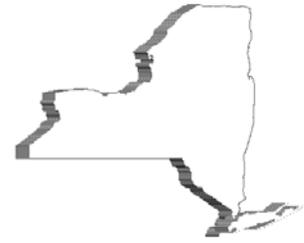




STATE OF NEW YORK  
OFFICE OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242



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**ADDENDUM NO. 1 TO PROJECT NO. 44187**

**CONSTRUCTION WORK, HVAC WORK AND ELECTRICAL WORK**

**PROVIDE VENTILATION, MAIN SCHOOL BUILDING  
VARIOUS DOCCS FACILITIES**

March 12, 2013

**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.

**SPECIFICATIONS – All Contracts**

1. Page 011000-1, Article 1.02.A: Change referenced contracts to 44187-C, H and E.
2. Page 011000-3, Article 1.06.B.1: Delete the sentence “The above period will not be included in the number of days specified for completion of the Work of all contracts”.

**CONSTRUCTION CONTRACT SPECIFICATIONS**

1. Page 087100-5, Article 2.04: Add the following:  
Group 2
  1. Continuous Hinge: 1 ea. - Markar FM300HT x CHS-1 x torx x 630 x marked “TOP”
  2. Mortise Lockset: 1 ea. - Corbin Russwin ML2022 (storedoor) x YWM x less cylinders x M17 x M04 x 630.
  3. Mortise Cylinder: 2 ea. - Compatible with above specified lockset and Facility’s existing key system x 626.
  4. Security Closer: 1 ea - LCN 4214 x CNS3077 x SRI x AL x torx.
  5. Threshold: 1 – ea Zero 548A x torx.
  6. Door Bottom: 1 – ea Zero 39A x torx.
  7. Perimeter Gasketing: 1 set DHSI 105 anti-ligature x brown (2 finger at hinge jamb.)

**HVAC CONTRACT SPECIFICATIONS**

1. Page 235716-1, Article 1.04.A.2: Change “at the Riverview site” to “at each of the Wyoming and Livingston sites”.

**ELECTRICAL CONTRACT SPECIFICATIONS**

1. 283105 MODIFICATIONS TO FIRE ALARM SYSTEM:
  - a. Page 283105-6, Article 1.11 MAINTENANCE
    - Change
      - “A. Spare Parts”
      - To
      - “A. Spare Parts (Per Facility)
    - Change
      - “3. One (1) addressable module”.
      - To
      - “3. One (1) addressable module (Livingston CF and Wyoming CF only).”

**CONSTRUCTION WORK DRAWINGS**

1. Drawing A-502:
  - a. Details 1, 1A, and 5, Add the following note with an arrow pointing to the GWB on each side of the existing building end wall:
 

“IN THE AREA OF THE ADDITION: PROVIDE 1 LAYER OF 5/8" TYPE 'X' GYP.BD. EACH SIDE OF WALL AS REQUIRED FOR THE WALL TO HAVE A 1 HOUR FIRE RATING PER UL DESIGN "W1B-1 hr T-U309".”
2. Drawing A-601:
  - a. BUILDING ADDITION, DOOR SCHEDULE:
 

Revise Detail references as indicated below:

Door No	Head Detail	Jamb Detail	Sill Detail	HDWE
E1	2/A-702	3/A-702	4/A-702	2
3. Addendum Drawings:
  - a. Drawings A-701 and A-702, both noted “TEMPORARY CONSTRUCTION MEANS OF EGRESS: PLANS, SECTIONS, ELEVATIONS & DETAILS”, accompany this Addendum and forms part of the Contract Documents.
  - b. Drawings S-202 and S-203, both noted “3/6/2013 ADDENDUM 1” accompany this Addendum and forms part of the Contract Documents.

**HVAC WORK DRAWINGS**

1. Revised Drawing:
  - a. Drawing No. M-001, noted “REVISED DRAWING 3/6/13” ACCOMPANIES THIS Addendum and supersedes the same numbered originally issued drawing.
2. Addendum Drawing
  - a. Drawing SK-1H, noted “DDC CONTROL BLOCK DIAGRAM” accompanies this Addendum and forms part of the Contract Documents.
3. Revised Detail Drawing:

- a. Drawing No. SK-2H, noted "ENLARGED M.E.R. 4" and dated 3/1/13 replaces detail 1/M-101 on originally issued drawing M-101.
4. Revised Detail Drawing:
  - b. Drawing No. SK-3H, noted "ENLARGED M.E.R. 4" and dated 3/1/13 replaces detail 1/M-102 on originally issued drawing M-102.
5. Revised Detail Drawing:
  - c. Drawing No. SK-4H, noted "ENLARGED M.E.R. 14" and dated 3/1/13 replaces detail 1/M-103 on originally issued drawing M-103.
6. Revised Detail Drawing:
  - d. Drawing No. SK-5H, noted "ENLARGED M.E.R. 14" and dated 3/1/13 replaces detail 1/M-104 on originally issued drawing M-104.

**ELECTRICAL WORK DRAWINGS**

1. E-101, E-104, E-107, E-110:
  - a. "CONDUIT AND CONDUCTOR SCHEDULE"
    - For circuit designation no.3, change "3-#2" to "4-#2".
2. E-103:
  - a. "FIRE ALARM – LAKEVIEW CF BLDG. NO. 4"
    - Remove symbol for Individual Addressable Module, IAM.
  - b. "FIRE ALARM ONE-LINE – LAKEVIEW CF BLDG. NO. 4"
    - Replace detail with detail on drawing E-114, noted "REVISED DETAIL FIRE ALARM ONE-LINE LAKEVIEW CF AND ORLEANS CF 3/6/2013".
3. E-106:
  - a. "FIRE ALARM ONE-LINE – LIVINGSTON CF BLDG. NO. 4"
    - Replace detail with detail on drawing E-113, noted "REVISED DETAIL FIRE ALARM ONE-LINE 3/6/2013".
4. E-109:
  - a. "FIRE ALARM – ORLEANS CF BLDG. NO. 14"
    - Remove symbol for Individual Addressable Module, IAM.
  - b. "FIRE ALARM ONE-LINE – ORLEANS CF BLDG. NO. 4"
    - Replace detail with detail on drawing E-114, noted "REVISED DETAIL FIRE ALARM ONE-LINE LAKEVIEW CF AND ORLEANS CF 3/6/2013".
5. E-112:
  - a. "FIRE ALARM ONE-LINE – WYOMING CF BLDG. NO. 14"
    - Replace detail with detail on drawing E-113, noted "REVISED DETAIL FIRE ALARM ONE-LINE 3/6/2013".

**6. ADDENDUM DRAWINGS:**

- a. E-113:
  - Drawing E-113, noted “REVISED DETAIL FIRE ALARM ONE-LINE 3/6/2013” accompanies this addendum and forms part of the Contract Documents.
  
- b. E-114:
  - Drawing E-114, noted “REVISED DETAIL FIRE ALARM ONE-LINE LAKEVIEW CF AND ORLEANS CF 3/6/2013” accompanies this addendum and forms part of the Contract Documents.

**END OF ADDENDUM**

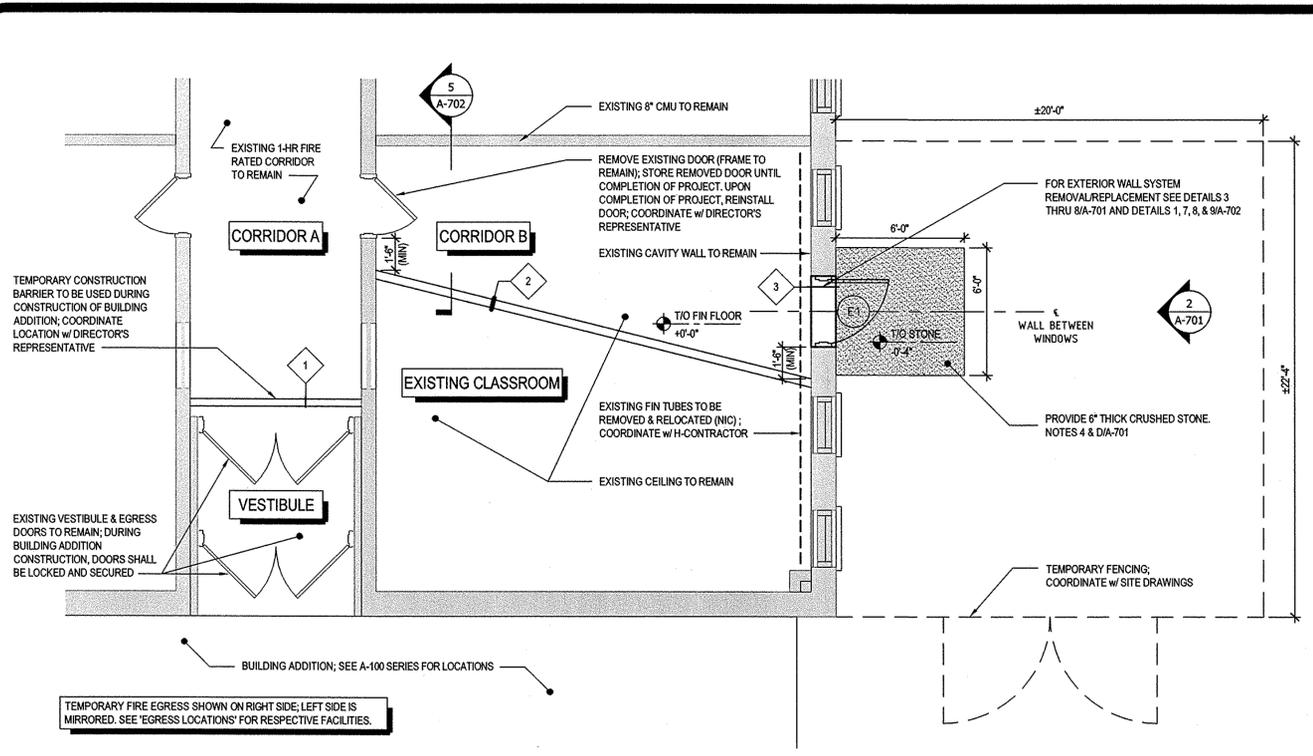
James Dirolf, P.E.  
Director of Design

CONSULTANT

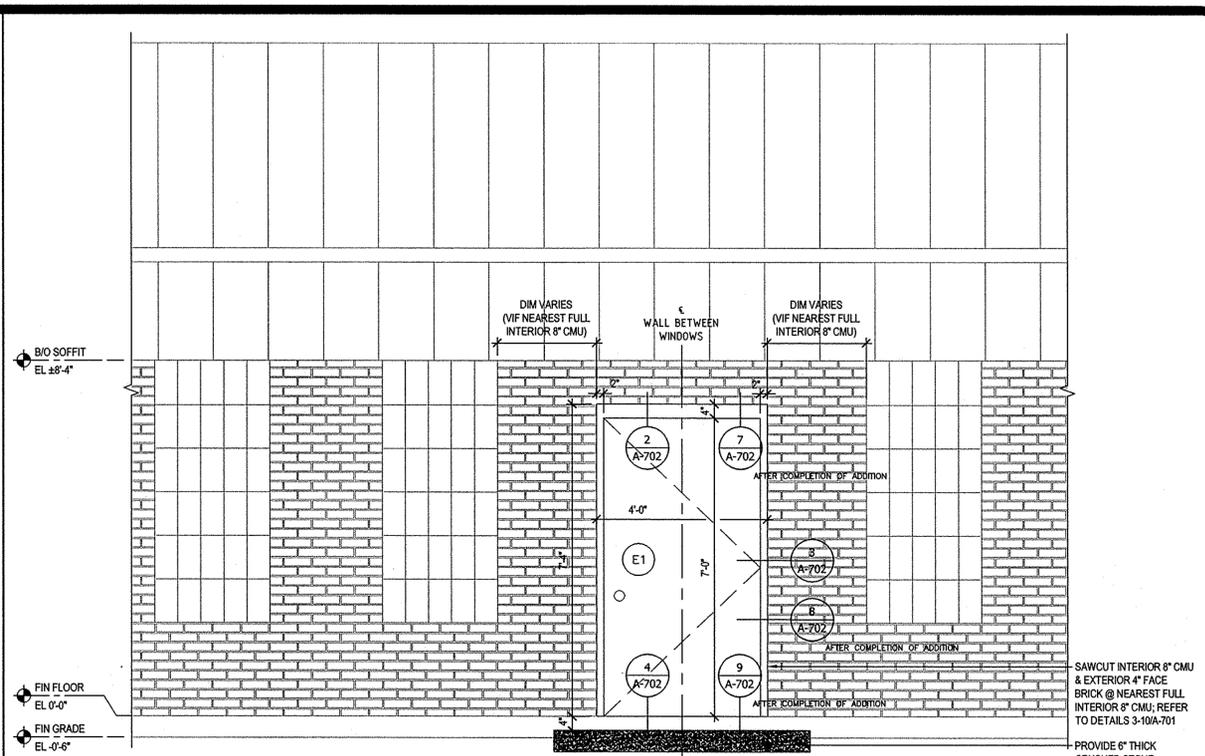
**WARNING:**  
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND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



