

Buyer

UNIVERSITY OF CONNECTICUT HEALTH CENTER

Telephone Number

Procurement Operations & Contracts

E-mail Address

263 Farmington Avenue, MC4036

Farmington, CT 06032-4036

Fax Number

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:

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: October 4, 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. 3.

General Information/Clarifications: NOT USED

Changes to the Specifications: NOT USED

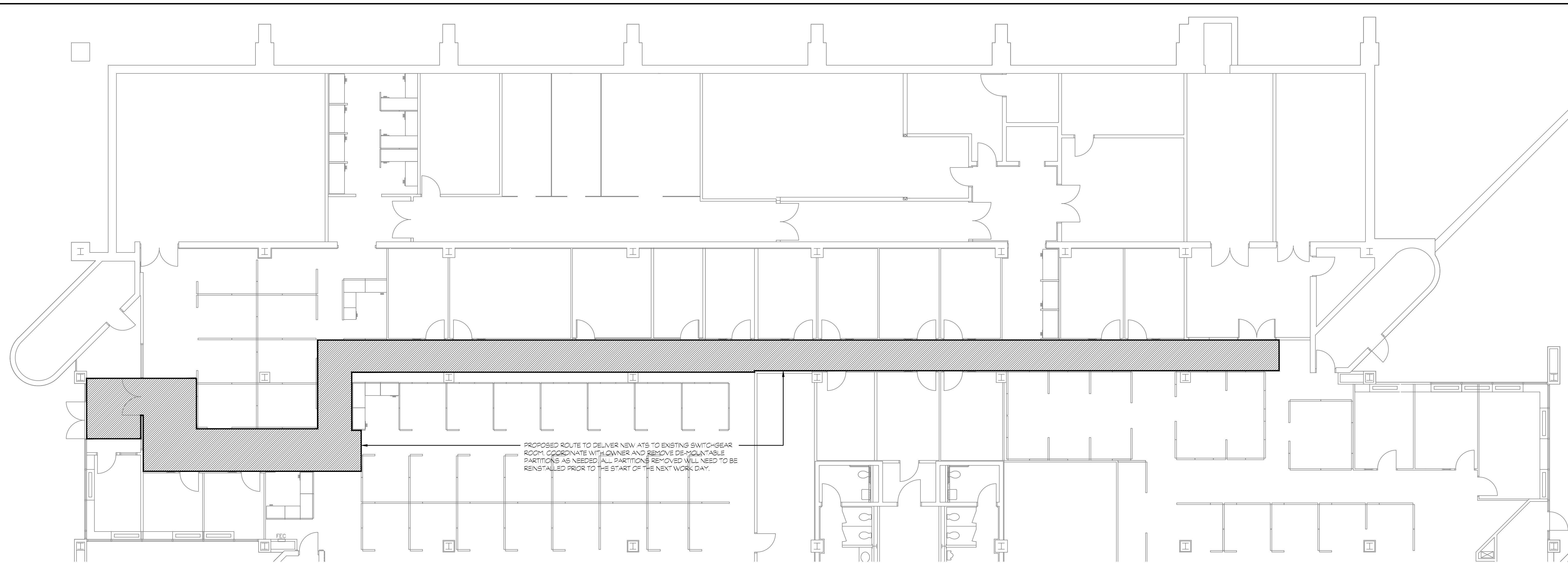
Changes to the Drawings:

- **DELETE:** The following Drawings in their entirety:
 - E3 “Partial Third Floor Plans - Electrical”
- **ADD:** The following Revised Drawings, dated October 4, 2019, attached as part of this addendum:
 - E3“Partial Third Floor Plans - Electrical”

The bid due date is unchanged by this Addendum.

The Addendum consists of one (1) page of 8½” x 11” text, and 1 (one) page of 30” x 42” drawings.

