

Buyer

Telephone Number

E-mail Address

Fax Number

**UNIVERSITY OF CONNECTICUT HEALTH CENTER**  
**Procurement Operations & Contracts**  
**263 Farmington Avenue, MC4036**  
**Farmington, CT 06032-4036**

ITB NUMBER:	BID DUE DATE:	BID DUE TIME:	ITB SURETY:
		EST	
ITB TITLE:			

**ADDENDUM NUMBER:** \_\_\_\_\_

**DATE ADDENDUM ISSUED:** \_\_\_\_\_

**FOR:** The University of Connecticut Health Center

**NOTE:**

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**This Addendum must be Signed & Returned with your bid.**

\_\_\_\_\_  
*Authorized Signature of Bidder*

\_\_\_\_\_  
*Company Name*

**Approved By:** \_\_\_\_\_

[ \_\_\_\_\_ ]

Buyer

*(Original Signature on Document in Procurement Files)*

UCONN HEALTH

**MUNSON ROAD SWITCHGEAR REPLACEMENT  
16 MUNSON ROAD  
FARMINGTON, CT 06032**

UCONN PROJECT NO. 14-601.07

**DATE: September 27, 2019**

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 1.

**General Information/Clarifications:** NOT USED

**Changes to the Specifications:**

Specification Section 087100 Door Hardware:

- Delete: Paragraph 3.6 DOOR HARDWARE SCHEDULE/Paragraph B/HW-1 and HW-2.
- Add:
  - Paragraph 3.6 DOOR HARDWARD SCHEDULE/Paragraph B/HW-1 and HW-2

**HW-1: NEW DOUBLE DOOR 101**

EACH TO HAVE:

- 6 BUTT HINGES
- 1 BORED LOCK AND CYLINDER (STORAGE LOCKSET)
- 2 AUTOMATIC FLUSH BOLTS
- 2 LEVER SETS, POSITIVE LATCHING, WITH KNURLED FINISH
- 1 AUTOMATIC DELAYED ACTION CLOSER
- 1 DOOR COORDINATOR
- 1 ASTRAGAL
- 2 KICKPLATE
- 2 AUTOMATIC SMOKE SEALS  
SILENCERS

**HW-2: EXISTING DOUBLE DOOR 102**

EACH TO HAVE:

- 1 PANIC RELEASE LATCH
- 1 LEVER SET WITH KNURLED FINISH AT PULL SIDE

**Changes to the Drawings:**

- **DELETE:** The following Drawings in their entirety:
  - Cover Sheet.
  - A1 “Architectural Plan”
  - E3 “Electrical Plan”
  - E5 “One-Line Diagram”
  
- **ADD:** The following Revised Drawings, dated September 25, 2019:
  - Cover Sheet.
  - A1 “Architectural Plan”
  - E3 “Electrical Plan”
  - E5 “One-Line Diagram”

**The bid due date is unchanged by this Addendum.**

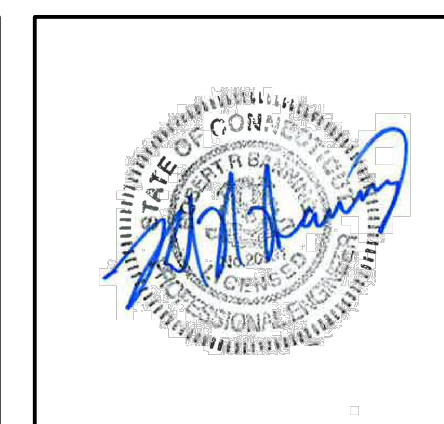
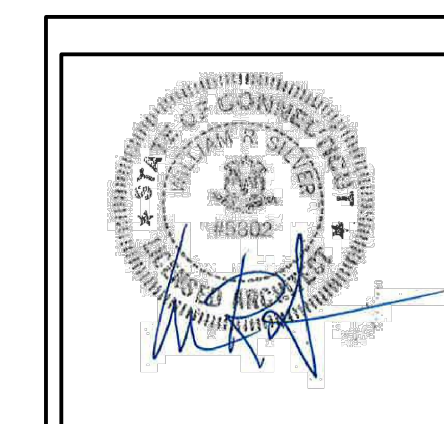
The Addendum consists of one (2) pages of 8½” x 11” text, and 4 (four) pages of 30” x 42” drawings.

End of Addendum #1

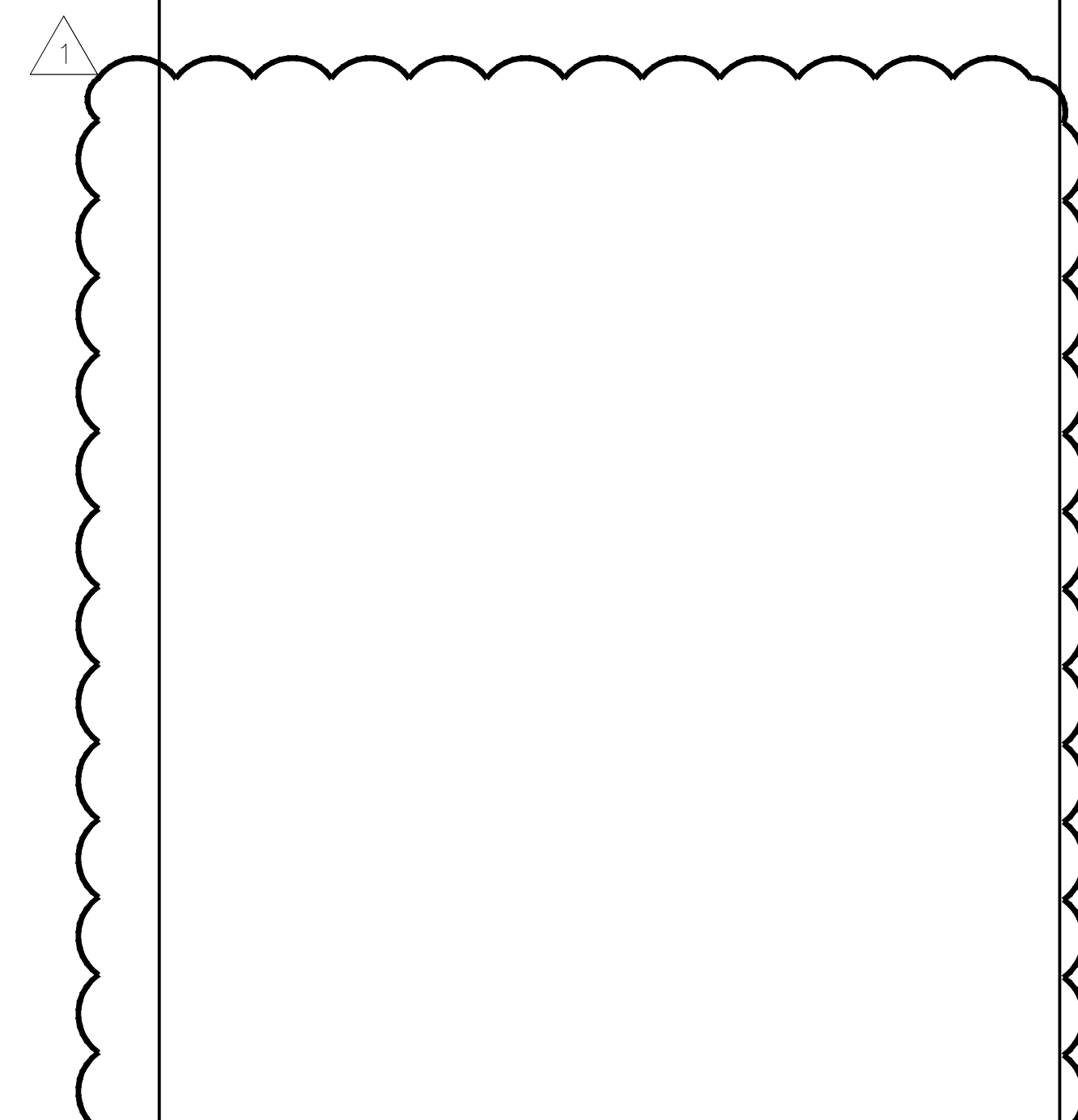
# UConn HEALTH

MUNSON ROAD SWITCHGEAR REPLACEMENT  
PROJECT NO. 14-601.07

PREPARED BY:  
Silver, Petrucelli and Associates  
3190 Whitney Avenue  
Building 2  
Hamden, CT 06518



