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**ADDENDUM NO. 2 TO PROJECT NO. 43961**

**ELECTRIC WORK  
PROVIDE CCTV SECURITY SYSTEM  
ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE, BROOKLYN, NY 11221**

June 20, 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**

1. Common to all specification sections within the contract project manual:
  - a. E.C. or Electrical Contractor pertains to the single contract awarded contractor. TIS or Tyco Integrated Security is still a separate contractor from the single contract awarded contractor. E.C., G.C. or Contractor is responsible for all work shown within the drawings and specifications, except TIS annotated work, regardless of the verbiage (i.e. "By Others", etc.)
2. 042113 Brick Masonry:
  - a. Page 02113-1, 1.02, A 1: Item should read as followed:  
  
Facing Brick: 5, each type, showing full range of color and texture.
3. 057000 Ornamental Metal:
  - a. Page 05700-2, 2.04 D: Delete paragraph from this section.
4. 061000 Rough Carpentry:
  - a. Page 061000-1: Add the following Section and Paragraph:  
  
Section 1.04 SUBMITTALS  
A. Quality Control Submittals:
    - a. Fire-Retardant Treatment: Certification by treating plant stating treated material complies with specified standards and treatment will not bleed through specified finishes.

5. 062000 Finish Carpentry:
  - a. Page 062000-1, 1.03 C.: Delete paragraph in its entirety.
6. 064000 Architectural Woodwork:
  - a. Page 064000-2, 2.02 4, 5, 6, 9, 12, 13: Delete items.
  - b. Page 064000-2, 2.04 6: Delete the word, "DOOR" from note.
7. 079200 Joint Sealers
  - a. New section has been added to the Specifications Manual.
8. 088100 Glass and Glazing:
  - a. Page 088100-1, 1.03 B 3a.: Delete item.
  - b. Page 088100-2, 1.04 C 2: Delete paragraph in its entirety.
  - c. Page 088100-2, 2.03: Delete section in its entirety.
9. 088853 Security Glazing:
  - a. Page 088853-3, 1.08: Delete section in its entirety.
  - b. Page 088853-3, 1.09: Delete section in its entirety.

**DRAWINGS**

10. Common to all drawings within the contract drawing set:
  - a. E.C. or Electrical Contractor pertains to the single contract awarded contractor. TIS or Tyco Integrated Security is still a separate contractor from the single contract awarded contractor. E.C., G.C. or Contractor is responsible for all work shown within the drawings and specifications, except TIS annotated work, regardless of the verbiage (i.e. "By Others", etc.)
  - b. All drawings are being re-published as part of this addendum. The provided hard copies and electronic TIFF file line weights (shading for gray and black) were indistinguishable. See PDF copy as part of this addendum.
11. Drawing No. A-001:
  - a. ABBREVIATIONS:
    - 1) Add "EM" with EMERGENCY BACKUP description.
    - 2) Add "ER" with EXISTING RELOCATED description.
12. Drawing No. A-101:
  - a. Drawing Title to say "MAIN FLOOR REMOVALS PLAN" in lieu of original title.
13. Drawing No. A-103:

- a. CONSTRUCTION PLAN:
  - 1) Add note to "ALIGN INSIDE FACE OF WALL" in STAIR No. 4 (M52)
  - 2) Door No. "M54" swing to be reverse

## 14. Drawing No. A-104:

- a. NOTES:
  - 1) Add description, "PRIME AND PAINT TO MATCH EXISTING." to Note No. 5.
- b. LEGEND:
  - 1) Change "A" 2x4 Light Fixture to be indicated as "B" 2x4 Light Fixture.
  - 2) Change "B" 2x2 Light Fixture to be indicated as "A" 2x2 Light Fixture.
  - 3) Change "G" Exit Signage to be indicated as "J" Exit Signage.
  - 4) Change "J" Quarter Dome Security Mirror to be indicated as "G" Quarter Dome Security Mirror.
  - 5) Add "EX – EXISTING" for abbreviations.
- c. CEILING PLAN:
  - 1) Rm M16: Change "A" to "B" 2x4 Light Fixture.
  - 2) Rm M17: Change "B" to "A" 2x2 Light Fixture.
  - 3) Rm M18: Change "A" to "B" for both 2x4 Light Fixtures.
  - 4) Rm M49: Change "G" to "J" Exit Signage.
  - 5) Rm M52: Change "ER" to "EX" Smoke Detector.  
Change "G" to "J" Exit Signage.
  - 6) Rm M53: Change "G" to "J" Exit Signage.  
Indicate smoke detector as "EX" Smoke Detector.  
Change "J" to "G" Quarter Dome Security Mirror.

## 15. Drawing No. A-105:

- a. FLOOR PLAN:
  - 1) Add "ER""FP" Fire Pull Box symbol in Vestibule M53 on perimeter wall on right side of exterior emergency exit door.
  - 2) Remove note in "CONTROL CENTER (M18)" indicating 3" dia. grommet due to electrical wire strip being located above counter.
- b. LEGEND:
  - 1) Add "FP" Symbol and "FIRE PULL BOX" to description.
- c. NOTES:
  - 1) Remove Note No. 4 in its entirety.
  - 2) Notes 1 through 3, delete the words, "BY OTHERS" and replace with, "SEE ELECTRICAL DWGS."

## 16. Drawing No. A-106:

- a. General Note: Forced ventilation (exhaust to outdoors and sufficient fresh air supply) shall be provided while painting rooms M16, M17 and M18, until the odor of fresh paint has dissipated. These areas are manned 24 hours per day and must remain operational. Coordinate with the Director's Representative regarding when the forced ventilation can be removed.
- b. Partial Existing Accent Border Strip to be indicated on Plan along exterior windows and at existing door "M51".

## 17. Drawing No. A-201:

- a. ELEVATION 1/A-201: Add drawer locksets to each drawer face.
18. Drawing No. A-501:
- a. PARTITION TYPE “B”: Add note, “ALIGN INSIDE FACE OF WALL W/ EXISTING WALL”
19. Drawing No. A-601:
- a. Add (2”) dimension to HEAD & JAMB details
  - b. Door Types not to indicate “KICK PLATE” at bottom of door.
  - c. Door Types, Typ Door Location to indicate 6” in lieu of 4”.
  - d. NOTES:
    - 1) Eliminate Note No. 1.
    - 2) Note 2 becomes No. 1, Note 3 becomes No. 2, Note 4 becomes No. 3
    - 3) Add Note No. 4 “FOR SECURITY HARDWARE & CABLING, REFER TO ELECTRICAL SECURITY DRAWINGS.
    - 4) Revised numbered Note No. 3 to read, “INTERIOR STAIRWELL DOORS...”
20. Drawing No. M-100, M-101, M-200:
- a. See SK-ME101 (provided as part of this addendum) for modified scope of work pertaining to providing (2) 40,000 BTU/HR HVAC split units within the security room.
21. Drawing No. DE-100:
- a. General Demolition Note #10: Replace with the following, “Any shutdown of existing building electrical and security systems shall be coordinated with the Director’s Representative. Any shutdown or start-up of the building security system shall be coordinated with TIS. Notify and make arrangements at least 5 business days prior to any shutdown or start-up.
22. Drawing No. E-002:
- a. Project Notes #8: Replace note with the following, “Pole and wall mounted cameras shall not exceed 14’ AFG. The Director’s Representative and TIS will coordinate exact locations/ height during the initial project walk through meeting for the awarded contractor.
23. Drawing No. E-100, E-102, E-105:
- a. Add Watchman’s Guard Tour Stations (WT’s) at doors 013, 019 and 020. Add WT’s for both the inside and outside of door at room 112. Add a WT at resident room 412 door.
24. Drawing No. E-100, E-103:
- a. See SK-ME101 (provided as part of this addendum) for modified scope of work pertaining to providing demolition and an electric infrastructure for (2) 40,000 BTU/HR HVAC split units within the security room.
25. Drawing No. E-101, E-200:

**ADDENDUM NO. 2 TO PROJECT NO. 43961-E**

June 20, 2013

- a. Contractor to provide suitable surge/ lightning protection devices to protect the Electrified Lock Sets (ELS') for doors M32, M41, M48, M54 and M58; and for the exterior Intercom Station (INT-D) at door M58. Contractor shall provide the necessary interconnecting wiring and an associated weatherproof and vandal proof enclosure for each of the surge protection devices. Submit devices, methodology and enclosures to the Director's Representative for approval.
26. Drawing No. E-101A:
- a. Project Key Notes #5: sheet # for door control panel is E-203, not E-204
27. Drawing No. E-101A, E-203:
- a. Contractor to relocate the door control console, and all work associated with the relocation of the console, during night working hours (9-pm – 6am) to ensure room M18 24 hour operations are impacted minimally.
28. Drawing No. E-300:
- a. Key Note #11 symbol with leaders pointing at the existing Endura SM5000 and WS5060 modules should be replaced with a #9.
  - b. See SK-ME101 (provided as part of this addendum) for modified SP1 and EMGPP panel schedule modifications
29. Drawing No. E-301:
- a. Leader labeled #1 which is attached to the Asst. Director's Office workstation network cable should be a "B" wire symbol (CAT 6 cable, ¾" RGS conduit).
  - b. Eliminate Video Surveillance Key Note #1

**END OF ADDENDUM**

James Dirolf, P.E.  
Director of Design

## SECTION 079200

### JOINT SEALERS

#### PART 1 GENERAL

##### 1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Glazing Sealants: Section 088100.

##### 1.02 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, and installation instructions for each product specified except miscellaneous materials.
- B. Samples:
  - 1. Sealants: One pint or standard tube.
  - 2. Joint Fillers: 24 inch long full section.
  - 3. Gaskets: 24 inch long full section.
  - 4. Joint Primer/Sealer/Conditioners: One pint.
  - 5. Backer Rods: 24 inch long full section.
  - 6. Bond Breaker Tape: 24 inch long full section.
- C. Quality Control Submittals:
  - 1. Installer's Qualifications Data: Affidavit required under Quality Assurance Article.
  - 2. Company Field Advisor Data: Name, business address, and telephone number of Company Field Advisor.

##### 1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: The persons installing the sealants and their supervisor shall be personally experienced in the installation of sealants and shall have been regularly employed by a company engaged in the installation of sealants for a minimum of two years.
  - 1. Furnish to the Director the names and addresses of five similar projects which the foregoing people have worked on during the past two years.
  - 2. Furnish a letter from the sealant manufacturer, stating that the foregoing people are authorized to install the manufacturer's sealant materials and that the manufacturer's specifications are applicable to the requirements of this Project.
- B. Pre-Work Conference: Prior to starting the Work and before materials are ordered, a conference will be held at the Site to discuss the specifications, details, and application requirements. The meeting shall be attended by the Contractor, the sealant applicator and the sealant manufacturer's Company Field Advisor.
- C. Container Labels: Include manufacturer's name, trade name of product, kind of material, federal specification number (if applicable), expiration date (if applicable), and packaging date or batch number.

- D. Test and validate sealants used for exterior weather sealing per the Sealant Waterproofing Restoration Institute (SWRI).
- E. Warranties:
  - 1. Silicone sealants: 20 years Weatherseal Warranty.
  - 2. Polyurethane or Silicone: 5 year Weatherseal Warranty.
  - 3. Sealants for Granite, Marble and Limestone: 20 year Non-Stain Warranty.

#### **1.04 PROJECT CONDITIONS**

- A. Environmental Requirements:
  - 1. Temperature: Unless otherwise approved or recommended in writing by the sealant manufacturer, do not install sealants at temperatures below 40 degrees F or above 85 degrees F for non-silicone sealants and below minus 20 degrees F or above 125 degrees F for silicone sealants.
  - 2. Humidity and Moisture: Do not install the Work of this section under conditions that are detrimental to the application, curing, and performance of the materials.
  - 3. Ventilation: Provide sufficient ventilation wherever sealants, primers, and other similar materials are installed in enclosed spaces. Follow manufacturer's recommendations.
- B. Protection:
  - 1. Protect all surfaces adjacent to sealants with non-staining removable tape or other approved covering to prevent soiling or staining.
  - 2. Protect all other surfaces in the Work area with tarps, plastic sheets, or other approved coverings to prevent defacement from droppings.

### **PART 2 PRODUCTS**

#### **2.01 SEALANTS**

- A. Type 1B Sealant:
  - 1. For Horizontal Joints: One-part, self-leveling silicone or polyurethane sealant for traffic bearing construction; Bostik Chem-Calk 955-SL, Tremco Vulkem 45, Pecora Urexpan NR-201, Pecora 300-SL, Pecora 310-SL, Sika Sikaflex-1CSL, Dow Corning CCS.
  - 2. For Vertical Joints: One-part, non-sag silicone or polyurethane sealant; Tremco Vulkem 116, Pecora Dynatrol I, Sika Sikaflex Textured Sealant, Dow Corning CCS or CWS, Pecora 301-NS, Pecora 311-NS.
- B. Pre-formed Sealant: Preformed paintable sealant strips of open cell, compressible urethane foam, saturated with non-drying, non-staining, and non-migrating butylene compound.
- C. Sealant Colors: For exposed materials provide color as selected by the Director from manufacturer's standard colors. For concealed materials, provide the natural color which has the best overall performance characteristics.

#### **2.02 JOINT FILLERS**

Updated: 03/30/2012

Printed: 09/07/2012

079200-2

Project No.: 43961-E (Addendum #2)

- A. Self-Expanding Cork Joint Filler: Resilient, non-extruding type pre-molded cork units; ASTM D 1752, Type III.
- B. Cork Joint Filler: Resilient, non-extruding type pre-molded cork units; ASTM D 1752, Type II.
- C. Closed Cell Neoprene Joint Filler: ASTM D 1056, Class SC (oil resistant and medium swell), 2 to 5 psi compression deflection.
- D. Expanded Polyethylene Joint Filler: Flexible, compressible, closed-cell polyethylene of not less than 10 psi compression deflection (25 percent).
- E. Closed Cell Polyurethane Joint Filler: Resilient, compressible, semi-rigid; W.R. Meadows Ceramar or A.C. Horn Closed Cell Plastic Foam Filler, Code 5401.

### **2.03 GASKETS**

- A. Hollow Neoprene Gasket: Hollow or compartmentalized neoprene extrusion, designed to withstand compression to 40 percent of normal width without extrusion from joint, and with full recovery; heavy, durable top member, suitable for long-term exposure to weather and traffic, hardness of 55 Shore A; ASTM D 2628.
- B. Adhesive Closed-Cell PVC Gasket: Closed-cell, flexible, self adhesive, non-extruding, polyvinylchloride foam gaskets; ASTM D 1667.

### **2.04 MISCELLANEOUS MATERIALS**

- A. Backer Rod: Compressible rod stock of expanded, extruded polyethylene.
- B. Bond Breaker Tape: Polyethylene or other plastic tape as recommended by the sealant manufacturer; non-bonding to sealant; self adhesive where applicable.
- C. Cleaning Solvents: Oil free solvents as recommended by the sealant manufacturer. Do not use re-claimed solvents.
- D. Masking Tape: Removable paper or fiber tape, self-adhesive, non-staining.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Examine all joint surfaces for conditions that may be detrimental to the performance of the completed Work. Do not proceed until satisfactory corrections have been made.

### **3.02 PREPARATION**

- A. Clean joint surfaces immediately before installation of sealant and other materials specified in this Section.
  - 1. Remove all loose materials, dirt, dust, rust, oils and other foreign matter that will impair the performance of materials installed under this Section.
  - 2. Remove lacquers, protective coatings and similar materials from joint faces with manufacturer's recommended solvents.
  - 3. Do not limit cleaning of joint surfaces to solvent wiping. Use methods such as grinding, acid etching or other approved and manufacturer's recommended means, if required, to clean the joint surfaces, assuring that the sealant materials will obtain positive and permanent adhesion.
  
- B. Set joint fillers at proper depth and position as required for installation of bond breakers, backer rods, and sealants. Do not leave voids or gaps between the ends of joint filler units.
  - 1. Smooth Edged Joints: For joints between two concrete slabs or where new concrete abuts smooth edged materials use either cork joint filler or closed cell polyurethane joint filler.
  - 2. Irregular Edged Joints: For joints where new concrete abuts granite curbs or other irregular edges use closed cell polyurethane joint filler.
  
- C. Priming Joint Surfaces:
  - 1. Prime joints which are to receive Type 1A and 1B Sealants.
  - 2. Prime joints other than those above if so recommended by the manufacturer's printed instructions.
  - 3. Do not allow the primer/sealer to spill or migrate onto adjoining surfaces.

### **3.03 JOINT BACKING INSTALLATION**

- A. Install bond breaker tape in relaxed condition as it comes off the roll. Do not stretch the tape. Lap individual lengths.
- B. Install backer rod of sufficient size to fill the joint width at all points in a compressed state. Compress backer rod at the widest part of the joint by a minimum of 25 percent. Do not cut or puncture the surface skin of the rod.

### **3.04 SEALANT INSTALLATION**

- A. Except as shown or specified otherwise, install sealants in accordance with the manufacturer's printed instructions.
- B. Install sealants with ratchet hand gun or other approved mechanical gun. Where gun application is impractical, install sealant by knife or by pouring as applicable.
  
- C. Finishing: Tool all vertical, non-sag sealants so as to compress the sealant, eliminating all air voids and providing a neat smoothly finished joint. Provide slightly concave joint surface, unless otherwise indicated or recommended by the manufacturer.
  - 1. Use tool wetting agents as recommended by the sealant manufacturer.

### **3.05 FIELD QUALITY CONTROL**

Updated: 03/30/2012

Printed: 09/07/2012

079200-4

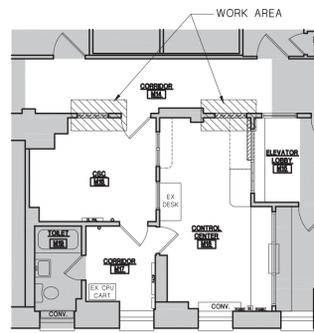
Project No.: 43961-E (Addendum #2)

- A. Test Samples:
  - 1. Where directed, for each 1000 linear feet of joint installed, cut out and carefully remove a 6 inch long sample of the undisturbed sealant and joint backer material from the newly installed Work. Remove the samples in the presence of the Director's Representative who will retain them for evaluating and testing.
  - 2. Reseal cut out areas with the same materials.

### **3.06 CLEANING**

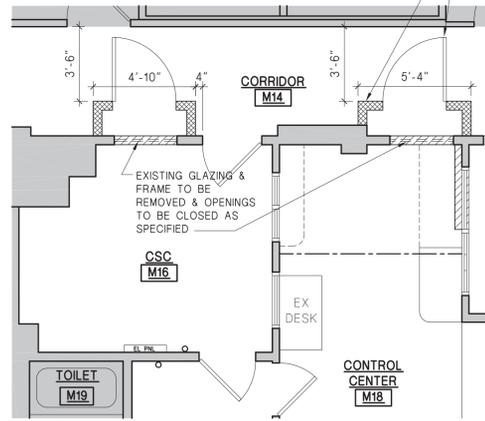
- A. Immediately remove misapplied sealant and droppings from metal surfaces with solvents and wiping cloths. On other materials, remove misapplied sealant and droppings by methods and materials recommended in writing by the manufacturer of the sealant material.
- B. After sealants are applied and before skin begins to form on sealant, remove all masking and other protection and clean up remaining defacement caused by the Work.

**END OF SECTION**



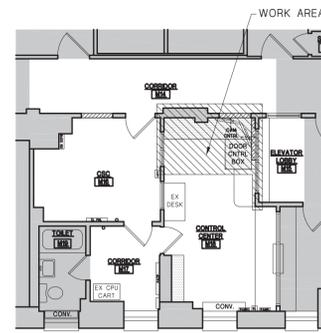
NOTE:  
1. ALL FINISHES ARE TO BE INSTALLED DURING PHASE WITHIN SPECIFIED WORK AREA.

KEY PLAN  
SCALE: 1/8"=1'-0"



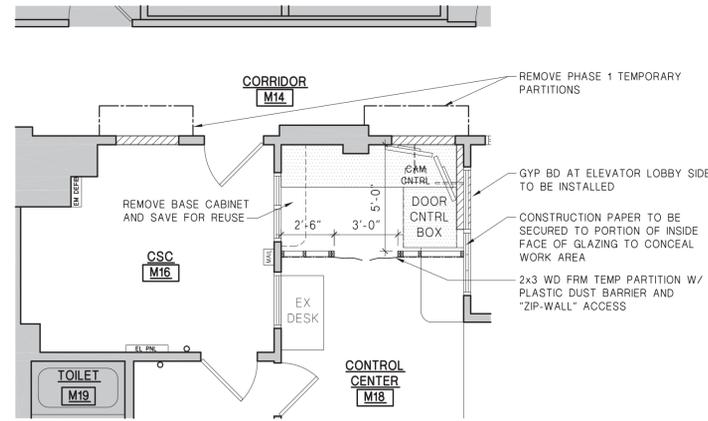
PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 1  
CSU PHASING



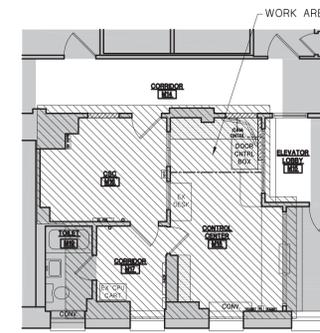
NOTE:  
1. ALL WORK WITHIN CONTROL CENTER (M18) AND ELEVATOR LOBBY (M15) IS TO BE DURING THE HOURS OF 9PM TO 6AM IN ORDER TO MINIMIZE OPERATION DISRUPTION.  
2. GENERAL CONTRACTOR TO COORDINATE FINAL SPECIFIED WORKING HOURS WITH DIRECTOR'S REPRESENTATIVE PRIOR TO DEMOLITION/CONSTRUCTION COMMENCING.  
3. ALL FINISHES ARE TO BE INSTALLED DURING PHASE WITHIN SPECIFIED WORK AREA.

KEY PLAN  
SCALE: 1/8"=1'-0"



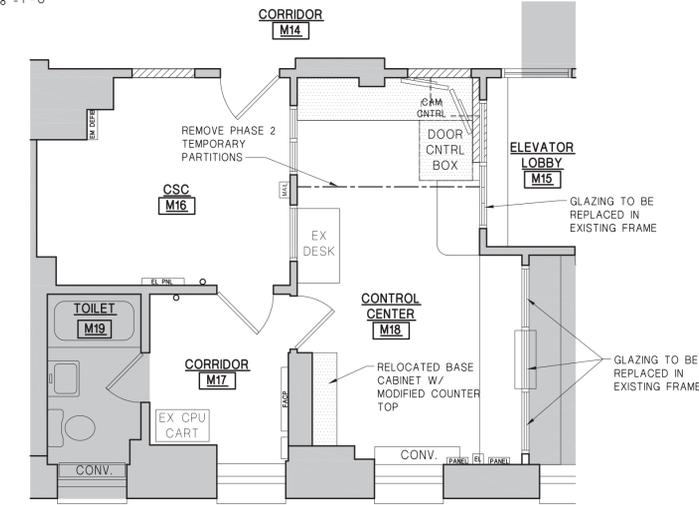
PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 2



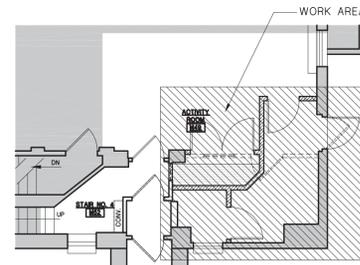
NOTE:  
1. ORDER OF CONSTRUCTION AS FOLLOWS:  
A. GLAZING INSTALLATION FOR MAIN LOBBY & ELEVATOR LOBBY.  
B. ALL CONSTRUCTION AND FINISHES IN CONTROL CENTER (M18) TO BE INSTALLED AND COMPLETED.  
C. REMAINING ROOMS (CSC (M16) AND CORRIDOR (M17) TO BE COMPLETED WITH FINISHES.  
2. ALL WORK WITHIN CONTROL CENTER (M18) AND ELEVATOR LOBBY (M15) IS TO BE DURING THE HOURS OF 9PM TO 6AM IN ORDER TO MINIMIZE OPERATION DISRUPTION.  
3. GENERAL CONTRACTOR TO COORDINATE FINAL SPECIFIED WORKING HOURS WITH DIRECTOR'S REPRESENTATIVE PRIOR TO DEMOLITION/CONSTRUCTION COMMENCING.

KEY PLAN  
SCALE: 1/8"=1'-0"



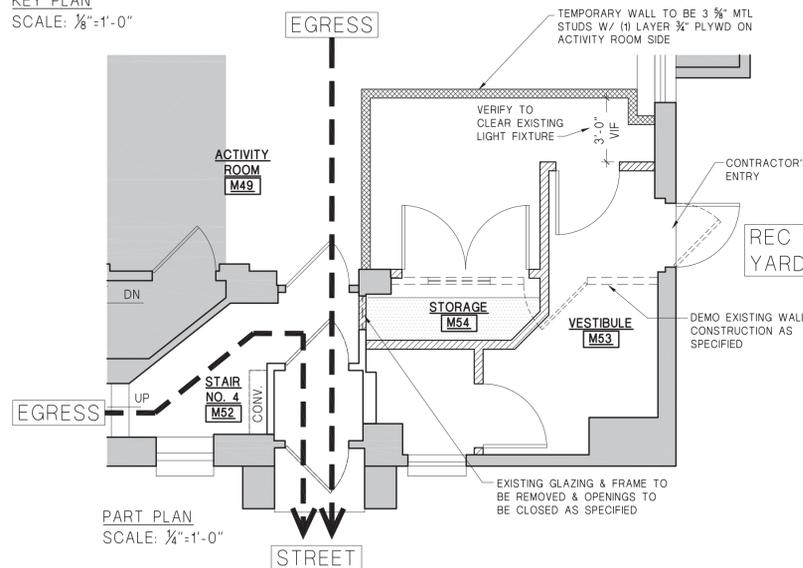
PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 3



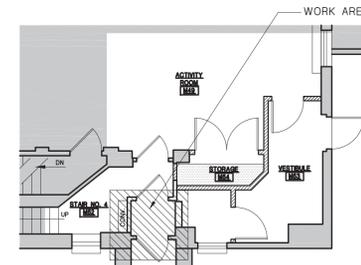
NOTE:  
1. ORDER OF CONSTRUCTION AS FOLLOWS:  
A. INSTALL TEMPORARY WALL.  
B. REMOVE ALL PARTITIONS & CEILING AS SPECIFIED.  
C. CONSTRUCT PARTITIONS & CEILING AS SPECIFIED.  
D. REMOVE EXISTING EXTERIOR DOOR & FRAME AND INSTALL SPECIFIED STL DOOR & STL FRAME.  
E. ALL FINISHES TO BE INSTALLED AND COMPLETED WITHIN WORK AREA.  
2. ALL WORK TO BE DONE DURING REGULAR WORKING HOURS. GENERAL CONTRACTOR TO COORDINATE WITH DIRECTOR'S REPRESENTATIVE PRIOR TO DEMOLITION/CONSTRUCTION COMMENCING.

KEY PLAN  
SCALE: 1/8"=1'-0"



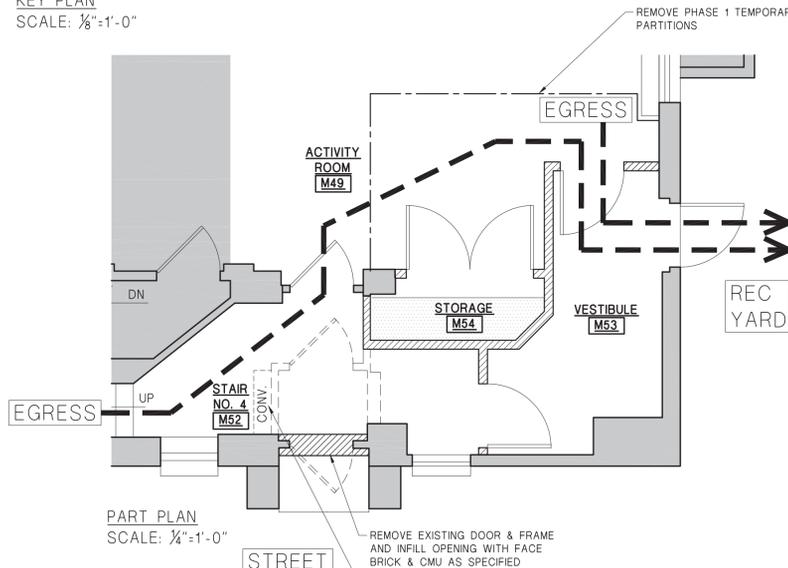
PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 1  
EGRESS PHASING



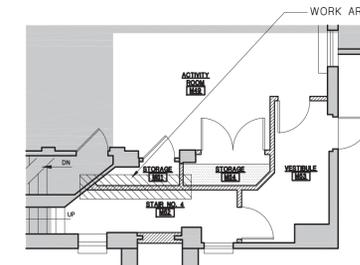
NOTE:  
1. ORDER OF CONSTRUCTION AS FOLLOWS:  
A. REMOVE TEMPORARY PARTITION.  
B. KEEPING EXISTING VESTIBULE DOOR LOCKED AT ALL TIMES. EXTERIOR DOOR & FRAME TO BE REMOVED AND INFILL OPENING WITH FACE BRICK & CMU AS SPECIFIED.  
C. REMOVE EXISTING CONVECTOR & PIPING IN ITS ENTIRETY.  
D. REMOVE VESTIBULE IN ITS ENTIRETY. FLOOR, CEILING & WALLS TO BE PATCHED TO MATCH EXISTING CONSTRUCTION AND MADE READY TO RECEIVE SPECIFIED FINISHES.  
E. ALL FINISHES ARE TO BE INSTALLED AND COMPLETED WITHIN WORK AREA.  
2. ALL WORK TO BE DONE DURING REGULAR WORKING HOURS. GENERAL CONTRACTOR TO COORDINATE WITH DIRECTOR'S REPRESENTATIVE PRIOR TO DEMOLITION/CONSTRUCTION COMMENCING.

KEY PLAN  
SCALE: 1/8"=1'-0"



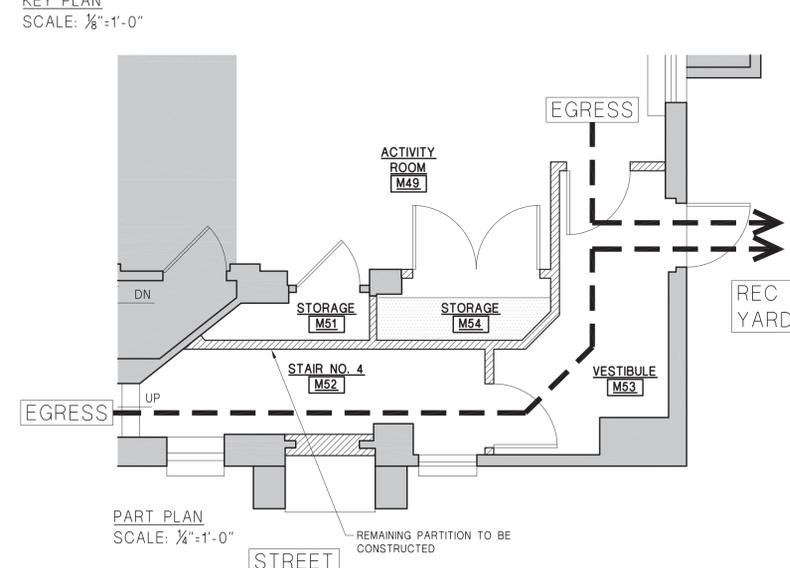
PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 2



NOTE:  
1. ORDER OF CONSTRUCTION AS FOLLOWS:  
A. INSTALL REMAINING PARTITION & CEILING.  
B. REPLACE DOOR HARDWARE FOR STORAGE ROOM (M51) DOOR AS SPECIFIED.  
C. TOUCH-UP ALL FINISHES AND PAINT IN ENTIRE CONSTRUCTED AREA FOR ALL PHASES DUE TO REMOVAL OF TEMPORARY WALL, ETC.  
2. ALL WORK TO BE DONE DURING REGULAR WORKING HOURS. GENERAL CONTRACTOR TO COORDINATE WITH DIRECTOR'S REPRESENTATIVE PRIOR TO DEMOLITION/CONSTRUCTION COMMENCING.

KEY PLAN  
SCALE: 1/8"=1'-0"



PART PLAN  
SCALE: 1/4"=1'-0"

PHASE 3

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.



