY-7601	01
2004	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	75°	GYPSUM		CORRIDOR 1-147	2/EY-7601	02
2005	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	75°	GYPSUM		CORRIDOR 1-147	2/EY-7601	02
2006	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-148	2/EY-7601	02
2007	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-149	2/EY-7601	02
2008	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-149	2/EY-7601	05
2009	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 2-128A	2/EY-7601	05
2010	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 2-128A	2/EY-7601	05
2011	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		VESTIBULE 2-126	2/EY-7601	05
2012	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		VESTIBULE 1-101	2/EY-7601	05
2013	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		VESTIBULE 1-127	2/EY-7601	02
2014	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		VESTIBULE 1-127	2/EY-7601	06
2015	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		UNIT LOG ROOM 2-103	2/EY-7601	05
2016	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		PASSAGEWAY 2-104	2/EY-7601	05
2017	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		PASSAGEWAY 2-104	2/EY-7601	05
2018	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-123	2/EY-7601	05
2019	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
2020	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
2021	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
2022	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-123	2/EY-7601	06
2023	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	FRPB		OFFICE 1-117	2/EY-7601	06
2024	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-153	2/EY-7601	03
2025	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-154	2/EY-7601	03
2026	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-155	2/EY-7601	03
2027	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-164	2/EY-7601	03
2028	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-166	2/EY-7601	04
2030	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-169	2/EY-7601	04
2031	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-170	2/EY-7601	04
2032	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-171	2/EY-7601	04
2033	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		OFFICE 1-160	2/EY-7601	04
2034	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-162	2/EY-7601	04
2035	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-162	2/EY-7601	04
2036	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	60°	GYPSUM		CORRIDOR 1-163	2/EY-7601	03
2037	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME319-1IS	RECESSED FIXED	90°	GYPSUM		ACTIVITY ROOM 1-150	2/EY-7601	03
2038	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME319-1IS	RECESSED FIXED	90°	GYPSUM		ACTIVITY ROOM 1-150	2/EY-7601	03
2039	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY ROOM 2-156	2/EY-7601	03
2040	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY ROOM 2-156	2/EY-7601	03
2041	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME129-1IS	RECESSED FIXED	90°	GYPSUM		KITCHEN 1-157	2/EY-7601	03
2042	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	60°	GYPSUM		MAIN ACTIVITY ROOM 2-159	2/EY-7601	03
2043	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY ROOM 2-159	2/EY-7601	03
2044	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		INTERIOR	SURFACE MOUNT DOME W/VARI FOCAL LENS	IME219-1IS	RECESSED FIXED	90°	GYPSUM		MAIN ACTIVITY ROOM 2-159	2/EY-7601	04
2045	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		EXTERIOR	WALL MOUNT DOME W/VARI FOCAL LENS	IME129-1VES	SURFACE FIXED	90°	BRICK		EXTERIOR BLDG WALL	6/EY-7601	01
2046	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		EXTERIOR	WALL MOUNT DOME W/VARI FOCAL LENS	IME129-1VES	SURFACE FIXED	90°	BRICK		EXTERIOR BLDG WALL	6/EY-7601	06
2047	3/4" RGS CONDUIT WITH (1) CAT 6 CABLE		EXTERIOR	WALL MOUNT DOME W/VARI FOCAL LENS	IME129-1VES	SURFACE FIXED	90°	BRICK		EXTERIOR BLDG WALL	6/EY-7601	05

1

BUILDING 78 DOOR-GATE CONTROLS / INTERCOM / CCTV SYSTEMS SCHEDULE

DOOR-GATE No.	CONTROL/ MONITOR STATION	CONSTRUCTION NOTES	ELECTRICAL NOTES	ASSOCIATED INTERCOM (ISS) Nos.	ASSOCIATED CAMERA STATION (CS) Nos.			CENTRAL CCTV MONITOR DISPLAYED ON
					UPPER LEFT	UPPER RIGHT	LOWER LEFT	
2-123	CONTROL	EXTERIOR	1,C	ISS-1A	CS-0010	–	–	MONITOR X-X THRU SYSTEM MANAGER
		INTERIOR	1,C	ISS-1B	CS-2021	–	–	MONITOR X-X THRU SYSTEM MANAGER
2-141	CONTROL	EXTERIOR	1,C	ISS-2A	CS-0038	–	–	MONITOR X-X THRU SYSTEM MANAGER
		INTERIOR	1,C	ISS-2B	CS-2002	–	–	MONITOR X-X THRU SYSTEM MANAGER

NOTES:

1. UNLESS INDICATED OTHERWISE ALL INDOOR INTERCOM SUBSTATIONS ARE SURFACE MOUNTED 54" AFG. PROVIDE SURFACE MOUNTED BACKBOX AND SUBSTATION.

2. RE-AIM CAMERA FOR CAMERA CALL-UP AND FOR ORIGINAL INTENDED VIEWING.

3. NOTE 'M' INDICATES MONITORED ONLY. NOTE 'C' INDICATES MONITORED AND CONTROLLED. NOTE 'MM' INDICATES DOUBLE DOOR BEING MONITORED. NOTE 'CC' INDICATES DOUBLE DOOR BEING MONITORED AND CONTROLLED.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

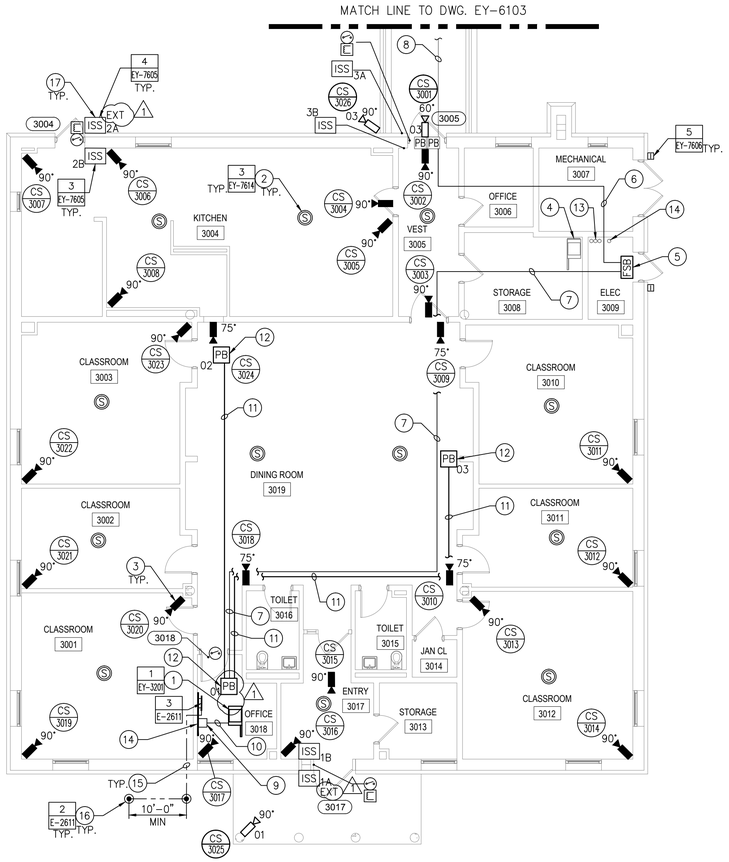
BUILDING 78 SECURITY SCHEDULES

DRAWING NUMBER:

EY-2701

SHEET OF

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BUILDING 80 SECURITY PLAN
1/8" = 1'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT DEVICES. REFER TO BUILDING 80 SECURITY EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION.
2. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 80 INTERCOM AND PUBLIC ADDRESS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
3. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 80 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
4. EXISTING EQUIPMENT RACK TO REMAIN.
5. PROVIDE FIBER SPLICE BOX FOR TERMINATION OF (3) EXISTING 12-STRAND FIBERS TO 48 STRAND FIBER. REFER TO SECURITY FIBER OPTIC BACKBONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
6. ROUTE FIBER FROM BUILDING 77, 81 & 82 ABOVE CEILING TO EXISTING PULL BOX.
7. ROUTE CONDUIT AND FIBER FROM SECURITY EQUIPMENT RACK, ABOVE CEILING TO EXISTING FIBER SPLICE BOX. (1)
8. UTILIZE EXISTING CONDUIT TO ROUTE FIBER FROM BUILDINGS 77, 80, 81 & 82 TO SECURITY EQUIPMENT RACK HEAD END IN BUILDING 90. REFER TO BUILDING 80 CCTV SYSTEM RISER DIAGRAM AND BUILDING 80 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR FINAL FIBER TERMINATION POINT.
9. PROVIDE HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION.
10. PROVIDE CONDUIT AND WIRING.
11. PROVIDE (1) 2-1/2" CONDUIT WITH CAMERA STATION WIRING.
12. PROVIDE 24"x24"x12" PULL BOX.
13. EXISTING UNDERGROUND CONDUIT INFRASTRUCTURE TO BLDG'S 77, 81, AND 82.
14. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
15. PROVIDE 3/4"C. w/#16 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
16. PROVIDE GROUND ROD. (1)
17. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS RISER DIAGRAM FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	DAS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 80 SECURITY PLAN

DRAWING NUMBER:
EY-3102

SHEET OF

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1	BUILDING 80 CCTV CABLE SCHEDULE
1	CAT 6 CABLE.
2	CAT 6 JUMPER CABLE.
3	(2) SINGLE-MODE FIBER JUMPER CABLE.
4	12 STRAND SINGLE-MODE FIBER OPTICS CABLE. (TERMINATE/TEST ALL)

GENERAL NOTES

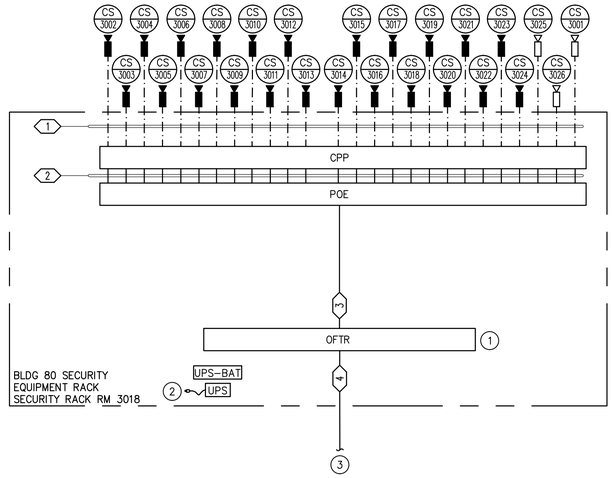
1. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

CODED NOTES

(1) PROVIDE 12 PORT OPTICAL FIBER PATCH PANEL (OFTR).

(2) EQUIPMENT TO BE POWERED FROM RACK POWER SUPPLY.

(3) CONDUIT AND SINGLE-MODE FIBER OPTIC CABLE ROUTED TO FIBER SPLICE BOX LOCATED IN ELEC 3009.



1 BUILDING 80 CCTV SYSTEM RISER DIAGRAM
- NOT TO SCALE

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	08/07/2017	**FINAL SUBMISSION**

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DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 80 CCTV SYSTEM RISER DIAGRAM

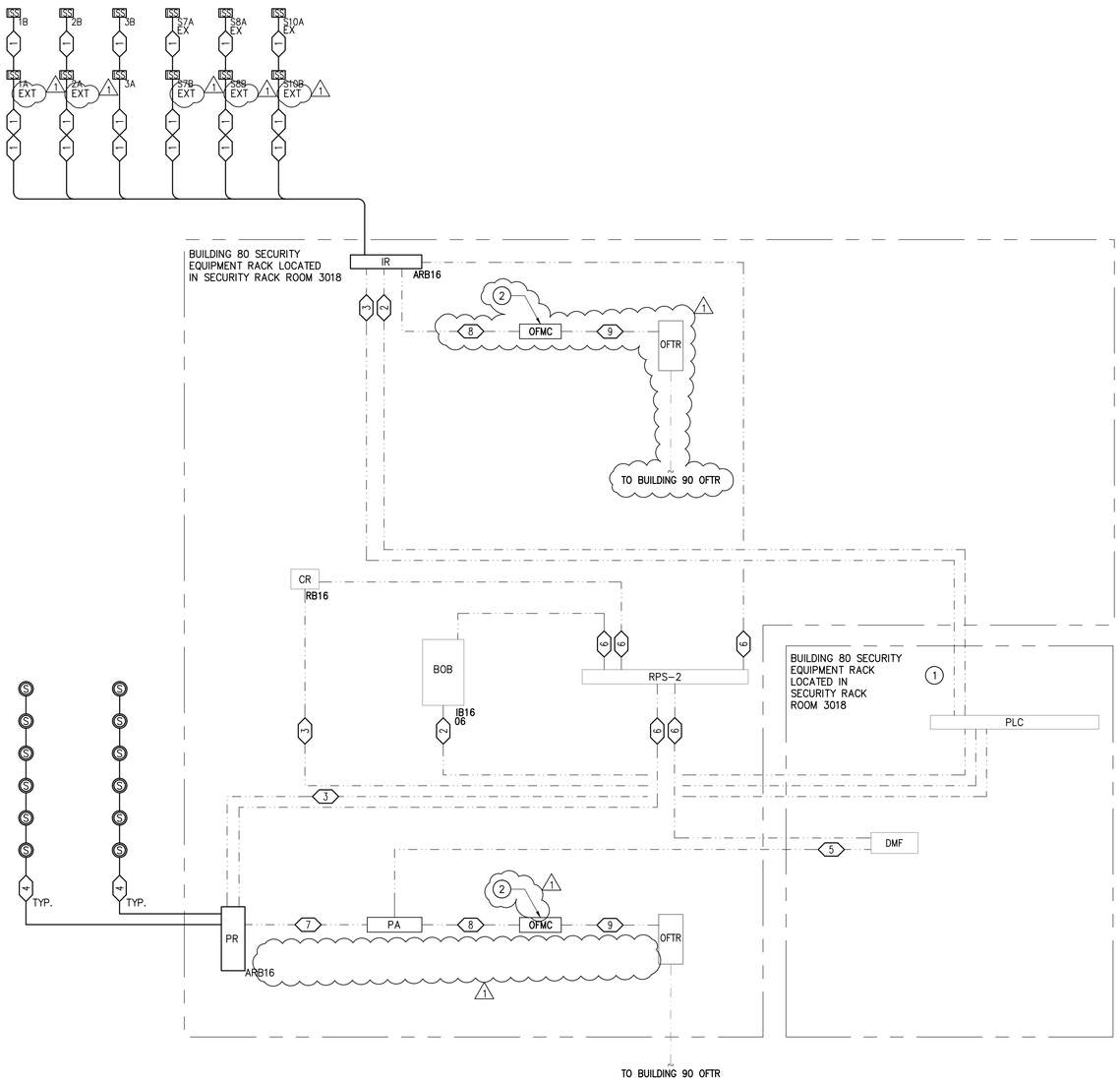
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36x24 PLOT SHEET



GENERAL NOTES

1. REFER TO BUILDING 80 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 80 DOOR CONTROL AND INTERCOM SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTE

1. REFER TO BUILDING 80 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONNECTOR (OFMC) ON BACK OF SECURITY EQUIPMENT RACK.

BUILDING 80 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE

1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
5	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
8	PROVIDE (2) CONDUCTOR #18 AWG.
9	SINGLE MODE FIBER JUMPER CABLE.

1 BUILDING 80 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
- NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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CONTRACT:

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TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 80 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:

EY-3502

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36x24 PLOT SHEET

BUILDING 80 DOOR CONTROL CABLE SCHEDULE

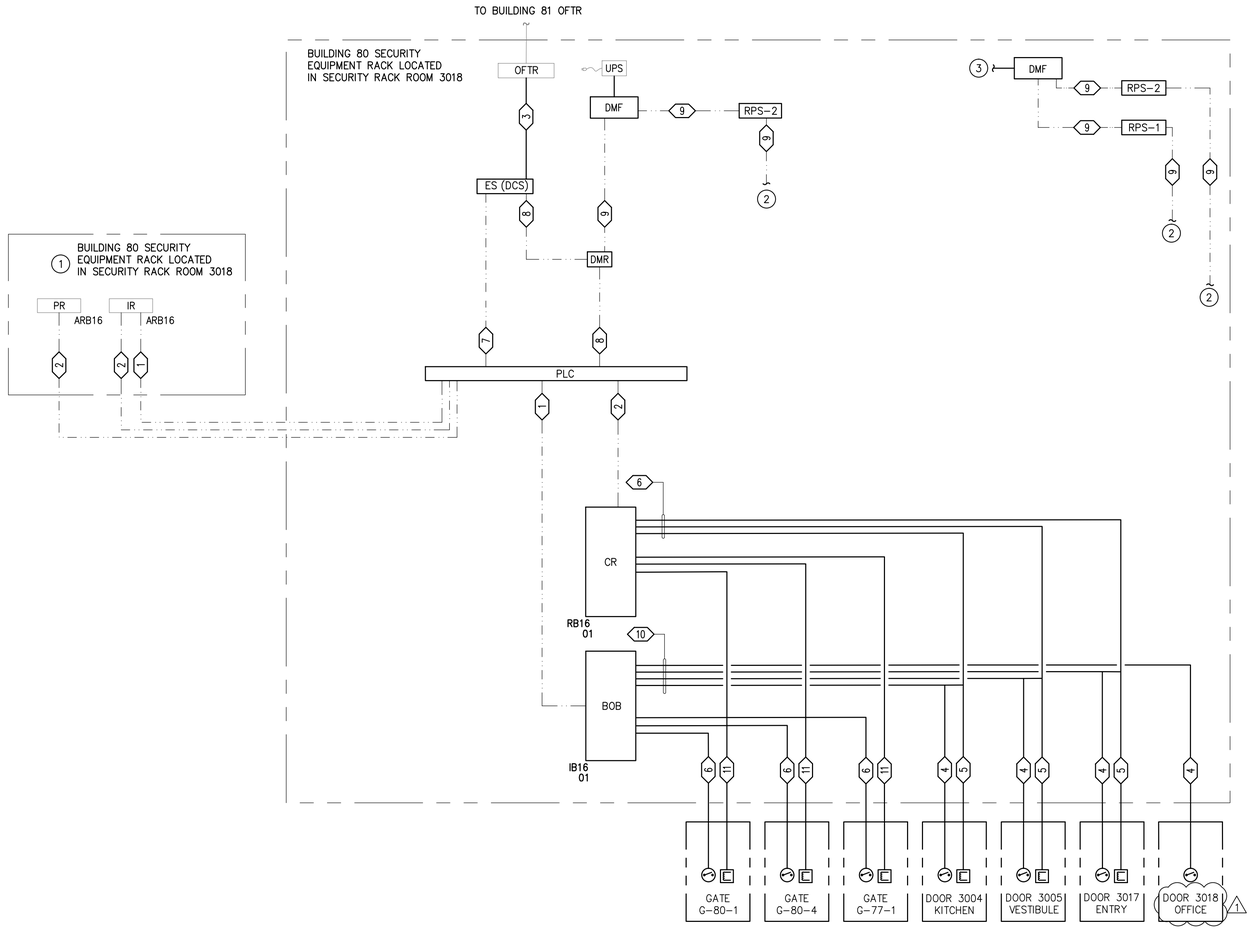
1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	SINGLE – MODE FIBER JUMPER CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG.
5	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
6	PROVIDE (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	PROVIDE (2) CONDUCTOR #12 AWG.

GENERAL NOTES

1. REFER TO BUILDING 80 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 80 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 80 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.
3. PROVIDE 3/4"C. w/2#12, 1#12G TO POWER PANEL PP–1/80, CIRCUIT 14.



1 BUILDING 80 DOOR CONTROL SYSTEM RISER DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

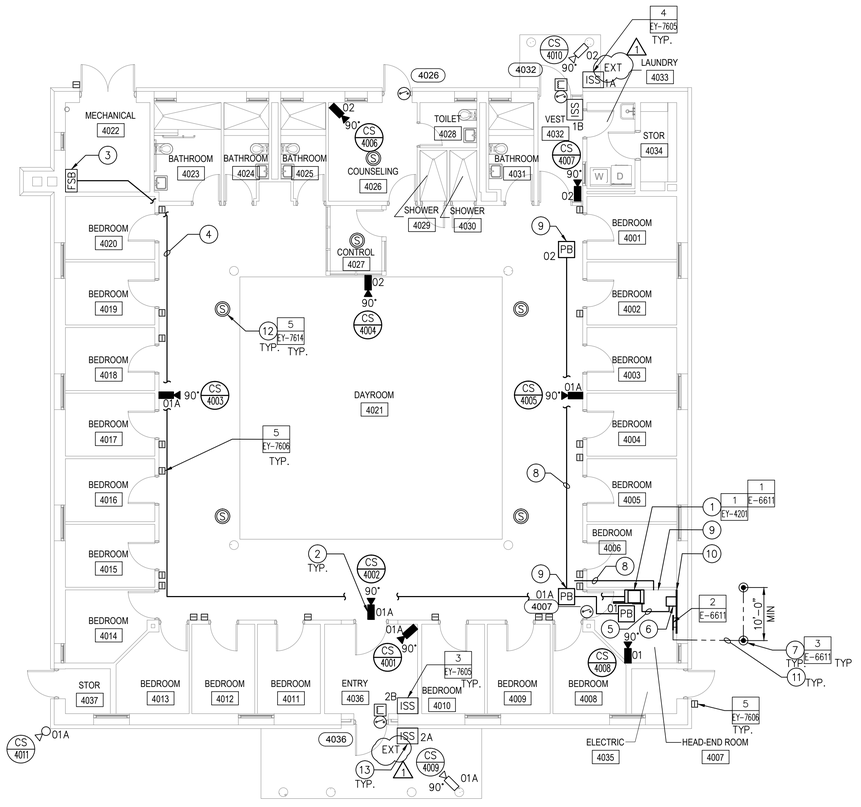
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 80 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY–3503

SHEET OF

File: V:\PROJECTS\ANY\X4\32908\CADD_ACAD\EY-3503-32908.DWG Saved: 9/22/2017 8:16:23 AM Plotted: 9/22/2017 9:20:10 AM Current User: Sumner Jr, David LastSavedBy: 5764
36x24 PLOT SHEET



BUILDING 81 SECURITY PLAN
1/8" = 1'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT DEVICES. REFER TO BUILDING 81 SECURITY EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION.
2. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 81 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
3. PROVIDE FIBER SPLICE BOX FOR TERMINATION OF EXISTING 12-STRAND FIBER TO 12-STRAND FIBER FROM SECURITY EQUIPMENT RACK. REFER TO SECURITY FIBER OPTIC BACKBONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. ROUTE CONDUIT AND FIBER FROM SECURITY EQUIPMENT RACK ABOVE CEILING TO FIBER SPLICE BOX. REFER TO BUILDING 81 CCTV SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. PROVIDE CONDUIT AND WIRING.
6. PROVIDE HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION.
7. PROVIDE GROUND ROD.
8. PROVIDE (1) 2-1/2" CONDUIT WITH CAMERA STATION WIRING.
9. PROVIDE 24"x24"x12" PULL BOX.
10. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
11. PROVIDE 3/4"C. w/#16 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
12. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 81 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
13. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS RISER DIAGRAM FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT: ELECTRICAL

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 81 SECURITY PLAN

DRAWING NUMBER: EY-4102

SHEET OF

File: V:\PROJECTS\ANY\K4\32908\CADD_ACAD\EY-4102_32908.DWG Saved: 9/21/2017 4:58:16 PM Plotted: 9/22/2017 9:35:05 AM Current User: Summer Jr, David LastSavedBy: 3924
36x24 PLOT SHEET

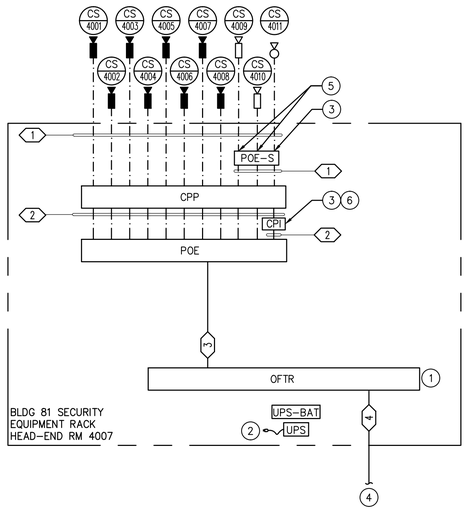
BUILDING 81 CCTV CABLE SCHEDULE	
1	CAT 6 CABLE.
2	CAT 6 JUMPER CABLE.
3	SINGLE-MODE FIBER JUMPER CABLE
4	12 STRAND SINGLE-MODE FIBER OPTIC CABLE (TERMINATE/TEST ALL).

GENERAL NOTES

1. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE 12 PORT OPTICAL FIBER PATCH PANEL (OFTR).
2. EQUIPMENT TO BE POWERED FROM RACK POWER SUPPLY.
3. PROVIDE SURGE PROTECTION, POE INJECTOR AND ENCLOSURE.
4. CONDUIT AND SINGLE-MODE FIBER OPTIC CABLE ROUTED TO FIBER SPLICE BOX LOCATED IN MECHANICAL 4022.
5. PROVIDE SURGE PROTECTION AND ENCLOSURE FOR DEVICES.
6. PROVIDE SHELF IN RACK FOR MOUNTING.



1 BUILDING 81 CCTV SYSTEM RISER DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

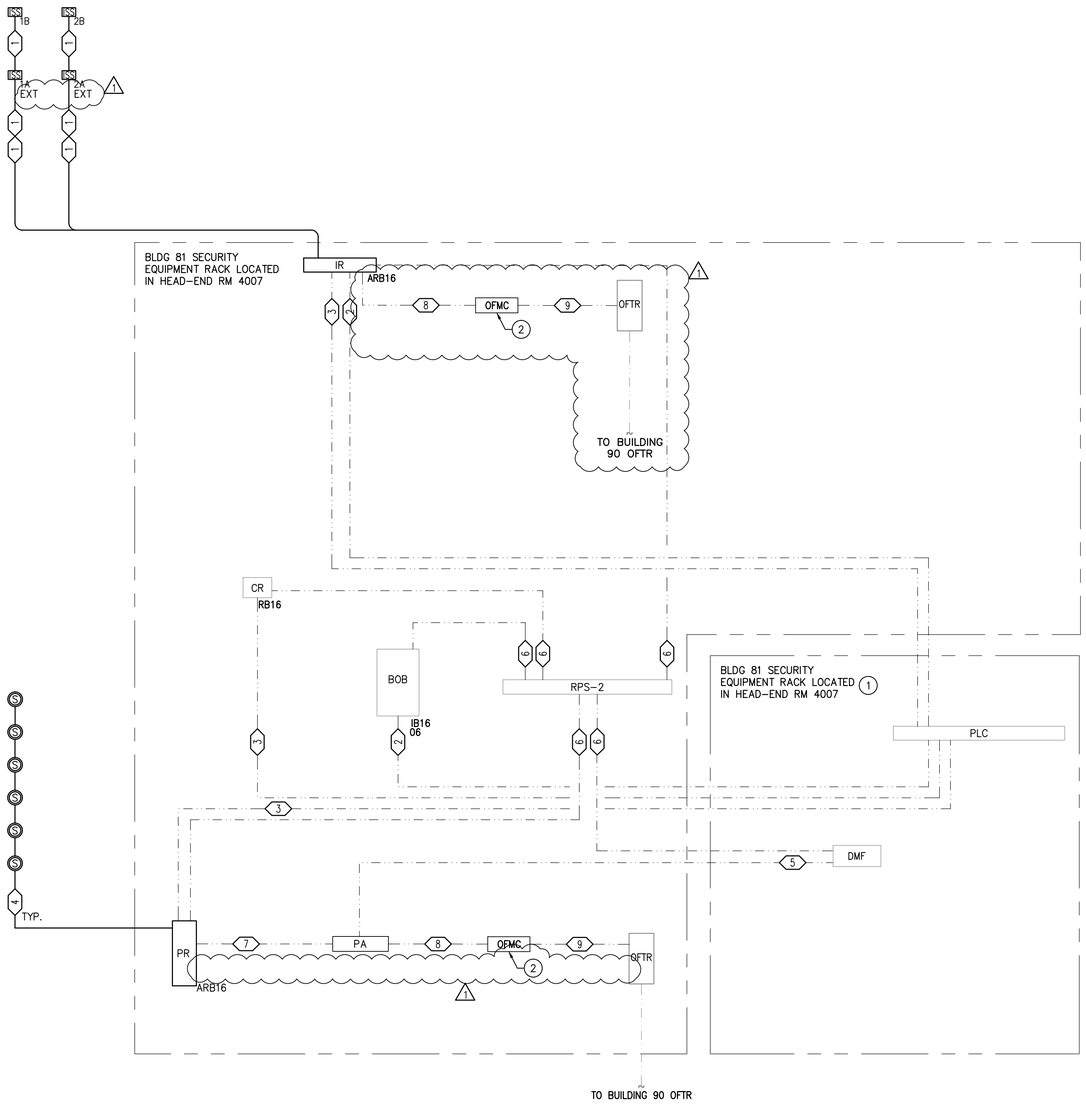
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 81 CCTV SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-4501

SHEET OF

File: V:\PROJECTS\ANY\K4\32908\CADD_ACAD\EY-4501-32908.DWG Saved: 9/21/2017 5:00:25 PM Plotted: 9/22/2017 9:35:10 AM Current User: Sumner Jr, David LastSavedBy: 3924
36x24 PLOT SHEET



GENERAL NOTES

1. REFER TO BUILDING 81 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 81 DOOR CONTROL AND INTERCOM SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTE

1. REFER TO BUILDING 81 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONVERTER (OFMC) ON BACK OF SECURITY EQUIPMENT RACK. 1

BUILDING 81 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE 1

1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
5	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
8	PROVIDE (2) CONDUCTOR #18 AWG.
9	SINGLE MODE FIBER JUMPER CABLE.

1 BUILDING 81 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 81 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-4502

SHEET OF

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36x24 PLOT SHEET

BUILDING 81 DOOR CONTROL CABLE SCHEDULE

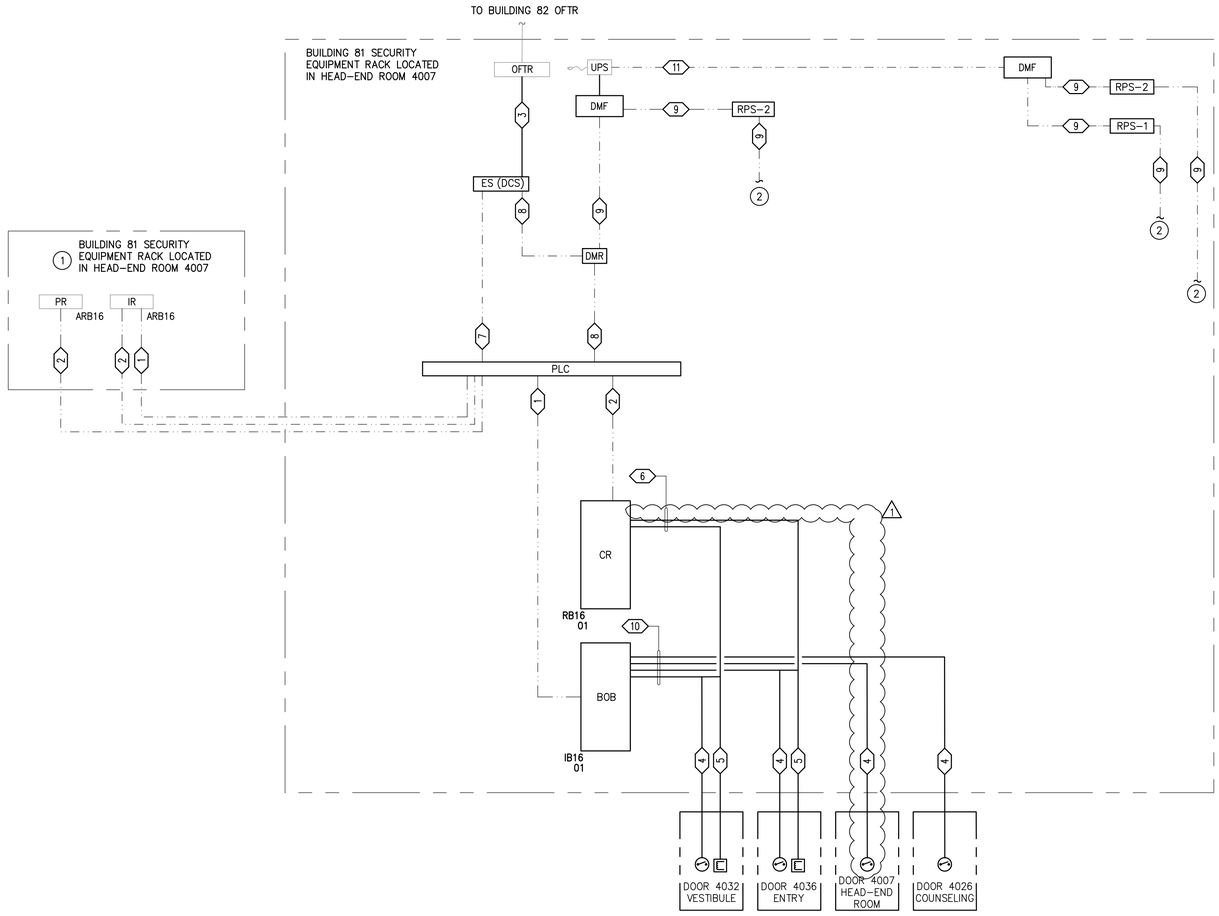
1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	SINGLE – MODE FIBER JUMPER CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG.
5	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
6	PROVIDE (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	MANUFACTURER SUPPLIED AND INSTALLED (2) #12 AWG, #12G.

GENERAL NOTES

1. REFER TO BUILDING 81 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 81 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 81 INTERCOM RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
2. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.



1 BUILDING 81 DOOR CONTROL SYSTEM RISER DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

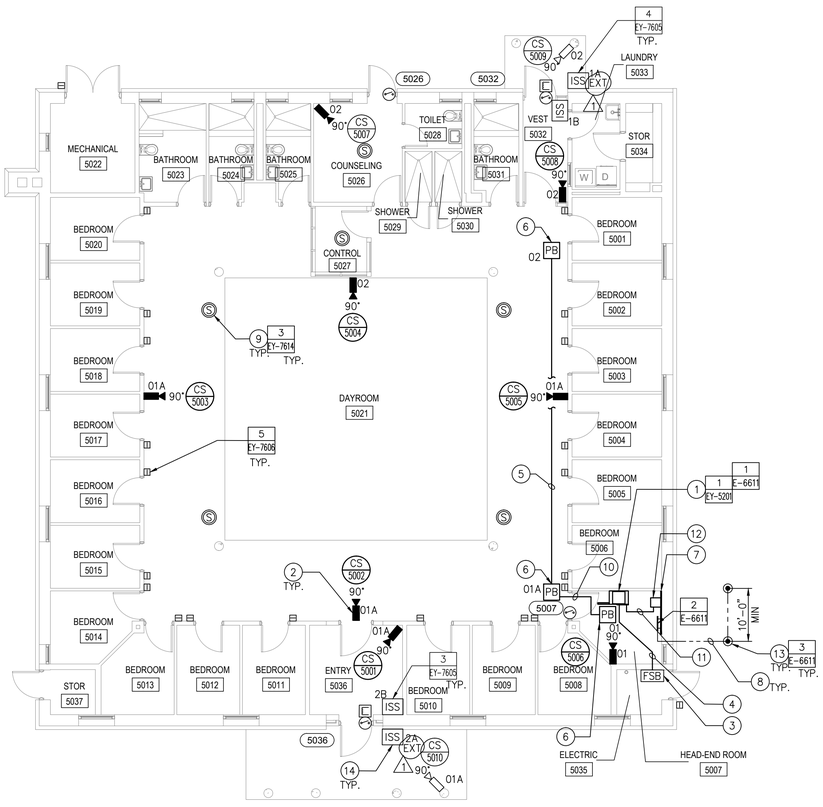
SHEET TITLE:
BUILDING 81 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY–4503

SHEET OF

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36x24 PLOT SHEET

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36x24 PLOT SHEET



BUILDING 82 SECURITY PLAN
1/8" = 1'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

CODED NOTES

1. PROVIDE SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT DEVICES. REFER TO BUILDING 82 SECURITY EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION.
2. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 82 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
3. PROVIDE FIBER SPLICE BOX FOR TERMINATION OF EXISTING 12-STRAND FIBER TO 12-STRAND FIBER FROM SECURITY EQUIPMENT RACK. REFER TO SECURITY FIBER OPTIC BACKBONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. ROUTE CONDUIT AND FIBER FROM SECURITY EQUIPMENT RACK ABOVE CEILING TO FIBER SPLICE BOX. REFER TO BUILDING 82 CCTV SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION. (1)
5. PROVIDE (1) 2-1/2" CONDUIT WITH CAMERA STATION WIRING.
6. PROVIDE 24"x24"x12" PULL BOX.
7. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
8. PROVIDE 3/4"C. w/#16 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
9. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 82 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFMATION.
10. PROVIDE (1) 3" CONDUIT WITH CAMERA STATION WIRING.
11. PROVIDE CONDUIT AND WIRING.
12. PROVIDE HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION.
13. PROVIDE GROUND ROD. (1)
14. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS RISER DIAGRAM FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

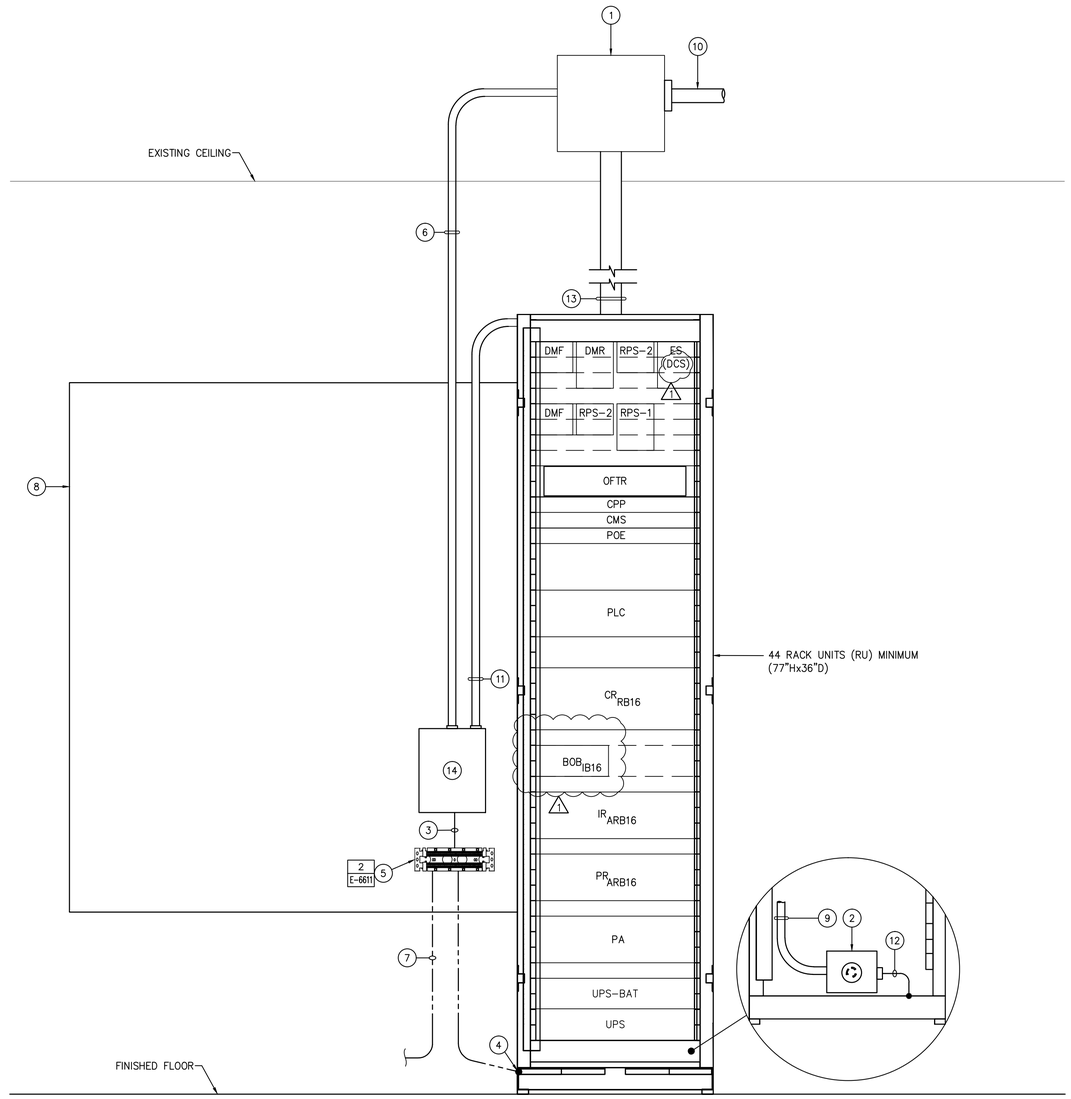
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 82 SECURITY PLAN

DRAWING NUMBER:
EY-5102

SHEET OF



GENERAL NOTES

1. PATCH AND FIREPROOF ALL CONDUIT PENETRATIONS.
2. TYPICAL EQUIPMENT RACK LAYOUT. REFER TO SECURITY RISER DIAGRAM FOR EXACT QUANTITIES.
3. MOUNT PRIMARY RACK EQUIPMENT AT TOP OF RACK. PROVIDE BLANK FILLERS FOR ALL GAPS.
4. PROVIDE TAMPER PROOF SCREWS FOR ALL PULL BOXES, WIREWAYS, ETC. LOCATED IN SECURITY EQUIPMENT ROOM. TORX W/PIN REJECT.

CODED NOTES

(1) PROVIDE STEEL PULL BOX ABOVE CEILING. REFER TO FLOOR PLAN FOR SIZE.

(2) PROVIDE 120V, 30A CIRCUIT FROM 'LP-1/82' IN CIRCUIT '17', TO 30A RECEPTACLE IN DOUBLE GANG BOX. INSTALL RECEPTACLE IN SECURITY EQUIPMENT RACK.

(3) PROVIDE 3/4"C. WITH #6 INSULATED COPPER WIRE FOR SURGE SUPPRESSION.

(4) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO EQUIPMENT GROUND CONNECTION AT SECURITY EQUIPMENT RACK.

(5) PROVIDE GROUND BAR. REFER TO GROUND SYSTEM SCHEMATIC DIAGRAM DETAIL FOR ADDITIONAL INFORMATION.

(6) PROVIDE 1-1/2" CONDUIT.

(7) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO (2) 5/8"x10' COPPER CLAD GROUND RODS LOCATED OUTSIDE.

(8) PROVIDE 4'x4'x3/4" BACKBOARD AT MINIMUM, WITH (2) COATS FIRE RETARDANT LATEX PAINT. SIZE BACKBOARD FOR SECURITY EQUIPMENT RACK, POWER SUPPLY AND GROUND BAR.

(9) PROVIDE 3/4"C. w/2#10, 1#10G. FOR POWER TO 30A RECEPTACLE.

(10) INSTALL CAMERA STATION WIRING HOME RUN BACK TO SECURITY EQUIPMENT RACK FOR EACH CAMERA STATION WITH CONDUIT, SIZE AS REQUIRED. REFER TO BUILDING 82 SECURITY LAYOUTS AND BUILDING 82 CAMERA MATRIX SCHEDULE FOR CAMERA STATION WIRING.

(11) PROVIDE 1-1/2" CONDUIT FROM ENCLOSURE TO SECURITY EQUIPMENT RACK.

(12) PROVIDE #6 GREEN INSULATED COPPER BONDING JUMPER.

(13) PROVIDE (1) 4" CONDUIT AND CAMERA STATION WIRING FROM PULL BOX TO SECURITY EQUIPMENT RACK.

(14) PROVIDE 18"x18"x6" HINGED ENCLOSURE WITH PAD LOCK FOR SURGE SUPPRESSION AND POE INJECTOR.

1 SECURITY EQUIPMENT RACK LAYOUT - BLDG. No. 82
- NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 82 SECURITY EQUIPMENT RACK LAYOUT

DRAWING NUMBER:
EY-5201

SHEET OF

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36x24 PLOT SHEET

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36x24 PLOT SHEET

1

BUILDING 82 CCTV CABLE SCHEDULE	
1	CAT 6 CABLE.
2	CAT 6 JUMPER CABLE.
3	SINGLE-MODE FIBER JUMPER CABLE
4	12 STRAND SINGLE-MODE FIBER OPTIC CABLE (TERMINATE/TEST ALL).

GENERAL NOTES

1. REFER TO SITE PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

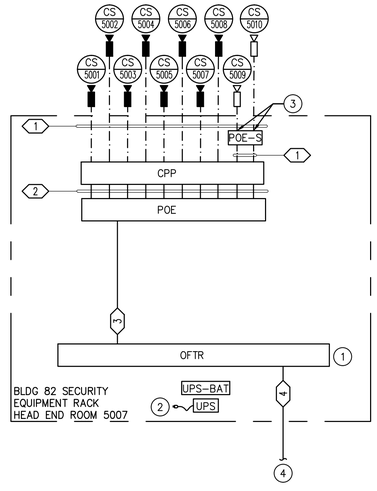
CODED NOTES

(1) PROVIDE 12 PORT OPTICAL FIBER PATCH PANEL (OFTR).

(2) EQUIPMENT TO BE POWERED FROM RACK POWER SUPPLY.

(3) PROVIDE SURGE PROTECTION AND ENCLOSURE FOR DEVICES.

(4) CONDUIT AND SINGLE-MODE FIBER OPTIC CABLE ROUTED TO FIBER SPLICE BOX LOCATED IN MECHANICAL 5022.