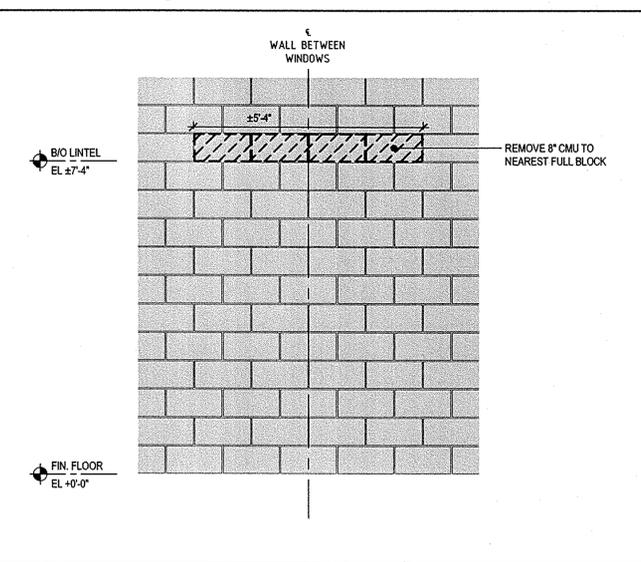
**CONSTRUCTION**  
TITLE: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS  
LOCATION: VARIOUS DOCCS FACILITIES  
CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION



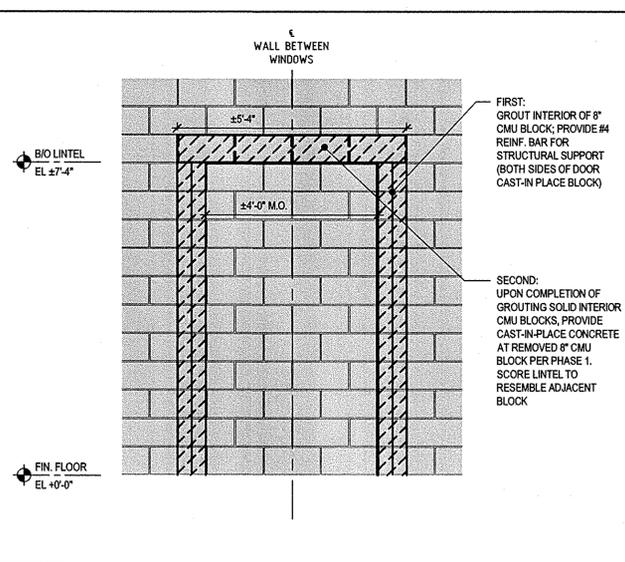
ENLARGED PLAN @ PROVIDED TEMPORARY FIRE EGRESS



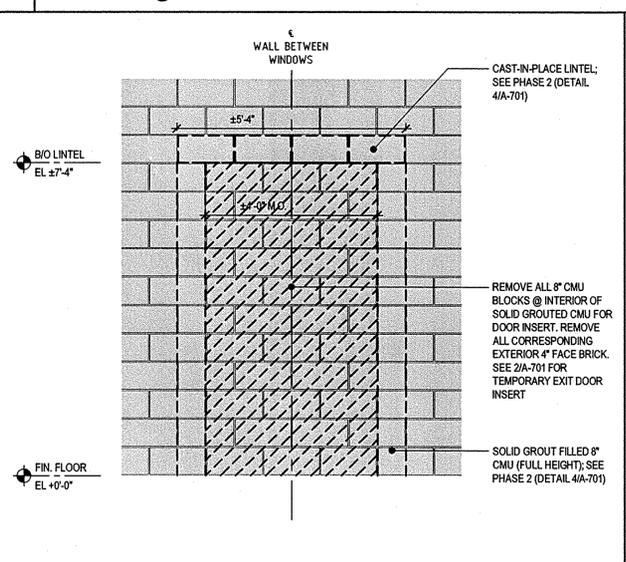
ELEVATION @ EXIT DOOR



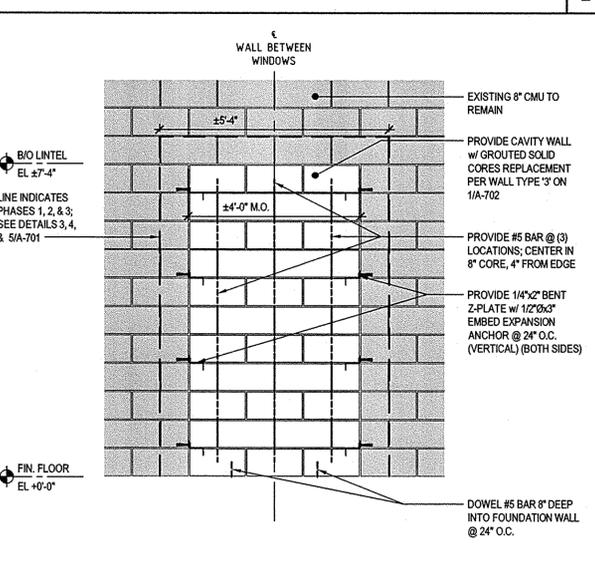
PHASE 1 @ 8" CMU REMOVAL (INTERIOR)



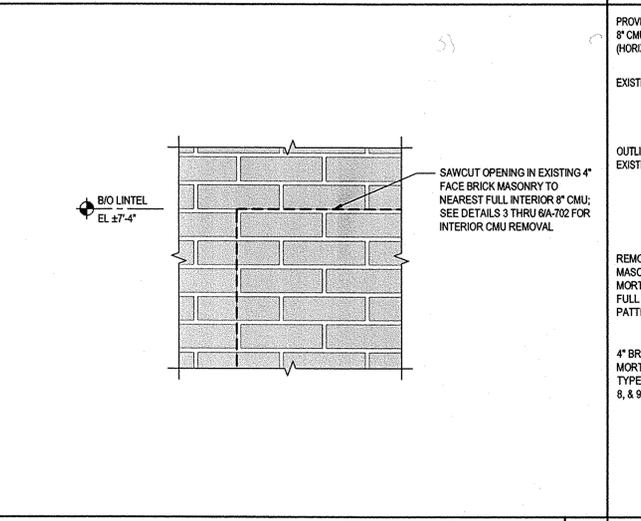
PHASE 2 @ CMU REMOVAL (INTERIOR)



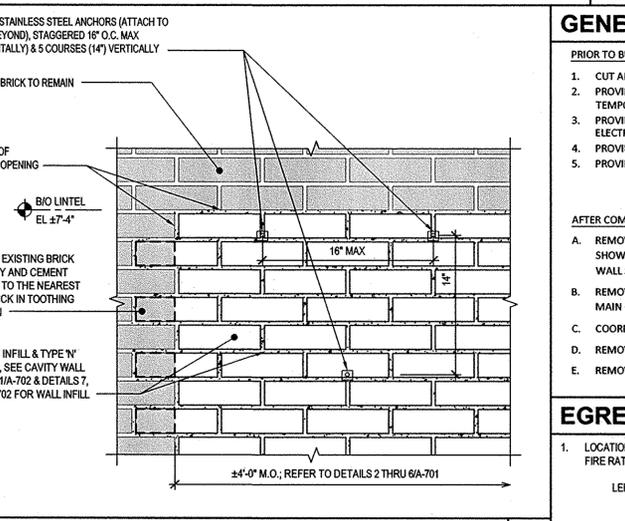
PHASE 3 @ CMU REMOVAL (INTERIOR)



PHASE 4 @ 8" CMU INFILL (INTERIOR)



PHASE 3 @ BRICK REMOVAL (EXTERIOR)



PHASE 4 @ BRICK INFILL (EXTERIOR)

**GENERAL NOTES**

**PRIOR TO BUILDING ADDITION WORK:**

- CUT AND REMOVE PORTION OF EXISTING EXTERIOR MASONRY WALL AS REQUIRED TO PROVIDE LINTEL, DOOR FRAME, THRESHOLD AND DOOR 'E1' AS SHOWN; SEE DETAILS 3 THRU 8/A-701.
- PROVIDE TEMPORARY 1 HOUR FIRE RATED CORRIDOR: (1) TYPE '2' WALL PARTITION AND A FULL WIDTH CEILING STRUCTURE, EXTENDING FROM EXISTING CORRIDOR TO TEMPORARY EXIT DOORWAY AS SHOWN IN SECTION 5/A-702 & ENLARGED PLAN 1/A-701. TEMPORARY LIGHTING AND EXIT SIGNAGE ARE BY OTHERS (NIC). COORDINATE W/ ELECTRICAL CONTRACTOR.
- PROVIDE TEMPORARY CONSTRUCTION BARRIER WALL TYPE '1' TO CLOSE OFF THE EXISTING CORRIDOR 'A' & VESTIBULE, FULL HEIGHT AND WIDTH OF THE CORRIDOR. SEE ENLARGED PLAN DETAIL 1/A-701. COORDINATE EXIT SIGNAGE REQUIRED BY OTHERS (NIC) W/ ELECTRICAL CONTRACTOR.
- PROVIDE A TEMPORARY COMPACTED 6' X 6' X 6" THICK CRUSHED STONE EXTERIOR PAD CENTERED IN FRONT OF THE TEMPORARY DOORWAY; SEE DETAIL 1/A-701.
- PROVIDE TEMPORARY 8'-0" HIGH CHAIN LINK FENCE. SEE DETAIL 1/A-701, REFER TO SITE DRAWINGS.