End of Addendum #3

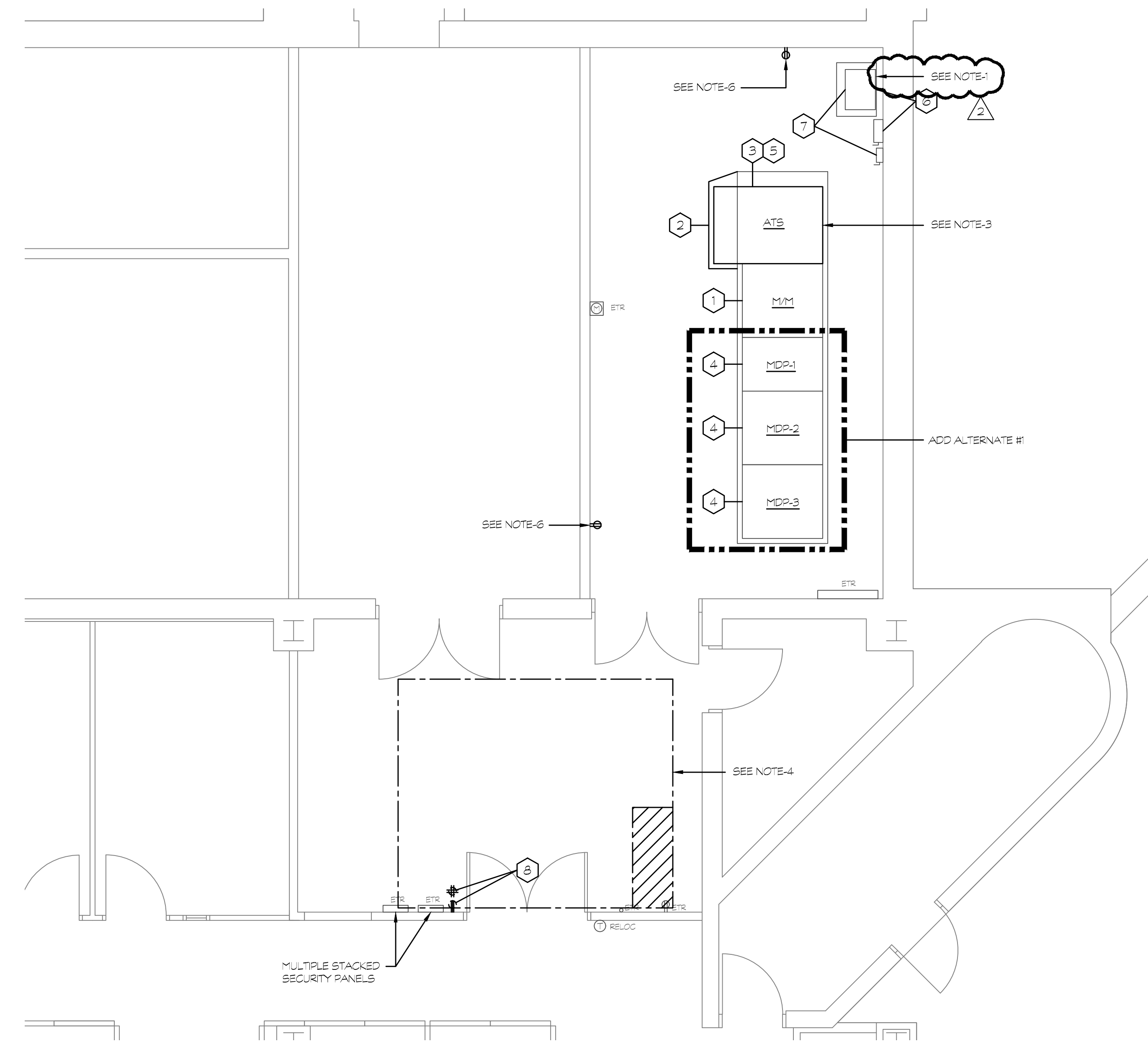