1 BUILDING 82 CCTV SYSTEM RISER DIAGRAM

– ~~NOT TO SCALE~~

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

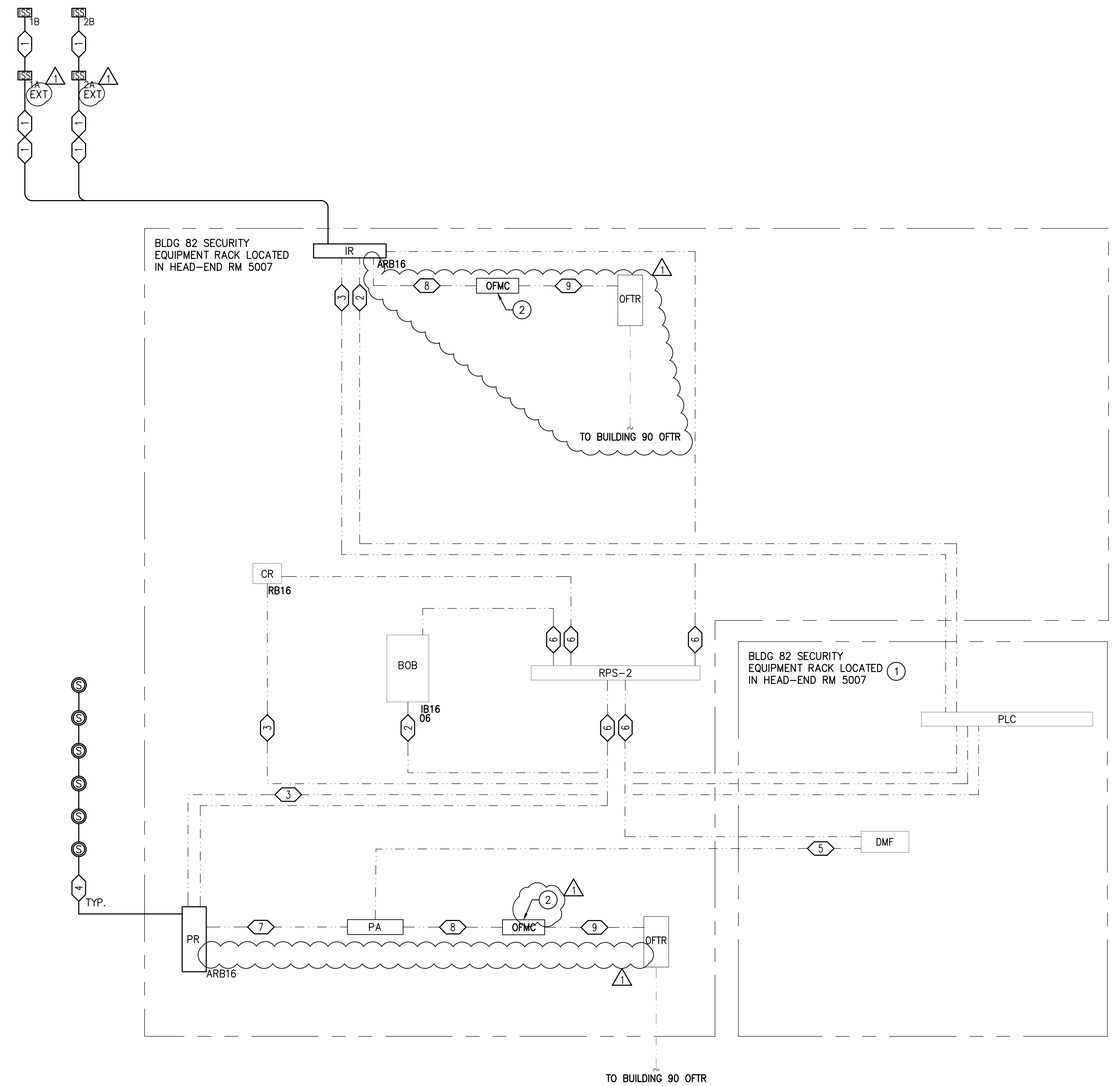
MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 82 CCTV SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-5501

SHEET OF



1 BUILDING 82 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
– NOT TO SCALE

GENERAL NOTES

1. REFER TO BUILDING 82 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 82 DOOR CONTROL, AND INTERCOM AND PUBLIC ADDRESS SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTE

1. REFER TO BUILDING 82 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONVERTER (OFMC) ON BACK OF SECURITY EQUIPMENT RACK.

1	BUILDING 82 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE
1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
5	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
8	PROVIDE (2) CONDUCTOR #18 AWG.
9	SINGLE MODE FIBER JUMPER CABLE.

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 82 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-5502

SHEET OF

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36x24 PLOT SHEET

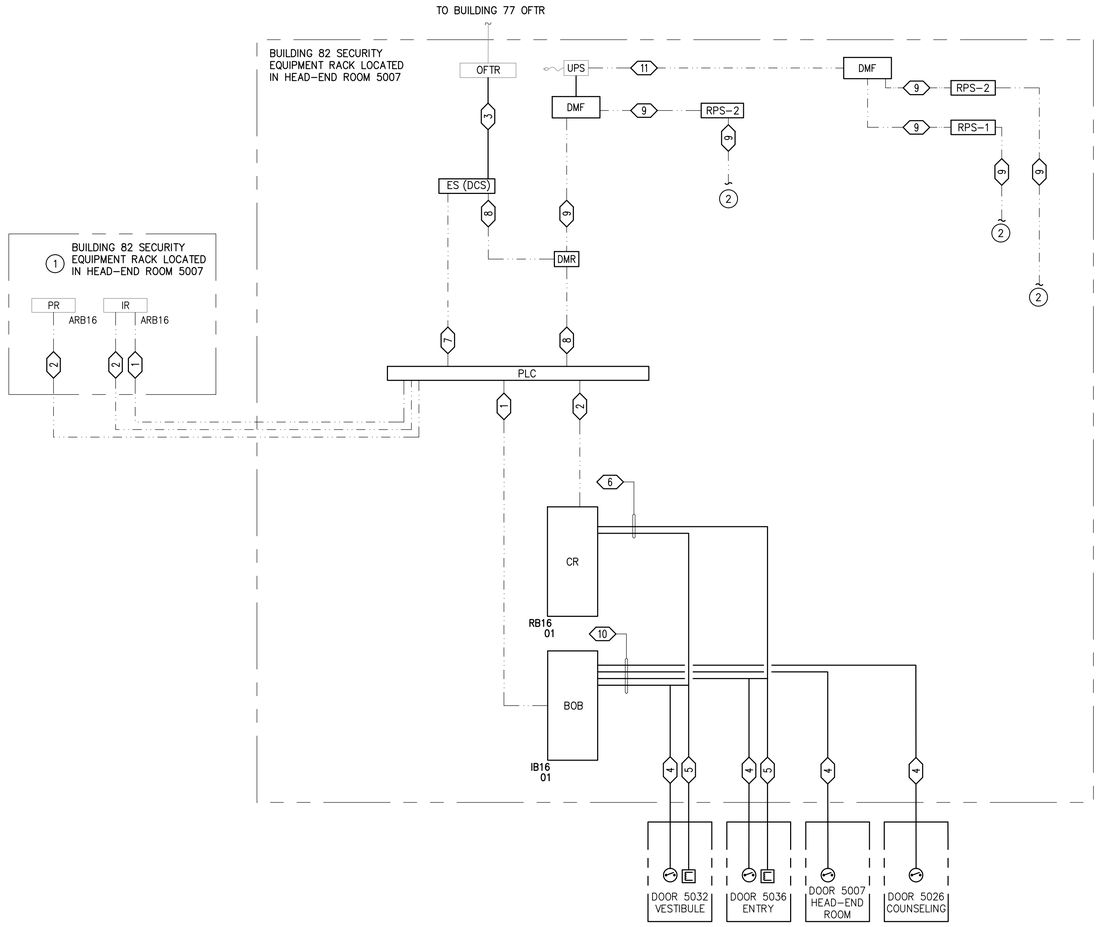
BUILDING 82 DOOR CONTROL CABLE SCHEDULE	
1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	SINGLE – MODE FIBER JUMPER CABLE.
4	PROVIDE (2) CONDUCTOR #16 AWG.
5	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
6	PROVIDE (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	MANUFACTURER SUPPLIED AND INSTALLED (2) #12 AWG, #12G.

GENERAL NOTES

1. REFER TO BUILDING 82 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 82 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 82 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.



1 BUILDING 82 DOOR CONTROL SYSTEM RISER DIAGRAM
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 82 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY–5503

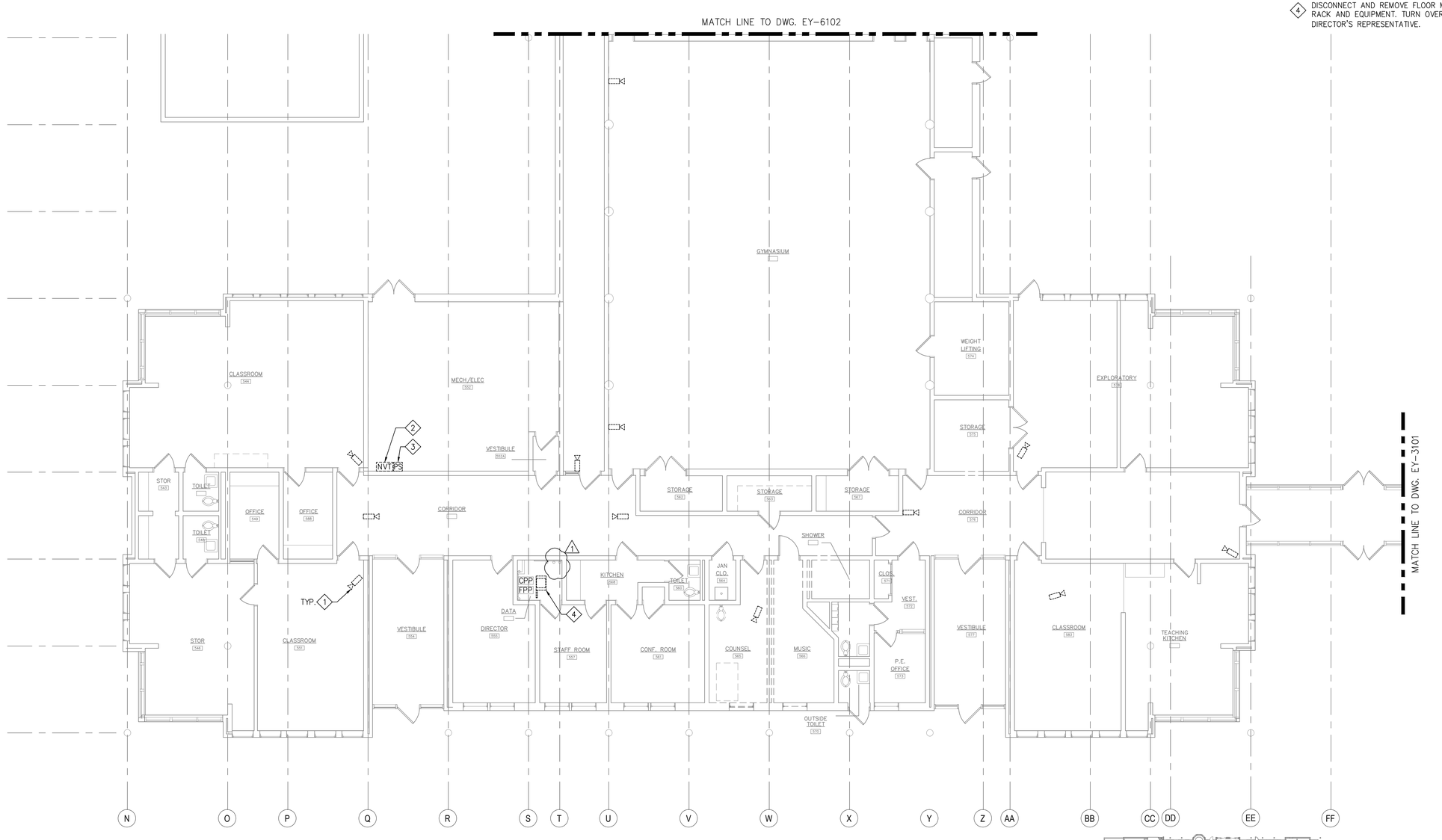
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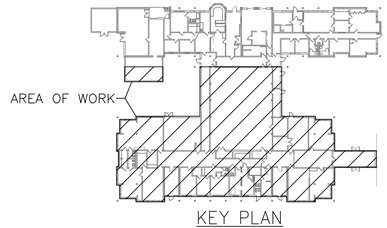
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36x24 PLOT SHEET

REMOVAL CODED NOTES

1. DISCONNECT AND REMOVE CAMERA STATION AND WIRING IN ITS ENTIRETY. REMOVAL TO INCLUDE WIRING BACK TO SOURCE. WIRING BACK TO SOURCE IS FREE AIR ABOVE CEILING. PATCH AND PAINT TO MATCH EXISTING CONDITIONS. TURN OVER REMOVED CAMERA TO DIRECTOR'S REPRESENTATIVE.
2. DISCONNECT AND REMOVE MULTI-CHANNEL PASSIVE TRANSCEIVER AND WIRING IN ITS ENTIRETY. REMOVAL TO INCLUDE WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE CAMERA POWER SUPPLY AND WIRING IN ITS ENTIRETY. REMOVAL TO INCLUDE WIRING BACK TO SOURCE.
4. DISCONNECT AND REMOVE FLOOR MOUNTED RACK AND EQUIPMENT. TURN OVER TO DIRECTOR'S REPRESENTATIVE.



BUILDING 90 SECURITY REMOVALS PLAN
1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

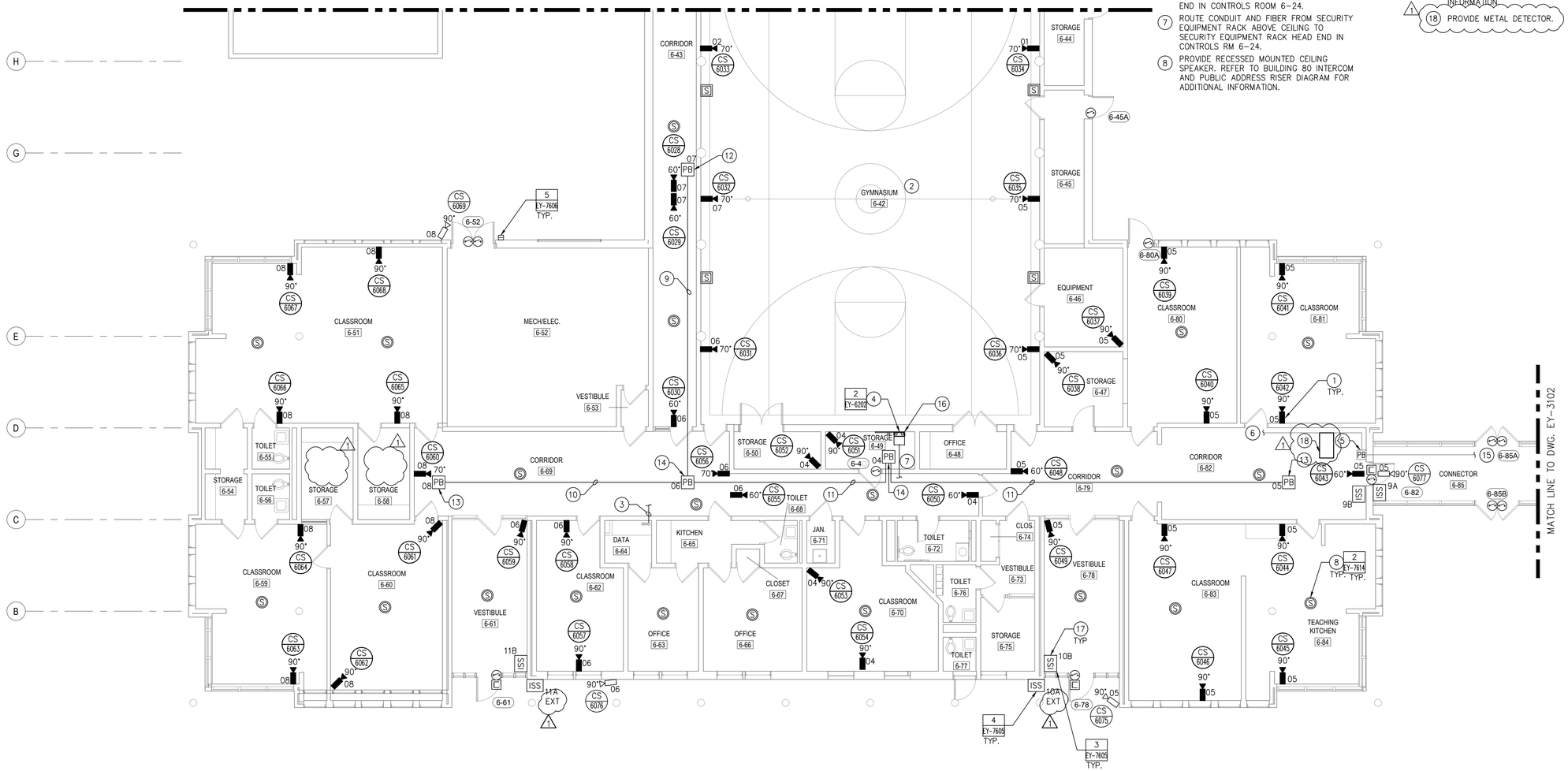
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 SECURITY REMOVALS PLAN

DRAWING NUMBER:
EY-6101

SHEET OF

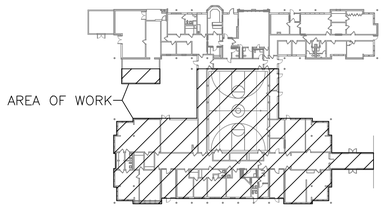
MATCH LINE TO DWG. EY-6104



CODED NOTES

1. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 77 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
2. ALL CAMER STATION WIRING IN GYMNASIUM MUST BE IN RGS CONDUIT.
3. PROVIDE 2" CONDUIT WITH FIBER FROM BUILDINGS 77, 78, 80, 81, AND 82 TO SECURITY EQUIPMENT RACK IN CONTROLS ROOM 6-24 FROM EXISTING CONDUITS BELOW CEILING.
4. PROVIDE WALL MOUNTED SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT DEVICES. REFER TO BUILDING 90 SECURITY EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION.
5. PULL BOX TO REMAIN.
6. UTILIZE EXISTING CONDUIT TO DATA 6-64 TO ROUTE FIBER FROM BUILDINGS 77, 80, 81, AND 82 TO SECURITY EQUIPMENT RACK HEAD END IN CONTROLS ROOM 6-24.
7. ROUTE CONDUIT AND FIBER FROM SECURITY EQUIPMENT RACK ABOVE CEILING TO SECURITY EQUIPMENT RACK HEAD END IN CONTROLS RM 6-24.
8. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 80 INTERCOM AND PUBLIC ADDRESS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
9. PROVIDE (1) 2" CONDUIT WITH CAMERA STATION WIRING.
10. PROVIDE (1) 2-1/2" CONDUIT WITH CAMERA STATION WIRING.
11. PROVIDE (1) 3" CONDUIT WITH CAMERA STATION WIRING.
12. PROVIDE 18"x18"x8" PULL BOX.
13. PROVIDE 24"x24"x12" PULL BOX.
14. PROVIDE 30"x30"x12" PULL BOX.
15. UTILIZE EXISTING CONDUIT FROM PULL BOX IN VESTIBULE 3005 BUILDING 80 TO ROUTE FIBER FROM BUILDINGS 77, 80, 81, AND 82 TO SECURITY EQUIPMENT RACK HEAD END IN CONTROL ROOM 6-24.
16. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
17. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
18. PROVIDE METAL DETECTOR.

BUILDING 90 SECURITY PLAN
1/8" = 1'



KEY PLAN
NOT TO SCALE

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

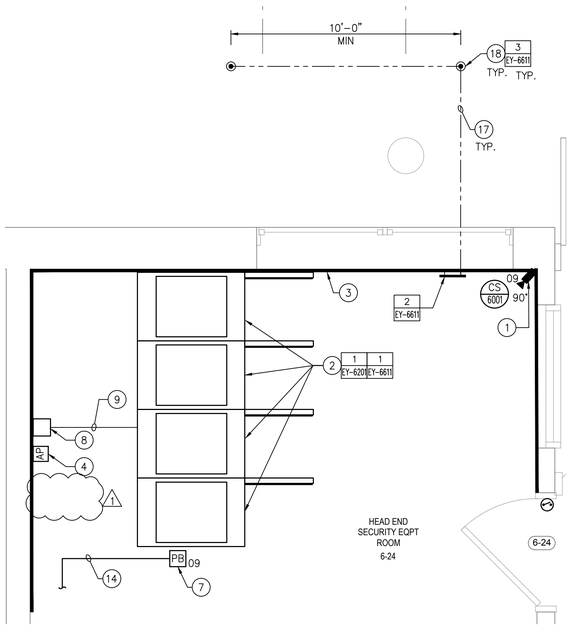
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 SECURITY PLAN

DRAWING NUMBER:
EY-6103

SHEET OF

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36x24 PLOT SHEET



1 ENLARGED HEAD END SECURITY EQPT ROOM

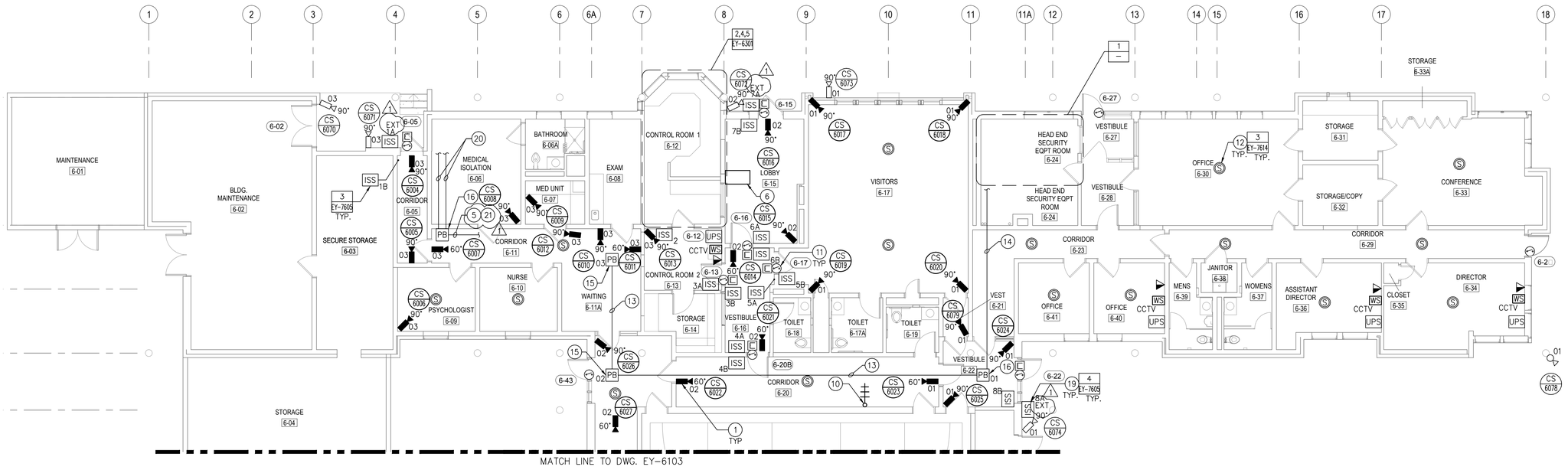
– 1/2" = 1'

GENERAL NOTE

1. REFER TO RACK ELEVATION, RISER DIAGRAMS AND DETAILS FOR ADDITIONAL INFORMATION.

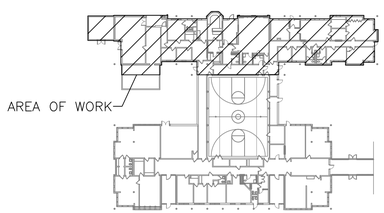
CODED NOTES

1. PROVIDE CONDUIT AND WIRING FROM CAMERA STATION TO ASSOCIATED PULL BOX. ROUTE WIRING FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK. REFER TO BUILDING 90 CAMERA MATRIX SCHEDULE FOR SIZE OF CONDUIT AND WIRING TYPE.
2. PROVIDE SECURITY EQUIPMENT RACK AND SECURITY EQUIPMENT DEVICES. REFER TO BUILDING 90 SECURITY EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION.
3. PROVIDE 3/4" PLYWOOD BACKBOARD WITH (2) COATS FIRE RETARDANT PAINT TO COVER WALLS INDICATED.
4. PROVIDE ALARM PANEL. PROVIDE 3/4"C w/ (4)#18AWG TO KEYPAD LOCATED IN CONTROL ROOM 1. PROVIDE 3/4" C. W/ 2#12, 1#12G TO POWER PANEL 'SP-1'. SHOW CKT IN PANEL SCHEDULE.
5. PROVIDE 4" CONDUIT WITH CAMERA FIBER TO SECURITY EQUIPMENT RACK LOCATED IN HEAD END SECURITY EQPT ROOM 6-24.
6. PROVIDE METAL DETECTOR.
7. REFER TO RACK ELEVATION FOR SIZE.
8. PROVIDE HINGED ENCLOSURE WITH PAD LOCK AND GROUND BAR FOR SURGE SUPPRESSION.
9. PROVIDE CONDUIT AND WIRING.
10. PROVIDE MOUNTING HARDWARE FOR MOUNTING OF NETCLOCK/GPS POLE MOUNTED ANTENNA. MOUNT ANTENNA TO ROOF OF GYMNASIUM.
11. ELECTRIC DOOR LOCKING HARDWARE WITH DOOR LATCH MONITORING AND DOOR POSITION MONITORING PROVIDED BY CONSTRUCTION CONTRACTOR. DOOR CONTROLLED AND MONITORED FROM CONTROL ROOM TOUCH SCREEN. REFER TO SECURITY DOOR DETAILS AND BUILDING 77 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
12. PROVIDE RECESSED MOUNTED CEILING SPEAKER. REFER TO BUILDING 80 INTERCOM AND PUBLIC ADDRESS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
13. PROVIDE (1) 3" CONDUIT WITH CAMERA STATION WIRING.
14. PROVIDE (1) 4" CONDUIT WITH CAMERA STATION WIRING.
15. PROVIDE 24"x24"x12" PULL BOX.
16. PROVIDE 36"x36"x12" PULL BOX.
17. PROVIDE 3/4"C. w/1#6 INSULATED COPPER GROUND WIRE. BOND EACH END OF CONDUIT.
18. PROVIDE GROUND ROD.
19. PROVIDE SURFACE MOUNTED INTERCOM SUBSTATION. REFER TO SECURITY DOOR DETAILS RISER DIAGRAM FOR ADDITIONAL INFORMATION.
20. CONDUIT AND FIBER FROM FAS ENCLOSURE REFER TO SECURITY SITE PLAN FOR ADDITIONAL INFORMATION.
21. PROVIDE 2" CONDUIT TO PULL BOX LOCATED UNDER COUNTER IN CONTROL ROOM 1 6-12 FOR FENCE PROTECTION SYSTEM.



BUILDING 90 SECURITY PLAN

1/8" = 1'



KEY PLAN

NOT TO SCALE

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

GRAPHIC SCALE (FEET)

1/2"=1' 0' 5' 10'

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:

ELECTRICAL

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 90 SECURITY PLAN

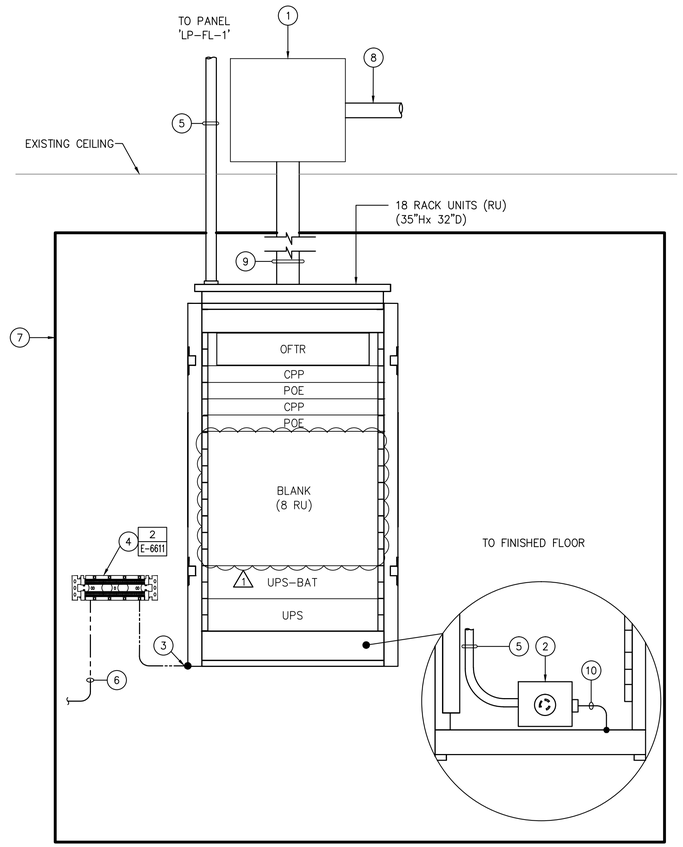
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EY-6104

SHEET OF

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36x24 PLOT SHEET



1 SECURITY EQUIPMENT RACK LAYOUT – BLDG. No. 90
– NOT TO SCALE

GENERAL NOTES

1. PATCH AND FIREPROOF ALL CONDUIT PENETRATIONS.
2. TYPICAL EQUIPMENT RACK LAYOUT. REFER TO BUILDING 90 SECURITY RISER DIAGRAM FOR EXACT QUANTITIES.
3. MOUNT PRIMARY RACK EQUIPMENT AT TOP OF RACK. PROVIDE BLANK FILLERS FOR ALL GAPS.
4. PROVIDE TAMPER PROOF SCREWS FOR ALL PULL BOXES, WIREWAYS, ETC. LOCATED IN SECURITY EQUIPMENT ROOM. TORX W/PIN REJECT.

CODED NOTES

(1) PROVIDE STEEL PULL BOX ABOVE CEILING.

(2) PROVIDE 120V, 30A CIRCUIT FROM 'LP-FL-1' TO 30A RECEPTACLE IN DOUBLE GANG BOX. INSTALL RECEPTACLE IN SECURITY EQUIPMENT RACK.

(3) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO EQUIPMENT GROUND CONNECTION AT SECURITY EQUIPMENT RACK.

(4) PROVIDE GROUND BAR. REFER TO GROUND SYSTEM SCHEMATIC DIAGRAM DETAIL FOR ADDITIONAL INFORMATION.

(5) PROVIDE 3/4"C. w/2#10, 1#10G. FOR POWER TO 30A RECEPTACLE.

(6) PROVIDE 3/4"C. w/#6 INSULATED COPPER WIRE TO (2) 5/8"x10' COPPER CLAD GROUND RODS LOCATED OUTSIDE.

(7) PROVIDE 4'x4'x3/4" BACKBOARD AT MINIMUM, WITH (2) COATS FIRE RETARDANT LATEX PAINT. SIZE BACKBOARD FOR SECURITY EQUIPMENT RACK, POWER SUPPLY AND GROUND BAR.

(8) INSTALL CAMERA STATION WIRING HOME RUN BACK TO SECURITY EQUIPMENT RACK FOR EACH CAMERA STATION WITH CONDUIT. REFER TO BUILDING SECURITY LAYOUTS AND 'CAMERA MATRIX SCHEDULE' FOR CAMERA STATION WIRING.

(9) PROVIDE (1) 4" CONDUIT AND CAMERA STATION WIRING FROM PULL BOX TO SECURITY EQUIPMENT RACK.

(10) PROVIDE #6 GREEN INSULATED COPPER BONDING JUMPER.

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

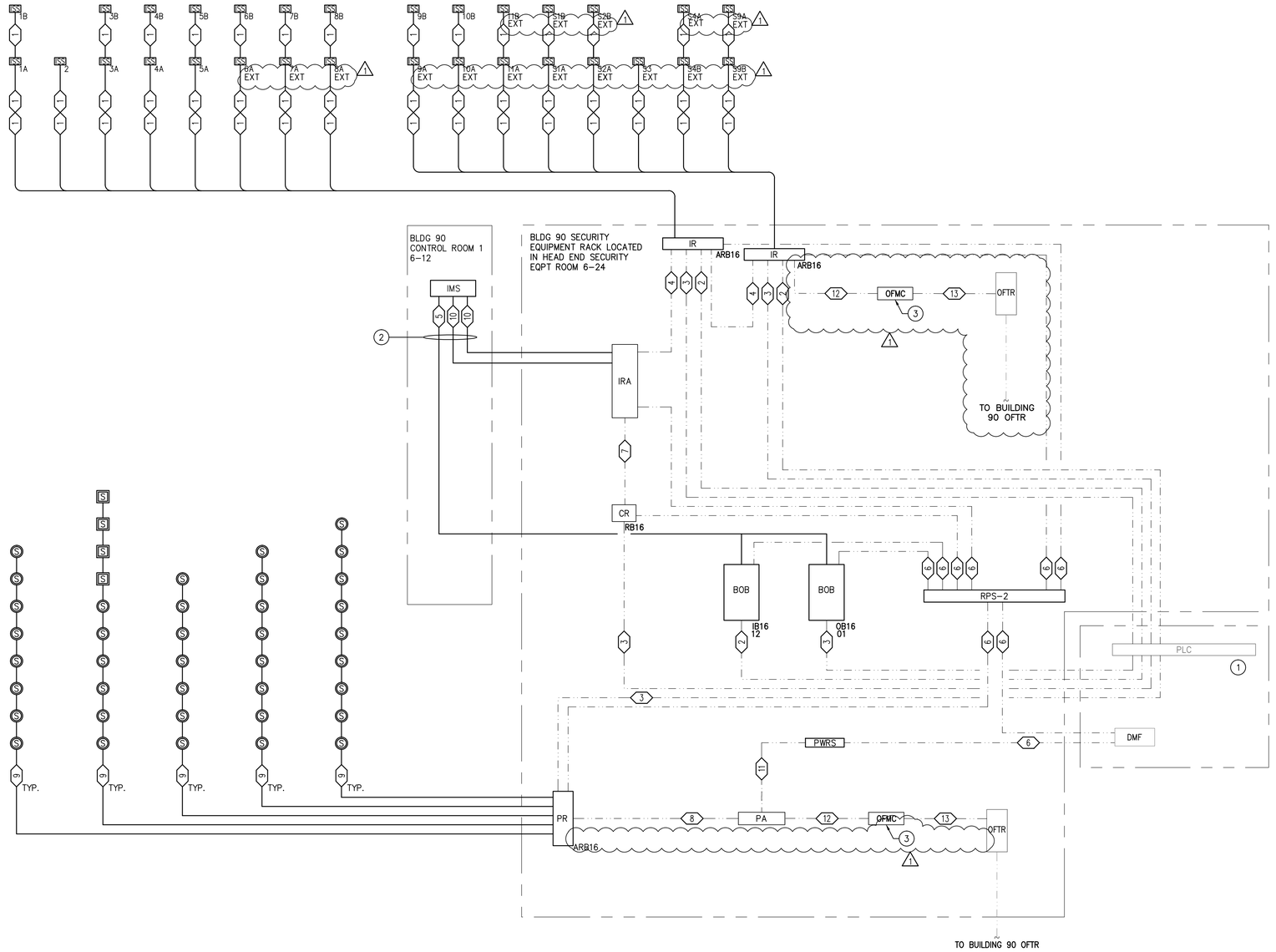
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 SECURITY EQUIPMENT RACK LAYOUT

DRAWING NUMBER:
EY-6202

SHEET OF

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36x24 PLOT SHEET



1 BUILDING 90 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM
– NOT TO SCALE

GENERAL NOTES

1. REFER TO BUILDING 90 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 90 DOOR CONTROL AND INTERCOM SYSTEM WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. REFER TO BUILDING 90 DOOR-GATE CONTROLS/INTERCOM/CCTV SYSTEMS SCHEDULE FOR ADDITIONAL INFORMATION.
4. CONTRACTOR TO SEAL ALL CONDUITS WHICH PENETRATE EXTERIOR WALLS.
5. INSTALL INTERCOM SUBSTATIONS IN THE PROPER ORIENTATION AS PER MANUFACTURERS REQUIREMENTS.

CODED NOTES

1. REFER TO BUILDING 90 DOOR CONTROL SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. PROVIDE 3/4" CONDUIT WITH WIRING.
3. DIN-RAIL MOUNT OPTICAL FIBER MEDIA CONVERTER (OFMC) ON BACK OF SECURITY EQUIPMENT RACK.

BUILDING 90 INTERCOM AND PUBLIC ADDRESS CABLE SCHEDULE

1	PROVIDE (2) CONDUCTOR #22 AWG SHIELDED AND (2) CONDUCTOR #22 AWG UNSHIELDED.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
3	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
4	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #18 AWG STRANDED BARE COPPER CONDUCTORS, SHIELDED w/ AN OVERALL JACKET.
5	PROVIDE (6) PAIR #22 AWG SOLID BARE COPPER CONDUCTORS, UNSHIELDED w/ AN OVERALL JACKET.
6	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
7	MANUFACTURER SUPPLIED AND INSTALLED (8) CONDUCTOR #22 AWG, STRANDED PVC INSULATED.
8	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
9	PROVIDE (2) CONDUCTOR #16 AWG TWISTED SPEAKER WIRE.
10	PROVIDE (2) CONDUCTOR #18 AWG STRANDED BARE COPPER CONDUCTORS, SHIELDED w/ AN OVERALL JACKET.
11	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
12	PROVIDE (2) CONDUCTOR #18 AWG.
13	SINGLE MODE FIBER JUMPER CABLE.

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CONTRACT:

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TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

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	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

BUILDING 90 INTERCOM AND PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DRAWING NUMBER:

EY-6502

SHEET OF

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GENERAL NOTES

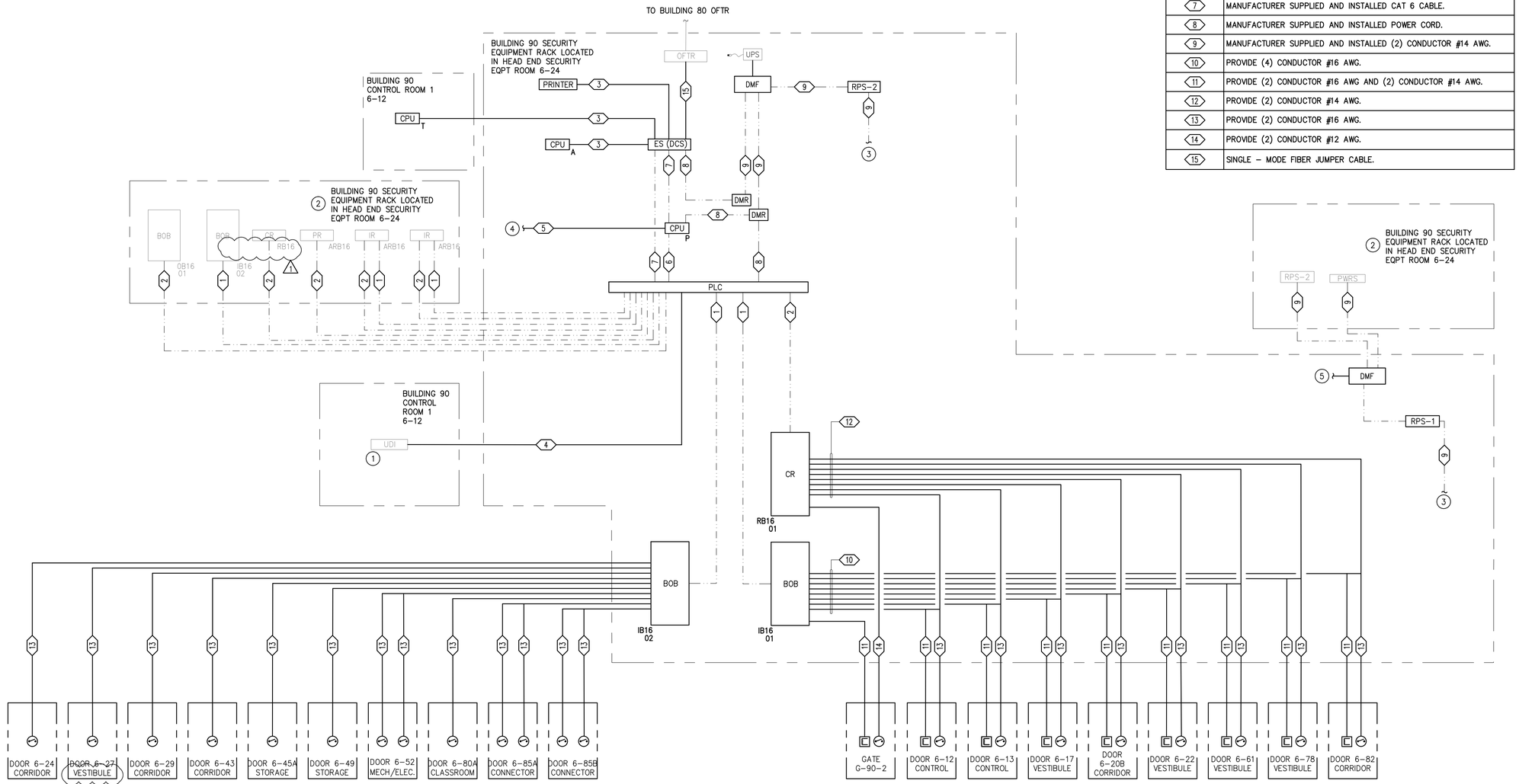
1. REFER TO BUILDING 90 PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 90 DOOR CONTROL WIRING DETAILS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN RATED WALLS.
4. LATCH BOLT MONITORING WIRING AND DOOR POSITION SWITCH MONITORING TO TIE INTO SAME INPUT AT BREAK OUT BOARD.

CODED NOTES

1. REFER TO BUILDING 90 CCTV SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. REFER TO BUILDING 90 INTERCOM RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
3. WIRING PROVIDED BY MANUFACTURER AS REQUIRED TO DEVICES.
4. CONNECT TO PHONE LINE (FOR PROGRAMMING ONLY). (1)
5. PROVIDE 3/4"C. w/2#12, 1#12G TO SP-1.

BUILDING 90 DOOR CONTROL CABLE SCHEDULE (1)

1	MANUFACTURER SUPPLIED AND INSTALLED PLC INPUT CONNECTION CABLE.
2	MANUFACTURER SUPPLIED AND INSTALLED PLC OUTPUT CONNECTION CABLE.
3	PROVIDE CAT 6 CABLE.
4	PROVIDE RS-232 CABLE.
5	PROVIDE POTS 3 LINE.
6	MANUFACTURER SUPPLIED AND INSTALLED RS-232 CABLE.
7	MANUFACTURER SUPPLIED AND INSTALLED CAT 6 CABLE.
8	MANUFACTURER SUPPLIED AND INSTALLED POWER CORD.
9	MANUFACTURER SUPPLIED AND INSTALLED (2) CONDUCTOR #14 AWG.
10	PROVIDE (4) CONDUCTOR #16 AWG.
11	PROVIDE (2) CONDUCTOR #16 AWG AND (2) CONDUCTOR #14 AWG.
12	PROVIDE (2) CONDUCTOR #14 AWG.
13	PROVIDE (2) CONDUCTOR #16 AWG.
14	PROVIDE (2) CONDUCTOR #12 AWG.
15	SINGLE - MODE FIBER JUMPER CABLE.



1 BUILDING 90 DOOR CONTROL SYSTEM RISER DIAGRAM
- NOT TO SCALE

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FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 90 DOOR CONTROL SYSTEM RISER DIAGRAM

DRAWING NUMBER:
EY-6503

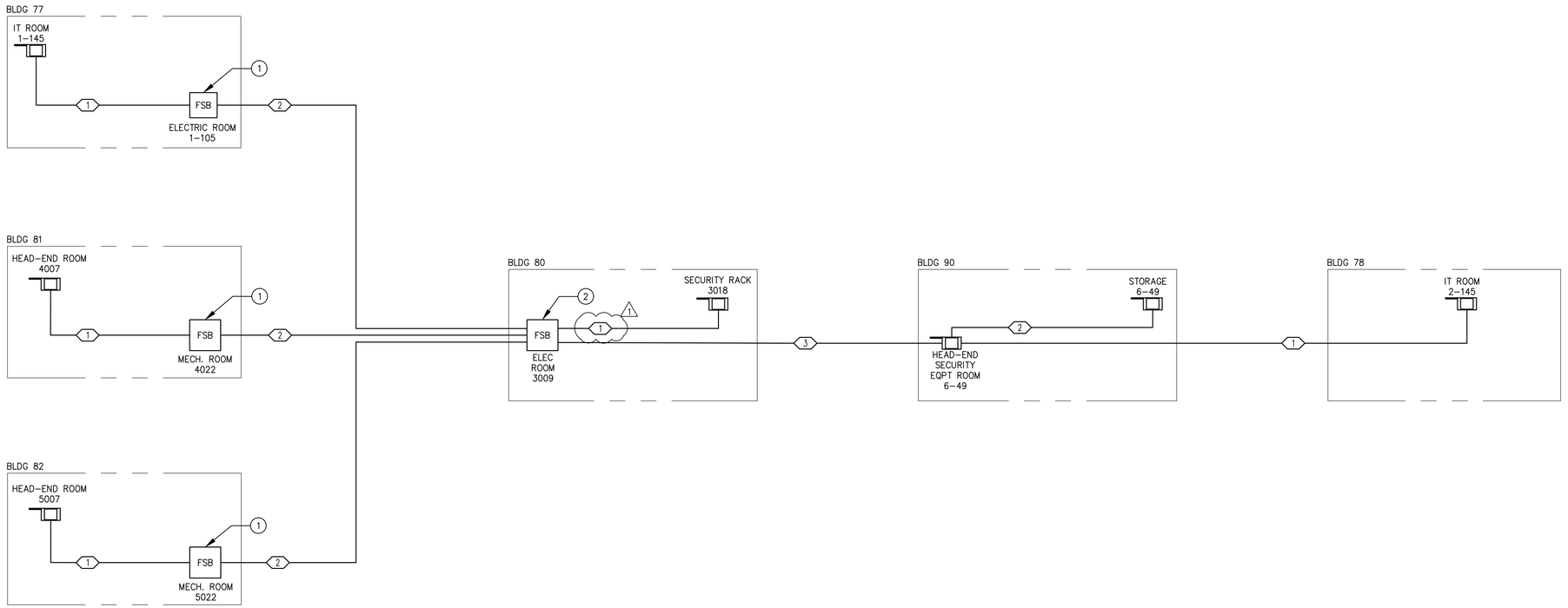
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FIBER OPTICS BACK BONE CABLE SCHEDULE	
	1
1	1 1/4" C. W/ 12-STRAND SINGLE MODE FIBER OPTIC CABLE
2	EXISTING 12-STRAND SINGLE MODE FIBER OPTIC CABLE
3	48 STRAND SINGLE-MODE FIBER OPTIC CABLE

CODED NOTES

1. PROVIDE SPLICE BOX TO EXTEND EXISTING 12 STRAND SINGLE MODE FIBER TO SECURITY EQUIPMENT RACK.
2. DISCONNECT AND REMOVE EXISTING SPLICE BOX. PROVIDE SPLICE BOX TO EXTEND 12-STRAND SINGLE MODE FIBER OPTIC CABLE FROM BUILDINGS 77, 80, 81, AND 82 TO HEAD-END SECURITY EQUIPMENT ROOM 6-24 WITH 48-STRAND SINGLE MODE FIBER OPTIC CABLE. EXISTING 48-STRAND SINGLE MODE FIBER OPTIC CABLE TO BUILDING 1 TO REMAIN.