CONTRACT: ELECTRICAL

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
2	2013/06/20	ADDENDUM 2
1	2013/05/22	BID DOCUMENTS

PROJECT NUMBER: 43961-E

DESIGNED BY: CK  
DRAWN BY: BL  
FIELD CHECK: -  
APPROVED: FC

SHEET TITLE: MAIN FLOOR PHASING PLAN

DRAWING NUMBER: PH-001

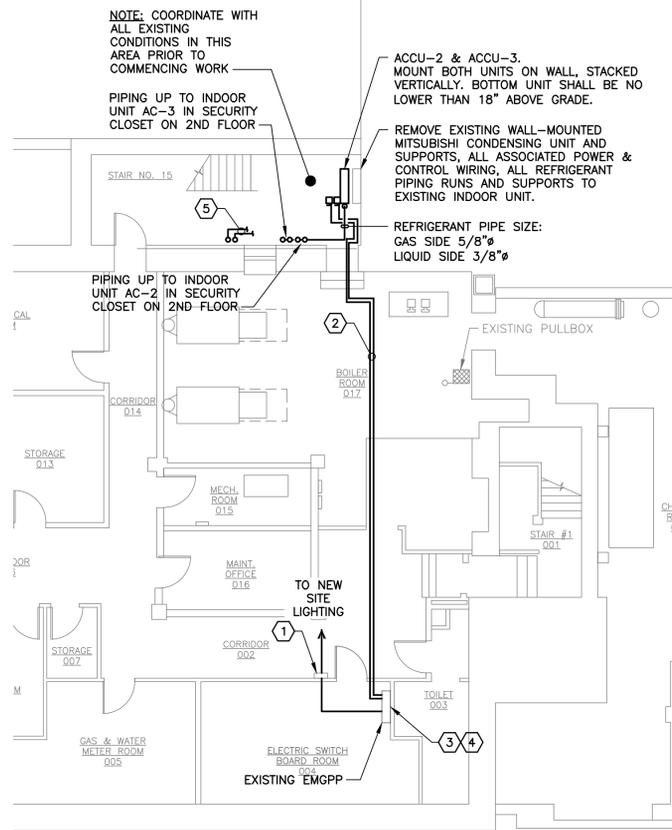
SHEET 1 OF 1

**PROJECT KEY NOTES:**

- 1 NO CHANGE FROM E-100
- 2 PROVIDE (2)#8, (1)#10G IN EACH 3/4"C FOR POWER TO CONDENSING UNIT. FIELD CONFIRM CONDUIT ROUTING.
- 3 USE EXISTING 40A SPARE BREAKER FOR FEED TO OUTDOOR UNIT (SEE SCHEDULE)
- 4 PROVIDE NEW CB IN PANEL (SEE SCHEDULE)
- 5 PROVIDE POWER/CONTROL/SIGNAL WIRING AND 3/4" CONDUIT AS REQUIRED UP TO AC-2 AND AC-3

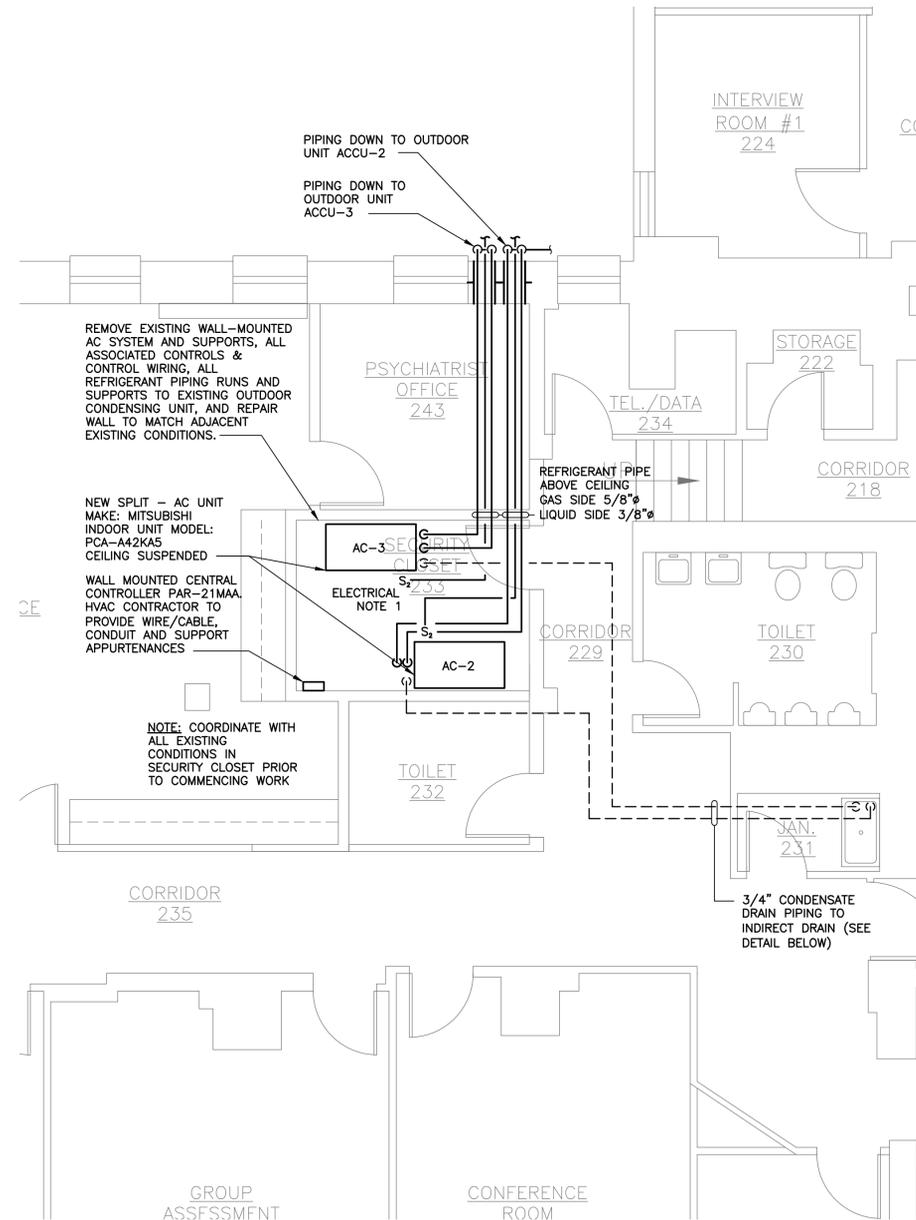
**ELECTRICAL NOTES:**

1. AC UNITS AC-2 AND AC-3 ARE SUPPLIED THROUGH THEIR RESPECTIVE OUTDOOR UNITS. PROVIDE A TWO POLE SWITCH AS A DISCONNECT AND ALL NECESSARY INTERCONNECTING CABLE AND CONDUIT TO INCLUDE THE CENTRAL CONTROLLER. PROVIDE NECESSARY BRANCH CIRCUITRY FROM PANEL SP1 TO THE CENTRAL CONTROLLER.



**BASEMENT FLOOR PLAN:**

SCALE: 1/8" = 1'-0"



**SECOND FLOOR PART PLAN**

SCALE: 1/4" = 1'-0"

**AIR CONDITIONING SYSTEM SCHEDULE**

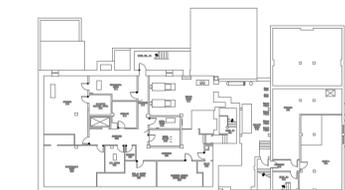
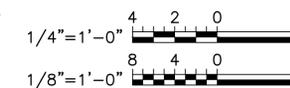
SYSTEM NO.	LOCATION	SERVICE	NOMINAL TONS	COOLING CAPACITY BTUH	AMBIENT AIR TEMP. °F	No. OF COMP.	WEIGHT (LB)	SEER @ ARI	ELECTRICAL DATA			MANUFACTURER: MODEL NO.	REMARKS
									MCA	MOC	VOLTS/Ph/Hz		
ACCU-2	OUTDOOR	AC-2	-	42,000	95	2	258	15.8	26	40	208/1/60	MITSUBISHI PUY-A42NHA4	OR APPROVED EQUAL. SEE NOTES.
ACCU-3	OUTDOOR	AC-3	-	42,000	95	2	258	15.8	26	40	208/1/60	MITSUBISHI PUY-A42NHA4	OR APPROVED EQUAL. SEE NOTES.

SYSTEM NO.	LOCATION	SERVICE	UNIT CONFIGURATION	DX COOL'G COIL TOTAL CAP. MBH	SENS. CAP. MBH	FAN VOL. FLOW CFM	EXT. SP IN WG	AIR SIDE				ELECTRICAL DATA			MANUFACTURER: MODEL NO.	REMARKS	
								EAT	LAT	DB °F	WB °F	DB °F	WB °F	VOLTS/PH/Hz			MCA
AC-2	INDOOR 2ND FL.	SECURITY CLOSET 233	FAN COIL	42		885		80	67	55	54	208/1/60	2	-	84 LB	MITSUBISHI PCA-A42KA4	OR APPROVED EQUAL. SEE NOTES.
AC-3	INDOOR 2ND FL.	SECURITY CLOSET 233	FAN COIL	42		885		80	67	55	54	208/1/60	2	-	84 LB	MITSUBISHI PCA-A42KA4	OR APPROVED EQUAL. SEE NOTES.

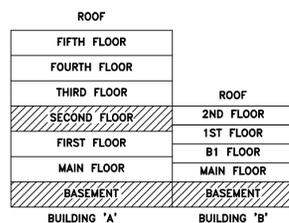
**NOTES:**

1. FOLLOW MANUFACTURER'S INSTALLATION MANUAL.
2. PROVIDE WALL MOUNTED PROGRAMMABLE CONTROLLER, MODEL PAR21MAA
3. PROVIDE SQUARE D DISCONNECT SWITCH.
4. PROVIDE 1/2" THREADED RODS & RUBBER IN SHEAR VIBRATION ISOLATORS.
5. EXPOSED WIRING & REFRIG PIPING TO BE RUN IN SLIM-DUCT ENCLOSURE.
6. PROVIDE INDOOR UNITS WITH FACTORY CONDENSATE PUMP OPTION.
7. PROVIDE OUTDOOR UNITS WITH LOW AMBIENT WIND BAFFLE OPTION AND WALL BRACKETS.
7. SYSTEMS SHALL BE CONFIGURED SO THAT PROGRAMMABLE CONTROLLER ONLY ALLOWS ONE SYSTEM TO OPERATE AT A TIME. SYSTEMS ABOVE SHALL NOT OPERATE SIMULTANEOUSLY, BUT IN A OPERATING/STANDBY SCHEME. CONTROLLER SHALL ENERGIZE STANDBY SYSTEM IN THE EVENT OF AN OPERATING SYSTEM FAILURE.
8. PROVIDE M-NET ADAPTERS AS REQUIRED.



**KEY PLAN**

SCALE : N.T.S.



PANELBOARD SP1(EXISTING)										LOCATION: SECURITY EQUIPMENT CLOSET					
CHARACTERISTICS: MAIN PROTECTIVE DEVICE: 100 MAIN BUS SIZE: 125A										VOLTS: 120/208		PHASE: 3Ø, 4W CYCLES: 60		NEUTRAL: 100% DOOR/LOCK REQ'D: YES MOUNTING: SURFACE NO. OF POLES: 36	
CKT NO.	DESIGNATION	WIRE SIZE	CKT. BKR	LOAD (KVA)			CKT. BKR	WIRE SIZE	DESIGNATION	CKT. NO.					
				A	B	C									
1*	UPS RACK #2	10	30	3.0	1.9		20	12	EXIST. UPS - EQUIPMENT RACK	2					
3*	UPS RACK #3	10	30	3.0	1.9		20	12	EXIST. UPS - EQUIPMENT RACK	4					
5*	UPS RACK #3	10	30	3.0	1.9		20	12	EXIST. UPS - EQUIPMENT RACK	6					
7*	UPS RACK #4	10	30	3.0	1.9		20	12	EXIST. UPS - EQUIPMENT RACK	8					
9*	UPS RACK #4	10	30	3.0	1.5		20	-	SPARE	10					
11	SPARE	-	30	-	-	-	20	-	SPARE	12					
13	SPARE	-	30	-	-	-	20	-	SPARE	14					
15	SPARE	-	30	-	-	-	20	-	SPARE	16					
17	SPARE	-	20	-	-	-	20	-	SPARE	18					
19	SPARE	-	40	-	-	-	20	-	SPARE	20					
21	SPARE	-	40	-	-	-	20	-	SPARE	22					
23	SPARE	-	40	-	-	-	20	-	SPARE	24					
25	SPACE	-	-	-	-	-	20	-	SPACE	26					
27	SPACE	-	-	-	-	-	20	-	SPACE	28					
29	SPACE	-	-	-	-	-	20	-	SPACE	30					
31	SPACE	-	-	-	-	-	20	-	SPACE	32					
33	SPACE	-	-	-	-	-	20	-	SPACE	34					
35	SPACE	-	-	-	-	-	20	-	SPACE	36					
				TOTAL KVA PER PHASE			TOTAL LOAD			30KVA					

REMARKS:  
 \* MAKE CIRCUIT A SPARE  
 \* REPLACE EXISTING CIRCUIT BREAKER WITH 30-1P BREAKER  
 Δ EXISTING SPACES TO REMAIN

PANELBOARD EMGPP (EXISTING)										LOCATION: SECURITY EQUIPMENT CLOSET					
CHARACTERISTICS: MAIN PROTECTIVE DEVICE: 600 MAIN BUS SIZE: 600A										VOLTS: 120/208		PHASE: 3Ø, 4W CYCLES: 60		NEUTRAL: 100% DOOR/LOCK REQ'D: YES MOUNTING: SURFACE NO. OF POLES: 42	
CKT NO.	DESIGNATION	WIRE SIZE	CKT. BKR	LOAD (KVA)			CKT. BKR	WIRE SIZE	DESIGNATION	CKT. NO.					
				A	B	C									
1	ACCU-3	8	40	-	-	-	40	8	ACCU-2	2					
3	ACCU-3	8	40	-	-	-	40	8	ACCU-2	4					
5	SPACE	-	-	-	-	-	-	-	SPACE	6					
7	SPACE	-	-	-	-	-	-	-	SPACE	8					
9	FIRE ALARM (EXIST)	-	30	-	-	-	20	-	OUTSIDE LIGHTING (EXIST)	10					
11	SPACE	-	-	-	-	-	-	-	SPACE	12					
13	SPACE	-	-	-	-	-	-	-	SPACE	14					
15	BOILER (EXIST)	-	XX	-	-	-	XX	-	PANEL EP (EXIST)	16					
17	SPACE	-	-	-	-	-	-	-	SPACE	18					
19	SPACE	-	-	-	-	-	-	-	SPACE	20					
21	PANEL EM2 (EXIST)	-	60	-	-	-	60	-	PANEL EM (EXIST)	22					
23	SPACE	-	-	-	-	-	-	-	SPACE	24					
25	SPACE	-	-	-	-	-	-	-	SPACE	26					
27	PANEL EM3 (EXIST)	-	30	-	-	-	60	-	SPACE	28					
29	SPACE	-	-	-	-	-	-	-	SPACE	30					
31	SPACE	-	-	-	-	-	-	-	SPACE	32					
33	ELEVATOR (EXIST)	-	100	-	-	-	100	-	PANEL SP1	34					
35	SPACE	-	-	-	-	-	-	-	SPACE	36					
37	SPACE	-	-	-	-	-	-	-	SPACE	38					
39	PANEL EMGPP (EXIST)	-	XX	-	-	-	100	-	PANEL PGS-1 (EXIST)	40					
41	SPACE	-	-	-	-	-	-	-	SPACE	42					
				TOTAL KVA PER PHASE			TOTAL LOAD			25KVA					

REMARKS:  
 \* USE EXISTING SPARE FOR FEED TO NEW ACCU-3 (1 POLE NOT CONNECTED)  
 \* REPLACE EXISTING CB AS NOTED  
 Δ PROVIDE NEW 100A CB IN EXISTING SPACE. MAKE EXISTING FEEDER BREAKER TO SP1 A SPARE

PANEL SCHEDULE GENERAL NOTE:  
 1. SEE DRAWING E-300 FOR GENERAL PANEL NOTES AND ASSOCIATED SCOPE OF WORK.

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**CONTRACT:**  
 TITLE: PROVIDE CCTV SECURITY SYSTEM  
 LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
 CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

2	2013/06/20	ADDENDUM #2
1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-	
DESIGNED BY:	CE1506D-03 ELLA MCQUEEN	
DRAWN BY:	----	
FIELD CHECK:	----	
APPROVED:	----	
SHEET TITLE:	MECHANICAL AND ELECTRICAL PARTIAL PLAN	
DRAWING NUMBER:	SK-ME101	
SHEET	OF	

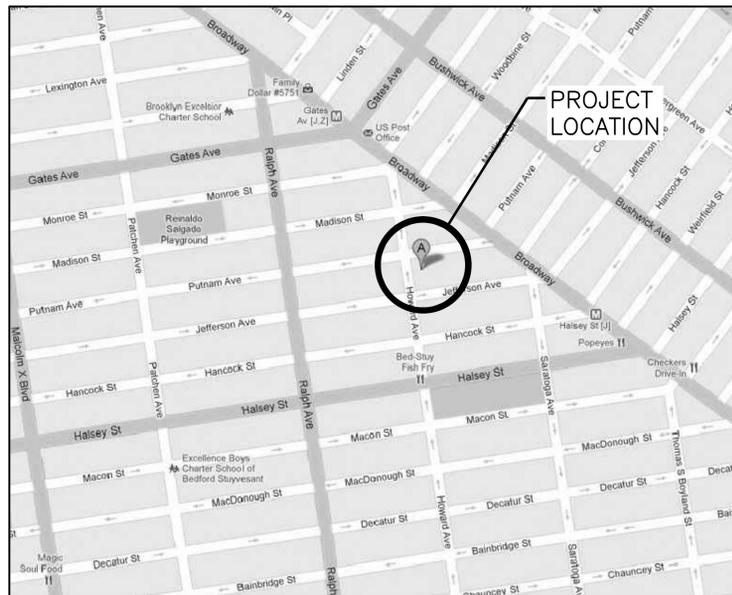
# PROVIDE CCTV SECURITY SYSTEM

## ELLA McQUEEN RESIDENTIAL CENTER

### 41 HOWARD AVENUE, BROOKLYN, NY 11221

#### O.G.S. PROJECT No. 43961-E

#### O.C.F.S. PROJECT No. 2200



**KEY PLAN**

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A-102	MAIN FLOOR CEILING DEMOLITION PLAN	M-101	MECHANICAL SECOND FLOOR PLAN	E-002	SECURITY SITE PLAN
A-103	MAIN FLOOR CONSTRUCTION PLAN	M-200	MECHANICAL DETAILS AND SCHEDULES	E-100	ELECTRICAL BASEMENT FLOOR PLAN
A-104	MAIN FLOOR REFLECTED CEILING PLAN			E-101	ELECTRICAL MAIN FLOOR SECURITY PLAN
A-105	MAIN FLOOR POWER/DATA PLAN			E-101A	ELECTRICAL MAIN FLOOR CSU PLAN
A-106	MAIN FLOOR FINISH PLAN			E-102	ELECTRICAL FIRST FLOOR SECURITY PLAN
A-201	MAIN FLOOR ELEVATIONS			E-103	ELECTRICAL SECOND FLOOR SECURITY PLAN
A-501	WALL PARTITION TYPE & DETAILS			E-104	ELECTRICAL THIRD FLOOR SECURITY PLAN
A-601	DOOR SCHEDULE & LOCATIONS			E-105	ELECTRICAL FOURTH FLOOR SECURITY PLAN
				E-106	ELECTRICAL FIFTH FLOOR SECURITY PLAN
				E-107	ELECTRICAL MAIN FLOOR LIGHTING PLAN AND SCHEDULES
				E-200	ELECTRICAL SECURITY DETAILS
				E-201	ELECTRICAL SITE FENCE DETAILS
				E-202	ELECTRICAL DETAILS
				E-203	DOOR CONTROL AND SCHEDULE
				E-300	SECURITY EQUIPMENT ROOM
				E-301	SECURITY ONE-LINE DIAGRAM
				E-400	ELECTRICAL SCHEDULES
				E-401	ELECTRICAL SCHEDULES
				FA-101	FIRE ALARM MAIN FLOOR PLAN



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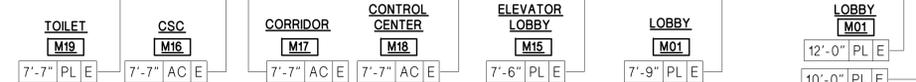
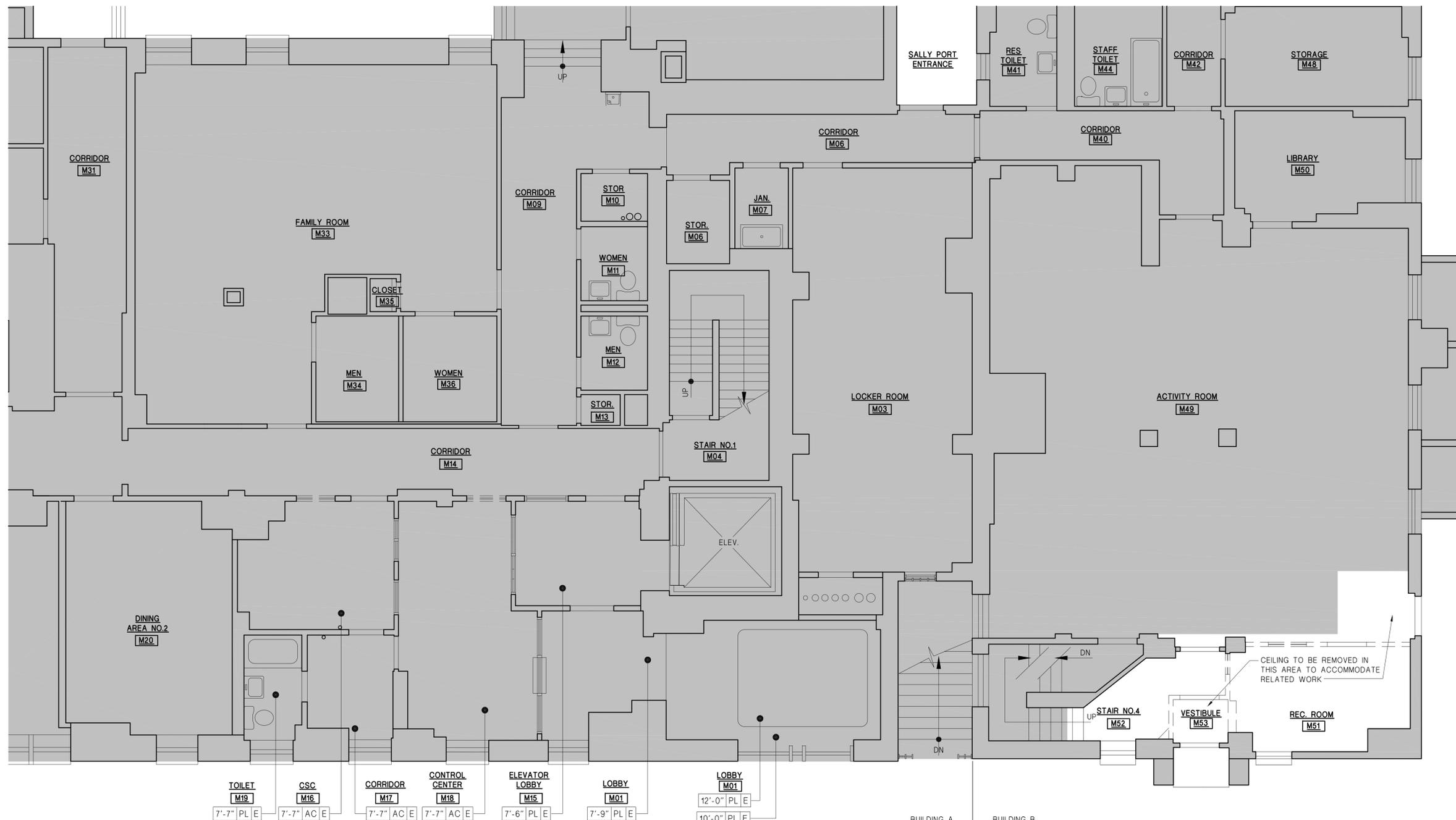


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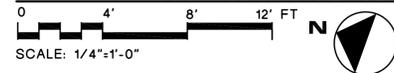
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**G-001**



**PART MAIN FLOOR CEILING DEMOLITION PLAN**



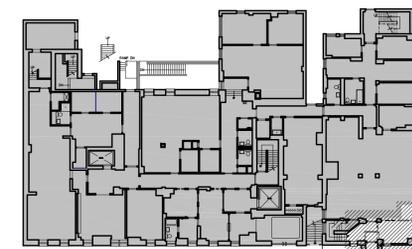
SCALE: 1/4"=1'-0"

**CEILING DEMOLITION NOTES:**

- EXISTING CEILING GRID AND ACCOUSTICAL CEILING TILES TO REMAIN.
- COORDINATE WITH ELECTRICAL AND MECHANICAL CONTRACTOR FOR REMOVAL.

**LEGEND**

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- D TO BE DEMOLISHED
- E EXISTING TO REMAIN
- PL PLASTER
- AC HUNG ACOUSTICAL CEILING



**KEY PLAN**

SCALE : N.T.S.

FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	SECOND FLOOR
FIRST FLOOR	FIRST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	MAIN FLOOR
	BASEMENT

**KEY SECTION**

SCALE : N.T.S.

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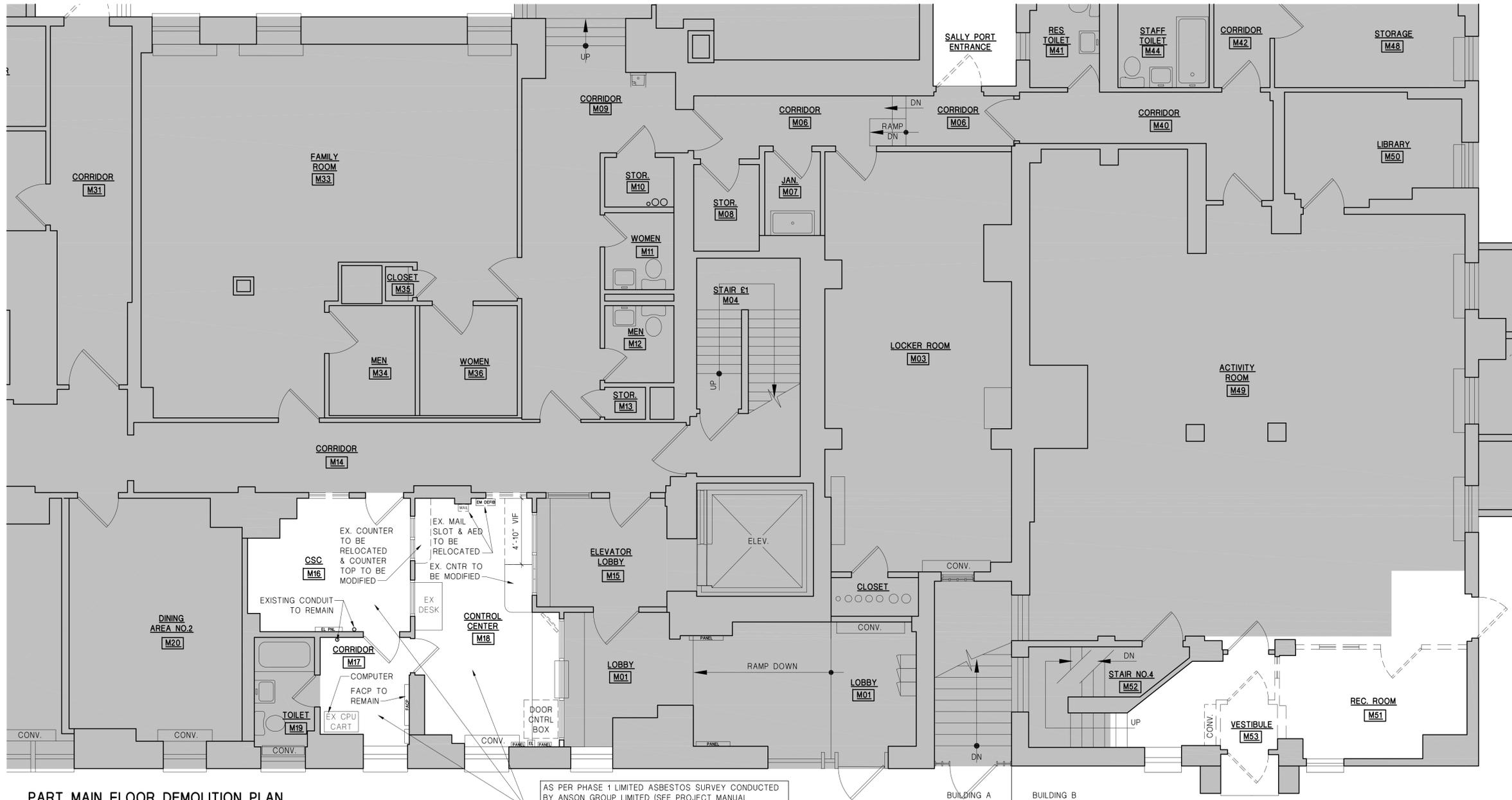
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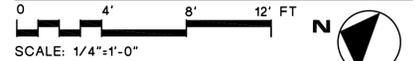
CONTRACT: **ELECTRICAL**  
 TITLE: PROVIDE CCTV SECURITY SYSTEM  
 LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
 CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>MAIN FLOOR CEILING DEMOLITION PLAN</b>	
DRAWING NUMBER:	<b>A-102</b>	



**PART MAIN FLOOR DEMOLITION PLAN**



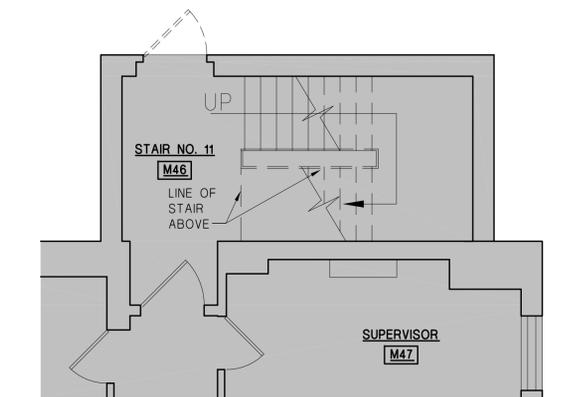
AS PER PHASE 1 LIMITED ASBESTOS SURVEY CONDUCTED BY ANSON GROUP LIMITED (SEE PROJECT MANUAL APPENDIX FOR FULL REPORT), THE BLACK FLOOR TILE IN THIS AREA HAS BEEN DETERMINED TO CONTAIN ASBESTOS (8.8% CHRYSOTILE).

**FLOOR DEMOLITION NOTES:**

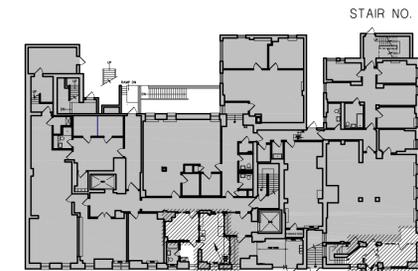
- DIRECTOR'S REPRESENTATIVE HAS FULL SALVAGE RIGHTS FOR ALL FIXTURES, (ELEC., MECH., ETC.) ACCESSORIES, CASEWORK, MILLWORK, REMOVED FROM CONSTRUCTION SITE, CONTRACTOR SHALL NOTIFY DIRECTOR'S REPRESENTATIVE ON DISPOSAL OF OTHERWISE REUSABLE ITEMS.
- PRIOR TO REMOVAL OF UTILITIES THAT WILL AFFECT OTHER OCCUPANTS, INFORM OTHER TENANTS AND DIRECTOR'S REPRESENTATIVE AT LEAST 48 HOURS BEFORE DEMOLITION.
- WORK PERSONNEL ARE LIMITED TO AREA OF WORK ONLY
- PATCH WALLS AND FLOOR WHERE EXISTING WALLS WERE REMOVED. PATCH LEVEL AND SMOOTH, PREPARE FOR SCHEDULED FINISHES.
- REMOVE ALL EXISTING VINYL TILE FLOOR FINISH UNLESS OTHERWISE NOTED.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK. EXTENT OF DEMOLITION SHALL NOT BE LIMITED TO THIS DRAWING.
- WALL DEMOLITION IS REMOVAL OF NON-LOAD BEARING WALLS. SHOULD A LOAD BEARING WALL BE UNCOVERED DURING THE COURSE OF WORK, CONTRACTOR SHALL STOP WORK, UNTIL DIRECTOR'S REPRESENTATIVE HAS REVIEWED CONDITION AND DIRECTION TO PROCEED IS GIVEN.