DWG. NO.	DRAWING TITLE
G1	GENERAL INFORMATION
A1	PARTIAL THIRD FLOOR ARCHITECTURAL PLAN
E1	SYMBOLS, NOTES, SCHEDULES & DETAILS
E2	PARTIAL THIRD FLOOR DEMOLITION PLAN - ELEC.
E3	PARTIAL THIRD FLOOR PLANS - ELECTRICAL
E4	SITE PLAN - ELECTRICAL
E5	ONE LINE DIAGRAM - ELECTRICAL



**BUILDING CODE AND FIRE RESISTANCE NOTES**

BUILDING CODE REVIEW:  
2005 STATE BUILDING CODE, STATE OF CONNECTICUT  
WITH 2005, 2009 AND 2013 AMENDMENTS  
PROJECT TYPE: SWITCHGEAR UPGRADES  
CONSTRUCTION TYPE: IIB  
FIRE PROTECTION: FULLY SPRINKLERED FIRE ALARM SYSTEM  
BUILDING OCCUPANCY CLASSIFICATION:  
B GROUP  
PROJECT OCCUPANCY: ACCESSORY  
PROJECT AREA: 1,112 SQUARE FEET (SWITCHGEAR AREA)  
PROJECT OCCUPANT LOAD: 4 PERSONS (SWITCHGEAR AREA)  
(300 SF/PERSON)

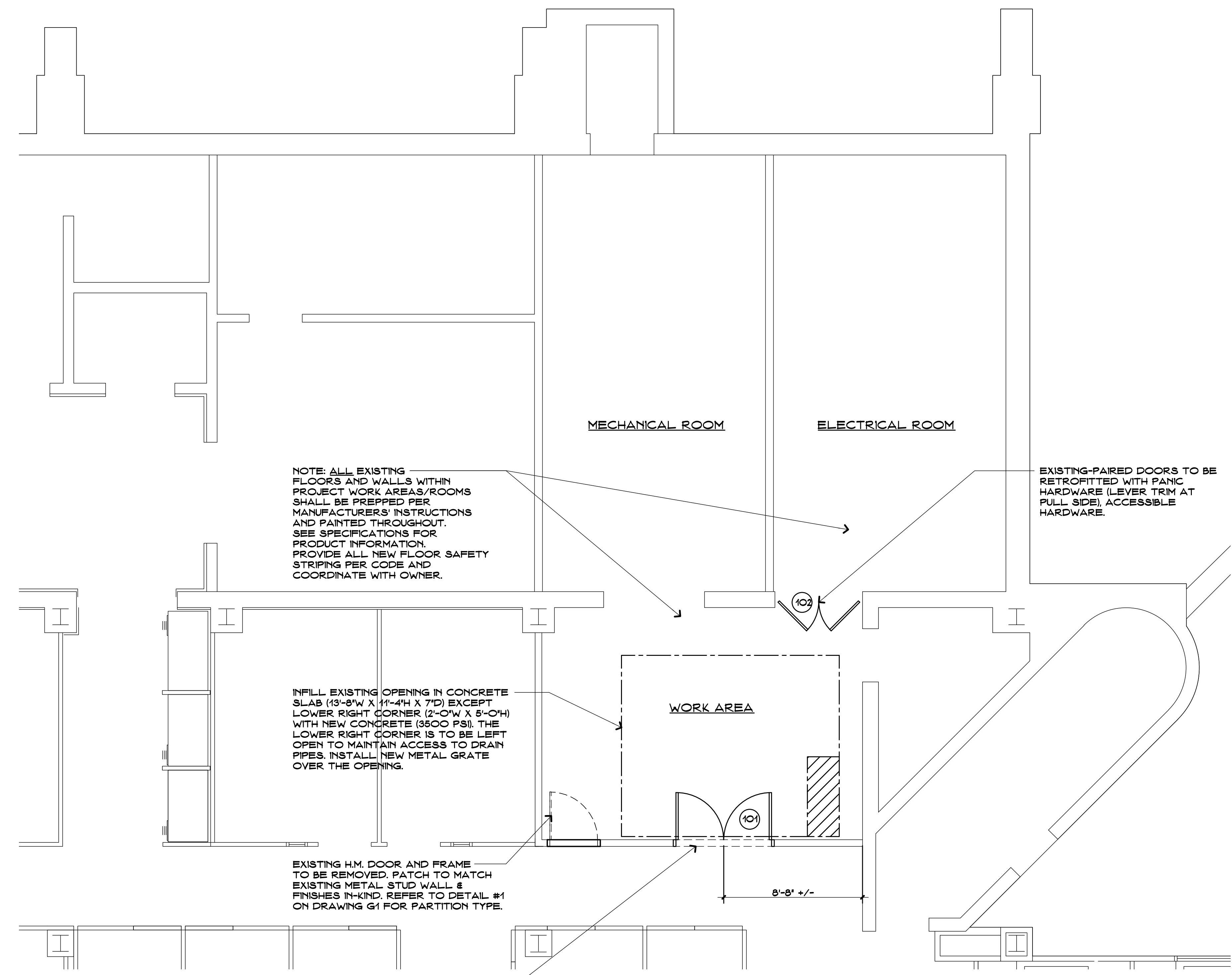
NO	SYM	DESCRIPTION	DATE	APP'D
ISSUE DATE				