1 SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM
- NOT TO SCALE

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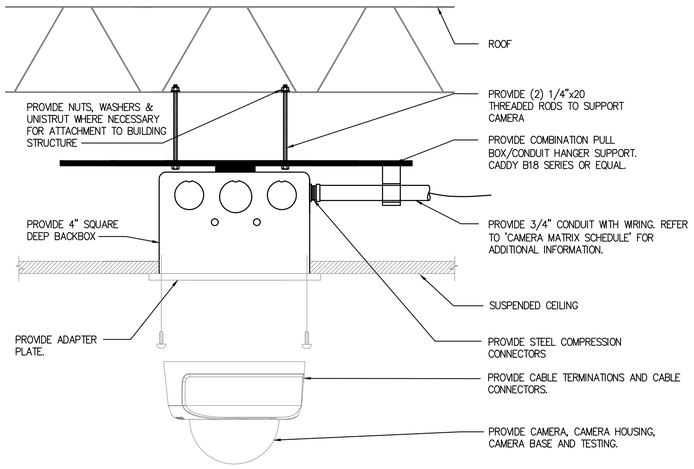
PROJECT NUMBER:	45679 - E
DESIGNED BY:	DAS
DRAWN BY:	AKA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SECURITY FIBER OPTIC BACK BONE RISER DIAGRAM

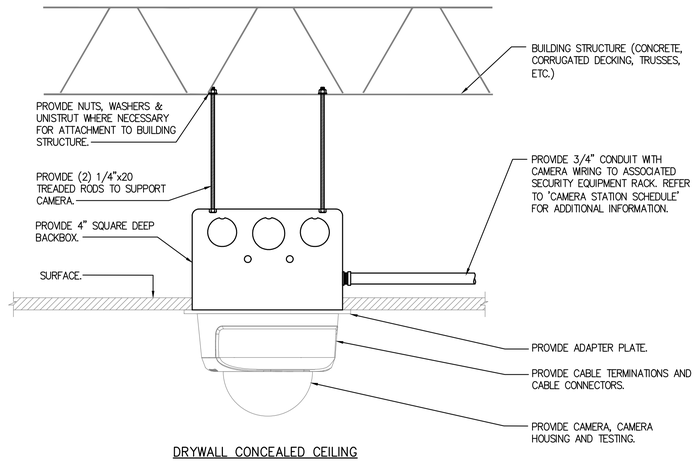
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EY-7501

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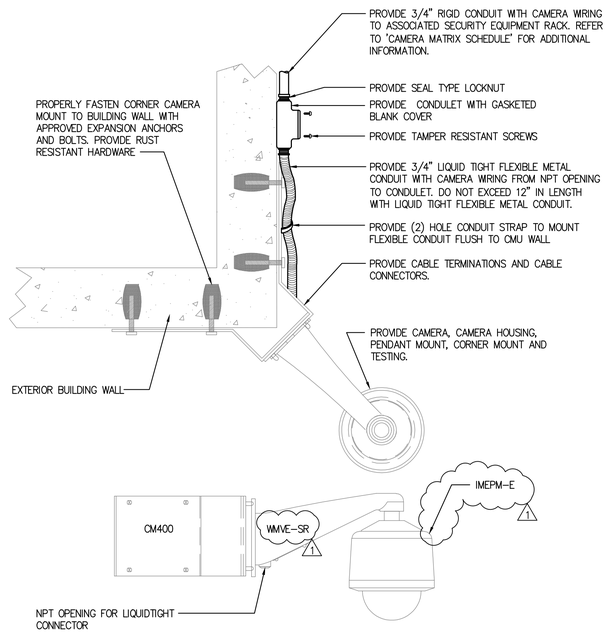


1 INTERIOR SUSPENDED CEILING MINI-DOME CAMERA
– NOT TO SCALE

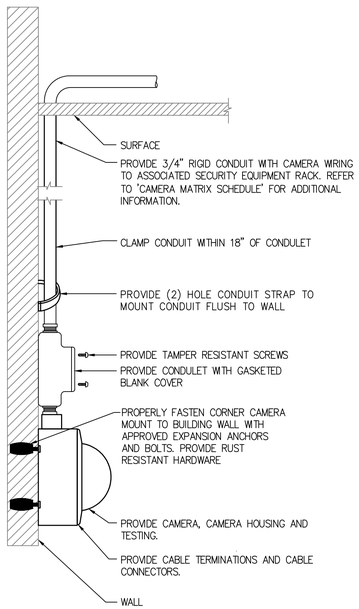


DRYWALL CONCEALED CEILING

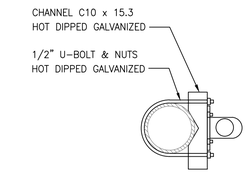
2 SURFACE CEILING MOUNTED MINI-DOME CAMERA
– NOT TO SCALE



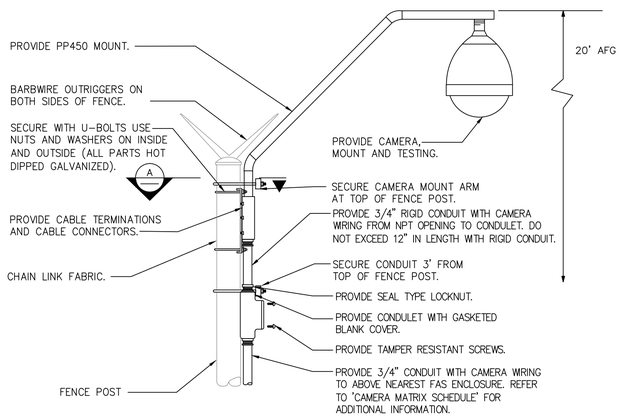
3 INTERIOR/EXTERIOR CORNER WALL MOUNT DOME CAMERA
– NOT TO SCALE



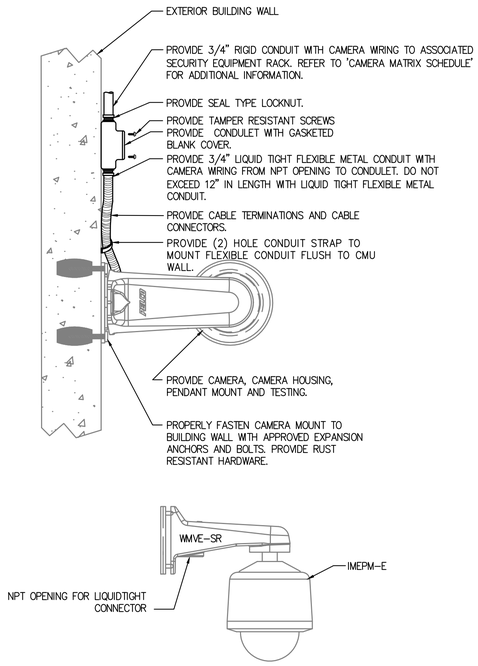
SURFACE WALL MOUNTED
4 MINI-DOME CAMERA STATION
– NOT TO SCALE



A SECTION "A"
NOT TO SCALE



5 EXTERIOR FENCE MOUNTED CAMERA STATION
– NOT TO SCALE



6 INTERIOR/EXTERIOR WALL MOUNT DOME CAMERA
– NOT TO SCALE

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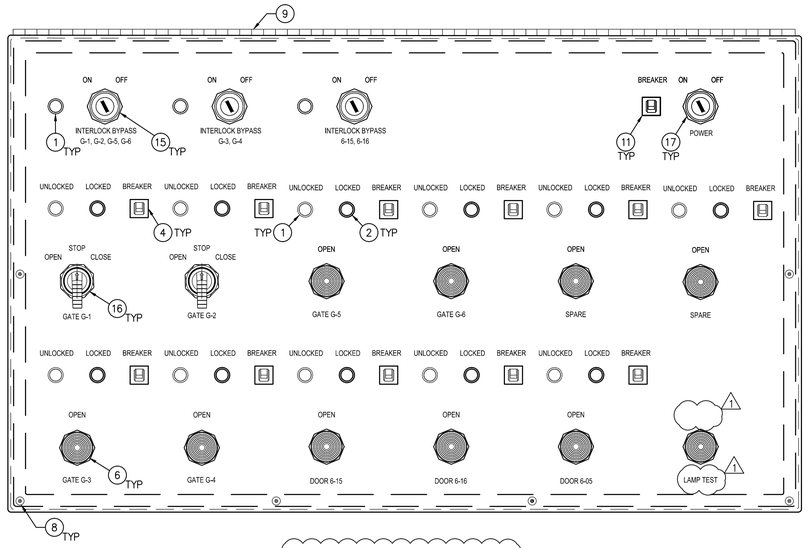
PROJECT NUMBER:	45679 – E
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DRAWN BY:	DAS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
CAMERA MOUNTING DETAILS

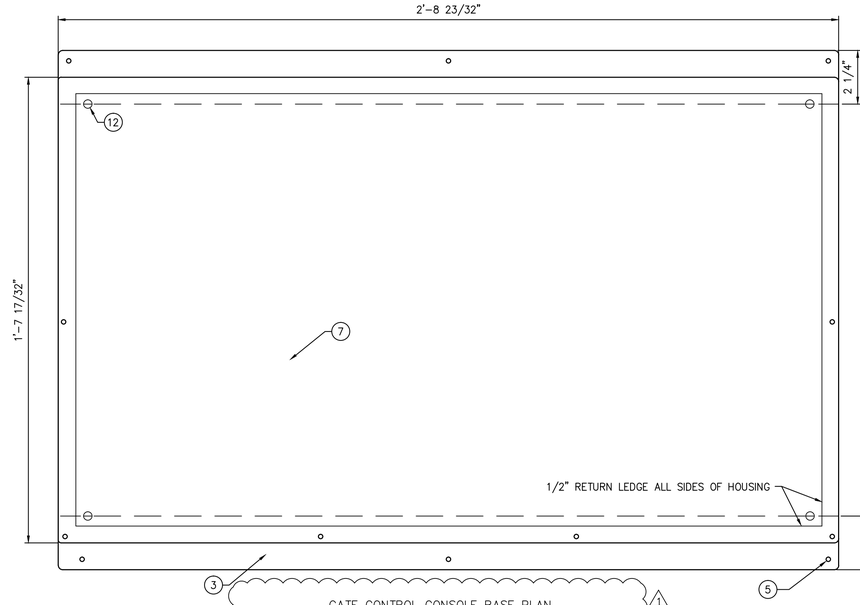
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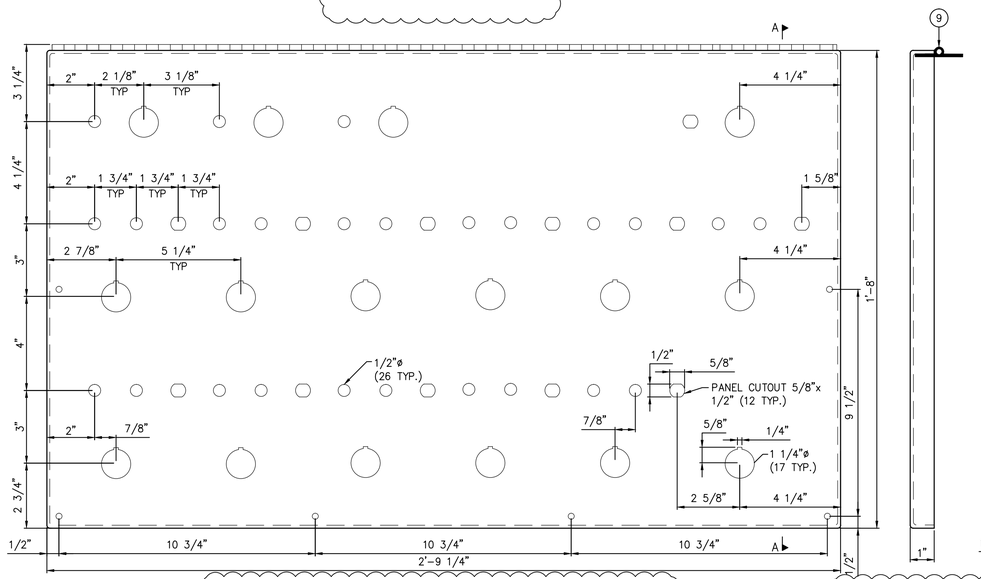
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GATE CONTROL CONSOLE PANEL

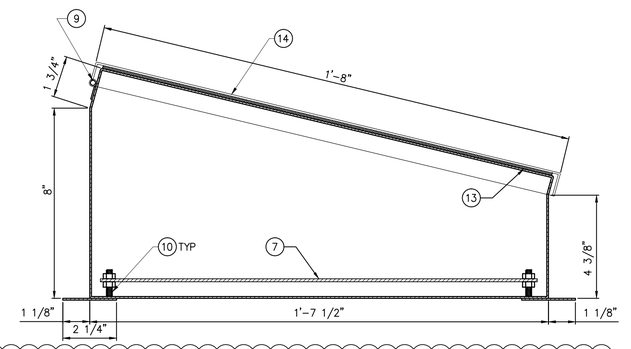


GATE CONTROL CONSOLE BASE PLAN



GATE CONTROL CONSOLE PANEL DIMENSIONS

SECTION A-A



GATE CONTROL CONSOLE BASE SECTION – LEFT VIEW

1 GATE CONTROL CONSOLE
– NOT TO SCALE

GENERAL NOTES

1. COORDINATE THE REMOVAL OF EXISTING GATE CONTROLS AND WIRING WITH THE INSTALLATION OF NEW GATE CONTROLS.
2. DO NOT APPLY POWER TO ANY GATES UNTIL THE INSTALLATION HAS BEEN INSPECTED AND ALL PROPER ADJUSTMENTS HAVE BEEN MADE TO THE GATE MECHANISMS. IMPROPER INSTALLATION MAY DAMAGE THE EQUIPMENT.
3. CONTROLS OF ALL GATES SHALL BE INTERLOCKED AS SPECIFIED IN SECTION 323114 OF THE PROJECT MANUAL.
4. FACE PLATE TO BE FABRICATED FROM 11 GAUGE STAINLESS STEEL.
5. BASE TO BE FABRICATED FROM 10 GAUGE MILDSTEEL WITH HAMMER TONE GRAY FINISH.
6. CONTRACTOR TO FIRE SEAL ALL CONDUITS WHICH PENETRATE BETWEEN FLOORS AND RATED WALLS.
7. CONTROL CONSOLE PANEL KNOCKOUTS FOR THE FLUSH MOUNTED CIRCUIT BREAKERS SHALL BE SO CONFIGURED AS TO PREVENT THE CIRCUIT BREAKER FROM ROTATING. (FLAT BOTTOM OR SQUARE PROPERLY SIZED ONLY) ROUND HOLED KNOCKOUTS ARE NOT ACCEPTABLE.
8. PROVIDE LEGEND PLATES AS INDICATED ON DRAWING.
9. GATE CONTROL CONSOLE SHALL BE INSTALLED IN CONTROL AS INDICATED ON DRAWING EY-6301. COORDINATE EXACT LOCATION WITH DIRECTOR'S REPRESENTATIVE. (1)
10. SECURE GCC TO COUNTER TOP WITH 5/16" CARAGE BOLTS, WASHERS AND SELF LOCKING NUTS.
11. INTERLOCK BYPASS KEYS SHALL INCORPORATE A CONTROL SEAL WHICH IS TO BE ATTACHED TO SIDE OF CONSOLE PANEL. SEAL MUST BE BROKEN IN ORDER TO UTILIZE BYPASS KEYS.
12. (1) THIS DRAWING IS SHOWN FOR REFERENCE ONLY. GATE CONTROL CONSOLE PROVIDED BY CONSTRUCTION CONTRACT.

CODED NOTES

1. INDICATOR LIGHT – RED.
2. INDICATOR LIGHT – GREEN.
3. 10 GA. x 2 1/4" MOUNTING FLANGE (WELDED TO BASE).
4. 5 AMP CIRCUIT BREAKER.
5. 1/4" MOUNTING HOLES IN FLANGE TYPICAL FOR "8".
6. MOMENTARY CONTACT PUSHBUTTON.
7. PROVIDE 1/8" ALUMINUM PLATE FOR ELECTRONICS MOUNTING.
8. PROVIDE TAMPER PROOF "TORX CENTER PIN SCREWS" FOR ALL EXPOSED FASTENING HARDWARE ON CONTROL PANELS. (COVER SCREWS 1/4"-20, DEVICE MOUNTING SCREWS ETC.)
9. CONTINUOUS STAINLESS STEEL HINGE. .120 THK, 2" WIDE w/.25"ø (NON REMOVABLE WELDED) PIN. RETURN EDGE 1" ON ALL SIDES OF CONTROL CONSOLE PANEL.
10. MOUNTING STUD WELDED TO BASE.
11. 30 AMP CIRCUIT BREAKER.
12. 1/4" MOUNTING POST TYPICAL FOR "4".
13. PROVIDE CONTINUOUS WEATHER STRIP.
14. FACE PLATE OF GATE CONTROL CONSOLE TO BE FABRICATED FROM 11 GAUGE STAINLESS STEEL.
15. KEYED INTERLOCK BYPASS.
16. 3-POSITION SWITCH.
17. KEYED POWER SWITCH.

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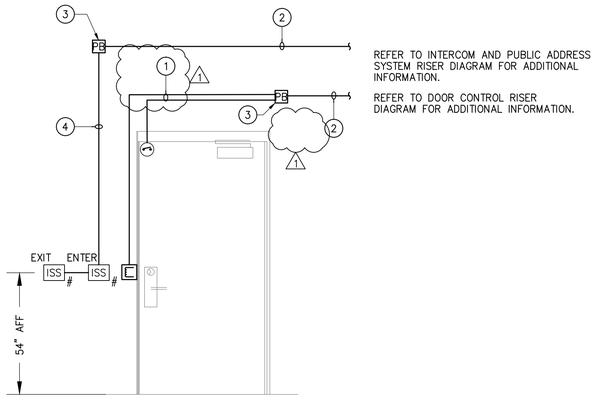
GATE CONTROL CONSOLE DETAILS

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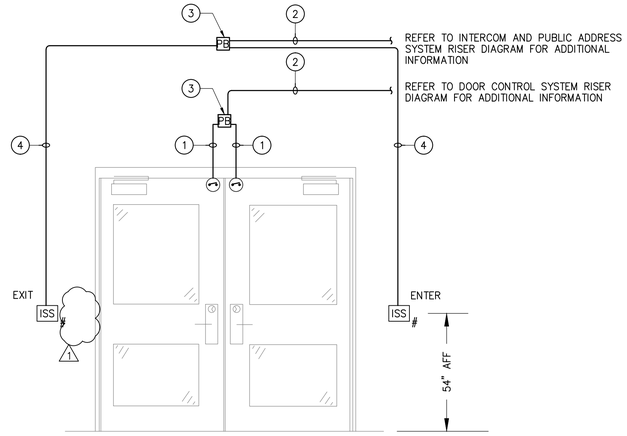
EY-7602

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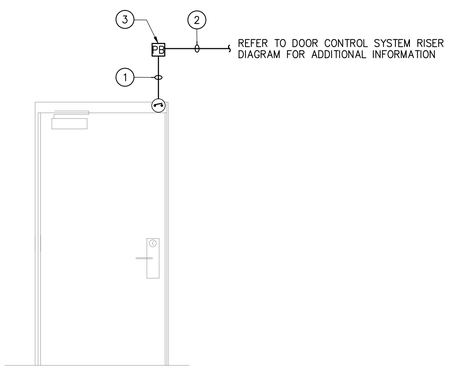
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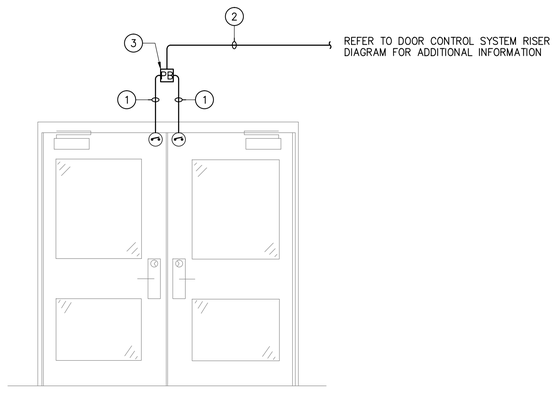
1 SINGLE DOOR – MONITORED AND CONTROLLED
– NOT TO SCALE



2 DOUBLE DOOR SAME SWING – MONITORED AND INTERCOM
– NOT TO SCALE



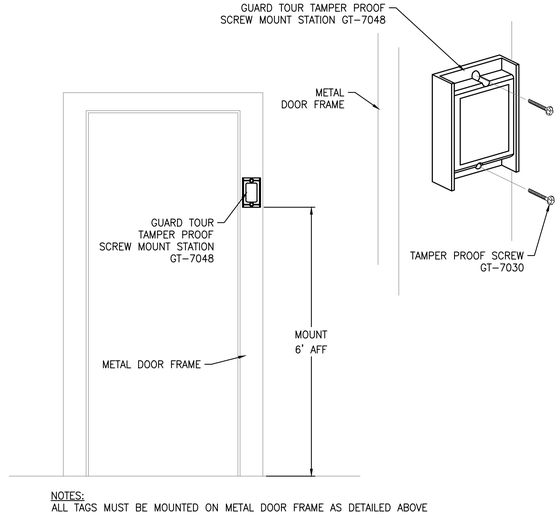
3 SINGLE DOOR – MONITORED ONLY
– NOT TO SCALE



4 DOUBLE DOOR SAME SWING – MONITORED ONLY
– NOT TO SCALE

CODED NOTES

1. CONDUIT FROM PULL BOX TO EACH DOOR DEVICE PROVIDED BY CONSTRUCTION CONTRACTOR.
2. PROVIDE 3/4" RGS CONDUIT FROM PULL BOX BACK TO SECURITY EQUIPMENT RACK.
3. PROVIDE 12"x12"x4" PULL BOX WITH TAMPERPROOF FASTENERS ABOVE CEILING. TERMINATIONS IN PULL BOX BY THIS CONTRACT.
4. PROVIDE 3/4" RGS CONDUIT FROM PULL BOX TO INTERCOM SUBSTATIONS.



NOTES:
ALL TAGS MUST BE MOUNTED ON METAL DOOR FRAME AS DETAILED ABOVE

5 GUARD TOUR CHECK STATION
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
ELECTRICAL

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

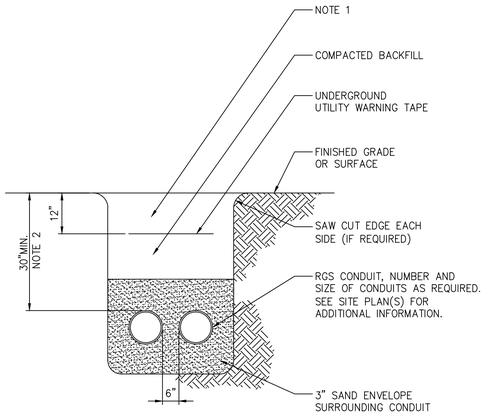
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	DAS
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
DOOR DETAILS

DRAWING NUMBER:
EY–7606

SHEET OF

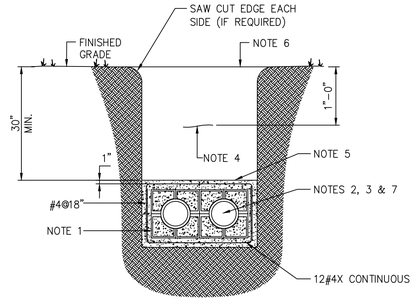
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36x24 PLOT SHEET



NOTE

1. REPLACE SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.
2. 30"MIN. OR 6" BELOW BOTTOM OF FROST LINE, WHICHEVER IS DEEPER.

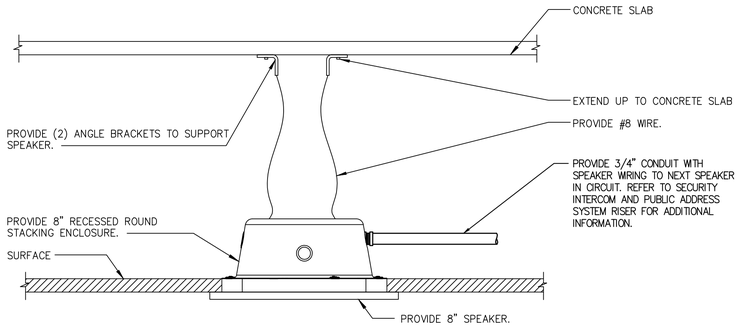
1 TYPICAL UNDERGROUND CONDUIT DETAIL
– NOT TO SCALE



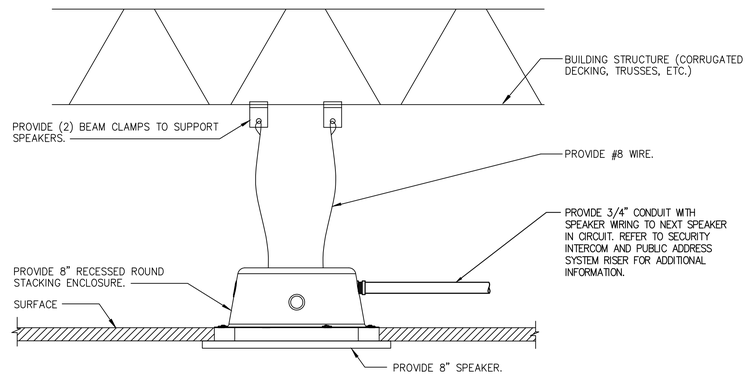
DUCT NOTES

1. PROVIDE BASE SPACERS AND INTERMEDIATE SPACERS AT 5'–0" ON CENTER.
2. PROVIDE WIRING IN CONDUITS AS INDICATED ON PLANS AND/OR ON FEEDER SCHEDULE AND PROVIDE PULL WIRE IN EACH SPARE CONDUIT.
3. MINIMUM 48" RADIUS FOR CONDUIT BENDS.
4. PROVIDE RED 6" WIDE CONDUCTIVE MARKING TAPE LABELED: 'DANGER– BURIED HIGH VOLTAGE CABLE', AND BLUE MARKING TAPE LABELED: 'COMMUNICATION CONDUITS' (INSTALL ABOVE THE ENTIRE LENGTH OF THE DUCTBANK).
5. UNDER PAVED AREAS ENCASE CONDUITS WITH 3" COVER, ALL SIDES 4000 PSI CONCRETE. LIMIT SLOPE OF DUCTBANK TO 5% MAXIMUM. SAND ENVELOPE MAY BE USE IN LIEU OF CONCRETE UNDER NON–PAVED AREAS. SLOPE DUCTBANK TOWARDS MANHOLE FOR DRAINAGE.
6. REPLACE SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL, GRASS, ETC. REPLACE SELECT BACKFILL IN 6" LIFTS, COMPACT EACH PLACEMENT.
7. CONDUIT SIZE AND QUANTITY AS INDICATED ON PLAN(S) AND/OR ON SCHEDULES.

2 TYPICAL CONCRETE ENCASED DUCTBANK DETAIL
– NOT TO SCALE

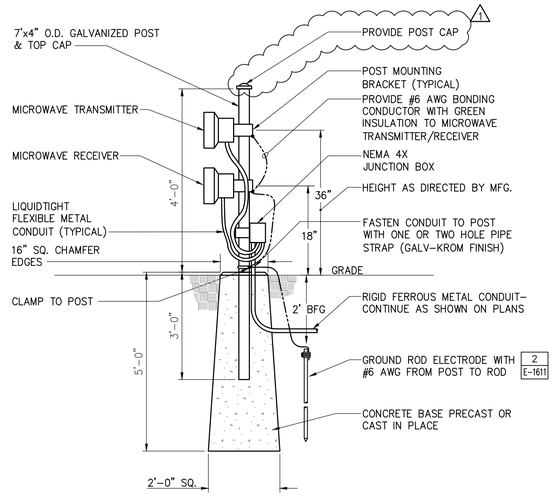


CONCRETE SLAB CEILING



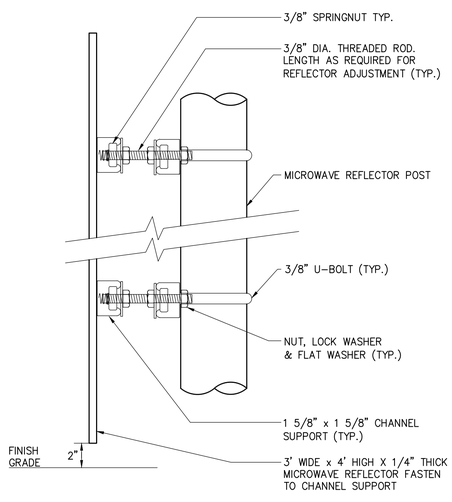
TRUSS CEILING

3 TYPICAL GYPSUM CEILING SPEAKER DETAILS
– NOT TO SCALE

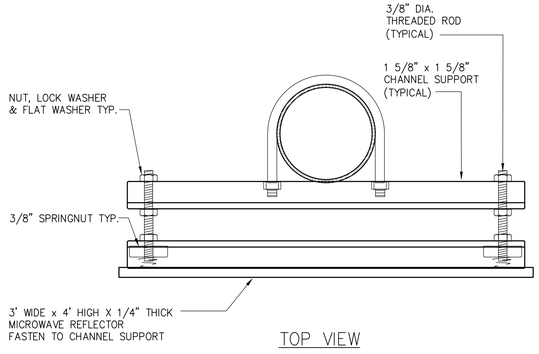


NOTE:
1. ALL CONDUIT TO BE SEALED WITH DOW CORNING #738 RTV OR A NON–CORROSIVE EQUIVALENT.

4 MICROWAVE TRANSMITTERS AND RECEIVERS POST AND BASE
– NOT TO SCALE



SIDE VIEW



TOP VIEW

NOTE:
1. ALL PARTS HOT DIPPED GALVANIZED.

5 MICROWAVE REFLECTOR INSTALLATION
– NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT: ELECTRICAL

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

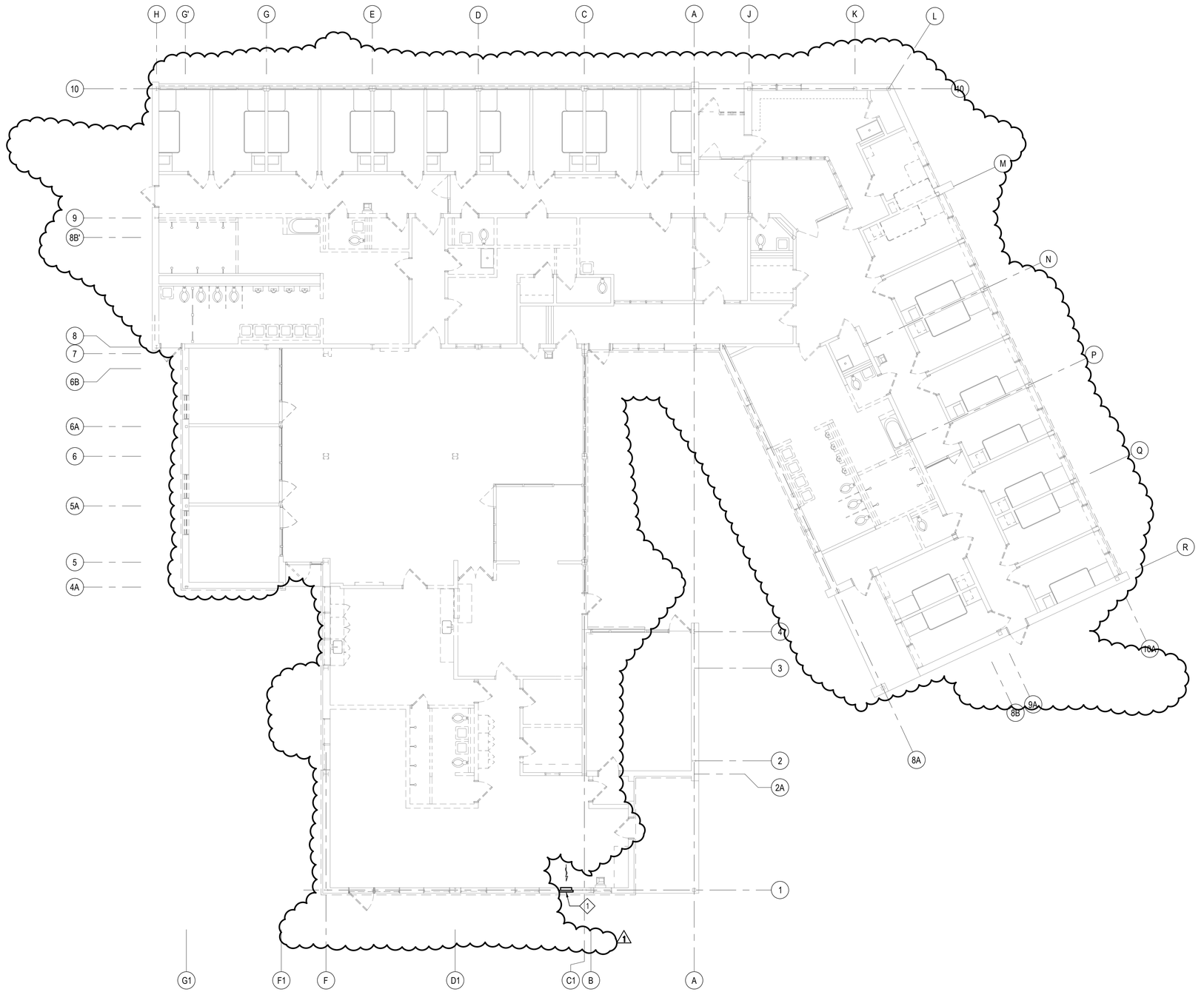
PROJECT NUMBER:	45679 – E
DESIGNED BY:	DAS
DRAWN BY:	DAS
FIELD CHECK:	
APPROVED:	

SHEET TITLE: SECURITY DETAILS

DRAWING NUMBER: EY–7614

SHEET OF

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36x24 PLOT SHEET



GENERAL NOTES

1. IF EQUIPMENT IS TO BE KEPT BY DIRECTOR'S REPRESENTATIVE, EQUIPMENT IS TO BE REMOV'ED WITH CARE TO PRESERVE CONDITION.
2. PATCH AND SEAL ANY OPENINGS NOT TO BE REUSED AS A RESULT OF REMOVAL WORK.

CODED NOTES

1 DISCONNECT AND REMOVE WEATHER CAP, PAN, CONTROLS, AND ALL ASSOCIATED APPURTENANCES.

BUILDING 77 HVAC REMOVAL PLAN

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

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CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

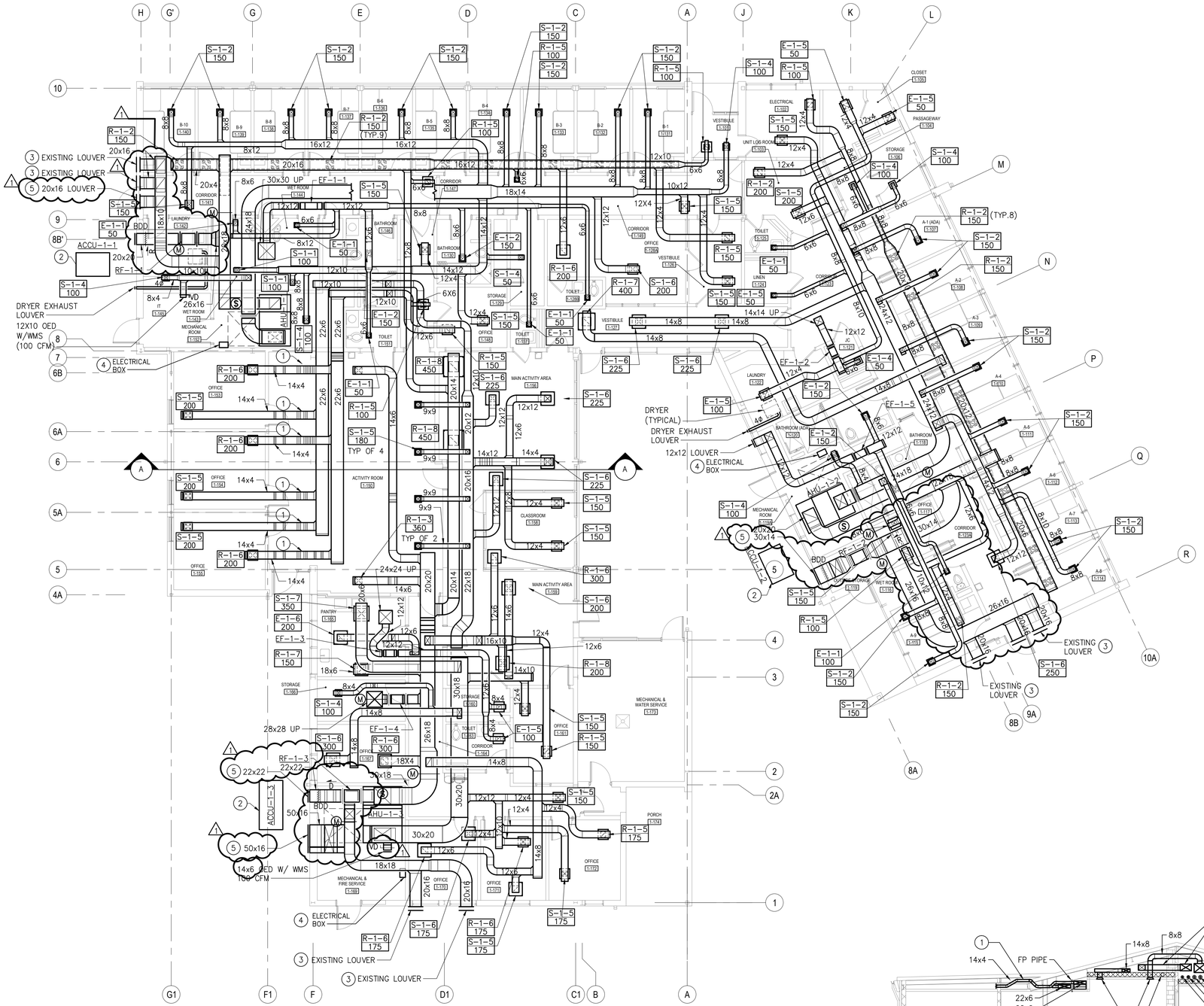
PROJECT NUMBER:	45679 - H
DESIGNED BY:	DB
DRAWN BY:	CTH/DLB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 77 HVAC REMOVAL PLAN

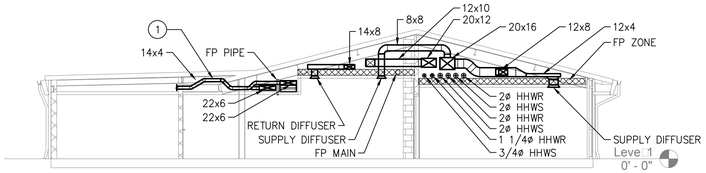
DRAWING NUMBER: M-1101

SHEET OF

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36x24 PLOT SHEET



BUILDING 77 HVAC DUCTWORK FLOOR PLAN
SCALE: 1/8" = 1'-0"



BUILDING 77 ACTIVITY ROOM SECTION A-A
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SECTION 23.3301.2 FOR VOLUME DAMPER REQUIREMENT.
2. COORDINATE HOUSE KEEPING PAD SIZES WITH PURCHASED MECHANICAL EQUIPMENT.

CODED NOTES

1. ROUTE DUCTWORK TIGHT TO ROOF DECK BEFORE DROPPING TO SERVE ROOM.
2. PROVIDE CONCRETE HOUSE KEEPING PAD FOR ACCU UNITS AT FULL SIZE OF FENCE ENCLOSURE.
3. CONNECT DUCTWORK TO EXISTING LOUVER AT FULL SIZE OF LOUVER.
4. ELECTRICAL BOX TO BE PROVIDED WITH AHU AS REQUIRED BY MANUFACTURER
5. CONNECT DUCTWORK TO LOUVER

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

PROJECT NUMBER:	45679 - H
DESIGNED BY:	DB
DRAWN BY:	CTH/DLB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 77 HVAC DUCTWORK FLOOR PLAN

DRAWING NUMBER: M-1102

SHEET OF

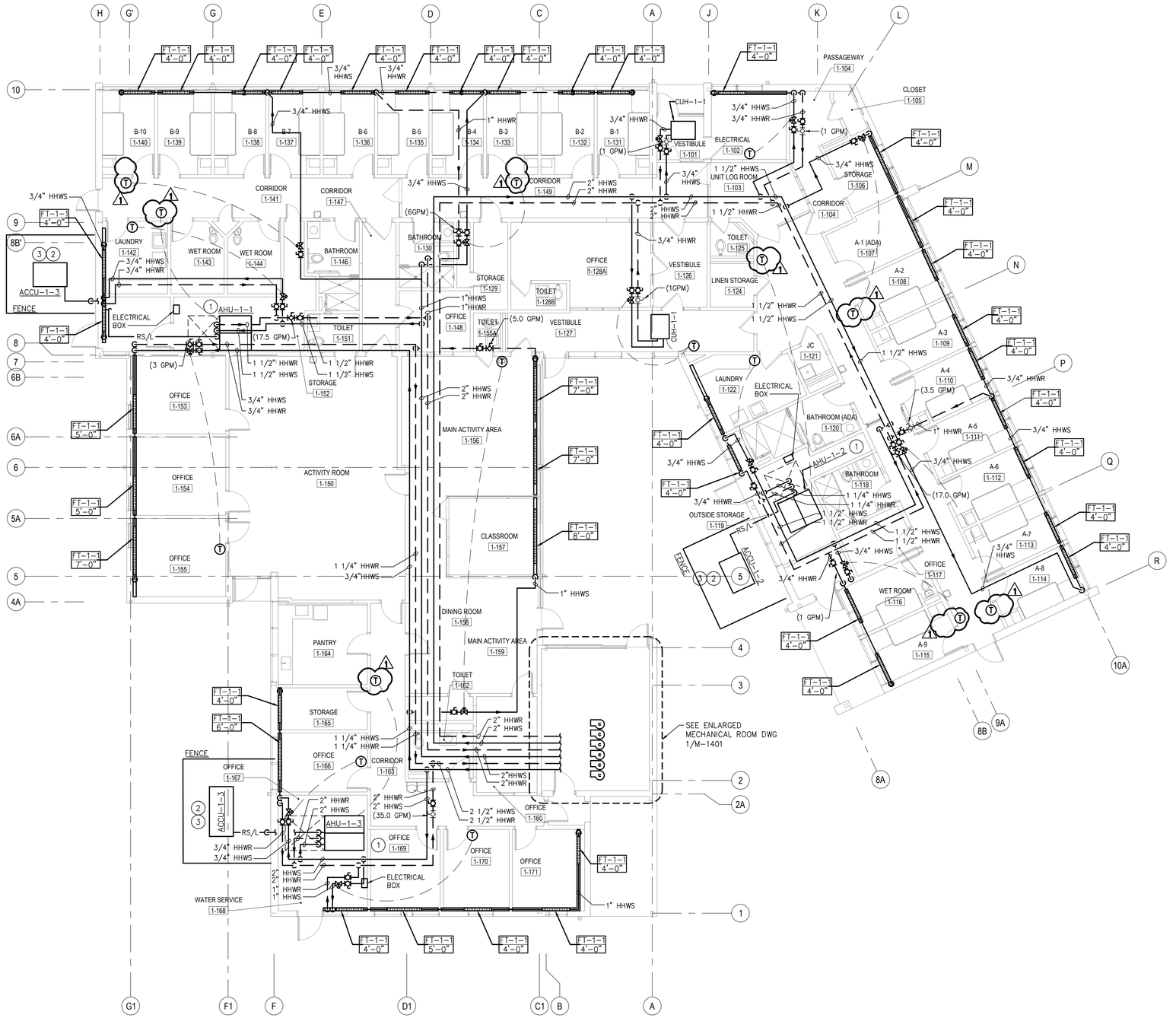
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36x24 PLOT SHEET

GENERAL NOTES

1. PIPING BETWEEN RESIDENT ROOMS TO REUSE EXISTING WALL PENETRATIONS.
2. CONTRACTOR IS TO PROVIDE REFRIGERANT AND FILL AS REQUIRED FOR START-UP.