**LEGEND**

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- EXISTING DOORS TO REMAIN
- EXISTING DOORS TO BE REMOVED
- EXISTING CONVECTOR TO REMAIN
- EXISTING CONVECTOR TO BE REMOVED



**PART MAIN FLOOR DEMOLITION PLAN @ STAIR NO. 11**  
SCALE: 1/4" = 1'-0"



**KEY PLAN**  
SCALE: N.T.S.

FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	SECOND FLOOR
FIRST FLOOR	FIRST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	BASEMENT

**KEY SECTION**  
SCALE: N.T.S.

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**ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS

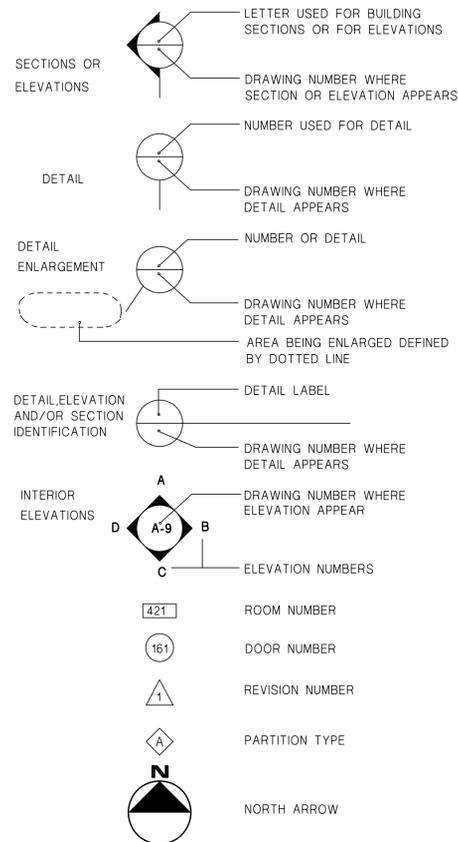
PROJECT NUMBER: 43961-E  
DESIGNED BY: CK  
DRAWN BY: BL  
FIELD CHECK: -  
APPROVED: FC  
SHEET TITLE: **MAIN FLOOR DEMOLITION PLAN**

DRAWING NUMBER: **A-101**

**ABBREVIATIONS**

A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BLDG.	BUILDING
BLK'G	BLOCKING
B.O.	BOTTOM OF
CAM	CAMERA
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTRL	CONTROL
CONV.	CONVECTOR
CPU	COMPUTER
DIA	DIAMETER
DTL	DETAIL
DWG(S)	DRAWING(S)
DRW	DRAWER
EA	EACH
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EX/EXIST'G	EXISTING
FLR	FLOOR
GA.	GAUGE
GYP. BD.	GYPSON BOARD
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
I.E.	THAT IS / FOR EXAMPLE
LH(R)	LEFT HAND (REVERSE)
MAX	MAXIMUM
MECH.	MECHANICAL
MIN	MINIMUM
MNTD	MOUNTED
MTL	METAL
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
PLYWD	PLYWOOD
PNL	PANEL
REQ'D	REQUIRED
RHIR	RIGHT HAND (REVERSE)
RMN	REMAIN
STL	STEEL
STOR	STORAGE
TBD	TO BE DETERMINED
THK	THICKNESS
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT	VERTICAL
V.I.F.	VERIFY IN FIELD
VP	VISION PANEL
W/	WITH
WD	WOOD

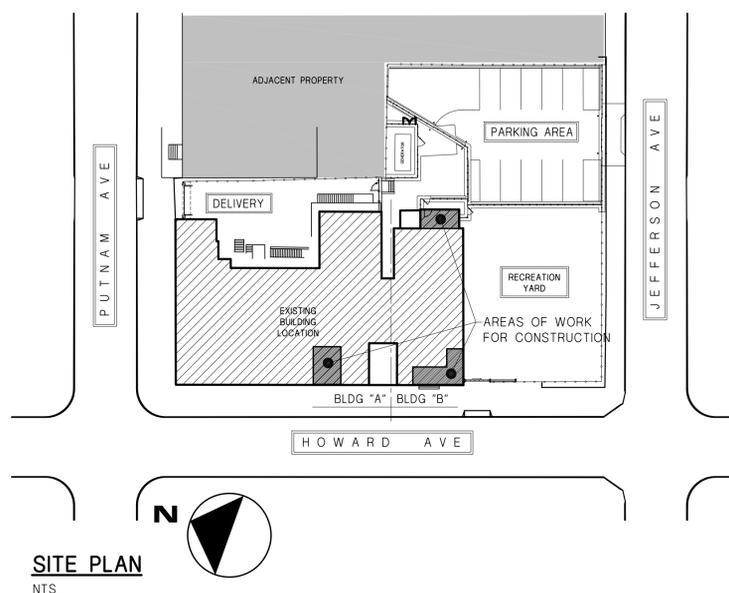
**LIST OF SYMBOLS**



**GENERAL NOTES**

1. ALL EXPOSED FASTENERS TO BE TORQUE, CENTER PIN REJECTION TYPE.
2. REFER TO ASBESTOS REPORT PREPARED BY ANSON GROUP LIMITED FOR ASBESTOS MATERIAL FOUND.

**SITE LOCATION**

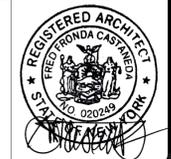


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Commissioner

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200 Madison Avenue, 8th Floor New York, NY 10017  
TEL: (516) 827-4000 FAX: (516) 827-4920 P/E: (212) 324-4000 FX: (646) 216-2000

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307 SEVENTH AVENUE NEW YORK, N.Y. 10001 TEL. NO: 212-695-9222

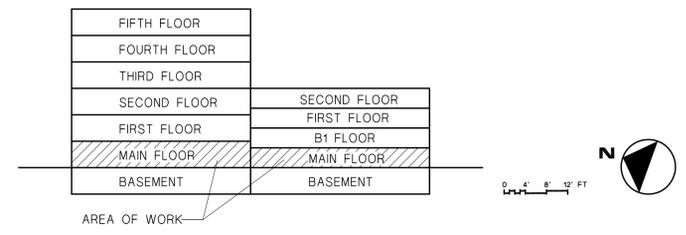
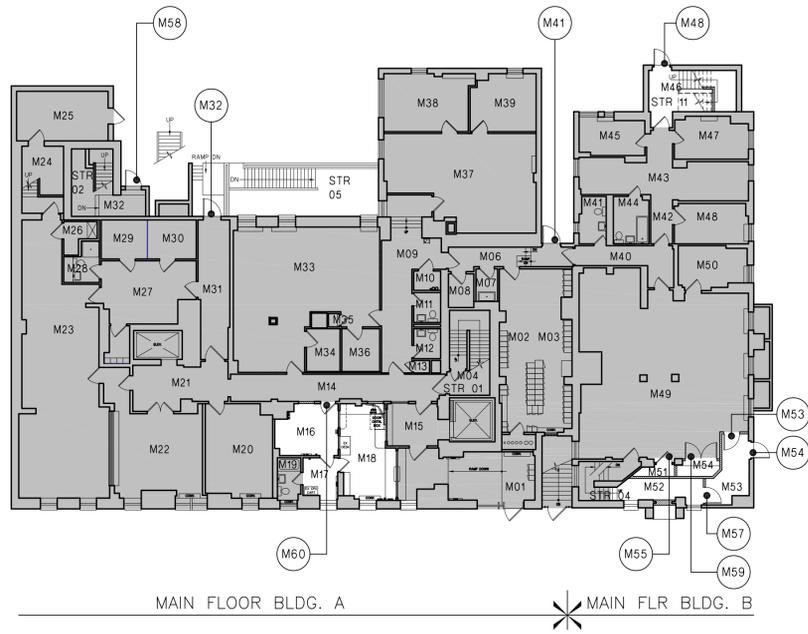
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<b>CONTRACT: ELECTRICAL</b>	
TITLE:	PROVIDE CCTV SECURITY SYSTEM
LOCATION:	ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY
CLIENT:	NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200		
1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>ARCHITECTURAL GENERAL NOTES</b>	
DRAWING NUMBER:	<b>A-001</b>	
SHEET	1	OF 35

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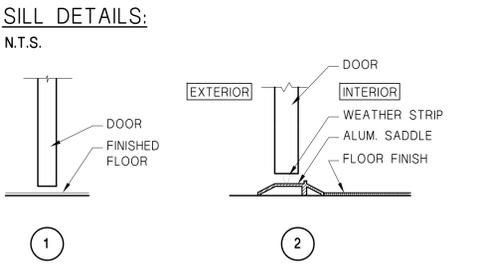
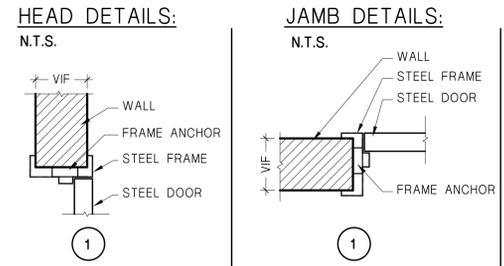
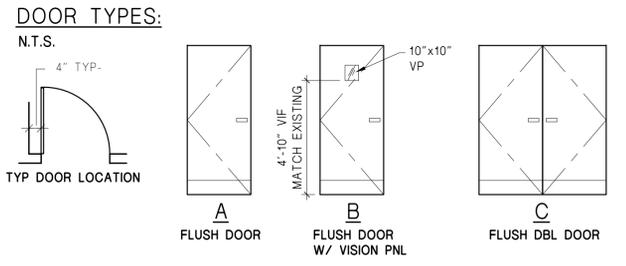


**MAIN FLOOR PLAN**  
 SCALE 1/16" = 1'-0"

**DOOR SCHEDULE**

FLOOR	DOOR NUMBER	DOORS LOCATION					DOOR										REMARKS									
		ROOM NUMBER	ROOM NAME	FROM/TO	ROOM NUMBER	ROOM NAME	SIZE (W X H)	THICK.	TYPE	MATERIAL	LOUVER	FINISH	COLOR	GLASS TYPE	TYPE	MATERIAL		HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FINISH	COLOR	HAND	HARDWARE GROUP	FIRE RATING	
MAIN FLOOR DOORS	M32	-	EXTERIOR	TO	M31	CORRIDOR	MATCH EXIST	1 3/4"	A	STL	-	IAL-3	-	-	A	STL	1	1	2	EAL-3	-	RHR	3	1 1/2 HR	SEE NOTE NO. 4	
	M41	-	EXTERIOR (SALLY PORT)	TO	M06	CORRIDOR	MATCH EXIST	1 3/4"	A	STL	-	IAL-3	-	-	A	STL	1	1	2	EAL-3	-	RHR	3	1 1/2 HR	SEE NOTE NO. 4	
	M48	-	EXTERIOR	TO	M46	STAIR No. 11	MATCH EXIST	1 3/4"	A	STL	-	IAL-3	-	-	A	STL	1	1	2	EAL-3	-	RHR	3	1 1/2 HR	SEE NOTE NO. 4	
	M53	M53	VESTIBULE	TO	M49	ACTIVITY ROOM	3'-0" X 7'-0"	1 3/4"	B	STL	-	IAL-3	-	1	A	STL	1	1	1	IAL-3	-	LHR	2	1 1/2 HR	SEE NOTE NO. 4	
	M54	-	EXTERIOR	TO	M53	VESTIBULE	MATCH EXIST	1 3/4"	A	STL	-	IAL-3	-	-	A	STL	1	1	2	EAL-3	-	LHR	3	1 1/2 HR	SEE NOTE NO. 4	
	M55	M49	ACTIVITY ROOM	TO	M51	STORAGE	EXIST TO RMN	-	-	-	-	IAL-3	-	-	-	-	-	-	-	-	-	-	RHR	1	-	-
	M57	M53	VESTIBULE	TO	M52	STAIR No. 4	3'-0" X 7'-0"	1 3/4"	B	STL	-	IAL-3	-	1	A	STL	1	1	1	IAL-3	-	LHR	2	1 1/2 HR	SEE NOTE NO. 4	
	M58	-	EXTERIOR	TO	M32	CORRIDOR	MATCH EXIST	1 3/4"	A	STL	-	IAL-3	-	-	A	STL	1	1	2	EAL-3	-	RHR	3	1 1/2 HR	SEE NOTE NO. 4	
	M59	M49	ACTIVITY ROOM	TO	M54	STORAGE	(2)3'-0" X 7'-0"	1 3/4"	C	STL	-	IAL-3	-	-	A	STL	1	1	1	IAL-3	-	LHR/RHR	1	-	-	
	M60	M14	CORRIDOR	TO	M16	CSC	EXIST TO RMN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LH	-	-	SEE ELECTRICAL DWGS	

- NOTES:**
- FRAMES SHALL BE 16 GAUGE STEEL ALL WELDED.
  - ALL FRAMES TO BE GROUTED U.O.N.
  - PAINTED LETTERING, NUMBERING OR SIGNAGE SHALL BE PAINT TYPE "LE" AND COORDINATED WITH DIRECTOR'S REPRESENTATIVE, I.E. DOOR DESIGNATION NUMBERS, ETC.
  - STAIRWELL DOORS TO BE 250 DEGREES TEMPERATURE RISE DOOR ASSEMBLY.



CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

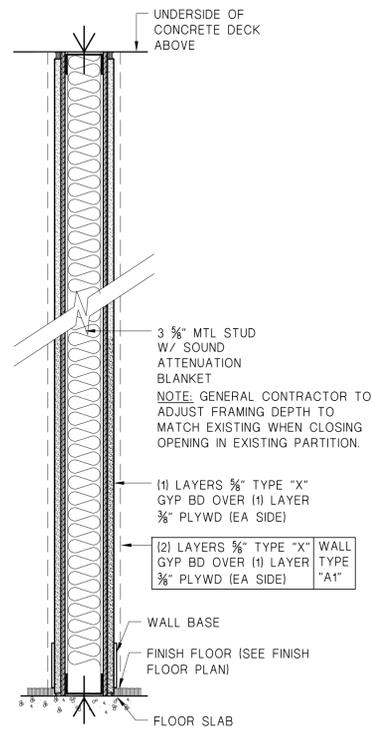
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

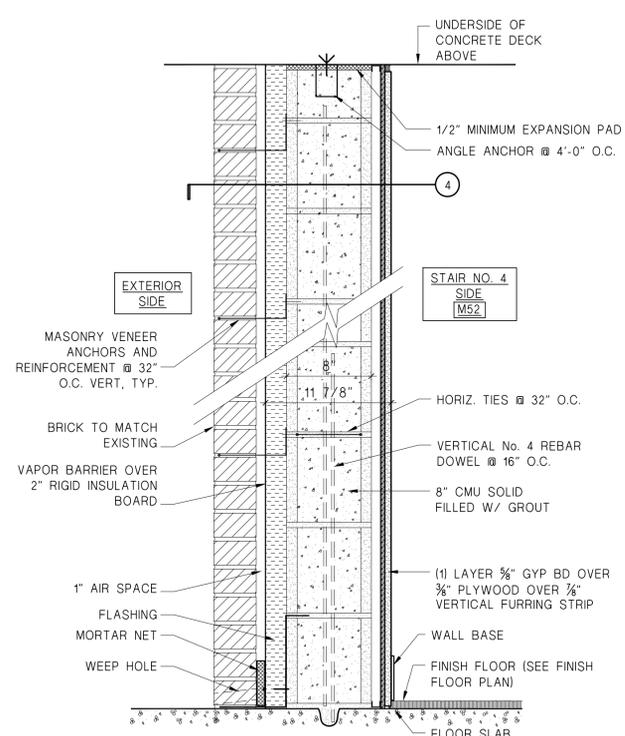
1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>DOOR SCHEDULE + LOCATIONS</b>	
DRAWING NUMBER:	<b>A-601</b>	

SHEET 10 OF 35

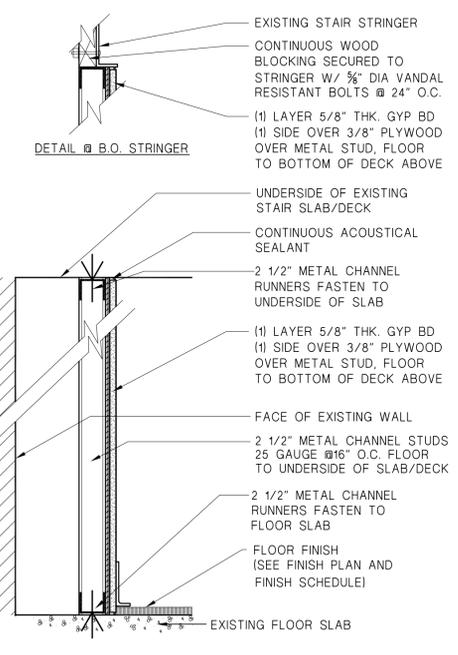


**A PARTITION - FULL HT**  
SCALE: 1 1/2" = 1'-0"

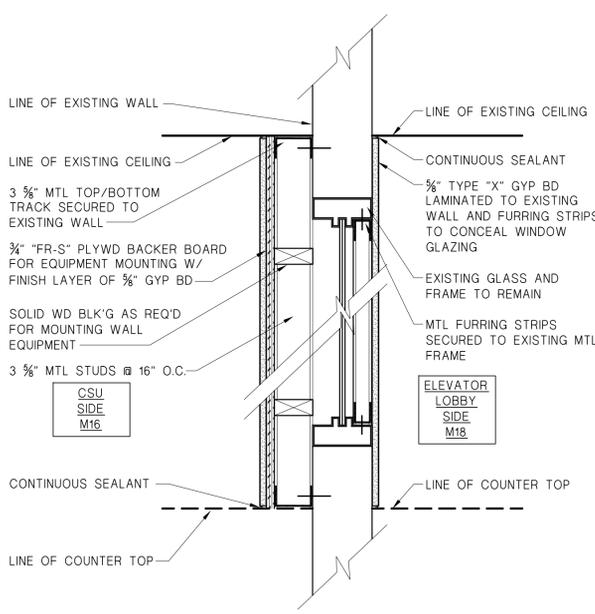
**A1 PARTITION - 2HR FULL HT**  
SCALE: 1 1/2" = 1'-0"  
2 HR FIRE RATED PARTITION  
U.L. DESIGN U419



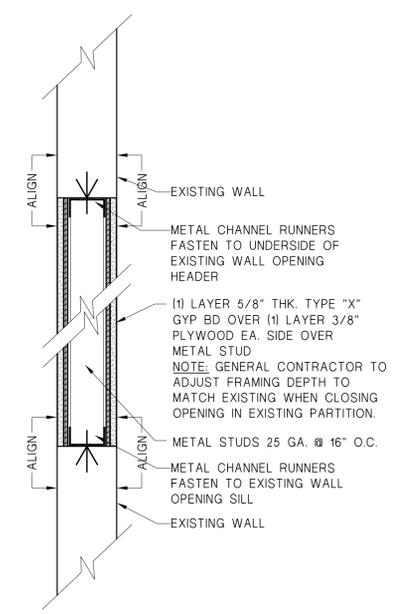
**B BRICK EXTERIOR INFILL W/ 8" CMU**  
SCALE: 1 1/2" = 1'-0"



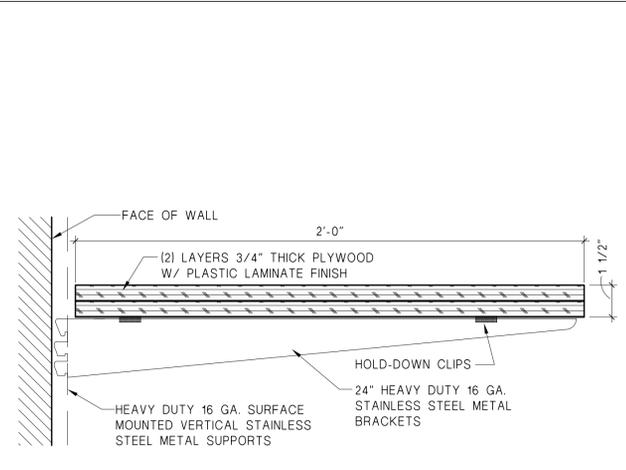
**C PARTITION UNDER STAIR NO.11**  
SCALE: 1 1/2" = 1'-0"



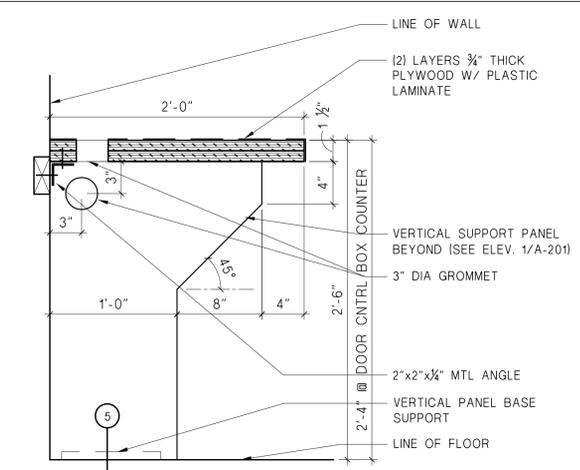
**D 3/4" PLYWD EQUIP. BACKER BOARD**  
SCALE: 1 1/2" = 1'-0"



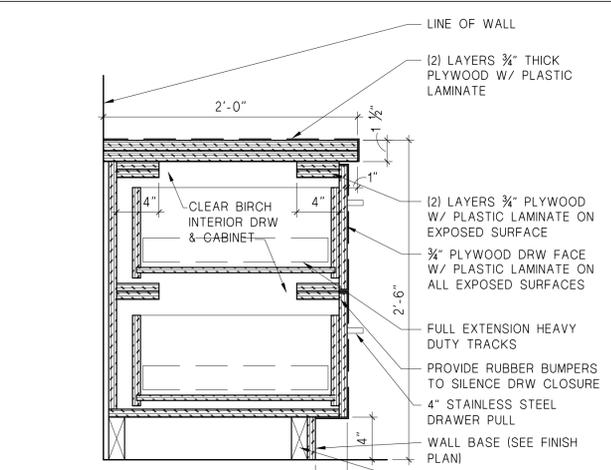
**E PARTITION @ WALL OPENING**  
SCALE: 1 1/2" = 1'-0"



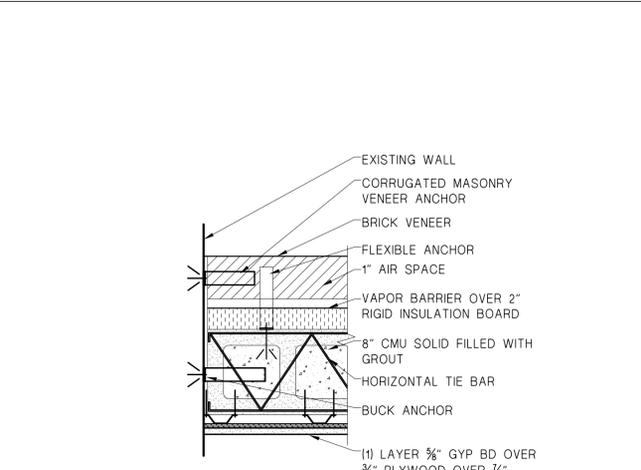
**1 DETAIL TYP. - SHELF**  
SCALE: 3" = 1'-0"



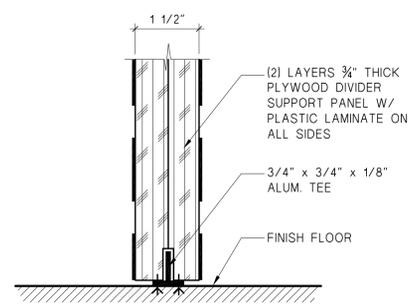
**2 DETAIL @ COUNTER**  
SCALE: 1-1/2" = 1'-0"



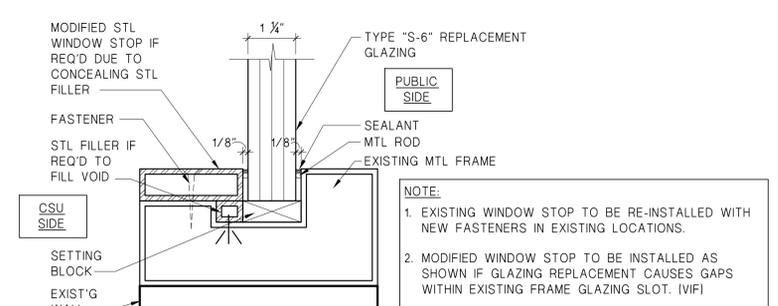
**3 DETAIL @ DRAWERS**  
SCALE: 1-1/2" = 1'-0"



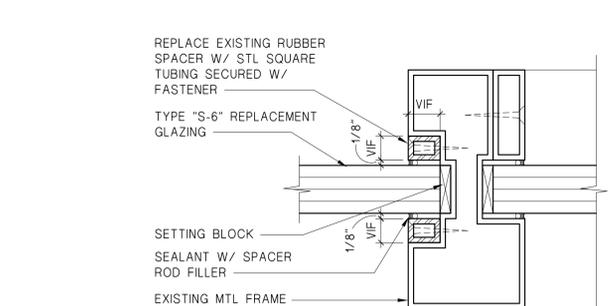
**4 PLAN DETAIL @ EXTERIOR VENEER**  
SCALE: 1-1/2" = 1'-0"



**5 SECTION DETAIL @ COUNTER VERTICAL SUPPORT**  
SCALE: 6" = 1'-0"



**6 DETAIL @ SECURITY GLAZING REPLACEMENT**  
SCALE: 6" = 1'-0"



**7 PLAN DETAIL @ MAIN LOBBY CSU DEAL TRAY**  
SCALE: 6" = 1'-0"

- NOTES:**
- FOR ALL WALL MOUNTED ITEMS, PROVIDE NAILER BLOCKS
  - SEE FINISH PLAN A-106 FOR SPECIFIED FINISHES.
  - ALL DECKING, MATERIALS, FASTENERS, ANCHORS, ETC. ARE TO BE VERIFIED IN THE FIELD.



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ROANN M. DESTITO  
Commissioner

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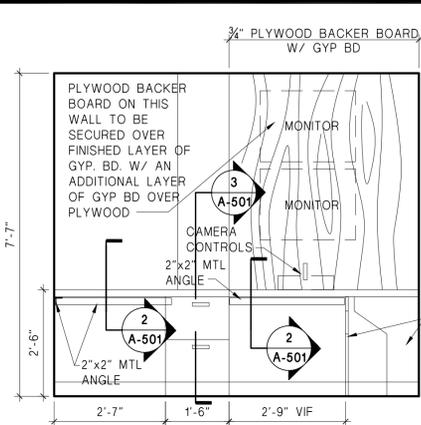
**ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM  
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

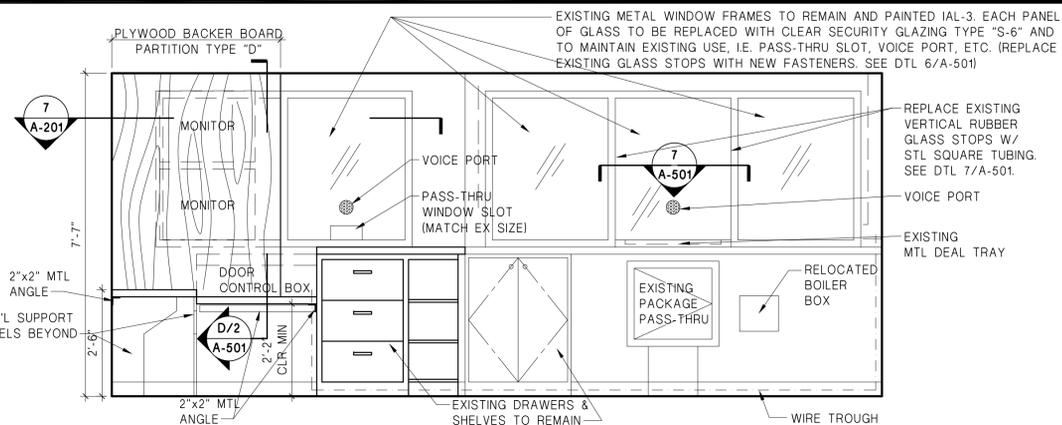
OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>WALL PARTITION TYPE + DTLS</b>	

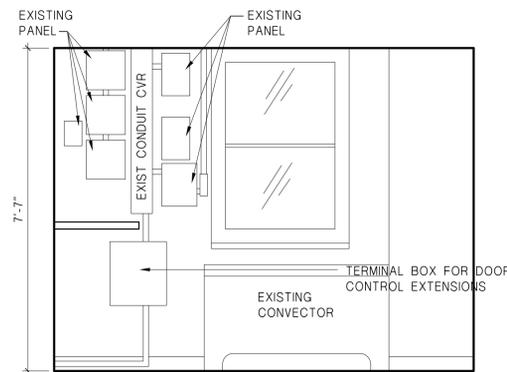
DRAWING NUMBER: **A-501**  
SHEET 9 OF 35



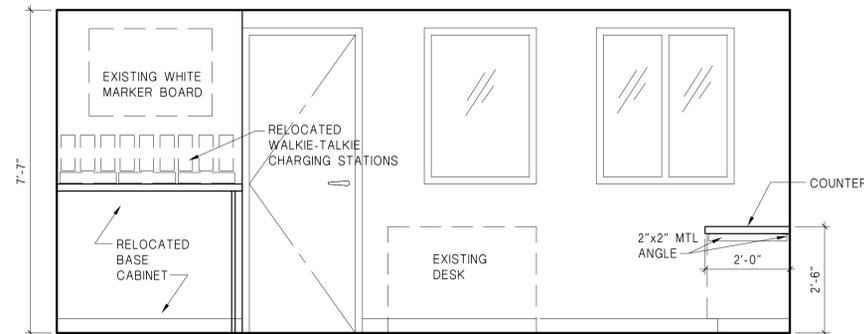
**1 ELEV @ CONTROL CENTER (M18)**  
SCALE: 1/2" = 1'-0"



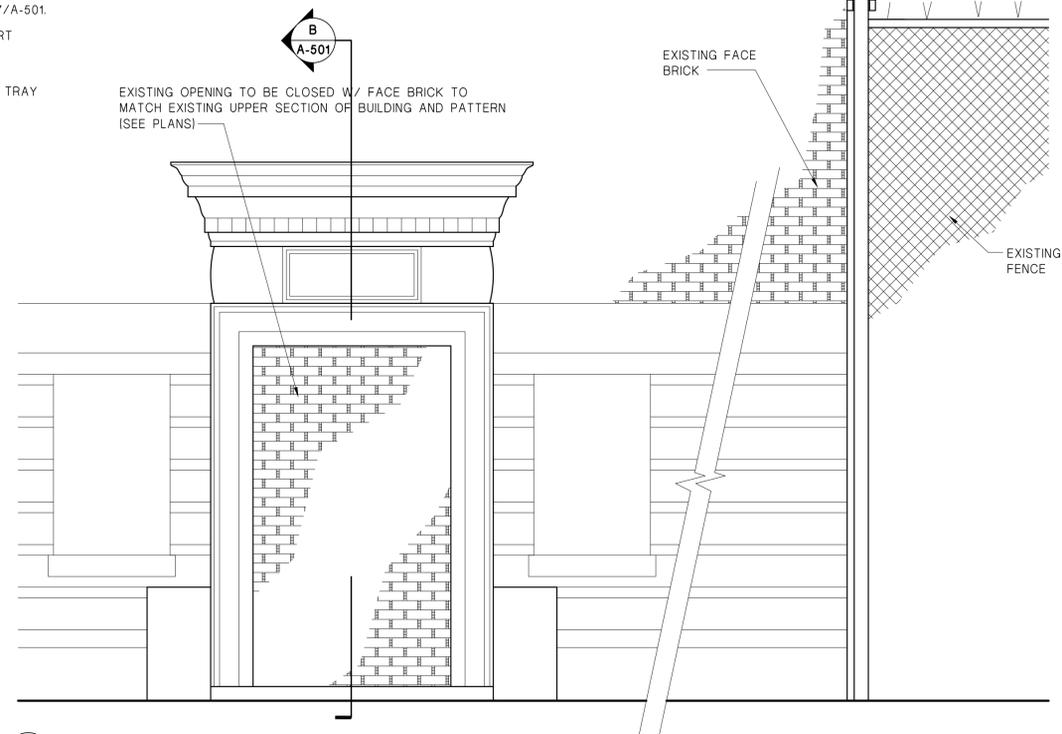
**2 ELEV @ CONTROL CENTER (M18)**  
SCALE: 1/2" = 1'-0"



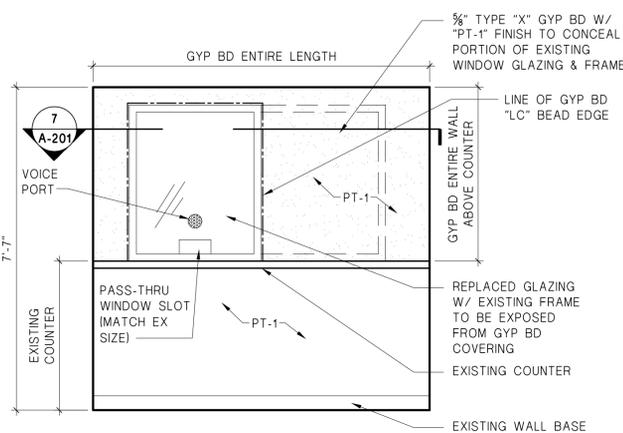
**3 ELEV @ CONTROL CENTER (M18)**  
SCALE: 1/2" = 1'-0"



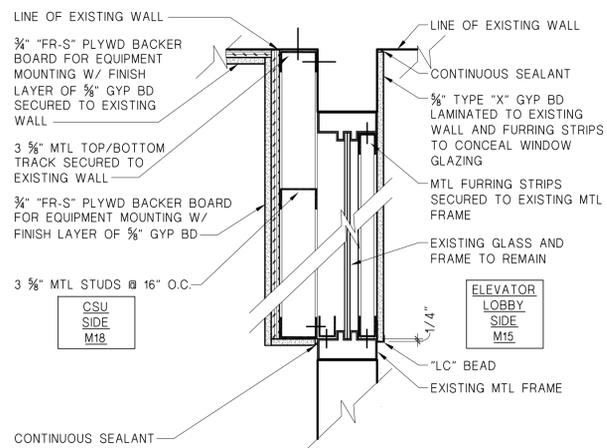
**4 ELEV @ CONTROL CENTER (M18)**  
SCALE: 1/2" = 1'-0"



**5 ELEV @ CLOSED ENTRY (STAIR NO.4 (M52))**  
SCALE: 1/2" = 1'-0"



**6 ELEV @ ELEVATOR LOBBY (M15)**  
SCALE: 1/2" = 1'-0"



**7 PLAN DETAIL @ 3/4" PLYWD BACKER BOARD**  
SCALE: 1-1/2" = 1'-0"

**NOTE:**

1. WALL POWER, DATA & TELEPHONE SHOWN FOR CLARITY, REFER TO ELECTRICAL, SECURITY, DATA & TELEPHONE DRAWINGS FOR BALANCE OF INFORMATION.
2. FOR ALL WALL MOUNTED ITEMS, PROVIDE NAILER BLOCKS APPROPRIATE FOR ITEMS TO BE MOUNTED

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REGISTERED ARCHITECT  
NEW YORK STATE  
CASTANEDA ARCHITECT, P.C.  
020240

CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

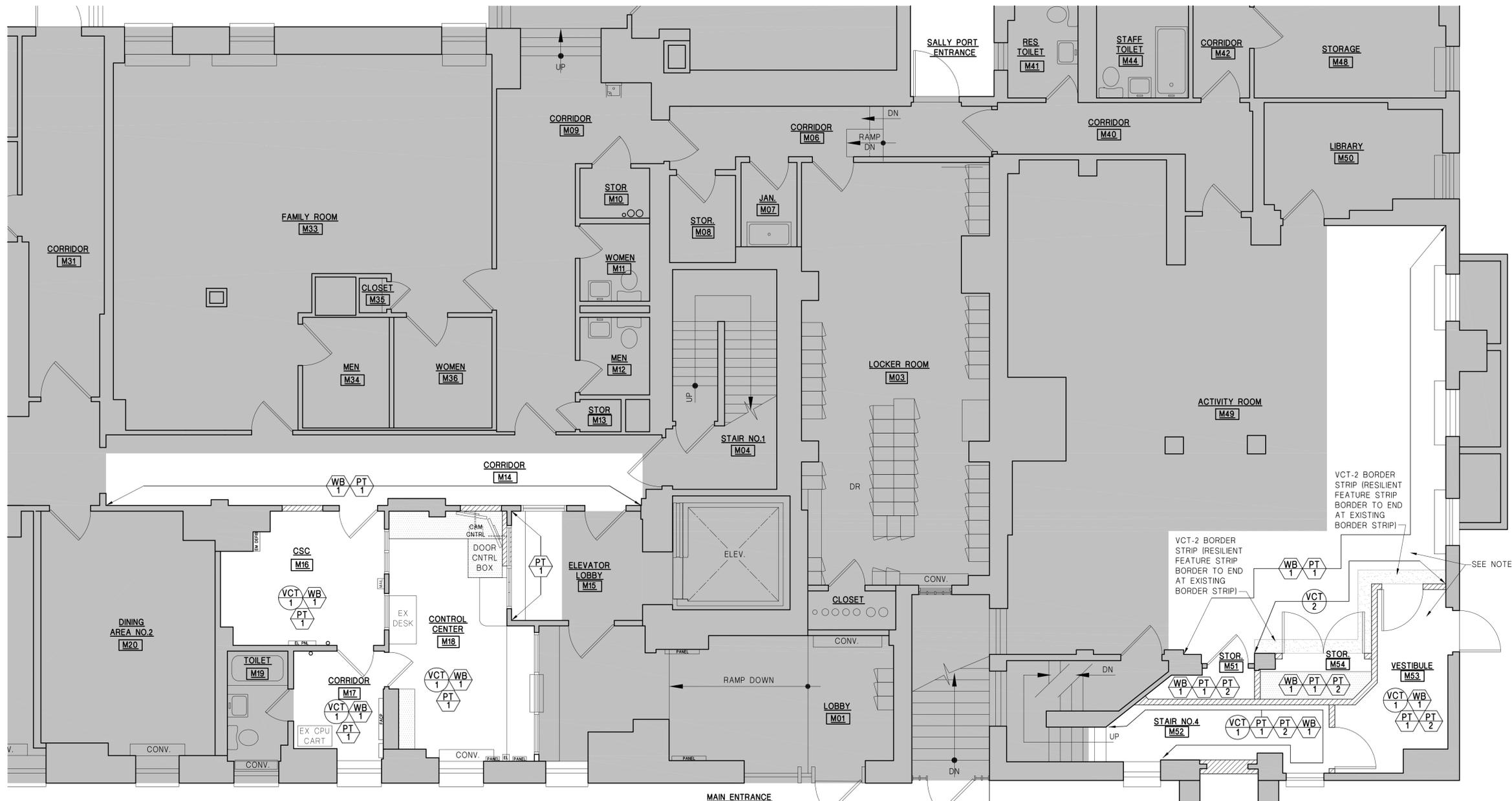
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

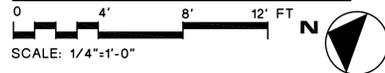
OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>MAIN FLOOR ELEVATIONS</b>	
DRAWING NUMBER:	<b>A-201</b>	

SHEET 8 OF 35



**PART MAIN FLOOR FINISH PLAN**



**WALL FINISH LEGEND:**

PAINT		
APPLICATION	SPECIFICATION	COLOR
INTERIOR		
WALLS:	IAL-2 (INTERIOR EGGSHELL)	TBD
DOORS /FRAME / WINDOWS / TRIM	IAL-3 (INTERIOR SEMI-GLOSS)	TBD
EXTERIOR		
DOORS /FRAME / WINDOWS / TRIM	EAL-3 (EXTERIOR GLOSS)	TBD

WB 1 VINYL BASE COLOR: TBD

**FLOOR FINISH LEGEND:**

VCT 1 VINYL TILE COLOR: TBD

VCT 2 VINYL TILE RESILIENT FEATURE STRIP BORDER TO MATCH EXISTING COLOR AND TILE SIZE OF EXISTING FEATURE STRIP BORDER.