**AFTER COMPLETION OF BUILDING ADDITION:**

- REMOVE TEMPORARY DOOR 'E1', DOOR FRAME, AND THRESHOLD IN THEIR ENTIRETY; TURN DOOR 'E1', FRAME, AND THRESHOLD OVER TO FACILITY. REMOVE EXTERIOR STEEL ANGLE. CAST-IN-PLACE LINTEL TO REMAIN. INFILL REMAINING MASONRY OPENING AS SHOWN IN DETAILS 6/A-701 & CAVITY WALL TYPE '3' 1/A-702. TOOTH-IN EXTERIOR BRICK VENER FLUSH WITH EXTERIOR WALL SURFACE W/ BRICK TO MATCH EXISTING IN SIZE, COLOR, TEXTURE, & COURSING. PROVIDE 8" CMU ON THE INTERIOR FLUSH W/ INTERIOR WALL SURFACE W/ BUCK ANCHORS SPACED AT 16" O.C. VERTICALLY.
- REMOVE TEMPORARY CORRIDOR CONSTRUCTION BARRIERS, WALLS AND CEILING IN THEIR ENTIRETY. PATCH ALL HOLES IN WALLS AND CEILINGS WHERE DAMAGED BY FASTENERS. PAINT THE ENTIRE CLASSROOM ROOM WITH IAL-3 SYSTEM TO MATCH EXISTING. PAINT MAIN CORRIDOR WITH IAL-3 SYSTEM TO MATCH EXISTING AT PATCHED AREAS ONLY. REMOVE ALL VCT TILES DAMAGED FROM FASTENERS, AND PROVIDE VCT TO MATCH EXISTING. VERIFY VCT FLOORING W/ DIRECTOR'S REPRESENTATIVE.
- COORDINATE ALL REMOVAL OF TEMPORARY ELECTRICAL ITEMS AND REQUIRED ELECTRICAL WORK TO RESTORE LIGHTING FIXTURES AND SIGNAGE BACK TO ORIGINAL W/ ELECTRICAL CONTRACTOR. ALL ELECTRICAL WORK IS BY OTHERS (NIC).
- REMOVE EXTERIOR STONE PAD IN ITS ENTIRETY. TURN STONE OVER TO FACILITY AND STORE STONE AS DIRECTED BY DIRECTOR'S REP. RESTORE GROUNDS AND SEED AS REQUIRED.
- REMOVE TEMPORARY FENCING. RESTORE GROUNDS AND SEED AS REQUIRED.

**EGRESS LOCATIONS**

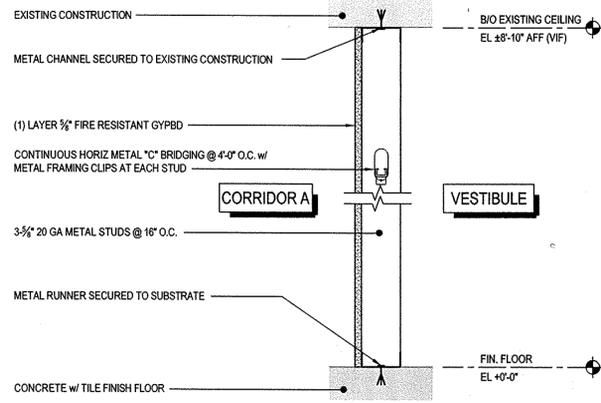
- LOCATIONS LISTED BELOW INDICATE EGRESS SIDE FOR CONSTRUCTION OF TEMPORARY 1-HR FIRE RATED CORRIDOR. LOCATIONS MARKED AS 'LEFT SIDE' ARE MIRRORRED FROM 'RIGHT SIDE':

LEFT SIDE	RIGHT SIDE
• WYOMING CF, BUILDING 14	• LAKEVIEW CF, BUILDING 4
	• LIVINGSTON CF, BUILDING 4
	• ORLEANS CF, BUILDING 14

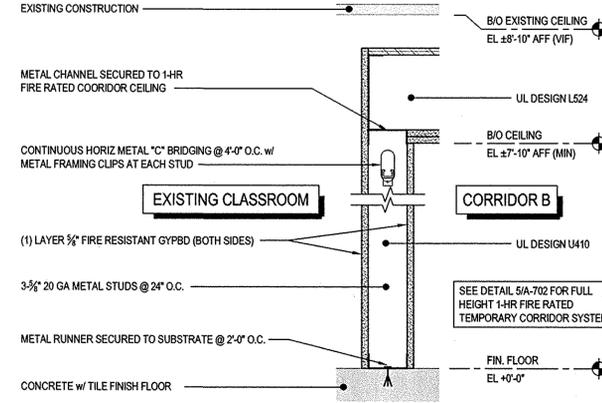
PHASE 4 @ BRICK INFILL (EXTERIOR)

MARK	DATE	DESCRIPTION
	3/6/2013	ADDENDUM NO. 1
	2/6/2013	BID DOCUMENT

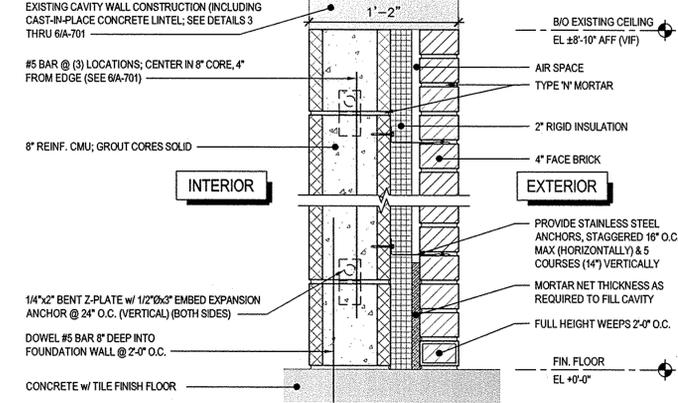
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DESIGNED BY:	ME
DRAWN BY:	ME/OMM
FIELD CHECK:	
APPROVED:	
SHEET TITLE: TEMPORARY CONSTRUCTION MEANS OF EGRESS: PLANS, SECTIONS, ELEVATIONS & DETAILS	
DRAWING NUMBER:	A-701
SHEET	OF



**1 TEMPORARY CONSTRUCTION BARRIER**  
SCALE: 1-1/2" = 1'-0"



**2 1-HR FIRE-RATED TEMPORARY WALL PARTITION**  
SCALE: 1-1/2" = 1'-0"



**3 CAVITY WALL REPLACEMENT**  
SCALE: 1-1/2" = 1'-0"  
WALL TYPE USED AFTER COMPLETION OF ADDITION

**GENERAL NOTES**

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS, ORDERING AND/OR MANUFACTURING OF ALL DOORS & DOOR FRAMES.
- CONTRACTOR SHALL PAINT TEMPORARY DOOR & FRAMES w/ PAINT TYPE 'EAL-3'; COLOR TO BE COORDINATED w/ DIRECTOR'S REPRESENTATIVE.
- 8" CMU, 4" BRICK & MORTAR SHALL MATCH COURSING, TEXTURE, SIZE & COLOR TO ADJACENT EXISTING BLOCK & BRICK



CONSULTANT

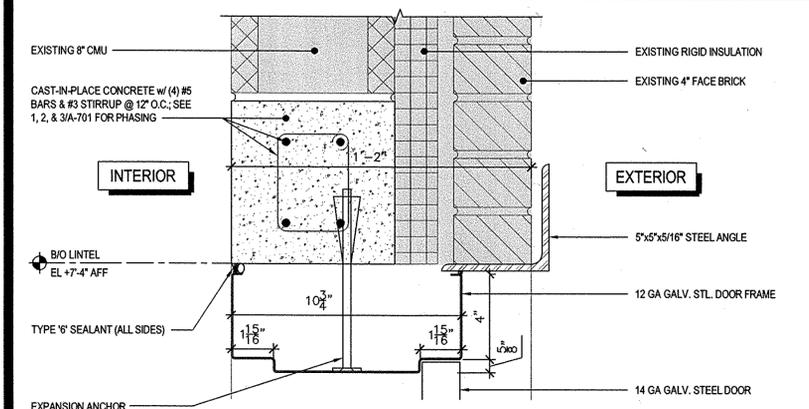
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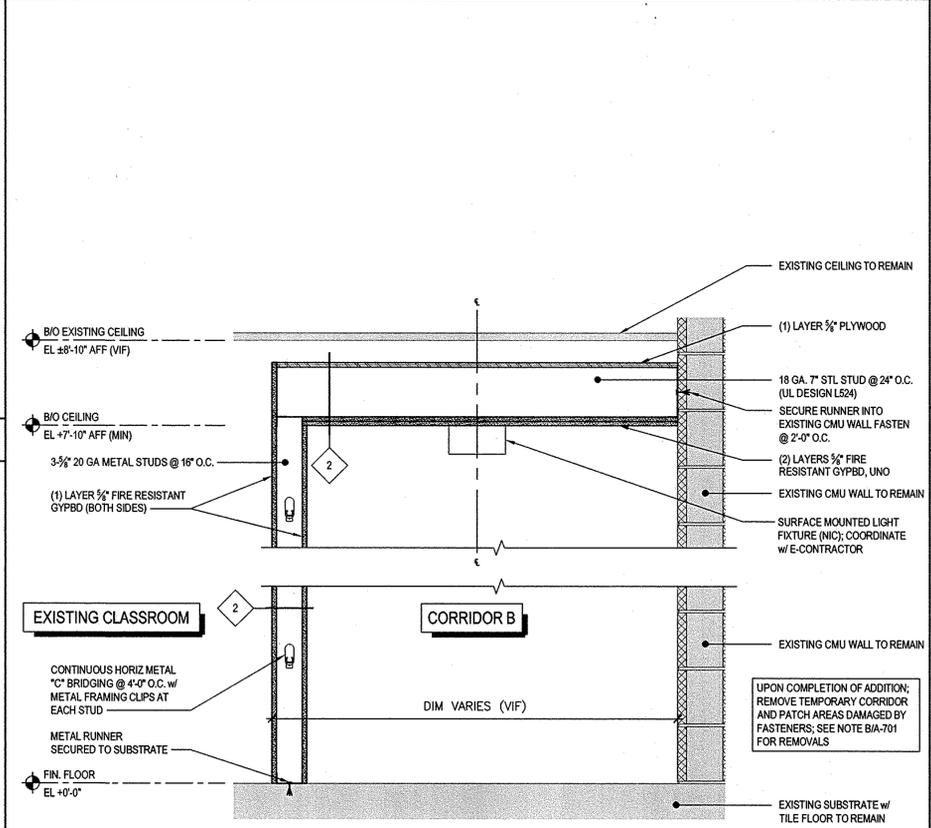
**CONSTRUCTION**

TITLE: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS  
LOCATION: VARIOUS DOCCS FACILITIES  
CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

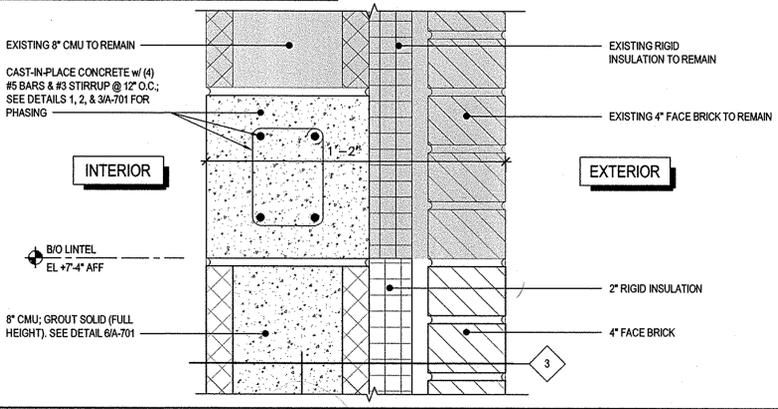
**WALL TYPES**



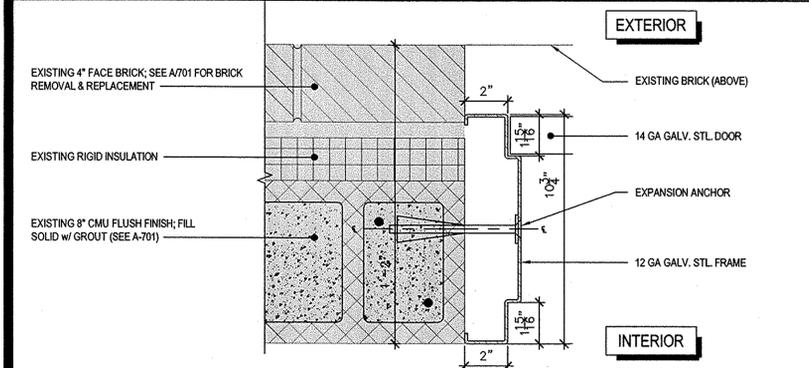
**DOOR HEAD DETAIL @ TEMPORARY EXIT DOOR**  
SCALE: 3" = 1'-0" **2**