CODED NOTES

1. ROUTE 3/4 CONDENSATE TO FLOOR DRAIN IN MECHANICAL ROOM. COORDINATE WITH P-CONTRACT FOR LOCATION OF DRAIN.
2. PROVIDE REFRIGERANT PIPING BETWEEN RESPECTIVE AHU AND ACCU UNITS.
3. REFRIGERANT PIPING TO BE SIZED PER MANUFACTURER.



BUILDING 77 HVAC PIPING FLOOR PLAN

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**

DESIGN & DESIGNATION

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CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

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MARK	DATE	DESCRIPTION
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	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - H
DESIGNED BY:	DB
DRAWN BY:	DB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 77 HVAC PIPING FLOOR PLAN

DRAWING NUMBER: M-1103

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AIR HANDLING AND CONDENSING UNIT SCHEDULE

TAG	LOCATION	SERVICE	ASSOCIATED CONDENSING UNIT	CFM	OA CFM	SUPPLY FAN MOTOR DATA						HEATING COIL									DX COIL DATA										INDOOR UNIT ELECTRICAL DATA					OUTDOOR UNIT ELECTRICAL DATA					EER	DISCHARGE dB (500 Hz)	RADIATED dB (500Hz)	REMARKS
						ESP (IN WG)	FAN TYPE	BHP	RPM	HP	FANS	EAT DB (°F)	LAT DB (°F)	MBH	GPM	FLUID TYPE	EWT (°F)	LWT (°F)	WPD (FT)	MIN ROWS	EAT DB	EAT WB	LAT DB	LAT WB	TOTAL MBH	SENSIBLE MBH	SAT SUCTION T°	REF TYPE	MAX FACE VELOCITY	VOLT	PH	HZ	MCA	MOCP	VOLT	PH	HZ	MCA	MOCP				
AHU-1-1	B WING	B WING	ACCU-AHU-1-1	3,200	800	1.75	AF	2.32	2,172	4	1	44.0	90.0	164	16.4	WATER	180	160	5.7	2	79.9	66.5	55.3	54.4	119.1	87.0	45.4	R-410	500	208	3	60	11.25	20	208	3	60	38.9	50	11.4	72	43	1, 2, 3, 4
AHU-1-2	A WING	A WING	ACCU-AHU-1-2	3,000	550	1.50	AF	2	2,059	4	1	49.4	90.0	136	13.6	WATER	180	160	4	2	79.1	65.8	54.0	53.1	114.2	83.1	44.2	R-410	500	208	3	60	11.25	20	208	3	60	38.9	50	11	71	42	1, 2, 3, 4
AHU-1-3	OFFICE WING	OFFICE WING	ACCU-AHU-1-3	4,800	1,750	2.00	AF	1.9/ea	2,468	2@4	2	34.7	90.0	295	29.5	WATER	180	160	5.2	2	81.9	68.1	55.3	54.4	205.6	141	45.8	R-410	500	208	3	60	19.4	25	208	3	60	66.1	90	11.1	71	43	1, 2, 3, 4

1. PROVIDE DISCONNECT SWITCHES INTEGRAL TO THE INDOOR AND OUTDOOR UNIT.
2. UNIT TO BE PROVIDED WITH A HEPA FILTER.
3. UNIT TO FIT THROUGH A 3'-0" DOOR.
4. PROVIDE UNIT WITH EC MOTOR WITH 0-10V INPUT FROM BMS FOR SPEED CONTROL, AND SOFT START.

EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVICE	TYPE	FLUID	ACCEPTANCE VOLUME (GAL)	SIZE VOLUME	FILL PRESS (PSIG)	RELIEF VALVE SETTING (PSIG)	MANUFACTURER & MODEL#	REMARKS
ET-1-1	MECH RM	HHWS/R	DIAPHRAGM	WATER	22.6	55.7	12.0	30.0	VERTICAL – DIAPHRAGM	

PUMP SCHEDULE

TAG	LOCATION	SERVICE	FLUID	GPM	FT HD	NPSH (FT)	EFF	ELECTRICAL					MANUFACTURER & MODEL#	REMARKS
								HP	VOLT	PH	HZ	RPM		
P-1-1A	MECH RM	NORTH WING	WATER	33	64	4	42	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-1-1B	MECH RM	NORTH WING	WATER	33	64	4	42	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-1-2A	MECH RM	EAST WING	WATER	33	59	4	44	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-1-2B	MECH RM	EAST WING	WATER	33	59	4	44	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-1-3A	MECH RM	OFFICE WING	WATER	50	56	4.4	53	2	208	1	60	3,450	CIRCULATOR TYPE PUMP	
P-1-3B	MECH RM	OFFICE WING	WATER	50	56	4.4	53	2	208	1	60	3,450	CIRCULATOR TYPE PUMP	

REGISTER, GRILLE AND DIFFUSER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	FACE SIZE	NECK SIZE	PATTERN	APD (IN WG)	MAX NC	REMARKS
S-1-1	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	18	1
S-1-2	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	17	1
S-1-3	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	18	
S-1-4	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	0-100	12x12	6x6	4-WAY	0.089	19	
S-1-5	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	101-200	15x15	9x9	4-WAY	0.089	22	
S-1-6	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	201-325	18x18	12x12	4-WAY	0.089	20	
S-1-7	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	326-470	21x21	15x15	4-WAY	0.050	20	
R-1-1	SEE DWG	RETURN AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	20	1
R-1-2	SEE DWG	RETURN AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	19	1
R-1-3	SEE DWG	RETURN AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	20	1
R-1-4	SEE DWG	RETURN AIR	MINIMUM SECURITY	0-75	12x12	6x6	N/A	0.050	12	
R-1-5	SEE DWG	RETURN AIR	MINIMUM SECURITY	75-170	15x15	9x9	N/A	0.050	14	
R-1-6	SEE DWG	RETURN AIR	MINIMUM SECURITY	170-300	18x18	12x12	N/A	0.050	19	
R-1-7	SEE DWG	RETURN AIR	MINIMUM SECURITY	300-470	21x21	15x15	N/A	0.050	22	
R-1-8	SEE DWG	RETURN AIR	MINIMUM SECURITY	471-525	24x24	18x18	N/A	0.050	22	
R-1-9	SEE DWG	RETURN AIR	MINIMUM SECURITY	526-800	22x22	20x20	N/A	0.050	20	
E-1-1	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	20	1
E-1-2	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	19	1
E-1-3	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	20	1
E-1-4	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	0-75	12x12	6x6	N/A	0.050	12	
E-1-5	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	75-170	15x15	9x9	N/A	0.050	14	
E-1-6	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	170-300	18x18	12x12	N/A	0.050	19	
E-1-7	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	300-470	21x21	15x15	N/A	0.050	22	

1. DIFFUSER/GRILLE TO BE ANTI-LIGATURE TYPE COMPLYING TO CALIFORNIA TITLE 24.

HYDRONIC UNIT AND CABINET UNIT HEATER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	MBH	CFM	THROW (FT)	EAT (°F)	LAT (°F)	HOT WATER DATA					FAN MOTOR DATA				MOUNTING HEIGHT (FT)	REMARKS
									GPM	FLUID TYPE	EWT (°F)	LWT (°F)	WPD (FT)	RPM	HP	VOLT	PH		
CUH-1-1	VESTIBULE	VESTIBULE	CEILING RECESSED	13.9	230	–	60	125	1.0	WATER	180	160	0.06	1,050	1/15	120	1	CEILING RECESSED	
UH-1-1	BOILER RM	BOILER RM	HORIZONTAL UNIT HEATER	6.9	245	20	60	90	0.8	WATER	180	160	0.80	1,550	16W	120	1	7'	

EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	TSP (IN WG)	BHP	FAN MOTOR DATA				MANUFACTURER & MODEL#	REMARKS
							RPM	HP	VOLT	PH		
EF-1-1	WING B	TOILET EXHAUST	INLINE	550	0.5	–	1,200	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-1-2	WING A	TOILET EXHSAUST	INLINE	350	0.5	–	1,550	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-1-3	OFFICE WING	TOILET EXHAUST	INLINE	400	0.5	–	1,550	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-1-4	OFFICE WING	AHU-1-3 RELIEF AIR	INLINE	1,200	0.25	–	1,725	1/2	120	3	CENTRIFUGAL SQUARE	1
EF-1-5	WING A	AHU-1-2 RELIEF AIR	INLINE	900	0.5	–	1,200	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
RF-1-1	WING A	AHU-1-1 ECONOMIZER	INLINE	3,050	0.5	–	1,725	1.0	120	1	CENTRIFUGAL SQUARE	1, 2
RF-1-2	WING A	AHU-1-2 ECONOMIZER	INLINE	3,050	0.5	–	1,725	1.0	120	1	CENTRIFUGAL SQUARE	1, 2
RF-1-3	WING A	AHU-1-3 RELIEF AIR	INLINE	3,600	0.5	–	1,451	2.0	208	3	CENTRIFUGAL SQUARE	1, 2

1. PROVIDE INTEGRAL DISCONNECT SWITCH WITH FAN.
2. PROVIDE BACKDRAFT DAMPER WITH EXHAUST FAN.

GRAVITY VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	SIZE	THROAT AREA (FT^2)	PRESSURE DROP (IN WG)	MANUFACTURER & MODEL#	REMARKS
GRV-1-1	ROOF	EF-1-1	GRAVITY VENT	750	30X30	6.00	0.002	GRAVITY RELIEF VENT	1
GRV-1-2	ROOF	EF-1-2	GRAVITY VENT	900	14X14	1.00	0.074	GRAVITY RELIEF VENT	1
GRV-1-3	ROOF	EF-1-3	GRAVITY VENT	1,500	24X24	4.00	0.024	GRAVITY RELIEF VENT	1
GRV-1-4	ROOF	EF-1-4	GRAVITY VENT	400	28X28	5.00	0.001	GRAVITY RELIEF VENT	1

1. PROVIDE BIRD SCREEN WITH UNIT.

FIN TUBE RADIATION SCHEDULE

TAG	LOCATION	SERVICE	TYPE	GPM	FLUID TYPE	AVERAGE WT (°F)	MBH/FT	SIZE	REMARKS
FT-1-1	SEE DWG	HEATING	SECURITY ENCLOSURE	1.0	WATER	170	950	3/4" 4.125" SQ FIN @40 F.P.FT.	1, 2

1. PROVIDE WALL TO WALL PERFORATED ANTI-LIGAGURE SECURITY ENCLOSURE
2. PROVIDE 18 INCH ENCLOSURE TYPE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
HVAC

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

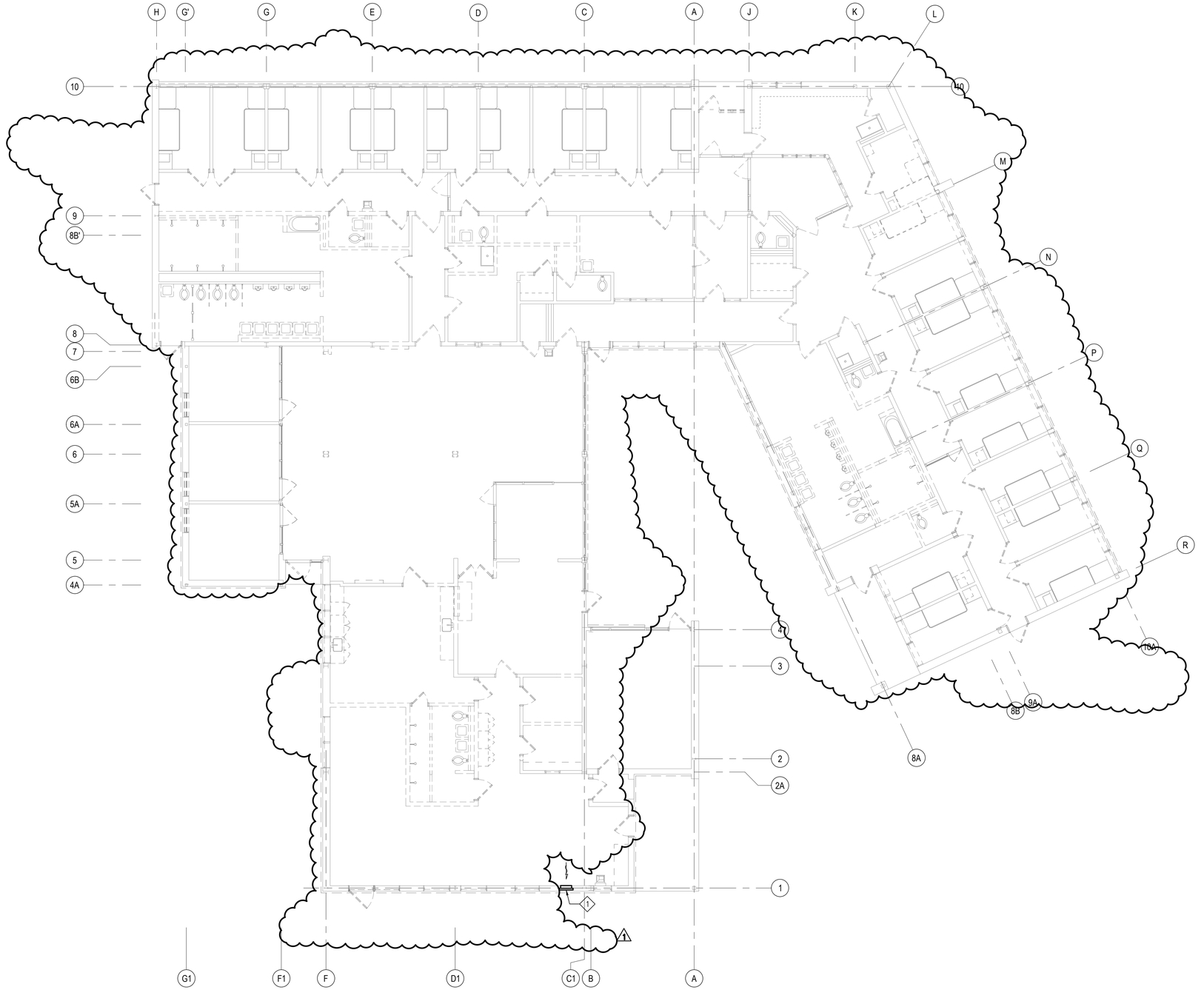
PROJECT NUMBER:	45679 – H
DESIGNED BY:	DB
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FIELD CHECK:	
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SHEET TITLE:
BUILDING 77 HVAC SCHEDULES

DRAWING NUMBER:
M-1601

SHEET OF

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36x24 PLOT SHEET



GENERAL NOTES

1. IF EQUIPMENT IS TO BE KEPT BY DIRECTOR'S REPRESENTATIVE, EQUIPMENT IS TO BE REMOV'ED WITH CARE TO PRESERVE CONDITION.
2. PATCH AND SEAL ANY OPENINGS NOT TO BE REUSED AS A RESULT OF REMOVAL WORK.

CODED NOTES

1 DISCONNECT AND REMOVE WEATHER CAP, PAN, CONTROLS, AND ALL ASSOCIATED APPURTENANCES.

BUILDING 78 HVAC REMOVAL PLAN

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

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CONTRACT:

HVAC

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - M
DESIGNED BY:	DB
DRAWN BY:	CTH/DB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

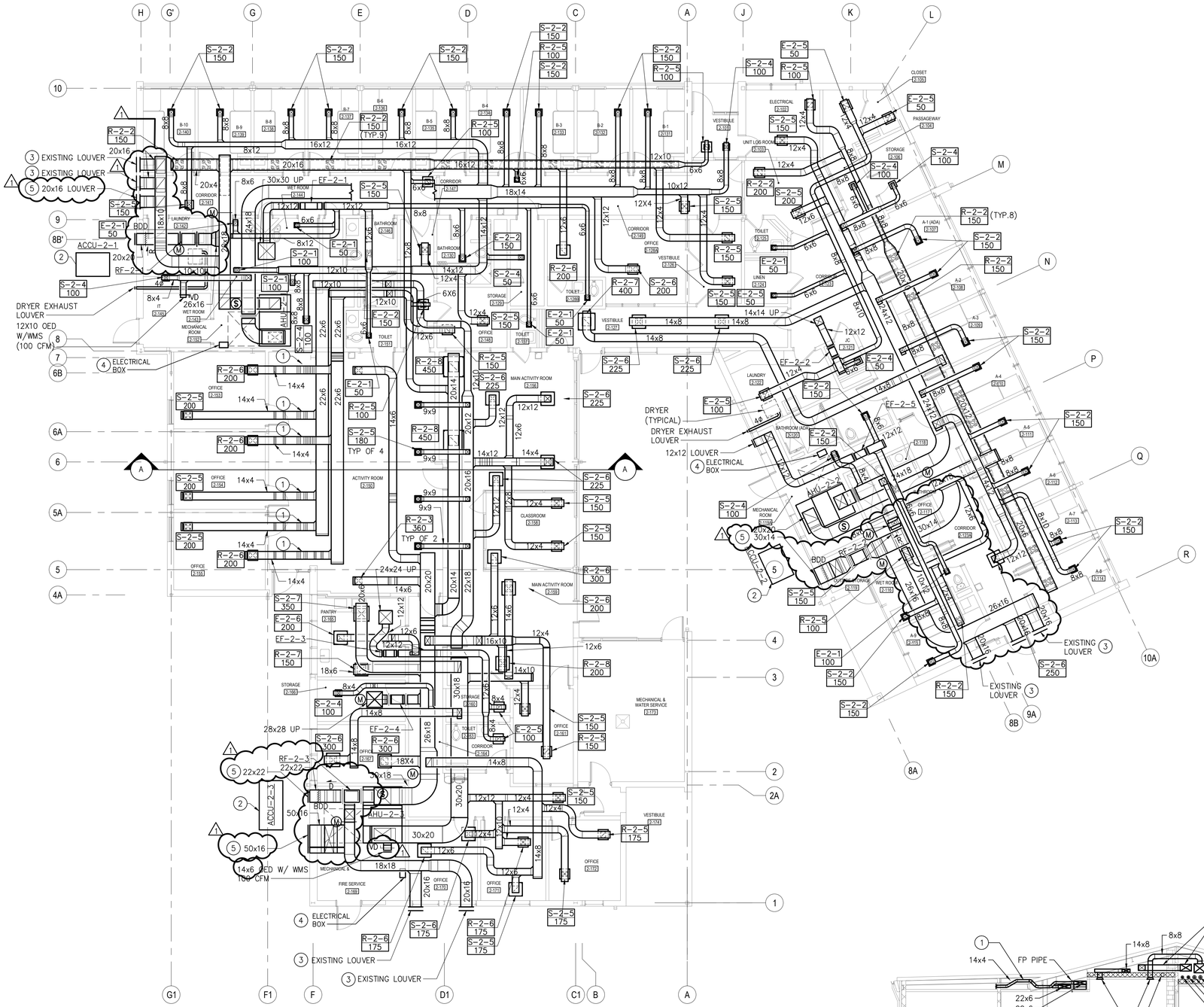
BUILDING 78 HVAC REMOVAL PLAN

DRAWING NUMBER:

M-2101

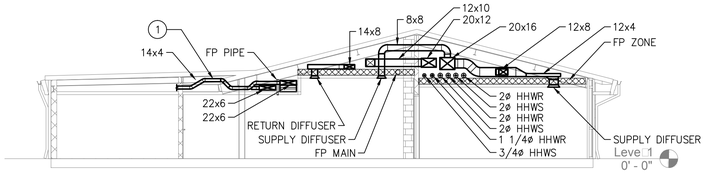
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BUILDING 78 HVAC DUCTWORK FLOOR PLAN

SCALE: 1/8" = 1'-0"



BUILDING 78 ACTIVITY ROOM SECTION A-A

SCALE: 1/8"=1'-0"

GENERAL NOTES

1. REFER TO SECTION 23.3301.2 FOR VOLUME DAMPER REQUIREMENT.
2. COORDINATE HOUSE KEEPING PAD SIZES WITH PURCHASED MECHANICAL EQUIPMENT.

CODED NOTES

1. ROUTE DUCTWORK TIGHT TO ROOF DECK BEFORE DROPPING TO SERVE ROOM.
2. PROVIDE CONCRETE HOUSE KEEPING PAD FOR ACCU UNITS AT FULL SIZE OF FENCE ENCLOSURE.
3. CONNECT DUCTWORK TO EXISTING LOUVER AT FULL SIZE OF LOUVER.
4. ELECTRICAL BOX TO BE PROVIDED WITH AHU AS REQUIRED BY MANUFACTURER

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - H
DESIGNED BY:	DB
DRAWN BY:	CTH/DB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 78 HVAC DUCTWORK FLOOR PLAN

DRAWING NUMBER: M-2102

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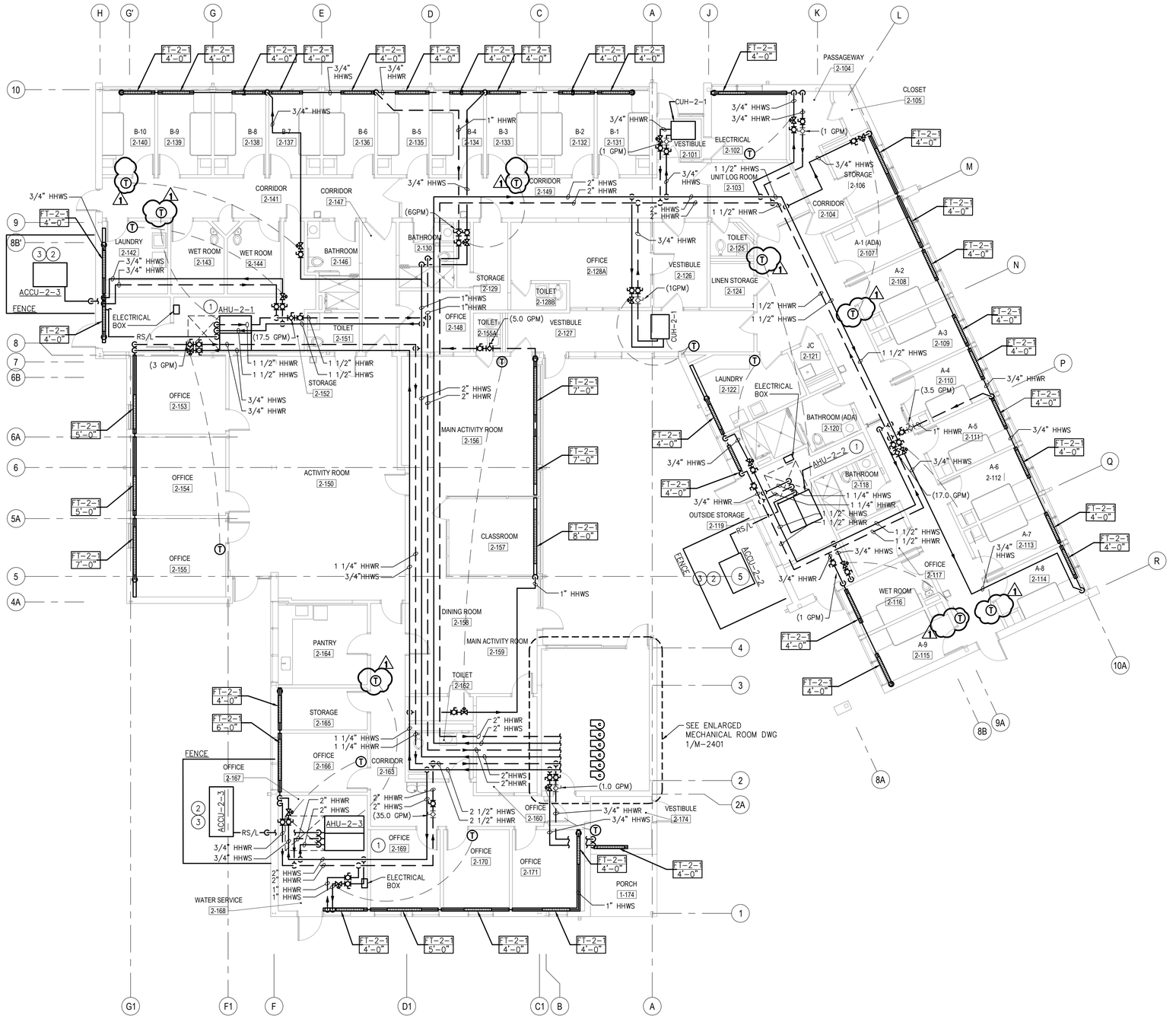
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36x24 PLOT SHEET

GENERAL NOTES

1. PIPING BETWEEN RESIDENT ROOMS TO REUSE EXISTING WALL PENETRATIONS.
2. CONTRACTOR IS TO PROVIDE REFRIGERANT AND FILL AS REQUIRED FOR START-UP.

CODED NOTES

1. ROUTE 3/4 CONDENSATE TO FLOOR DRAIN IN MECHANICAL ROOM. COORDINATE WITH P-CONTRACT FOR LOCATION OF DRAIN.
2. PROVIDE REFRIGERANT PIPING BETWEEN RESPECTIVE AHU AND ACCU UNITS.
3. REFRIGERANT PIPING TO BE SIZED PER MANUFACTURER.



BUILDING 78 HVAC PIPING FLOOR PLAN

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

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CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - H
DESIGNED BY:	DB
DRAWN BY:	DB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: BUILDING 78 HVAC PIPING FLOOR PLAN

DRAWING NUMBER: M-2103

SHEET OF

AIR HANDLING UNIT SCHEDULE

TAG	LOCATION	SERVICE	ASSOCIATED CONDENSING UNIT	CFM	OA CFM	SUPPLY FAN MOTOR DATA						HEATING COIL								DX COIL DATA									INDOOR UNIT ELECTRICAL DATA					OUTDOOR UNIT ELECTRICAL DATA					EER	DISCHARGE dB (500 Hz)	RADIATED dB (500Hz)	REMARKS
						ESP (IN WG)	FAN TYPE	BHP	RPM	HP	FANS	EAT DB (°F)	LAT DB (°F)	MBH	GPM	FLUID TYPE	EWT (°F)	LWT (°F)	WPD (FT)	MIN ROWS	EAT DB	EAT WB	LAT DB	LAT WB	TOTAL MBH	SENSIBLE MBH	SAT SUCTION T°	REF TYPE	MAX FACE VELOCITY	VOLT	PH	HZ	MCA	MOCP	VOLT	PH	HZ	MCA	MOCP				
AHU-2-1	B WING	B WING	ACCU-AHU-2-1	3,200	800	1.75	AF	2.32	2,172	4	1	44.0	90.0	164	16.4	WATER	180	160	5.7	2	79.9	66.5	55.3	54.4	119.1	87.0	45.4	R-410	500	208	3	60	11.25	20	208	3	60	38.9	50	11.4	72	43	1, 2, 3, 4
AHU-2-2	A WING	A WING	ACCU-AHU-2-2	3,000	550	1.50	AF	2	2,059	4	1	49.4	90.0	136	13.6	WATER	180	160	4	2	79.1	65.8	54.0	53.1	114.2	83.1	44.2	R-410	500	208	3	60	11.25	20	208	3	60	38.9	50	11	71	42	1, 2, 3, 4
AHU-2-3	OFFICE WING	OFFICE WING	ACCU-AHU-2-3	4,800	1,750	2.00	AF	1.9/ea	2,468	2@4	2	34.7	90.0	295	29.5	WATER	180	160	5.2	2	81.9	68.1	55.3	54.4	205.6	141	45.8	R-410	500	208	3	60	19.4	25	208	3	60	66.1	90	11.1	71	43	1, 2, 3, 4

1. PROVIDE DISCONNECT SWITCH INTEGRAL TO THE INDOOR AND OUTDOOR UNIT.
2. UNIT TO BE PROVIDED WITH A HEPA FILTER.
3. UNIT TO FIT THROUGH A 3'-0" DOOR.
4. PROVIDE UNIT WITH EC MOTOR WITH 0-10V INPUT FROM BMS FOR SPEED CONTROL, AND SOFT START.

EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVICE	TYPE	FLUID	ACCEPTANCE VOLUME (GAL)	SIZE VOLUME	FILL PRESS (PSIG)	RELIEF VALVE SETTING (PSIG)	MANUFACTURER & MODEL#	REMARKS
ET-2-1	MECH RM	HHWS/R	DIAPHRAGM	WATER	22.6	55.7	12.0	30.0	VERTICAL - DIAPHRAGM	

PUMP SCHEDULE

TAG	LOCATION	SERVICE	FLUID	GPM	FT HD	NPSH (FT)	EFF	ELECTRICAL					MANUFACTURER & MODEL#	REMARKS
								HP	VOLT	PH	HZ	RPM		
P-2-1A	MECH RM	NORTH WING	WATER	33	64	4	42	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-2-1B	MECH RM	NORTH WING	WATER	33	64	4	42	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-2-2A	MECH RM	EAST WING	WATER	33	59	4	44	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-2-2B	MECH RM	EAST WING	WATER	33	59	4	44	2	208	1	60	1,750	CIRCULATOR TYPE PUMP	
P-2-3A	MECH RM	OFFICE WING	WATER	50	56	4.4	53	2	208	1	60	3,450	CIRCULATOR TYPE PUMP	
P-2-3B	MECH RM	OFFICE WING	WATER	50	56	4.4	53	2	208	1	60	3,450	CIRCULATOR TYPE PUMP	

REGISTER, GRILLE AND DIFFUSER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	FACE SIZE	NECK SIZE	PATTERN	APD (IN WG)	MAX NC	REMARKS
S-2-1	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	18	1
S-2-2	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	17	1
S-2-3	SEE DWG	SUPPLY AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	18	
S-2-4	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	0-100	12x12	6x6	4-WAY	0.089	19	
S-2-5	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	101-200	15x15	9x9	4-WAY	0.089	22	
S-2-6	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	201-325	18x18	12x12	4-WAY	0.089	20	
S-2-7	SEE DWG	SUPPLY AIR	MINIMUM SECURITY	326-470	21x21	15x15	4-WAY	0.050	20	
R-2-1	SEE DWG	RETURN AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	20	1
R-2-2	SEE DWG	RETURN AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	19	1
R-2-3	SEE DWG	RETURN AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	20	1
R-2-4	SEE DWG	RETURN AIR	MINIMUM SECURITY	0-75	12x12	6x6	N/A	0.050	12	
R-2-5	SEE DWG	RETURN AIR	MINIMUM SECURITY	75-170	15x15	9x9	N/A	0.050	14	
R-2-6	SEE DWG	RETURN AIR	MINIMUM SECURITY	170-300	18x18	12x12	N/A	0.050	19	
R-2-7	SEE DWG	RETURN AIR	MINIMUM SECURITY	300-470	21x21	15x15	N/A	0.050	22	
R-2-8	SEE DWG	RETURN AIR	MINIMUM SECURITY	471-525	24x24	18x18	N/A	0.050	22	
R-2-9	SEE DWG	RETURN AIR	MINIMUM SECURITY	526-800	22x22	20x20	N/A	0.050	20	
E-2-1	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	0-125	8x8	6x6	N/A	0.016	20	1
E-2-2	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	126-200	10x10	8x8	N/A	0.013	19	1
E-2-3	SEE DWG	EXHAUST AIR	MAXIMUM SECURITY	313-400	14x14	12x12	N/A	0.010	20	1
E-2-4	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	0-75	12x12	6x6	N/A	0.050	12	
E-2-5	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	75-170	15x15	9x9	N/A	0.050	14	
E-2-6	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	170-300	18x18	12x12	N/A	0.050	19	
E-2-7	SEE DWG	EXHAUST AIR	MINIMUM SECURITY	300-470	21x21	15x15	N/A	0.050	22	

1. DIFFUSER/GRILLE TO BE ANTI-LIGATURE TYPE COMPLYING TO CALIFORNIA TITLE 24.

HYDRONIC UNIT AND CABINET UNIT HEATER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	MBH	CFM	THROW (FT)	EAT (°F)	LAT (°F)	HOT WATER DATA					FAN MOTOR DATA				MOUNTING HEIGHT (FT)	REMARKS
									GPM	FLUID TYPE	EWT (°F)	LWT (°F)	WPD (FT)	RPM	HP	VOLT	PH		
CUH-2-1	VESTIBULE	VESTIBULE	CEILING RECESSED	13.9	230	-	60	125	1.0	WATER	180	160	0.06	1,050	1/15	120	1	CEILING RECESSED	
UH-2-1	BOILER RM	BOILER RM	HORIZONTAL UNIT HEATER	6.9	245	20	60	90	0.8	WATER	180	160	0.80	1,550	16W	120	1	7'	

EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	TSP (IN WG)	BHP	FAN MOTOR DATA				MANUFACTURER & MODEL#	REMARKS
							RPM	HP	VOLT	PH		
EF-2-1	WING B	TOILET EXHAUST	INLINE	550	0.5	-	1,200	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-2-2	WING A	TOILET EXHSAUST	INLINE	350	0.5	-	1,550	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-2-3	OFFICE WING	TOILET EXHAUST	INLINE	400	0.5	-	1,550	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
EF-2-4	OFFICE WING	AHU-2-3 RELIEF AIR	INLINE	1,200	0.25	-	1,725	1/2	120	3	CENTRIFUGAL SQUARE	1
EF-2-5	WING B	AHU-2-2 RELIEF AIR	INLINE	800	0.5	-	1,200	1/6	120	1	CENTRIFUGAL SQUARE	1, 2
RF-2-1	WING A	AHU-1-1 ECONOMIZER	INLINE	3,050	0.5	-	1,725	1.0	120	1	CENTRIFUGAL SQUARE	1, 2
RF-2-2	WING A	AHU-1-2 ECONOMIZER	INLINE	3,050	0.5	-	1,725	1.0	120	1	CENTRIFUGAL SQUARE	1, 2
RF-2-3	WING A	AHU-1-3 RELIEF AIR	INLINE	3,600	0.5	-	1,451	2.0	208	3	CENTRIFUGAL SQUARE	1, 2

1. PROVIDE INTEGRAL DISCONNECT SWITCH WITH FAN.
2. PROVIDE BACKDRAFT DAMPER WITH EXHAUST FAN.

GRAVITY VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	SIZE	THROAT AREA (FT^2)	PRESSURE DROP (IN WG)	MANUFACTURER & MODEL#	REMARKS
GRV-2-1	ROOF	EF-2-1	GRAVITY VENT	750	30X30	6.00	0.002	GRAVITY RELIEF VENT	1
GRV-2-2	ROOF	EF-2-2	GRAVITY VENT	900	14X14	1.00	0.074	GRAVITY RELIEF VENT	1
GRV-2-3	ROOF	EF-2-3	GRAVITY VENT	1,500	24X24	4.00	0.024	GRAVITY RELIEF VENT	1
GRV-2-4	ROOF	EF-2-4	GRAVITY VENT	400	28X28	5.00	0.001	GRAVITY RELIEF VENT	1

1. PROVIDE BIRD SCREEN WITH UNIT.

FIN TUBE RADIATION SCHEDULE

TAG	LOCATION	SERVICE	TYPE	GPM	FLUID TYPE	AVERAGE WT (°F)	MBH/FT	SIZE	REMARKS
FT-2-1	SEE DWG	HEATING	SECURITY ENCLOSURE	1.0	WATER	170	950	3/4" 4.125" SQ FIN @40 F.P.FT.	1, 2

1. PROVIDE WALL TO WALL PERFORATED ANTI-LIGAGURE SECURITY ENCLOSURE
2. PROVIDE 18 INCH ENCLOSURE TYPE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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CONTRACT:
HVAC

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	**FINAL SUBMISSION**

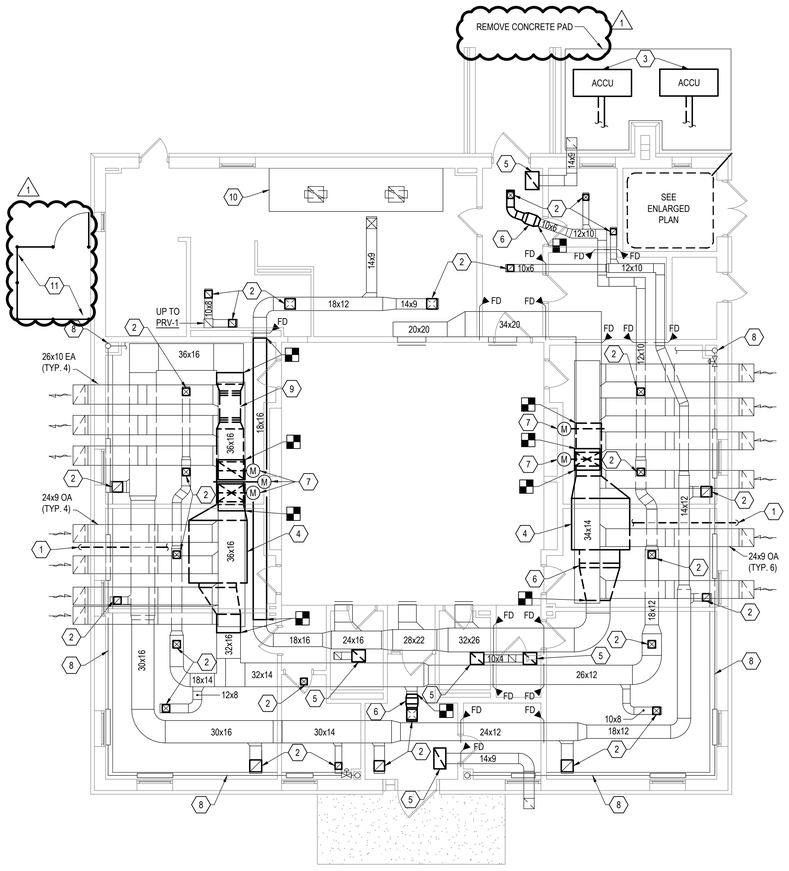
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DESIGNED BY:	DB
DRAWN BY:	DB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 HVAC SCHEDULES

DRAWING NUMBER:
M-2601

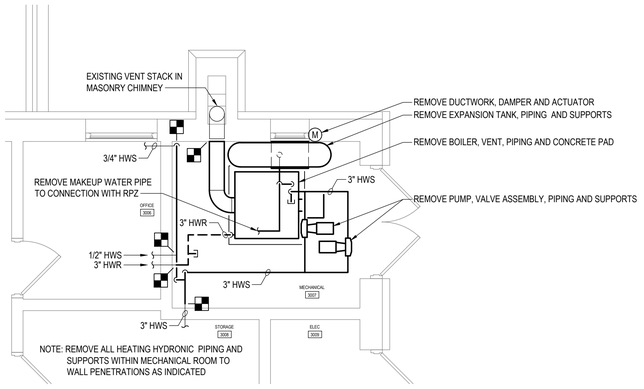
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36x24 PLOT SHEET



BUILDING 80 MECHANICAL REMOVAL PLAN

SCALE: 1/8" = 1'-0"



MECHANICAL ROOM ENLARGED REMOVAL PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL SITE ACCESS MUST BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
2. EXISTING BUILDING MANAGEMENT SYSTEM TO BE REPLACED IN ITS ENTIRETY. REMOVE ALL CONTROL PANELS, SENSORS AND THERMOSTATS.
3. COORDINATE ALL OPENING OF WALLS AND CEILINGS FOR UNIT REMOVAL AND REPLACEMENT WITH THE C-CONTRACTOR.
4. H-CONTRACT IS RESPONSIBLE FOR REMOVAL OF INTERIOR AND EXTERIOR CONCRETE PADS, AND CHAIN LINK FENCE SURROUNDING THE CONDENSING UNITS.
5. ALL EXISTING DUCTWORK TO BE CLEANED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.

KEYED NOTES

1. REMOVE CONDENSATE LINE AND EXTERIOR PIPE DROP TO GRADE.
2. REMOVE REGISTER AND PREPARE EXISTING DUCTWORK FOR REPLACEMENT REGISTER.
3. REMOVE CONDENSING UNIT, ALL ASSOCIATED REFRIGERANT LINES, PIPE SUPPORTS, CONCRETE PADS AND SURROUNDING FENCING.
4. REMOVE AIR HANDLING UNIT, ASSOCIATED REFRIGERANT LINES, CONDENSATE LINE AND HOT WATER VALVE PACKAGE.
5. REMOVE EXHAUST FAN. PREPARE EXISTING DUCTWORK FOR REPLACEMENT FAN.
6. REMOVE DUCT HOT WATER COIL AND ASSOCIATED VALVE PACKAGE.
7. REMOVE MOTORIZED DAMPER. PREPARE EXISTING DUCTWORK FOR REPLACEMENT DAMPER.
8. EXISTING PERIMETER FIN TUBE AND ENCLOSURES TO REMAIN.
9. REMOVE RETURN FAN. PREPARE EXISTING DUCTWORK FOR REPLACEMENT FAN.
10. EXISTING KITCHEN HOOD AND EXHAUST SYSTEM TO REMAIN.
11. REMOVE FENCE MESH AND TOP RAIL. FENCE POSTS TO REMAIN.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

HVAC

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - H
DESIGNED BY:	TAH
DRAWN BY:	TAH
FIELD CHECK:	–
APPROVED:	–

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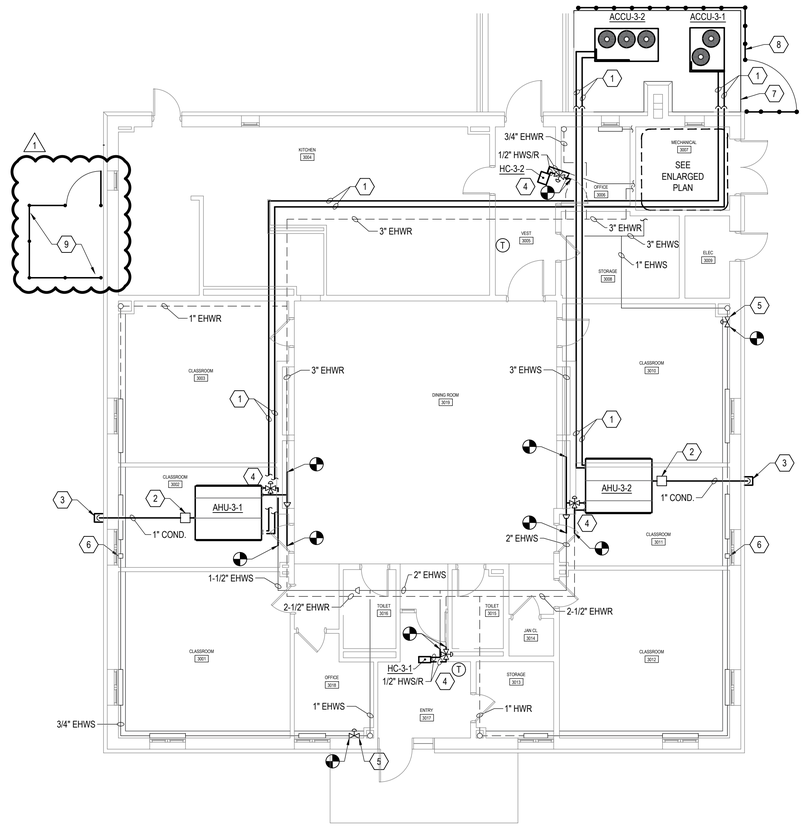
BUILDING 80
MECHANICAL
REMOVAL PLAN

DRAWING NUMBER:

M-3101

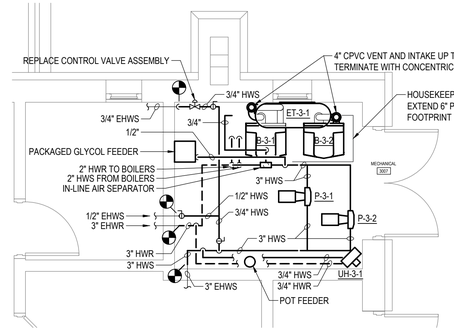
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SAVED: 9/21/2017 2:42:03 PM PLOTTED: 9/21/2017 3:15:15 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 80 PIPING PLAN

SCALE: 1/8" = 1'-0"



MECHANICAL ROOM PIPING PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL SITE ACCESS MUST BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
2. COORDINATE ALL OPENING OF WALLS AND CEILINGS FOR UNIT REMOVAL AND REPLACEMENT WITH THE C-CONTRACTOR
3. COORDINATE FINAL AIR HANDLER AND FAN LOCATIONS WITH THE C-CONTRACTOR FOR ACCESS PANEL LOCATIONS.
4. EXISTING PERIMETER FIN TUBE AND ENCLOSURES TO REMAIN.
5. H-CONTRACT IS RESPONSIBLE FOR CONCRETE PADS AND CHAIN LINK FENCE SURROUNDING THE CONDENSING UNITS.