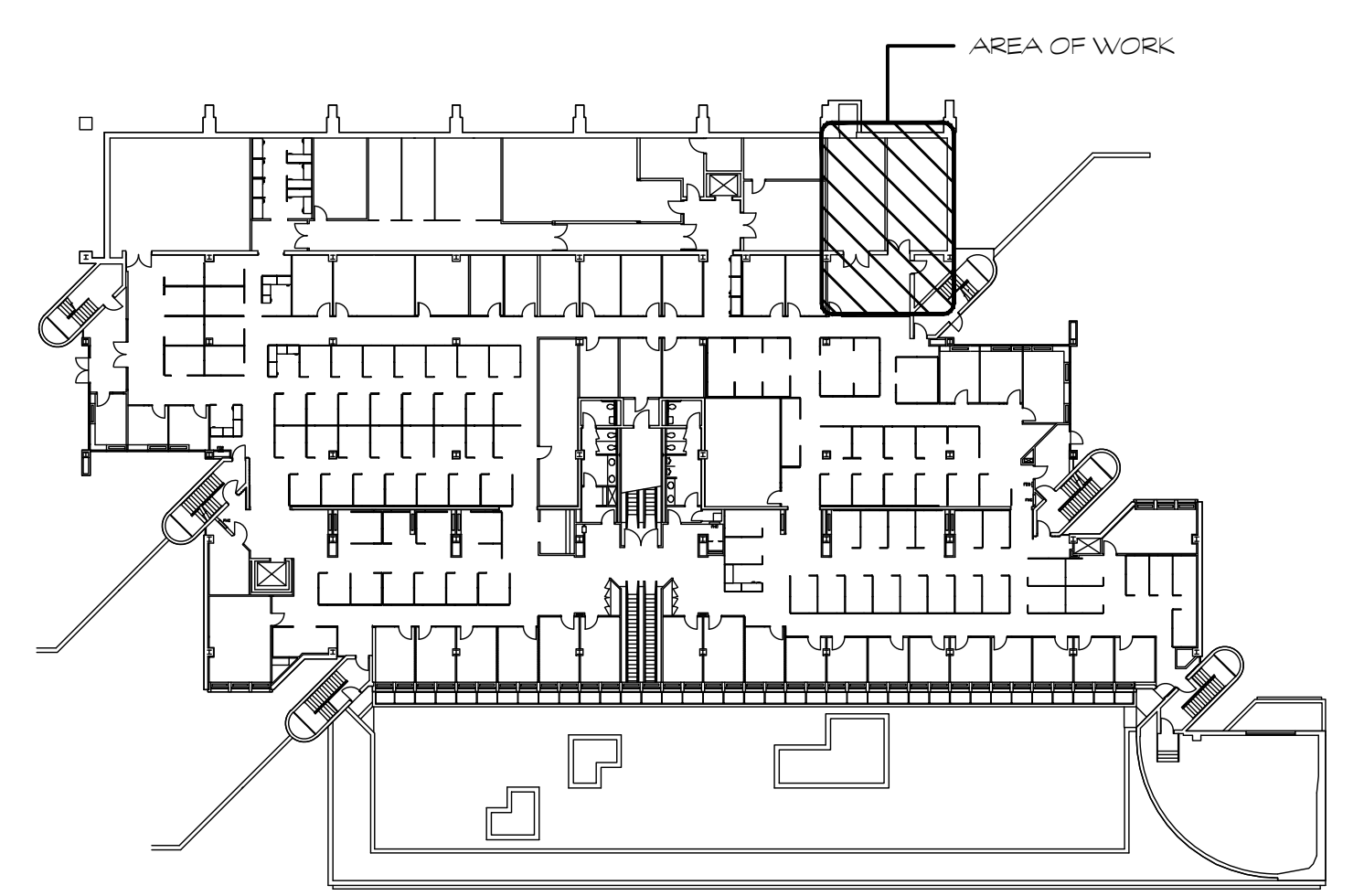
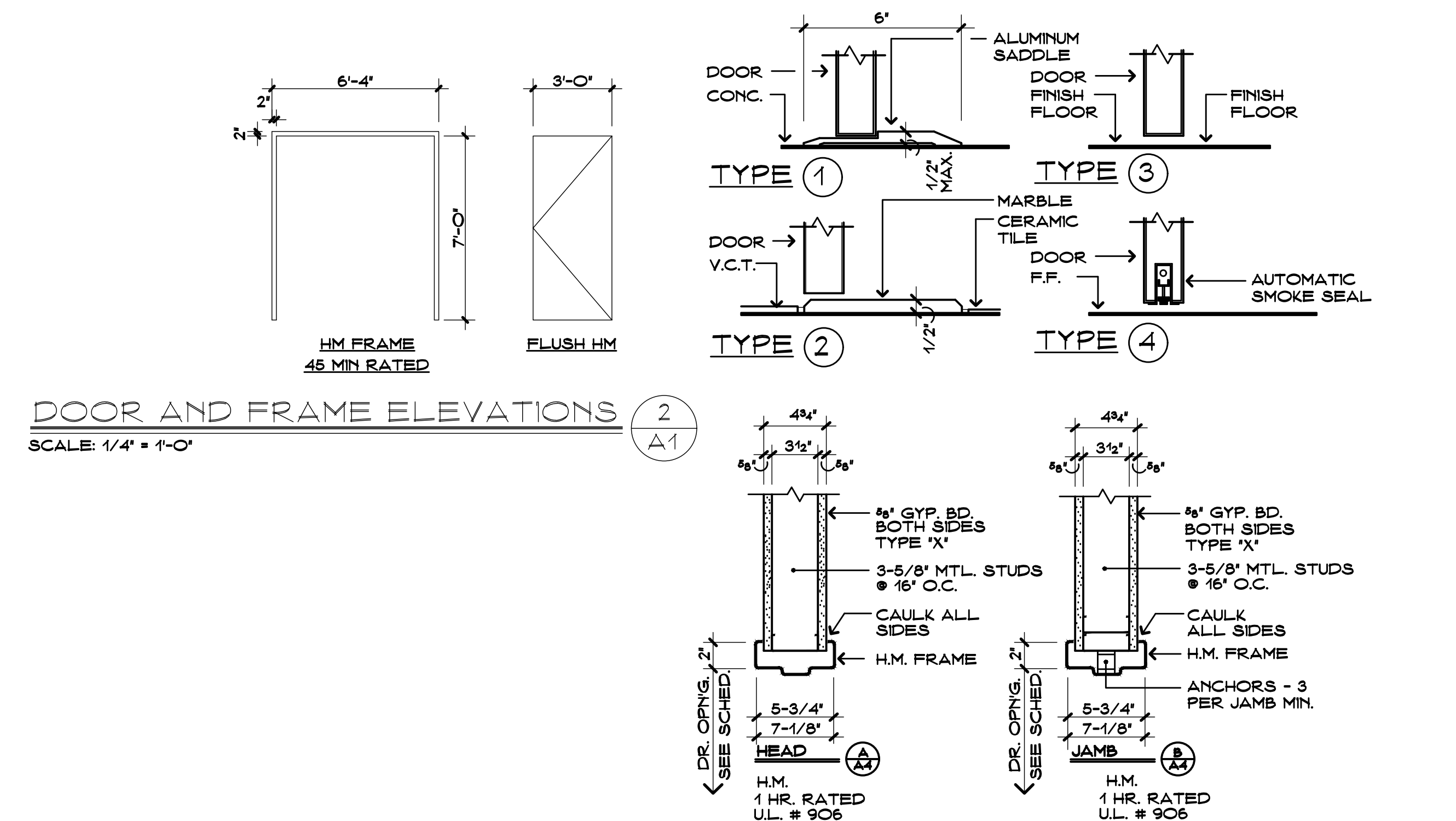
DOOR		FRAME		FIRE		HARDWARE - SEE PROJECT MANUAL		REMARKS
DOOR NUMBER	SIZE	TYPE	MATERIAL	DETAIL/SHEET NO.	RATING	FIRE CODE	DISABLED REQUIREMENTS	
101	3'-0" X 8'-0"	HM	HM	A	1			PROVIDE AUTO FLUSH BOLTS, DR COORDINATOR
102	3'-0" X 8'-0"	HM	HM	A/A1	1			PROVIDE NEW PANIC HARDWARE/LEVER AT PULLSIDE

LEGEND: IF ALL EXTG DOOR SIZES, NEW PAIRED DOOR TO MATCH EXISTING HEAD HEIGHTS.  
 IF ALL EXTG DOOR SIZES AND THICKNESSES WHEN REPLACING HARDWARE

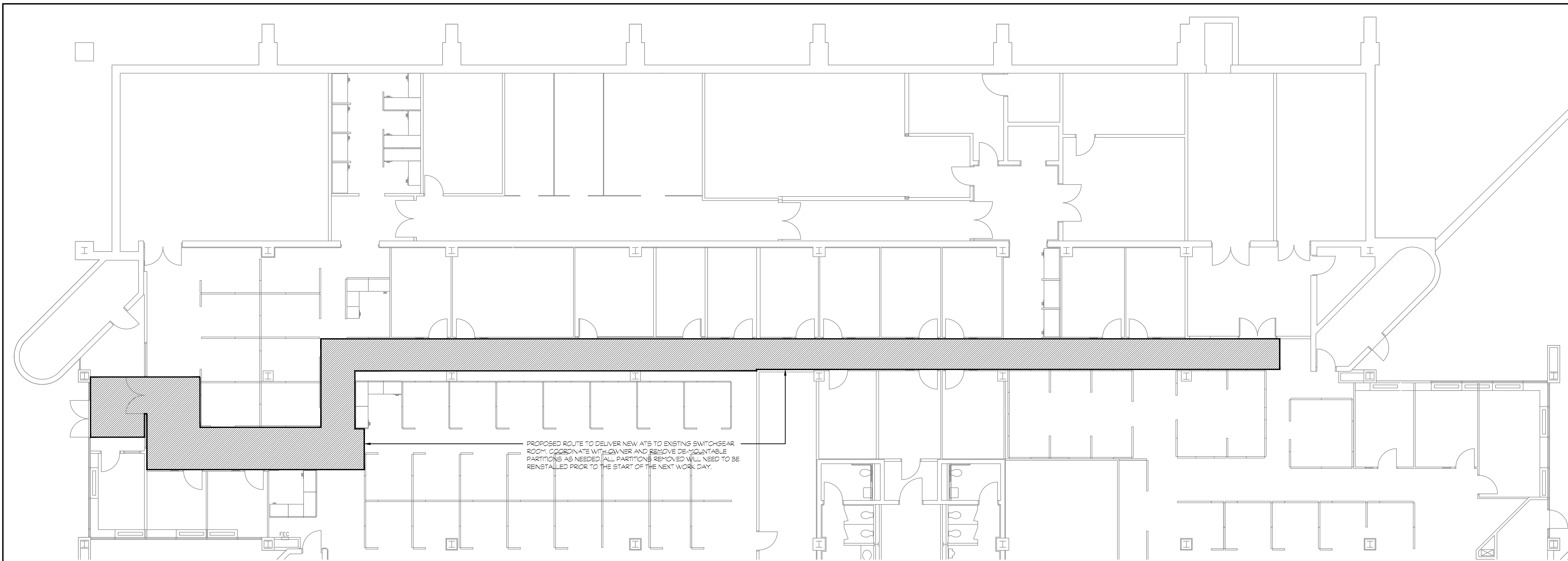
SYMBOL LEGEND	
	- EXISTING WALLS TO REMAIN.
	- EXISTING TO BE REMOVED.
	- NEW WALL TOOTHED INTO EXISTING ADJACENT WALL (SEE PARTITION TYPE)
	- INDICATES CONSTRUCTION NOTE - SEE NOTES BELOW
	- INDICATES DOOR NUMBER.
	- ELEVATION OR SECTION NUMBER, DRAWING NUMBER.
	- PLAN, SECTION, DETAIL OR ELEV. NUMBER.
	- INDICATES DEMOLITION NOTE.
	- INDICATES WINDOW TYPE.
	- INDICATES WALL TYPE. (SEE DETAIL A/A27)
	- NEW LIGHT FIXTURE (SEE ELECTRICAL DWGS)
	- NEW 2X2 METAL CEILING PLATE W/ NEW MECHANICAL CEILING GRILL (SEE MECHANICAL DWGS FOR GRILL SIZES)
	- DEMO EXISTING ACOUSTICAL CEILING TILE AND EXISTING LIGHT FIXTURES (SEE ELECTRICAL DWGS FOR MORE INFO)
	- DEMO EXISTING GYPSUM CEILING AND EXISTING LIGHT FIXTURES (SEE ELECTRICAL DWGS FOR MORE INFO)
	- DEMO EXISTING ACOUSTICAL CEILING TILES, HARD CEILING AND EXISTING LIGHT FIXTURES (WOOD FRAMING ABOVE HARD CEILING TO REMAIN) (SEE ELECTRICAL DWGS FOR MORE INFO)
	- NEW 2X2 ACOUSTICAL CEILING TILE (SEE ROOM FINISH SCHEDULE FOR TYPE) (SEE PROJ. MAN)
	- NEW PAINTED GYPSUM WALL BOARD (SEE ROOM FINISH SCHEDULE) (SEE PROJ. MAN)
	- AREA OF REFUGE (SEE ELECTRICAL DWGS) (SEE SIGNAGE PLANS)