**CEILING FINISH LEGEND:**

PT 2 IAL-1 (INTERIOR FLAT) TBD

**PLASTIC LAMINATE**

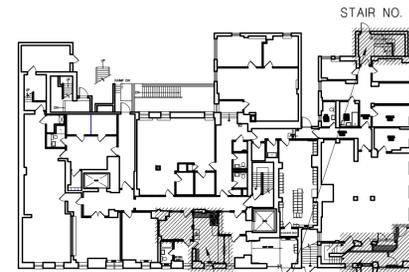
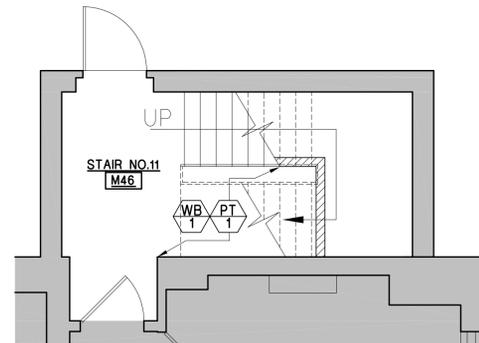
PL-1 COUNTER TOP MANUF: TBD TYPE: TBD COLOR: TBD  
 PL-2 BASE CABINET MANUF: TBD TYPE: TBD COLOR: TBD

**FINISH - TYPICAL NOTES:**

- PAINT ONLY HOLLOW METAL FRAMES AND WALLS, EXCEPT AS NOTED. DO NOT PAINT OVER FIRE RATING PLATE, EXISTING FACE BRICKS, AND GLASS WALL. TYPICAL IN ALL AREAS THAT REQUIRE WORK.
- WHERE FLOORING IS REQUIRED, PATCH FLOOR FLUSH AND SMOOTH. PREPARE FLOOR TO RECEIVE SCHEDULED FINISHES.
- ALL FLAME SPREAD RATING OF INTERIOR FINISHES TO COMPLY WITH LOCAL AND STATE CODE.
- PREPARE EXISTING WALL TO RECEIVE SCHEDULED WALL FINISH. EXISTING WALLS SHALL BE PATCHED SMOOTHLY AND PLUMB. PROVIDE SKIM COAT AT AREAS WITH IRREGULAR SURFACE.
- WHERE THERE ARE AREAS OF EXISTING WALL COVERING (SOMETIMES PAINTED OVER), THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO REMOVE ALL WALL COVERING AND SKIM COAT GYPSUM BOARD FINISH AS REQUIRED.
- PATCH SMOOTH CHIPPED OFF AREAS, DENTS AND SCRATCHES AT EXISTING WINDOW OPENINGS, SILLS AND CONVECTOR COVERS PRIOR TO PAINTING.
- PAINT WALL TO MATCH EXISTING. PROVIDE WALL BASE TO MATCH EXISTING. EXISTING FLOOR FINISH SHALL REMAIN AND PATCH AREAS AFFECTED BY WORK TO MATCH EXISTING
- ALL MILLWORK TO BE CONSTRUCTED WITH 3/4" THICK MIN. (U.O.N.) FIRE RETARDANT PLYWOOD. (IMDF IS NOT TO BE USED)
- GYPSUM BOARD AND GYPSUM PLASTER CEILINGS SHALL HAVE IAL-1 PAINT FINISH COLOR TO MATCH EXISTING.

**PART MAIN FLOOR FINISH PLAN @ STAIR NO. 11 (BLDG B)**

SCALE 1/4" = 1'-0"



**KEY PLAN**

SCALE : N.T.S.

FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	SECOND FLOOR
FIRST FLOOR	FIRST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	MAIN FLOOR
	BASEMENT

**KEY SECTION**

SCALE : N.T.S.



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CONTRACT:

**ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

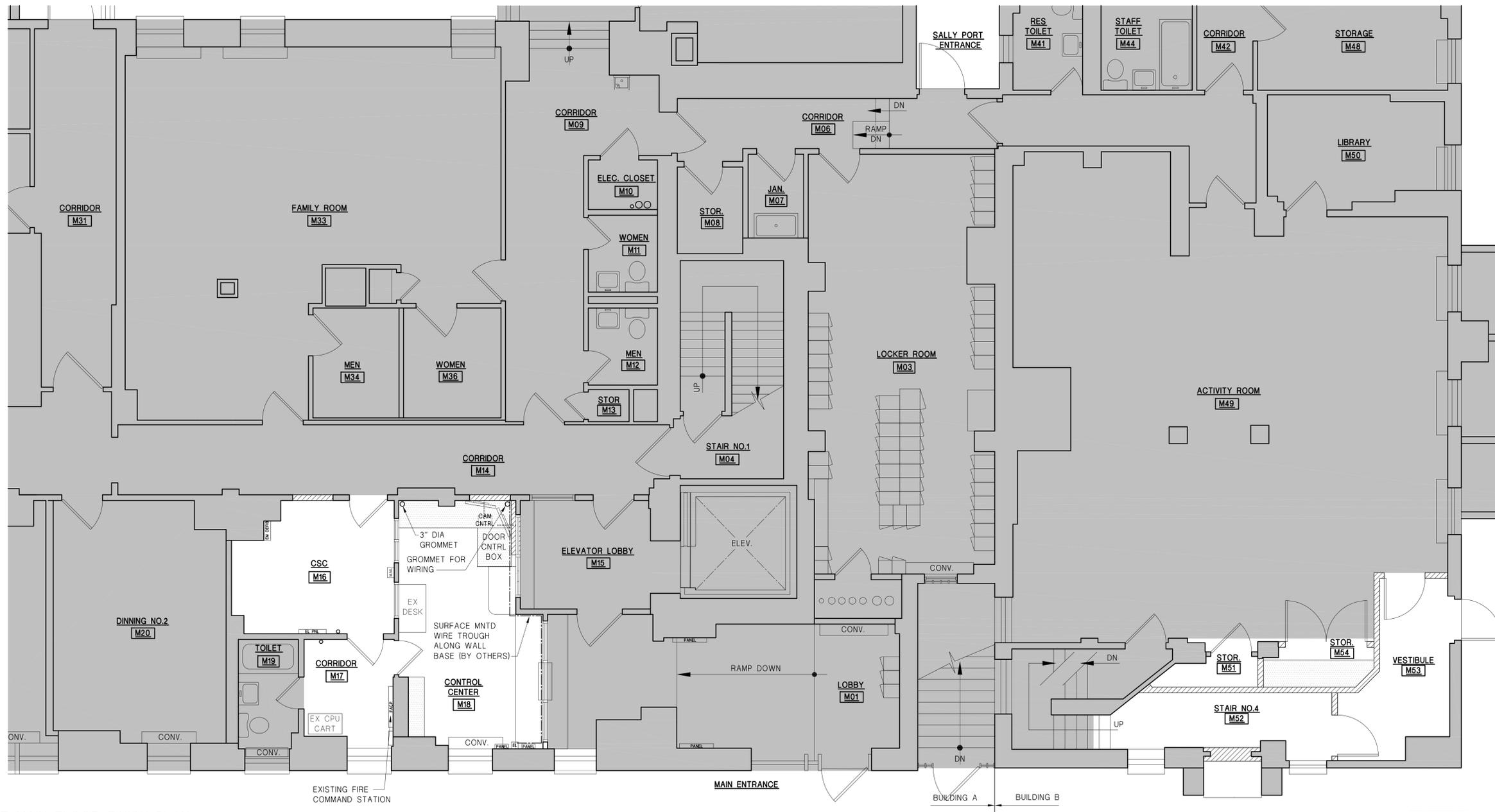
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

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DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>MAIN FLOOR FINISH PLAN</b>	

DRAWING NUMBER: **A-106**

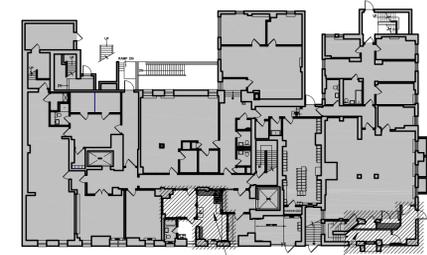


**PART MAIN FLOOR FINISH PLAN**  
 0 4' 8' 12' FT N  
 SCALE: 1/4"=1'-0"

- LEGEND:**
- EXISTING PARTITION TO REMAIN
  - PARTITION
  - MILLWORK

**FURNITURE AND POWER/TEL/DATA - TYPICAL NOTES:**

1. SECURITY, DATA CABLING AND LOCATION AND REQUIREMENTS, BY OTHERS.
2. ALL POWER, DATA AND TELEPHONE OUTLET COVER PLATES LIGHT SWITCHES, BY OTHERS.
3. ALL LIGHT SWITCHES, POWER OUTLETS, TELE/DATA OUTLETS, ETC. MOUNTING HEIGHTS BY OTHERS.
4. LOOSE FURNITURE AND FILES ARE SUPPLIED BY DIRECTOR'S REPRESENTATIVE.



**KEY PLAN** N  
 SCALE : N.T.S.

FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	SECOND FLOOR
FIRST FLOOR	FIRST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	BASEMENT

**KEY SECTION**  
 SCALE : N.T.S.

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 307 SEVENTH AVENUE NEW YORK N.Y. 10001 TEL. NO: 212-695 9222

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CONTRACT: **ELECTRICAL**  
 TITLE: PROVIDE CCTV SECURITY SYSTEM  
 LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
 CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

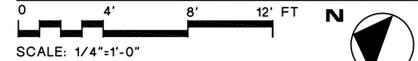
OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>MAIN FLOOR POWER/DATA PLAN</b>	
DRAWING NUMBER:	<b>A-105</b>	

SHEET 6 OF 35



**MAIN FLOOR REFLECTED CEILING PLAN**

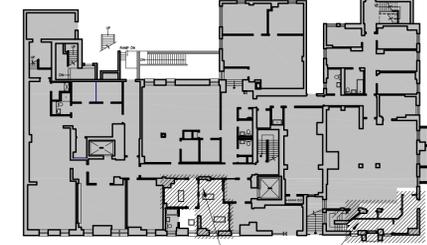


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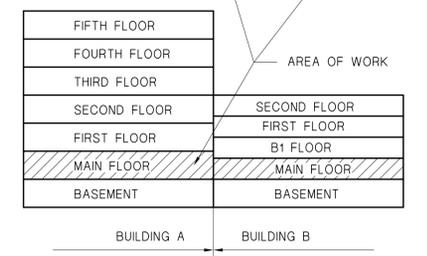
- EXISTING PARTITION TO REMAIN
- PARTITION
- EXISTING ACOUSTICAL CEILING TILE AND GRID TO REMAIN
- 5/8" GYPSUM BOARD CEILING
- 2x4 LIGHT FIXTURE
- 2x2 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- 1x2 LIGHT FIXTURE
- EXIT LIGHT FIXTURE
- LIGHTED FACE
- DIRECTION OF EXIT
- CEILING HT. AT A.F.F. ACOUSTICAL CEILING
- CEILING
- EXISTING CEILING
- GYP. BD. CEILING
- LIGHT FIXTURE ON EMERGENCY CIRCUIT. SEE ELECTRICAL DWGS.
- RELOCATED EXISTING
- HALF DOME SECURITY MIRROR
- QUARTER DOME SECURITY MIRROR
- SMOKE DETECTOR
- FIRE ALARM SPEAKER/STROBE COMBINATION

**NOTES:**

1. VERIFY IN FIELD ALL CEILING HEIGHTS PRIOR TO CONSTRUCTION. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES DUE TO EXISTING CONDITIONS.
2. SEE DETAIL FOR MOUNTING LIGHT FIXTURES.
3. REFER TO ENGINEERING DRAWINGS SPECIFICATIONS FOR LIGHT FIXTURES.
4. SECURITY CAMERAS, LIGHT SWITCHES, ETC ARE NOT SHOWN FOR CLARITY. SEE ELECTRICAL, MECHANICAL, & FIRE PROTECTION DWGS.
5. PATCH EXISTING ADJACENT CEILING CONSTRUCTION AFFECTED BY DEMOLITION.



**KEY PLAN**  
SCALE : N.T.S.



**KEY SECTION**  
SCALE : N.T.S.

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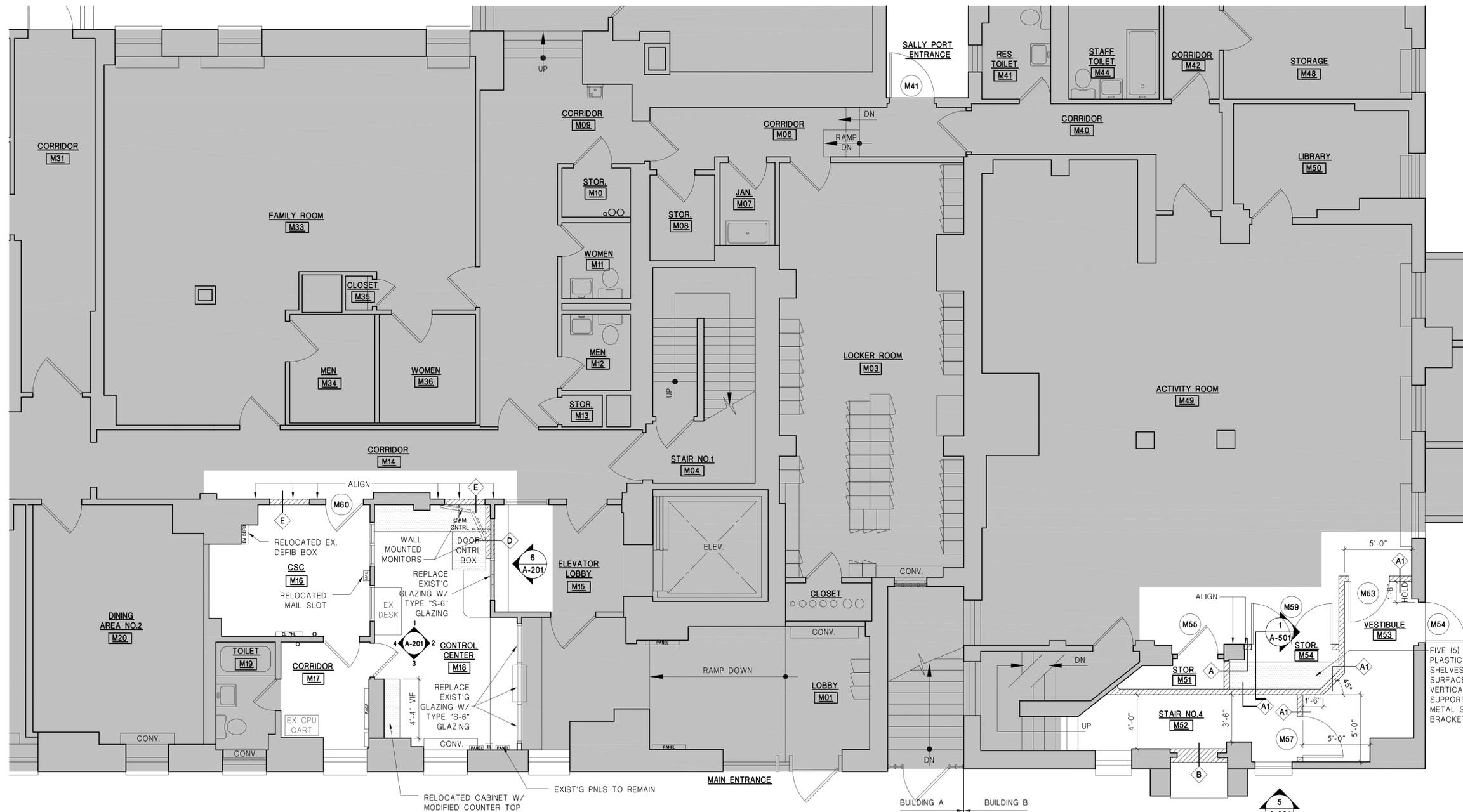


CONTRACT: **ELECTRICAL**  
TITLE: PROVIDE CCTV SECURITY SYSTEM  
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

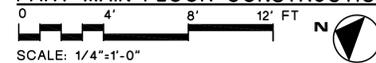
OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	CK	
DRAWN BY:	BL	
FIELD CHECK:	-	
APPROVED:	FC	
SHEET TITLE:	<b>MAIN FLOOR REFLECTED CEILING PLAN</b>	
DRAWING NUMBER:	<b>A-104</b>	

SHEET 5 OF 35



**PART MAIN FLOOR CONSTRUCTION PLAN**

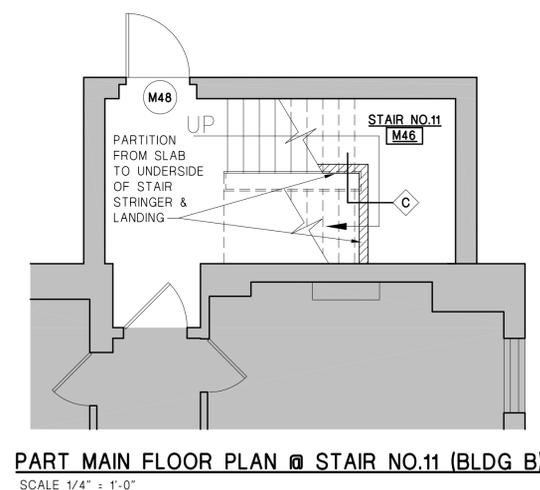


**CONSTRUCTION NOTES:**

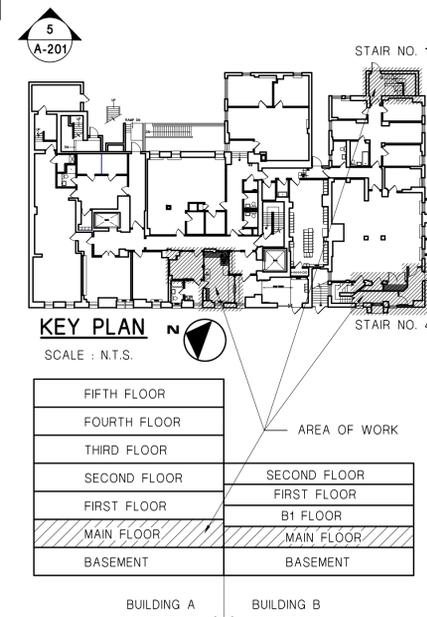
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VERIFICATION OF FIELD CONDITIONS AND DIMENSIONS AND ALL RELATED MATTERS TO PROVIDE A COMPLETE, OPERATIONAL, AND CODE COMPLIANT SYSTEM/CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND SCHEDULING OF ALL TRADES, PROVIDE ALL NECESSARY TOOLS, LABOR, MATERIALS, FINISHES, EQUIPMENT, ETC. TO PROVIDE A COMPLETE AND FUNCTIONAL CONSTRUCTION.
- ALL WORK SHOWN SHALL BE AS INDICATED UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY DISPOSAL AND REMOVAL OF ALL DEBRIS OFF-SITE RELATED TO DEMOLITION AND CONSTRUCTION UNTIL TOTAL COMPLETION OF PROJECT.
- ALL WORK SHALL BE IN ACCORDANCE TO NYS OGS STANDARDS AND SCHEDULING DIRECTIVES.
- CONTRACTOR SHALL FOLLOW ALL APPLICABLE STATE, FEDERAL, AND LOCAL CODES.
- GYPSUM BOARD SHALL BE 5/8" THICK FIRE CODE TYPE "X" FOR ALL CONSTRUCTION. PROVIDE WATER RESISTANT GYPSUM BOARD AT ANY PLUMBING LOCATIONS.
- METAL STUDS AND FURRING CHANNELS SHALL COMPLY WITH ASTM C 645.
- ALL WOOD SHALL BE FIRE RETARDANT. USE FIRE RETARDANT PAINT (FR-S) ON WOOD TO BE PAINTED.
- DIMENSIONS SHOWN ARE FROM FINISH TO FINISH, UNLESS NOTED OTHERWISE.
- AT ALL EXISTING INTERIOR WALLS TO REMAIN, PROVIDE A SMOOTH SKIM COAT OF PLASTER FOR PLUMBNESS AND ALIGNMENT WITH ADJOINING WALLS.
- PATCH WALLS & FLOORS AFFECTED BY DEMOLITION AND SCHEDULED WORK TO MATCH EXISTING.

**LEGEND:**

- EXISTING TO REMAIN
- PARTITION TYPE, SEE DWG. A-504
- PARTITION
- MILLWORK
- EXISTING DOOR TO REMAIN
- DOOR, SEE DOOR SCHEDULE, DWG. A-603
- DOOR NUMBER



**PART MAIN FLOOR PLAN @ STAIR NO.11 (BLDG B)**  
SCALE 1/4" = 1'-0"



**KEY PLAN**  
SCALE: N.T.S.

FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	SECOND FLOOR
FIRST FLOOR	FIRST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	MAIN FLOOR
	BASEMENT

**KEY SECTION**  
SCALE: N.T.S.

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**ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM  
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

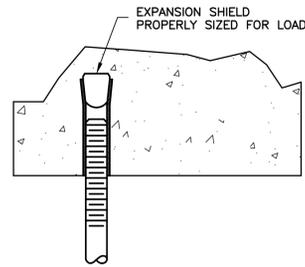
1	2013/05/22	BID DOCUMENTS
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MARK	DATE	DESCRIPTION

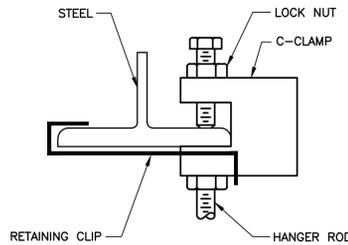
PROJECT NUMBER: 43961-E  
DESIGNED BY: CK  
DRAWN BY: BL  
FIELD CHECK: -  
APPROVED: FC  
SHEET TITLE:

**MAIN FLOOR CONSTRUCTION PLAN**

DRAWING NUMBER: **A-103**



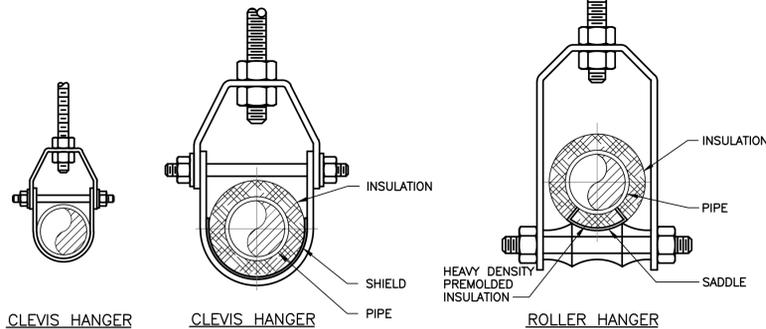
CONCRETE ANCHOR



C-CLAMP WITH RETAINING CLIP

**PIPE SUPPORT DETAIL**

(UPPER ATTACHMENT DEVICES)  
SCALE: NONE

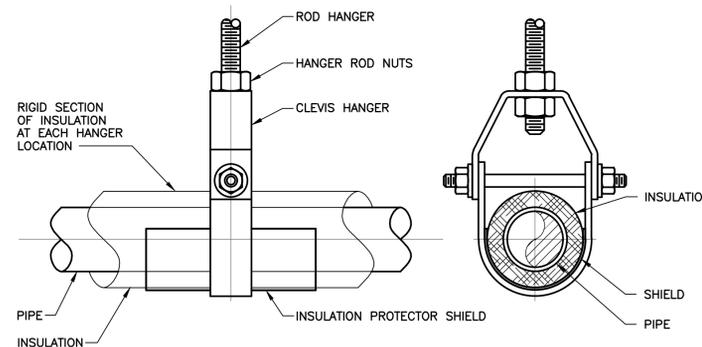


NOTE:  
SIZE HANGER TO ADEQUATELY SUPPORT LOAD.

**PIPE SUPPORT DETAIL**

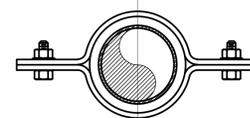
(LOWER ATTACHMENT DEVICES)  
SCALE: NONE

SHIELD SCHEDULE		
PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS
1/2" TO 1 1/2"	12"	18 USG
2" TO 4"	12"	18 USG
5" TO 6"	18"	16 USG

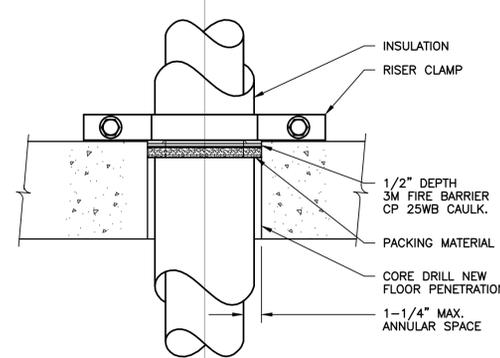


**PIPE SUPPORT INSULATION SHIELD DETAIL**

SCALE: NONE



PLAN VIEW

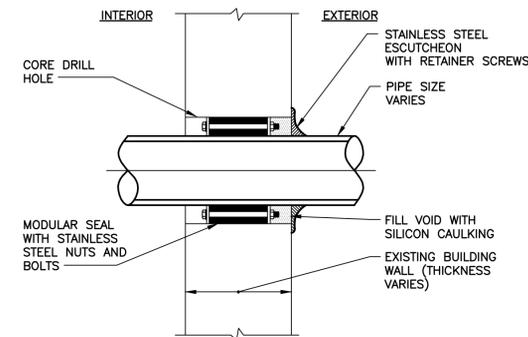


**NOTES:**

1. MINIMUM ANNULAR SPACE REQUIREMENT IS ZERO, POINT CONTACT. MAXIMUM ANNULAR SPACE ALLOWABLE IS 1-1/4 INCHES.
2. RECESS PACKING MATERIAL (BACKER ROD, MINERAL WOOL, ETC.) 1/2 INCH FROM THE SURFACE OF THE FLOOR.
3. FILL THE ANNULAR SPACE AROUND THE PIPE WITH A MINIMUM 1/2 INCH DEPTH OF 3M MODEL CP 25WB CAULK.
4. THE FIRE RATING OF THE CP 25 CAULK IS BASED ON THE WET INSTALLED DEPTH. SHRINKAGE MAY BE EXPECTED AFTER INSTALLATION.
5. DETAIL SHOWN IS UL SYSTEM #319.

**FIRE STOP PIPE PENETRATION THROUGH FLOOR**

SCALE: NONE

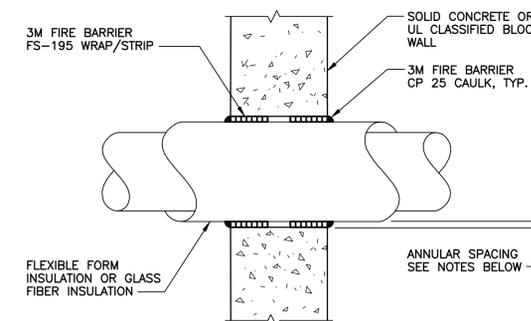


**NOTES:**

1. MODULAR SEAL STRIP SHALL BE PLACED SO THAT BOLTS CAN BE ADJUSTED DURING NORMAL OPERATION.
2. WALLS 12" OR LARGER IN THICKNESS SHALL REQUIRE 2 MODULAR SEAL STRIPS.

**PIPE PENETRATION THRU EXISTING WALL**

(USE FOR ALL PENETRATIONS THRU EXISTING WALLS)  
SCALE: NONE



**NOTES:**

1. INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
2. UL THROUGH-PENETRATION FIRESTOP SYSTEM No. 395.
3. MINIMUM ANNULAR SPACE BETWEEN THE SIDE OF THE THROUGH OPENING AND THE PENETRATING ITEMS IS 1/4". SPACING BETWEEN PENETRATING ITEMS SHALL BE A MINIMUM 1/2".
4. TIGHTLY WRAP A LAYER OF 3M FIRE BARRIER FS-195 WRAP/STRIP AROUND THE INSULATED TUBING/PIPE, FOIL SIDE OUT. SECURE THE FS-195 WRAP/STRIP WITH 18-GAUGE STEEL TIE WIRE. SLIDE THE FS-195 WRAP/STRIP INTO THE OPENING SUCH THAT THE TOP EDGE IS FLUSH WITH THE SURFACE OF THE WALL.
5. RECESS A MINIMUM 1 IN. THICKNESS OF TIGHTLY PACKED MINERAL WOOL SAFING AROUND THE PENETRATING ITEMS AND APPLIED FS-195 WRAP/STRIP.
6. FILL ANNULAR SPACE AROUND THE TUBING WITH A MINIMUM 1-IN. DEPTH OF 3M FIRE BARRIER CP 25 CAULK.