KEYED NOTES

1. PROVIDE REFRIGERANT LINES SET SIZED PER UNIT MANUFACTURER'S RECOMMENDATIONS. EACH SPLIT SYSTEM HAS TWO DX CIRCUITS.
2. 1" CONDENSATE LINE WITH HIGH WATER-LEVEL DETECTION SENSOR AT DRAIN PAN OUTLET.
3. 1" CONDENSATE LINE DOWN EXTERIOR OF BUILDING TERMINATING 12" ABOVE GRADE . PROVIDE WEATHERPROOF PENETRATION AT SOFFIT. PROVIDE 16 GA. STEEL SECURITY ENCLOSURE THE ENTIRE LENGTH OF PIPE. SECURE ENCLOSURE TO BUILDING WITH 21 GAUGE SPRING SHIELD CLIPS. CAP VOID BETWEEN PIPE AND ENCLOSURE AT POINT OF TERMINATION TO PREVENT POTENTIAL HIDING OF OBJECTS WITHIN. FINISH ENCLOSURE WITH WEATHERPROOF PAINTED OR EPOXY FINISH, COORDINATE COLOR WITH DIRECTORS REPRESENTATIVE
4. PROVIDE HEATING COIL VALVE PACKAGE AS SHOWN ON DETAILS SHEET M-3601.
5. REPLACE 2-WAY CONTROL VALVE.
6. REPLACE EXISTING EXPANSION COMPENSATOR.
7. PROVIDE CONCRETE PAD, SEE DRAWINGS M-7502 & M-7503.
8. PROVIDE CHAIN LINK SECURITY FENCE AROUND CONDENSING UNITS, SEE DRAWINGS M-7502 & M-7503.
9. PROVIDE CHAIN LINK SECURITY FENCE MESH AND TOP RAIL AROUND CONDENSING UNITS. EXISTING FENCE POSTS TO REMAIN. SEE DRAWINGS M-7502 & M-7503.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT:

HVAC

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH–SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - H
DESIGNED BY:	TAH
DRAWN BY:	TAH
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE:

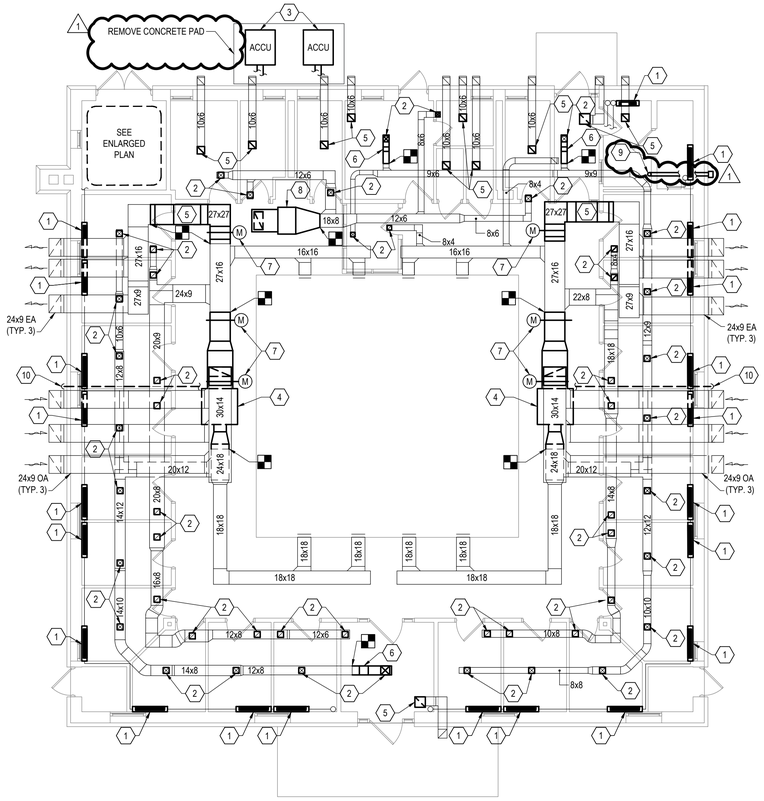
BUILDING 80
PIPING PLAN

DRAWING NUMBER:

M–3201

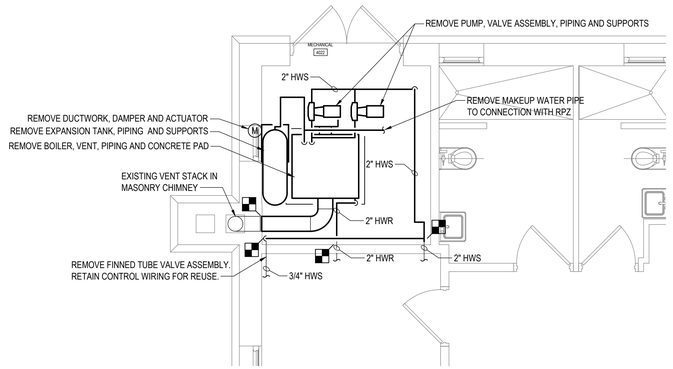
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SAVED: 9/21/2017 2:41:53 PM PLOTTED: 9/21/2017 3:15:20 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 81 MECHANICAL REMOVAL PLAN

SCALE: ############



MECHANICAL ROOM ENLARGED REMOVAL PLAN

SCALE: 1/4" = 1'-0"

NOTE: REMOVE ALL HEATING HYDRONIC PIPING AND SUPPORTS WITHIN MECHANICAL ROOM TO WALL PENETRATIONS AS INDICATED.

GENERAL NOTES

1. ALL SITE ACCESS MUST BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
2. EXISTING BUILDING MANAGEMENT SYSTEM TO BE REPLACED IN ITS ENTIRETY. REMOVE ALL CONTROL PANELS, SENSORS AND THERMOSTATS.
3. COORDINATE ALL OPENING OF WALLS AND CEILINGS FOR UNIT REMOVAL AND REPLACEMENT WITH THE C-CONTRACTOR.
4. H-CONTRACT IS RESPONSIBLE FOR REMOVAL OF CONCRETE PADS AND CHAIN LINK FENCE SURROUNDING THE CONDENSING UNITS.
5. ALL EXISTING DUCTWORK TO BE CLEANED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.

KEYED NOTES

1. REMOVE PERIMETER FIN TUBE ENCLOSURES FOR REPLACEMENT. EXISTING FIN TUBE AND PIPING TO REMAIN.
2. REMOVE REGISTER AND PREPARE EXISTING DUCTWORK FOR REPLACEMENT REGISTER.
3. REMOVE CONDENSING UNIT, ALL ASSOCIATED REFRIGERANT LINES, PIPE SUPPORTS, CONCRETE PADS AND SURROUNDING FENCING.
4. REMOVE AIR HANDLING UNIT AND ASSOCIATED REFRIGERANT LINES AND HOT WATER VALVE PACKAGE.
5. REMOVE EXHAUST FAN. PREPARE EXISTING DUCTWORK FOR REPLACEMENT FAN.
6. REMOVE DUCT HOT WATER COIL AND ASSOCIATED VALVE PACKAGE. PREPARE EXISTING DUCTWORK FOR REPLACEMENT COIL.
7. REMOVE MOTORIZED DAMPER. PREPARE EXISTING DUCTWORK FOR REPLACEMENT DAMPER.
8. REMOVE CABINET UNIT HEATER. COORDINATE CEILING REMOVAL WITH THE C-CONTRACTOR. PREPARE EXISTING DUCTWORK FOR REPLACEMENT HEATER.
9. REMOVE EXISTING DRYER VENT, DUCTWORK AND WALL CAP.
10. REMOVE CONDENSATE LINE AND EXTERIOR PIPE DROP TO GRADE.

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

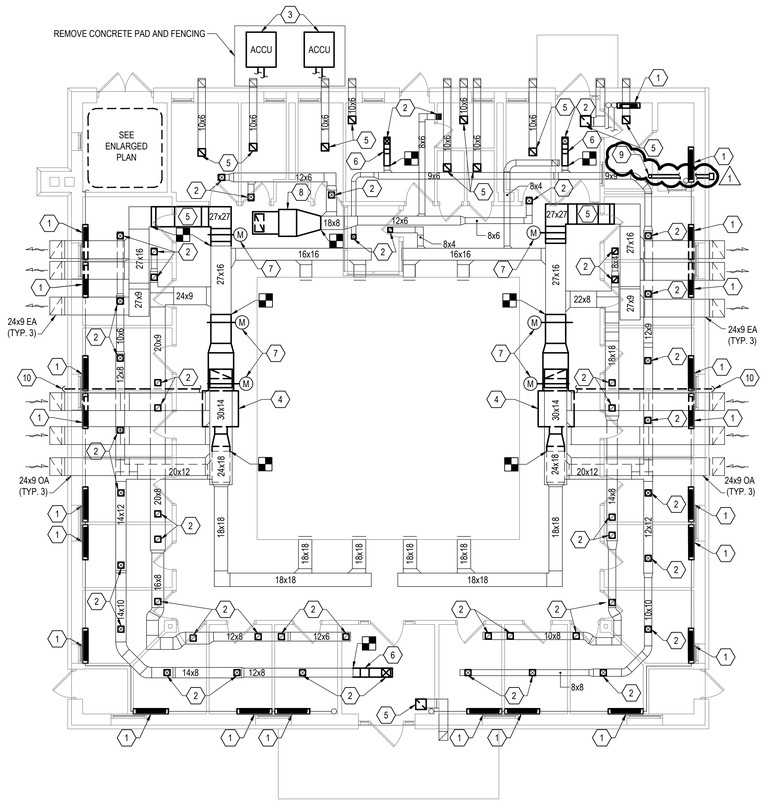
PROJECT NUMBER:	45679 - H
DESIGNED BY:	TAH
DRAWN BY:	TAH
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE: BUILDING 81 MECHANICAL REMOVAL PLAN

DRAWING NUMBER: M-4101

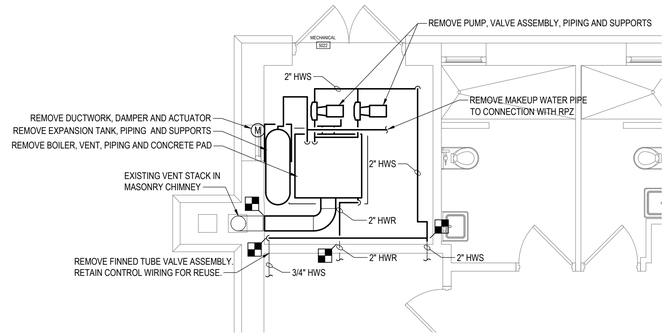
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SAVED: 9/21/2017 2:41:42 PM PLOTTED: 9/21/2017 3:15:25 PM USER: NICHOLAS DELPRADO
36x24 PLOT SHEET



BUILDING 82 MECHANICAL REMOVAL PLAN

SCALE: 1/8" = 1'-0"



MECHANICAL ROOM ENLARGED REMOVAL PLAN

SCALE: 1/4" = 1'-0"

NOTE: REMOVE ALL HEATING HYDRONIC PIPING AND SUPPORTS WITHIN MECHANICAL ROOM TO WALL PENETRATIONS AS INDICATED.

GENERAL NOTES

1. ALL SITE ACCESS MUST BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
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3. COORDINATE ALL OPENING OF WALLS AND CEILINGS FOR UNIT REMOVAL AND REPLACEMENT WITH THE C-CONTRACTOR.
4. H-CONTRACT IS RESPONSIBLE FOR REMOVAL OF CONCRETE PADS AND CHAIN LINK FENCE SURROUNDING THE CONDENSING UNITS.
5. ALL EXISTING DUCTWORK TO BE CLEANED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.

KEYED NOTES

1. REMOVE PERIMETER FIN TUBE ENCLOSURES FOR REPLACEMENT. EXISTING FIN TUBE AND PIPING TO REMAIN.
2. REMOVE REGISTER AND PREPARE EXISTING DUCTWORK FOR REPLACEMENT REGISTER.
3. REMOVE CONDENSING UNIT, ALL ASSOCIATED REFRIGERANT LINES, PIPE SUPPORTS, CONCRETE PADS AND SURROUNDING FENCING.
4. REMOVE AIR HANDLING UNIT AND ASSOCIATED REFRIGERANT LINES AND HOT WATER VALVE PACKAGE.
5. REMOVE EXHAUST FAN. PREPARE EXISTING DUCTWORK FOR REPLACEMENT FAN.
6. REMOVE DUCT HOT WATER COIL AND ASSOCIATED VALVE PACKAGE. PREPARE EXISTING DUCTWORK FOR REPLACEMENT COIL.
7. REMOVE MOTORIZED DAMPER. PREPARE EXISTING DUCTWORK FOR REPLACEMENT DAMPER.
8. REMOVE CABINET UNIT HEATER. COORDINATE CEILING REMOVAL WITH THE C-CONTRACTOR. PREPARE EXISTING DUCTWORK FOR REPLACEMENT HEATER.
9. REMOVE EXISTING DRYER VENT, DUCTWORK AND WALL CAP.
10. REMOVE CONDENSATE LINE AND EXTERIOR PIPE DROP TO GRADE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

Friedman Fisher Associates, P.C.

Engineering and Land Surveying, P.C.

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LICENSED PROFESSIONAL ENGINEER JEFFREY L. MAJOR 073128 STATE OF NEW YORK

CONTRACT: HVAC

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER 375 RUSH-SCOTTSVILLE ROAD RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	09/25/2017	ADDENDUM #1
	08/07/2017	FINAL SUBMISSION

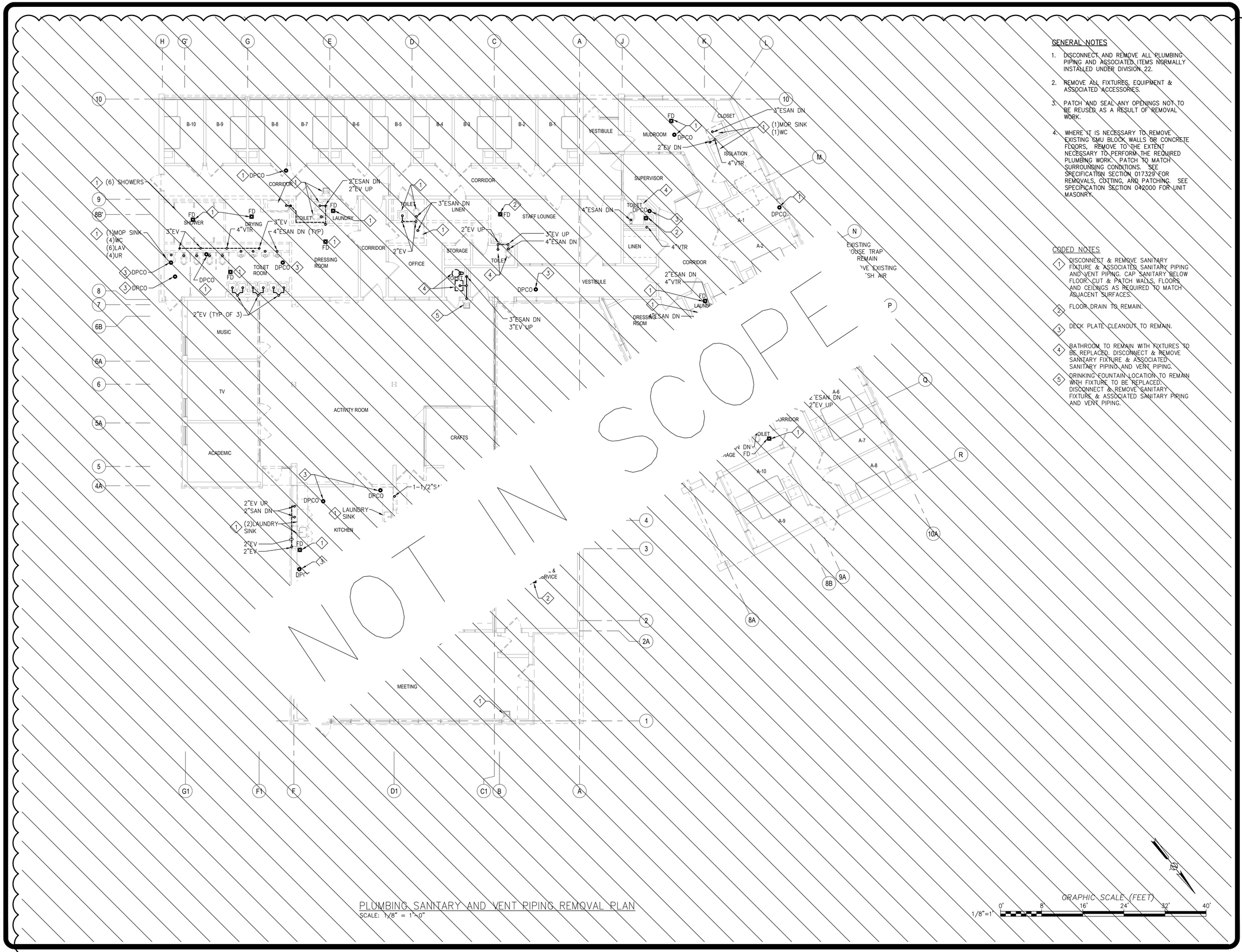
PROJECT NUMBER:	45679 - H
DESIGNED BY:	TAH
DRAWN BY:	TAH
FIELD CHECK:	–
APPROVED:	–

SHEET TITLE: BUILDING 82 MECHANICAL REMOVAL PLAN

DRAWING NUMBER: M-5101

SHEET OF

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SAVED: 9/21/2017 2:41:29 PM
36x24 PLOT SHEET
PLOTTED: 9/21/2017 3:15:30 PM
USER: NICHOLAS DELPRADO



PLUMBING SANITARY AND VENT PIPING REMOVAL PLAN

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL NOTES

1. DISCONNECT AND REMOVE ALL PLUMBING PIPING AND ASSOCIATED ITEMS NORMALLY INSTALLED UNDER DIVISION 22.
2. REMOVE ALL FIXTURES, EQUIPMENT & ASSOCIATED ACCESSORIES.
3. PATCH AND SEAL ANY OPENINGS NOT TO BE REUSED AS A RESULT OF REMOVAL WORK.
4. WHERE IT IS NECESSARY TO REMOVE EXISTING CMU BLOCK WALLS OR CONCRETE FLOORS, REMOVE TO THE EXTENT NECESSARY TO PERFORM THE REQUIRED PLUMBING WORK. PATCH TO MATCH SURROUNDING CONDITIONS. SEE SPECIFICATION SECTION 017329 FOR REMOVALS, CUTTING, AND PATCHING. SEE SPECIFICATION SECTION 042000 FOR UNIT MASONRY.

CODED NOTES

1. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING. CAP SANITARY BELOW FLOOR. CUT & PATCH WALLS, FLOORS AND CEILINGS AS REQUIRED TO MATCH ADJACENT SURFACES.
2. FLOOR DRAIN TO REMAIN.
3. DECK PLATE CLEANOUT TO REMAIN.
4. BATHROOM TO REMAIN WITH FIXTURES TO BE REPLACED. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING.
5. DRINKING FOUNTAIN LOCATION TO REMAIN WITH FIXTURE TO BE REPLACED. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING.

SCOPE
NOT

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CHA

III Winners Circle, PO Box 5269 • Albany, NY 12205-0269

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CONTRACT:

PLUMBING

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – P
DESIGNED BY:	RWD/BPT
DRAWN BY:	RWD/BPT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

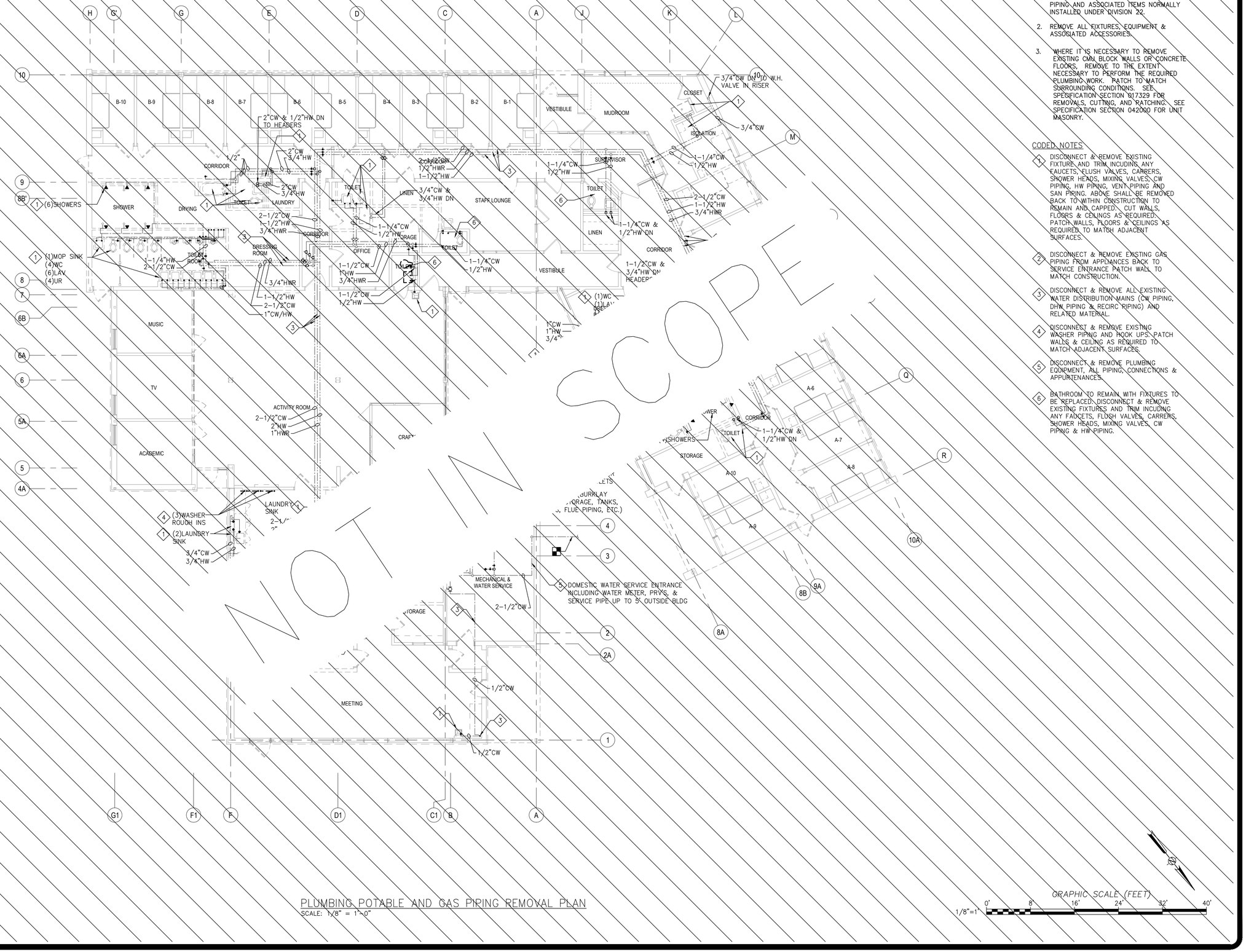
BUILDING 77 PLUMBING SANITARY AND VENT PIPING REMOVAL PLAN

DRAWING NUMBER:

P–1102

SHEET OF

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36x24 PLOT SHEET



PLUMBING POTABLE AND GAS PIPING REMOVAL PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL NOTES

1. DISCONNECT AND REMOVE ALL PLUMBING PIPING AND ASSOCIATED ITEMS NORMALLY INSTALLED UNDER DIVISION 22.
2. REMOVE ALL FIXTURES, EQUIPMENT & ASSOCIATED ACCESSORIES.
3. WHERE IT IS NECESSARY TO REMOVE EXISTING CMU BLOCK WALLS OR CONCRETE FLOORS, REMOVE TO THE EXTENT NECESSARY TO PERFORM THE REQUIRED PLUMBING WORK. PATCH TO MATCH SURROUNDING CONDITIONS. SEE SPECIFICATION SECTION 017329 FOR REMOVALS, CUTTING, AND PATCHING. SEE SPECIFICATION SECTION 042000 FOR UNIT MASONRY.

CODED NOTES

1. DISCONNECT & REMOVE EXISTING FIXTURE AND TRIM, INCUDING ANY FAUCETS, FLUSH VALVES, CARRERS, SHOWER HEADS, MIXING VALVES, CW PIPING, HW PIPING, VENT PIPING AND SAN PIPING. ABOVE SHALL BE REMOVED BACK TO WITHIN CONSTRUCTION TO REMAIN AND CAPPED. CUT WALLS, FLOORS & CEILINGS AS REQUIRED. PATCH WALLS, FLOORS & CEILINGS AS REQUIRED TO MATCH ADJACENT SURFACES.
2. DISCONNECT & REMOVE EXISTING GAS PIPING FROM APPLIANCES BACK TO SERVICE ENTRANCE PATCH WALL TO MATCH CONSTRUCTION.
3. DISCONNECT & REMOVE ALL EXISTING WATER DISTRIBUTION MAINS (CW PIPING, DHW PIPING & RECIRC PIPING) AND RELATED MATERIAL.
4. DISCONNECT & REMOVE EXISTING WASHER PIPING AND HOOK UPS. PATCH WALLS & CEILING AS REQUIRED TO MATCH ADJACENT SURFACES.
5. DISCONNECT & REMOVE PLUMBING EQUIPMENT, ALL PIPING, CONNECTIONS & APPURTENANCES.
6. BATHROOM TO REMAIN WITH FIXTURES TO BE REPLACED. DISCONNECT & REMOVE EXISTING FIXTURES AND TRIM INCUDING ANY FAUCETS, FLUSH VALVES, CARRERS, SHOWER HEADS, MIXING VALVES, CW PIPING & HW PIPING.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT
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CONTRACT:
PLUMBING

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

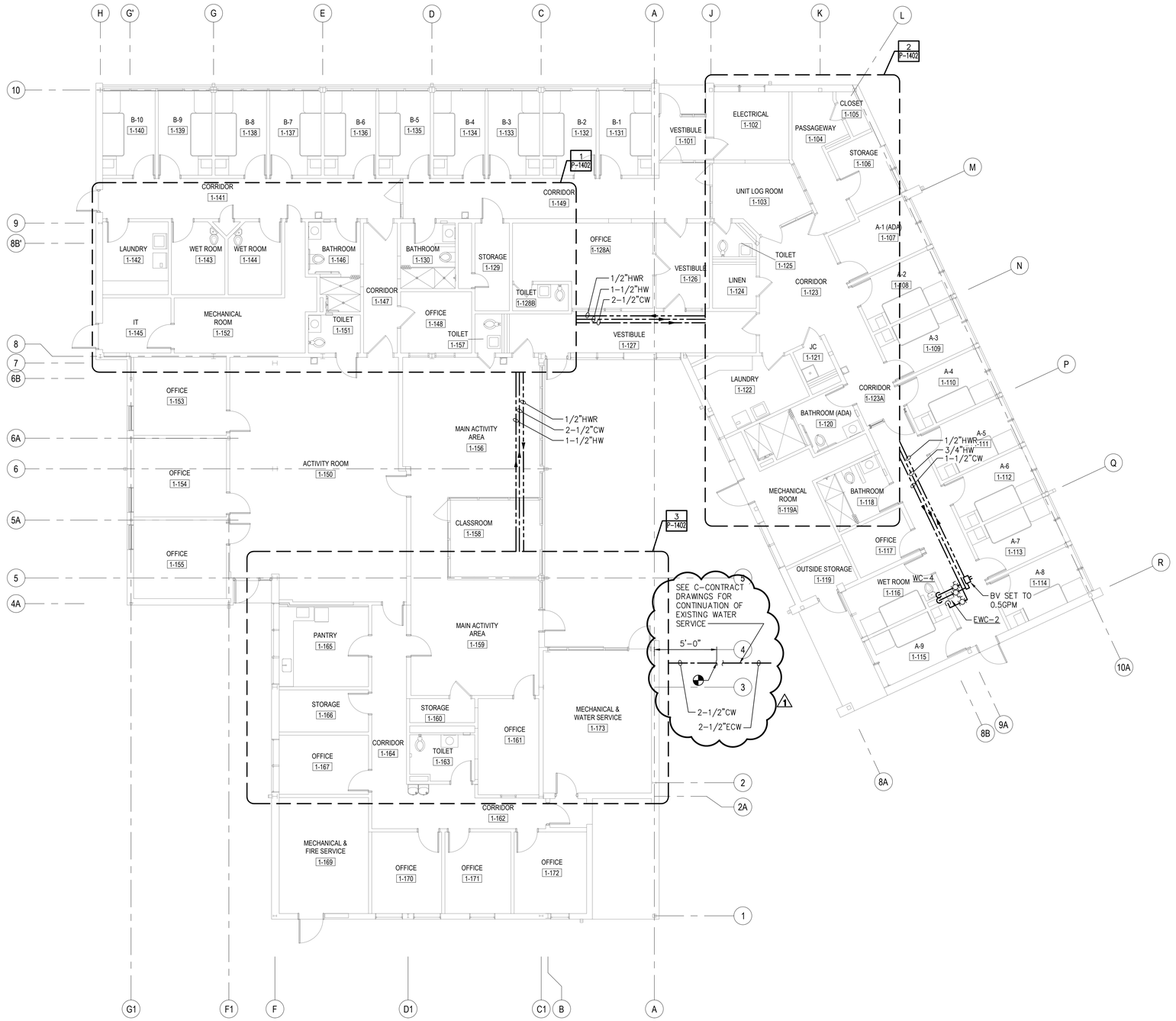
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DESIGNED BY: RWD/BPT
DRAWN BY: RWD/BPT
FIELD CHECK:
APPROVED:

SHEET TITLE:
BUILDING 77 PLUMBING POTABLE AND GAS PIPING REMOVAL PLAN

DRAWING NUMBER:
P-1103

SHEET OF

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36x24 PLOT SHEET



PLUMBING POTABLE AND GAS PIPING PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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DESIGN & CONSTRUCTION

CONSULTANT

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CONTRACT:
PLUMBING

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

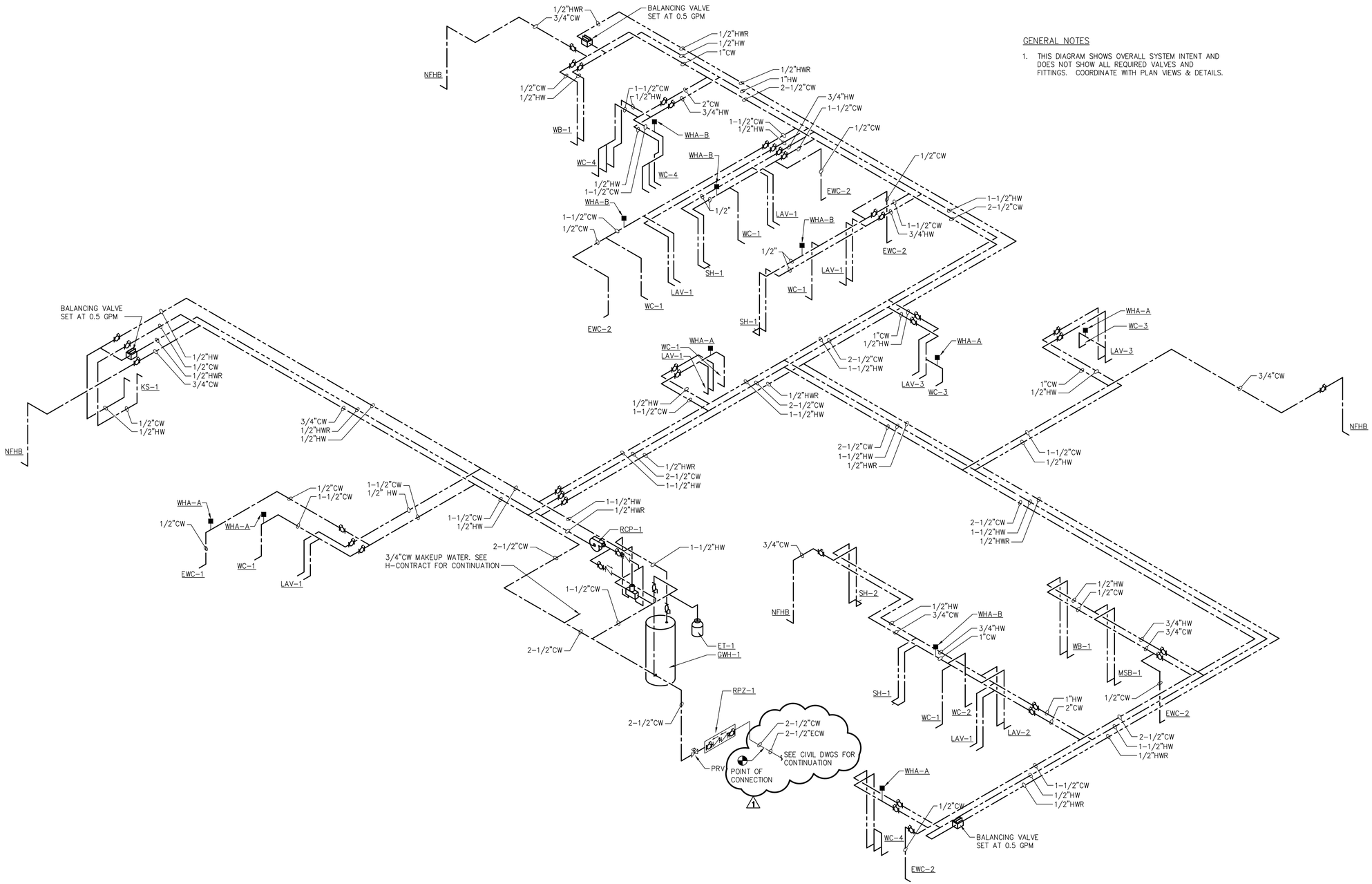
MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - P
DESIGNED BY:	RWD/BPT
DRAWN BY:	RWD/BPT
FIELD CHECK:	
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SHEET TITLE:
BUILDING 77 PLUMBING POTABLE AND GAS PIPING PLAN

DRAWING NUMBER:
P-1105

SHEET OF



POTABLE AND GAS PIPING RISER DIAGRAM

NOT TO SCALE

GENERAL NOTES

1. THIS DIAGRAM SHOWS OVERALL SYSTEM INTENT AND DOES NOT SHOW ALL REQUIRED VALVES AND FITTINGS. COORDINATE WITH PLAN VIEWS & DETAILS.

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CONTRACT:

PLUMBING

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

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RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – P
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FIELD CHECK:	
APPROVED:	

SHEET TITLE:

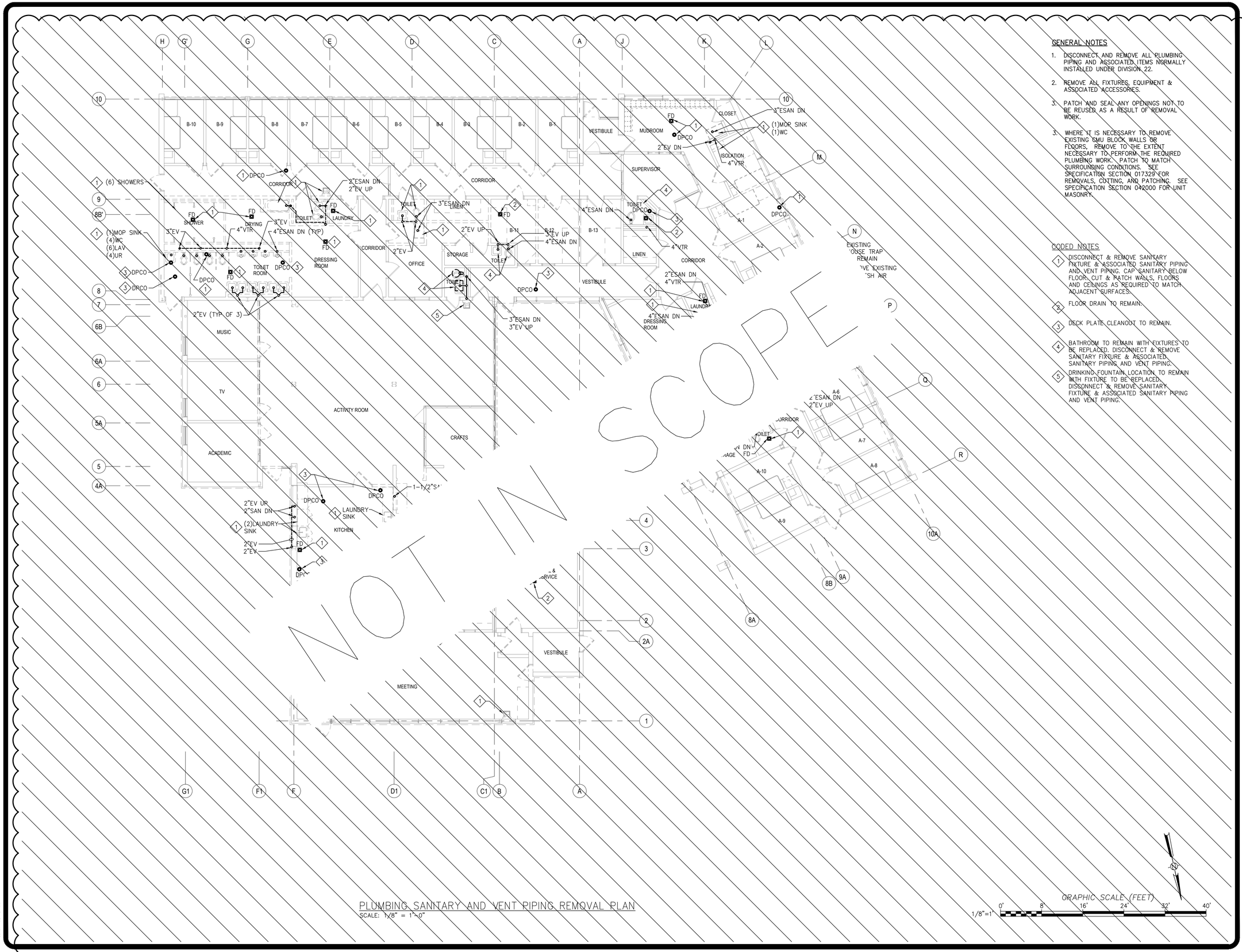
BUILDING 77 PLUMBING POTABLE AND GAS PIPING RISER DIAGRAM

DRAWING NUMBER:

P-1503

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36x24 PLOT SHEET



PLUMBING SANITARY AND VENT PIPING REMOVAL PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL NOTES

1. DISCONNECT AND REMOVE ALL PLUMBING PIPING AND ASSOCIATED ITEMS NORMALLY INSTALLED UNDER DIVISION 22.
2. REMOVE ALL FIXTURES, EQUIPMENT & ASSOCIATED ACCESSORIES.
3. PATCH AND SEAL ANY OPENINGS NOT TO BE REUSED AS A RESULT OF REMOVAL WORK.
3. WHERE IT IS NECESSARY TO REMOVE EXISTING CMU BLOCK WALLS OR FLOORS, REMOVE TO THE EXTENT NECESSARY TO PERFORM THE REQUIRED PLUMBING WORK. PATCH TO MATCH SURROUNDING CONDITIONS. SEE SPECIFICATION SECTION 017329 FOR REMOVALS, CUTTING, AND PATCHING. SEE SPECIFICATION SECTION 042000 FOR UNIT MASONRY.

CODED NOTES

1. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING. CAP SANITARY BELOW FLOOR. CUT & PATCH WALLS, FLOORS AND CEILINGS AS REQUIRED TO MATCH ADJACENT SURFACES.
2. FLOOR DRAIN TO REMAIN.
3. DECK PLATE CLEANOUT TO REMAIN.
4. BATHROOM TO REMAIN WITH FIXTURES TO BE REPLACED. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING.
5. DRINKING FOUNTAIN LOCATION TO REMAIN WITH FIXTURE TO BE REPLACED. DISCONNECT & REMOVE SANITARY FIXTURE & ASSOCIATED SANITARY PIPING AND VENT PIPING.

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CONTRACT:
PLUMBING

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

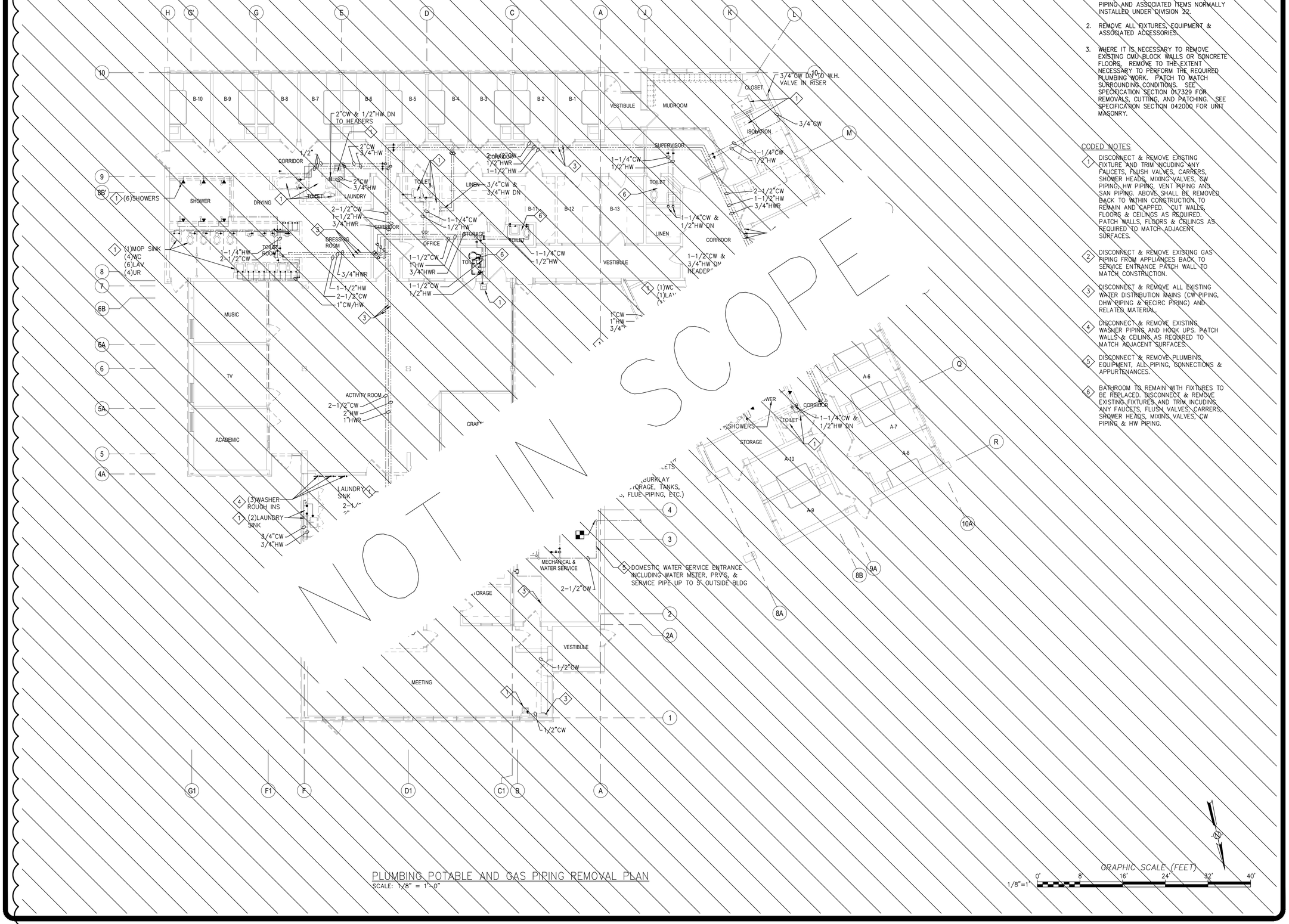
PROJECT NUMBER:	45679 – P
DESIGNED BY:	RWD/BPT
DRAWN BY:	RWD/BPT
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
BUILDING 78 PLUMBING SANITARY AND VENT PIPING REMOVAL PLAN

DRAWING NUMBER:
P-2102

SHEET OF

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36x24 PLOT SHEET



NOT FOR CONSTRUCTION

PLUMBING POTABLE AND GAS PIPING REMOVAL PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

GENERAL NOTES

1. DISCONNECT AND REMOVE ALL PLUMBING PIPING AND ASSOCIATED ITEMS NORMALLY INSTALLED UNDER DIVISION 22.
2. REMOVE ALL FIXTURES, EQUIPMENT & ASSOCIATED ACCESSORIES.
3. WHERE IT IS NECESSARY TO REMOVE EXISTING CMU BLOCK WALLS OR CONCRETE FLOORS, REMOVE TO THE EXTENT NECESSARY TO PERFORM THE REQUIRED PLUMBING WORK. PATCH TO MATCH SURROUNDING CONDITIONS. SEE SPECIFICATION SECTION 017329 FOR REMOVALS, CUTTING, AND PATCHING. SEE SPECIFICATION SECTION 042000 FOR UNIT MASONRY.

CODED NOTES

1. DISCONNECT & REMOVE EXISTING FIXTURE AND TRIM INCUDING ANY FAUCETS, FLUSH VALVES, CARRERS, SHOWER HEADS, MIXING VALVES, CW PIPING, HW PIPING, VENT PIPING AND SAN PIPING. ABOVE SHALL BE REMOVED BACK TO WITHIN CONSTRUCTION TO REMAIN AND CAPPED. CUT WALLS, FLOORS & CEILINGS AS REQUIRED. PATCH WALLS, FLOORS & CEILINGS AS REQUIRED TO MATCH ADJACENT SURFACES.
2. DISCONNECT & REMOVE EXISTING GAS PIPING FROM APPLIANCES BACK TO SERVICE ENTRANCE PATCH WALL TO MATCH CONSTRUCTION.
3. DISCONNECT & REMOVE ALL EXISTING WATER DISTRIBUTION MAINS (CW PIPING, DHW PIPING & RECIRC PIPING) AND RELATED MATERIAL.
4. DISCONNECT & REMOVE EXISTING WASHER PIPING AND HOOK UPS. PATCH WALLS & CEILING AS REQUIRED TO MATCH ADJACENT SURFACES.
5. DISCONNECT & REMOVE PLUMBING EQUIPMENT, ALL PIPING, CONNECTIONS & APPURTENANCES.
6. BATHROOM TO REMAIN WITH FIXTURES TO BE REPLACED. DISCONNECT & REMOVE EXISTING FIXTURES AND TRIM, INCUDING ANY FAUCETS, FLUSH VALVES, CARRERS, SHOWER HEADS, MIXING VALVES, CW PIPING & HW PIPING.