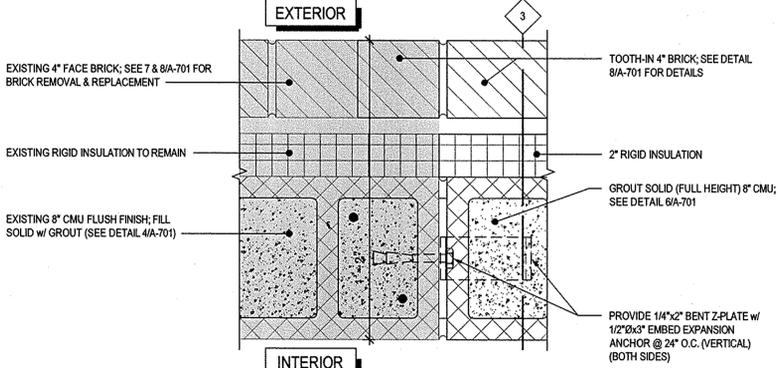
**1-HR FIRE RATED TEMPORARY CORRIDOR**  
SCALE: 3" = 1'-0" **5**



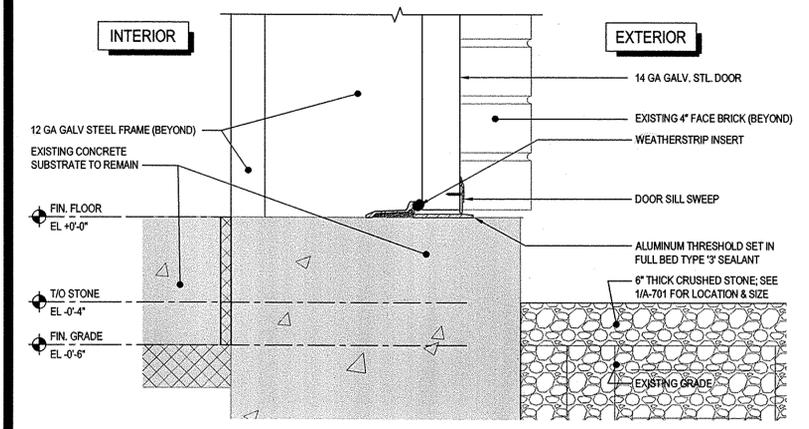
**CAVITY WALL INFILL DETAIL @ TEMPORARY EXIT DOOR HEAD**  
SCALE: 3" = 1'-0" **7**



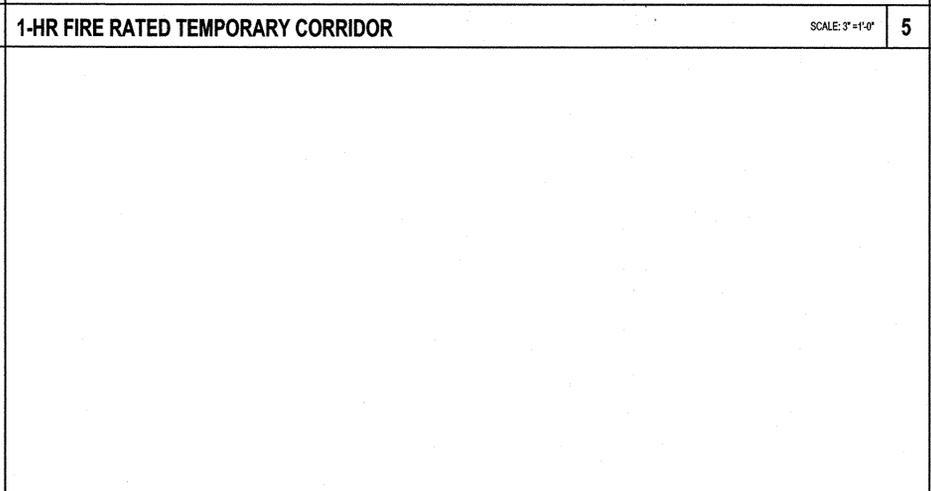
**DOOR JAMB DETAIL @ TEMPORARY EXIT DOOR**  
SCALE: 3" = 1'-0" **3**



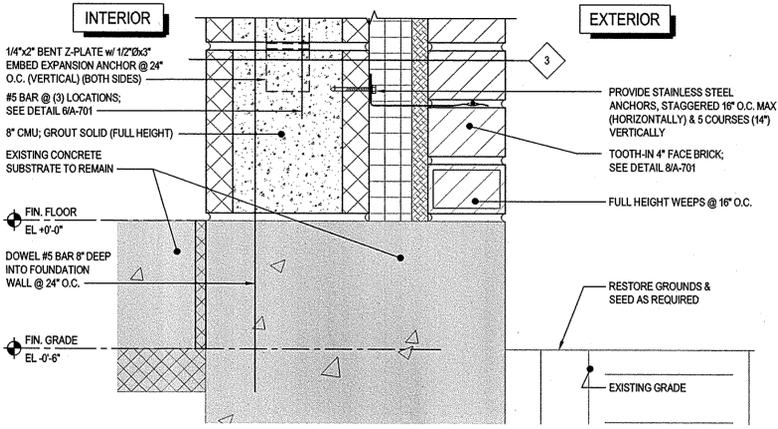
**CAVITY WALL INFILL DETAIL @ TEMPORARY EXIT DOOR JAMB**  
SCALE: 3" = 1'-0" **8**



**DOOR SILL DETAIL @ TEMPORARY EXIT DOOR**  
SCALE: 3" = 1'-0" **4**



**NOT USED**  
SCALE: 3" = 1'-0" **6**



**CAVITY WALL INFILL DETAIL @ TEMPORARY EXIT DOOR SILL**  
SCALE: 3" = 1'-0" **9**

MARK	DATE	DESCRIPTION
	3/6/2013	ADDENDUM NO. 1
	2/6/2013	BID DOCUMENT
PROJECT NUMBER:	44187	C
DESIGNED BY:	ME	
DRAWN BY:	ME/OMM	
FIELD CHECK:		
APPROVED:		
SHEET TITLE: TEMPORARY CONSTRUCTION MEANS OF EGRESS: PLANS, SECTIONS, ELEVATIONS & DETAILS		
DRAWING NUMBER: <b>A-702</b>		
SHEET OF		

No. 07.2013 - 12:23pm  
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 38x24 PLOT SHEET

CONSULTANT

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS

LOCATION: VARIOUS DOCCS FACILITIES

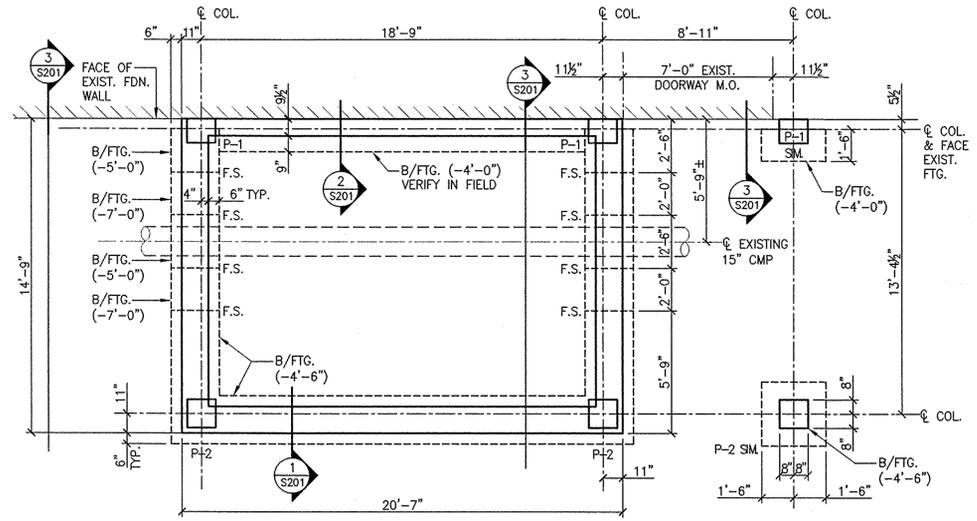
CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
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	2/6/2013	BID DOCUMENT
PROJECT NUMBER:	44187 - C	
DESIGNED BY:	M. ERNST	
DRAWN BY:	JUN	
FIELD CHECK:		
APPROVED:		

SECTIONS & DETAILS:  
WYOMING CF,  
ORLEANS CF

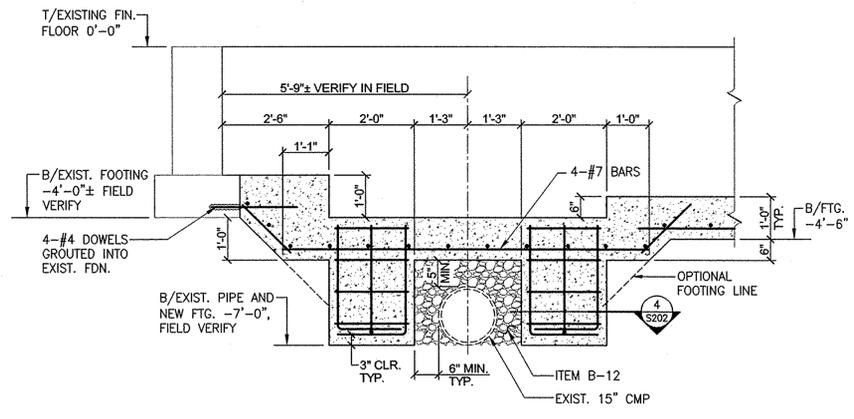
DRAWING NUMBER:  
S-202

SHEET OF



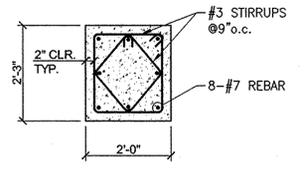
**BOTTOM OF FOOTING PLAN - ORLEANS C.F.**  
SCALE: 1/2" = 1'-0"

- NOTES:
- EXISTING FIN. FLOOR ELEV. 0'-0".
  - BOTTOM OF FOOTING ELEVATION:  
EXIST. = (-4'-0") VERIFY IN FIELD  
NEW = (-4'-6") U.N.O. (-X'-X")