**FIRESTOPPING FOR FIRE-RATED BLOCK WALL**

SCALE: NONE

**AIR CONDITIONING SYSTEM SCHEDULE**

SYSTEM NO.	LOCATION	SERVICE	NOMINAL TONS	COOLING CAPACITY BTUH	AMBIENT AIR TEMP. °F	No. OF COMP.	WEIGHT (LB)	SEER @ ARI	ELECTRICAL DATA			MANUFACTURER: MODEL NO.				
									MCA	MOCF	VOLTS/Ph/Hz					
ACCU-2A	OUTDOOR	AC-2B	-	30,000	95	2	163	15.5	25	40	208/1/60	MITSUBISHI PUY-A30NHA4				
SYSTEM NO.	LOCATION	SERVICE	UNIT CONFIGURATION	DX COOL'G COIL		FAN		AIR SIDE				ELECTRICAL DATA			MANUFACTURER: MODEL NO.	
				TOTAL CAP. MBH	SENS. CAP. MBH	VOL. FLOW CFM	EXT. SP IN WG	EAT	LAT	DB °F	WB °F	DB °F	WB °F	VOLTS/PH/Hz		MCA
AC- 2B	INDOOR 2ND FL.	SECURITY CLOSET 233	FAN COIL	30		705		80	67	55	54	208/1/60	1	-	46 LB	MITSUBISHI PKA-A30KA4

**NOTES:**

1. FOLLOW MANUFACTURER'S INSTALLATION MANUAL.
2. PROVIDE WALL MOUNTED PROGRAMMABLE CONTROLLER.
3. PROVIDE SQUARE D DISCONNECT SWITCH.
4. PROVIDE 1/4" THREADED RODS & RUBBER IN SHEAR VIBRATION ISOLATORS.
5. EXPOSED WIRING & REFRIG PIPING TO BE RUN IN SLIM-DUCT ENCLOSURE.



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Governor  
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**CONTRACT:**

**ELECTRICAL**

**TITLE:** PROVIDE CCTV SECURITY SYSTEM

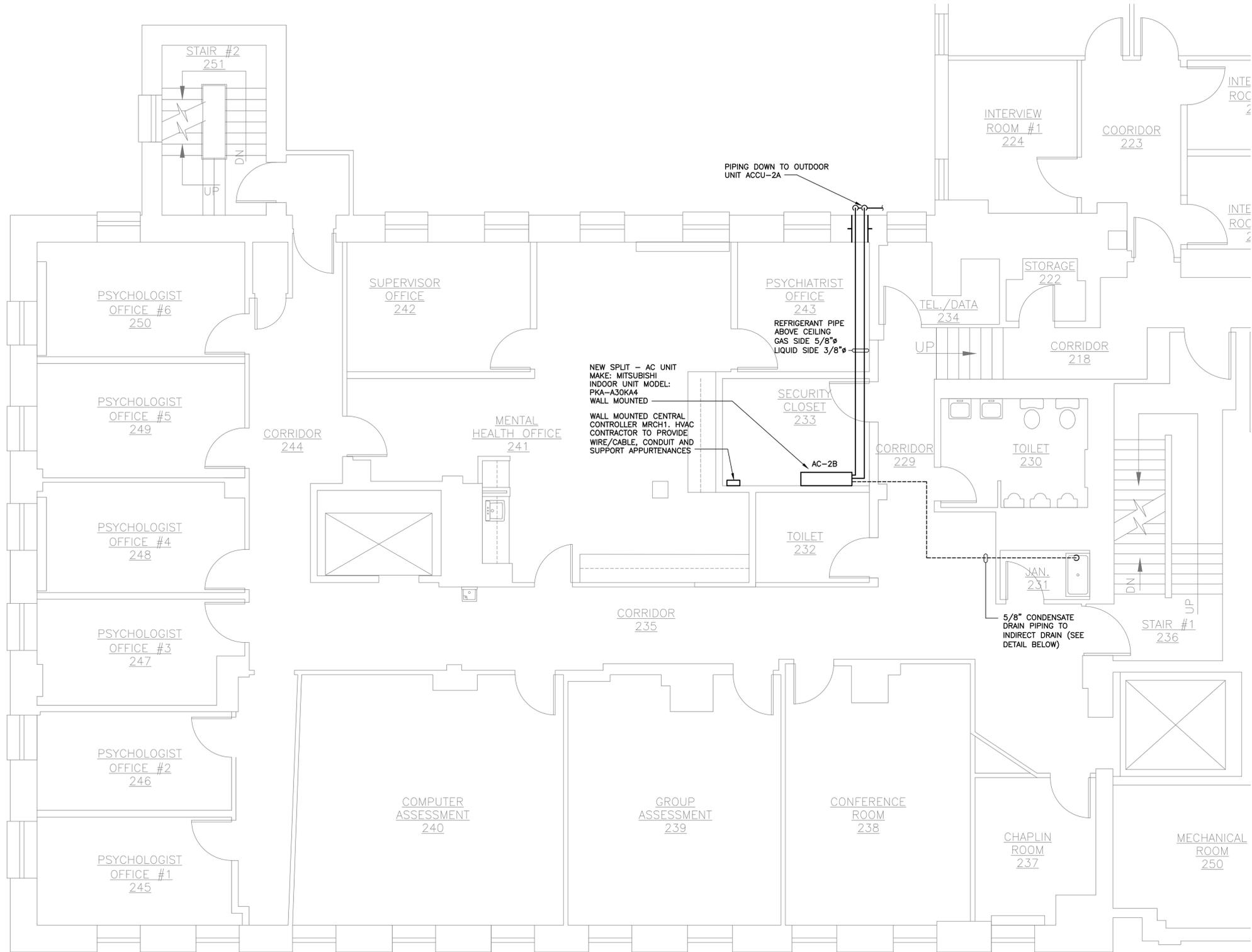
**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	LM	
DRAWN BY:	LM	
FIELD CHECK:		
APPROVED:	GDS	
SHEET TITLE:	<b>MECHANICAL DETAILS AND SCHEDULES</b>	
DRAWING NUMBER:	<b>M-200</b>	

SHEET 14 OF 35



**GENERAL NOTES:**

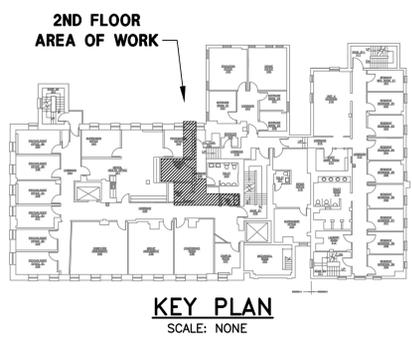
1. LOCATE WALL MOUNTED INDOOR FAN COIL UNIT TO BLOW DIRECTLY ON SECURITY EQUIPMENT RACK. COORDINATE MOUNTING HEIGHT AND FINAL LOCATION WITH ELECTRICAL CONTRACTOR AND DIRECTOR'S REPRESENTATIVE.
2. ROUTE NEW REFRIGERANT AND CONDENSATE PIPING IN CONCEALED SPACES WHEN POSSIBLE SO IT DOES NOT INTERFERE WITH ANY EXISTING BUILDING SYSTEMS.
3. PROVIDE REFRIGERANT PIPING WITH INSULATION AND VAPOR BARRIER BETWEEN OUTDOOR CONDENSING UNIT AND INDOOR FAN COIL UNIT.
4. PROVIDE TYPE L (ASTM B88) HARD DRAWN COPPER TUBING WITH WROT COPPER ALLOY SOLDER FITTINGS (ASTM B16.22) WITH LEAD FREE TIN-SILVER SOLDER (ASTM B32) FOR CONDENSATE PIPING WITH FLEXIBLE ELECTROMETRIC FOAM INSULATION AND VAPOR BARRIER. INSULATION SHALL EXTEND TO PENETRATION WITH EXTERIOR WALL.
5. PROVIDE WALL MOUNTED INDOOR FAN COIL UNIT. MOUNT PER THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
6. PROVIDE CONDENSING UNIT, WALL MOUNTED WITH MANUFACTURER'S WALL MOUNTING BRACKET.
7. EXTERIOR CONDENSATE PIPE SHALL NOT BE INSULATED. RUN CONDENSATE PIPING TIGHT TO WALL AND TERMINATE 12" ABOVE GRADE, FINISH WITH INSECT SCREEN.
8. CONTRACTOR SHALL DETERMINE CAPABILITY OF EXISTING WALL MOUNTED CONTROLLER IF 2 WALL MOUNTED UNITS CAN OPERATE SEQUENTIALLY WITH (1) OR THE EXISTING CONTROLLER. WIRE NEW AC-2 TO EXISTING CONTROLLER. IF HOWEVER AN ADDITIONAL CONTROLLER IS REQUIRED, CONTRACTOR SHALL PROVIDE A NEW CONTROLLER SO THAT BOTH UNITS CAN RUN CASCADE TO MEET ROOM HEAT LOAD/SET POINT.

NEW SPLIT - AC UNIT  
MAKE: MITSUBISHI  
INDOOR UNIT MODEL:  
PKA-A30K44  
WALL MOUNTED  
WALL MOUNTED CENTRAL  
CONTROLLER MRCH1. HVAC  
CONTRACTOR TO PROVIDE  
WIRE/CABLE, CONDUIT AND  
SUPPORT APPURTENANCES

PIPING DOWN TO OUTDOOR  
UNIT ACCU-2A

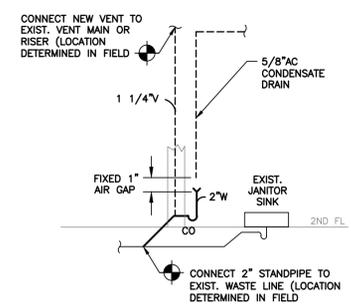
REFRIGERANT PIPE  
ABOVE CEILING  
GAS SIDE 5/8"  
LIQUID SIDE 3/8"

5/8" CONDENSATE  
DRAIN PIPING TO  
INDIRECT DRAIN (SEE  
DETAIL BELOW)



ROOF	ROOF
FIFTH FLOOR	2ND FLOOR
FOURTH FLOOR	1ST FLOOR
THIRD FLOOR	B1 FLOOR
SECOND FLOOR	MAIN FLOOR
FIRST FLOOR	BASEMENT
MAIN FLOOR	BASEMENT
BASEMENT	BASEMENT
BUILDING 'A'	BUILDING 'B'

**SECOND FLOOR PART PLAN**  
SCALE: 1/4" = 1'-0"



**CONDENSATE DRAIN DISCHARGE**  
SCALE: NONE

**OCGS**  
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CORPORATE SEAL  
1996  
NEW YORK

**STATE OF NEW YORK**  
CORPORATE SEAL  
1996  
NEW YORK

CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

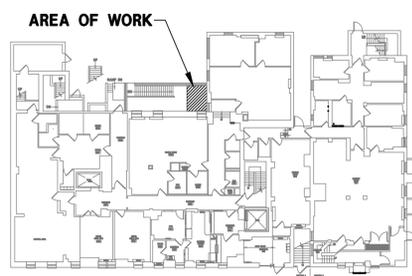
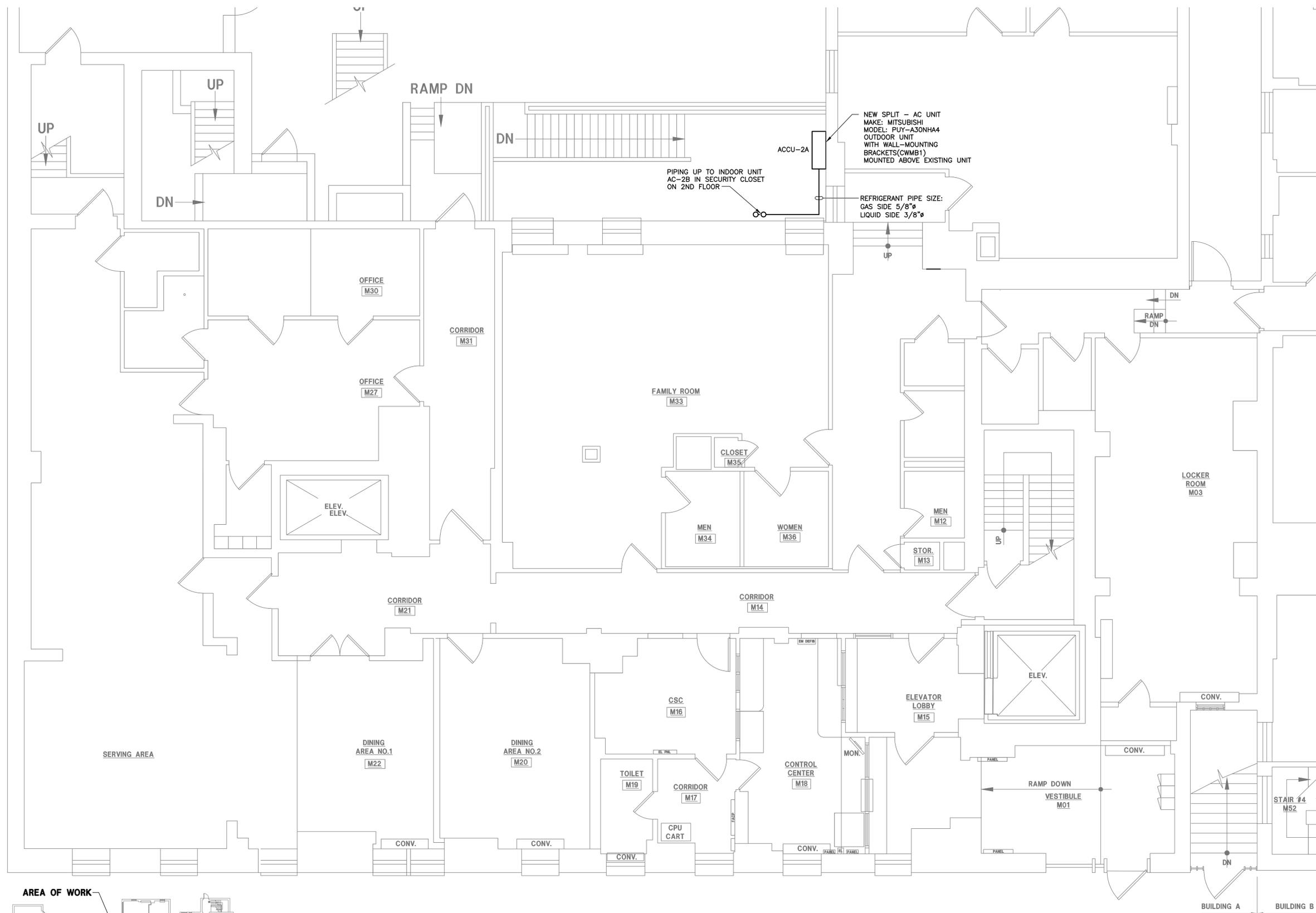
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

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MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	ERS	
DRAWN BY:	EAO	
FIELD CHECK:		
APPROVED:	ERS	
SHEET TITLE:	<b>MECHANICAL SECOND FLOOR PART PLAN</b>	
DRAWING NUMBER:	<b>M-101</b>	

SHEET 13 OF 35

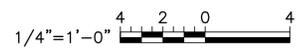


**KEY PLAN**  
SCALE: NONE

ROOF	ROOF
FIFTH FLOOR	2ND FLOOR
FOURTH FLOOR	1ST FLOOR
THIRD FLOOR	B1 FLOOR
SECOND FLOOR	MAIN FLOOR
FIRST FLOOR	BASEMENT
MAIN FLOOR	BUILDING 'A'
BASEMENT	BUILDING 'B'

**MAIN FLOOR PART PLAN**

SCALE: 1/4" = 1'-0"



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CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

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41 HOWARD AVENUE  
BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

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PROJECT NUMBER:	43961-E	
DESIGNED BY:	LM	
DRAWN BY:	LM	
FIELD CHECK:		
APPROVED:	GDS	
SHEET TITLE:		

**MECHANICAL MAIN FLOOR PART PLAN**

DRAWING NUMBER:  
**M-100**

**GENERAL NOTES:**

- ALL WORK PERFORMED SHALL MEET NYSOGS CURRENT CODE COMPLIANCE.
- ALL WORK SHOWN ON THESE PLANS SHALL BE NEW UNLESS SPECIFICALLY CALLED OUT AS EXISTING; SHALL BE PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY CALLED OUT OTHERWISE.
- THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT AND INDICATE THE REQUIRED SIZE AND POINTS OF TERMINATION OF THE DUCTWORK AND PIPING AND SUGGEST PROPER ROUTING OF SAME. HOWEVER, IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHEN NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN CRATED SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AREAS AVAILABLE. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT COULD BE MOVED THROUGH THE BUILDING.
- COORDINATE THE EXACT SIZE AND LOCATION OF THE NEW OPENINGS WITH EXISTING STRUCTURE. PATCH AND INSULATE AS REQUIRED. THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF NEW PIPING, CONDUIT, DUCTWORK, ETC. THROUGH EXISTING FIRE/ SMOKE BARRIERS. FIRE/SMOKE STOPPING SHALL BE 3M FIRE BARRIER CP 25 N/S CAULK UNLESS OTHERWISE NOTED.
- IT IS THE INTENT OF THIS CONTRACT TO KEEP REMAINING SYSTEMS LEFT IN GOOD WORKING ORDER, READY FOR OPERATION, INCLUDING NECESSARY LABOR AND MATERIALS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING, GAS PIPING OR CONTROL TUBING. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S COST, WITHIN COST, WITHIN THIS CONTRACT PERIOD FOR SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL REPAIR AND RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, AND DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL MAKE REPAIRS USING THE SAME MATERIALS, AT THE CONTRACTOR'S COST.
- THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT AND MATERIALS.
- DAILY, DURING DEMOLITION AND DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS. ALL AREAS AND EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE CLEAN OF DUST AND DEBRIS BEFORE FINAL ACCEPTANCE BY THE OWNER.
- PROVIDE FOR LEGAL REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE BUILDING AND SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC.
- PAINT AND TOUCH-UP ALL SURFACES MARRED BY PERFORMANCE OF THE WORK.

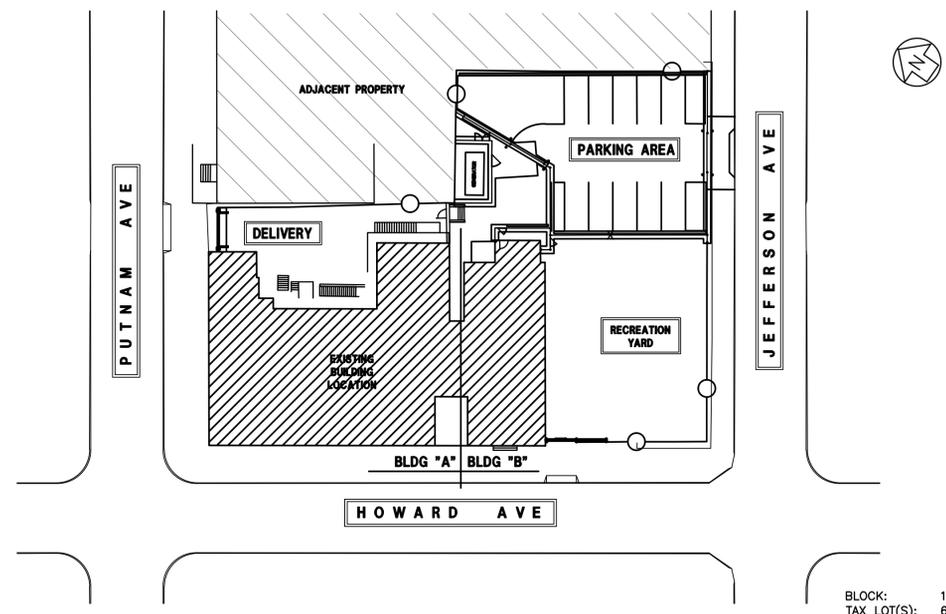
**LEGEND**

	HOT WATER SUPPLY
	HOT WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	COLD WATER SUPPLY
	COLD WATER RETURN
	CONDENSATE
	EXISTING WORK TO REMAIN
	EXISTING PIPING TO BE REMOVED
	DEMOLITION AREA
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	MIXING VALVE
	MODULATING CONTROL VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE
	RELIEF VALVE
	UNION
	PRESSURE GAUGE
	PRESSURE SWITCH
	LIMIT OF CONTRACT WORK
	NEW CONNECTION
	DN OR DROP
	PIPE CAP
	UP OR RISE
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	REDUCER

	NEW DUCTWORK, DOUBLE LINE
	VOLUME DAMPER
	3/4" DOOR UNDERCUT
	4-WAY SUPPLY CEILING DIFFUSER
	2-WAY SUPPLY CEILING DIFFUSER -OPPOSITE BLOW PATTERN
	RETURN CEILING GRILLE
	DIRECTION OF SUPPLY AIR FLOW
	DIRECTION OF RETURN/EXHAUST AIR FLOW
	THERMOSTAT/TEMPERATURE SENSOR

**ABBREVIATIONS**

⊙	AT	JC	JANITOR CLOSET
AFF	ABOVE FINISHED FLOOR	JS	JANITOR SINK
B	BOILER	LAV	LAVATORY
℄	CENTERLINE	LSV	LOCK SHIELD VALVE
CA	COMPRESSED AIR	MAX	MAXIMUM
CAF	COMBUSTION AIR FAN	MIN	MINIMUM
CI	CAST IRON	N/A	NOT APPLICABLE
CO	CLEANOUT	NG	NATURAL GAS
CONT	CONTINUOUS, CONTINUE	NO	NUMBER
CU FT	CUBIC FEET	NTS	NOT TO SCALE
CV	CONVECTOR	O.A.I	OUTSIDE AIR INTAKE
CW	COLD WATER	PD	PUMP DISCHARGE
DFB	DUAL FUEL BURNER	PSI	POUNDS PER SQUARE INCH
DN	DOWN	P&T	PRESSURE & TEMPERATURE
DWG	DRAWING	RM	ROOM
(E)	EXISTING	SAN	SANITARY
EA	EACH	SQ	SQUARE
ED	EQUIPMENT DRAIN	SS	SERVICE SINK
EL	ELEVATION	THK	THICK(NESS)
FC	FLEXIBLE CONNECTION	TYP	TYPICAL
FCU	FAN COIL UNIT	UL	UNDERWRITER'S LABORATORY
FD	FLOOR DRAIN	V	VENT
FOR	FUEL OIL RETURN	VIF	VERIFY IN FIELD
FOS	FUEL OIL SUPPLY	VTR	VENT THROUGH ROOF
FOTP	FUEL OIL TRANSFER PUMP	WC	WATER CLOSET
FT	FOOT; FEET	WMS	WIRE MESH SCREEN
NG	NATURAL GAS		
GPM	GALLONS PER MINUTE		
HB	HOSE BIBB		
INV	INVERT		
IPS	IRON PIPE SIZE		



**PROJECT SITE LOCATION**  
SCALE: NONE

BLOCK: 1486  
TAX LOT(S): 6



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CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	LM	
DRAWN BY:	LM	
FIELD CHECK:		
APPROVED:	GDS	
SHEET TITLE:	GENERAL NOTES, LEGEND AND ABBREVIATIONS	
DRAWING NUMBER:	M-001	

SHEET 11 OF 35



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**CONTRACT:** ELECTRICAL

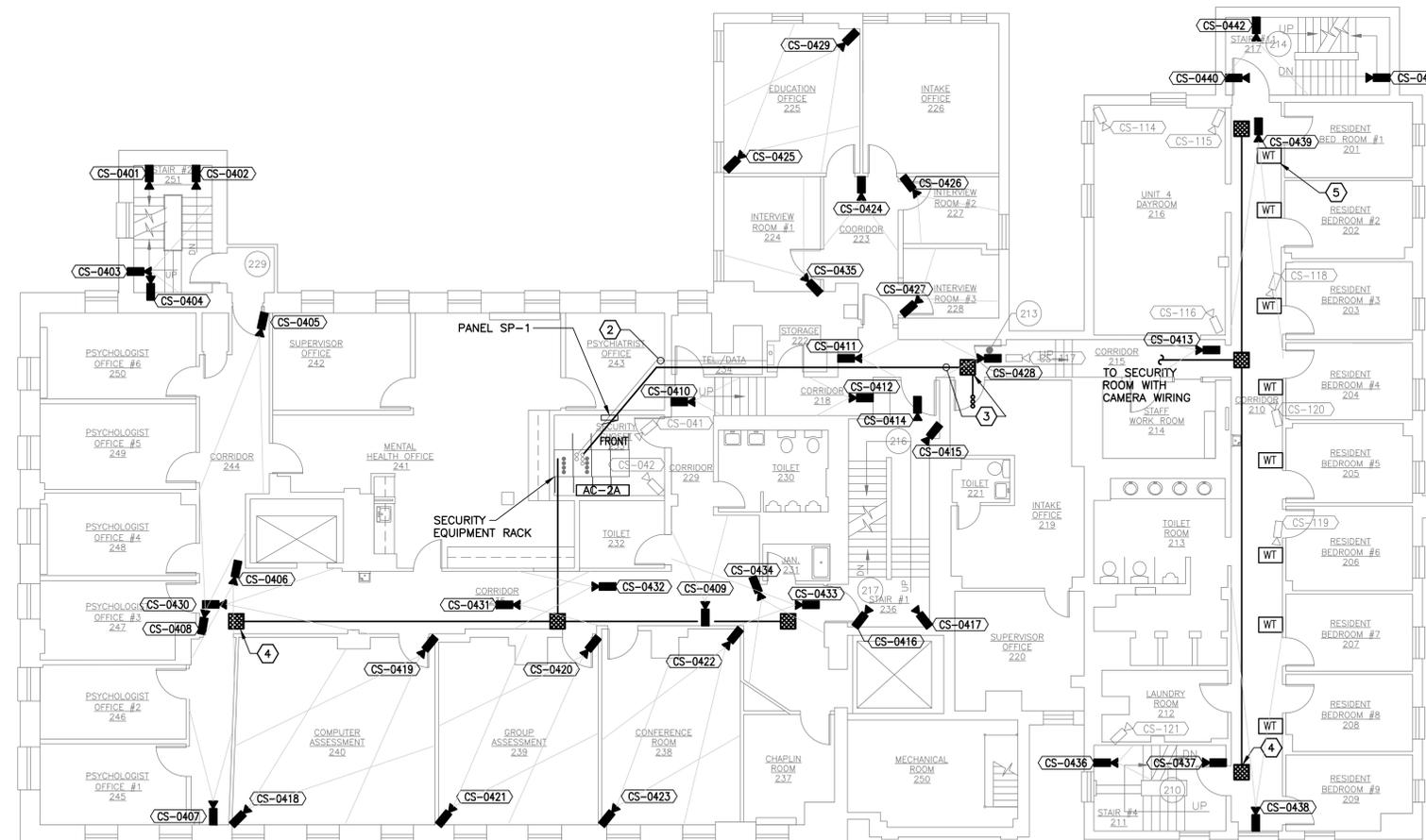
**TITLE:** PROVIDE CCTV SECURITY SYSTEM

**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
<b>SHEET TITLE:</b>		
<b>ELECTRICAL SECOND FLOOR SECURITY PLAN</b>		
DRAWING NUMBER:		
<b>E-103</b>		
SHEET	22	OF 35



**SECOND FLOOR BUILDING 'A' PLAN**

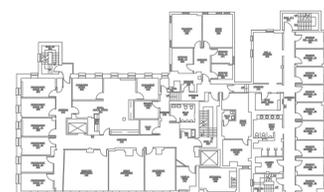
SCALE: 1/8" = 1'-0"

**SECOND FLOOR BUILDING 'B' PLAN**

SCALE: 1/8" = 1'-0"

**PROJECT KEY NOTES:**

- FOR EACH CAMERA LOCATION, PROVIDE CONDUIT TO ASSOCIATED COMMON PULL BOX. PROVIDE WIRING FROM EACH CAMERA JUNCTION BOX LOCATION BACK TO SECURITY EQUIPMENT CLOSET RACK TYPICAL FOR ALL NEW AND RELOCATED CAMERAS.
- EXISTING CONDUIT (2)-4" WITH SECURITY CABLES.
- PROVIDE (3)-4" CONDUIT BACK TO SECURITY ROOM FOR SECURITY WIRING. SIZE PULL BOX AS REQUIRED BY NEC.
- PULLBOX LOCATIONS ARE STRICTLY. PROVIDE REQUIRED/ NECESSARY QUANTITY AT LOCATIONS DETERMINED IN THE FIELD. SUBMIT PULLBOX LOCATIONS AND SIZES FOR REVIEW.
- GUARD TOUR STATION AND ASSOCIATED SECURITY FASTENERS TO BE FURNISHED BY TIS, AND INSTALLED BY THE E.C.



**KEY PLAN**  
SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	ROOF
FIRST FLOOR	1ST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	BASEMENT
BUILDING 'A'	BUILDING 'B'





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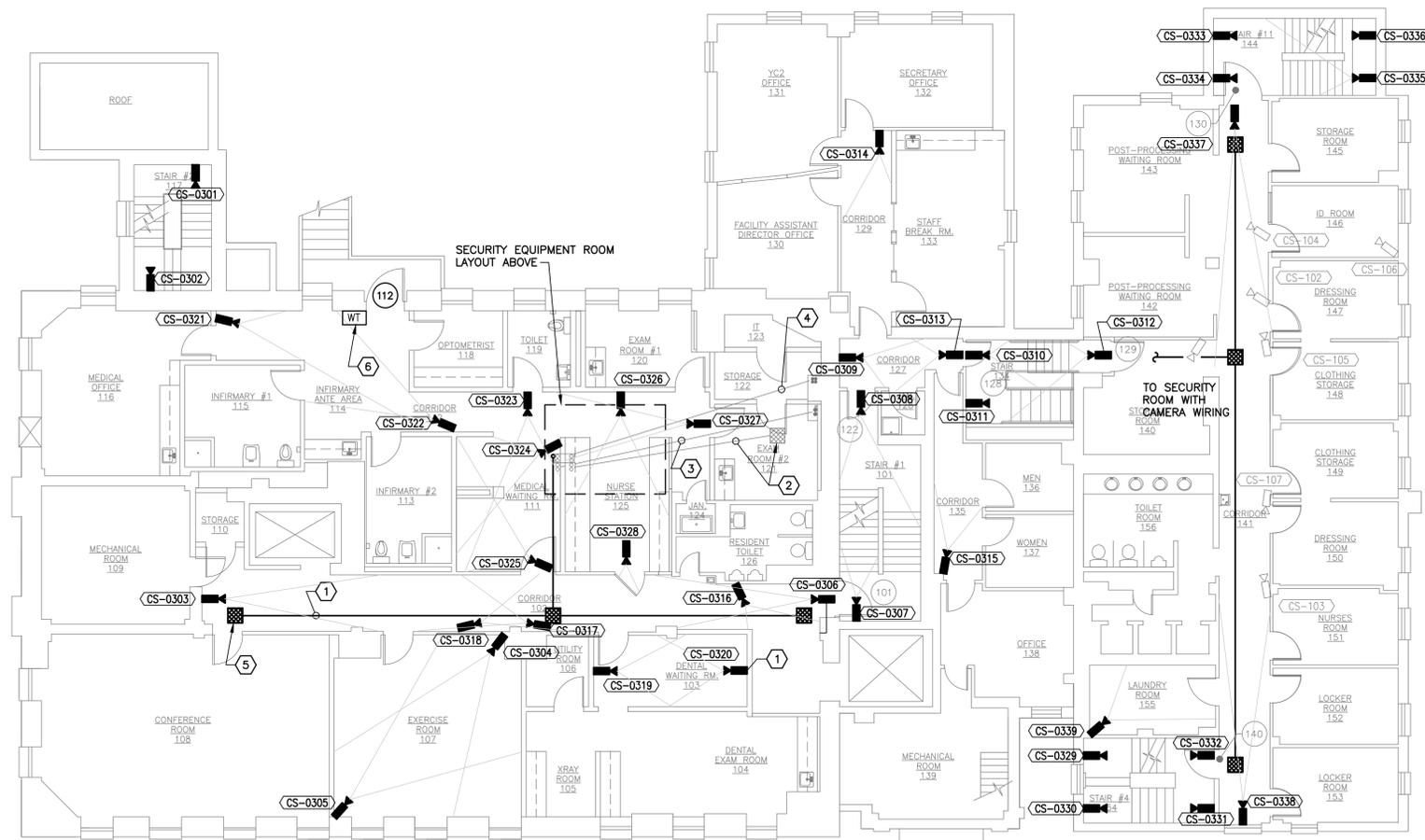
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**TITLE:** PROVIDE CCTV SECURITY SYSTEM  
**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

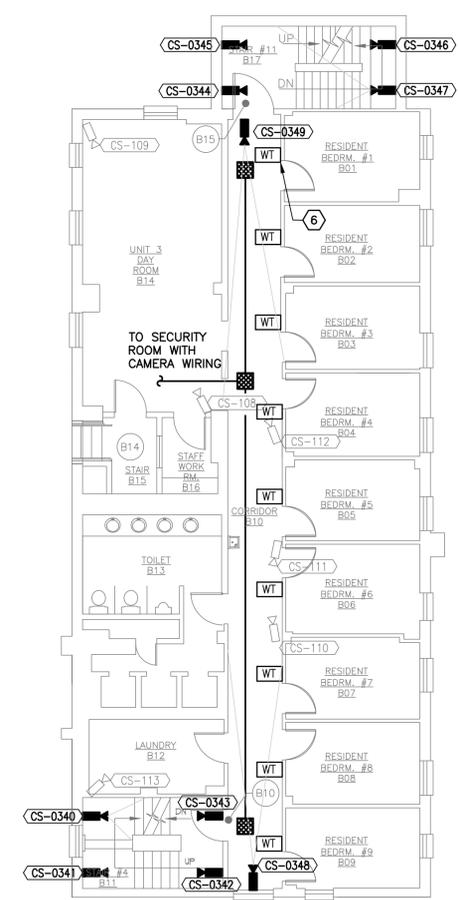
OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		
<b>ELECTRICAL FIRST FLOOR SECURITY PLAN</b>		
DRAWING NUMBER:		
<b>E-102</b>		
SHEET 21 OF 35		



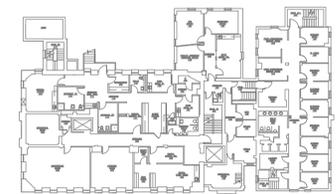
**FIRST FLOOR BUILDING 'A' PLAN**  
SCALE: 1/8" = 1'-0"