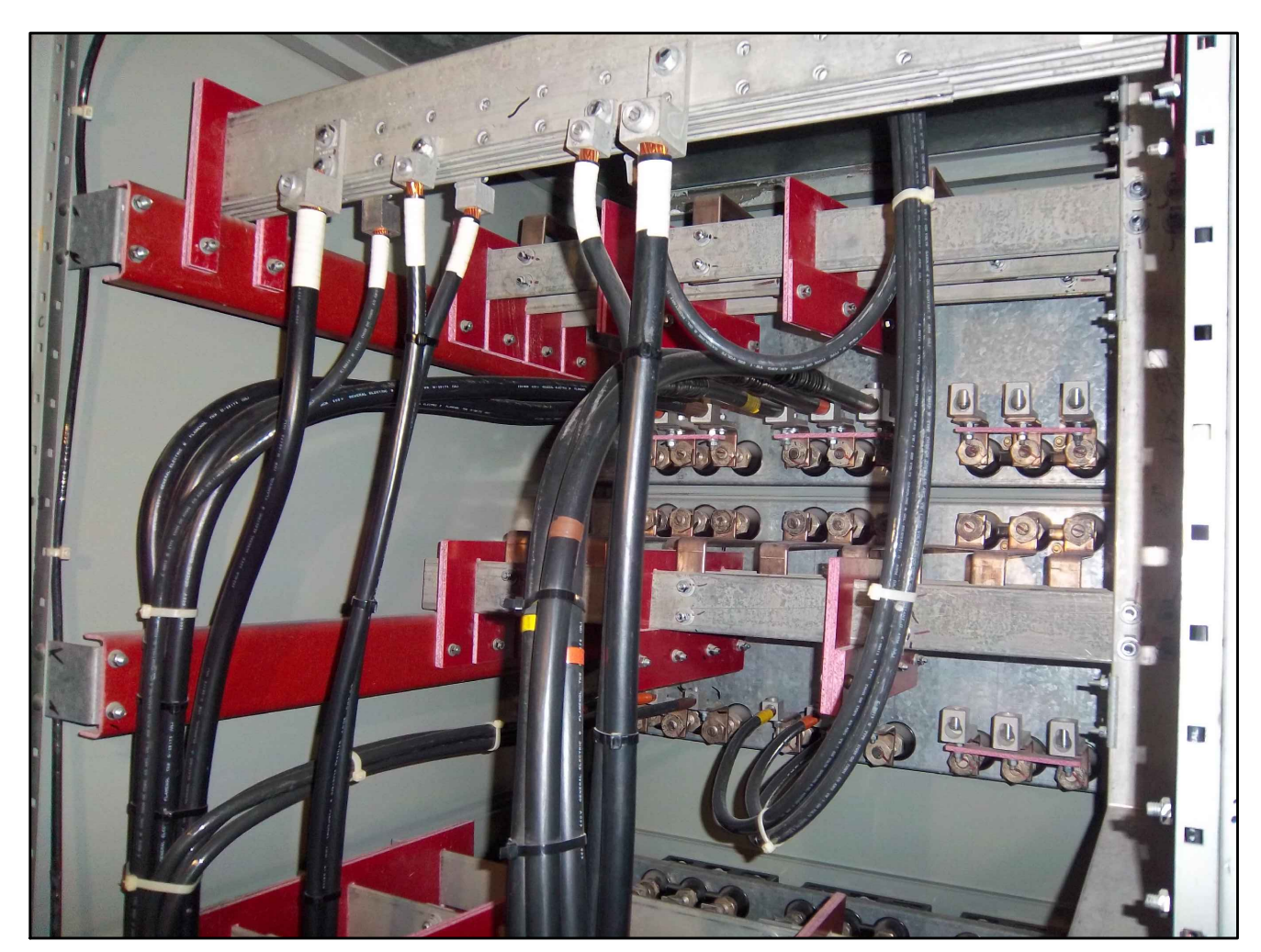
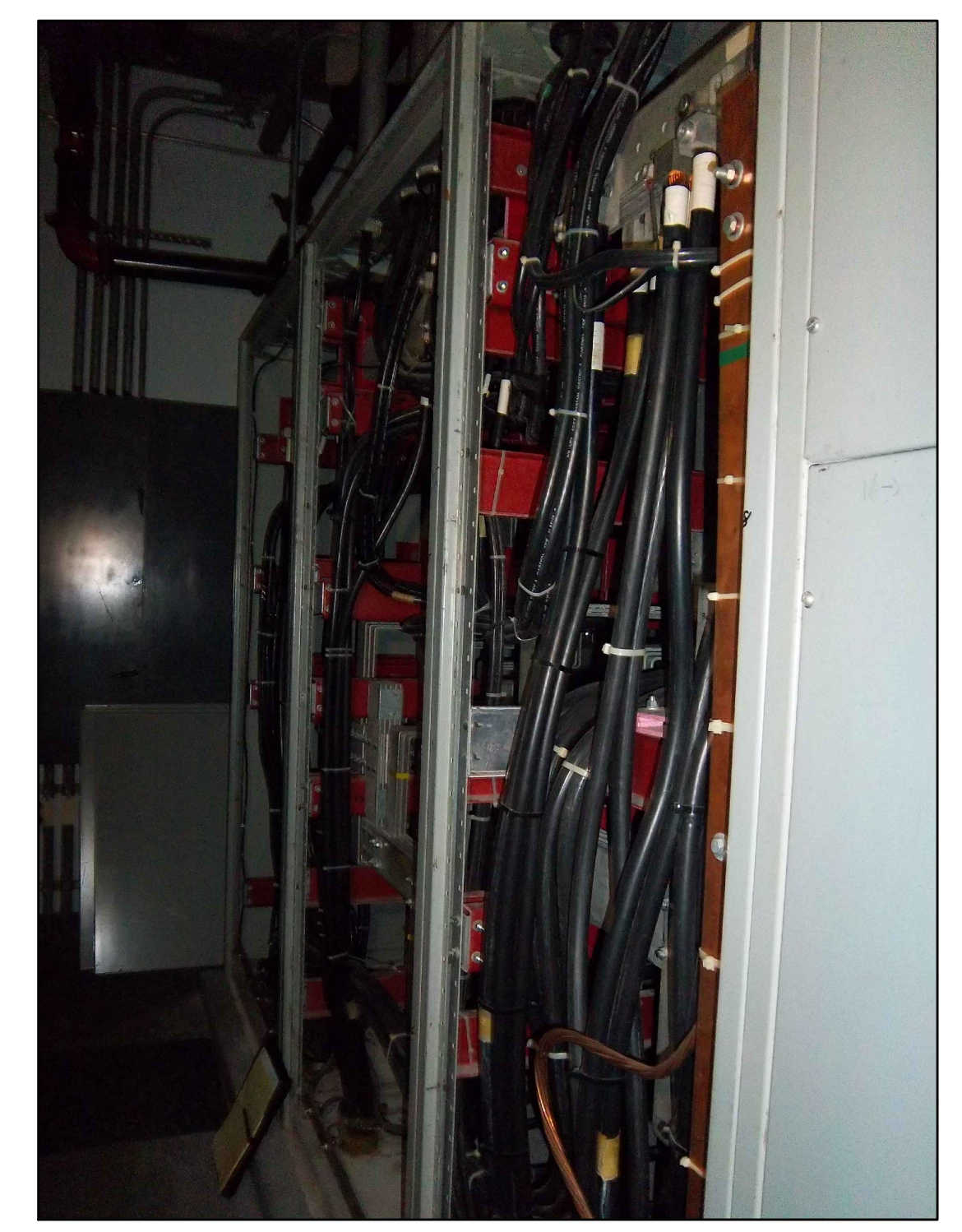