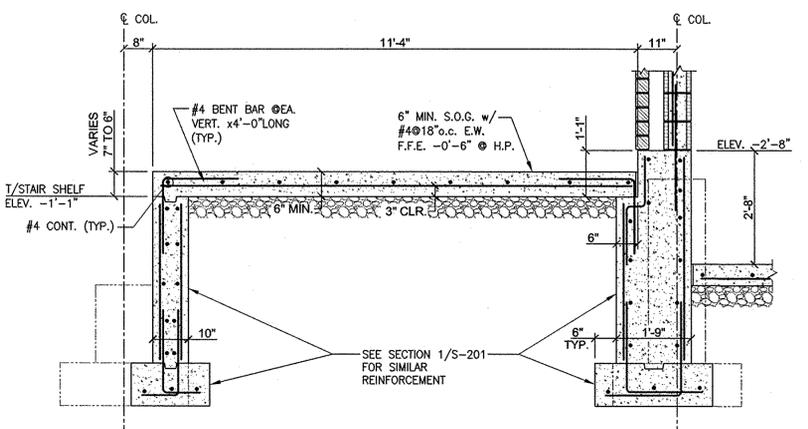


**SECTION 3**  
SCALE: 1/2" = 1'-0"

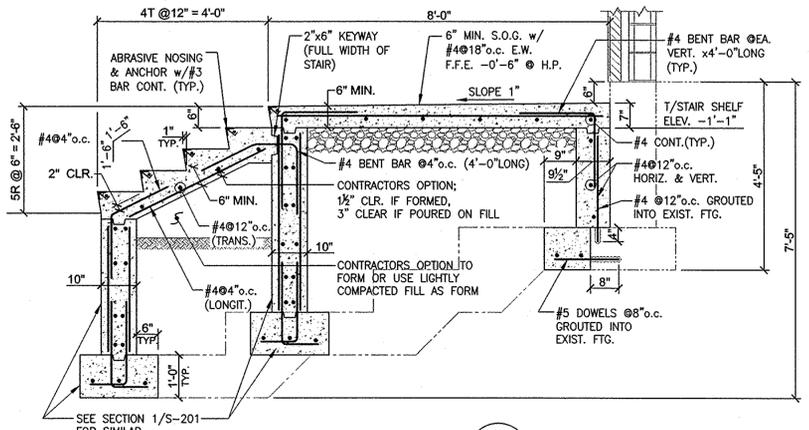
- NOTES:
- WALL REINFORCEMENT NOT SHOWN
  - SEE SECTION 1/S-201 & 2/S-201 FOR TYPICAL FOUNDATION REINFORCEMENT.



**SECTION 4**  
SCALE: 1/2" = 1'-0"



**SECTION 1**  
SCALE: 1/2" = 1'-0"



**SECTION 2**  
SCALE: 1/2" = 1'-0"



ABBREVIATIONS

AAHX	AIR-AIR HEAT EXCHANGER	MAV	MANUAL AIR VENT
AF	AIR FILTER	MAX	MAXIMUM
AFD	AIR PRESSURE DROP	MBH	BRITISH THERMAL UNIT x 1000 PER HOUR
BF	BELOW FLOOR	MECH	MECHANICAL
BLDG	BUILDING	MER	MECHANICAL EQUIPMENT ROOM
BY	BALL VALVE	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MISC	MISCELLANEOUS
CP	CONTROL PANEL	NIC	NOT IN CONTRACT
CTE	CONNECT TO EXISTING	NO.	NUMBER
Cv	COEFFICIENT/VALVE FLOW	NTS	NOT TO SCALE
CV	CONTROL VALVE	OA	OUTSIDE AIR
CW	COLD WATER	OAT	OUTSIDE AIR TEMP
DDC	DIRECT DIGITAL CONTROL	P	PUMP
DEG	DEGREE(S)	PA	PIPE ANCHOR
DIA	DIAMETER	PD	PRESSURE DROP
EA	EXHAUST AIR	PG	PRESSURE GAUGE
EAT	EXHAUST AIR TEMPERATURE	PH	PHASE (ELECTRICAL)
EC	ELECTRICAL CONTRACTOR	PHWR	PRIMARY HOT WATER RETURN
ET	EXPANSION TANK	PHWS	PRIMARY HOT WATER SUPPLY
EWT	ENTERING WATER TEMPERATURE	PSIG	POUNDS PER SQUARE INCH - GAUGE
EX	EXISTING	RAT	RETURN AIR TEMPERATURE
F	FAHRENHEIT	REQD	REQUIRED
F.F.E.	FINISHED FLOOR ELEVATION	RHC	REHEAT COIL
FLR	FLOOR	RM	ROOM
FPM	FEET PER MINUTE	RPM	REVOLUTIONS PER MINUTE
FT	FEET OR FOOT	SA	SUPPLY AIR
FTR	FINNED TUBE RADIATION	SAT	SUPPLY AIR TEMP
GPM	GALLONS PER MINUTE	SB	SECURITY BARRIER
HX	HEAT EXCHANGER	SD	SMOKE DETECTOR
HP	HORSEPOWER	SER	STAFF EXHAUST REGISTER
HOA	HAND-OFF-AUTOMATIC SWITCH	SHWR	SECONDARY HOT WATER RETURN
HR	HOUR	SHWS	SECONDARY HOT WATER SUPPLY
Hz	HERTZ	SP	STATIC PRESSURE
IN	INCHES	SQ IN	SQUARE INCHES
IN WC	INCHES WATER COLUMN	SSR	STAFF SUPPLY REGISTER
ISR	INMATE SUPPLY REGISTER	TEMP	TEMPERATURE
LAT	LEAVING AIR TEMPERATURE	TYP	TYPICAL
LBS	POUNDS	V	VOLT
LF	LINEAR FEET	VD	VOLUME DAMPER
LWT	LEAVING WATER TEMPERATURE	WHX	WATER-WATER HEAT EXCHANGER

SYMBOLS

	PHWS, SHWS, HWS, SUPPLY AIR DUCT		MANUAL AIR VENT
	PHWR, SHWR, HWR, EXHAUST AIR DUCT		BALANCING VALVE
	PIPE GUIDE		GATE VALVE
	PIPE ANCHOR		BALL VALVE
	REMOVE TO THIS POINT		MODULATING CONTROL VALVE
	CTE		STRAINER
	PIPE CONTINUES, NOT SHOWN FOR CLARITY		PRESSURE GAGE WITH ISOLATION VALVE AND SNUBBER
	DIRECTION OF FLOW ARROW		THERMOMETER (DIAL AND MERCURY)
	UNION		DIAMETER
	ELBOW DOWN		SUPPLY DUCT UP
	ELBOW UP		SUPPLY DUCT DOWN, SUPPLY REGISTER (LABELED)
	TEE		EXHAUST DUCT UP
	TEE DOWN		EXHAUST DUCT DOWN, EXHAUST REGISTER (LABELED)
	TEE UP		MOTORIZED DAMPER - (OPPOSED)
	BOTTOM CONNECTION		
	TOP CONNECTION		
	PIPE EXPANSION LOOP		

FACILITY NOTES

<b>BUILDING NO. 4</b> LAKEVIEW CORRECTIONAL FACILITY 9300 LAKE AVENUE BROXTON, NY 14716	<b>BUILDING NO. 14</b> ORLEANS CORRECTIONAL FACILITY 35-31 GAINES BASIN ROAD ALBION, NY 14411
<b>BUILDING NO. 4</b> LIVINGSTON CORRECTIONAL FACILITY ROUTE 36, SONYEA ROAD SONYEA, NY 14556	<b>BUILDING NO. 14</b> WYOMING CORRECTIONAL FACILITY 3203 DUNBAR ROAD ATTICA, NY 14011

GENERAL NOTES

- THIS PROJECT IS FOR WORK IN FOUR SEPARATE FACILITIES AND FOUR BUILDINGS AS NOTED ABOVE. WORK SHOWN ON DRAWINGS AND SPECIFICATIONS, UNLESS INDICATED AS WORK FOR A SPECIFIC FACILITY, BUILDING OR MULTIPLE FACILITIES, IS ASSUMED TO APPLY TO ALL. QUANTITIES OF MATERIAL SHOWN ON PLANS, SCHEDULES AND DETAILS MUST BE MULTIPLIED BY FOUR UNLESS NOTED AS SPECIFIC TO A FACILITY.



CONSULTANT

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 OR 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.



EXPANSION TANK SCHEDULE

TAG	FACILITIES	TYPE	VOLUME	ACCEPTANCE VOLUME	PRESSURE (PSI)			REMARKS
					INITIAL	FILL	MAX	
ET-1	ALL	DIAPHRAGM, VERTICAL	18 GALLONS	10 GALLONS	10	12	25	

FIN TUBE RADIATION SCHEDULE

TAG	LOCATION	TYPE	FLUID TYPE	AVG. W.T. (°F)	TUBE SIZE (IN)	FIN SIZE (IN)	FINS/FT	ROWS	ENCLOSURE HEIGHT (IN)	MOUNTING HEIGHT (IN)	BTUH/FT	REMARKS
FT-B	ADDITION	INSTITUTIONAL	WATER	170	3/4"	4-1/4" x 3-5/8"	40	1	14	18	1040	TYPICAL

NOTE: BASED ON 3 FT/SEC, 65 DEG F

FLOW BALANCING SCHEDULE

FACILITY	CURRENT GPM	REVISED PHWS FLOW TO BUILDING (GPM)	REMARKS
LAKEVIEW CF (BLDG. NO. 4)	107	131	SEE NOTE THIS SCHEDULE
LIVINGSTON CF (BLDG. NO. 4)	54	78	SEE NOTE THIS SCHEDULE
ORLEANS CF (BLDG. NO. 14)	54	78	SEE NOTE THIS SCHEDULE
WYOMING CF (BLDG. NO. 14)	54	78	SEE NOTE THIS SCHEDULE

NOTE: ADJUST PRIMARY HOT WATER BUILDING SUPPLY VALVE TO PROVIDE REVISED PHWS FLOW TO BUILDING.

AIR TO AIR HEAT EXCHANGER SCHEDULE

UNIT NO.	FACILITY	WINTER														SUMMER														OA CFM	EA CFM	POWER			HP SUPPLY FAN	HP EXHAUST FAN	AMPS	STATIC PRESSURE IN. WG.	MOTOR TYPE	CONT SIZE	REMARKS
		OAT DEG F	SAT DEG F	DB DEG F	WB DEG F	RAT DEG F	DB DEG F	WB DEG F	EAT DEG F	DB DEG F	WB DEG F	OAT DEG F	SAT DEG F	DB DEG F	WB DEG F	RAT DEG F	DB DEG F	WB DEG F	EAT DEG F	DB DEG F	WB DEG F	VOLTS	PHASE	HZ																	
AAHX-1	LAKEVIEW CF (BLDG. NO. 4)	-10	51	34	70	58	32	95	78	82	75	75	63	89	67	4,800	4,400	208	3	60	7.5	5	-	1.0	B-COM	1	SIMILAR DUCT CONNECTION ARRANGEMENT TO C-1 BY XETEX														
AAHX-1	LIVINGSTON CF (BLDG. NO. 4)	-10	51	34	70	58	32	95	78	82	75	75	63	89	67	4,800	4,400	208	3	60	7.5	5	-	1.0	B-COM	1	SIMILAR DUCT CONNECTION ARRANGEMENT TO C-1 BY XETEX														
AAHX-1	ORLEANS CF (BLDG. NO. 14)	-10	51	34	70	58	32	95	78	82	75	75	63	89	67	4,800	4,400	208	3	60	7.5	5	-	1.0	B-COM	1	SIMILAR DUCT CONNECTION ARRANGEMENT TO C-1 BY XETEX														
AAHX-2	WYOMING CF (BLDG. NO. 14)	-10	51	34	70	58	32	95	78	82	75	75	63	89	67	4,800	4,400	208	3	60	7.5	5	-	1.0	B-COM	1	SIMILAR DUCT CONNECTION ARRANGEMENT TO C-2 BY XETEX														