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CONTRACT: PLUMBING

TITLE: PROVIDE BUILDING UPGRADES

LOCATION: INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT: NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

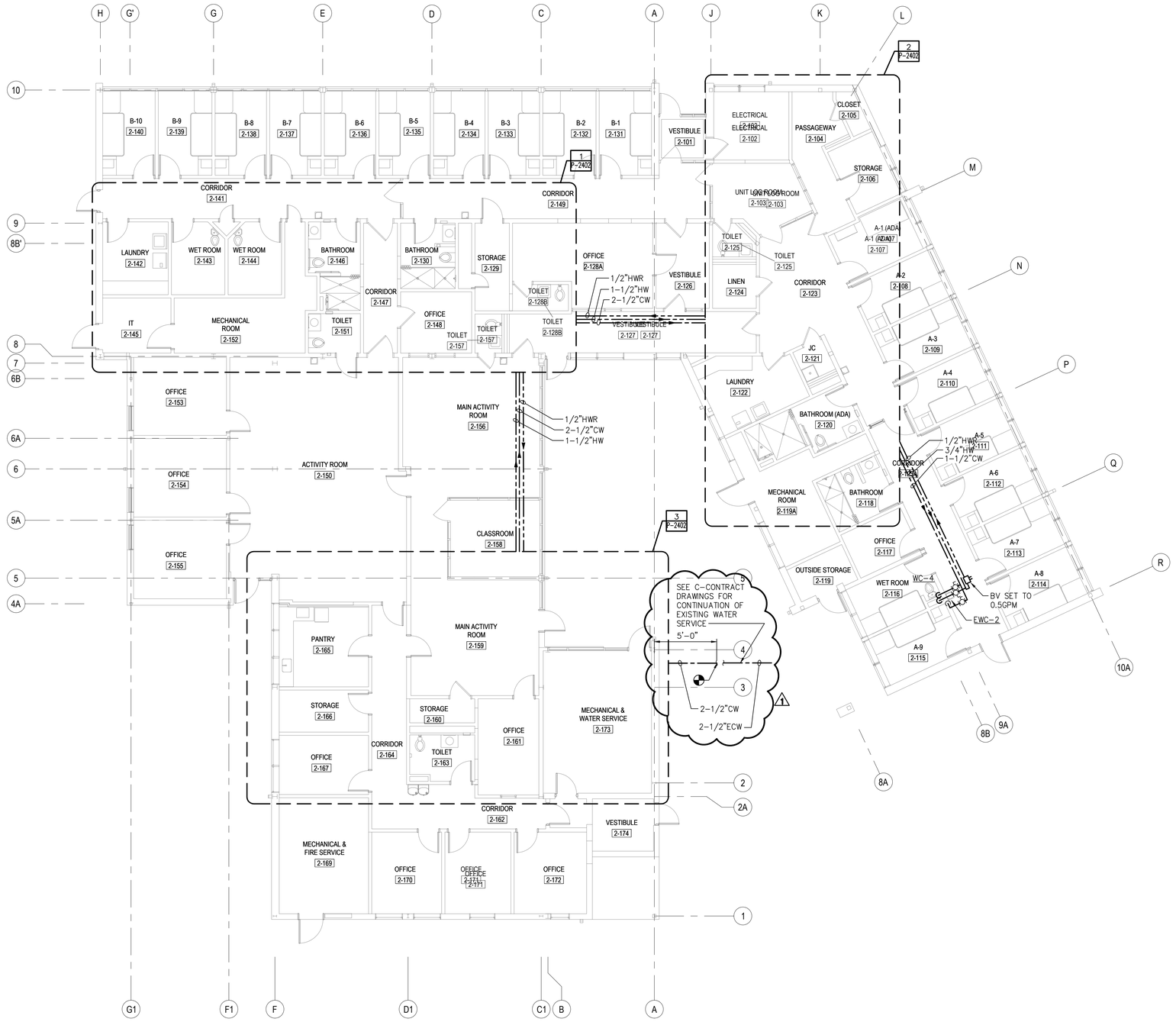
PROJECT NUMBER: 45679 – P
DESIGNED BY: RWD/BPT
DRAWN BY: RWD/BPT
FIELD CHECK:
APPROVED:

SHEET TITLE: BUILDING 78 PLUMBING POTABLE AND GAS PIPING REMOVAL PLAN

DRAWING NUMBER: P–2103

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36x24 PLOT SHEET



PLUMBING POTABLE AND GAS PIPING PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)
1/8"=1' 0' 8' 16' 24' 32' 40'

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CONTRACT:
PLUMBING

TITLE:
PROVIDE BUILDING UPGRADES

LOCATION:
INDUSTRY LIMITED SECURE CENTER
375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:
NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

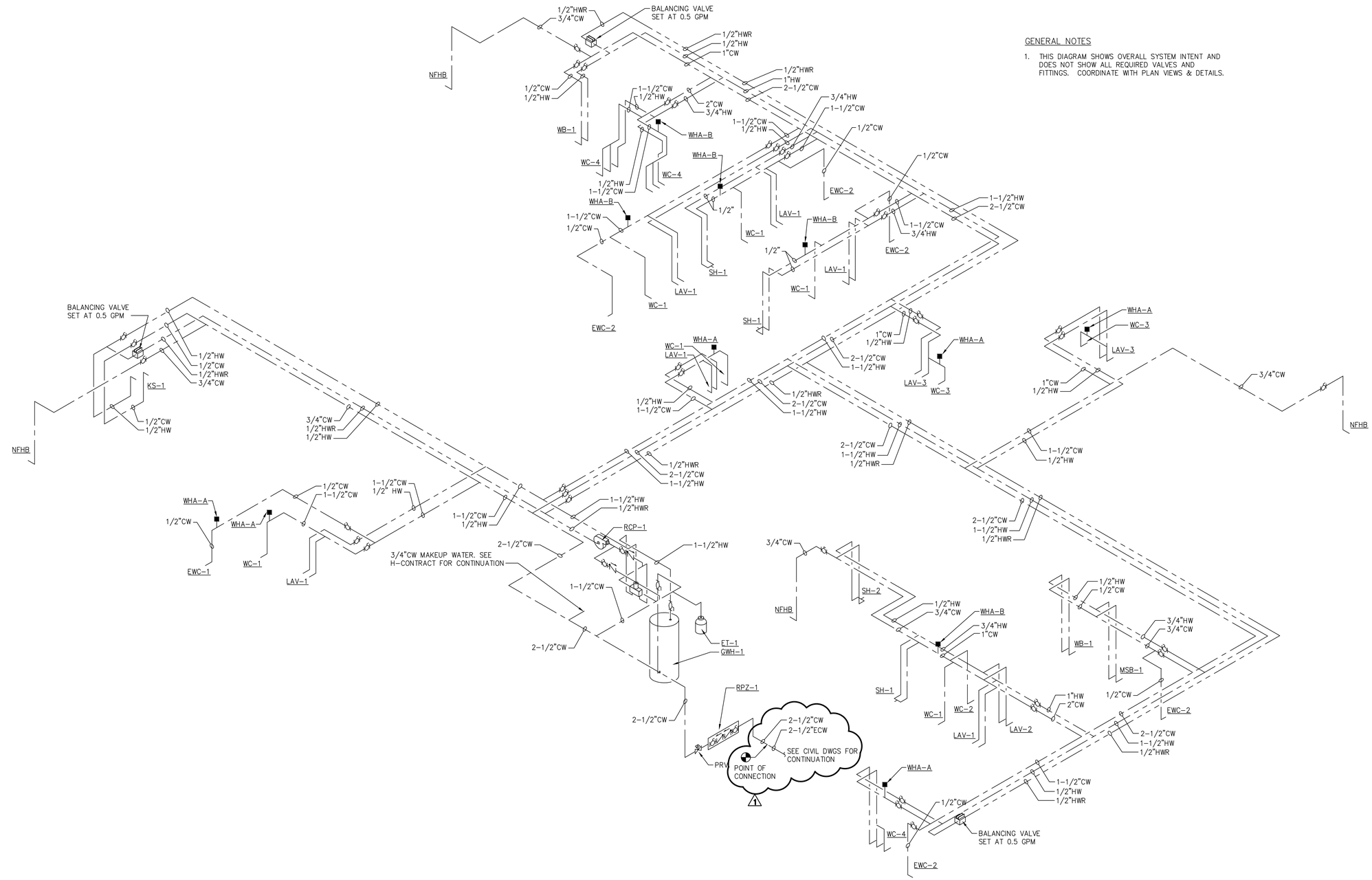
MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 - P
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DRAWN BY:	RWD/BPT
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SHEET TITLE:
BUILDING 78 PLUMBING POTABLE AND GAS PIPING PLAN

DRAWING NUMBER:
P-2105

SHEET OF



POTABLE AND GAS PIPING RISER DIAGRAM

NOT TO SCALE

GENERAL NOTES

1. THIS DIAGRAM SHOWS OVERALL SYSTEM INTENT AND DOES NOT SHOW ALL REQUIRED VALVES AND FITTINGS. COORDINATE WITH PLAN VIEWS & DETAILS.

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CONTRACT:

PLUMBING

TITLE:

PROVIDE BUILDING UPGRADES

LOCATION:

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375 RUSH-SCOTTSVILLE ROAD
RUSH, NY 14543

CLIENT:

NEW YORK STATE OFFICE OF CHILDREN AND FAMILY SERVICES

MARK	DATE	DESCRIPTION
1	9/25/2017	ADDENDUM 1
	08/07/2017	FINAL SUBMISSION

PROJECT NUMBER:	45679 – P
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BUILDING 78 PLUMBING POTABLE AND GAS PIPING RISER DIAGRAM

DRAWING NUMBER:

P-2503

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36x24 PLOT SHEET

Revised 9/25/17

SECTION 064000

ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Rough Carpentry: Section 061000.

B. Finish Carpentry: Section 062000.

1.02 REFERENCES

A. Standards: Comply with the following unless otherwise specified or indicated on the drawings:
   1. Lumber: American Softwood Lumber Standard PS 20 by the U.S. Department of Commerce. Comply with applicable provisions for each indicated use.
   2. Comply with the applicable provisions of the "Architectural Woodwork Standards" (First Edition-2009) (AWS) except as otherwise specified herein. References to "Premium", "Custom", and "Economy" Grades herein, shall be as defined in that Standard.
   3. Grading Rules:
      a. Douglas Fir, Hem-Fir, Idaho White Pine, and other Western Woods: Western Wood Products Association (WWPA) or West Coast Lumber Inspection Bureau (WCLIB).
      b. Southern Pine: Southern Pine Inspection Bureau (SPIB).

1.03 QUALITY ASSURANCE

A. Mill and Producers Mark: Each piece of lumber and plywood shall be grade-stamped indicating type, grade, mill and grading agency certified by the Board of Review of the American Lumber Standards Committee. Mark shall appear on unfinished surface, or ends of pieces with finished surfaces.

1.04 PERFORMANCE REQUIREMENTS

A. Furniture Finish Requirements: Furniture finish requirements shall meet the following:

Material Tested	
Nail Polish Remover	No Stain
Ammonia	No Stain
Isopropyl Alcohol	No Stain
Iodine	No Stain
Magic Marker	No Stain
Ball Point Pen	No Stain

1.05 DELIVERY, STORAGE, AND HANDLING

A. Keep materials dry. Make provision for air circulation around and between stacks of wood products.

1.06 SUBMITTALS

A. Shop Drawings: Show fabrication details and connections to adjacent Work.

B. Product Data: Manufacturers' catalog sheets, specifications, and installation instructions for plastic laminates and hardware items.

C. Samples:
   1. Plastic Laminate: 12 inch square section, each type.
      a. Color Samples: Manufacturer's standard colors, textures, and finish.
   2. Red Oak Butcher Block: 12 inch square piece with required finish.

1.07 QUALITY CONTROL SUBMITTALS

A. Furniture Finish test Reports: Reports certified by an independent testing laboratory with test results showing compliance with finish requirements.

PART 2 PRODUCTS

2.01 LUMBER

A. Lumber for bed platform: AWS Custom Grade, Class II, Kiln-dried to 8 percent moisture content.
   1. Species: Solid Wood Red Oak, Solid White Oak, or Solid Maple.
   2. Cut: Butcher Block
      a. Butcher block panels fabricated of random lengths and widths of red oak. Width shall be a minimum of 3/4 inch and a maximum of 1 1/4 inches. Length shall be a minimum of 9 inches. Thickness as indicated. Pieces shall be straight-grained, laid-up reverse grain, free of knots, shake, sap, discoloration and checks.

B. General: Furnish seasoned dimension lumber dressed to nominal sizes indicated with 12 percent maximum moisture content at time of dressing, marked "S-DRY". Comply with dry size requirements of PS 20.
   1. Dress: Surfaced 4 sides (S4S) unless otherwise indicated.

C. Framing Lumber:
   1. Species: Douglas Fir or Hem-Fir (WWPA or WCLIB), or Southern Pine (SPIB), unless otherwise indicated.
   2. Light Framing: 2 inches through 4 inches thick, less than 6 inches wide: Standard and Better grade, except Stud grade for stud framing.

D. Board Lumber; less than 2 inches thick:

1. Exposed Board Lumber, for Paint Finish: Southern Pine No. 1 (SBIB), Douglas Fir 2 Common (WWPA) or Select Merchantable (WCLIB).
2. Concealed Board Lumber: Southern Pine No. 3 (SPIB), any species No. 4 (WWPA) or any species Standard (WCLIB).

E. Miscellaneous Lumber: Standard grade, No. 3 grade, or better grade of the following species unless otherwise indicated:
1. Nailers and Blocking: Douglas Fir, Hem-Fir, Idaho White Pine or Southern Pine.
2. Furring: Spruce, Hem-Fir, Douglas Fir or Southern Pine.

2.02 CABINETS AND COUNTERTOPS

A. Comply with AWS Sections 10 and 11 except as otherwise specified herein.

B. Cabinets:
1. For Laminate Finish: Custom Grade, with plastic laminate cover on exposed cabinetwork and on inside face of hinged doors.

C. Countertops: Custom Grade with plastic laminate cover, including backsplash and endsplash if shown.
1. Finish exposed edges and ends of counter tops with matching plastic laminate.

D. Plastic Laminate: NEMA Standards Publication LD3 for the following types; color, texture, and finish as indicated, or if not indicated, as selected by the Director.
1. Horizontal Surfaces: General Purpose Type; GP 50 Grade; 0.050 inch nominal thickness.
2. Vertical Surfaces: General Purpose Type; GP 28 Grade; 0.028 inch nominal thickness.
3. Concealed Back Faces: Backer Type; BK 20 Grade; 0.020 inch nominal thickness.

2.03 FASTENERS, ANCHORING DEVICES, AND HARDWARE

A. Select and furnish items of type, size, style, grade and class as required for secure installation of the Work. Items shall be galvanized for exterior locations, high humidity locations and for use with treated wood. Unless shown or specified otherwise, comply with the following:
1. Nails and Staples: FS FF-N-105.
2. Wood Screws: FS FF-S-111.
3. Bolts and Studs: FS FF-B--575.
4. Nuts: FS FF-N-836.
5. Washers: FS FF-W-92.
6. Lag Bolts or Lag Screws: FS FF-B-561.
7. Masonry Anchoring Devices: Expansion shields, masonry nails and drive screws: FS FF-S-325.
8. Toggle Bolts: FS FF-B-588.

B. Exposed Fasteners: Countersunk, flat or oval tamper-resistant head for exposed screws and bolts.

C. Provide hardware as required for architectural woodwork, including cabinet hardware and miscellaneous items. Provide dull chrome finish (US26D), or nearest match available, except as otherwise indicated.
1. Safety Closet Rods: Steel shape with powder coat finish; Cascade Specialty Hardware C-500.
2. Adjustable Shelf Pilaster Standards and Supports: Steel with bright nickel or zinc finish; Knape & Vogt 255 x 256, or Grant 120 x 21.
3. Adjustable Shelf Slotted Standards and Brackets: Steel; satin anachrome or zinc finish, Knape & Vogt 80 x 180 and 179 adjustable brackets, or Garcy 649 x 689 and N768 adjustable brackets.
4. Hinges: Steel for 13/16 inch flush doors; Rockford 455-26S.
5. Drawer Slides: Full extension, 50 lb capacity; Knape & Vogt 1428, or Grant 328.
6. Cabinet Door Pulls, Surface: Acurate CP-CAB.
7. Cabinet Drawer Pulls, Surface: Baldwin 4424.264.
8. Magnetic Cabinet Door Catches: Stanley SP45, or H.B. Ives 325.
9. Cabinet Drawer Lock: Corbin Cabinet Lock 0666, or National Cabinet Lock M2-3700.
10. Cabinet Door Lock: Corbin Cabinet Lock 0370B, or National Cabinet Lock M2-3702, hand as required.

D. Counter Support Brackets: Support brackets fabricated by welding miter cut extruded aluminum sections, grinding and deburring sharp edges and welds, drilling holes for field attachment, and factory finishing.
1. Basis-of-Design Product: Subject to compliance with requirements, provide products by Rangine Corporation (RAKKS) or comparable product by Hafele or Doug Mockett & Company, Inc.

2.04 FABRICATION

A. Machine and sand wood surfaces to comply with the requirements of the AWS Quality Grade specified. Prefinish to the greatest extent possible before installation.

B. Assembly and Joinery: Joinery to end panels shall be dove-tailed and secured with glue and fasteners. Corner blocks shall be glued and fastened with temper resistant screws.

C. Mill assemble items to largest sizes practicable, to minimize field cutting and jointing. Allow for cutting and fitting where necessary to fit at the Site.

D. Distribute defects to the greatest appearance advantage possible.

E. Finish System: Apply finishing system in accordance with manufacturer's instruction and application procedures. Provide a finish free of laps, cloudiness, runs, brush marks, orange peel, or other surface imperfections.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions: Examine substrate conditions and surfaces upon which finish work is to be installed. Do not proceed with finish work until unsatisfactory substrate conditions are corrected.

3.02 PREPARATION

A. Condition the Work of this Section to average prevailing humidity conditions in installation areas prior to installing.

B. Temporarily brace and secure items which are to built into concrete, masonry or similar construction.

3.03 INSTALLATION

A. Wood Framing: Install in accordance with applicable provision of the AFPA "Manual for Wood Frame Construction", unless otherwise indicated.

B. Comply with approved shop drawings and workmanship and finishing standard requirements of the AWS Quality Grade specified herein.

C. Fill joints neatly and accurately with adjoining surfaces in same plane. Maintain field joint tolerances equal to those specified in AWS Standards.

D. Install the work plumb, level and free of distortion. Shim where required with concealed shims.

E. Install the Work of this Section in strict accordance with the manufacturer's printed instructions and approved shop drawings (if any).

F. Fastening:
1. Use concealed fasteners for work to receive transparent finish.
2. Fasten assembled items together securely.
3. Fasten items securely to supporting surfaces.
4. Set exposed nails for putty stopping.
5. Plug stop screws in exposed-to-view surfaces.
6. Perform gluing operations in such a manner that the glued surfaces will be in close contact throughout, firmly cemented together and with joints as nearly invisible as possible.

3.04 CLEANING

A. Clean exposed surfaces of prefinished work.

3.05 PROTECTION

A. Maintain temperature and humidity requirements during the construction period in interior installation areas.

END OF SECTION

Revised 9/25/2017

SECTION 230923

DIRECT DIGITAL BUILDING CONTROL SYSTEM

PART 1 GENERAL

1.01 OVERVIEW

A. The intent of this specification is to provide a peer-to-peer, networked, stand-alone, distributed control system by companies in the HVAC control field.

B. LonTalk BACnet, Arcnet, or Ethernet communication protocols will be used as the primary communication network for communications between multi-BAS/EMS vendors systems in a non-proprietary manner. Project implementation, as specified, requires transferring, receiving and controlling information that resides in multi-BAS/EMS Vendors' "building controllers".

C. LonTalk, BACnet, Arcnet, or Ethernet communications protocol will be used as the communication network between BAS/EMS Vendor Terminal Equipment Controllers (TECs) and secondary network management devices, and between network management devices and future "smart devices and sensors", as they become available. Secondary communications data protocol shall operate on a peer-to-peer open protocol communication network. Minimum system speed shall be 76k baud.

1.02 PRODUCTS FURNISHED BUT NOT INSTALLED UNDER THIS SECTION

A. Deliver the following item to the Director's Representative upon completion of the System Acceptance Test.
   1. Portable Operators Terminal (POT), and CD-Rom(s) or USBs.
      a. Do not turn over the above listed items directly to facility staff.
      b. The Director's Representative will turn over these items to the facility representative responsible for computer inventory.

B. Furnish the following items to the Electrical Work Contractor for installation:
   1. Motor Controllers

1.03 RELATED WORK SPECIFIED ELSEWHERE

A. Video Training Programs: Section 017900.

B. Motors and Motor Controllers: Section 260221

C. Wiring for Motors and Motor Controllers: Section 260523.

D. Basic Electrical Materials and Methods for Direct Digital Building Control System: Section 260502.

E. Ductwork Accessories: Section 233300.

1.04 REFERENCES

A.	ASHRAE Standard 135 -	BACnet - A Data Communication Protocol for Building Automation and Control Networks
B.	ASHRAE Standard 114 - 1986	(1986; to be re-named as Guideline 13P) Recommended practices guide for verification of end-to-end accuracy in Energy Management and Control Systems (EMCS)
C.	NFPA 70	National Electric Code
D.	UL 916	Energy Management Equipment
E.	UL UUKL 864	Smoke Control Equipment

1.05 ABBREVIATIONS AND ACRONYMS

CSIP	Control System Interface Panel
BAS	Building Automation System
DCP	Distributed Control Processors
DDC	Direct Digital Control
EEPROM	Electrically Erasable Programmable Read Only Memory
EMS	Energy Management System
EPROM	Erasable Programmable Read Only Memory
FAIP	Fire Alarm Interface Panel
FTT	Free Topology Transceiver
FSCS	Fire Fighter's Smoke Control System
GDU	Graphic Display Unit
HOA	Hand-Off-Automatic
OS	Operating System
PCP	Digital Plant Control Processors
POS	Primary Operator Station
POT	Portable Operators Terminal
RAP	Remote Access Panel
SCAP	Status and Command Annunciator Panel
TEC	Terminal Equipment Controllers
TP	Time Programs
VAV	Variable Air Volume

1.06 SYSTEM DESCRIPTION

A. The system shall operate as an integrated Direct Digital Building Control System (DDC).
   1. Provide new DDC systems including associated equipment and accessories. Provide each control system complete, and operating as specified. Manufacturer's products, including design, materials,

fabrication, assembly, erection, examination, inspection, and testing shall be in accordance with ASHRAE Standard 114 - 1986, ASME B31.1 and NFPA 70, except as modified herein or indicated otherwise. New DDC system to communicated with main BMS in building 37. All control to be provided from building 37.

2. Provide the DDC systems to maintain stable temperature control and all other conditions as indicated. The end-to-end accuracy of the system, including temperature sensor error, wiring error, A/D conversion, and display, shall be 1 degree F.
3. Provide either a DDC system compatible with the existing system in building 37.
   a. If providing a system compatible with an existing system, upgrade the workstation software with the manufacturers' latest software version that supports routers or gateways for LonWorks interoperable BAS/EMS vendor communications.
   b. The existing DDC systems was manufactured by Johnson Controls.
4. Changes in the status of monitored points are detected by the microprocessor based Primary Operators Station (POS) utilizing a primary data communication peer bus and microprocessor based distributed control processors (DCPs) located throughout the facility.
5. Secondary networks managed by the DCPs may be employed to monitor status terminal equipment controllers (TECs).
6. This system provides overall monitoring and control of all HVAC control functions for all analog and digital (binary, on/off, open/close) input control signals to microprocessor based digital controllers. The digital controllers perform all of the control logic, analog output and digital output signals to the HVAC field equipment.
7. Alarms will be transmitted to printers and the main BMS workstation in building 37.
8. The Temperature Control Work Contractor shall work with the HVAC Work Contractor to integrate the Direct Digital Building Control System and Combustion Control System.

B. This system will have interface ports to allow connection to a terminal, portable computer, and a central site computer utilizing a LonTalk, BACnet, Arcnet, or Ethernet communication protocol. BAS/EMS equipment will provide day to day control of HVAC systems, allowing system operators to enable and disable equipment, change set points, change operating schedules, receive trends and alarms, while dynamically uploading and downloading control programs.

1.07 DESIGN REQUIREMENTS

A. The system shall be designed by the engineering staff of the Company producing the system or the engineering staff of a Company that specializes in the design of Direct Digital Building Control Systems.

B. For LonMark System Architectures: Provide certification of interoperability for each LonMark device proposed for this project.

1.08 SUBMITTAL

A. Waiver of Submittal: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittal Package: Submit the shop drawings, product data, and quality control submittal specified below at the same time as a package.
   1. Certification of interoperability is required for each LonMark device submitted for the project.

C. Shop Drawings:
   1. Provide a system architecture drawing that diagrammatically shows all DCPs, their locations, how they connect to the overall communication riser, and the specified HVAC systems they each serve. The system architecture wiring layout must match specific site requirements.
   2. Sketches of all graphics.
   3. Graphic penetration tree showing all graphics and all points.
   4. Flow diagram of pneumatic portion of the system as proposed to be installed (standard diagrams will not be acceptable).
   5. Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be acceptable).
      a. Include wiring diagrams showing interconnection with other Contractors systems.
   6. Scaled floor plan and elevation drawings showing location of all major components associated with the system.
   7. Scaled drawings of each primary operators station (POS) showing layout of, and indicating the function of each switch, button, lamp, and accessory.
      a. Show front view and plan view of primary operators station console, including overall dimensions, and detail of each console section.
      b. Show scale drawing (plan view and elevation) of each primary operators station console layout in its site location.
   8. Scaled drawings of the status and command annunciator panel (SCAP) showing layout of, and indicating the function of each switch, button, lamp, and accessory.
   9. Scaled drawings of each distributed control processor (DCP) showing layout of, and indicating the function of each module and accessory.
   10. Scaled drawings of the control system interface panel (CSIP).
   11. Scaled drawings of the fire fighter smoke control panel showing layout of, and indicating the function of each annunciator module, switch module, and accessory.

D. Product Data:
   1. Catalog sheets, specifications and installation instructions.
   2. Bill of materials.
   3. Detailed description of system operation.
   4. Point description, program list, and sequences.

5. Data from the Company producing the system, proving that:
    a. The system is UL listed.
6. Total electrical load of the system which will be connected to the uninterruptible power supply system.
7. State grade and number of leased telephone lines required for use with modem units.
8. Name, address and telephone number of nearest fully equipped service organization.

E. Quality Control Submittal:
1. Installer's Qualifications Data:
    a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
    b. Names and addresses of 3 similar projects that each person has worked on during the past 3 years.
2. Company Field Advisor Data: Include:
    a. Name, business address and telephone number of Company Field Advisor secured for the required services.
    b. Certified statement from the Company listing the qualifications of the Company Field Advisor.
    c. Services and each product for which authorization is given by the Company, listed specifically for this project.
3. Test Reports:
    a. Existing sub-system test reports.

F. Contract Closeout Submittal:
1. System acceptance test report.
2. Certificates:
    a. Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
3. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
    a. Operation and maintenance data for each product installed in system.
    b. Original licensed versions of all software loaded into the system, with disks and manuals.
    c. Complete point to point wiring diagrams of entire system as installed. Identify all conductors and show all terminations and splices. (Identification shall correspond to markers installed on each conductor.)
    d. Name, address, and telephone number of nearest fully equipped service organization.
4. Provide 2 CD-ROM backup of all software programs and configurations as the system exists at final acceptance.
    a. Deliver one set of back-up CD-ROM to the Directors Representative for turnover to the facility.

b. Deliver one set of back-up CD-ROM to:

Office of General Services
Facilities Services Unit
Service Team Leader
34th Floor, Corning Tower
Albany, NY 12242

c. Upon closeout with the first year, send updated CD-ROM to the above listed personnel.

5. Provide all revisions and/or upgrades made to the system software during the one year guarantee warranty period, at no additional cost to the State.

1.09 QUALITY ASSURANCE

A. Equipment Qualifications For Products Other Than Those Specified:

1. At the time of submission provide written notice to the Director of the intent to propose an "or equal" for products other than those specified. Make the "or equal" submission in a timely manner to allow the Director sufficient time to review the proposed product, perform inspections and witness test demonstrations.
2. If products other than those specified are proposed for use furnish the name, address, and telephone numbers of at least 5 comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the 5 comparable installations will allow inspection of their installation by the Director's Representative and the Company Field Advisor.
   a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative. Also obtain the services of the Company Field Advisor for the proposed products to be present. Notify the Director a minimum of 3 weeks prior to the availability of the installations for the inspection, and provide at least one alternative date for each inspection.
   b. Only references from the actual owner or owner's representative (Security Supervisor, Maintenance Supervisor, etc.) will be accepted. References from dealers, system installers or others, who are not the actual owners of the proposed products, are not acceptable.
      1) Verify the accuracy of all references submitted prior to submission and certify in writing that the accuracy of the information has been confirmed.
3. The product manufacturer shall have test facilities available that can demonstrate that the proposed products meet the contract requirements.
   a. Make arrangements with the test facility for the Director's Representative to witness test demonstrations. Also obtain the services of the Company Field Advisor for the proposed product to be present at the test facility. Notify the Director a minimum of 3 weeks prior to the availability of the test facility, and provide at least one alternative date for the testing.

4. Provide written certification from the manufacturer that the proposed products are compatible for use with all other equipment proposed for use for this system and meet all contract requirements.

B. UL Listing: The system shall be UL listed for Energy Management UL 916 and Smoke Control UL UUKL 864.

C. Qualifications: The persons installing the Work of this Section and their Supervisor shall be personally experienced in building control system work and shall have been regularly employed by a Company installing direct digital building control systems for a minimum of 3 years.
1. For LonMark System Architectures: BAS/EMS vendors shall be certified in LonMark system installation.

D. Test Facility: The Company producing the system shall have test facilities available which can demonstrate that the proposed system meets contract requirements.

E. Company Field Advisor: Secure the services of a Company Field Advisor for a minimum of 200 working hours for the following:
1. Render advice regarding installation and final adjustment of the system.
2. Assist in initial programming of the system.
3. Render advice on the suitability of each monitor and control device for its particular application.
4. Witness final system test and then certify with an affidavit that the system is installed in accordance with the contract documents and is operating properly.
5. Train facility maintenance personnel in operation, programming and routine maintenance of the system.
   a. Provide the services of competent instructors to instruct designated personnel in the adjustment, operation and maintenance, including pertinent safety requirements, of the equipment and system specified. The training shall be oriented toward the installed system rather than being a general (canned) training course. Each instructor shall be thoroughly familiar with all aspects of the subject matter they are to teach. The number of man-days of instruction furnished shall be as specified below. All equipment and material required for classroom training shall be provided.
   b. Provide a minimum of one complete computer (desktop or color laptop model) for every two trainees during the entire training period. The computers shall be linked as to provide real-time ability to all trainees to monitor the site's systems controlled by the EMS.
   c. For each trainee (minimum of 8) provide workbooks, worksheets, sample problems and other printed matter to serve as illustrative reference material. Unless deemed unnecessary by OGS, Contractor shall include copies of all overheads used in the training either separately or as part of said printed matter. Contractor shall provide all overhead projectors, computer LCD

panels, video players or projectors, projection screens, hands-on materials, etc. as required for the training.

d. Submit for OGS review and approval, at least four weeks in advance of each phase of the training, the following:
   1) A detailed proposed outline of training, including timing.
   2) All printed materials, visual aids and hands-on material.
   3) All overheads (transparencies or computerized)
   4) All other training aids.
   5) Qualifications of all proposed training personnel.

e. Training Program: A training day is defined as 8 hours of instruction including two 15-minute breaks and excluding lunch time.
   1) For a period of 3 days prior to the acceptance test period at a time mutually agreeable between the Contractor and the State. Operating personnel will be trained in the functional operations of the installed system, the procedures employed for system operation and the maintenance of DDC equipment.
      a) The first 2 days of training shall include:
         (1) General System Architecture.
         (2) Operation of Computer and Peripherals.
         (3) Command Line Mnemonics.
         (4) Report Generation.
         (5) Operation Control Functions.
         (6) Graphics Generation.
         (7) Input Function and Identification.
         (8) Logging ON and OFF.
         (9) Point Naming Convention.
         (10) Point Logs.
         (11) Trending.
         (12) Alarms.
         (13) Executing Commands.
      b) The third day of training shall include:
         (1) General equipment layout.
         (2) Troubleshooting of DDC components.
         (3) Preventive Maintenance of DDC components.
         (4) Sensor maintenance and calibration.
         (5) Hand-held Terminal operation.
      c) Three neatly bound vinyl notebooks shall be provided containing a summary of each topic discussed during the three phases of training.

f. The training room shall be clean, well-lit, well ventilated and isolated from noise (including HVAC noise) and other distractions. The Contractor shall arrange, via delamping, covering fixtures or by light switches, for there to be adequate contrast lighting to take notes and fend off drowsiness.

g. Instructor shall employ an LCD panel, video projector or other suitable device to project large images of the EMS software and/or other training images.

h. Printed training materials shall be tailored to the task at hand and shall be well illustrated. Materials shall take students through the steps of learning the EMS and its software and shall provide sample exercises for the trainees to perform on the computers.

i. Training must steer clear of jargon and other confusing terminology and focus instead on learning how to use the system. Specific jargon may be addressed after the trainees have demonstrated a basic understanding of system operation.

j. Training shall involve actual field-type equipment using a training demonstration package that simulates real-time temperatures, settings, alarms, etc. Training shall also spend substantial time observing the site's actual system, include point logs, graphics, and alarms. In addition, a brief field visit shall be included to familiarize trainees with the equipment installed at their site.

k. Training must include quizzes, tests, and exercises that compel trainees to demonstrate understanding of the system's most important concepts. These concepts shall include, but not be limited to, the elements of a monitoring checklist developed by the site.

l. The overall training approach shall be interactive and encourage students to discuss concepts, ask questions of the instructor and share experiences among one another.

6. Provide services to the Balancing Work Contractor for a minimum of 80 working hours for the following:
   a. Render instruction at the Site in the use of control equipment to set variable air volume devices to operate within the direct digital building control system.
   b. Render advice and assist Balancing Work Contractor during the balancing process with component calibration, repair and replacement of components, explanation of component operation, and attend meetings with the VAV device manufacturer, etc.
7. Explain available service programs to facility supervisory personnel for their consideration.

F. Company Field Advisor (Existing Sub-Systems): Secure the services of a Company Field Advisor from the Company of each sub-system for a minimum of 20 working hours for the following:
   1. Render advice and witness test of existing sub-systems.
   2. Render advice on the interconnection of existing sub-systems with the new system.
   3. Witness the final test of the combined new system and existing sub-systems.

1.10 MAINTENANCE

A. Service Availability: A fully equipped service organization capable of guaranteeing response time within 8 hours to service call shall be available 24 hours a day, 7 days a week to service the completed Work.

B. Spare Parts:
1. 10 percent spare of each type temperature sensor.
2. 10 percent spare of each type pressure sensor.
3. 10 percent spare of each type relay.
4. 10 percent spare of each size valve.
5. 10 percent spare of each type I/O board.
6. Printer paper (2 cases, 3200 sheets per case for fan fold style printer).
7. Four ribbons for printers.
8. Two sets, per printer, ink jet print cartridges.

PART 2 PRODUCTS

2.01 MATERIALS

A. General:
1. Control diagrams shown on the drawings, in general, indicate the equipment required for the control sequences specified. Variations in the selection of temperature control equipment, which will produce the required control sequences may be submitted for approval.
2. All equipment shall be the standard product of one manufacturer, unless otherwise specified.
3. Components and system capacity parameters specified are minimum and shall be increased as required by the Company producing the system to enable the system to perform the functions specified and indicated on the drawings.

B. Standard utility grade power will be available for operation of the system. If power conditioning is required for proper operation of the system, all equipment and labor required to provide conditioned power shall be provided as part of the system.

2.02 STATUS AND COMMAND ANNUNCIATOR PANEL (SCAP)]

A. Interface panel having predetermined points commanded or annunciated:
1. Graphic faceplate in which are located lamps for annunciation and switches for commands.
2. Master enable/disable key switch on all control switches behind hinged and locked door having windows for visibility of system functions.

2.03 DISTRIBUTED CONTROL PROCESSORS (DCPs)

A. For LonMark System Architectures DCPs shall be LonMark certified devices.

B. Microprocessor based, with operating system (OS) and energy management system (EMS) programs, data file and control programs, 72 hour battery backed real time clock.

C. DCPs shall operate stand alone and independent of a central computer for all specified control applications.

D. DCPs not utilizing "Smart Devices", shall be modular and configured to accommodate analog and digital input and output boards to meet specific application requirements, including spares as specified.

E. The DCPs including accessory devices such as relay, power supplies, etc., shall be factory mounted, wired and housed in a steel enclosure with a hinged door panel. LEDs and switches shall be visible without opening the panel door, but not accessible without opening the panel door.

F. DCPs shall be equipped with LEDs for indication of power and operational status, status of each input and output, and diagnostic LED indicators.

G. Separate discreet DCPs shall be provided to support each major HVAC system. In all cases where primary and back-up systems are specified, a single DCP shall not be used to control both primary and secondary systems. In addition, a single DCP shall not be used to control two or more major HVAC systems (i.e., chillers and heat exchangers controlled by one single panel.)

2.04 TERMINAL EQUIPMENT CONTROLLERS (TECs)

A. TEC Controller types shall support fan coil, heat pump, remote I/O modules, and air handler applications.
   1. For LonMark System Architectures: BAS/EMS Vendor Terminal Equipment Controllers (TECs) will operate on a LonMark certified LonWorks Free Topology Transceiver (FTT) peer-to-peer open protocol communication network.

B. TECs shall be modular, field modifiable, expandable, and configured with an array of analog and digital inputs and outputs, and pulse counting totalizers to meet the application requirements.
   1. For LonMark System Architectures: TECs shall support any LonMark Functional Profile as shall be in existence at the time of architectural submittal.

C. The TECs shall be factory mounted on the equipment, wired, and housed in a steel enclosure. BAS/EMS Vendors shall ship damper actuators and VAV controllers to VAV terminal equipment manufacturer for factory installation, including transformers, relays, and air flow devices. Wiring and installation instructions are to be provided by the BAS/EMS Vendor to the VAV terminal equipment manufacturer.

D. TECs shall be able to operate at 90 percent to 110 percent of nominal voltage rating and shall perform an orderly shut-down below 80percent. Operation shall

be protected against electrical noise of 5-120 Hz and from keyed radios up to 5 watts at 3 feet.

E. VAV Box Controllers: Microprocessor - EEPROM based, with flash memory for date file and control programs. Controllers shall have the capability for wall mounted control of temperature occupied/unoccupied or fan control.

2.05 ROUTER AND GATEWAYS

A. Provide certified Router and/or Gateway devices which connect two or more physical LonTalk or BACnet compatible equipment as required.

B. Routers or Gateways if required, shall be a microprocessor based communication device designed to provide seamless, two-way translation between two or more standard or non-standard network layer protocols.

C. UL Listing: UL 916 required as a minimum.

2.06 DCP AND TEC SOFTWARE

A. Energy Management Application Programs:
   1. Optimum Start, Night Cycling and Night Purge for free cooling shall address the unique requirement of each systems Unoccupied Period, which may include one or more of the following as specified:
      a. Optimum start program shall delay equipment start-up based on global outdoor temperature, and system response to assure that comfort conditions are reached at scheduled occupancy time (occupancy schedules are defined under time programs), and operate in both heating and cooling cycles. In all cases, the optimum start program shall operate fully stand-alone in the local DCP.
      b. Night Cycle program shall apply to heating cycle only (or both heating and cooling cycle) with the outdoor air dampers closed. The space temperature shall be used to determine the "fan on" and/or "supply heat" command to maintain a low limit of 50-55 degrees for the heating cycle and the "fan on" and "supply cooling" command to maintain 82 degrees for the cooling cycle.
      c. Night Purge program shall apply to cooling cycle only. Night Purge shall introduce 100 percent outdoor air any time the outdoor air is above 50 degrees F, the space temperature is above 75 degrees F, and the outdoor air dewpoint is less than 60 degrees. Purging shall stop when outdoor air is below 50 degrees F, or space temperature is below 75 degrees F, or outdoor temperature is less than 5 degrees cooler than space temperature, or outdoor air dewpoint, is greater than 60 degrees.
   2. A load reset program shall be provided to assure that only the minimum amount of heating, cooling, and electrical energy is supplied to satisfy zone temperature requirements. The program shall be applicable where specified to hot decks, cold decks, chilled water supply, and AHU static

pressure. Individual programs are to be provided each sensing the worst case zone requirements and providing only the minimum energy source media to satisfy the need.

B. Control Software:
   1. Each DCP shall contain up to 20 unique user modifiable time programs (TP):
      a. Each TP shall consist of daily, weekly, and annual programs plus a "TODAY" temporary function.
      b. DAILY programs shall be definable for day types such as working day, half day, holiday, weekend, etc. Each daily program shall allow a list of tome based (or optimum time based analog and digital commands to be issued to user selected plant elements and points.
      c. WEEKLY programs shall allow a user selected set of daily programs to be defined for each day of the week, Monday through Sunday.
      d. The ANNUAL program shall initially be an automatic compilation of 52 weekly programs. Selecting a date of the ANNUAL program shall allow modification of the daily selection entered into the weekly program, such as changing Dec. 25 from a working day to a holiday.
   2. Control Application Software shall be customized strictly to meet the detailed requirements of the "Sequence of Operation" specified in PART 3. DCPs shall be fully programmable. Initial software shall be fully modifiable, and not restricted by vendor's specific configuration guidelines.

C. Management Software:
   1. Each DCP shall be provided with a trend archive of at least the last 200 events, digital transitions or analog value changes, of any user selected group of points. A stored event shall include date and time, and value or status. Events occurring in excess of 200 shall overwrite the oldest events, except where a modem module is specified, events shall be uploaded to the modem module. Point events shall be displayable at the POS as trend logs for evaluation of control system performance.
   2. Each DCP shall monitor all analog input points and specified digital points for off-normal conditions. Each alarm shall have an "alarm delay" attribute which shall determine how long, in seconds, a point must be in an off-normal state prior to being considered in an alarm state. Alarms shall be displayable at the POS.
   3. DCPs managing sub-networks of TECs shall report TEC alarms and shall be programmed to perform data reduction, sorting, and AHU DCP optimizing routines. In no case shall mass TEC optimizing data be allowed on the peer bus.

D. Communications Software:
   1. LonTalk, BACnet, Arcnet, or Ethernet shall be used for communication between DCPs, and between operator interfaces. Each DCP shall have a full master peer-to-peer communications module to support all global data sharing, hierarchical control, and global control strategies specified.

In addition, certain DCPs shall have hardware and software to support manage a secondary 9600 baud minimum bus of TECs, including hierarchical control specified, management, alarm processing and prioritization.

E. TEC Software:

1. BAS/EMS Vendor Terminal Equipment Controllers (TECs) will operate on a peer-to-peer communications network. TEC Software shall be configured to meet the detailed requirements of the Sequence of Operation, and shall be field reconfigurable if required to accommodate future functional or additional I/O requirements. TEC software shall be compatible with all the requirements set forth in the POT specification regarding TEC data display and modification. TEC software shall support full PID control.
   a. For LonMark System Architectures: BAS/EMS Vendor Terminal Equipment Controllers (TECs) will operate on a LonMark Certified LonWorks Free Topology Transceiver (FTT) peer-to-peer protocol communication network.

2.07 DATA COMMUNICATIONS

A. POS and DCPs shall directly reside on a primary peer communication bus such that communications may be executed directly between POS and DCPs, and directly between DCPs on a peer to peer basis, via fiber optic cable or via electronic cable, and routers as needed.

1. Utilize existing single mode fiber optic cabling between building no. 77, 78 and 37. Provide single mode fiber optic cable jumper between each building's DDC control panel and fiber termination rack / box.. Refer to electric contract drawings for location. The single mode fiber optic cable shall be used to wire between the ddc systems in building no. 77, 78 and the primary operator's station in building no. 37 and printer in building no 37."

B. TECs shall be connected together via peer-to-peer secondary communication network managed by the DCPs.

1. For LonMark System Architectures: TECs shall be connected together via LonMark certified LonWorks Free Topology Transceiver (FTT) peer-to-peer open protocol communication network.

C. Protect communication lines against incorrect wiring, static transients and induced magnetic interference.

1. Provide static, transient, and short circuit protection on all inputs and outputs.
2. AC couple, or optically isolate bus connected devices so that any single device failure will not disrupt or halt bus communication.

D. Provide Radio Frequency (RF) software-for remote (WAN) site communications applications as specified.

E. Provide Internet Protocol Access (IP) software for Internet access for remote (WAN) site communications applications as specified.

2.08 OPERATOR INTERFACE SOFTWARE

A. Operator station software shall include as a minimum the Operating System (OS), Data Base Manager, Communications Control, Operator Interface (OI), Trend and History Files, Report Generator, Support Utilities, Scheduler and Time and Event Support Programs.

B. Provide a hierarchical linked dynamic graphic operator interface for accessing and displaying system data and commanding and modifying equipment operation. The interface shall utilize a mouse, pull-down menus, dialog boxes, zoom, coloration and animation to facilitate operator understanding of the system. A minimum of 20 levels of graphic penetration shall be provided with the hierarchy operator assignable (for example, area, building, wing, floor, air handler, sequence of operation pages, dynamic program display, point group). Dynamic system data points shall be assignable to each penetration level. Descriptors for graphics, points, alarms, etc. shall be modified through the operator's station under password control.

1. Operator access to the system is to be under password and personal ID control. Operators shall be able to access data from any operator's station in the system by entry of proper password and ID. Sign off from an operator's station shall be a manual operation. If no mouse or keyboard activity takes place, within an assignable time period an automatic Sign Off shall occur. All sign on/sign off activity is to be recorded on the system printer.

C. A graphics mode of operation shall be provided allowing full color displays of building floor plan, HVAC system, equipment, hot water and chilled water system configuration.

1. All graphic displays shall be online programmable via keyboard, trackball, or mouse selection of graphic library stored symbols and system profiles. Provide, in addition, the capability to create custom symbols, system profiles, floor plans, etc. and to store them in the graphics library.
2. Penetration within a graphic hierarchy shall display each graphic name as graphics are selected to facilitate operator understanding. A backtrack shall permit the operator to move upward in the hierarchy by mouse click on the backtrack. The backtrack shall show at least the previous 4 penetration levels. The operator shall be provided the option of showing each graphic full screen size with the backtrack as the horizontal header or by showing a stack of graphics, each with a backtrack.
3. All operator accessed data shall be displayed on the color monitor. The operator shall select further penetration via mouse click on an area, building, floor, fan, etc. The defined linked graphic below that selection shall then be displayed. Dynamic data shall be assignable to any and all graphics.