PARTIAL THIRD FLOOR PLAN  
 SCALE: 1/4" = 1'-0"







**PARTIAL THIRD FLOOR PLAN**

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

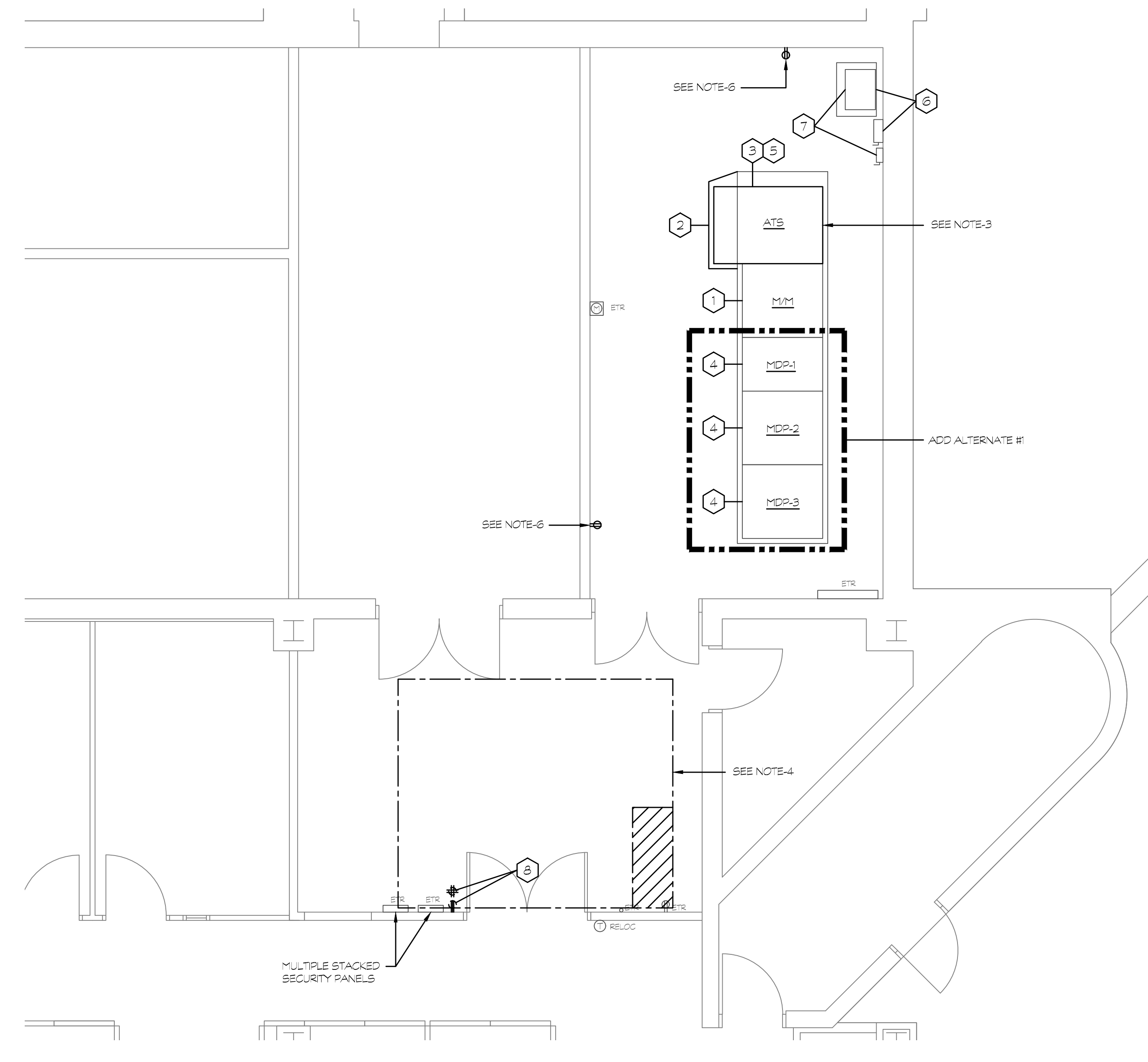
1  
E3

- ELECTRICAL KEY NOTES**
- CONTRACTOR SHALL REMOVE EXISTING 3000 AMP FUSES IN MAIN SWITCH AND REPLACE WITH NEW 1200 AMP FUSES THAT ARE OF THE SAME TYPE AND CLASS. CONTRACTOR SHALL ALSO FILE A SERVICE REQUEST CHANGE WITH EVERSOURCE TO REDUCE THE SERVICE FROM 3000 AMPS TO 1200 AMPS. ALSO CONTRACTOR SHALL INSTALL A SIGN ON THE FRONT OF THE MAIN SWITCH INDICATING THAT THE OVERCURRENT PROTECTION FOR THE SWITCH-BOARD HAS BEEN REDUCED TO 1200 AMPS. (SEE GENERAL NOTES # 8 & 9). IN ADDITION THE CONTRACTOR SHALL ADD AN INFRARED PORT THAT WILL ALLOW FOR VIEWING OF ALL TERMINALS. CONTRACTOR SHALL ADD A HINGE TO THE BACK PANEL OF THE SWITCH UTILIZING THE EXISTING SCREW LOCATIONS. CONTRACTOR SHALL REMOVE ALL EXISTING METERS FROM COVER OF SWITCH AND INSTALL NEW PANELS MATCHING ORIGINAL (SAME THICKNESS & COLOR). NEW METERS WILL BE INCLUDED AS PART OF THE NEW TRANSFER SWITCH.
  - CONTRACTOR SHALL EXTEND THE EXISTING CONCRETE HOUSE KEEPING PAD OUT A MINIMUM OF 3' BEYOND THE NEW APPROVED TRANSFER SWITCH. THE NEW PAD SHALL BE TIED BACK INTO THE EXISTING PAD WITH REBAR TO MINIMIZE THE NEW PAD PULLING AWAY FROM THE OLD PAD AND/OR CRACKING AND MATCH THE HEIGHT.
  - CONTRACTOR SHALL FURNISH AND INSTALL A NEW 1200 AMP FREE STANDING 3 POLE CLOSED TRANSITION AUTOMATIC TRANSFER SWITCH WITH BYPASS ISOLATION ALIGNED WITH THE BACK OF THE EXISTING SWITCHBOARD. RECONNECT EXISTING FEEDERS (NORMAL STANDBY & LOAD) TO THE NEW TRANSFER SWITCH THAT WERE MADE SAFE DURING THE DEVIATION PHASE. THE NEW SWITCH SHALL BE FURNISHED WITH AN INFRARED PORT THAT WILL ALLOW FOR VIEWING OF ALL TERMINALS.
  - CONTRACTOR SHALL REPLACE ALL EXISTING ACTIVE BREAKERS WITH NEW ADJUSTABLE TRIP ELECTRONIC TYPE BREAKERS ONE-FOR-ONE BY ONE OF THE FOLLOWING MANUFACTURERS: GE, SQUARE D OR CUTLER-HAMMER. CONTRACTOR WILL NEED TO HAVE MANUFACTURERS INVESTIGATE THE EXISTING SWITCHBOARD AFTER THE CONTRACT IS AWARDED TO DETERMINE MOUNTING DETAILS OF NEW BREAKERS AND CONNECTIONS TO THE EXISTING BUS BARS. CONTRACTOR WILL NEED TO FURNISH VERY DETAILED MANUFACTURER SHOP DRAWINGS INDICATING HOW EACH BREAKER IS TO BE MOUNTED AND WIRED TO BE APPROVED BY OWNER/ARCHITECT PRIOR TO ORDERING ANY EQUIPMENT. THIS MAY REQUIRE A "POCKUP" OF THE EXISTING CUBICLE WITH THE NEW BREAKER INSTALLED TO VERIFY PROPOSED SOLUTION WORKS AND THAT THERE WILL BE NO LOG SIZE CONDUCTOR CROSSOVERS. THIS WORK WILL NEED TO BE PHASED, SINCE THE SHUT DOWNS CAN ONLY BE DONE ON THE WEEKENDS (SEE GENERAL NOTES # 2 & 5). REFER TO DRAWING #1 FOR ELEVATION AND SCHEDULES OF EXISTING DISTRIBUTION SECTIONS MDP-1 & MDP-2. CONTRACTOR WILL HAVE AN OPPORTUNITY TO REVISION HIS BID AFTER THE NEW BREAKER MANUFACTURER HAS INVESTIGATED THE EXISTING SWITCHBOARD AND DETERMINED THE REQUIREMENTS NEEDED TO MOUNT THE NEW BREAKERS. CONTRACTOR SHALL ADD A HINGE TO THE BACK PANEL OF THE DISTRIBUTION SECTION, UTILIZING THE EXISTING SCREW LOCATIONS. CONTRACTOR SHALL FURNISH NEW COVERS FOR EACH DISTRIBUTION SECTION BASED ON NEW BREAKER CONFIGURATION THAT MATCH THICKNESS AND COLOR OF EXISTING. PROVIDE SAMPLE OF NEW COVER MATERIAL FOR APPROVAL BY OWNER/ARCHITECT PRIOR TO START OF WORK. CONTRACTOR SHALL PAINT ALL EXISTING METAL FRAMES AND RAILS TO REMAIN TO MATCH EXISTING EQUIPMENT.
  - CONTRACTOR SHALL PROVIDE ALARM MONITORING OF THE ATS POSITION WITH EXISTING ECC. COORDINATE RE-INTERMEDIATION LOCATION WITH OWNER.
  - CONTRACTOR SHALL RELOCATE EXISTING 75 KVA TRANSFORMER AND ASSOCIATED DISCONNECT SWITCH TO THE LOCATION MOUNT TRANSFORMER A MINIMUM OF 3' OFF OF THE EXISTING CONDUITS RUNNING HORIZONTALLY ALONG THE ADJACENT WALL. EXTEND BOTH PRIMARY AND SECONDARY FEEDERS CURRENTLY INSTALLED ON THE WEST WALL OF THIS ROOM TO THIS LOCATION. AS NOTED ON THE DEVIATION PLAN THE EXISTING SECONDARY FEEDER CURRENTLY RUNS THROUGH SWITCH BOARD SECTIONS MDP-1 & MDP-2, AND AS PART OF THE FEEDER RELOCATION SHALL BE REMOVED FROM THE SWITCH BOARD. PLUG OPENINGS IN THE TOP OF BOTH SECTIONS AFTER THE CONDUIT AND FEEDER HAS BEEN REMOVED.
  - CONTRACTOR SHALL RELOCATE EXISTING 30 KVA TRANSFORMER AND ASSOCIATED DISCONNECT SWITCH TO THE LOCATION MOUNT 30 KVA TRANSFORMER ON PLATFORM ABOVE THE RELOCATED 75 KVA TRANSFORMER. EXTEND BOTH PRIMARY AND SECONDARY FEEDERS CURRENTLY INSTALLED ON THE WEST WALL OF THIS ROOM TO THIS LOCATION.
  - CONTRACTOR SHALL RELOCATE EXISTING QUAD RECEPTACLE AND SPECIAL PURPOSE RECEPTACLE REMOVED DURING DEVIATION PHASE TO ACCOMMODATE INSTALLATION OF NEW DOUBLE DOORS TO THIS LOCATION (SAME ELEVATION AS PREVIOUS LOCATION). EXTEND/REROUTE EXISTING BRANCH CIRCUIT WIRING TO NEW RECEPTACLE LOCATIONS.

**ADD ALTERNATE #1**

ALL WORK ASSOCIATED WITH THE REPLACEMENT OF THE EXISTING BREAKERS IN THE THREE ALTERNATE SECTIONS OF THE MAIN SWITCHBOARD. THE NEW BREAKERS SHALL HAVE U.L. COME OUT AND TEST AND CERTIFY THAT EACH DISTRIBUTION SECTION IS A COMPLETE LISTED ASSEMBLY.