SUPPLY/EXHAUST REGISTER SCHEDULE

LABEL	CFM	NECK SIZE	FACE SIZE	S.P.	REMARKS
ISR-1	150	12"x12"	14"x14"	0.012	INMATE SUPPLY
SSR-1	100	10"x10"	12"x12"	0.012	STAFF SUPPLY
SSR-2	200	14"x14"	16"x16"	0.012	STAFF SUPPLY
IER-1	300	16"x16"	18"x18"	0.016	INMATE EXHAUST
SER-1	100	10"x10"	12"x12"	0.012	STAFF EXHAUST
SER-2	200	14"x14"	16"x16"	0.012	STAFF EXHAUST

REHEAT COIL SCHEDULE

TAG	FACILITY	TYPE	CFM	MBH	GPM	EWT (°F)	LWT (°F)	WPD (FT)	SAT (°F)	LAT (°F)	APD (IN)	# ROWS	FINS/FT	FACE VELOCITY (FPM)	REMARKS
RHC-A	LAKEVIEW CF (BLDG. NO. 4)	REHEAT COIL	4,800	212	17.5	180	160	4.36	45	85	0.28	2	84	698	SUPPLIED WITH AAHX-1
RHC-A	LIVINGSTON CF (BLDG. NO. 4)	REHEAT COIL	4,800	212	17.5	180	160	4.36	45	85	0.28	2	84	698	SUPPLIED WITH AAHX-1
RHC-A	ORLEANS CF (BLDG. NO. 14)	REHEAT COIL	4,800	212	17.6	180	160	4.34	45	85	0.28	2	72	698	SUPPLIED WITH AAHX-1
RHC-A	WYOMING CF (BLDG. NO. 14)	REHEAT COIL	4,800	212	17.6	180	160	4.34	45	85	0.28	2	72	698	SUPPLIED WITH AAHX-2

FACILITY DDC CONNECTION SCHEDULE

FACILITY	EXISTING DDC SYSTEM AND PROTOCOL	TIE-IN POINT	No. OF WORKSTATIONS	WORKSTATION LOCATIONS	ALARM PRINTER LOCATIONS
LAKEVIEW CF (BLDG. NO. 4)	ANDOVER CONTINUUM	BLDG. 4 MER	3	BLDG. NOS. 1, 10, 21	BLDG. NOS. 1, 10, 21
LIVINGSTON CF (BLDG. NO. 4)	ANDOVER CONTINUUM	BLDG. 4 MER	2	BLDG. NOS. 7 & 10	BLDG. NOS. 7 & 10
ORLEANS CF (BLDG. NO. 14)	ANDOVER CONTINUUM	BLDG. 14 MER	2	BLDG. NOS. 1 & 10	BLDG. NOS. 1 & 10
WYOMING CF (BLDG. NO. 14)	ANDOVER CONTINUUM	BLDG. 14 MER	2	BLDG. NOS. 42 & 72	BLDG. NOS. 42 & 72

NOTE: WHERE INDICATED ON DDC CONNECTION SCHEDULE, PROVIDE BACNET-COMPATIBLE DDC PATCH PANEL IN EACH BUILDING MECHANICAL ROOM. PROVIDE CONTROL WIRING TO AAHX, PUMPS, CONTROL VALVES, MOTORIZED DAMPERS FOR AAHX ROOM VENTILATION AND TEMPERATURE SENSORS.

CENTRIFUGAL CIRCULATING PUMP SCHEDULE

PUMP NO.	FACILITY	TYPE	GPM	HEAD FEET	INLET	OUTLET	IMPELLER	EFFICIENCY	MOTOR					MOTOR CONTROLLER		REMARKS
									HP	RPM	V	PH	HZ	TYPE	NEMA SIZE	
P-5, 6	LAKEVIEW CF (BLDG. NO. 4)	IN-LINE CENTRIFUGAL	19.0	26.3	1-1/4"	1-1/4"	5.00"	49%	0.5	1,750	110	1	60	A-1	0	
P-5, 6	LIVINGSTON CF (BLDG. NO. 4)	IN-LINE CENTRIFUGAL	19.0	40.0	1-1/2"	1-1/2"	6.25"	36%	0.5	1,750	110	1	60	A-1	0	
P-3, 4	ORLEANS CF (BLDG. NO. 14)	IN-LINE CENTRIFUGAL	19.0	26.3	1-1/4"	1-1/4"	5.00"	49%	0.5	1,750	110	1	60	A-1	0	
P-3, 4	WYOMING CF (BLDG. NO. 14)	IN-LINE CENTRIFUGAL	19.0	40.0	1-1/2"	1-1/2"	6.25"	36%	0.5	1,750	110	1	60	A-1	0	

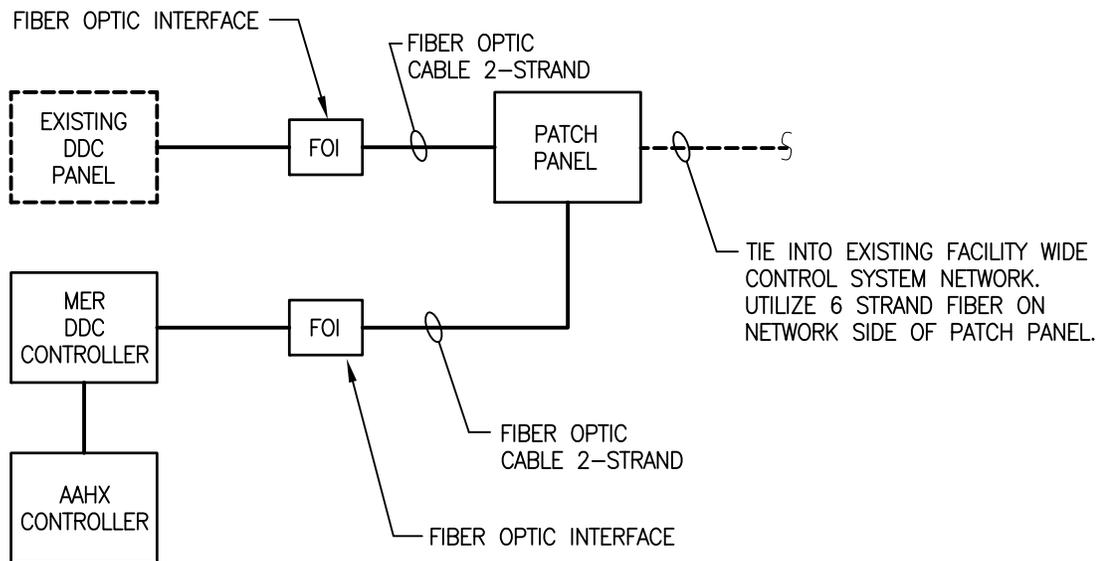
WATER-TO-WATER HEAT EXCHANGER SCHEDULE

TAG	FACILITY	TYPE	PRIMARY				SECONDARY				PASSES	LENGTH	DIAMETER	FOULING FACTOR	BASIS OF DESIGN
			EWT	LWT	GPM	S.P. (PSI)	EWT	LWT	GPM	S.P. (PSI)					
WHX-1, 2	LAKEVIEW CF (BLDG. NO. 4)	SHELL-TUBE	200°F	180°F	19.1	0.1	160°F	180°F	19.0	0.1	4	60	10	+0.0014	B&G MODEL WU
WHX	LIVINGSTON CF (BLDG. NO. 4)	BRAZED PLATE	200°F	180°F	19.6	5.7	160°F	180°F	19.5	4.8	1	-	-	-	B&G MODEL BPX
WHX-1, 2	ORLEANS CF (BLDG. NO. 14)	SHELL-TUBE	200°F	180°F	19.1	0.1	160°F	180°F	19.0	0.1	4	60	10	+0.0014	B&G MODEL WU
WHX	WYOMING CF (BLDG. NO. 14)	BRAZED PLATE	200°F	180°F	19.6	5.7	160°F	180°F	19.5	4.8	1	-	-	-	B&G MODEL BPX

NOTE: PROVIDE SADDLE FOR ALL SHELL-TUBE HEAT EXCHANGERS.

CONTRACT: HVAC  
TITLE: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS  
LOCATION: VARIOUS DOCCS FACILITIES  
CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

3/6/2013	ADDENDUM A	
2/6/2013	BID DOCUMENT	
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	44187 - H	
DESIGNED BY:	R.E. VEHLW	
DRAWN BY:	KJV	
FIELD CHECK:	MS/JM/RK/CC	
APPROVED:	BEE	
SHEET TITLE:	SYMBOLS, ABBREVIATIONS, SCHEDULES AND NOTES	
DRAWING NUMBER:	M-001	
SHEET	1	OF 7



## DDC CONTROL BLOCK DIAGRAM

SCALE : NO SCALE



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CONTRACT: HVAC

PROJ. NO: 44187

DATE: 03/06/2013

DRAWN: KJV

APPROVED: BEE

SHEET TITLE:

DDC CONTROL BLOCK DIAGRAM

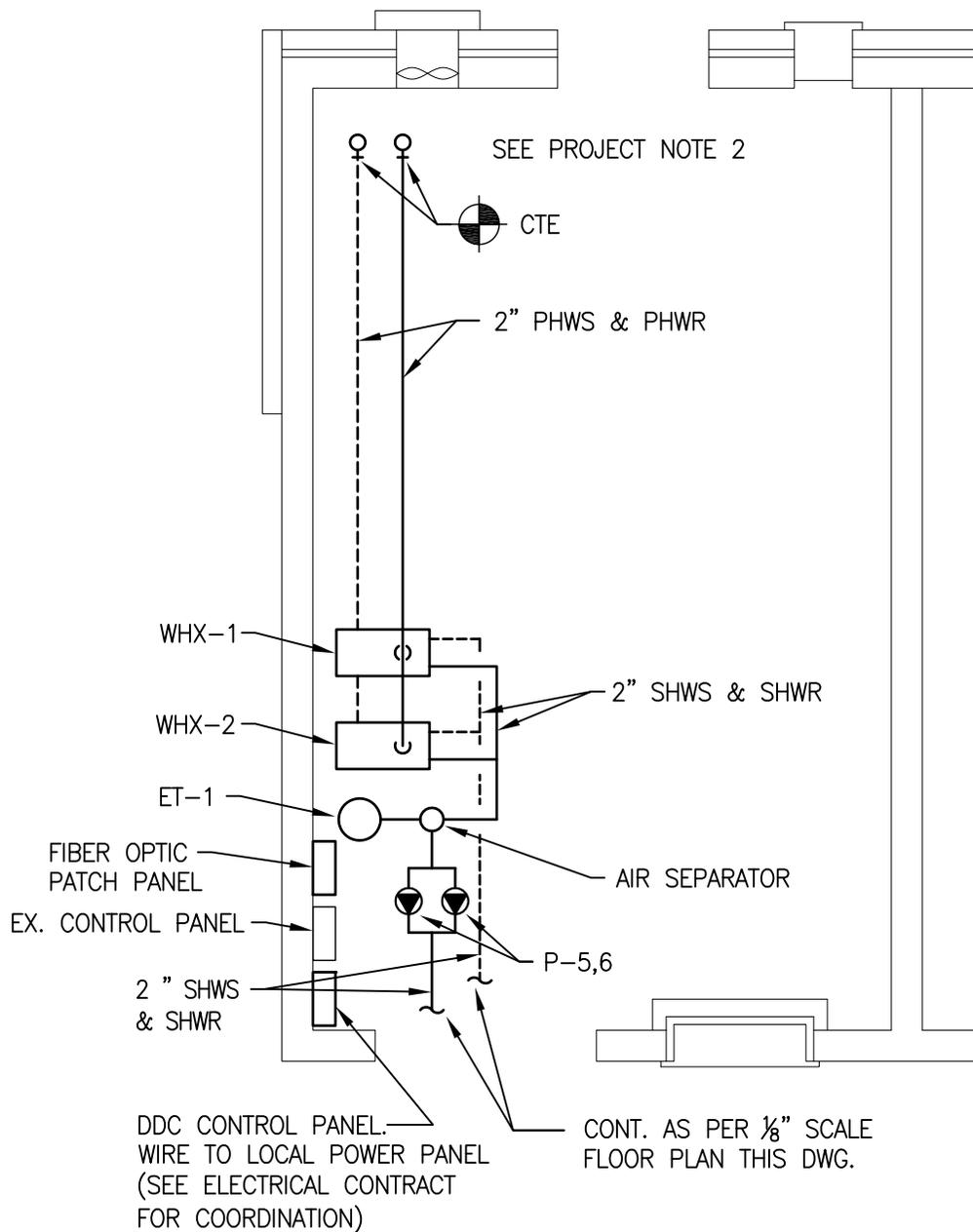
PROJECT:

PROVIDE VENTILATION  
MAIN SCHOOL BUILDINGS

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.