4. The operator shall be provided with means to directly access any graphic or any point without going through the penetration path.
    a. Direct access to graphics shall be menu selectable wherein the operator may optionally enter the name of the graphic system desired or select the desired graphic via cursor positioning on a scroll bar listing of all graphics, or may be selected via keyboard entry.
5. Points (physical and pseudo) shall be displayed with dynamic data provided by the system with appropriate text descriptors, status or value, and engineering unit. Coloration shall be used to denote status and alarm states. Coloration conventions shall be variable for each class of points. In addition, there shall be clear indication of latest status (e.g., fan rotation, damper position, fluid flow, etc.) where specified. All points shall be dynamic with update rates user adjustable on a per point basis from 20 seconds to 120 seconds depending upon the process dynamics.
6. For operators with the appropriate privilege(s), points shall be commanded directly from the color monitor via mouse selection. For a digital command point such as a state (e.g., CLOSED) and the operator could select OPEN via mouse click. For most operations, a keyboard equivalent shall be available for those operators with that preference. Upon selection of analog commandable points (such as discharge air static pressure), a dialog box shall appear containing the following:
    a. The decimal value of the set point with adjacent up-down arrows.
    b. The operator shall be afforded three methods of analog commanding from which to choose as follows:
        1) Click the cursor on the decimal set point value, and enter a new set point value via the keyboard decimal keypad.
        2) Drive the decimal value up or down via the up-down arrows.
        3) "Drag" the set point arrow up or down by moving the cursor to the desired position and clicking.
    a. The bar chart shall also have an associated colored scale showing the current position (scaled value) of the alarm limits.
7. An operator shall be permitted to split or resize the viewing screen to show one graphic on the left half of the screen and another graphic, spreadsheet, bar chart, word processing, curve plot, etc., on the right half screen, to allow real time monitoring of one part of the system while displaying other parts of the system or data from the system to facilitate system operation.
8. An on-line context-sensitive "help" utility shall be provided to facilitate operator training and understanding. The document shall contain text and graphics to clarify system operation. At a minimum, help shall be available for every menu item and dialog box.

D. Site Specific Customizing Software:
    1. Provide all hardware and software required for complete system programming including system schematic development, I/O hardware

point definition, hardware and software text point descriptors, DDC algorithmic development, a controller software loading utility, and a live programming test facility. Color conventions shall be used throughout to support ready recognition of inputs, outputs, plant heating/cooling devices, control function modules, etc. Provide all hardware and software required for the modification of existing graphics and for the construction of new graphics.

2. Provide software which will allow the user to modify and tailor the DDC system to the specific and unique requirements of the equipment installed, the programs implemented, and to staffing and operational practices. Online modification of system configuration, program parameters, and data base shall be provided via menu selection and keyboard entry of data into preformatted self-prompting templates. As a minimum, the following modification capability shall be provided.
   a. Operator assignment capability shall include designation of operator passwords, privilege(s), starting graphic and auto sign off duration.
   b. Peripheral assignment capability shall include assignment of segregation groups to consoles and printers, and designation of backup printers.
   c. System configuration/diagnostic capability shall include communications and peripheral port assignments, DCP enable/disable, assignment of command trace to points and initiation of diagnostics.
   d. System text add/change capability shall include action messages for alarms and run time, and trouble condition messages.
   e. Time/Schedule change capability shall include time/date set, time/occupancy schedules, holiday schedules, and daylight savings time schedules. All time and calendar scheduling and schedule modification shall be accomplished graphically via color bars and calendars in a hardware independent manner.
   f. Points shall be uniquely defined as to coloration, animation (when used), flashing rate and duration, audible rate and duration, point descriptors, operator messages (480 characters minimum), printer options, alarm archival option, alarm and warning limits, and engineering units. All messages specified and all physical and pseudo point descriptors shall be entered by the Company producing the system.
   g. Point related change capability shall include system/point enable/disable; run time enable/disable; assignment of points to point classes, analog value offset, lockout, run time limits, and setting a fixed input value or output status.
   h. All adjustable setpoints shall be resettable from a graphic.

E. Alarm handler software shall respond to alarm conditions sensed and transmitted from DCPs and TECs. First in, first out handling of alarms in accordance with alarm priority ranking is required with buffer storage for a minimum of 20 alarms in case of simultaneous multiple alarms. Alarm handler shall be active in both the Signed On and Signed Off modes to assure that alarm will be processed even though and operator is not currently signed on.

1. Alarms shall be displayed in a dialog box of the color monitor. Display shall include as a minimum:
    a. Indication of alarm condition; i.e., ABNORMAL Off, HI ALARM/LO ALARM, analog value or status, and English point identification.
    b. A unique per point alarm action message; i.e., "The fan has shutdown due to an excessively high discharge duct pressure, There is a strong indication of a system malfunction such as an inlet vane drive failure, or major fire damper closure. The switch should not be manually reset until a thorough check of the cause is conducted" of up to 480 characters.
2. Alarms are to be directed to appropriate operators, operator stations, and printers for segregation assignments as specified in previous sections of this specification.
3. Alarm silencing shall be by selecting the "silence" button or by authorized operator's acknowledgment. In all cases, alarm acknowledgment shall only be allowed by operators authorized to acknowledge a point in alarm.
4. Each point shall be assigned to an alarm class, with no limit to the quantity of alarm classes. Each alarm class shall be uniquely assignable to any combination of the following alarm processing attributes:
    a. Audible beep duration: none, 10 seconds, 20 seconds, continuous.
    b. Audible beep rate (slow-medium-fast).
    c. Alarm historically archived (yes or no).
    d. Alarm printed, with printer ID.
    e. Associated coloration with any of 256 colors with separate brightness control, assignable to each alarm state (high alarm, etc.) and similarly be distinguished with different colors for each possible state.
5. Alarms shall be displayed and/or printed at each peripheral to which its segregation allows, but only those operators having proper privilege level will be allowed to acknowledge alarms.
6. An unacknowledged alarm indicator shall be provided on the color monitor display to alert the operator that there are unacknowledged alarms in the system.
7. Symbols for points in a graphic display that are in an unacknowledged alarm state shall flash red; when in an acknowledged state, the symbol shall be non-flashing-red.
8. Run time limit messages shall be presented and processed as alarm messages except the action message shall be of a maintenance directive nature.

F. Standard reports shall be provided which shall be operator selectable to appear on the operator station, any selected printer or both. A "terminate report" command shall be available to allow the operator to stop any report in the process of being printed. In the event of failure of any printer, subsequent reports directed to that printer shall be automatically redirected to an operator preassigned backup printer dedicated at the operator station. The following standard pre-formatted reports shall include:

1. Point summary reports may be requested at any penetration level (building, area, system) and shall include only points at and below that level. Point summary reports shall include the current value/status and condition, English system and point descriptors for all points. Point summary reports shall be selectable for all points, only those points in alarm, fixed points, disabled points, locked out points, locked out and in alarm points, analog input or output points, digital input or output points. All reports shall be capable of being scheduled to run at a specific time and/or interval via an operator function supported by necessary data entry templates and interactive prompts.
2. Dynamic trends shall show real time activity of the associated points. This information shall be printed and/or displayed in numeric, bar chart, curve plot, pie chart, etc., as selected by the operator. Graphic plots shall allow a unique color for each point. As new point values are sampled, they shall be processed, scaled, and dynamically appended to any plot being displayed. Sample interval of points selected for dynamic trend shall by user selectable from five seconds to sixty minutes.
3. Alarm and run time reports shall be automatically issued to assigned printers immediately upon occurrence, and shall consist of the point descriptor, the status or value of the point with engineering unit, the time and date, and an action taking alarm message.
4. The user shall be provided with a command trace feature selectable on a per point basis allowing the archiving of all commands issued to each point. The archived trace shall include the command, the command source, the point ID, and the time and date. Command trace reports shall be output upon operator demand.
5. A custom report capability shall be provided to allow the user to format reports of any mix of text, points with status/value and descriptors, and points with status/value only. Custom reports may be scheduled or requested manually. A spreadsheet program similar to Microsoft Excel shall be provided fully integrated with the DDC system data base, and available to the user. Spreadsheet packages which require offline execution or manual translation of data files from one program format to another are not acceptable.

G. Trend reports shall allow the operator to randomly select logical arrays of points to be recorded at selectable time intervals.
1. Trend point archival - Each DCP trend point system (hardware and software) shall be assignable to PC archive files at user definable time intervals. Trend data sample resolution shall be a minimum of one degree or one percent of the points range, whichever is smaller. Each point trend file shall have a user assignable selectable archive duration of a day, a week, a month, or a year. For any duration period selected, the file shall retain one full duration period while it collects another (i.e., after collecting data for May, May is retained in total as June data is accumulated).
2. Trend display points shall be subsequently printed/ displayed individually or in logical groups of up to any eight points in any group. Points may be assignable to multiple trend groups. The system shall

have up to 500 trend groups which may be predetermined by the user for a unique set of logical points and display characteristics.

a. Single Point Displays: Single point trend reports shall be displayable by selecting the desired point from any system graphic upon which it is displayed or by entering its keyname. Display characteristics shall be user predeterminable for any desired display range (X-Axis period) and any desired data manipulation within the selected range.

b. Template-selectable display range options shall be "current", "previous", or "date range" with range and appropriate data intervals. "Current" ranges shall be time periods of one hour, two hours, etc., up to one year. Starting at the beginning of the range (i.e., a display of the "current" month shall start at 00:01AM the first day of the month and display selected values up to the present time). Data intervals within the selected ranges shall be selectable from ten seconds to one month, dependent upon the sample intervals. The X-Axis resolution shall accommodate up to 100 data values. "Previous" ranges shall be similar to current ranges, except that a full "range" of data (such as a full seven days of data for the past week, up to the Present time) shall be provided. Selectable range, data intervals, and X-Axis resolution shall be as specified for the "current" display range. "Date range" selection shall provide templated for the entry of year, month, date, hour, and minute for the beginning and the end of X-Axis data. Selectable data intervals and X-Axis resolution shall be as specified for the "current" range.

c. Data Manipulation: Within the selected X-Axis intervals of the selected A-Axis range of data, data manipulation options shall be template selectable as the actual, last, highest, lowest, or average of the actual data samples within each interval. For example, for data sampled every five minutes one might select the highest value within every two hours for the past week. From that display, noting the two hour period with the peak value, the operator may subsequently request a display of actual values every five minutes for the related two hour period.

d. Point Group Displays: Point group displays shall be set-up by selecting each point desired to be displayed in a logical trend group and either setting up a new group with appropriate group name (such as AHU RETURN AIR TEMPS) or selecting an existing group from a drop-down menu. Group displays shall then be initiated by selecting a top-level menu-bar option trend, and selecting a trend group from a subsequent drop-down menu. From this point, template selectable display options shall be as specified for single point displays (i.e., current, previous, date range, actual, highest, lowest, average).

3. Trend Presentation Options: After defining a desired trend display as above, selectable presentation options of display, print, or spreadsheet shall be available.

a. Display: Selecting "Print" shall initiate an immediate printout of the same data values used to construct the above curve plot.

Print format shall include a header with a time column and eight eight-digit value columns of data. The appropriate engineering unit shall be at the head of each column. The print header shall include a column point descriptor legend and an English description of the trend display set-up options as specified for the "display" option.

b. Spreadsheet: Selecting the spreadsheet option shall present the display values (after data manipulation) in a spreadsheet (Microsoft Excel) format. From this screen, the user may edit the values to correct problems (missing data, failed sensors, errors). After editing, display or print options specified above may be executed, or any other standard spreadsheet data manipulation options may be exercised.

2.09 DATA AND CONTROL (D/C) SUMMARY

A. Each analog point shall have unique DCP and TEC resident dual high and dual low limit alarm thresholds set in engineering units. Where specified, floating (a band above and below a set point) alarm limits shall be provided.

B. Each digital output shall have a software-associated monitored input. Any time the monitored input does not track its associated command output within a programmable time interval, a "command failed" alarm shall be reported.

C. Where calculated points (such as CFM) are shown, they shall appear in their respective logical groups. The respective unconditioned raw data (such as logarithmic differential pressure) points shall also be grouped into a special group for display and observation independent of the logical groups.

2.10 VARIABLE SPEED FAN CONTROL

A. Temperature Transmitter: Selectable span to meet the individual application requirements.

B. Optical Loop Isolator: To provide protection against RFI and signal line spike interference.

C. Power Supply: 120 V ac to a maximum of 35 V dc while supplying the current necessary for the transmitter, receiver, and indicator.

D. Receiver Controller: Input of 4 to 20 mA, adjustable output zero and span; proportional direct or reverse acting output of a signal level and type as required as an input to the fan speed controller; grounded or ungrounded output as needed by the drive, capable of PID control.

E. Signal Selection: Low signal discrimination so that the drive is operated from the point in the hydronic system with the greatest offset below the set point temperature.

F. Indication: The temperature at each transmitter shall be indicated at the receiver controller.

G. Operation: Each noted point in the system shall have a receiver controller and a separate set point. The fan drive, speed, shall be automatically adjusted to maintain the temperature to satisfy the controlling set point. The speed of the drive shall ramp in the direction of large changes and shall soft start the fan.

H. Signal Wire ,20 gauge shielded twisted pair: Provide signal wire as recommended by the Company producing the system. Soft ground the wire shield.

2.11 VARIABLE SPEED PUMP CONTROL

A. Differential Pressure Transmitter: Selectable span to meet the individual application requirements, approximately 30 pound minimum span; 500 pound operating system pressure; wetted materials to be brass and berylium copper; 4 - 20 mA transmission signal capable of operating with a loop resistance up to 1100 ohms.

B. Optical Loop Isolator: To provide protection against RFI and signal line spike interference.

C. Power Supply: 120 V ac to a maximum of 35 V dc while supplying the current necessary for the transmitter, receiver, and indicator.

D. Bypass Block: A 3 valve manifold for the transmitter to include 2 shut-off valves and 1 by-pass valve.

E. Receiver Controller: Input of 4 to 20 mA, adjustable output zero and span; proportional direct or reverse acting output of a signal level and type as required as an input to the pump speed controller; grounded or ungrounded output as needed by the drive, capable of PID control.

F. Signal Selection: Low signal discrimination so that the drive is operated from the point in the hydronic system with the greatest offset below the set point differential pressure.

G. Indication: The differential pressure at each transmitter shall be indicated at the receiver controller.

H. Operation: Each noted point in the hydronic system shall have a receiver controller and a separate set point. The pump drive, speed, shall be automatically adjusted to maintain the differential pressure to satisfy the controlling set point. The speed of the drive shall ramp in the direction of large changes and shall soft start the pump.

I. Signal Wire, 20 gage shielded twisted pair: Provide signal wire as recommended by the Company producing the system. Soft ground the wire shield.

2.12 MISCELLANEOUS ELECTRIC/ELECTRONIC AND MECHANICAL DEVICES

A. Input/output sensors and devices shall be closely matched to the requirements of the DCP for accurate, response, noise free signal input/output. Control input response shall be high sensitivity and matched to the loop gain requirements for precise and responsive control.
   1. In no case shall computer inputs be derived from pneumatic sensors or thermocouples.

B. All electric switch devices shall be selected for the applied load and UL listed for the application.

C. All aquastats shall be provided with a separable copper, monel or stainless steel well.

D. Provide NEMA 1 enclosures for all switching devices.

E. Unless otherwise specified or indicated, the following features are required for the equipment specified:
   1. Control valves shall be 125 or 150 lb. class. Valves shall have stainless-steel stems and spring loaded Teflon packing with replaceable discs.
      a. All modulating straight-through water valves shall be furnished with equal-percentage contoured throttling plugs. Valves shall be sized for a pressure drop equal to the coil they serve but not less than 4 psi. Size chilled water and heating hot water control valves, for a 4 psig drop, unless otherwise noted on drawings.
      b. All modulating steam valves shall have linear characteristic for 90 percent of the closing stroke and equal-percentage for the final 10 percent. Size low pressure steam valves for a 10 psig inlet pressure and a pressure drop of 8 psig, unless otherwise noted on drawings. On low pressure steam systems, when load exceeds the capacity of 2-1/2" valve, provide two valves each controlling 50 percent of load.
   2. Safety low limit shall be manual reset twenty foot limited fill type responsive to the coolest section of its length.
   3. Temperature sensors shall be Resistance Temperature Detector (RTD) type with 500 ohm balco, 100 or 3000 ohm platinum.
      a. Resistance shall be 100 ohms at 32 degree F with a minimum accuracy of 0.5 degree F through the range of 32 degree F to 212 degree F.
      b. Space temperature sensors shall be provided with vandal resistant type locking covers.
      c. Duct temperature sensors shall be averaging type elements for sensing mixed air temperatures in ductwork, with sufficient length or sufficient number of elements, so as to efficiently measure the air temperature through the entire cross section of duct.

d. Water temperature sensors shall be provided with a separable copper, monel or stainless steel well.

e. Outside air wall mounted sensors shall be provided with a sun shield.

4. Thermistors:

a. Precision thermistors may be used in temperature sensing applications below 200 degrees F, as identified on the project drawings or where allowed in this specification.

b. Sensor accuracy over the application range shall be 0.36 degrees F or less between the range of 32 degrees F to 150 degrees F. Sensor manufacturer shall utilize 100 percent screening to verify accuracy. Thermistors shall be pre-aged, and inherently stable. Stability error of the thermistor over five years shall not exceed 0.25 degrees F cumulative.

c. Sensor element and leads shall be encapsulated. Bead thermistors shall not be allowed. A/D conversion resolution error shall be kept to 0.1 degrees F. Total error for a thermistor circuit shall not exceed 0.5 degrees F, which includes sensor error and Control Unit A/D conversion resolution error.

d. Provide thermistor and Control Unit manufacturer documentation including Contractor's engineering calculations, which support the proposed thermistor input circuit will have a total error of 0.5 degrees F or less.

5. Water flow analog sensors shall be provided complete with flow element and shall be an all solid state precision industrial type with stainless steel meter body, maximum error of no more than 1-1/2 percent of span, at flow rates between 1 and 30 FPS and 4 to 20 mA output. Sensor shall be rated for 250 psi minimum. Sensor shall be replaceable while leaving piping in service at normal operating pressure.

6. Differential and Static Pressure Sensors and Switches:

a. Air flow and static pressure analog sensors shall be high accuracy suitable for the low velocity pressures to be encountered, be selected for approximately 50 percent over range, and have a 4 to 20 mA output. These differential pressure sensors shall be connected to the air flow measuring station with valved lines for testing and calibration, and shall have adjustments for zero and span.

b. Pressure Transducer: All pressure transducers for sensing static pressure in ductwork shall be of the electronic type and provide an output signal of zero to ten volts DC, two to ten volts DC, or four to twenty milliamps. All transducers shall provide an accuracy of 2 percent of full scale or better, a repeatability of 0.5 percent of full scale or better, and a hysteresis of 1 percent or less. The effect of ambient temperature variations shall be less than 2 percent of full scale for ambient temperature changes from 10 degrees C to 40 degrees C (50 degrees F to 104 degrees F). The effects of variation in line voltage shall be less than 1 percent of full scale for voltage changes corresponding to 10 percent of the nominal line voltage. The span of each transducer

shall be as indicated on the drawings. Each transducer shall have a zero and span adjustment.

7. Air Flow Measuring Station:
   a. Type: Permanent, in-place, direct reading velocity and static pressure measuring station; Model FMS-W by Cambridge Air Sentinel Products, Syracuse, NY.
   b. Casing:
      1) 16 gage galvanized steel construction for installation in galvanized steel duct.
      2) 16 gage stainless steel for installation in stainless steel duct.
   c. Sensors: One piece leak-free type of non-lifting airfoil configuration with copper collectors.
      1) Interconnecting Tubing: Internal to unit with exception of one total pressure and one static pressure connection.
      2) Total and Static Sensing Ports: Positioned in extruded sensor on equal area basis in accordance with ASHRAE pilot tube traverse guidelines.
         a) Units with Face Area Less than 4 sq ft: Maximum of 16 sq in per total pressure port and 48 sq in per static pressure port.
         b) Units with Face Areas 4 Sq Ft and Larger: Maximum of 36 sq in per total sensor port and not exceeding 64 ports.
         c) Interconnected extruded sensors and collectors shall average and relate each type of pressure measurement into one total pressure and one static pressure metering port.
   d. Design Data:
      1) Maximum Resistance to Air Flow: 12 percent of velocity head at any given air flow.
      2) Maximum Temperature: 220 degrees F continuous operation with intermittent exposure up to 250 degrees F.

8. Air Flow Sensor: IAQ Enforcer, by EBTRON Inc., 1663 Hwy. 701 South, Lork, SC 29569.
   a. IAQ Enforcer Central Processing Panel.
      1) Electronics: Microprocessor Based, totally solid state.
      2) Display: Back lighted 80 Character, multi-line, alpha numeric.
      3) Keyboard: Sixteen key.
      4) Satellite Sensor Inputs: 4 Satellite Sensor Ports.
         a) Satellite per panel: 28 maximum.
      5) I/O: 12 Plug-in Cards.
         a) Analog output: 0-5 or 0-10 VDC, 4-20 mA, 0.01 percent F.S. resolutions.
      6) Power Requirement: 24 VAC, isolated from other devices and not grounded. Multiple IAQ Enforcer Panels wired from a single transformer must be in phase.
      7) Dataloger: Outside Air Flow Rates.

a) Reading: 4096 events.
b) Frequency of events: Use programmable.
c) Download Method: RS 232 with factory provided software.

8) Panel Operating Ranges:
a) Temperature: 45 degrees F to 120 degrees F.
b) Humidity: 0-95percent RH.

9) User Programmable Options:
a) User selectable scaling and display output.
b) Multi-point recalibration routine.

10) Diagnostics: Complete sensor hardware.

11) Power Loss Protection:
a) Program Memory: EEPROM.
b) Log: Lithium Battery.

12) Electronic Enclosure:
a) Powder Coated Steel, Indoor Use Only.

b. Air Flow and Temperature Measurement: Thermal anemometer using instrument grade self heated thermistor sensors with thermistor temperature sensors. Flow measurement drift shall not exceed Manufacturers repeatability statement for the life of the equipment. Vortex shedding arrays are not acceptable. Pitot tube and differential pressure sensing arrays are not acceptable. Auto zeroing sensors are not acceptable.

1) Flow Station Construction
a) Type: Duct Mounted.
b) Sensor: Glass excapsulated self heated thermistor and epoxy encapsulated temperature sensor.
c) Sensor Housing: Noryl standard.
d) Sensors per satellite probe: 1 to 8.
e) Support Struts: Tubular aluminum 6061 standard.
f) Supporting Bracket: Aluminum 6063 standard.

2) Electronics:
a) Type: Microprocessor Based, totally solid state, industrial grade integrated circuits.
b) Electrical Connections Electronics to IAQ Enforcer Panel: 3 conductor, 22 AWG.
c) Enclosure: Aluminum.

3) Performance:
a) Electronics temperature range: -20 degrees F to 160 degrees F.
b) Flow station temperature range: -20 degrees F to 160 degrees F.
c) Flow station velocity range: 0 to 5000 ft/min.
d) Flow station pressure drop: less than 0.005 inch wg at 2000 ft/min.
e) Flow station humidity range: 0 to 99 percent RH (non condensing).
f) Digital Output Signals to IAQ Enforcer:

(1) Sensor velocity accuracy: +/- 10 ft/min. >500 ft/min., +/- 2 percent reading <500 ft/min.
(2) Sensor temperature accuracy: typical 0.18 degrees F, max. 0.36 degrees F.
(3) Repeatability, +/- 0.2 percent scale.

c. Ebtron Series- P Duct Mounted Satellite Sensor:
1) Flow Station Construction:
a) Type: Duct Mounted.
b) Sensors: Glass encapsulated self heated thermistor and epoxy encapsulated temperature sensor.
c) Sensor Housing: Noryl standard.
d) Sensor per satellite probe: 1 to 8.
e) Support Struts: Tubular aluminum 6061 standard.
f) Supporting Bracket: Aluminum 5052 standard.
g) Connecting Cable: Plenum Rated PVC. UL Standard 13, Type CL2P with twist lock connector to remote electronic panel.
2) Electronics:
a) Type: Microprocessor Based, totally solid state, industrial grade integrated circuits.
b) Electrical Connections Electronics to IAQ Enforcer Panel: 3 conductor, 22 AWG.
c) Enclosure: Aluminum.
3) Performance:
a) Electronics temperature range: -20 degrees F to 160 degrees F.
b) Flow station temperature range: -20 degrees F to 160 degrees F.
c) Flow station velocity range: 0 to 5000 ft/min.
d) Flow station pressure drop: less than 0.005 inches wg at 2000 ft/min.
e) Flow station humidity range: 0 to 99 percent RH (non condensing).
f) Digital Output Signals to IAQ Enforcer:
(1) Sensor velocity accuracy: +/- 10ft./min. >500 ft./min, +/- 2 percent reading <500 ft./min.
(2) Sensor temperature accuracy: typical 0.18 degree F, max. 0.36 degree F.
(3) Repeatability: +/- 0.2 percent scale.

d. Ebtron Series-Fan Inlet Satellite Sensor.
1) Flow Station Construction:
a) Type: Fan Inlet.
b) Sensors: Glass encapsulated self heated thermistor and epoxy encapsulated temperature sensor.
c) Sensor Housing: Nylon.

d) Sensors per inlet: 2 sensors.
e) Support Struts: Steel, adjustable to fit inlet.
f) Supporting Bracket: Nylon.

2) Electronics:
a) Type: Microprocessor Based, totally solid state, industrial grade integrated circuits.
b) Connecting Cable Flow Sensor to Electronics: Plenum Rated, NEC Type CL2P.
c) Electrical Connections Electronics to IAQ Enforcer Panel: 3 conductor, 22 AWG.
d) Enclosure: Aluminum.

3) Performance:
a) Electronics temperature range: -20 degrees F to 160 degrees F.
b) Flow station temperature range: - 20 degrees F to 160 degrees F.
c) Flow station velocity range: 0 to 10,000 ft. min
d) Flow station humidity range: 0 to 99 percent RH non condensing.
e) Digital Output Signal to IAQ Enforcer:
(1) Sensor velocity accuracy: +/- 10 ft./min. >500 ft. min., +/-2 percent reading <500 ft./min.
(2) Sensor temperature accuracy: typical 0.18 degree F, max. 0.36 degree F.
(3) Repeatability: +/- 0.2 percent scale.

9. Temperature or humidity control equipment with sensing elements or probes for insertion in insulated equipment or insulated ductwork: Provide flanges or sockets of the extension neck type, so as to finish flush with final insulated surface.

10. Flow Sensor for Water:
a. Type: Model DNT (1/2 inch to 2 inch sizes) and Model DCR (2 inch to 24 inch sizes) by Dieterich Standard Corp., Boulder, CO.
b. Features:
1) Diamond cross sectional shaped sensing tube which causes flow separation to occur at a fixed point independent of flow rate, pressure or temperature, resulting in stable flow coefficient over a wide range of Reynolds numbers.
2) Each flow sensing unit complete with blow out proof mounting hardware, instrument shutoff valves and connections for electronic transmitter.
3) Nameplate: Permanently attached to flow sensor indicating design flow rate, meter reading for design flow rate, metered fluid, line size, and station number or location.
4) Construction: Rated up to 600 psi ANSI equivalent (1440 psig at 100 degrees F) with type 316L stainless steel sensing element and mounting coupling constructed of material compatible with piping.

5) Accuracy: Flow element shall be within +1 percent of actual flow rate over a minimum flow turndown of 10:1. The bi-directional primary sensing device shall be accurate to within +1 percent.
6) Repeatability: +0.1 percent of actual valve over flow range.
7) Differential Pressure Transmitter: Model FCX by ITT Barton.
a) Consists of silicone based variable capacitance sensor, Type 316 stainless steel body, Hastelloy C isolation diaphragm, silicone fill fluid, and NEMA 4X enclosure with local digital indication in engineering units.
b) Provides 4 - 20 mA outlet signal and capable of minimum 20:1 turndown with accuracy of +0.1 percent of calibrated span up to 10:1 turndown, including combined effects of linearity, hysteresis and repeatability.
c) Power Supply: 11 - 45 Vdc two wire.

11. Current Sensor for Fan or Pump:
a. Unit Status: Solid-State Status Sensor.
1) Output rating: 0.2 A at 30 Vdc.
2) Input rating: 0 to 135 ampere continuous.
3) Sensor supply current induced from monitored conductor. Minimum conductor current required 1A. Maximum rating 135.
4) Isolation: 600 Vac RMS.
5) Trip set-point: Adjustable to +1 percent.
6) Temperature range: -15 degrees C to 85 degrees C.
7) Humidity range: 0 to 95 percent non-condensing.
b. Motor Amperage: Analog Current Sensor.
1) Sensor Output rating: 0 to 5 Vdc.
2) Monitor amperage 0 to 60 ampere continuous.
3) Sensor supply current induced from monitored conductor.
4) Isolation: 600 Vac RMS.
5) Span: 0 to 10 ampere min., maximum 0 to 60 amperes.
6) Accuracy: 2 percent, all scales, when current greater than 10 percent of scale.
7) Humidity range: 0 to 95 percent non-condensing.

12. Humidity Sensor: Model 534636 by Landis and Staefa, Inc.
13. Water Detection Sensor: Unit shall have gold plated adjustable sensing probes to detect water from 0 to 1/8 inch above surface. All electronic circuitry shall be encapsulated in epoxy to protect from dirt, fungus and short term immersion in water. Unit shall provide 100db alarm when activated. Unit shall provide DPDT (2 form C) relay contact outputs rated at 1amp@28vdc max for tie-in to building management. Unit shall be powered by electrical power cord with 24V transformer plugged into a common electrical outlet. 5 year warranty minimum.

14. In-Line Cooling Condensate Overflow Safety Switch: Schedule 40 PVC 3/4” 90º (tee) housing, 3/4” MNPT x 3/4” male slip adapter, 3/4" PVC plug and 1" x 3/4"PCV bushing. Designed to detect downstream clogs or blockages in condensate drain, installs directly to primary drain pan outlet or in-line on the condensate drain piping in either a horizontal or vertical position. Dual switch contacts allow NO and/or NC operation, suitable for 24 VAC Class 2 circuit, 5 amp switching capacity, includes two 18 gauge, 72 inch leads.

2.13 AUTOMATICALLY OPERATED DAMPERS

A. Dampers:
1. Size dampers for linear flow output, with a maximum damper leakage of 30 cfm per square foot of projected area at 3 inch static pressure.
2. Provide dampers and seals suitable for service from -40 degrees F to 200 degrees F, with closed cell neoprene edging seals, spring loaded stainless steel side seals and adjustable baffles for full size adjustment.
3. Provide dampers in 2 inch size increments from 8 inches horizontal and vertical to 48 inches. For requirements over 48 inches in size provide standard modules with interconnecting hardware.
4. Dampers shall be of the multiple interlocking V-grooved blade type with nylon or oil impregnated bronze bearings, zinc plated steel shafts and hardware with a corrosion resistant finish. Provide blades a maximum of 8 inches in width with the overall construction designed to prevent leakage in the closed position, complete with solid stops.
5. Fabricate frames in steel ductwork from No. 13 USS gage galvanized steel and blades of No. 16 USS gage galvanized steel, with a factory baked black enamel finish.
6. Fabricate frames in aluminum ductwork from No. 14 B & S gage extruded aluminum and blades of No. 14 B & S gage aluminum.
7. Proportional control dampers shall be rated by the manufacturer as suitable for use at 3000 fpm face velocity.
8. Equipped with required type of actuator, pneumatic or electric/electronic.

2.14 ACTUATORS

A. Type: All actuators shall be electric/electronic.

B. Actuators shall be factory selected, mounted and tested for proper operation based on unit size, type, and torque requirements.

C. Electric/Electronic Actuators:
1. Damper Actuators:
   a. Electric/Electronic, positive positioning, spring return, sized to stroke damper smoothly throughout its range.
      1) All outdoor air dampers shall fail closed upon electric power loss.
   b. Actuator response shall be linear in response to sensed load.
   c. Voltage to suit system voltage.

2. Valve Actuators:
   a. Electric/Electronic, positive positioning to suit valve body and service.
   b. Fully proportional, spring return for normally open or normally closed operation as required.
      1) All heating valves to fail open upon electric power loss.
      2) All cooling valves to fail closed upon electric power loss.
   c. Voltage to suit system voltage.

2.15 MARKERS AND NAMEPLATES

A. Markers: Premarked self-adhesive; W.H. Brady Co.'s B940, Thomas and Betts Co.'s E-Z Code WSL self-laminating, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers.

B. Nameplates: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inch high.
   1. Phenolic: Two color laminated engraver's stock, 1/16 inch minimum thickness, machine engraved to expose inner core color (white).
   2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.
   3. Materials for Outdoor Applications: As recommended by nameplate manufacturer to suit environmental conditions.

2.16 ACCESSORIES

A. Include accessories required to perform the functions specified and indicated on the drawings.

2.17 WIRING

A. See Section 260502.

2.18 THERMOSTAT/TEMPERATURE SENSOR GUARDS

A. Model TG Series 16 by Shaw Perkins:
   1. Cover: Top, front and bottom, 16 gauge perforated steel, 1/8 inch perforations on 3/16 inch centers.
   2. Sides and mounting frame: 14 gauge steel.
   3. Fastener: 1/4x3/8 inch tamper resistant torx or allen head center post.
   4. Finish: Baked enamel finish.

2.19 REFRIGERANT SENSOR (MONITOR)

A. Type: Model RMWC by Trane Co., LaCrosse, WI.

B. Features:
   1. Sensitivity: Compound specific with measurement and display range of 0-1000 ppm and accuracy of +1 ppm.

2. Alarm Outpouts: Three levels of concentration alarms.
3. Analog Outputs: 0 -10 V dc and 4 to 20 mA output.
4. Ratings: 40-110 degree F ambient.
5. Enclosure: NEMA - 4 construction.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

A. Testing Existing Sub-Systems:
1. Prior to installing the new system, test the existing sub-systems to ascertain their operating condition.
2. Conduct tests that are disruptive to facility personnel after normal working hours as directed.
3. Prepare a written report for the Director's Representative indicating the repairs required, if any, to make the existing sub-systems function properly.
4. Repairs to the existing sub-systems are not included in the Work unless requested by Order on Contract.

B. Interruptions to Existing Sub-Systems:
1. Maintain the existing sub-systems in their present condition to the extent possible while installing new Work.
2. Prior to making changes or removals relative to the existing sub-systems, notify the Director's Representative and have procedures approved.

3.02 INSTALLATION

A. Install system in accordance with the Company's printed instructions unless otherwise indicated.

B. Install and properly support all ductstats, dial thermometers, thermostat bulbs, temperature and humidity controllers in the center of duct cross section, in a straight duct run.

C. Temperature or humidity control equipment installed on insulated surfaces: Provide extension pieces or rigid insulating mounting back plates, of depth as required, so that equipment backs finish flush with final insulated surface.

D. Identification, Labeling, Marking:
1. Identification of Circuits: Identify wires and cables by system and function in interconnection cabinets, POSs and DCPs to which they connect with premarked, self-adhesive, wraparound type markers. Designations shall correspond with point to point wiring diagrams.
2. Battery Data: Insert a copy of the battery warranty in each battery compartment and mark on batteries the date placed in service.

3.03 FIELD QUALITY CONTROL

A. Preliminary System Test:
   l. Preparation: Have the Company Field Advisor adjust the completed system and then operate it long enough to assure that it is performing properly.
   2. Run a preliminary test for the purpose of:
      a. Determining whether the system is in a suitable condition to conduct an acceptance test.
      b. Checking and adjusting equipment.
      c. Training facility personnel.
   3. Also perform a witnessed validation demonstration consisting of:
      a. Running each specified report.
      b. Display and demonstrate each data entry template to show site specific customizing capability. Demonstrate parameter changes.
      c. Execute menu tree.
      d. Display graphics, demo update.
      e. Execute digital and analog commands in English and graphic mode.
      f. Demonstrate freeform address assignments and commands.
      g. Demonstrate all specified diagnostics.
      h. Demonstrate DDC loop precision and stability via trend logs of inputs and outputs (6 loops minimum).
      i. Demonstrate scan, update, and alarm responsiveness.

B. System Acceptance Test:
   l. Preparation: Notify the Director's Representative at least 3 working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
   2. Make the following tests:
      a. Test system operational functions step by step as summarized in the detailed description of system operation.
      b. Test monitor and control devices.
      c. For Lon Mark System Architectures: Demonstrate that each device meets Functional Profile for each application specified.
      d. Test all remote devices such as valve and damper actuators to demonstrate full range of motion in the "controllable range".
   3. Supply all equipment necessary for system adjustment and testing.
   4. Submit written report of test results signed by Company Field Advisor and the Director's Representative. Mount a copy of the written report and in a Plexiglas enclosed frame assembly adjacent to the POS.

C. Post System Acceptance Test: Deliver Portable Operator's Terminal, and appurtenances to the Director's Representative as specified under Paragraph 1.02 A.

3.04 POINT DESCRIPTION, PROGRAM LIST, AND SEQUENCES

A. General:

1. Points listed are the minimum number of points to be provided. Provide additional points as required to satisfy the sequence and operational requirements.
2. Provide spare points. After the system has been completed and tested, the following minimum quantity of spare points shall be available for future connection at each DCP:
   a. Binary inputs: 2.
   b. Binary outputs: 2.
   c. Analog inputs: 1.
   d. Analog outputs: 1.
3. Provide proportional-integral-derivative algorithms for all control programs.
4. Determine, through operation of the system, proportional bands, interval time, integral periods, adjustment rates, and any other input information required to provide stable operation of the control programs.
5. Where primary and standby pumps are provided, programming shall provide for alternating operation of pumps each time the system starts, and once per month during periods of continuous operation, unless otherwise indicated on Sequences. Provide automatic start-up of standby pump on failure of the pump which has been selected for operation. Failure is the inability to maintain the specified minimum differential pressure for a period of 60 seconds.
6. Provide proof of flow for fans. Fan proof-of-flow switches shall be adjustable set point and differential pressure type. Switches shall be piped to fan discharge except where fans operate at less than one inch W.C., they shall be piped across the fan. For fractional horsepower and non-ducted fans, relays or auxiliary contacts may be used. Maximum pressure rating shall be at least 10 inches W.C.
7. Provide proof of flow for pumps. Pump proof-of-flow switches shall be adjustable set point and differential pressure type. For fractional horsepower pumps, relays or auxiliary contacts may be used.
8. The system-wide outdoor air temperature and outdoor air humidity signals shall each consist of the average of 3 sensors. The sensors shall be located in the fresh air intake serving each Air Handling Unit (3 Total).
9. The following definitions apply to the letter descriptors used in the point lists:
   a. RT - Run time of a piece of equipment. This shall be the total operating time since initial start-up of a piece of equipment.
   b. T - Indicates the point shall be trendable.
   c. A - Indicates the system shall alarm when the point is outside its range, or upon contact closure or opening.
10. All alarms shall be trendable. All equipment start/stops shall be trendable.
11. At a minimum, each sequence and accompanying point list shall be represented by an individual graphic. Each point listed shall appear on

the graphic. Where appropriate and approved, multiple sequences and point lists may be combined into a single graphic.

a. For analog outputs, display on the graphic the percent of full signal (percent open for valves and dampers, percent of speed for variable speed drives, percent open for vortex dampers, etc.).
b. For analog outputs controlled by analog inputs, provide a probe at the graphic to redefine the proportional, integral, and derivative gains.
c. Alarm set points and ranges shall be resettable from the graphic. Control set points and ranges shall be resettable from the graphic.
d. Where average point values are called for in the sequence, the average value shall be displayed on the graphic. In response to a probe on the graphic, the individual sensor values and sensor locations shall be displayed.

12. Where dampers operate in conjunction with fan operation, the damper open signal shall precede the fan start signal by 10-15 seconds. The damper close signal shall be delayed 10-15 seconds after the fan stop signal.

3.05 SEQUENCES:

A. General:

1. All setpoints and schedules shall be adjustable through operator interface with no additional programming required.
2. Provide adjustable deadband for all setpoints so as not to excessively cycle equipment.
3. Provide control components compatible with individual manufacturer's equipment.
4. Provide supply and return duct mounted temperature sensors in accessible locations for temperature control of Air Handling Unit systems. Locate return duct sensor downstream of last branch of the air handling unit return air duct connection.
5. Provide return duct mounted temperature sensors in accessible locations for temperature control of Cabinet Unit Heaters.
6. Provide duct mounted temperature sensors in accessible locations downstream of duct mounted heating coils.
7. Provide flat metal wall plate temperature sensors for temperature control of individual spaces (entries, vestibules, counseling, etc) mounted 52 inches above floors.
8. Upon a signal from the fire alarm panel, air handling equipment shall be shut down and outside air dampers shall close.
9. Provide the following general sensors: Outdoor air temperature and Outside air humidity. For each building provide points to indicate fire alarm status.
10. Air systems are constant volume. For all Variable Frequency Drives (VFD) associated with fans, provide a manual speed adjustment and frequency display accessible thru the graphic screen of the associated equipment.

11. Note: Air handling unit outside air and return air dampers are separated from one another in the duct system and must track in opposition.

B. Buildings 77 / 78:

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Hot Water Pump VFD Speed				X	
Hot Water Pump Status	X				
Hot Water Pump Start/Stop			X		
Hot Water Pump VFD Fault	X				

1. Primary Hot Water Pump Control:
   a. The lead primary hot water pump shall selected by the DDC. When outdoor temperature drops below 65 DegF the hot water pump shall be energized. If pump fails to start the lag pump shall be energized and an alarm signal generated
   b. The pump speed shall be modulated to maintain a constant differential pressure at a remote point in the distribution system as indicated on the drawings.

2. Air Handling Units:

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Final Filter Differential Pressure		X			
Return Air Temp		X			
Return Air Humidity		X			
Supply Air Temp		X			
Zone Temp		X			
Heating Valve				X	
Supply Fan VFD Speed				X	
Mixed Air Dampers				X	
Freezestat	X				
Return Air Smoke Detector	X				
Supply Fan Status	X				
Supply Fan VFD Fault	X				
Cooling Stage			X		
Supply Fan Start/Stop			X		

a. General The air handling unit shall consist of a supply fan, DX cooling coil, a hot water coil with modulating hot water coil control valve, and filter.

b. Sequences:

1.) General: The air handling unit fan motor shall be energized and de-energized via variable frequency drives provided by the Energy Management System.

2.) Shut Down/Start Up:

a) Shut down: The air handling unit fans shall be de-energized, the outdoor air damper shall close and return air damper shall open (via spring return actuator(s)) under the following conditions:

i. The air handling unit is turned off through the Energy Management System.

ii. The air handling unit is turned off by the fire alarm panel. The fan drives shall de-energize independently of the DDC and the position of the supply fan controls.

iii. The air handling unit is turned off using the selector switch on the VFD fan controls.

iv. Low Temperature Limit Shut down: If a low temperature limit up stream of the heating coil senses a temperature below 34 DegF, the air handling unit fans shall be de-energized independent of the selector switch position, the outdoor air damper shall close and return air damper shall open (via spring return actuator(s)) and the hot water valve shall return to the full open position. Provide one restart through DDC software. Manual reset shall be required on subsequent low temperature alarm condition. The low temperature limit shall be serpentined on the outlet side of the hot water coil.

b.) Start up: The air handling unit fans and dampers shall be energized when all the following conditions are met:

i. The air handling unit is turned on during the occupied mode through the Energy Management System.

ii. Low temperature limit(s) are above 37 DegF.

iii. The supply fan variable frequency drive starter is in the "Run" or "Auto" position.

c.) Temperature Control:

i. Temperature Sensing: Temperature sensors shall be installed in the supply, return, outdoor and mixed air streams.

ii. Space temperature sensors shall be provided to control the unit speed and discharge temperature as indicated below.

iii. Temperature Setpoint: The air handling unit heating and cooling controls shall modulate to maintain a discharge air temperature of 55 DegF when the average space temperature is above 70 DegF. When the average space temperature is below 70 DegF, the discharge air temperature shall be reset to90 DegF (adjustable). The air handling unit speed shall be modulated to maintain space temperature. The air handler shall increase speed to delivery more 55-degree or 90-degree air to the space and then shall modulate back to the minimum air volume that will maintain space temperature. Once the air handler has reached minimum air flow, the 55-degree discharge shall ramp up and the 90 degree discharge ramp down to prevent over cooling or overheating.

d.) Occupied Mode:

i. Heating mode shall be allowed only when the outdoor air temperature falls below 65 DegF. The DX shall be off and the hot water valve shall modulate open to maintain the supply air temperature setpoint. If the outdoor air temperature drops below 42 DegF, the hot water valve shall go to the full open position (normal position) to achieve supply air temperature setpoint.

ii. Cooling mode shall be allowed only when the outdoor air temperature is above 65 DegF. The hot water valve

shall be closed. A signal for cooling shall energize the condensing unit, and the system shall self modulate to maintain a discharge air temperature setpoint.

iii. Minimum ventilation air volumes shall be set based on the air flows indicated on the drawings and equipment schedules.

iv. Fans: The fan(s) shall operate continuously during occupied hours to provide ventilation.

e.) Economizer

i. During cooling mode cooling stages shall cycle to maintain the discharge air temperature setpoint 55 degrees F (default) to satisfy the return duct temperature setpoint. Provide compressor(s) enable/disable.

1.) Provide differential enthalpy economizer operation to modulate outside air and return air dampers from minimum outdoor air position to 100% outdoor air to maintain space temperature setpoint. Optimization control shall cycle cooling stages during economizer operation if deemed efficient to do so. Provide mixed air low limit control to prevent mixed air temperature from dropping below the discharge air temperature setpoint.