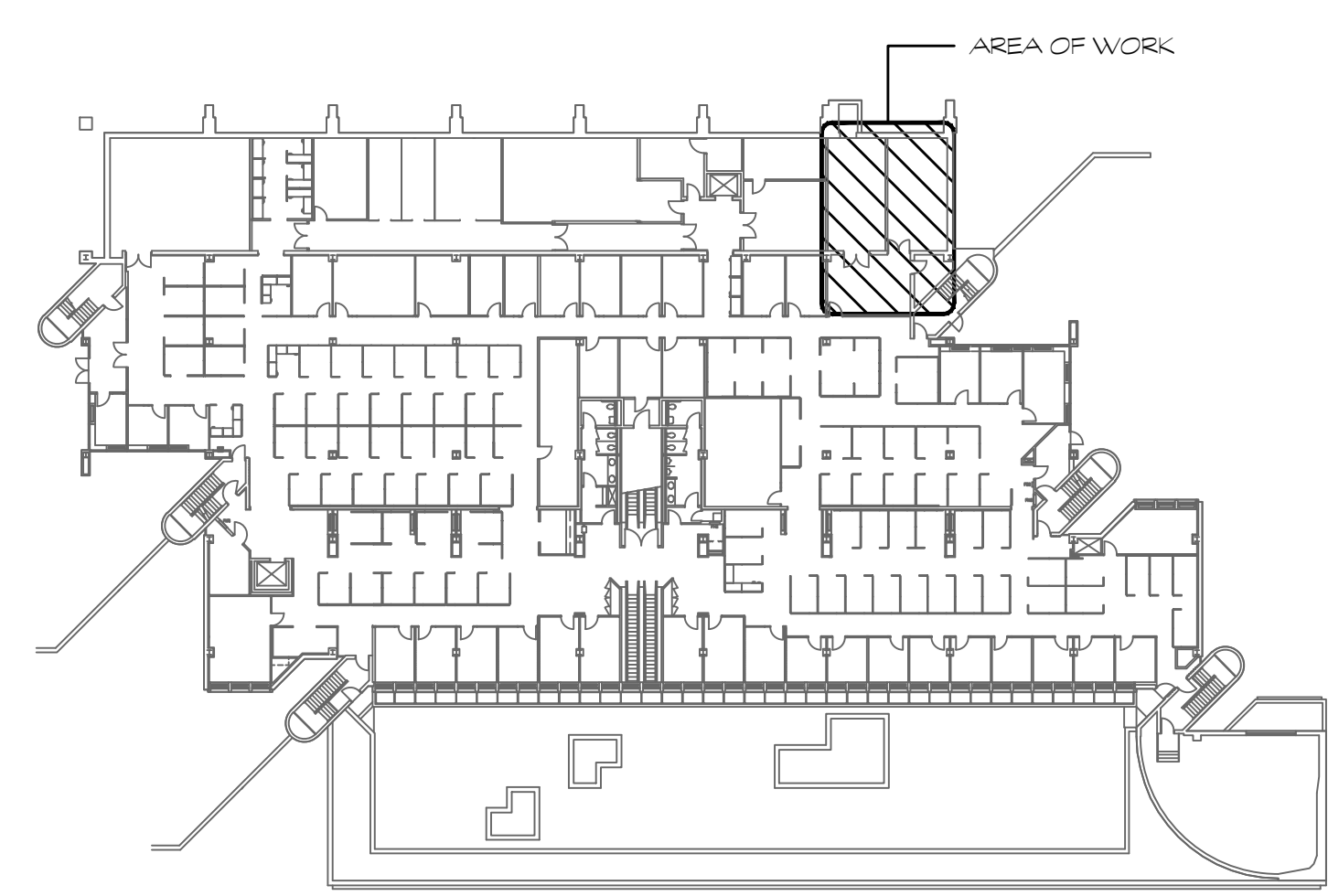
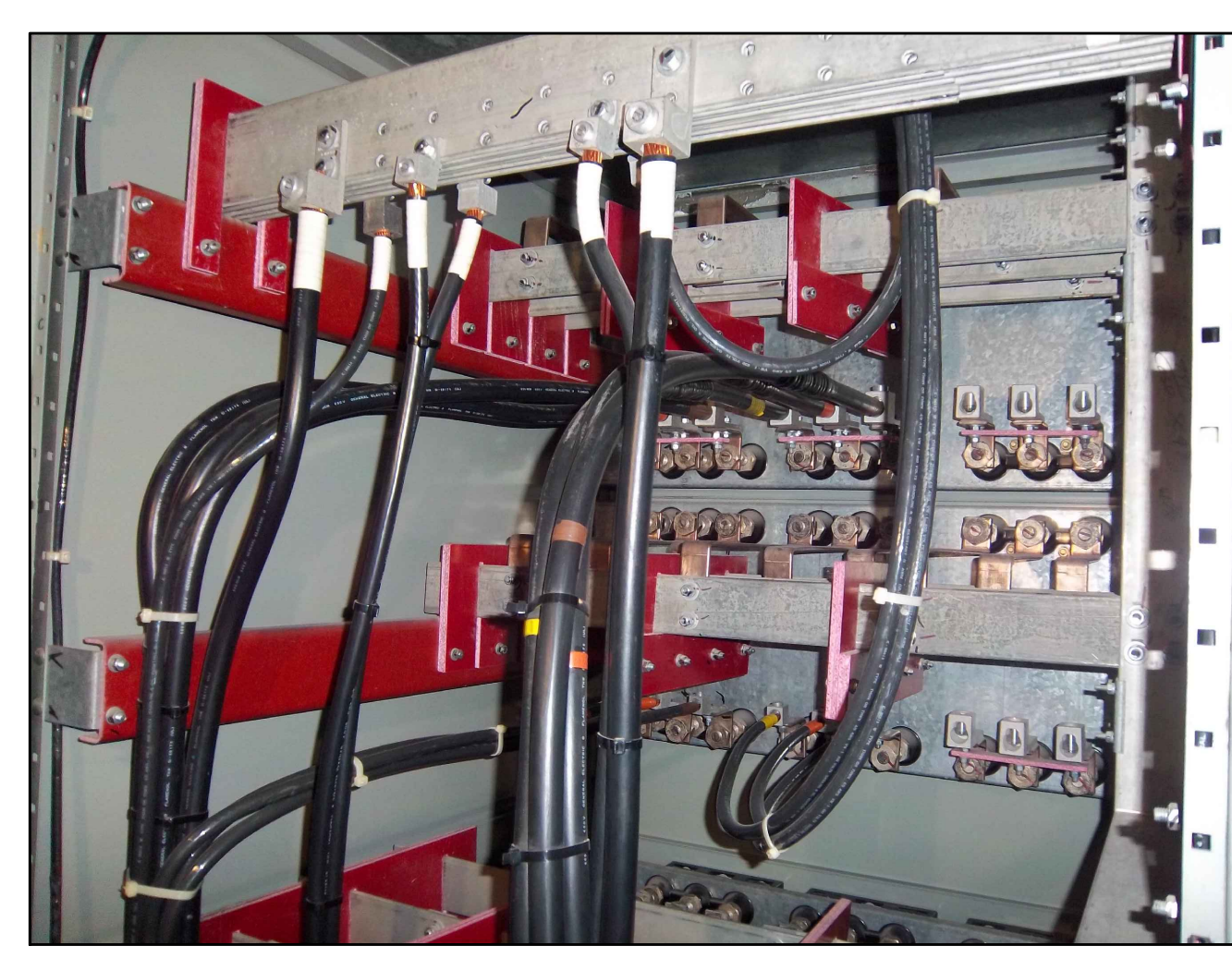
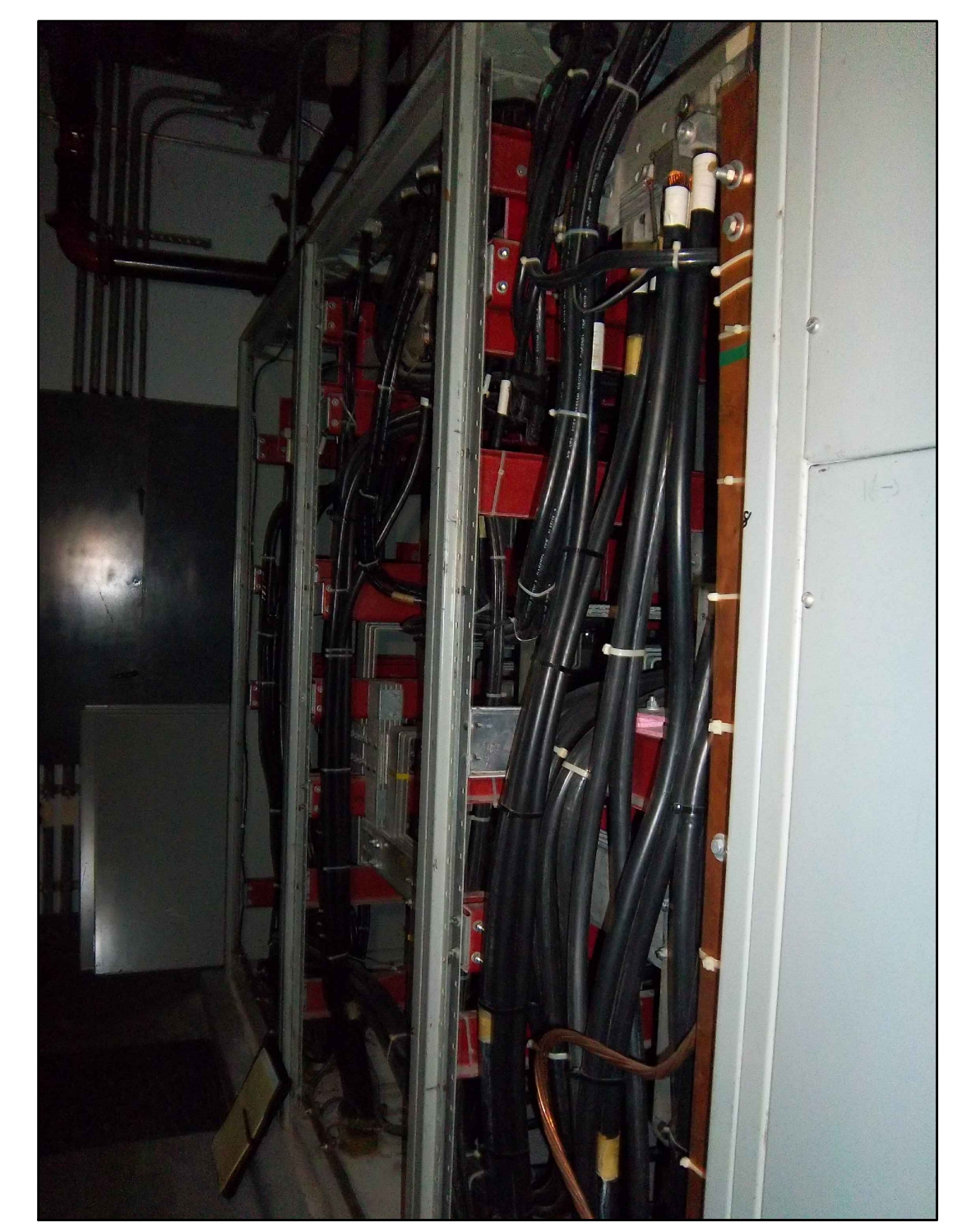
- GENERAL NOTES**
- THIS WORK WILL REQUIRE MULTIPLE SERVICE SHUT DOWNS. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WITH OWNER. SHUT DOWN OF THE ELECTRICAL SERVICE SHALL ONLY BE ON THE WEEKENDS (AFTER 6PM FRIDAY AND RE-ENERGIZED BY 7AM MONDAY) AS COORDINATED WITH THE OWNER. IF WORK IS TO BE DONE DURING WINTER MONTHS, CONTRACTOR SHALL FURNISH A GENERATOR TO MAINTAIN MINIMAL MECHANICAL EQUIPMENT TO PROVIDE ENOUGH HEAT AS TO AVOID PIPES FROM FREEZING DURING THE WEEKEND SHUTDOWNS.
  - NEW BREAKERS TO BE INSTALLED SHALL BE BY ONE OF THE FOLLOWING MANUFACTURERS: GE, SQUARE D OR CUTLER-HAMMER. BREAKER MANUFACTURER WILL NEED TO PROVIDE CUSTOM MOUNTING AND CONNECTIONS TO THE EXISTING BUS BARS. THE EXACT DETAILS FOR THIS CAN NOT BE DETERMINED UNTIL AFTER THE CONTRACT IS AWARDED AND THE SERVICE CAN BE SHUT DOWN REVEALING THE EXISTING CONDITIONS.