DWG NO:

SK-1H



1 ENLARGED M.E.R. 4  
 M-101 SCALE : 1/4" = 1'-0"



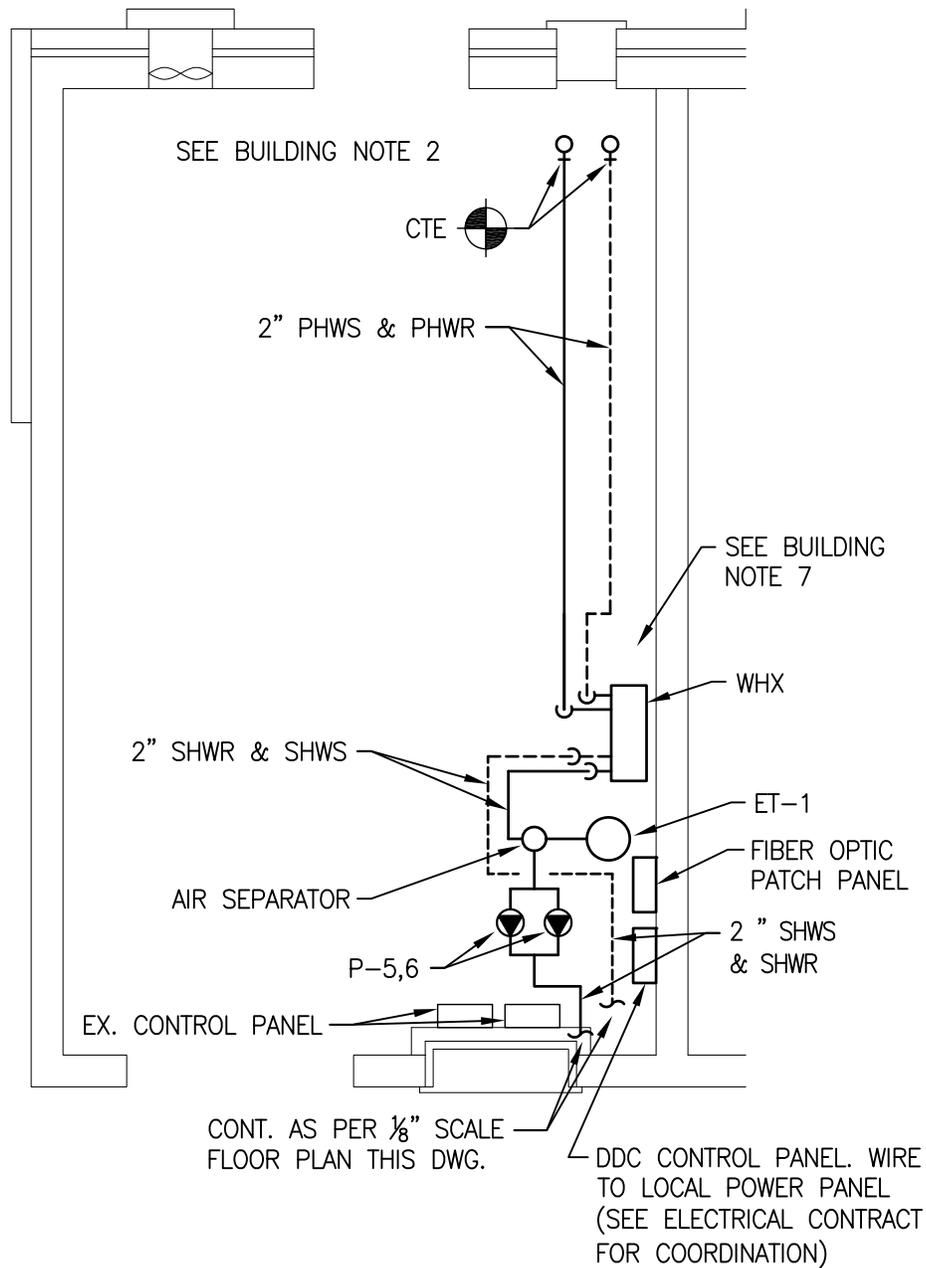
CONTRACT: HVAC  
 PROJ. NO: 44187  
 DATE: 03/06/2013  
 DRAWN: KJV  
 APPROVED: BEE

SHEET TITLE: LAKEVIEW CORRECTIONAL FACILITY  
 BUILDING NO. 4  
 ENLARGED M.E.R. 4

PROJECT: PROVIDE VENTILATION  
 MAIN SCHOOL BUILDINGS

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DWG NO:  
 SK-2H



1 ENLARGED M.E.R. 67  
 M-102 SCALE : 1/4" = 1'-0"



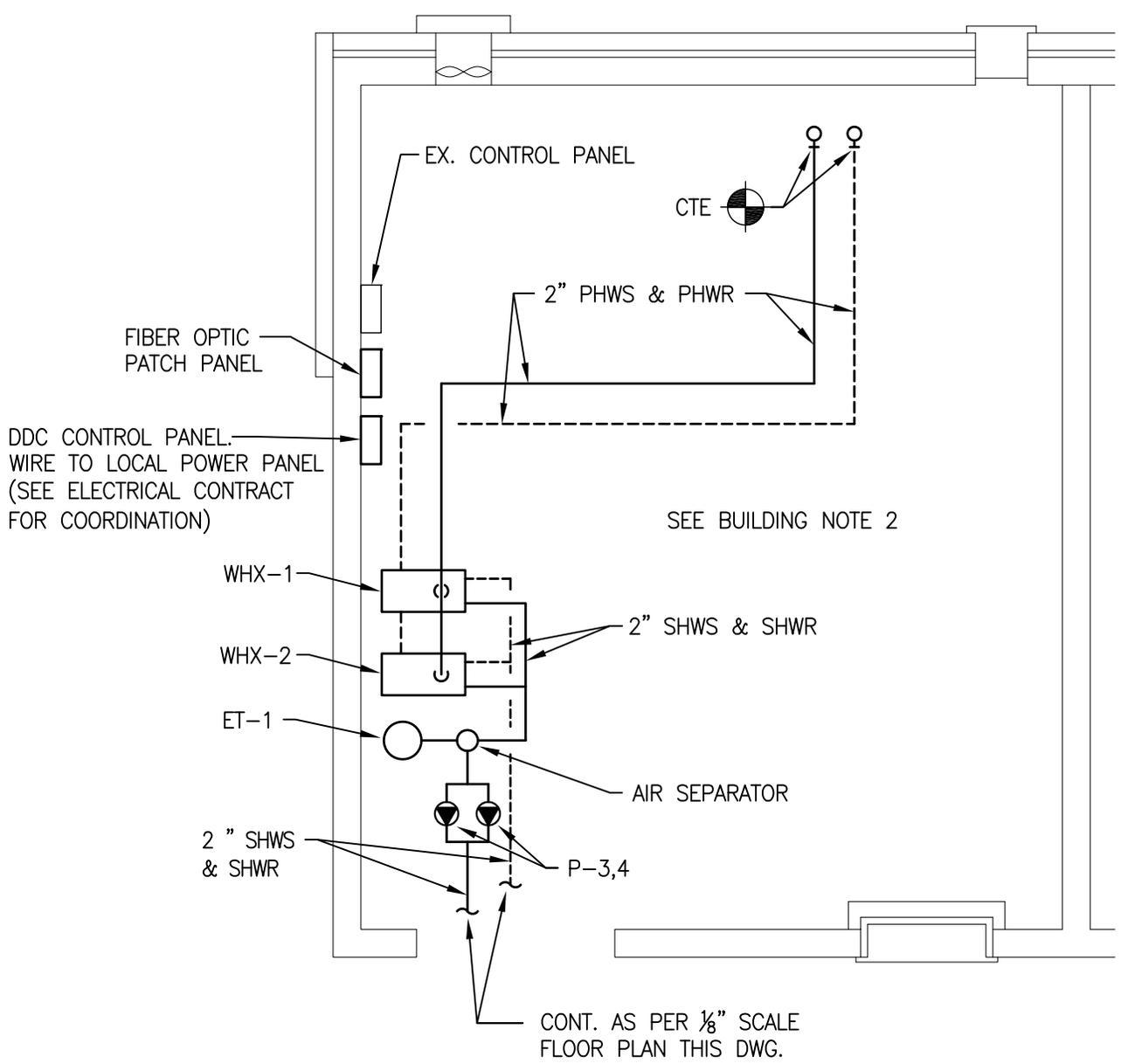
CONTRACT: HVAC  
 PROJ. NO: 44187  
 DATE: 03/06/2013  
 DRAWN: KJV  
 APPROVED: BEE