**FIRST FLOOR BUILDING 'B' PLAN**  
SCALE: 1/8" = 1'-0"



**B1 FLOOR BUILDING 'B' PLAN**  
SCALE: 1/8" = 1'-0"

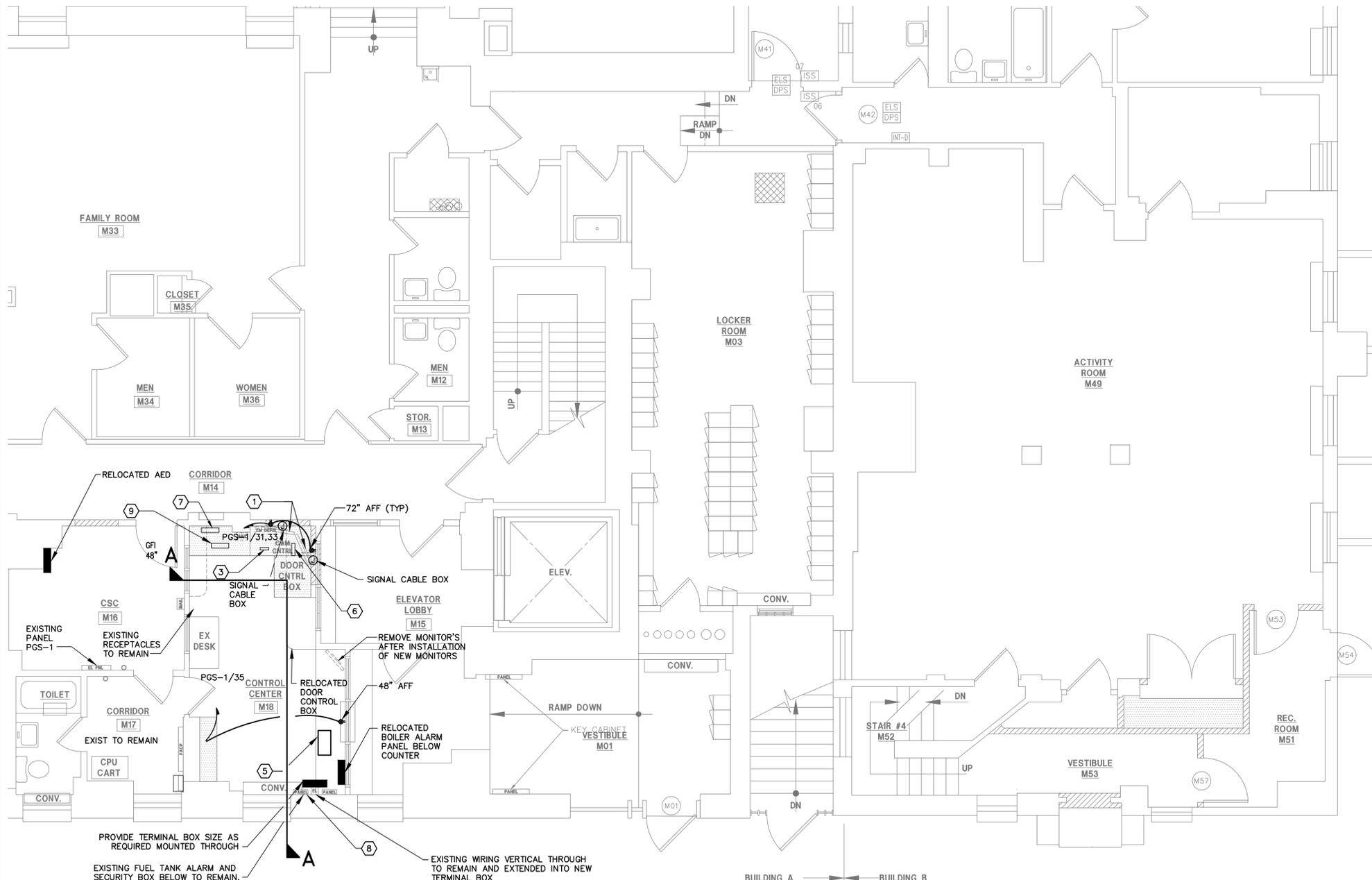
- PROJECT NOTES:**
- FOR EACH CAMERA LOCATION, PROVIDE CONDUIT TO ASSOCIATED COMMON PULL BOX. PROVIDE WIRING FROM EACH CAMERA JUNCTION BOX LOCATION BACK TO SECURITY EQUIPMENT CLOSET RACK TYPICAL FOR ALL NEW AND RELOCATED CAMERAS.
  - EXISTING PULL BOX AND CONDUIT (2)-4"C. UTILIZE FOR CAMERA WIRING RUN. PROVIDE ADDITIONAL CONDUIT AS REQ'D.
  - EXISTING CONDUIT (2)-4"C AND (1)-2"C. UTILIZE FOR CAMERA WIRING RUN AS NEEDED. PROVIDE ADDITIONAL CONDUIT AS REQ'D.
  - EXISTING CONDUIT (4)-3"C. UTILIZE FOR CAMERA WIRING RUN AS NEEDED. PROVIDE ADDITIONAL CONDUIT AS REQ'D.
  - PULLBOX LOCATIONS ARE STRICTLY RECOMMENDATIONS. PROVIDE REQUIRED/NECESSARY QUANTITY AT LOCATIONS DETERMINED IN THE FIELD. SUBMIT PULLBOX LOCATIONS AND SIZES FOR REVIEW.
  - GUARD TOUR STATION AND ASSOCIATED SECURITY FASTENERS TO BE FURNISHED BY TIS, AND INSTALLED BY THE E.C.



**KEY PLAN**  
SCALE : N.T.S.

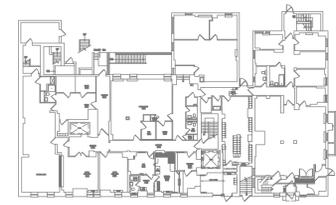
ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	ROOF
FIRST FLOOR	2ND FLOOR
BASEMENT	1ST FLOOR
	B1 FLOOR
	MAIN FLOOR
	BASEMENT
BUILDING 'A'	BUILDING 'B'





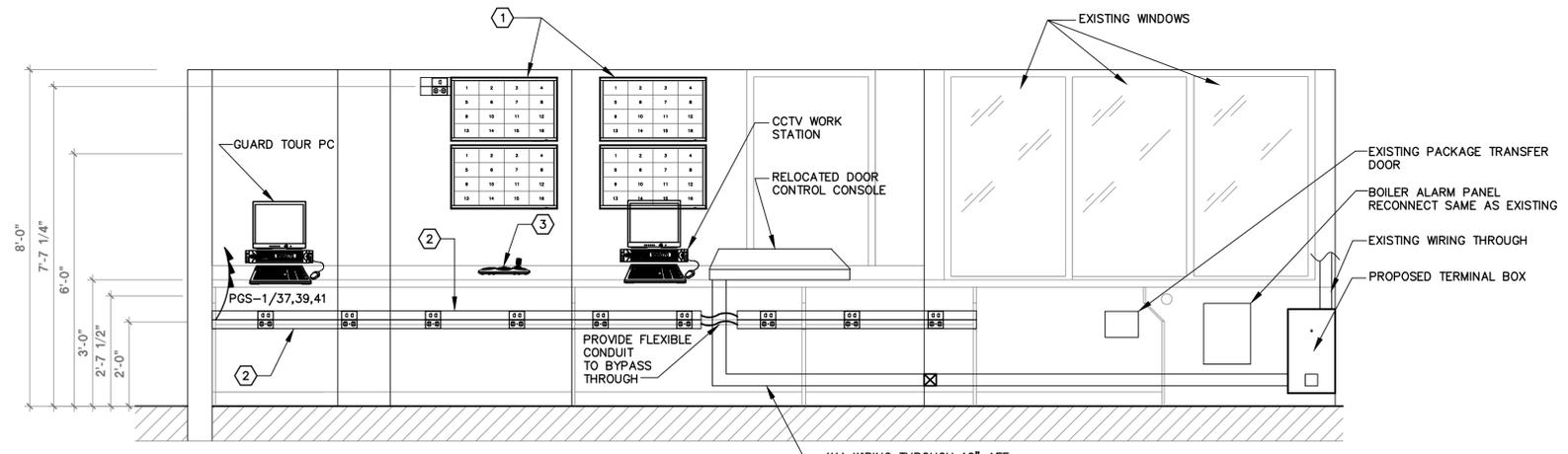
**MAIN FLOOR BUILDING 'A' PLAN**  
SCALE: 1/4" = 1'-0"

**MAIN FLOOR BUILDING 'B' PLAN**  
SCALE: 1/4" = 1'-0"

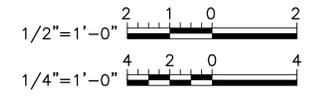


**KEY PLAN**  
SCALE: N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	2ND FLOOR
FIRST FLOOR	1ST FLOOR
MAIN FLOOR	MAIN FLOOR
BASEMENT	BASEMENT
BUILDING 'A'	
BUILDING 'B'	



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



**PROJECT KEY NOTES:**

- 1) TIS TO PROVIDE (4) 32" PELCO SERIES FLAT PANEL LCD MONITORS AND LCD WALL MOUNT ARMS. EXACT INSTALLATION HEIGHT SHALL BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
- 2) E.C. TO PROVIDE DUAL CHANNEL SURFACE MOUNTED STEEL RACEWAY SYSTEM FOR POWER AND DATA/VOICE CABLE DISTRIBUTION IN THE CSU AREA UNDER DESK. PROVIDE THREE (3) DEDICATED CIRCUITS: (6)#12, (1)#10G AND 3/4"C TO PANEL 'PGS-1'. WIREMOLD 4000 SERIES STEEL RACEWAY - COORDINATE OUTLET LOCATION WITH STEELCASE. PROVIDE WIREMOLD POWER/TELECOMMUNICATION COVER PLATES AND ACCESSORIES AS REQ'D (TYP.).
- 3) RELOCATED KEYBOARD CONTROL UNIT.
- 4) E.C. SHALL COORDINATE THIS PLAN WITH ARCHITECT'S PLANS, MILLWORK PLANS, AND FURNITURE VENDOR. NOTIFY THE ARCHITECT OF ALL DISCREPANCIES.
- 5) E.C. TO PROVIDE TEMPORARY DOOR CONTROL PANEL AS DETAILED ON SHEET E-204. E.C. SHALL PERFORM A PRE-TEST, AS WITNESSED BY THE DIRECTOR'S REPRESENTATIVE. PRIOR TO CONDUCTING ANY WORK ON THE EXISTING DOOR CONTROL CONSOLE.
- 6) PELCO WORK STATION AND DECODER
- 7) WATCH TOUR PC LOCATION. E.C. SHALL PROVIDE CONDUIT AND CAT 6 TO THE LOCAL NETWORK SWITCH. TIS TO PROVIDE ALL PROGRAMMING, SUPPORT EQUIPMENT (TO INCLUDE AN EVENT PRINTER), FINAL TERMINATIONS AND TESTING. PC IS EXISTING, COORDINATE WITH THE DIRECTOR'S REPRESENTATIVE FOR TURN-OVER.
- 8) E.C. TO RELOCATE THE BOILER ALARM PANEL AND PROVIDE TERMINAL BOX AND ALL WORK NECESSARY, TO INCLUDE MATERIAL, TO ACCOMPLISH BOTH TASKS.
- 9) E.C. TO RELOCATE THE EXISTING INTERCOM MASTER STATION. PROVIDE NECESSARY CAT 6, CONDUIT AND WALL JACK.



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**CONTRACT:**

**ELECTRICAL**

**TITLE:** PROVIDE CCTV SECURITY SYSTEM

**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	

**ELECTRICAL MAIN FLOOR CSU PLAN**

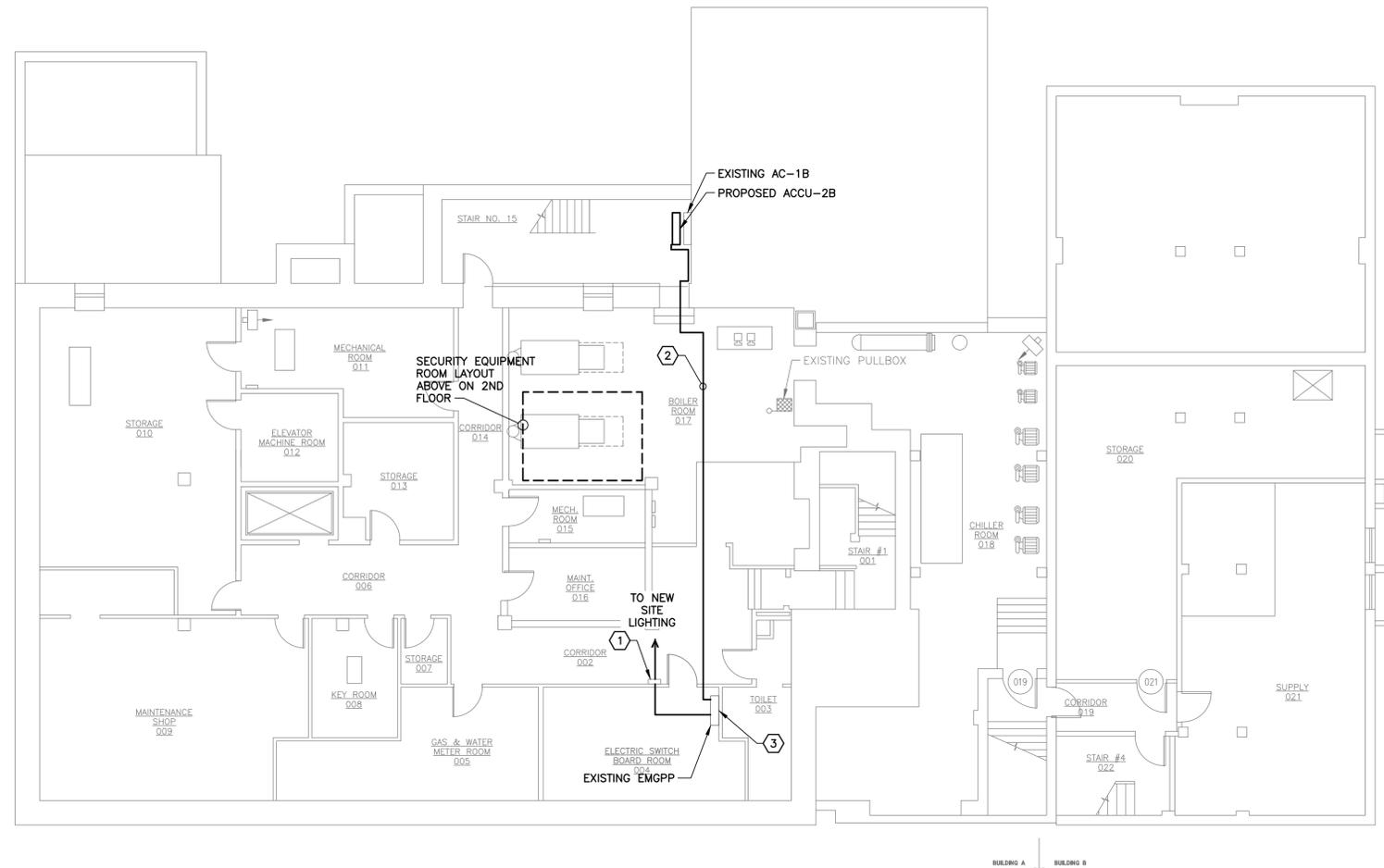
DRAWING NUMBER:  
**E-101A**



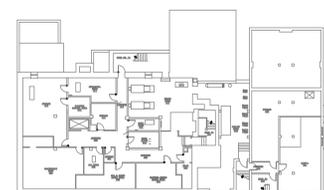


**PROJECT KEY NOTES:**

- ① EXISTING SITE LIGHTING CONTACTOR, PROVIDE (2) #10, (1)#10G, 3/4" C FROM THE EXISTING PANELBOARD 'EMGPP' TO LIGHTING CONTACTOR. PROVIDE (2) #10, (1)#10G, 3/4" C BETWEEN LIGHTING CONTACTOR AND SITE LIGHTING.
- ② PROVIDE (2)#8, (1)#10G IN 3/4" C FOR POWER TO CONDENSING UNIT. FIELD CONFIRM CONDUIT ROUTING.
- ③ USE EXISTING 40A SPARE BREAKER FOR FEED TO OUTDOOR UNIT



**BASEMENT FLOOR PLAN:**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	ROOF
SECOND FLOOR	2ND FLOOR
FIRST FLOOR	1ST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	MAIN FLOOR
	BASEMENT
BUILDING 'A'	BUILDING 'B'



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**CONTRACT: ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200


1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	

**SHEET TITLE: ELECTRICAL BASEMENT FLOOR PLAN**

DRAWING NUMBER: **E-100**



**GENERAL NOTES**

- ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHERE POSSIBLE BUT MAY BE DISTORTED FOR CLARITY. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY BENDS, OFFSETS AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF ELECTRICAL CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, RESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.
- THE ELECTRICAL CONTRACTOR SHALL EXAMINE ALL CONTRACT DRAWINGS AND COOPERATE WITH ALL OTHER CONTRACTORS PROVIDING LABOR, MATERIALS AND ALL WORK, SO THAT THE WORK AS A WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY. VERIFY WITH OTHER TRADES THE LOCATIONS OF MOTORS, EQUIPMENT, VOLTAGE AND PHASE, BEFORE COMMENCING ANY WORK. WORK INSTALLED IMPROPERLY DUE TO NON-COORDINATION SHALL BE CHANGED BY THE ELECTRICAL CONTRACTOR AT HIS OWN EXPENSE.
- ALL INSTRUMENTS, APPARATUS AND EQUIPMENT SHALL BE TESTED AND PROVED TO BE ELECTRICALLY AND MECHANICALLY WITHOUT DEFECTS. THE ELECTRICAL SYSTEM SHALL BE TESTED FOR GROUNDS OR SHORTS. IF THERE IS TROUBLE WITHIN THE CIRCUIT WIRING, ALL SHORTED OR GROUNDED WIRES SHALL BE REPLACED AND THEN RETESTED. ALL METERS, CABLES, EQUIPMENT OR APPARATUS NECESSARY FOR MAKING ALL TESTS SHALL BE PROVIDED BY THIS CONTRACTOR.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, STORING, SETTING IN PLACE, AND PROTECTING FROM DAMAGE, VANDALISM, THEFT OR WEATHER DURING CONSTRUCTION FOR ALL NEW EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR OR PROVIDED BY OTHER PARTIES TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.
- NO HOLES OR RECESSES MAY BE CUT IN WALLS, FLOORS, CEILINGS, OR ANY PART OF THE BUILDING TO ADMIT CONDUIT OR OTHER WORK OF THIS CONTRACT WITHOUT PRIOR SUBMISSION TO AND REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. WORK SHALL BE PERFORMED BY COMPETENT PERSONS SKILLED IN THIS FIELD IN A NEAT AND CRAFTSMAN LIKE MANNER. ANY CUTTING, DRILLING, CORING, ETC. SHALL BE DONE WET TO MINIMIZE THE SPREAD OF DUST. PROVIDE DUST PROTECTION AS APPROVED BY OWNER'S REPRESENTATIVE. THE PORTIONS CUT MUST BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS FOR ALL CUTTING AND PATCHING REQUIRED FOR THE ELECTRICAL WORK IN THE BID. EXACT LOCATION OF CONDUIT PENETRATION(S) SHALL BE DETERMINED IN FIELD. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF ROUGH OR FINISH WORK REQUIRED BY ELECTRICAL INSTALLATIONS. PATCHING SHALL BE OF THE SAME MATERIAL, FINISH, AND WORKMANSHIP AS THE ORIGINAL WORK.
- WHERE NOTED AND AS REQUIRED BY APPLICABLE CODES. ALL LOW TENSION CONDUIT, FIRE ALARM CONDUIT, ETC. WHICH HAVE RUNS IN EXCESS OF 100 FEET IN LENGTH AND/OR CONSTRAINING BENDS IN EXCESS OF 270 DEGREES SHALL BE PROVIDED WITH A PULLBOX. ALL PULL BOXES SHALL BE LABELED FOR THEIR INTENDED USE OR VOLTAGE LEVEL, AND ALL WIRE AND CABLE PROVIDED UNDER THIS SECTION SHALL BE TAGGED AT ALL PULL BOXES. PROVIDE TAMPER PROOF ACCESS DOORS WHERE REQUIRED. COORDINATE WITH GENERAL CONSTRUCTION WORK.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES, SWITCHES, WALL OUTLETS, ETC. SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS.
- ALL MATERIAL INSTALLED UNDER THIS SECTION OF THE WORK SHALL BE CLEANED OF GREASE, OIL, PLASTER, DIRT/DUST AND THE LIKE. ALL GREASE AND OIL SHALL BE CLEANED FROM FLOORS, CEILINGS, AND WALLS AND ALL UNUSED CONSTRUCTION MATERIAL AND DEBRIS SHALL BE REMOVED FROM THE SITE.
- ELECTRICAL CONTRACTOR SHALL INSTALL SIZE OF CONDUIT SHOWN ON PLANS AND SHALL NOT REDUCE SIZING OF CONDUITS TO SUIT WIRE FILL CAPACITY.
- ALL CONDUIT USED FOR THIS PROJECT SHALL BE 3/4" MINIMUM.
- ALL SUSPENDED CONDUITS SHALL BE RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE BY MEANS OF APPROVED CONDUIT FASTENERS, HANGERS, STRAPS, SUPPORTS, CLAMPS, ETC., FIRMLY ANCHORED IN PLACE AND SPACED AT INTERVALS NOT TO EXCEED 10'-0".
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL RODS, ANGLES, RAILS, STRUTS, BRACE PLATES, PLATFORMS, ETC., REQUIRED FOR SUSPENSION OR SUPPORT OF CONDUIT AND EQUIPMENT AND ALL STRAPS, CLAMPS, THREADED RODS, TURNBUCKLES, ANCHORS, ETC. AND MISCELLANEOUS SPECIALTIES REQUIRED FOR THE ATTACHMENT OF HANGERS AND SUPPORTS TO THE STRUCTURE. ALL CONDUIT, FASTENERS, STRAPS, SUPPORTS SHALL BE BOLT-ON GALVANIZED STEEL ON EXPOSED CONSTRUCTION AND IN WET AREAS. SNAP-ON METAL "CADDY" CLIPS IN METAL PARTITION WALLS AND INDEPENDENTLY SUPPORTED ABOVE THE SUSPENDED CEILINGS WILL BE PERMITTED. ALL DEVICES/EQUIPMENT UTILIZED FOR THE SUPPORT OF CONDUIT SHALL BE UL LISTED FOR THE USE.
- IDENTIFY EACH INDIVIDUALLY MOUNTED CAMERA STATION, PANELBOARD WITH A NAMEPLATE BEARING THE DESCRIPTION AND TAG OF THE EQUIPMENT CONTROLLED.
- ELECTRICAL CONTRACTOR SHALL VERIFY PHASE LOAD BALANCING ON POWER PANELS UPON COMPLETION OF THE ELECTRICAL INSTALLATION.
- ALL CONDUIT AND CABLE HOME RUNS SHALL CONSIST OF THREE CIRCUITS MAXIMUM TO THE PANELBOARD, UNLESS OTHERWISE NOTED. COMBINING OF MULTIPLE HOME RUNS IN A SINGLE CONDUIT SHALL NOT BE PERMITTED.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MODIFICATION TO THE EXISTING FIRE ALARM SYSTEM, FIRE ALARM DEVICES AND ASSOCIATED CABLING.
- HORSEPOWER RATED SWITCHES SHALL BE USED FOR ALL MOTOR CIRCUITS. ELECTRICAL CONTRACTOR SHALL INSTALL WHERE APPLICABLE TOGGLE SWITCHES FOR USE AS DISCONNECT. THESE SWITCHES SHALL BE "T" RATED FOR RESISTANCE LOADS AND "M" RATED FOR MOTOR LOADS.
- CLEAR SPACE ABOVE CEILING ACCESS DOORS. NO CONDUITS ARE ALLOWED TO RUN OVER ACCESS DOORS.
- A SEPARATE NEUTRAL WIRE SHALL BE INSTALLED FOR EACH 120V BRANCH CIRCUIT FOR ALL RECEPTACLES AND COMPUTER CIRCUITS.
- COORDINATE FINAL LOCATION OF ALL ELECTRICAL APPURTENANCES SERVING HVAC EQUIPMENT WITH "H" CONTRACTOR AND DRAWINGS.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE CONDUIT, J-HOOKS, AND BACK BOX INFRASTRUCTURE REQUIRED FOR ALL ACCESS CONTROL AND INTERCOM DEVICES EQUIPMENT.
- PROVIDE FIRESTOPPING TO ALL WALL, CEILING AND FLOOR PENETRATIONS.
- ALL FASTNERS ON THIS PROJECT SHALL BE TORQUE, CENTER PIN REJECTION TYPE.
- ALL WORK SHOW ON THESE DRAWINGS (TO INCLUDE DE & FA) SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR (E.C.) UNLESS OTHER WISE NOTED.

**SECURITY SYMBOLS**

- INTERNET PROTOCOL (IP) CAMERA STATION. P = PAN, T = TILT, Z = ZOOM. CONE SHOWS RELATIVE VIEWING ANGLE AND IDEAL CLARITY DISTANCE.
- CAMERA TAG: 'CS' = CAMERA STATION.
- EXISTING ANALOG CAMERA (PHASE 1 AND PHASE 2 WORK)
- ELECTROMAGNETIC DOOR RELEASE/MAGNETIC LOCK
- ELECTRIFIED LEVER HANDLED LOCKSET W/ BUILT-IN REX SWITCH
- DOOR POSITION SWITCH
- INTERCOM STATION: M=MASTER STATION
- INTERCOM STATION: D=DOOR STATION
- DOOR POSITION SWITCH
- EXISTING INTERCOM DOOR/GATE STATION
- WATCHMAN'S GUARD TOUR STATION
- EXISTING ELECTROMAGNETIC DOOR RELEASE/MAGNETIC LOCK TO BE REMOVED

**FIRE ALARM SYMBOLS**

- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM MULTI CANDELA COMBINATION SPEAKER AND STROBE 'S'=SPEAKER
- WALL FIRE ALARM STROBE.
- EXISTING FIRE ALARM CONTROL PANEL
- FIRE ALARM REMOTE SPACE SMOKE DETECTOR
- EXISTING FIRE ALARM SMOKE TO BE DISCONNECTED AND RELOCATED. SEE DE-100 PLAN FOR DEVICES LOCATIONS (TYP. FOR ALL FA DEVICES)
- EXISTING FIRE ALARM DEVICE TO REMAIN.
- EXISTING FIRE ALARM DEVICE TO BE RELOCATED AS REQUIRED

**ABBREVIATIONS**

- A AMPS
- AC ALTERNATING CURRENT
- AFF ABOVE FINISHED FLOOR
- AC-1 AIR CONDITIONER UNIT #1
- ARCH ARCHITECTURAL
- AWG AMERICAN WIRE GAUGE
- BLDG BUILDING
- C CONDUIT
- C/B, CB CIRCUIT BREAKER
- C/C CENTER TO CENTER
- CKT CIRCUIT
- DPB DISTRIBUTION PANEL BOARD
- DWG DRAWING
- EC EMPTY CONDUIT
- E.C. ELECTRICAL CONTRACTOR
- ELEC ELECTRIC
- EX EXISTING
- FL FLOOR
- FT FEET
- F,Φ FUSED AT
- GND, G GROUND (INDICATES GREEN GROUND CONDUCTOR)
- HP HORSEPOWER
- HVAC HEATING VENTILATING AND AIR CONDITIONING
- IN, (") INCHES
- J JUNCTION BOX
- KVA KILOWATT AMPERES
- LTG LIGHTING
- M MAIN
- MECH MECHANICAL
- MISC MISCELLANEOUS
- N NEUTRAL
- NEC NATIONAL ELECTRIC CODE
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
- NL ON NIGHT LIGHT CIRCUIT
- P POLES
- P-1 CIRCULATION PUMP #1
- PH PHASE
- PNL PANEL
- REC RECEPTACLE
- RM ROOM
- RTU-1 ROOF TOP UNIT #1
- SPECS SPECIFICATIONS
- STD STANDARD
- TIS TYPICAL
- TYP UNLESS OTHERWISE NOTED
- UON VOLTS
- V VOLTS
- WATTS WATTS
- WP WEATHERPROOF
- Ø PHASE

**LEGEND**

**POWER SYMBOLS**

- 20A, 125V FLUSH OR SURFACE (LOCATION DEPENDENT) WALL-MOUNTED DUPLEX RECEPTACLE.
- 20A, 125V FLUSH OR SURFACE (LOCATION DEPENDENT) WALL-MOUNTED QUAD RECEPTACLE.
- 20A, 125V FLUSH OR SURFACE (LOCATION DEPENDENT) WALL-MOUNTED GENERAL PURPOSE DUPLEX RECEPTACLE: 'GF' = DENOTES GROUND FAULT INTERRUPTER
- 20A, 125V FLUSH OR SURFACE (LOCATION DEPENDENT) WALL-MOUNTED SINGLE RECEPTACLE:
- PLUG-IN SURFACE METAL RACEWAY, DUAL PLUG-IN (POWER/DATA/VOICE) 'A' = SPECIAL PURPOSE RECEPTACLE WHERE INDICATED
- SINGLE POLE GENERAL PROPOSE SWITCH  
2 = DOUBLE POLE SWITCH
- CONTROLLING LIGHT ZONE OR RECEPTACLE
- TIME CONTROLLED SWITCH
- KEY OPERATED SWITCH
- AUTOMATIC WALL SWITCH/OCCUPANCY SENSOR COMBINATION
- JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION.  
'C' = CEILING
- SURFACE MOUNTED ELECTRICAL PANEL
- EXISTING SURFACE MOUNTED ELECTRICAL PANEL
- RECESSED MOUNTED ELECTRICAL PANEL
- EXISTING RECESSED MOUNTED ELECTRICAL PANEL
- 100A 3P FUSED HORSEPOWER RATED, DISCONNECT SWITCH. HEAVY DUTY AS REQUIRED. PROVIDE SWITCH AMPERE, NUMBER OF POLES AND VOLTAGE RATING AS REQUIRED.
- 100A 3P UNFUSED HORSEPOWER RATED, DISCONNECT SWITCH. HEAVY DUTY AS REQUIRED. PROVIDE SWITCH AMPERE, NUMBER OF POLES, VOLTAGE RATING AS REQUIRED.
- MOTOR. NUMBER INDICATES HORSE POWER
- PULL BOX, SIZE AS REQUIRED
- HOMERUN CONCEALED IN WALLS OR CEILINGS. NUMERICAL INDICATES PANELBOARD AND CIRCUIT 2#12 AWG WIRES PER CIRCUIT (TYPICAL). PROVIDE GROUND AND NEUTRAL WIRE FOR EACH CIRCUIT. CONDUIT RUN UP
- CONDUIT RUN DOWN
- 2'x4' FLUORESCENT FIXTURE (IF DASHED = DEMO)
- 1'x4' FLUORESCENT FIXTURE (IF DASHED = DEMO)
- EXIST SIGNAGE (IF DASHED = DEMO)
- INCANDESCENT FIXTURE TO BE REMOVED AND DISPOSED OF
- FLUORESCENT FIXTURE WITH EMERGENCY BALLAST BATTERY PACK.

**VOICE/DATA/P.A. SYMBOLS**

- COMBINATION VOICE/DATA OUTLET.
- TELEPHONE OUTLET.
- DATA OUTLET.