  - CONTRACTOR SHALL FURNISH ALL NECESSARY BRACING, ETC. FROM THE ATS MANUFACTURER TO ALLOW FOR THE INSTALLATION OF THE NEW SWITCH. THIS MAY REQUIRE THE ABILITY TO TIP AND/OR PLACE THE SWITCH HORIZONTALLY TO BE ABLE TO GET THE SWITCH THROUGH EXISTING DOOR OPENINGS.
  - TEMPORARY SHEETS OF PLYWOOD OVER OPENINGS IN FLOOR IN THIS AREA ARE TO BE REMOVED AND THE FLOOR FILLED IN WITH NEW CONCRETE. REFER TO DRAWING #1 THIS WORK IS TO BE DONE FIRST PRIOR TO ORDERING NEW ATS. SO FLOOR WILL BE SET TO REMOVE OLD SWITCH AND INSTALL NEW.
  - CONTRACTOR SHALL PROVIDE A COORDINATION STUDY BASED ON THE NEW FUSES IN THE MAIN SWITCH AND ALL NEW BREAKERS FURNISHED IN THE SWITCH BOARD. THE STUDY SHALL BE GENERATED FROM AN APPROVED SOFTWARE PROGRAM CAPABLE OF PLOTTING AND DRAWING THE CURRENT CHARACTERISTIC CURVES. ALSO THE STUDY SHALL REPORT DEVICE SETTINGS AND RATINGS OF ALL OVERCURRENT PROTECTIVE DEVICES (BUILDING W/D) AND SHALL DEMONSTRATE SELECTIVE COORDINATION BY COMPUTER GENERATED TIME-CURRENT COORDINATION PLOTS.
  - CONTRACTOR SHALL CONNECT NEW RECEPTACLES TO EXISTING BRANCH CIRCUIT CURRENTLY SERVING RECEPTACLES IN THIS ROOM WITH 2 #12 - #12S IN 3/4".