2.) During economizer operation, the respective air handling unit's exhaust fan shall track the outdoor air damper position. The exhaust fan speed shall be off at nominal ventilation position, above nominal position the fan shall start to discharge 1/3 of scheduled airflow and then track the damper position to full open and 100% (60Hz) fan speed.

f.) Fan Speed Control:

i. Speed Setpoint:

ii. The air handling unit supply fan speed shall modulate to maintain space temperature of 70F (adj) during heating mode, and 73F (adj) during cooling mode.

iii. Alarms to be generated at low speed and at high speed as sensed by the fan motor current sensor.

g.) Accessories:

i. Air handling unit filter differential pressure switches shall alarm when a preset limit is exceeded (0.60-inch w.g. (adj)).

3. Hot Water Cabinet Heaters

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Discharge Air Temp		X			
Zone Setpoint Adjust		X			
Zone Temp		X			
Heating Valve				X	
Fan Status	X				
Fan Start/Stop			X		

a. Cabinet Heater Control: Provide single-temperature room thermostat to cycle fan motor to maintain constant space temperature.

b. Cabinet Heater Control: Provide single-temperature thermostat, mounted in the space, to cycle fan motor to maintain constant space temperature.

1.) Provide strap-on aquastat on unit return piping, within cabinet piping end pocket, to de-energize fan motor when fluid temperature falls below adjustable setting of aquastat.

2.) Provide single-temperature room thermostat to cycle fan motor and electric element to maintain constant space temperature. Provide integral residual heat sensor to continue fan operation until element temperature falls below pre-setpoint.

c. General: The heaters consist of a supply fan and hot water heating coil.

d. The DDC supplier shall provide all necessary appurtenances such as all sensors, relays, and control and communication wiring for a complete installation.

e. Sequences:

1.) General: The fan motors shall be energized and de-energized via the Energy Management System.

2.) Shut Down/Start Up:

a.) Shut down: The cabinet heater fans shall be de-energized under the following conditions:

i. The heater is turned off through the Energy Management System.

ii. The heater is turned off using the selector switch on the start H-O-A switch.

b.) Start up: The heater fans shall be energized when all the following conditions are met:

i. The heater is turned on during the occupied mode through the Energy Management System.

ii. The starter is in the "Hand" or "Auto" position.

3.) Temperature Control:

a.) Sensors: Temperature sensors shall be supplied mounted and wired as shown on the drawings.

b.) Temperature Setpoints: Each cabinet heater shall be assigned a temperature setpoint and throttling range.

4.) Occupied Mode (note unoccupied mode does not pertain to these units):

a.) Should the space temperature rise above setpoint the fan shall be de-energized.

b.) Should the space temperature drop below setpoint, the fan shall be energized

4. Hot Water Unit Heaters

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Discharge Air Temp		X			
Zone Setpoint Adjust		X			
Zone Temp		X			
Heating Valve				X	
Fan Status	X				
Fan Start/Stop			X		

a. Line Voltage Control: Provide single-temperature room thermostat to cycle fan motor to maintain constant space temperature. Provide strap-on aquastat on unit return piping, to

de-energize fan motor when fluid temperature falls below adjustable setting of aquastat.

b. General: The heaters consist of a supply fan and hot water heating coil.

c. The DDC supplier shall provide all necessary appurtenances such as all sensors, relays, and control and communication wiring for a complete installation.

d. Sequences:

1.) General: The fan motors shall be energized and de-energized via the Energy Management System.

2.) Shut Down/Start Up:

a.) Shut down: The cabinet heater fans shall be de-energized under the following conditions:

i. The heater is turned off through the Energy Management System.

ii. The heater is turned off using the selector switch on the start H-O-A switch.

b.) Start up: The heater fans shall be energized when all the following conditions are met:

i. The heater is turned on during the occupied mode through the Energy Management System.

ii. The starter is in the "Hand" or "Auto" position.

c.) Temperature Control:

i. Sensors: Temperature sensors shall be supplied mounted and wired as shown on the drawings.

ii. Temperature Setpoints: Each cabinet heater shall be assigned a temperature setpoint and throttling range.

d.) Occupied Mode (note unoccupied mode does not pertain to these units):

i. Should the space temperature rise above setpoint the fan shall be de-energized.

ii. Should the space temperature drop below setpoint, the fan shall be energized

5. Exhaust Fans

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Fan Status	X				
Fan Start/Stop			X		

a. General: The DDC supplier shall provide all necessary appurtenances such as dampers actuators, sensors, relays, and control and communication wiring for a complete installation.

b. Sequences:

1.) General: The fan motors shall be energized and de-energized via the Energy Management System.

2.) Shut down: The fans shall be de-energized and the associated spring return motorized dampers closed under the following conditions:

a.) The fans are turned off through the Energy Management System.

b.) Fans shall be turned off by the fire alarm panel. The fan drives shall de-energize independently of the DDC and the position of the supply fan controls.

c.) The fans are turned off using the selector switch on the start H-O-A switch.

3.) Start up: The fans shall be energized and the motorized dampers opened when all the following conditions are met:

a.) The fans are turned on during the occupied mode through the Energy Management System.

b.) The starter is in the "Hand" or "Auto" position.

4.) Restroom Exhaust Control (applies to EF-_-1, EF-_-2, EF-_-3, EF-_-5, this applies too):

a.) Occupied Mode:

i. Fan shall run continuously.

6. Finned Tube Radiation

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Zone Temp		X			
Heating Valve				X	

a. General:

1.) The finned tube radiation includes two way modulating control valve.

2.) The DDC supplier shall provide all necessary appurtenances such as valve actuators, sensors, relays, and control and communication wiring for a complete installation.

3.) Sequences:

a.) Temperature Control:

i. Sensors: Temperature sensors shall be supplied mounted and wired as shown

on the drawings for each finned tube radiation section.

ii. Temperature Setpoints: Each shall be assigned an occupied temperature setpoint and throttling range, and an unoccupied setpoint and throttling range.

b.) Occupied Mode:

i. Heating Mode: Should the space temperature drop below setpoint (68 DegF) a heating demand signal shall be generated to energize the hot water pumps and the hot water valve shall modulate open to maintain setpoint.

C. Buildings 80/81/82

1. Heating Plant:

a. Coordinate sequence with boiler manufacturer's integral control system for both single boiler and dual boiler applications. Supply water temperature setpoint shall be adjustable thru BAS based on outdoor temperature reset schedule. On boiler graphics screen show system supply and return water temperature.

b. Whenever the OAT is below 60 degrees, the designated lead primary building distribution pump shall start and run continuously. Above 63 degrees OAT the pumps shall be off. If proof of flow is not established by the lead building distribution pump via current sensor, the standby pump shall start and an alarm shall be generated. Lead and standby pump assignments shall be determined by the BAS based on overall runtime and number of starts.

c. When the lead pump has proven operation for at least one minute, the boilers shall be enabled and the boiler manufacturer's control panel shall control the boilers. The boilers shall provide the discharge water temperature necessary to maintain the building distribution water supply temperature as determined by the reset schedule.

d. Each boiler's circulation pump shall be controlled by the boiler's integral control system.

e. Provide building distribution water supply temperature reset based on ambient temperature. Also provide a manual water supply temperature setpoint schedule which overrides the reset schedule – heating plant graphics screens shall indicate manual override operation whenever it is engaged.

f. If the heating hot water supply temperature varies by more than 10 degrees F from setpoint, an alarm shall be generated.

g. The BAS shall monitor the alarm status of each boiler's onboard controller and the glycol injection system, and generate a subsequent alarm.

h. Provide wiring for distribution pump proof of flow signal via current switch to boiler fire control.

2. Air Handling Units and associated Exhaust Fans (Bldg 81 & 82):
   a. The air handling units shall operate in either Occupied, Unoccupied, Warmup or Cooldown modes as scheduled. Optimization programming shall determine start time of occupancy mode.
   b. During Occupied mode, the supply fan shall operate continuously and the outside air and return air dampers shall modulate to provide the minimum ventilation air requirement. The respective exhaust fan shall be off and its shutoff damper closed.
      1) During heating mode modulate the heating coil control valve to maintain the discharge air temperature setpoint 90F degrees (default) to satisfy the return duct temperature setpoint.
      2) During cooling mode cooling stages shall cycle to maintain the discharge air temperature setpoint 55 degrees F (default) to satisfy the return duct temperature setpoint. Provide compressor(s) enable/disable.
         a) Provide differential enthalpy economizer operation to modulate outside air and return air dampers from minimum outdoor air position to 100% outdoor air to maintain space temperature setpoint. Optimization control shall cycle cooling stages during economizer operation if deemed efficient to do so. Provide mixed air low limit control to prevent mixed air temperature from dropping below the discharge air temperature setpoint.
         b) During economizer operation, the respective air handling unit's exhaust fan shall track the outdoor air damper position. The exhaust fan speed shall be off at nominal ventilation position, above nominal position the fan shall start to discharge 1/3 of scheduled airflow and then track the damper position to full open and 100% (60Hz) fan speed.
   c. During Unoccupied mode, the supply and exhaust fan shall stop, the outside air damper shall close, the return air damper shall fully open and the exhaust fan shutoff damper shall close.
      1) Whenever space temperature drops below the unoccupied setpoint temperature 60°F (default), the respective unit's supply fan shall operate and the unit's heating coil control valve and duct mounted coil control valves shall fully open. The supply fan shall stop and the coil valves shall close when the return duct temperature sensor and space temperature sensors satisfy.

d. During Warmup, the exhaust fan shall be off and damper closed, the outside air dampers shall be closed, the return air damper shall be fully open, the supply fan shall operate continuously, the heating coil control valve and duct mounted control valves shall fully open. When the return duct temperature sensor and space temperature sensors satisfy the system shall revert to occupied mode operation.

e. During Cooldown, the exhaust fan shall be off and damper closed, the outside air damper shall be closed, the return air damper shall be fully open, the supply fan shall operate continuously, the cooling stages shall cycle to maintain the occupied discharge air temperature setpoint. When the return duct temperature sensor is satisfied the system shall revert to occupied mode operation. Provide economizer cooling during favorable conditions.

f. Provide filter differential pressure switch, monitor and generate an alarm for dirty filters (default - 0.5" wc above clean filter).

g. Safety Controls:
   1) Shut down fans and close outdoor air damper whenever the building fire alarm is activated. Restart units when the alarm signal is cleared.
   2) Provide in-line condensate overflow safety switch. On high level signal the associated condensing unit shall shut down and an alarm shall be generated.

3. Air Handling Unit AHU-3-1 and associated Return Fan RF-3-1 (Bldg 80):
   a. The air handling unit and return fan shall operate in either Occupied, Unoccupied, Warmup or Cooldown modes as scheduled. Optimization programming shall determine start time of occupancy mode.
   b. During Occupied mode, the supply fan and return fan shall operate continuously, the outside air and return air dampers shall modulate to provide the minimum ventilation air requirement and the exhaust air shutoff damper shall be closed.
      1) During heating mode modulate the heating coil control valve to maintain the discharge air temperature setpoint 90F degrees (default) to satisfy the return duct temperature setpoint.
      2) During cooling mode cooling stages shall cycle to maintain the discharge air temperature setpoint 55 degrees F (default) to satisfy the return duct temperature setpoint. Provide compressor(s) enable/disable.
         a) Provide differential enthalpy economizer operation to modulate outside air and return air dampers from minimum outdoor air position to 100% outdoor air to maintain space temperature setpoint. Optimization control shall cycle cooling stages during economizer operation if deemed efficient to do so. Provide mixed air low limit control to prevent mixed air temperature from

dropping below the discharge air temperature setpoint. During economizer operation, the exhaust duct shutoff damper shall open.

c. During Unoccupied mode, the supply and return fans shall stop, the outside air and exhaust duct shutoff dampers shall close, the return air damper shall fully.
   1) Whenever space temperature drops below the unoccupied setpoint temperature 60°F (default), the supply fan and return fan shall operate and the unit's heating coil control valve and duct mounted coil control valves shall fully open. The supply fan and return fan shall stop and the coil valves shall close when the return duct temperature sensor and space temperature sensors satisfy.

d. During Warmup, the outside air and exhaust duct shutoff dampers shall be closed, the return air damper shall be fully open, the supply and return fans shall operate continuously, the heating coil control valve and duct mounted control valves shall fully open. When the return duct temperature sensor and space temperature sensors satisfy the system shall revert to occupied mode operation.

e. During Cooldown, the outside air and exhaust duct shutoff dampers shall be closed, the return air damper shall be fully open, the supply and return fans shall operate continuously, the cooling stages shall cycle to maintain the occupied discharge air temperature setpoint. When the return duct temperature sensor is satisfied the system shall revert to occupied mode operation. Provide economizer cooling during favorable conditions.

f. Provide filter differential pressure switch, monitor and generate an alarm for dirty filters (default - 0.5" wc above clean filter).

g. Safety Controls:
   1) Shut down fans and close outdoor air damper whenever the building fire alarm is activated. Restart units when the alarm signal is cleared.
   2) Provide in-line condensate overflow safety switch. On high level signal the associated condensing unit shall shut down and an alarm shall be generated.

4. Air Handling Unit AHU-3-2 and associated Exhaust Fan PRV-1 (Bldg 80):

a. The air handling units shall operate in either Occupied, Unoccupied, Warmup or Cooldown modes as scheduled. Optimization programming shall determine start time of occupancy mode.
   1) Kitchen hood exhaust fan operation shall supersede nominal operation. Provide signal for kitchen hood exhaust fan operation to BAS.

b. During Nominal Occupied mode, the supply fan and exhaust fan shall operate continuously and the outside air, return air and mixed air dampers shall modulate to provide the minimum

ventilation air requirement. The exhaust fan damper shall open prior to fan start.

1) During heating mode modulate the heating coil control valve to maintain the discharge air temperature setpoint 90F degrees (default) to satisfy the return duct temperature setpoint. Provide separate discharge air temperature setpoint for kitchen hood operation.
2) During cooling mode cooling stages shall cycle to maintain the discharge air temperature setpoint 55 degrees F (default) to satisfy the return duct temperature setpoint. Provide compressor(s) enable/disable.
    a) Provide differential enthalpy economizer operation to modulate outside air and return air dampers from minimum outdoor air position to 100% outdoor air to maintain space temperature setpoint. Optimization control shall cycle cooling stages during economizer operation if deemed efficient to do so. Provide mixed air low limit control to prevent mixed air temperature from dropping below the discharge air temperature setpoint.
    b) During economizer operation, the respective air handling unit's exhaust fan shall track the outdoor air damper position. The exhaust fan speed shall be off at nominal ventilation position, above nominal position the fan shall start to discharge 1/3 of scheduled airflow and then track the damper position to full open and 100% (60Hz) fan speed.

c. During Kitchen Hood Exhaust Fan Operation, the supply fan shall operate continuously, the outside air damper shall fully open and the return damper shall close. The exhaust fan shall be off and its shutoff damper closed.

1) During heating mode modulate the heating coil control valve to maintain the kitchen hood discharge air temperature setpoint 90F degrees (default).
2) During cooling mode cooling stages shall cycle to maintain the discharge air temperature setpoint 55 degrees F (default). Provide compressor(s) enable/disable.
    a) Provide differential enthalpy economizer operation to modulate outside air and return air dampers from minimum outdoor air position to 100% outdoor air to maintain space temperature setpoint. Optimization control shall cycle cooling stages during economizer operation if deemed efficient to do so. Provide mixed air low limit control to prevent mixed air temperature from dropping below the discharge air temperature setpoint.

d. During Unoccupied mode, the supply and exhaust fan shall stop, the outside air damper shall close, the return air damper shall fully open and the exhaust fan shutoff damper shall close.
   1) Whenever space temperature drops below the unoccupied setpoint temperature 60°F (default), the respective unit's supply fan shall operate and the unit's heating coil control valve and duct mounted coil control valves shall fully open. The supply fan shall stop and the coil valves shall close when the return duct temperature sensor and space temperature sensors satisfy.

e. During Warmup, the exhaust fan shall be off and damper closed, the outside air dampers shall be closed, the return air damper shall be fully open, the supply fan shall operate continuously, the heating coil control valve and duct mounted control valves shall fully open. When the return duct temperature sensor and space temperature sensors satisfy the system shall revert to occupied mode operation.

f. During Cooldown, the exhaust fan shall be off and damper closed, the outside air damper shall be closed, the return air damper shall be fully open, the supply fan shall operate continuously, the cooling stages shall cycle to maintain the occupied discharge air temperature setpoint. When the return duct temperature sensor is satisfied the system shall revert to occupied mode operation. Provide economizer cooling during favorable conditions.

g. Provide filter differential pressure switch, monitor and generate an alarm for dirty filters (default - 0.5" wc above clean filter).

h. Safety Controls:
   1) Shut down fans and close outdoor air damper whenever the building fire alarm is activated. Restart units when the alarm signal is cleared.
   2) Provide in-line condensate overflow safety switch. On high level signal the associated condensing unit shall shut down and an alarm shall be generated.

5. Duct Mounted Heating Coils
   a. Modulate the heating coil control valve to maintain the discharge air temperature setpoint 90F degrees (default) to satisfy the space temperature setpoint.

6. Cabinet Unit Heaters
   a. Units shall operate in either occupied or unoccupied mode as scheduled.
   b. During occupied mode, the fan shall operate continuously. The coil control valve shall modulate to maintain the return temperature sensor setpoint.
   c. During unoccupied mode, the fan shall be off and the heating coil control valve shall be closed. Whenever the return duct temperature drops below the unoccupied setpoint temperature 60°F (default), the fan shall operate and the heating coil control

valve shall fully open. The fan shall stop and the coil valve shall close when the return duct temperature sensor is satisfied.

7. Unit Heaters
   a. The fan shall start and coil control valve shall open to maintain the space temperature sensor setpoint. Provide an accessible space temperature sensor mounted on an interior wall.
   b. Whenever the space temperature setpoint is satisfied the fan shall be off and the coil control valve shall close.

8. Finned Tube Radiation
   a. For each finned tube radiation control valve provide an independent outside air temperature setpoint below which the finned tube control valve shall open and a deadband above which the valves shall be closed.
9. Mechanical Room Exhaust Fans
   a. The damper shall open and the exhaust fan shall start whenever the space temperature is above the space temperature sensor setpoint. Provide an accessible space temperature sensor mounted on an interior wall.
   b. Whenever the space temperature setpoint is satisfied the fan shall be off and the damper closed.
10. General Exhaust Fans
   a. The exhaust fans shall operate in occupied mode as scheduled, or otherwise be off.
11. Water Detection Sensors
   a. Provide an alarm whenever water is detected.

D. Building 90:
   1. Heating Plant:

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Hot Water Differential Pressure		X			
Primary Hot Water Return Temp		X			
Primary Hot Water Supply Temp		X			
Secondary Hot Water Return Temp		X			
Secondary Hot Water Supply Temp		X			
Hot Water Pump VFD Speed				X	
Mixing Valve				X	
Boiler Alarm Status	X				
Boiler Status	X				
Circulation Pump Status	X				
Hot Water Pump Status	X				
Hot Water Pump VFD Fault	X				
Low Water Level	X				
Boiler Enable			X		

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Circulation Pump Start/Stop			X		
Hot Water Pump Start/Stop			X		
Hot Water Differential Pressure Setpoint			X		

a. Coordinate sequence with boiler manufacturer's integral control system for single boiler applications. Supply water temperature setpoint shall be adjustable thru BAS based on outdoor temperature reset schedule. On boiler graphics screen show system supply and return water temperature.

b. Whenever the OAT is below 60 degrees, the designated lead primary building distribution pump shall start and run continuously. Above 63 degrees OAT the pumps shall be off. If proof of flow is not established by the lead building distribution pump via current sensor, the standby pump shall start and an alarm shall be generated. Lead and standby pump assignments shall be determined by the BAS based on overall runtime and number of starts.

c. When the lead pump has proven operation for at least one minute, the boilers shall be enabled and the boiler manufacturer's control panel shall control the boilers. The boilers shall provide the discharge water temperature necessary to maintain the building distribution water supply temperature as determined by the reset schedule.

d. Boiler's circulation pump shall be controlled by the boiler's integral control system.

e. Provide building distribution water supply temperature reset based on ambient temperature. Also provide a manual water supply temperature setpoint schedule which overrides the reset schedule – heating plant graphics screens shall indicate manual override operation whenever it is engaged.

f. Supply water temperature to be modulated using 3-way control valve upstream of the supply pumps.

g. If the heating hot water supply temperature varies by more than 10 degrees F from setpoint, an alarm shall be generated.

h. The BAS shall monitor the alarm status of each boiler's onboard controller and generate a subsequent alarm.

i. Provide wiring for distribution pump proof of flow signal via current switch to boiler fire control.

2. Outdoor Air Fan

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Fan Status	X				
Fan Start/Stop			X		

a. General:

1. The fan is to operate 24/7 and supply outdoor air to mini-splits.
2. DDC shall monitor the status of the fan, and have the availability to energize and de-energize the fan.
3. When energized the fan shall operate at 100% run speed.
4. If loss of communication shall occur, or proof of run cannot be established an alarm should be registered at the BMS station.
   1.) BMS to have a heartbeat signal sent to the fan every hour.

3. Finned Tube Radiation

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Zone Temp		X			
Heating Valve				X	

a. General:

1.) The finned tube radiation includes two way modulating control valve.

2.) The DDC supplier shall provide all necessary appurtenances such as valve actuators, sensors, relays, and control and communication wiring for a complete installation.

3.) Sequences:

a.) Temperature Control:

i. Sensors: Temperature sensors shall be supplied mounted and wired as shown on the drawings for each finned tube radiation section.

ii. Temperature Setpoints: Each shall be assigned an occupied temperature setpoint and throttling range, and an unoccupied setpoint and throttling range.

b.) Occupied Mode:

i. Heating Mode: Should the space temperature drop below setpoint (68 DegF) a heating demand signal shall be generated to energize the hot water pumps and the hot water valve shall modulate open to maintain setpoint.

4. Mini-Spilt Systems

Description	Points				Notes
	Input		Output		
	Binary	Analog	Binary	Analog	
Zone Temp		X			
Condensing Unit Status	X				

a. General:
   1.) Units to be provided with manufacturer's wall hung t-stat and controls.

b. Indoor and outdoor unit to operate with manufacturers internal controls to maintain setpoint temperature as set by remote thermostat.

c. Provide additional wall mounted space temperature sensor.
   1.) Space temperature sensor to communicate to BMS with space temperature for monitoring and alarming option.
   2.) When the IT Head End room space temperature sensor read a temperature of 95F or higher an alarm is to be registered at the BMS.
   3.) Loss of signal from space temperature sensor is to be registered at the BMS with an alarm.

END OF SECTION

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SECTION 260506

WIRING FOR DETENTION EQUIPMENT

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Detention Equipment: Section 111901.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittals Package: Submit the product data and the shop drawings specified below all at the same time as a package.

C. Product Data: Catalog sheets, specifications, and installation instructions.

D. Contract Closeout Submittals:
1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
   a. Operation and maintenance data for each product.

PART 2 PRODUCTS

2.01 RACEWAYS, FITTINGS AND ACCESSORIES

A. Rigid Ferrous Metal Conduit: Steel, hot dipped galvanized on the outside and inside, UL categorized as Rigid Ferrous Metal Conduit (identified on UL Listing Mark as Rigid Metal Conduit - Steel or Rigid Steel Conduit), by Allied Tube & Conduit Corp., LTV Copperweld, or Wheatland Tube Co.

B. Flexible Metal Conduit: Galvanized steel strip shaped into interlocking convolutions, UL categorized as Flexible Metal Conduit (identified on UL Listing Mark as Flexible Steel Conduit or Flexible Steel Conduit Type RW), by AFC Cable Systems Inc., Anamet Electrical Inc., Electri-Flex Co., or International Metal Hose Co.

C. Liquid-tight Flexible Metal Conduit: UL categorized as liquid-tight flexible metal conduit (identified on UL Listing Mark as Liquid-Tight Flexible Metal Conduit, also specifically marked with temperature and environment application data), by AFC Cable Systems Inc., Anamet Electrical Inc., Electri-Flex Co., or Universal Metal Hose Co.

D. Insulated Bushings: Threaded, malleable iron/zinc electroplate with 105 degrees C (minimum) plastic insulated throat; Appleton Electric Co.'s BU50I Series,

Cooper/Crouse-Hinds' 1031 Series, OZ/Gedney Co.'s IBC-50 Series, Raco Inc.'s 1132 Series, Steel City/T & B Corp.'s BI-901 Series, or Thomas & Betts Corp.'s 1222 Series.

E. Plastic Bushings for 1/2 and 3/4 Inch Conduit: 105 degrees C minimum temperature rating; Appleton Electric Co.'s BBU50, BBU75, Blackburn (T & B Corp.'s) 50 BB, 75 BB, Cooper/Crouse-Hinds' 931,932, or OZ/Gedney Co.'s IB-50, IB-75, Raco Inc.'s 1402, 1403, Steel City/T & B Corp.'s BU-501, BU-502, or Thomas & Betts Corp.'s 222, 223.

F. Connectors and Couplings:
   1. Locknuts: UL, steel/zinc electroplate; Appleton Electric Co.'s BL-50 Series, Cooper/Crouse-Hinds' 11 Series, OZ/Gedney Co.'s 1-50S Series, Raco Inc.'s 1002 Series, Steel City/T&B Corp.'s LN-101 Series, or Thomas & Betts Corp.'s 141 Series.
   2. Couplings (For Rigid Metal Conduit): Standard galvanized threaded couplings furnished by conduit manufacturer, or Allied Tube & Conduit Corp.'s Kwik-Couple.
   3. Flexible Metal Conduit Connectors: Arlington Industries Inc.'s Saddle-Grip, OZ/Gedney Co.'s C-8T, 24-34T, ACV-50T Series, or Thomas & Betts Corp.'s Nylon Insulated Tite-Bite Series.
   4. Liquid-tight Flexible Metal Conduit Connectors:
      a. Dry Locations: Steel, malleable iron, zinc electroplate, insulated throat; Appleton Electric Co.'s STB Series, Cooper/Crouse-Hinds' LTB Series, OZ/Gedney Co.'s 4Q-50T Series, Raco Inc.'s 3512 Series, Steel City/T & B Corp.'s LT-701 Series, or Thomas & Betts Corp.'s 5332 Series.
      b. Wet Locations: OZ/Gedney Co.'s 4Q-TG Series (hot-dip/mechanically galvanized), or Thomas & Betts Corp.'s 3322 Series (PVC coated).

G. Conduit Bodies (Threaded): Malleable iron or cast iron alloy bodies and covers with hot dipped galvanized or other specified corrosion resistant finish; Cooper/Crouse-Hinds' Condulets (Corro-free epoxy powder coat), or OZ/Gedney Co.'s Conduit Bodies (hot dipped galvanized). Stainless steel cover screws, covers gasketed to suit application.

H. Expansion Fittings: Cooper/Crouse-Hinds XJG (Corro-free epoxy powder coat), or OZ Gedney Co.'s AX, EXE (end type), hot dipped galvanized.

2.02 OUTLET, JUNCTION AND PULL BOXES

A. Galvanized Steel Boxes For Concealed Work: Standard type galvanized steel boxes and covers by Appleton Electric Co., Raco/Div. of Hubbell, or Steel City/T&B Corp.

B. Galvanized Steel Junction and Pull Boxes For Exposed Work: Code gage, galvanized steel screw cover boxes by Hoffman Enclosures Inc., Hubbell/Wiegmann, or Rittal/Electromate.

C. Threaded Type Boxes for Exposed Work:

1. Outlet Boxes:
    a. For Dry, Damp Locations: Zinc electroplate malleable iron or cast iron alloy boxes by Appleton Electric Co., Cooper/Crouse-Hinds Co., or OZ/ Gedney Co., with zinc electroplate steel covers to suit application.
    b. For Wet Locations: Malleable iron or cast iron alloy boxes with hot dipped galvanized or other specified corrosion resistant finish as produced by Cooper/Crouse-Hinds (hot dipped galvanized or Corro-free epoxy powder coat), or OZ/Gedney Co. (hot dipped galvanized), with stainless steel cover screws, and malleable iron covers gasketed to suit application.
2. Junction And Pull Boxes:
    a. For Dry, Damp Locations: Zinc electroplate cast iron boxes by Appleton Electric Co., Cooper/Crouse-Hinds, or OZ/Gedney Co., with zinc electroplate steel or cast iron cover.
    b. For Wet Locations: Cast iron boxes by Cooper/Crouse-Hinds' (hot dipped galvanized or Corro-free epoxy powder coat), or OZ/Gedney Co. (hot dipped galvanized), with stainless steel cover screws and cast iron cover gasketed to suit application.
3. Conduit Bodies, Threaded (Provided with a Volume Marking):
    a. For Dry, Damp Location: Zinc electroplate malleable iron or cast iron alloy bodies with zinc electroplate steel covers; Appleton Electric Co.'s Unilets, Cooper/Crouse-Hinds' Condulets, or OZ/Gedney Co.'s Conduit Bodies.
    b. For Wet Locations: Malleable iron or cast iron alloy bodies with hot dipped galvanized or other specified corrosion resistant finish; Cooper/Crouse-Hinds' Condulets (hot dipped galvanized or Corro-free epoxy power coat), or OZ/Gedney Co.'s Conduit Bodies (hot dipped galvanized) with stainless steel cover screws and malleable iron covers gasketed to suit application.

D. Specific Purpose Outlet Boxes: As fabricated by equipment manufacturers for mounting their equipment thereon.

2.03 CONDUCTORS (600 VOLTS AND UNDER) AND ACCESSORIES

A. Date of Manufacture: No insulated conductor over one year old when delivered to the site will be acceptable.

B. Acceptable Companies: American Insulated Wire Corp., BICC General Cable Industries Inc., Cerro Wire & Cable Co. Inc., Pirelli Cable Corp., Rome Cable Corp., or Southwire Co.

C. Conductors: Annealed uncoated copper or annealed coated copper in conformance with the applicable standards for the type of insulation to be applied on the conductor.

D. Types:
1. Power Wiring:

a. General: Rated 600V, NEC Type FEP, RHH, RHW, RHW-2, THHN, THW, THW-2, THWN, THWN-2, XHH, XHHW, XHHW-2.

2. Class 1 Wiring:
   a. No. 18 and No. 16 AWG: Insulated copper conductors suitable for 600 volts, N.E.C. types KF-2, KFF-2, PAFF, PF, PFF, PGF, PGFF, PTFF, RFH-2, RFHH-2, RFHH-3, SF-2, SFF-2, TF, TFF, TFN, TFFN, ZF, or ZFF.
   b. Larger than No. 16 AWG: Insulated copper conductors suitable for 600 volts, in compliance with N.E.C. Article 310.
   c. Conductor with other types and thickness of insulation may be used if listed for Class 1 circuit use.
3. Class 2 Wiring:
   a. Multiconductor Cables: N.E.C. Types CL2P, CL2R, CL2.
   b. Other types of cables may be used in accordance with N.E.C. Table 725-61 "Cable Uses and Permitted Substitutions", as approved.
4. Class 3 Wiring:
   a. Single Conductors No. 18 and No. 16 AWG: Same as Class 1 No. 18 and No. 16 AWG conductors, except that:
      1) Conductors are also listed as CL3.
      2) Voltage rating not marked on cable except where cable has multiple listings and voltage marking is required for one or more of the listings.
   b. Multiconductor Cables: N.E.C. Types CL3P, CL3R, CL3.
   c. Other types of cables may be used in accordance with N.E.C. Table 725-61 "Cable Uses and Permitted Substitutions", as approved.

E. Terminal Blocks and Connectors:
   1. Terminal Blocks: Barrier type double screw terminals rated 300 V minimum, meeting UL94 requirements for materials Classed 94V-0.
   2. Connectors: Plug and socket style, meeting UL94 requirements for materials classed 94V-0.

F. Terminals: Nylon insulated pressure terminal connectors by Amp/Tyco/Electronics, Electrical Products Div./3M, Framatome Connectors/Burndy, Ideal Industries Inc., Panduit Corp., Thomas & Betts Corp., or Wiremold Co.

G. Insulation Tapes:
   1. Plastic Tape: Electrical Products Div./3M's Scotch 88, Plymouth Rubber Co.'s Plymouth/Bishop Premium 85CW.
   2. Rubber Tape: Electrical Products Div./3M's Scotch 23, or Plymouth Rubber Co.'s Plymouth/Bishop W963 Plysafe.

H. Cable Clamps and Clips, Cable Ties, Spiral Wraps, etc.: Wire management products by Catamount/T&B Corp., or Ideal Industries Inc.

2.04 SUPPORTING DEVICES

A. Channel Support System:
   1. Channel Material: 12 gage steel.
   2. Finish: Hot dipped galvanized.
   3. Fittings: Same material and finish as channel.
   4. UL Listed Systems:
      a. B-Line Systems Inc.'s B-22 (1-5/8 x 1-5/8 inches), B-12 (1-5/8 x 2-7/16 inches), B-11 (1-5/8 x 3-1/4 inches).
      b. Kindorf/T&B Corp.'s B-900 (1-1/2 x 1-1/2 inches), B-901 (1-1/2 x 1-7/8 inches), B-902 (1-1/2 x 3 inches).
      c. Unistrut Corp.'s P-3000 (1-3/8 x 1-5/8 inches), P-5500 (1-5/8 x 2-7/16 inches), P-5000 (1-5/8 x 3-1/4 inches).
      d. Versabar Corp.'s VA-1 (1-5/8 x 1-5/8 inches), VA-3 (1-5/8 x 2-1/2 inches).

B. Fastening Fittings for Existing Masonry: Kindorf/T&B Corp.'s E-243, E-244, E-245, or E-170, or Versabar Corp.'s VX-4310, VX-2308, VX-4308, or VX-4309.

C. Pipe Straps: Two-hole steel conduit straps; Kindorf/T&B Corp.'s, C-144 Series.

D. Pipe Clamps: One-hole malleable iron clamps; Kindorf/T&B Corp.'s HS-400 Series, or OZ/Gedney Co.'s 14-50 Series.

2.05 MARKERS

A. Markers:
   1. Premarked, self-adhesive: by W.H. Brady Co., Ideal Industries, or Thomas and Betts Co.
   2. Flexible sleeve markers; Plastic Extruded Parts Inc.'s FS series.
   3. Snap-on markers; Plastic Extruded Parts Inc.'s RS series.

PART 3 EXECUTION

3.01 INSTALLATION, GENERAL

A. Electrical Work Contractor shall provide power wiring and raceway system from the power source (circuit breakers in panelboard) to the indicated control consoles/cabinets.

B. Connect power wiring within the indicated control consoles/cabinets, provide power and control wiring and raceway system from the indicated control consoles/cabinets, etc. to the operating devices and appurtenances.

3.02 RACEWAYS INSTALLATION

A. Raceway Types and Locations:
   1. Conduit: Run conduit concealed or exposed as indicated on drawings:
      a. Install rigid ferrous metal conduit in all locations unless otherwise specified.
      b. Flexible Metal Conduit:

1) Use for short runs to equipment such as interlocks, limit switches or other items requiring adjustments (dry locations).
2) Use 1 to 2 feet of flexible metal conduit for final connection to equipment subject to vibration (dry locations).

c. Liquid-tight Flexible Metal Conduit:
1) Use for short runs to equipment such as interlocks, limit switches or other items requiring adjustment (damp and wet locations).
2) Use 1 to 2 foot of liquid-tight flexible metal conduit for final conduit connection to equipment subject to vibration (damp and wet locations).

2. Gate System Equipment Construction as Raceway: Track boxes, steel structural tubing, or steel plates may be utilized as raceways where designed expressly for the purpose by the gate system equipment manufacturer.

B. Conduit Ends:
1. Use 2 locknuts and insulated bushing on end of each conduit entering console/cabinet or galvanized steel box (plastic bushing may be used on 1/2 inch & 3/4 inch conduit).
2. Use insulated grounding bushings on the ends of conduits, which are not directly connected to the enclosure (such as stub-ups under equipment, etc.) and bond between bushings and enclosure with equipment grounding conductor.

C. Expansion Joints: Use expansion joint fittings where conduits cross expansion joints.

D. Special Purpose Rigid Conduit: Provide rigid conduits as indicated in line item 3.02-A-a corresponding to special purpose junction box in 3.03 of this section for wiring to power position switches and doorway locksets for hollow metal door frames type “F1” (for Buildings 77 and 78) and doorways with Door Type “NV” (for Buildings 80,81,82 and 90).

3.03 OUTLET, JUNCTION AND PULLBOX INSTALLATION

A. Boxes For Concealed Conduit System:
1. Install boxes of depth to suit job conditions and also comply with Article 370 of the National Electrical Code.
2. Use galvanized steel boxes with flush covers for junction and pull boxes.

B. Boxes For Exposed Conduit System:
1. Use threaded type boxes for all Work with conduit sizes 1/2, 3/4 and 1 inch.
2. Use threaded type boxes for all Work with conduit sizes over 1 inch in wet locations.
3. Use galvanized steel junction and pull boxes for Work with conduit sizes over 1 inch in dry locations and damp locations.

C. Specific Purpose Outlet Boxes: Use specific purpose outlet boxes to mount equipment when available and suitable for job conditions.

D. Special Purpose Junction Box: Provide box as indicated in line item 3.03-A for wiring to power position switches and doorway locksets for hollow metal door frames type "F1" (for Buildings 77 and 78) and doorways with Door Type "NV" (for Buildings 80,81,82 and 90).

3.04 CONDUCTOR INSTALLATION

A. Install wiring in raceways.

B. Wiring shall be continuous (no splices) except for plug-in connectors or terminal blocks for connections to motors, limit switches, and other electrical components to facilitate removal and replacement of these items.

C. Protect wiring in track boxes with wire trough or chase. Encase wiring in plastic sheathing or rubber grommets when passing through metal components and near moving parts.

3.05 SUPPORTING DEVICE INSTALLATION

A. Attachment of Conduit System:
   1. Masonry Construction: Attach conduit to masonry construction by means of pipe straps or pipe clamps and masonry anchorage devices.
   2. Channel Support System: Attach conduit to channel as indicated on drawings.

3.06 IDENTIFICATION, LABELING AND MARKING

A. Identify conductors with markers at terminal strips, cabinets, consoles and pullboxes (designations shall correspond with point to point wiring diagrams).

END OF SECTION

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SECTION 265533

SECURITY FENCE LIGHTING SYSTEM

PART 1 GENERAL

1.01 SUMMARY

A. Procure any or multiple light fixtures specified in drawings from NYS Preferred Source Contractors/Suppliers should any or all specified fixtures be available through such sources including:

1. Department of Correctional Services Industries Program (CORCRAFT)
2. Disabled Persons' organization such as Herkimer Industries.
3. Veterans Workshop organizations operated by the US Department of Veterans Affairs.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittals Package: Submit the product data, samples, and photometric data specified below at the same time as package.

C. Product Data: Catalog sheets, specifications and installation instructions.

D. Samples: One of each product if different from Company or catalog number specified.

E. Photometric Data: For each luminaire if different from company or catalog number specified, submit complete photometric data in accordance with Illuminating Engineers Society (IES) recommendations for laboratory tests. Photometric data shall include candlepower distribution curves and iso footcandle diagrams (or computer printouts) showing initial horizontal footcandles on grade for individual luminaire and also for row of luminaires with spacing, mounting height and adjustment as indicated on drawings.

1.03 MAINTENANCE

A. Spare Parts:

1. Two complete luminaires.
2. Two driver assemblies complete with all electrical components.

PART 2 PRODUCTS

2.01 LUMINAIRES

A. Type SL-1: Lithonia D-series, size 2, PowerHouseLED Series; Manufacturer NJZ Lighting Technologies Co. LTD PH-NJZ-SLC-250RL-N4-K2_5000K-T3M-PO or equal, having:
   1. Driver shall be multiple tap for use on 120, 208, 240 and 277 volt circuits..
   2. Luminaire connected for operation on 208 volt circuit.
   3. IES type 4 light distribution pattern with luminaire adjusted as shown on drawings.
   4. Enclosed in-line fuseholder, accessible inside fixture, in each ungrounded leg. Fuse at ampere rating recommended by fixture manufacturer.
   5. Tenon mounting fitter for single or dual installation as required.
   6. Watts: 250
   7. Lumens: 30,059

B. Type SL-2: Lithonia D-series, size 0, PowerHouseLED Series; Manufacturer NJZ Lighting Technologies Co. LTD PH-NJZ-SLC-150-V01-RZ-T3M-D-2102-5000K or equal having:
   1. Driver shall be multiple tap for use in 120, 208, 240 and 277 volt circuits.
   2. Luminaire connected for operation on 208 volt circuits.
   3. IES type 4 light distribution pattern with luminaire adjusted as shown on the drawings.
   4. Enclosed in-line fuseholder, accessible inside fixture, in each ungrounded leg. Use at ampere rating recommended by fixture manufacturer.
   5. Adapter fitting for mounting fixture on existing poles.
   6. Watts: 150
   7. Lumens: 17,837
   8. Mount: Tension Mount

2.02 RIGID FERROUS METAL CONDUIT

A. Steel, galvanized on the outside and inside (conduit enameled on the inside will not be accepted), UL categorized as Rigid Ferrous Metal Conduit (identified on UL Listing Mark as Rigid Metal Conduit-Steel or Rigid Steel Conduit), by Allied Tube & Conduit Corp., Midwest Electric, Occidental Coating Co., Robroy Industries Inc., Steelduct Conduit Products, Triangle PWC Inc., or Wheatland Tube Co.

2.03 FITTINGS AND ACCESSORIES

A. Connectors and Couplings:
   1. Couplings (For Rigid Metal Conduit): Standard threaded couplings as furnished by conduit manufacturer.
   2. Watertight Conduit Hubs: Efcor Inc.'s Spec-Guard finish 19-40-50B Series or 40-50 Series, or OZ/Gedney Co.'s Type CH-T (Hot dipped galvanized finish).

B. Conduit Bodies (Threaded): Hot dipped galvanized malleable iron or cast iron alloy bodies with gasket, hot dipped malleable iron or cast iron alloy covers and stainless steel cover screws; Crouse-Hinds Co.'s Condulets (hot dipped galvanized or Corro-free epoxy powder coat), Efcor Inc.'s Efcorlets, or OZ/Gedney Co.'s Conduit Bodies.

C. Expansion Fittings: Malleable iron heads and steel body with hot dipped galvanized finish, external copper bonding jumper with hot dipped galvanized clamps and U-bolts, OZ Gedney Co.'s AX; or cast iron alloy end fittings with zinc electroplate and aluminum cellulose lacquer finish, hot dipped galvanized steel body, and external copper bonding jumper with brass strap clamps, Crouse Hinds Co.'s XJ.

2.04 JUNCTION BOXES

A. Galvanized cast iron boxes, gasketed cover, size as indicated on drawings; Crouse-Hinds Co.'s WCB, OZ Gedney's Type YL (NEMA 4). Fasten cover with vandal resistant, stainless steel screws.

2.05 CLAMPS FOR ATTACHING CONDUIT AND JUNCTION BOXES TO FENCES

A. General: All parts hot dipped galvanized with galvanizing complying with ASTM-A153 unless otherwise indicated.

B. Fences Constructed with Round Fence Members:
1. One Hole Pipe Clamp: OZ/Gedney's 14-50G Series.
2. Conduit Spacers: OZ/Gedney's 141-G Series.
3. Conduit Nest Backs: OZ/Gedney's 141-NG Series.
4. Shim (to allow conduit movement): Type and design determined to be adequate by actual test sample installation.
5. U-Bolts: OZ/Gedney's HU Series.
6. Two Hole Heavy Duty Conduit Straps: Kindorf Elec. Products, Div./American Electric Corp. C-144 Series with Galv-Krom finish.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install luminaires and raceway system on the chain link fence.

B. Raceways on Fence: Use rigid ferrous metal conduit in all locations.

C. Wiring: Insulated conductors shall meet the requirements of Section 260519 and the following:
1. Use type THWN insulated conductors for wiring within raceways on fence.
2. Use type XHHW, THWN, or USE insulated conductors for wiring in underground raceways.

3.02 FITTINGS AND ACCESSORIES SCHEDULE

A. General:
1. Use malleable iron or cast iron alloy fittings and accessories having hot dipped galvanized finish or other specified corrosion resistant finish in conjunction with ferrous raceways.

2. Use watertight hub on end of each conduit entering junction boxes that are not constructed with integral threaded hubs

END OF SECTION

Revised 9/25/2017

SECTION 321216

ASPHALT CONCRETE PAVING

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Earthwork: Section 310000.

B. Pavement Marking: Section 321723.

1.02 SUBMITTALS

A. Product Data: Manufacturer's name, specifications, and installation instructions, for each item specified.

B. Quality Control Submittals:
   1. Plant name and location of asphalt concrete supplier.

1.03 PROJECT CONDITIONS

A. Environmental Requirements:
   1. Discontinue paving when surface temperatures fall below requirements listed in DOT Table 402-2.
   2. Do not place asphalt concrete on wet surfaces, or when weather conditions otherwise prevent the proper handling or finishing of bituminous mixtures as determined by the Director's Representative.

PART 2 PRODUCTS

2.01 MATERIALS

A. General: Asphalt concrete and all related items shall meet the requirements of NYSDOT, Section 400.

B. Performance Graded Binder: PG 64-22, NYS DOT Specification 702-6422

C. Asphalt Concrete Paving: Conform to DOT Section 400 Hot Mix Asphalt.
   1. Top Course: 9.5 mm
   2. Binder Course: 25.0 mm
   3. Base Course: 37.5 mm

D. Asphalt Cement Diluted Tack Coat

PART 3 EXECUTION

3.01 ASPHALT CONCRETE PAVING

A. Construct asphalt pavement in accordance with DOT, Section 402-3.

B. Apply asphalt cement tack coat at the recommended rate between all Asphalt Concrete Paving Courses and for the paving fabric.

END OF SECTION