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**CONTRACT:** ELECTRICAL

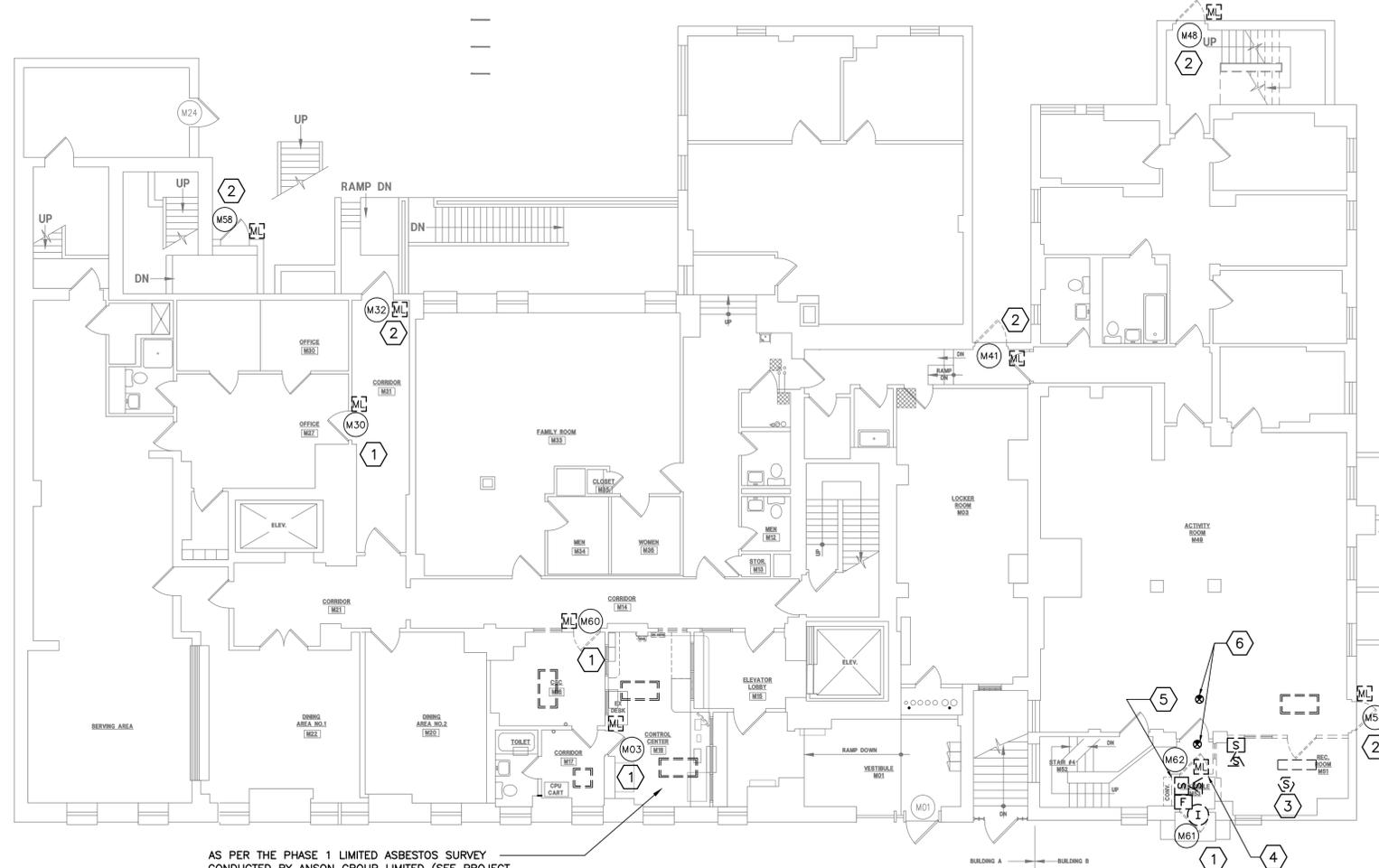
**TITLE:** PROVIDE CCTV SECURITY SYSTEM

**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

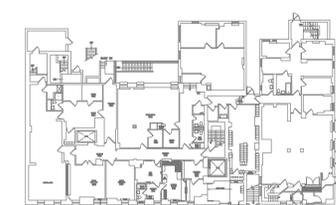
OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		
<b>GENERAL NOTES, LEGEND AND ABBREVIATIONS</b>		
DRAWING NUMBER:		
<b>E-001</b>		
SHEET	16	OF 35



AS PER THE PHASE 1 LIMITED ASBESTOS SURVEY CONDUCTED BY ANSON GROUP LIMITED (SEE PROJECT MANUAL APPENDIX FOR FULL REPORT), THE BLACK FLOOR TILE IN THIS AREA HAS BEEN DETERMINED TO CONTAIN ASBESTOS (8.8% CHEYSOTILE).

**MAIN FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	ROOF
FIRST FLOOR	2ND FLOOR
MAIN FLOOR	1ST FLOOR
BASEMENT	B1 FLOOR
	BASEMENT
BUILDING 'A'	BUILDING 'B'

**GENERAL DEMOLITION NOTES**

1. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. REFER TO ARCHITECTURAL DEMOLITION PLAN FOR EXACT LOCATION OF ALL WALLS AND CEILING TO BE REMOVED.
2. THE DEMOLITION NOTES REPRESENTS GENERAL DESCRIPTION OF THE DEMOLITION WORK. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS OF THE DEMOLITION PHASE BEFORE SUBMITTING HIS BID.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE BYPASS CIRCUITRY AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO ANY/AND ALL ELECTRICAL DEVICES THAT ARE EXISTING TO REMAIN (BASE BUILDING/RESIDENTIAL SPACE) AND/OR ARE AFFECTED BY DEMOLITION AND NEW WORK WITH INTERRUPTION OF ELECTRICAL POWER.
4. ALL ELECTRICAL EQUIPMENT THAT IS REMOVED AND NOT BEING REUSED SHALL BE TURNED OVER TO THE FACILITY. ANY DEVICES OR EQUIPMENT THAT THE FACILITY DOES NOT WISH TO RETAIN SHALL BE REMOVED FROM THE SITE BY THIS CONTRACTOR.
5. ANY EXISTING ELECTRICAL ITEMS AND/OR CONDUITS AND WIRES IN WALL/HUNG CEILING OR AREAS THAT ARE NOT BEING UTILIZED SHALL BE DISCONNECTED AND REMOVED.
6. THE BUILDING IS OCCUPIED AND SECURITY SYSTEM MUST REMAIN ACTIVE DURING DEMOLITION AND CONSTRUCTION.
7. ANY TELE/DATA WIRING LEFT BY DEMOLITION SHALL BE PULLED BACK TO ITS RESPECTIVE TELEPHONE BOARDS AND TELEPHONE/IT ROOM AND REMOVED FROM THE SYSTEM. COORDINATE WORK WITH BUILDING REPRESENTATIVE AND IT PERSONNEL.
8. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY LIGHTING, POWER AND ALL ELECTRICAL RELATED WORK DURING CONSTRUCTION. TEMPORARY POWER SHALL BE PROVIDED FROM THE EXISTING DISTRIBUTION BOARDS.
9. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
10. ANY SHUTDOWN OF ANY EXISTING BUILDING ELECTRICAL AND SECURITY SERVICES SHALL BE COORDINATED WITH THE OWNER. NOTIFY AND MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO ANY SHUTDOWN.

**DEMOLITION KEY NOTES:**

1. MAGLOCKS AND ASSOCIATED APPURTENANCES SHALL BE REMOVED TO INCLUDE WIRE/CABLING CONDUIT, SUPPORTS AND FASTENERS BACK TO THE POINT OF ORIGIN FOR DOORS M03, M30, M60, M61 AND M62. REMOVE DOOR CONTROL SWITCHES, DEVICES, INDICATOR LIGHTS AND PLACARDS ON DOOR CONTROL CONSOLE. USE NEWLY AVAILABLE SPACE FOR NEW DOOR OR, PROVIDE A STAINLESS STEEL BLANK PLATE TO COVER ALL CONSOLE PENETRATIONS. PATCH AND PAINT AFFECTED AREA TO MATCH EXISTING SURFACE.
2. MAGLOCKS AND ASSOCIATED APPURTENANCE SHALL BE REMOVED AND AFFECTED AREA PATCHED AND PAINTED TO MATCH EXISTING SURFACE. USE EXISTING CONDUIT, JUNCTION BOXES, CABLING AND SUPPORT DEVICES WHERE POSSIBLE FOR THE NEW LOCKING DEVICES FOR DOORS M32, M41, M48, M54 AND M58.
3. FIRE ALARM DEVICES TO BE RELOCATED SEE DWG FA-101 FOR NEW LOCATIONS (TYP).
4. EXISTING LIGHT, LIGHT SWITCH AND KEY SWITCH SHALL BE REMOVED AND DISPOSED OF. REMOVE ALL CABLING AND CONDUIT BACK TO THE POINT OF ORIGIN.
5. EXISTING EMERGENCY WALL PACK TO BE REMOVED AND TURNED OVER TO THE DIRECTOR'S REPRESENTATIVE. REMOVE ALL CABLE AND CONDUIT BACK TO THE POINT OF ORIGIN.
6. EXISTING EMERGENCY SIGNS TO BE REMOVED AND TURNED OVER TO THE DIRECTOR'S REPRESENTATIVE. REMOVE ALL CABLE AND CONDUIT BACK TO THE POINT OF ORIGIN.



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CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200


1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		

**ELECTRICAL DEMOLITION MAIN LEVEL PLAN**

DRAWING NUMBER: **DE-100**











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1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
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DRAWN BY:	EAO	
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SHEET TITLE:	SECURITY EQUIPMENT RACK	

PROJECT NUMBER:	43961-E	
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DRAWN BY:	EAO	
FIELD CHECK:		
APPROVED:	ERS	
SHEET TITLE:	SECURITY EQUIPMENT RACK	

**SECURITY EQUIPMENT RACK**

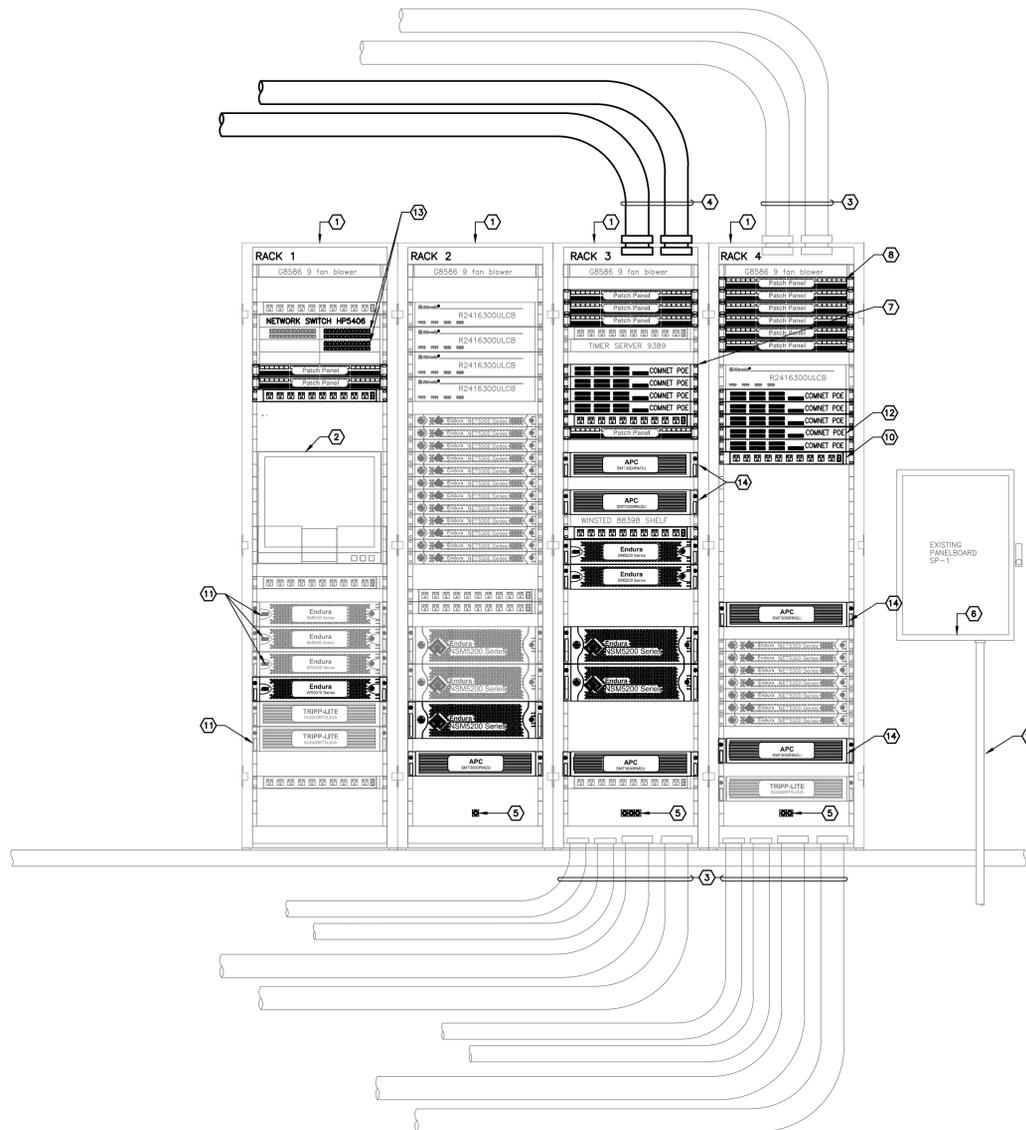
DRAWING NUMBER: E-300

**PROJECT KEY NOTES:**

- EXISTING SECURITY EQUIPMENT RACKS.
- EXISTING SECURITY EQUIPMENT TO BE MODIFIED AND REPROGRAMMED BY TIS TO ACCOMMODATE ADDITIONAL SECURITY EQUIPMENT. ELECTRICAL CONTRACTOR TO COORDINATE WORK WITH TIS PRIOR TO ANY ELECTRICAL WORK INSTALLATION.
- EXISTING CONDUIT WITH EXISTING VIDEO AND POWER WIRING FROM EACH CAMERA STATION. UTILIZE EXISTING CONDUIT FOR ADDITIONAL WIRING. E.C. TO PROVIDE ADDITIONAL CONDUIT AS NEEDED TO ACCOMMODATE ALL CAMERA'S WIRING.
- E.C. TO PROVIDE (2)-4" CONDUIT MINIMUM. UTILIZE CONDUIT FOR VIDEO/POWER WIRING FROM EACH CAMERA STATION PULL BOXES TO THE SECURITY EQUIPMENT CABINETS. PROVIDE ADDITIONAL CONDUIT AS REQUIRED TO ACCOMMODATE ALL CAMERA'S AND SECURITY WIRING. SUBMIT CONDUIT ROUTING SIZE AND FILL CALCULATIONS TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL.
- E.C. TO PROVIDE INDIVIDUAL 30A, 1 PHASE BRANCH CIRCUIT FROM PANEL SP1 TO FEED EACH APC UPS. PROVIDE VERTICALLY MOUNTED RECEPTABLES AT THE BOTTOM OF THE RACK. RECEPTACLE SHALL BE L5-30R.
- UTILIZE EXISTING PANELBOARD FOR ADDITIONAL REQUIRED CIRCUITS. E.C. TO PROVIDE CABLE, CONDUIT AND CIRCUIT BREAKERS AS NECESSARY. MATCH CIRCUIT BREAKER KAIC RATING WITH EXISTING BREAKERS. SUBMIT PROPOSED SP-1 MODIFICATION TO THE DIRECTOR'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
- POWER OVER ETHERNET (POE) SWITCH FOR IP CAMERAS PROVIDED BY TIS.
- (24) POSITION, 1 RU, RACK MOUNTED PATCH PANEL PROVIDED BY E.C.
- TIS SHALL MIGRATE THE EXISTING SYSTEM WITH THE NEWLY INSTALLED SYSTEM ONCE THE NEW SYSTEM HAS BEEN SATISFACTORY ACCEPTED BY THE FACILITY DIRECTOR. ONCE MIGRATED, (2) SM5000 MODULES AND (1) WS5060 CAN BE PERMANENTLY REMOVED.
- TIS TO PROVIDE WINDSTED RACK MOUNTED (12) RECEPTACLE POWER STRIPS. STRIPS TO CONNECT TO RACK MOUNTED UPS FOR RACK DISTRIBUTION.
- TIS TO RE-ROUTE (1) TRIPPLITE UPS POWER DISTRIBUTION TO RECEPTACLE POWER STRIPS IN RACK #2.
- TIS TO PROVIDE COMNET ONGZBFX4TX24MS (24) PORT 10/100/1000 BASE, POE NETWORK SWITCH AND PATCH CABLES FROM THE PATCH PANELS TO THE NEW SWITCHES.
- TIS TO PROVIDE TO (2) 24 PORT HP NETWORK SWITCH MODULES IN THE EXISTING HP5400 SERIES CHASSIS AND ASSOCIATED PATCH CABLES FROM THE PATCH PANEL.
- APC SMT3000RM2U, 3000VA UPS MODULE
- REMOVE EXISTING #4 AWG FEEDERS FROM PANEL EMGP AND PROVIDE 4#2, 1#26 IN EXIST CONDUIT.

**GENERAL NOTES:**

- THE SECURITY EQUIPMENT, CABINETS AND CONDUIT SHOWN IS FOR REFERENCE ONLY. THE E.C. AND TIS MUST ADJUST IN WHOLE OR PART AS REQUIRED TO ACCOMMODATE EQUIPMENT, CONDUIT AND WIRING INSTALLATION.
- PROVIDE GROUNDING AND BONDING SYSTEM TO ANY METALLIC COMPONENTS THAT IS PART OF THE SECURITY ROOM INFRASTRUCTURE. SUCH AS EQUIPMENT RACKS, UPS SYSTEM, ENCLOSURES, ETC. BONDING #6 CONDUCTORS SHALL BE RUN WITHOUT SPLICES WHEREVER POSSIBLE. ANY SPLICES MUST BE MADE WITH NON-REVERSIBLE COMPRESSION CONNECTIONS OR CADWELD.
- PATCH AND FIREPROOF ALL CONDUIT WALL, CEILING AND FLOOR PENETRATIONS (TYP. FOR ALL).
- UPS POWER SUPPLIES CAN BE SHARED BETWEEN ADJACENT RACKS.
- DUE TO PHASED WIRE MANAGEMENT PRACTICES, THE RACK LAYOUT SHOWN CAN BE MODIFIED IF NECESSARY. TIS AND E.C. SHALL COORDINATE FINAL RACK LAYOUT PLAN AND SUBMIT THE RESPECTIVE LAYOUT TO THE DIRECTOR'S REPRESENTATIVE FOR REVIEW.



**SECURITY ROOM EQUIPMENT RACK**  
SCALE: NONE

PANELBOARD		SP1(EXISTING)			LOCATION:		SECURITY EQUIPMENT CLOSET			
CHARACTERISTICS:		VOLTS: 120/208			PHASE: 3# 4W		NEUTRAL: 100%			
MAIN PROTECTIVE DEVICE: 100					CYCLES: 60		DOOR/LOCK REQ'D: YES			
MAIN BUS SIZE: 125A							MOUNTING: SURFACE			
							NO. OF POLES: 36			
CKT. NO.	DESIGNATION	WIRE SIZE	CKT. BKR	LOAD (KVA)			CKT. BKR	WIRE SIZE	DESIGNATION	CKT. NO.
				A	B	C				
1*	UPS RACK #2	10 30	30	1.9	3.0		20	12	EXIST. UPS - EQUIPMENT RACK	2
3*	UPS RACK #3	10 30	30	1.9	3.0		20	12	EXIST. UPS - EQUIPMENT RACK	4
5*	UPS RACK #3	10 30	30	1.9	3.0	1.9	20	12	EXIST. UPS - EQUIPMENT RACK	6
7*	UPS RACK #4	10 30	30	1.9	3.0		20	12	EXIST. UPS - EQUIPMENT RACK	8
9*	UPS RACK #4	10 30	30	1.9	3.0	1.5	20	-	SPARE	10
11	SPARE	-	30	-	-	-	20	-	SPARE	12
13	SPARE	-	30	-	-	-	20	-	SPARE	14
15	SPARE	-	30	-	-	-	20	-	SPARE	16
17	SPARE	-	20	-	-	-	20	-	SPARE	18
19		8	40	2.5	-	-	-	-	SPACE	20
21	EXIST AC UNIT	8	40	-	2.5	1.9	20	12	INDOOR UNIT	22
23		8	40	-	-	2.5	1.5	20	12	24
25	SPACE	-	-	-	-	-	-	-	SPACE	26
27	SPACE	-	-	-	-	-	-	-	SPACE	28
29	SPACE	-	-	-	-	-	-	-	SPACE	30
31	SPACE	-	-	-	-	-	-	-	SPACE	32
33	SPACE	-	-	-	-	-	-	-	SPACE	34
35	SPACE	-	-	-	-	-	-	-	SPACE	36
TOTAL KVA PER PHASE				11.8	13.5	8.9	TOTAL LOAD		30KVA	
REMARKS:										
* REPLACE EXISTING CIRCUIT BREAKER WITH 30-1P BREAKER      Δ PROVIDE 2P CB IN EXISTING SPACE										

PANELBOARD		EMGPP (EXISTING)			LOCATION:		SECURITY EQUIPMENT CLOSET			
CHARACTERISTICS:		VOLTS: 120/208			PHASE: 3# 4W		NEUTRAL: 100%			
MAIN PROTECTIVE DEVICE: 600					CYCLES: 60		DOOR/LOCK REQ'D: YES			
MAIN BUS SIZE: 600A							MOUNTING: SURFACE			
							NO. OF POLES: 42			
CKT. NO.	DESIGNATION	WIRE SIZE	CKT. BKR	LOAD (KVA)			CKT. BKR	WIRE SIZE	DESIGNATION	CKT. NO.
				A	B	C				
1		-	-	-	-	-	-	-		2
3	ACCU-2B	40	-	-	-	-	20	-	SPARE	4
5		-	-	-	-	-	-	-		6
7		-	-	-	-	-	-	-		8
9	FIRE ALARM (EXIST)	30	-	-	-	-	20	-	OUTSIDE LIGHTING (EXIST)	10
11		-	-	-	-	-	-	-		12
13		-	-	-	-	-	-	-		14
15	BOILER (EXIST)	XX	-	-	-	-	XX	-	PANEL EP (EXIST)	16
17		-	-	-	-	-	-	-		18
19		-	-	-	-	-	-	-		20
21	PANEL EM2 (EXIST)	60	-	-	-	-	60	-	PANEL EM (EXIST)	22
23		-	-	-	-	-	-	-		24
25		-	-	-	-	-	-	-		26
27	PANEL EM3 (EXIST)	30	-	-	-	-	60	-	SPARE	28
29		-	-	-	-	-	-	-		30
31		-	-	-	-	-	-	-		32
33	ELEVATOR (EXIST)	100	-	-	-	-	100	-	PANEL SP1	34
35		-	-	-	-	-	-	-		36
37		-	-	-	-	-	-	-		38
39	PANEL EMGPP (EXIST)	XX	-	-	-	-	100	-	PANEL PGS-1 (EXIST)	40
41		-	-	-	-	-	-	-		42
TOTAL KVA PER PHASE				-	-	-	TOTAL LOAD		25KVA	
REMARKS:										
* USE EXISTING SPARE FOR FEED TO NEW ACCU-2B      Δ PROVIDE NEW 100A CB IN EXISTING SPACE. MAKE EXISTING FEEDER BREAKER TO SP1 A SPARE										



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CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

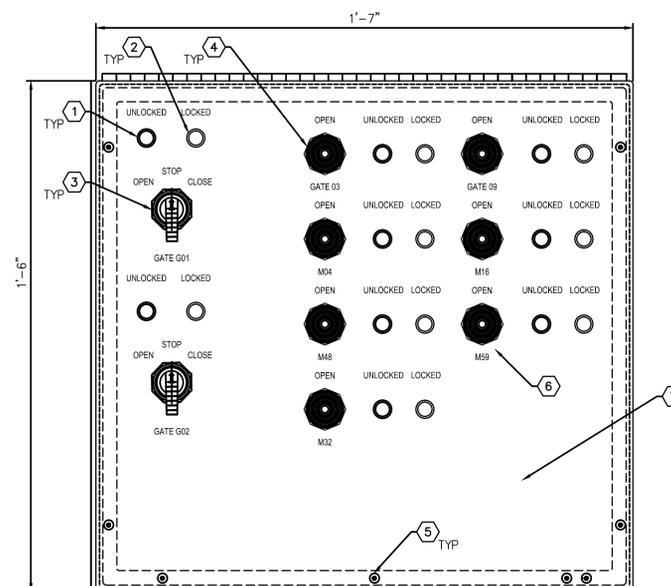
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	ERS	
DRAWN BY:	EAO	
FIELD CHECK:		
APPROVED:	ERS	
SHEET TITLE:	<b>DOOR CONTROL AND SCHEDULE</b>	
DRAWING NUMBER:	<b>E-203</b>	

SHEET 30 OF 35



**TEMPORARY CONTROL CONSOLE PANEL**  
SCALE: NTS

DOOR/GATE #	FLOOR	BUILDING	LOCATION DESCRIPTION
G-01	YARD	EXTERIOR	EXT. JEFFERSON - SLIDING GATE
G-02	YARD	EXTERIOR	EXT. SALLYPORT - SLIDING GATE
G-03	YARD	EXTERIOR	EXT. SALLYPORT - MAN GATE
G-09	YARD	EXTERIOR	EXT. SALLYPORT - MAN GATE
013	BASEMENT	A	EXT. BSMT PUTN YD
019	BASEMENT	B	EXT BSMT BOILER
020	BASEMENT	B	BSMT BLDG SW STAIRWELL
M58	MAIN	A	EXT MAIN NE STAIR
M32	MAIN	A	EXT MAIN PUTN YD
M54	MAIN	A	EXT MAIN ACTIV RM - (NOT WIRED)
M48	MAIN	A	EXT MAIN SE STAIR
M41	MAIN	A	EXT MAIN ALLEY
M01	MAIN	A	EXT MAIN ENTRY
M59	MAIN	A	MAIN VEST
M16	MAIN	A	MAIN ELEV LOBBY/CORRIDOR
112	FIRST	A	EXT 1 MED
R01	ROOF	B	EXT. ROOF SE STAIR
R02	ROOF	B	EXT. ROOF SW STAIR
R13	ROOF	A	EXT 5 ROOF-N
229	SECOND	A	2 NE STAIR
329	THIRD	A	3 NE STAIR
434	FOURTH	A	4 NE STAIR
R06	ROOF	A	EXT. 5 ROOF, S

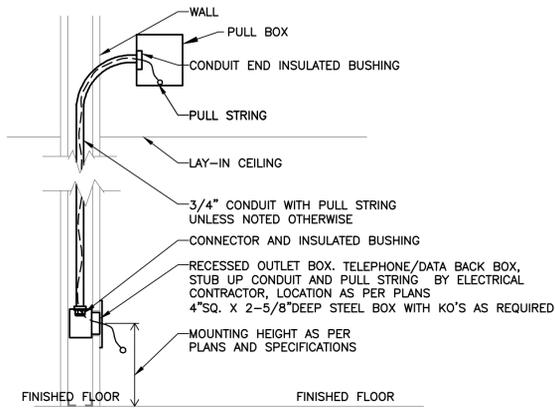
**FINAL DOOR CONTROL CONSOLE SCHEDULE**

**DOOR CONTROL CONSOLE NOTES:**

- E.C. SHALL VERIFY EXISTING WIRING FOR SLIDE GATE CONTROLS AND FOR DOOR CONTROLS AND PROVIDE TEMPORARY CONSOLE FOR CONTROL OF DESIGNATED GATES AND DOOR. PROVIDE TEMPORARY WIRING TO KEEP DESIGNATED DOORS OPERATIONAL DURING THE RELOCATION OF THE EXISTING DOOR CONTROL CONSOLE.
- CONSOLE SHALL BE INSTALLED IN CSU WHERE NOTED ON DWGS.
- FACEPLATE AND BASE MATERIAL TO BE UL RATED
- PROVIDE LEGEND PLATES AS INDICATED ON DRAWING.
- SECURE CONSOLE TO COUNTER TOP WITH 5/16" CARRIAGE BOLTS, WASHERS AND SELF LOCKING NUTS.
- E.C. TO PROVIDE A POINT-TO-POINT WIRING DIAGRAM FOR DIRECTOR'S REPRESENTATIVE REVIEW

**DOOR CONTROL CONSOLE KEY NOTES:**

- INDICATOR LIGHT - RED.
- INDICATOR LIGHT - GREEN.
- 3-POSITION SWITCH.
- MOMENTARY CONTACT PUSHBUTTON.
- PROVIDE TAMPER PROOF "TORX CENTER PIN SCREWS" FOR ALL EXPOSED FASTENING HARDWARE ON CONTROL PANELS. (COVER SCREWS 1/4"-20, DEVICE MOUNTING SCREWS ETC.)
- DOOR AND GATE NUMBER SHOWN ON DIAGRAM REFLECT ACTUAL DOOR AND GATE TO BE TEMPORARILY CONTROLLED.
- ENCLOSURE TYPE AND MATERIAL SHALL BE UL RATED. SUBMIT PROPOSED ENCLOSURE PLAN TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL.

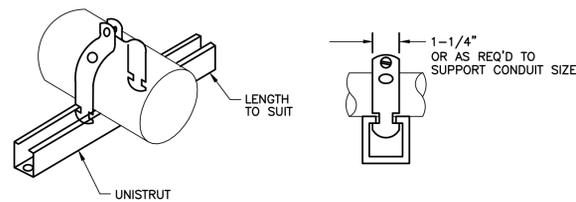


**NOTES:**

1. THE ABOVE DETAIL SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL ADJUST IN WHOLE OR PART AS REQUIRED TO ACCOMMODATE MILLWORK AND FIELD CONDITIONS
2. ALL CONDUIT STUB UPS FOR VOICE, DATA, SECURITY EQUIPMENT SHALL HAVE A 90 DEGREE BEND 18\"/>

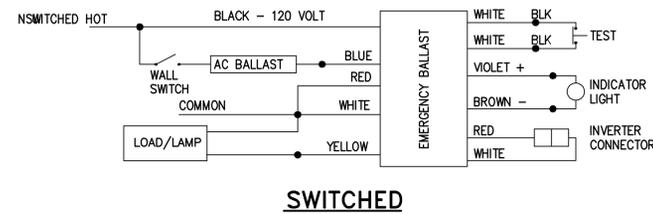
**1 TYPICAL RECESSED STUB-UP**

E-202 SCALE: NONE

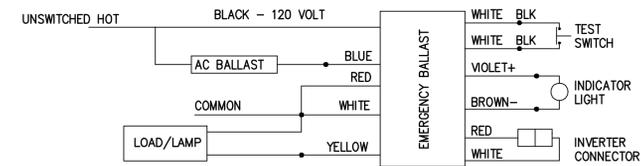


**3 TYPICAL CONDUIT SUPPORT DETAIL**

E-202 SCALE: NONE



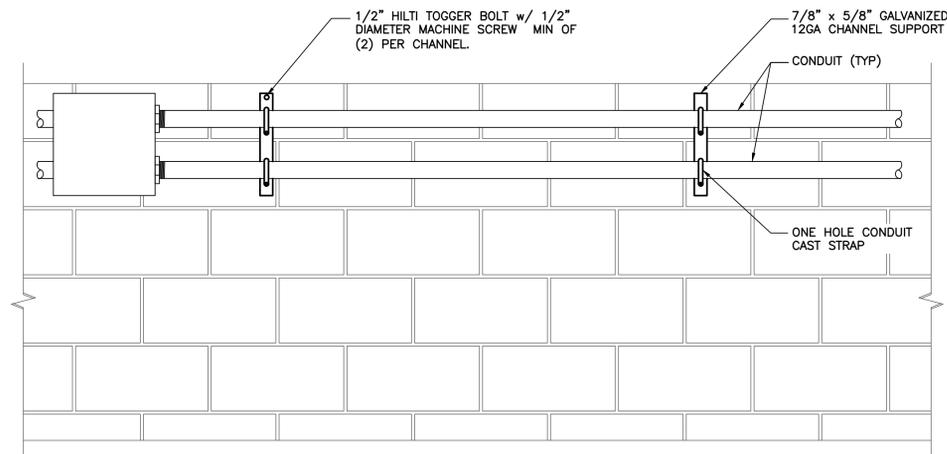
**SWITCHED**



**UNSWITCHED**

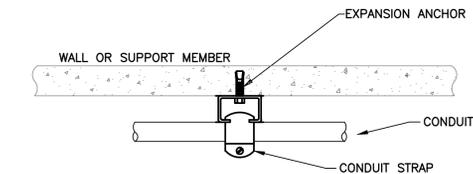
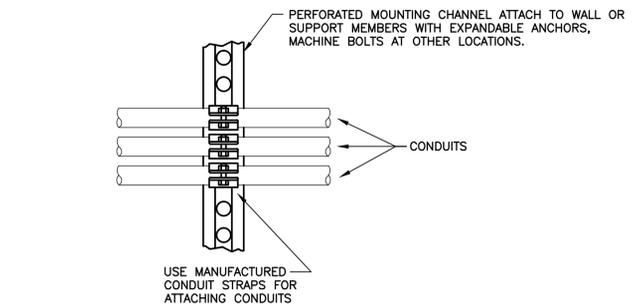
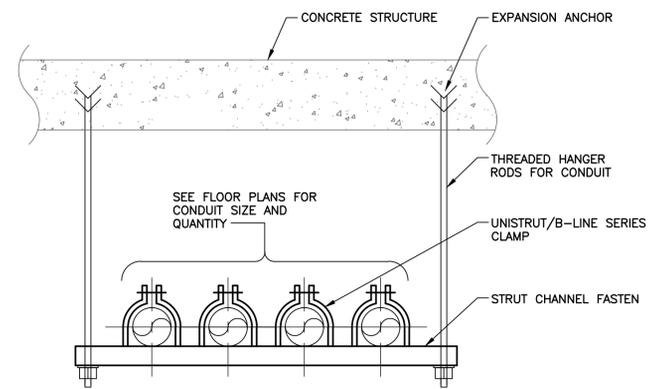
**2 WIRING DIAGRAM FOR LIGHTING FIXTURES WITH EMERGENCY POWER PACK**

SCALE: NONE



**4 TYPICAL BUILDING CONDUIT SUPPORT DETAIL**

E-202 SCALE: NONE



**NOTES:**

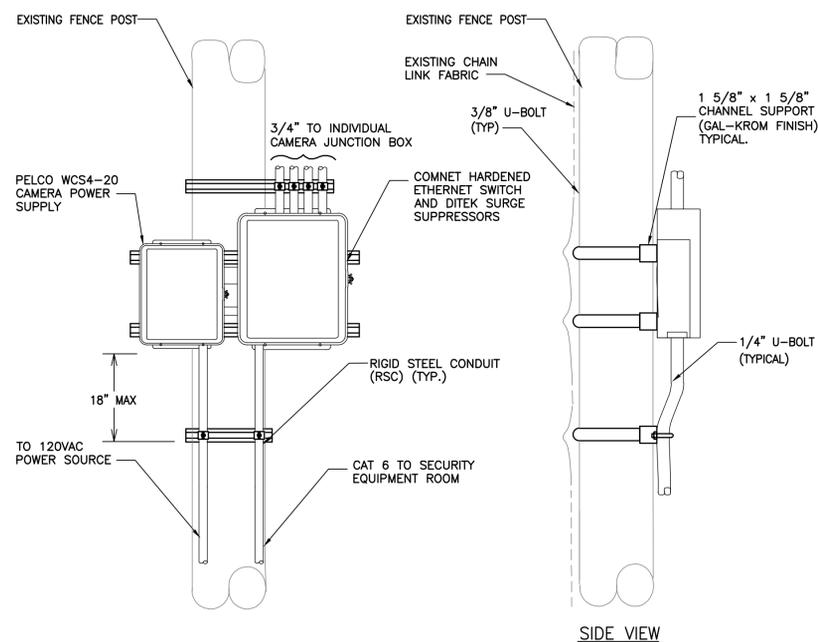
1. SPACE MOUNTING CHANNEL AT 4\"/>

**5 TYPICAL MULTIPLE CONDUIT SUPPORT DETAIL**

E-202 SCALE: NONE

**CAMERA POWER AND DATA NOTES:**

1. PELCO WCS4-20 WITH ASSOCIATED ENCLOSURE SHALL BE FURNISH BY TIS AND INSTALLED BY THE E.C. E.C. TO PROVIDE ALL ASSOCIATED CONDUIT, CABLE, TERMINATIONS, SUPPORT STRUCTURES AND CABLE TESTING.
2. E.C. TO PROVIDE AN 18\"/>