**SWITCHGEAR ROOM PART PLAN**

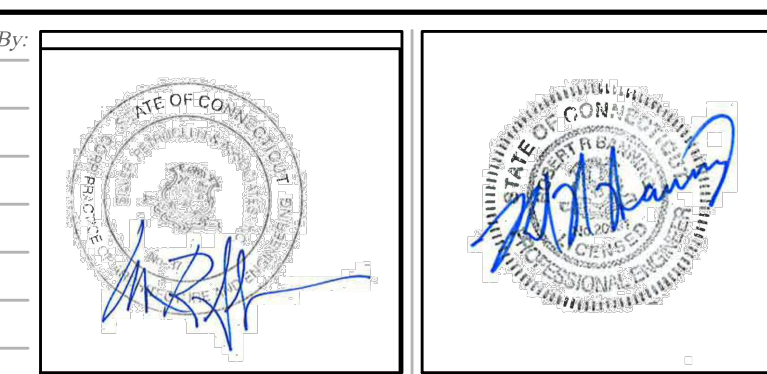
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2  
E3

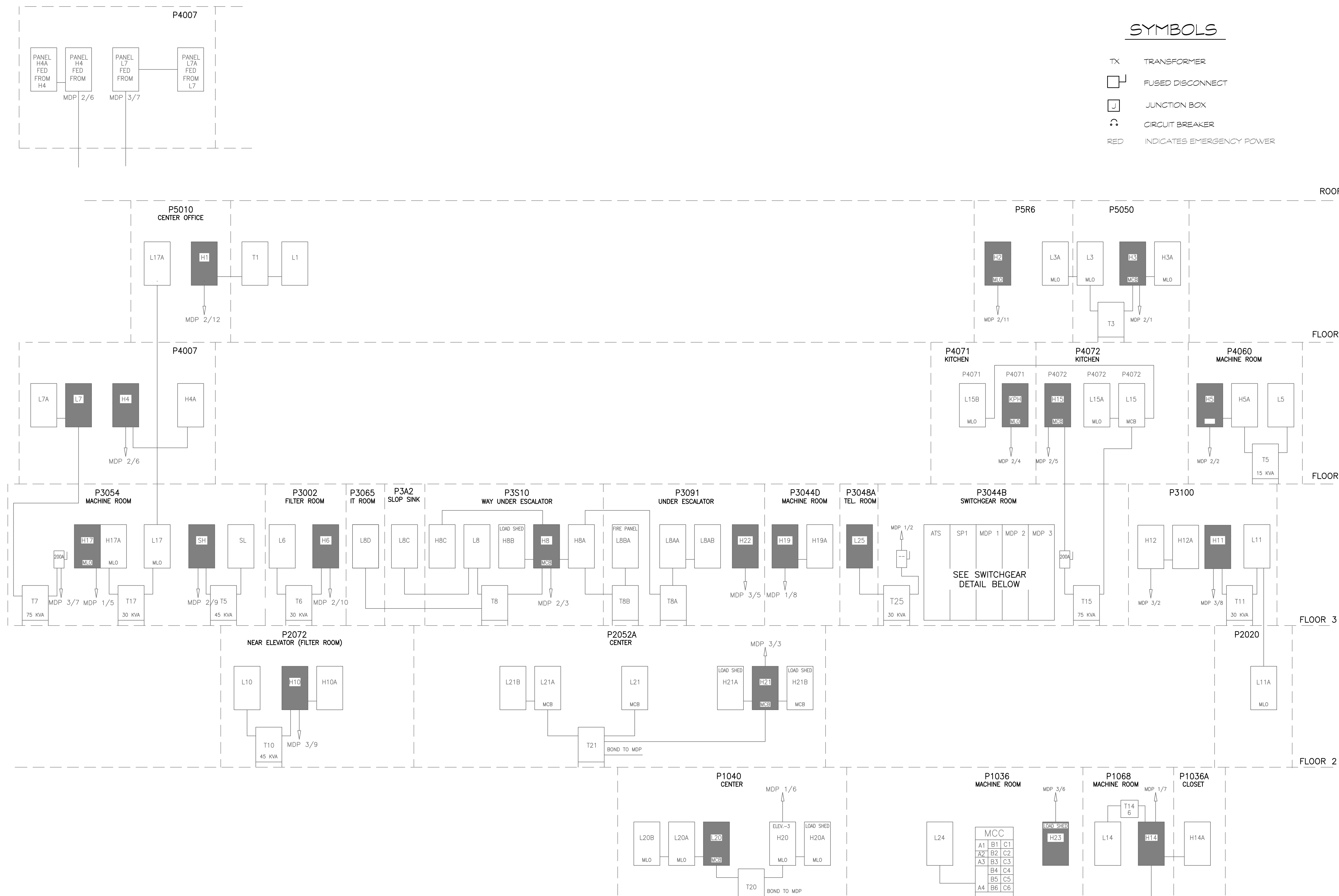


**KEY PLAN**  
SCALE: NONE

Revision	Description	Date	Revised By
1	ADDENDUM #1	9/27/19	SEC





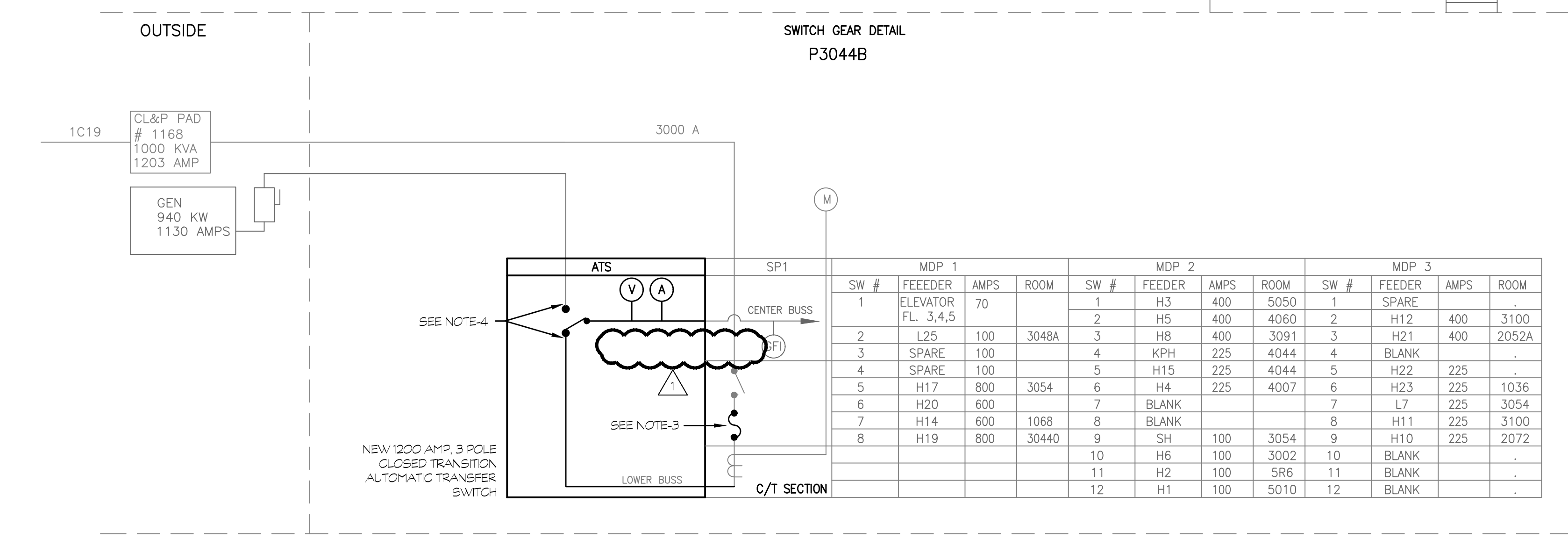


### SYMBOLS

- TX TRANSFORMER
- [ ] FUSED DISCONNECT
- [ ] JUNCTION BOX
- [ ] CIRCUIT BREAKER
- RED INDICATES EMERGENCY POWER

### GENERAL NOTES

1. OTHER THAN THE ATS, ALL OTHER ELECTRICAL PANELS, TRANSFORMERS AND SWITCH-BOARD ARE EXISTING TO REMAIN.
2. IN THE THREE EXISTING DISTRIBUTION SECTIONS OF THE SWITCH-BOARD, ALL EXISTING FUSED SWITCHES WILL BE REPLACED WITH NEW COMPATIBLE CIRCUIT BREAKERS ONE FOR ONE.
3. THE EXISTING 3000 AMP FUSES IN THE SERVICE ENTRANCE SWITCH, SHALL BE REPLACED WITH NEW 1200 AMP FUSES.
4. THE EXISTING NORMAL AND STANDBY FEEDERS (FROM THE SERVICE ENTRANCE SWITCH AND THE GENERATOR) ARE TO BE RECONNECTED TO THE NEW ATS. CONTRACTOR SHALL WIRE FROM THE LOAD SIDE OF THE NEW TRANSFER TO THE CENTER BUSES OF THE EXISTING SWITCHBOARD WITH 12 REG. W/CH-3 RD. CS.