SHEET TITLE: LIVINGSTON CORRECTIONAL FACILITY  
 BUILDING NO. 4  
 ENLARGED M.E.R. 67

PROJECT: PROVIDE VENTILATION  
 MAIN SCHOOL BUILDINGS

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DWG NO:  
 SK-3H



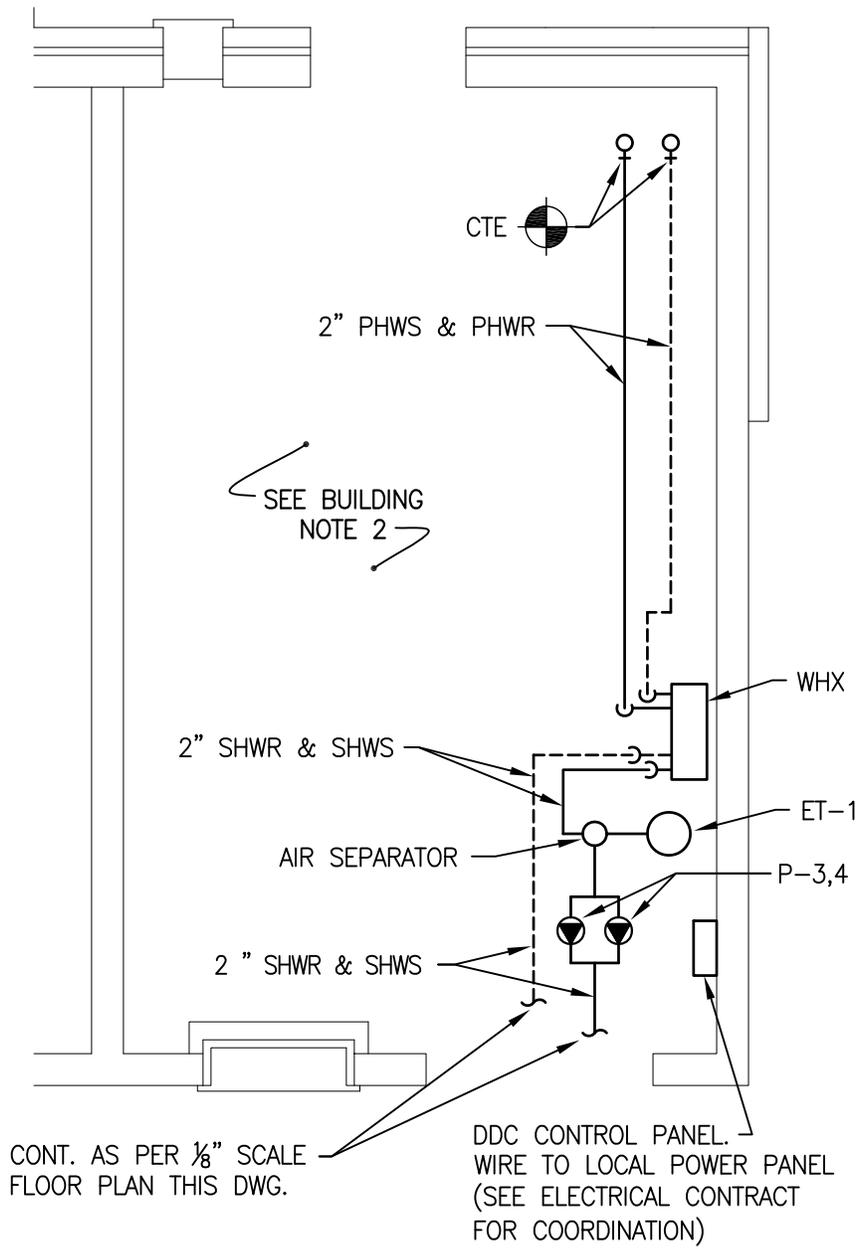
1
ENLARGED M.E.R. 104  
M-103
SCALE : 1/4" = 1'-0"



**OGS**  
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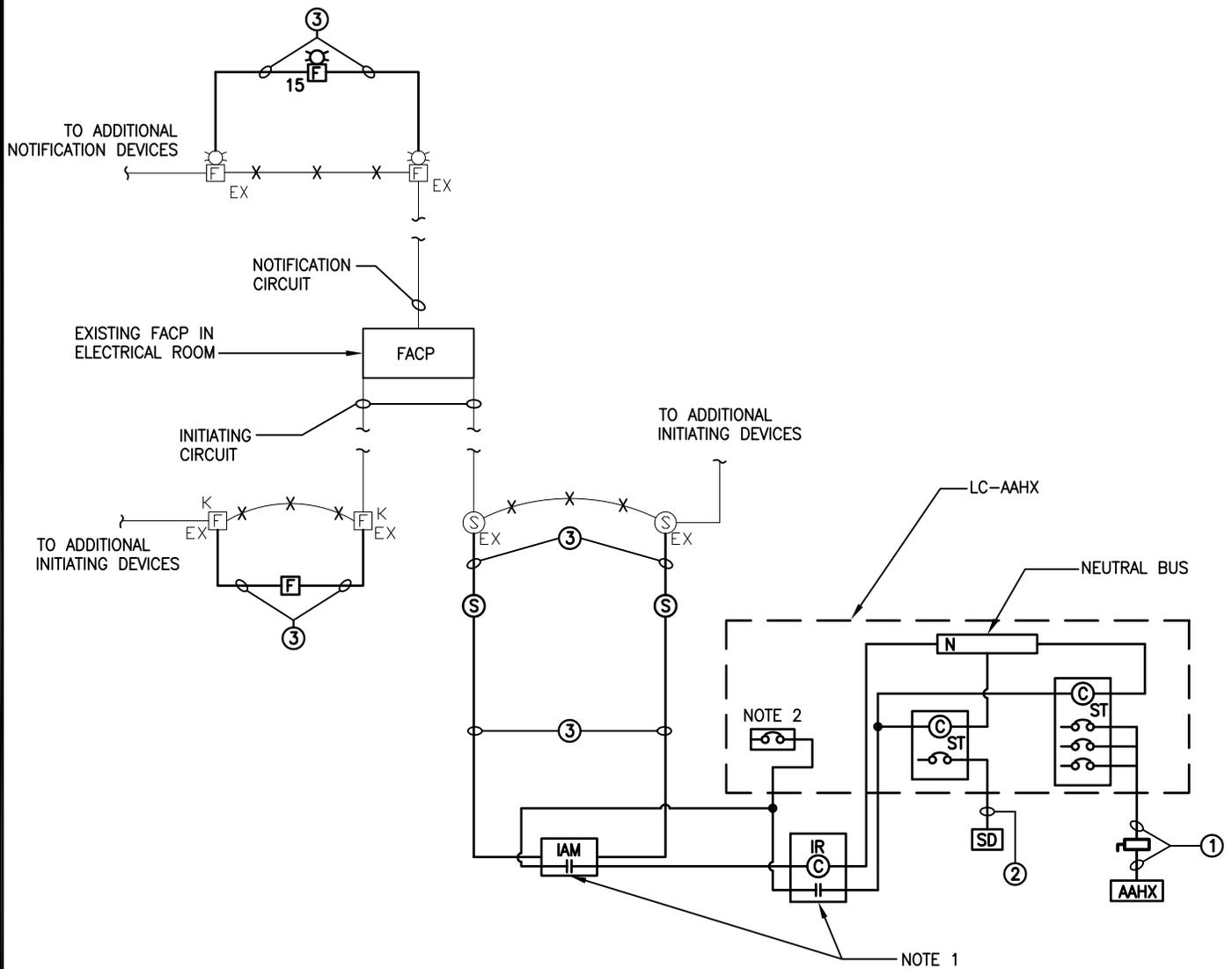
CONTRACT: HVAC
PROJ. NO: 44187
DATE: 03/06/2013
DRAWN: KJV
APPROVED: BEE

SHEET TITLE: ORLEANS CORRECTIONAL FACILITY BUILDING NO. 14 ENLARGED M.E.R. 104	
PROJECT: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS	
<small>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.</small>	DWG NO: SK-4H



1
ENLARGED M.E.R. 23  
M-104
SCALE : 1/4" = 1'-0"

 NYS OFFICE OF GENERAL SERVICES <i>Serving New York</i>	SHEET TITLE: WYOMING CORRECTIONAL FACILITY BUILDING NO. 14 ENLARGED M.E.R. 23	
	PROJECT: PROVIDE VENTILATION MAIN SCHOOL BUILDINGS	
CONTRACT: HVAC PROJ. NO: 44187 DATE: 03/06/2013 DRAWN: KJV APPROVED: BEE	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.	DWG NO: SK-5H



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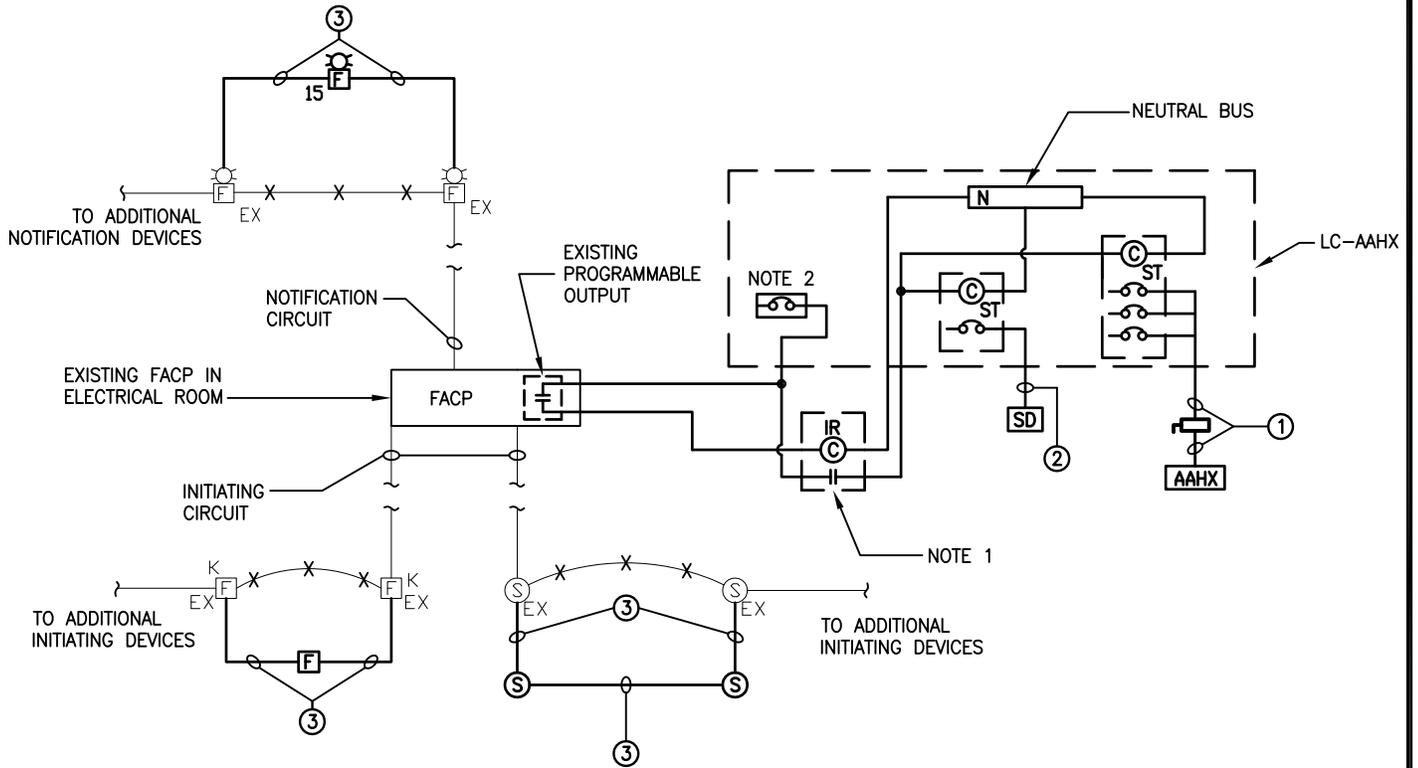
CONTRACT: ELECTRICAL  
 PROJ. NO: 44187-E  
 DATE: 3/6/2013  
 DRAWN: G. BRADLEY  
 APPROVED: -

SHEET TITLE: REVISED DETAIL  
 FIRE ALARM  
 ONE-LINE

PROJECT: PROVIDE VENTILATION  
 MAIN SCHOOL BUILDINGS  
 BUILDING NO. 4 OR 14

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DWG NO:  
 E-113



NYS OFFICE OF GENERAL SERVICES

*Serving New York*

CONTRACT: ELECTRICAL  
 PROJ. NO: 44187-E  
 DATE: 3/6/2013  
 DRAWN: G. BRADLEY  
 APPROVED: -

SHEET TITLE: REVISED DETAIL  
 FIRE ALARM ONE-LINE  
 LAKEVIEW CF AND ORLEANS CF

PROJECT: PROVIDE VENTILATION  
 MAIN SCHOOL BUILDINGS  
 BUILDING NO. 4 OR 14

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DWG NO:  
 E-114