SIDE VIEW

**6 EXTERIOR CAMERA POWER AND DATA ENCLOSURE DETAIL**

E-202 SCALE: NONE



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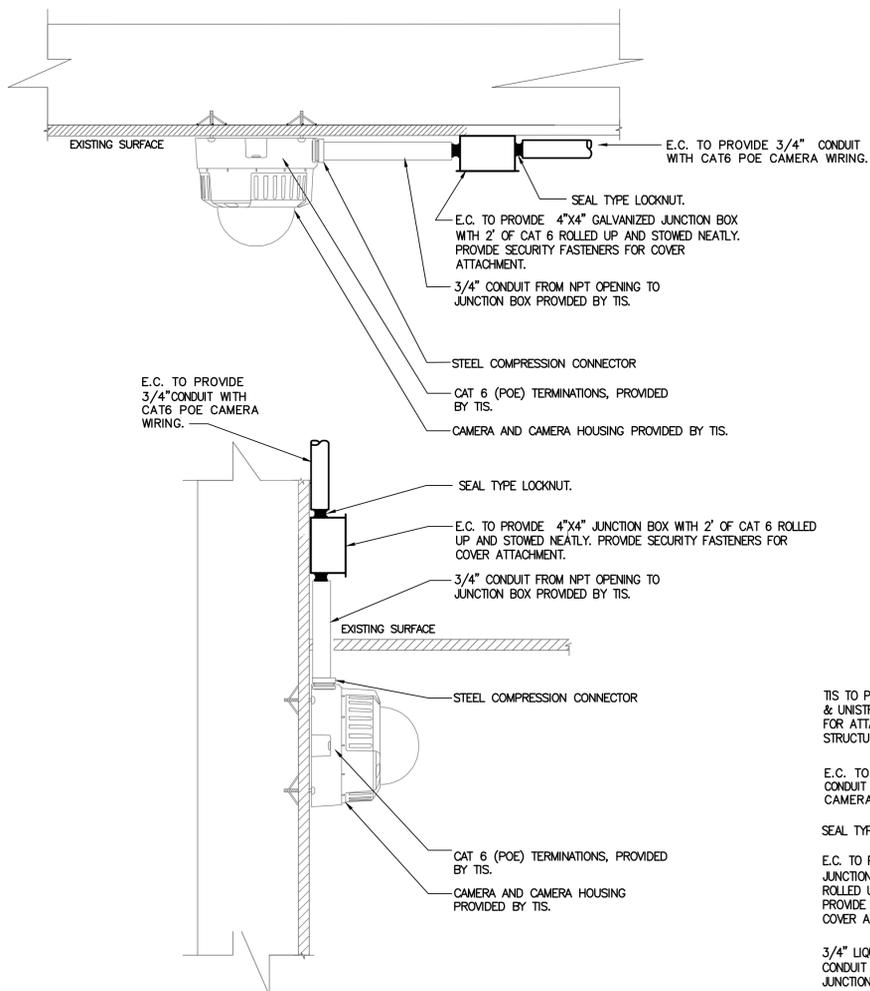


**CONTRACT:** ELECTRICAL  
**TITLE:** PROVIDE CCTV SECURITY SYSTEM  
**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

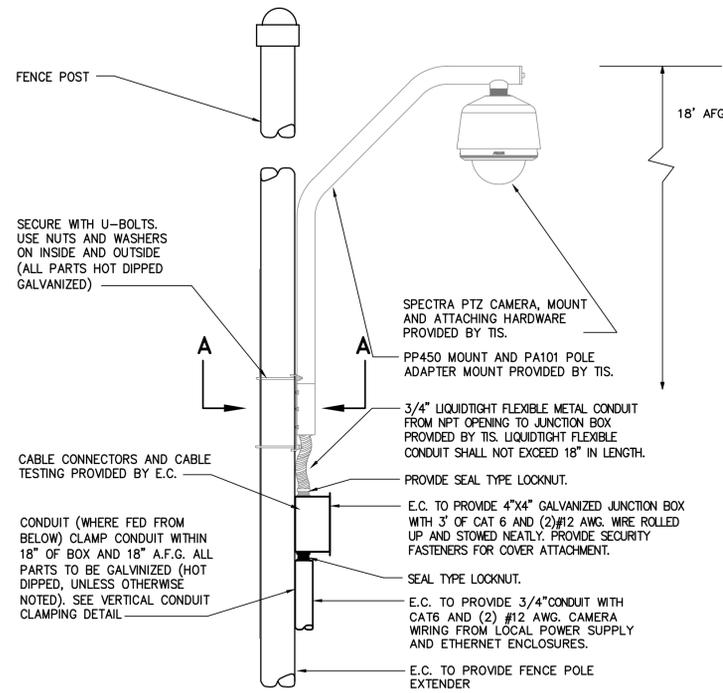
OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		
ELECTRICAL DETAILS		
DRAWING NUMBER:		
E-202		
SHEET	29	OF 35

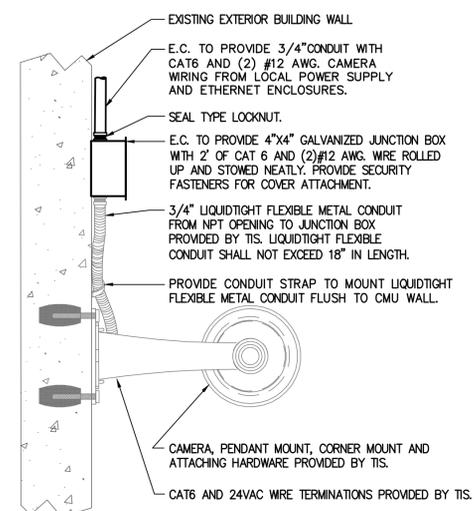




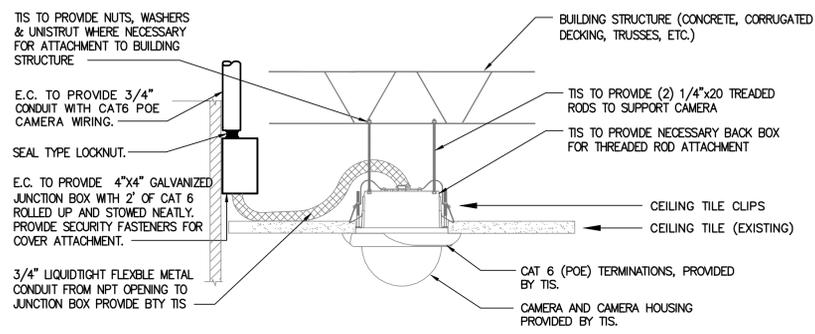
**TYPICAL SURFACE MOUNTED MINI-DOME CAMERA**  
SCALE: NONE



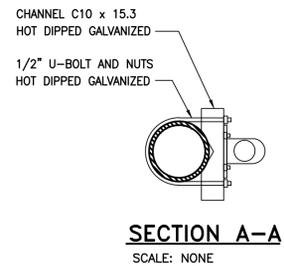
**EXTERIOR FENCE MOUNTED PTZ CAMERA STATION**  
SCALE: NONE



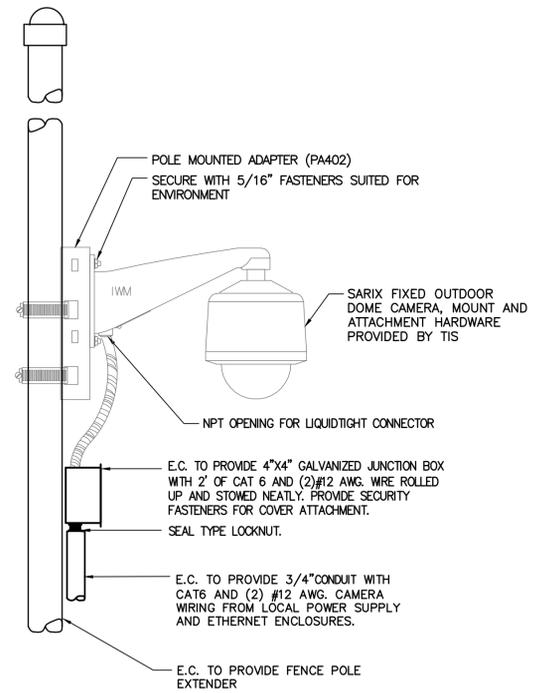
**WALL MOUNT DOME CAMERA**  
SCALE: NONE



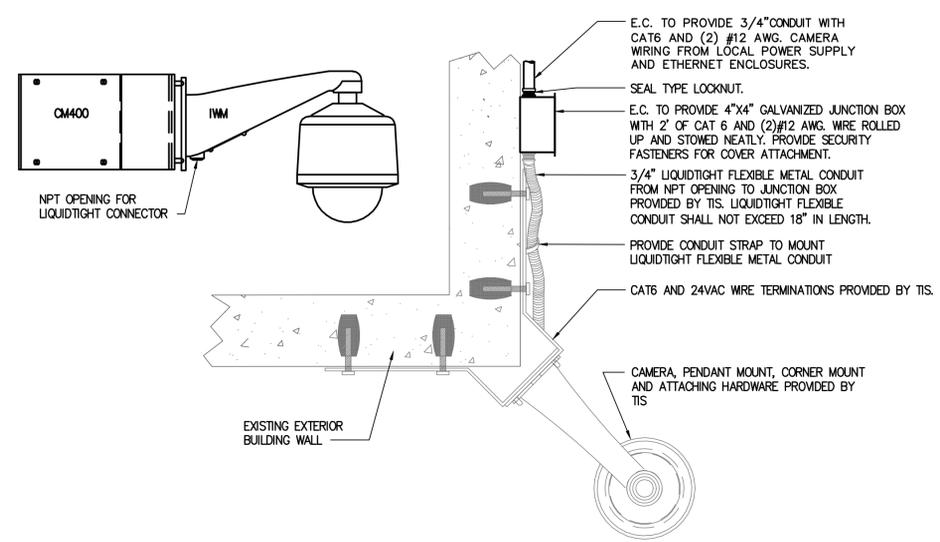
**CEILING MOUNT DOME CAMERA**  
SCALE: NONE



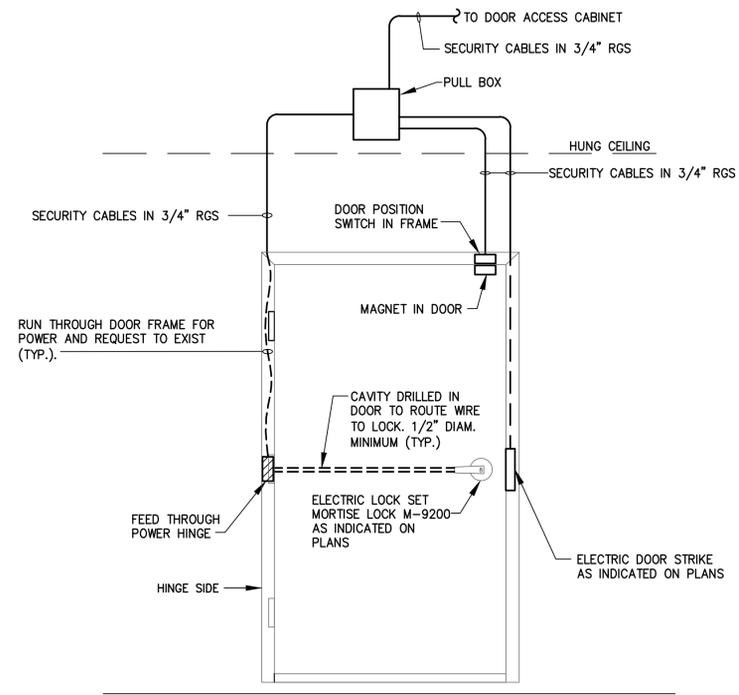
**SECTION A-A**  
SCALE: NONE



**EXTERIOR FENCE POLE MOUNT FIXED CAMERA**  
SCALE: NONE



**CORNER MOUNT DOME CAMERA**  
SCALE: NONE



**DOOR DETAIL NOTES**

- E.C. TO PROVIDE ALL SECURITY DOOR HARDWARE, TO INCLUDE ALL JUNCTION BOXES, CABLING, SUPPORT APPURTENANCES AND FASTENERS NECESSARY FOR A COMPLETE DOOR LOCKING/CONTROL/MONITORING SYSTEM.
- EXISTING ELECTROMAGNETIC DOOR CONTROL MULTI-CONDUCTOR WIRING TO ELECTROMAGNETIC DOOR LOCK TO REMAIN. PROVIDE JUNCTION BOX AT EACH LOCATION AND EXTEND CONTROL WIRING TO ASSOCIATED ELECTROMAGNETIC DOOR LOCK. TYPICAL FOR EACH EXISTING ELECTROMAGNETIC LOCK. (TYP.)
- ALL DEVICES SHALL BE MOUNTED ON THE SECURE SIDE OF THE DOOR UNLESS OTHERWISE NOTED
- ALL ACCESS CONTROL WIRING TO BE IN CONDUIT STUBS AND CABLE HANGER SYSTEM. ALL WIRE FROM DOOR CONTROL MODULES TO DOOR DEVICES SHALL BE IN 3/4" RGS. PROVIDE INSULATED BUSHINGS AND PULL BOXES.
- THE ABOVE DETAILS SHOWN ARE FOR REFERENCE ONLY. THE CONTRACTOR MUST ADJUST IN WHOLE OR PART AS REQUIRED TO ACCOMMODATE EQUIPMENT INSTALLATION.
- SEE FLOOR PLANS FOR DOORS REQUIRING SECURITY DEVICES. REFER TO DOOR SCHEDULE AND HARDWARE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
- COORDINATE VOLTAGE, WIRING, AND DUTY CYCLE REQUIREMENTS. PROVIDE CONNECTION TO ELECTRIC DOOR LATCH RETRACTION SOLENOID, REQUEST TO EXIT SWITCH, AND DOOR LATCH POSITION SWITCH.
- ELECTRIC POWER TRANSFER INSTALLATION REQUIRES DOOR AND DOOR FRAME PREPARATION PRIOR TO BEING SHIPPED FROM FACTORY. COORDINATE ELECTRICAL POWER TRANSFER LOCATION WITH DOOR HARDWARE SUPPLIER.

**TYPICAL SINGLE LOCAL DOOR WITH ELECTROMECHANICAL LOCKSET AND DOOR POSITION SWITCH DETAIL**

SCALE: NONE

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1996  
NEW YORK

CONTRACT: **ELECTRICAL**  
TITLE: PROVIDE CCTV SECURITY SYSTEM  
LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY  
CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

MARK	DATE	DESCRIPTION
1	2013/05/22	BID DOCUMENTS
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:	ELECTRICAL SECURITY DETAILS	
DRAWING NUMBER:	E-200	





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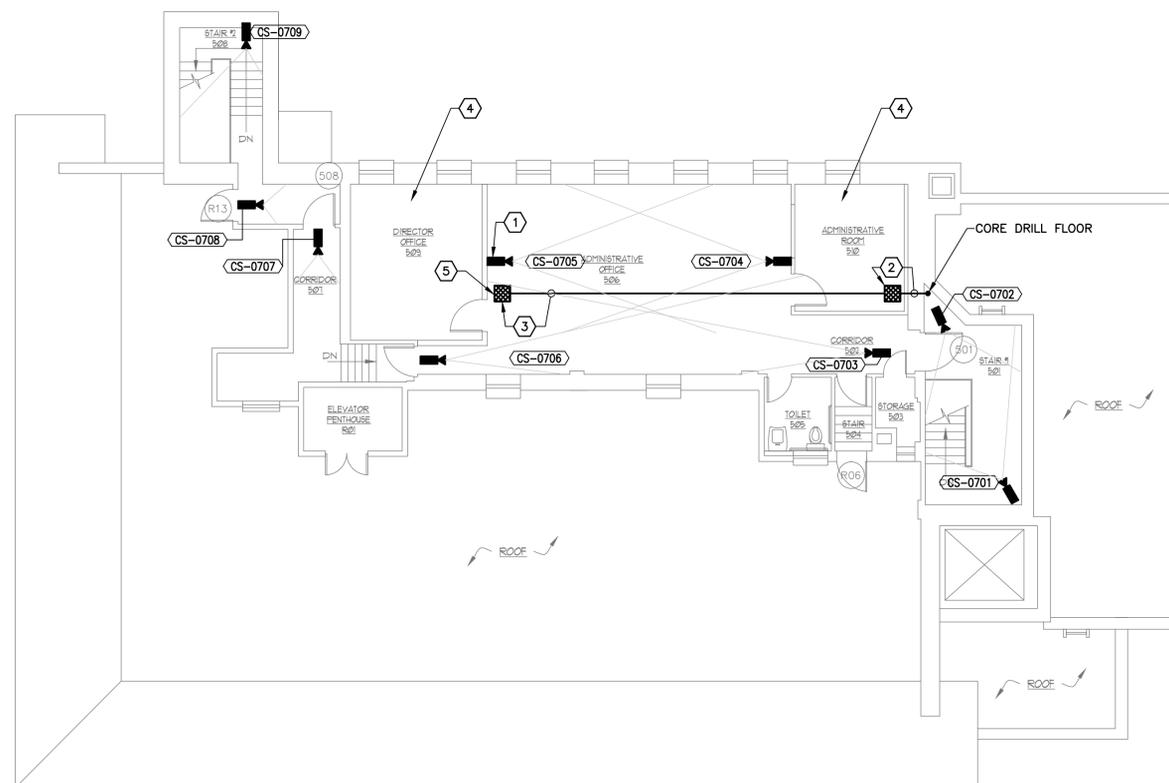
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<b>CONTRACT:</b>		
<b>ELECTRICAL</b>		
<b>TITLE:</b>	PROVIDE CCTV SECURITY SYSTEM	
<b>LOCATION:</b>	ELLA MCQUEEN RESIDENTIAL CENTER 41 HOWARD AVENUE BROOKLYN NY	
<b>CLIENT:</b>	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	

OCFS PROJECT NO. CFS2200		
1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		
<b>ELECTRICAL FIFTH FLOOR SECURITY PLAN</b>		
DRAWING NUMBER:		
<b>E-106</b>		
SHEET 25 OF 35		

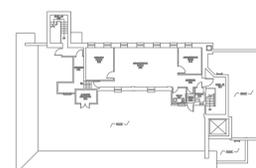


**PROJECT KEY NOTES:**

- ① FOR EACH CAMERA LOCATION, PROVIDE CONDUIT TO ASSOCIATED COMMON PULL BOX. PROVIDE WIRING FROM EACH CAMERA JUNCTION BOX LOCATION BACK TO SECURITY EQUIPMENT CLOSET RACK TYPICAL FOR ALL NEW AND RELOCATED CAMERAS.
- ② PROVIDE (1)-3" CONDUIT AND 18"x18"x12" STEEL PULL BOX (ABOVE DROP CEILING-TYP.) FOR SECURITY WIRING.
- ③ PROVIDE (1)-2-1/2" CONDUIT AND PULL 18"x18"x12" STEEL PULL BOX FOR CAMERA AND SECURITY WIRING. PROVIDE SUPPORTS AS REQUIRED.
- ④ PROVIDE NEW PELCO WORK STATIONS. EXACT LOCATION IN ROOM TO BE COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE.
- ⑤ PULLBOX LOCATIONS ARE STRICTLY RECOMMENDATIONS. PROVIDE REQUIRED/ NECESSARY QUANTITY AT LOCATIONS DETERMINED IN THE FIELD. SUBMIT PULLBOX LOCATIONS AND SIZES FOR REVIEW.

**FIFTH FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**KEY PLAN**

SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	ROOF
FIRST FLOOR	2ND FLOOR
MAIN FLOOR	1ST FLOOR
BASEMENT	B1 FLOOR
	MAIN FLOOR
	BASEMENT
BUILDING 'A'	BUILDING 'B'





NYS OFFICE OF GENERAL SERVICES

Serving New York

ANDREW M. CUOMO  
Governor  
ROANN M. DESTITO  
Commissioner

CONSULTANTS

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CONTRACT: **ELECTRICAL**

TITLE: PROVIDE CCTV SECURITY SYSTEM

LOCATION: ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

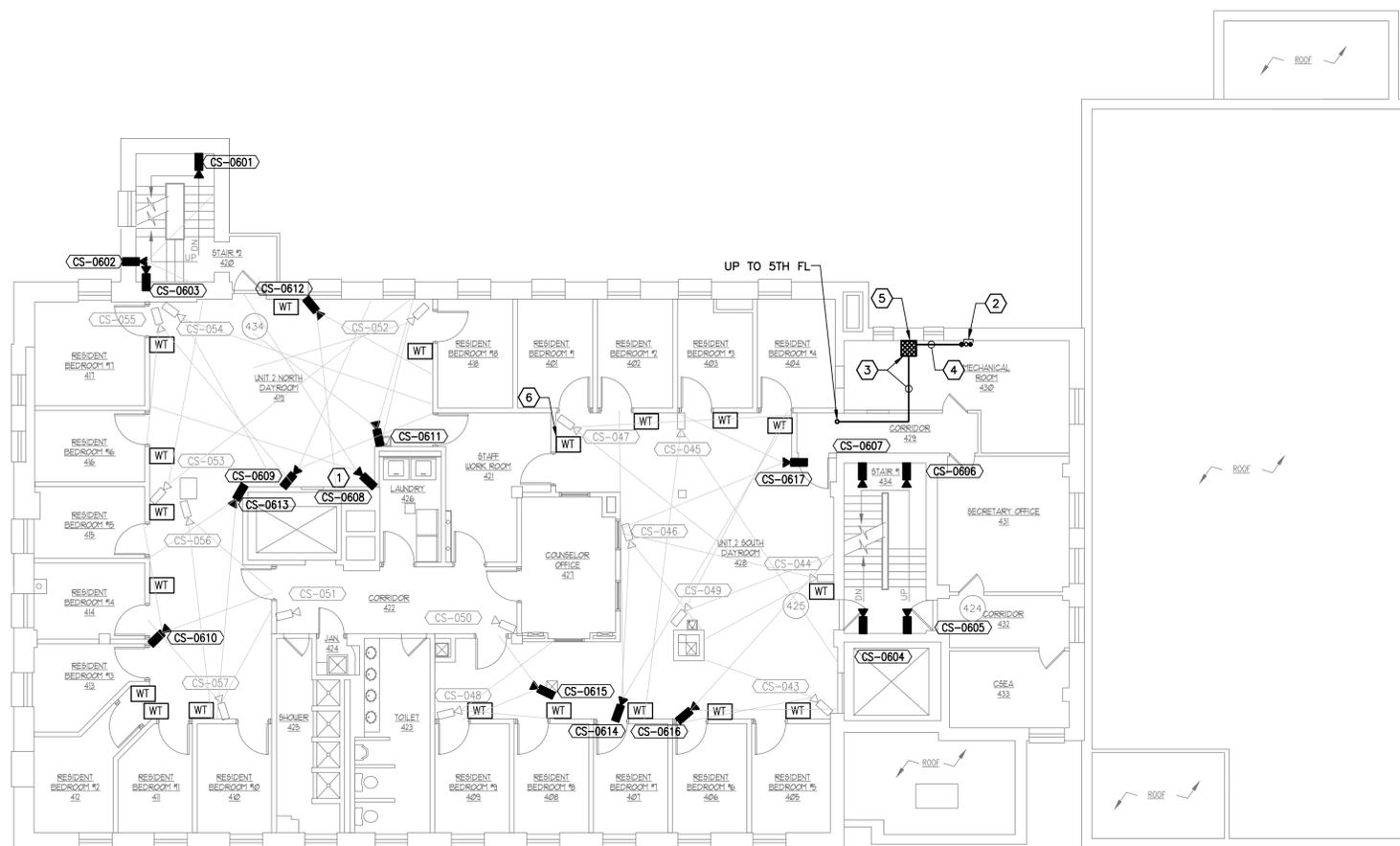
CLIENT: NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200


1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	

SHEET TITLE: **ELECTRICAL FOURTH FLOOR SECURITY PLAN**

DRAWING NUMBER: **E-105**



**FOURTH FLOOR BUILDING 'A' PLAN**

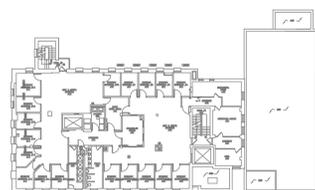
SCALE: 1/8" = 1'-0"

**ROOF BUILDING 'B' PLAN**

SCALE: 1/8" = 1'-0"

**PROJECT KEY NOTES:**

- 1 FOR EACH CAMERA LOCATION, PROVIDE CONDUIT TO ASSOCIATED COMMON PULL BOX. PROVIDE WIRING FROM EACH CAMERA JUNCTION BOX LOCATION BACK TO SECURITY EQUIPMENT CLOSET RACK TYPICAL FOR ALL NEW AND RELOCATED CAMERAS.
- 2 EXISTING (2)-3" CONDUIT WITH SECURITY WIRING.
- 3 PROVIDE 3" CONDUIT, SUPPORTS AND PULL BOX FOR SECURITY WIRING. SIZE PULL BOX AS REQUIRED BY NEC. PATCH AND REPAIR CEILING TO ITS ORIGINAL CONDITION AS REQUIRED.
- 4 PROVIDE 4" CONDUIT AND SUPPORTS FOR SECURITY WIRING. SIZE PULL BOX AS REQUIRED BY NEC. PATCH AND REPAIR CEILING/WALL TO ITS ORIGINAL CONDITION AS REQUIRED.
- 5 PULLBOX LOCATIONS ARE STRICTLY RECOMMENDATIONS. PROVIDE REQUIRED/NECESSARY QUANTITY AT LOCATIONS DETERMINED IN THE FIELD. SUBMIT PULLBOX LOCATIONS AND SIZES FOR REVIEW.
- 6 GUARD TOUR STATION AND ASSOCIATED SECURITY FASTENERS TO BE FURNISHED BY TIS, AND INSTALLED BY THE E.C.



**KEY PLAN**  
SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	
SECOND FLOOR	2ND FLOOR
FIRST FLOOR	1ST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	BASEMENT
BUILDING 'A'	BUILDING 'B'

1/8"=1'-0"



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**CONTRACT:** ELECTRICAL

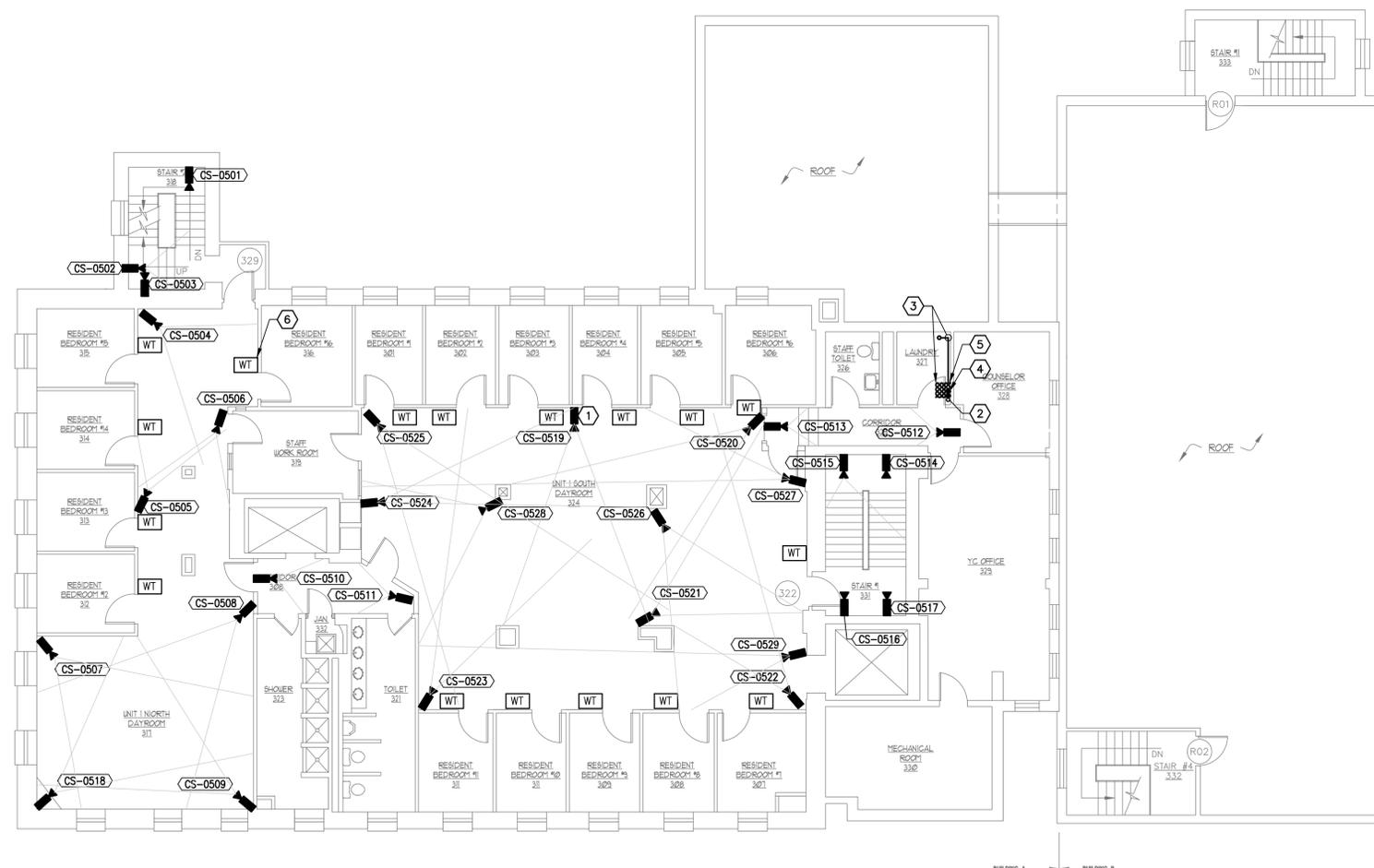
**TITLE:** PROVIDE CCTV SECURITY SYSTEM

**LOCATION:** ELLA MCQUEEN RESIDENTIAL CENTER  
41 HOWARD AVENUE  
BROOKLYN NY

**CLIENT:** NYS OFFICE OF CHILDREN AND FAMILY SERVICES

OCFS PROJECT NO. CFS2200

1	2013/05/22	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	43961-E	
DESIGNED BY:	RK	
DRAWN BY:	RK	
FIELD CHECK:		
APPROVED:	MH	
SHEET TITLE:		
<b>ELECTRICAL THIRD FLOOR SECURITY PLAN</b>		
DRAWING NUMBER:		
<b>E-104</b>		
SHEET	23	OF 35



**PROJECT KEY NOTES:**

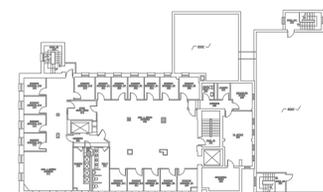
- 1 FOR EACH CAMERA LOCATION, PROVIDE CONDUIT TO ASSOCIATED COMMON PULL BOX. PROVIDE WIRING FROM EACH CAMERA JUNCTION BOX LOCATION BACK TO SECURITY EQUIPMENT CLOSET RACK TYPICAL FOR ALL NEW AND RELOCATED CAMERAS.
- 2 EXISTING (1)-3" CONDUIT WITH SECURITY WIRING.
- 3 PROVIDE (2) 4" CONDUIT, SUPPORTS AND PULL BOX FOR SECURITY WIRING. SIZE PULL BOX AS REQUIRED BY NEC.
- 4 PROVIDE (2)-4" CONDUIT BACK TO SECURITY ROOM FOR SECURITY WIRING.
- 5 PULLBOX LOCATIONS ARE STRICTLY RECOMMENDATIONS. PROVIDE REQUIRED/NECESSARY QUANTITY AT LOCATIONS DETERMINED IN THE FIELD. SUBMIT PULLBOX LOCATIONS AND SIZES FOR REVIEW.
- 6 GUARD TOUR STATION AND ASSOCIATED SECURITY FASTENERS TO BE FURNISHED BY TIS, AND INSTALLED BY THE E.C.

**THIRD FLOOR BUILDING 'A' PLAN**

SCALE: 1/8" = 1'-0"

**ROOF BUILDING 'B' PLAN**

SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE : N.T.S.

ROOF	
FIFTH FLOOR	
FOURTH FLOOR	
THIRD FLOOR	ROOF
SECOND FLOOR	2ND FLOOR
FIRST FLOOR	1ST FLOOR
MAIN FLOOR	B1 FLOOR
BASEMENT	MAIN FLOOR
	BASEMENT
BUILDING 'A'	BUILDING 'B'