5. NOT USED.
6. SPLICING OF EXISTING FEEDERS WILL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER.

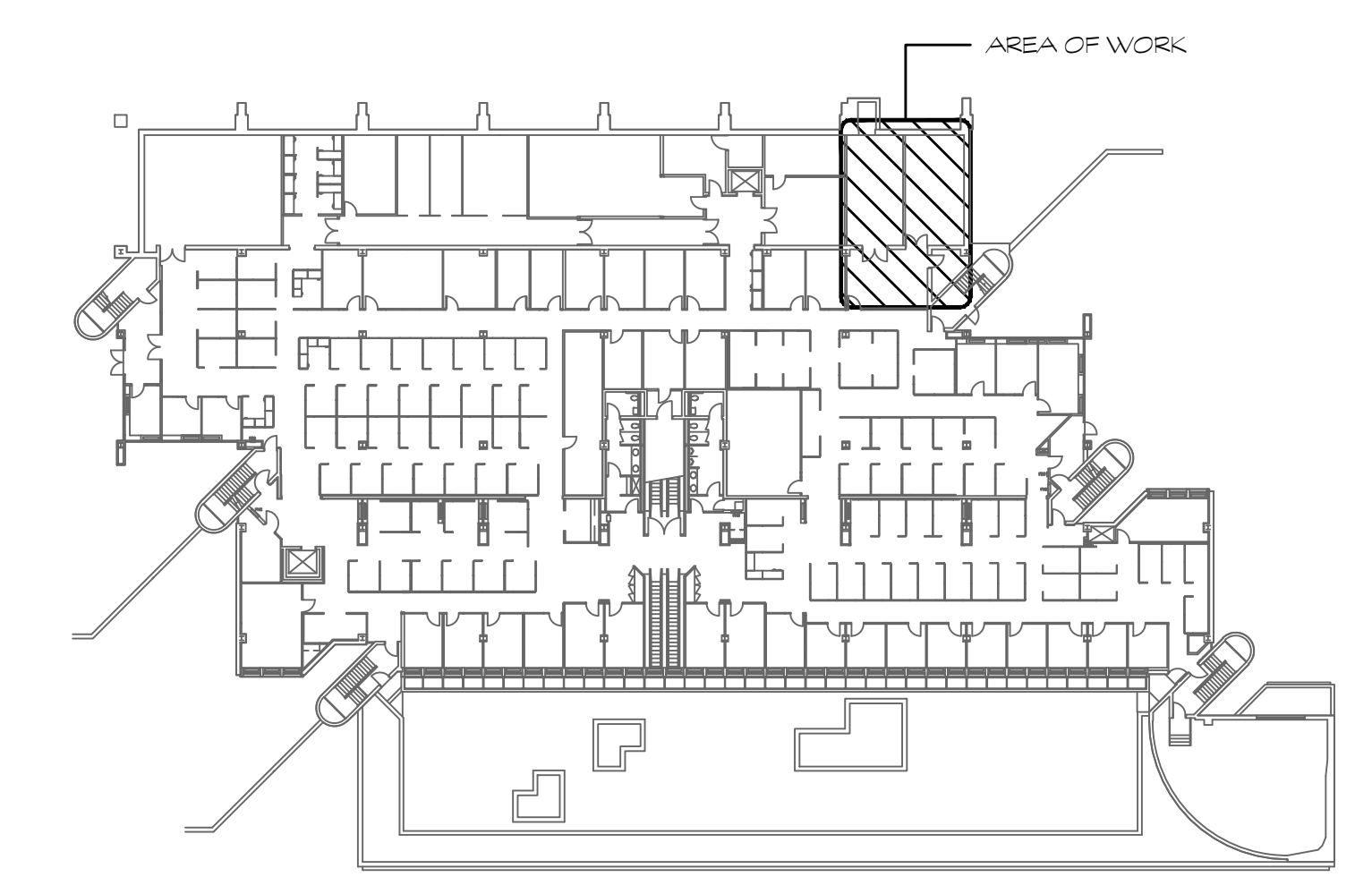


### MCC DETAIL P1036

CIRCULE	DESCRIPTION	CR.	LOAD	AMPS	DISC.	FUSE	SIZE	
A1	ENTRANCE	-	-	-	-	-	-	
A2	SPACE	-	-	-	-	-	-	
A3	SPACE	-	-	-	-	-	-	
A4	15 KVA TRANSFORMER DISC.	1	15 KVA	20	30 A	20 A	-	
A5	15 KVA TRANSFORMER	2	15 KVA	-	-	-	-	
B1	PUMP P-12	3	10 HP	14	30 A	20 A	2	
B2	PUMP P-13	4	10 HP	14	30 A	20 A	2	
B3	PUMP P-10	5	7.5 HP	11	30 A	15 A	1	
B4	PUMP P-11	6	7.5 HP	11	30 A	15 A	1	
B5	SPACE	-	-	-	-	-	-	
B6	SPACE	-	-	-	-	-	-	
C1	COOLING TOWER #1 FAN	7	15 HP	21	60 A	25 A	2	
C2	COOLING TOWER #2 FAN	8	15 HP	21	60 A	25 A	2	
C3	SUPPLY AIR FAN	9	3 HP	4	8	30 A	7 A	0
C4	EXHAUST AIR FAN	10	2 HP	3	4	30 A	4 A	0
C5	SPACE	-	-	-	-	-	-	
C6	SPACE	-	-	-	-	-	-	

### PANEL LABELING CODE

- L8BA BLANK 1ST PANEL
- A BLANK 2ND PANEL
- B BLANK 3RD PANEL
- A BLANK 1ST TRANSFORMER
- B BLANK 2ND TRANSFORMER
- C BLANK 3RD TRANSFORMER
- L FEEDER NUMBER FROM MDP
- L 1200 AMP PANEL
- L 2700 AMP PANEL



1 ONE LINE DIAGRAM  
SCALE NONE

KEY PLAN  
SCALE NONE