PARTIAL THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

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 SWITCHBOARD HAS BEEN REDUCED TO 1200 AMPS. (SEE GENERAL NOTES #1 & 5). IN ADDITION THE CONTRACTOR SHALL ADD AN INFRARED SORT 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. RELOCATE EXISTING FEEDERS (NORMAL, STANDBY & LOAD) TO THE NEW TRANSFER SWITCH THAT WERE MADE SAFE DURING THE DEMOLITION PHASE. THE NEW SWITCH SHALL BE FURNISHED WITH AN INFRARED SORT 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 MANUFACTURERS 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 MOCKUP OF THE EXISTING CUBICLE WITH THE NEW BREAKER INSTALLED TO VERIFY PROPOSED SOLUTION WORKS AND THAT THERE WILL BE NO LOG SIZE CONDUIT/CROSSOVERS. THIS WORK WILL NEED TO BE PHASED, SINCE THE SHUT DOWNS CAN ONLY BE DONE ON THE WEEKENDS (SEE GENERAL NOTES #1, 2 & 5). REFER TO DRAWING #1 FOR ELEVATION AND SCHEDULES OF EXISTING DISTRIBUTION SECTIONS #1, #2, #3 & #4. CONTRACTOR WILL HAVE AN OPPORTUNITY TO RESPOND #15 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 DEMOLITION PLAN THE EXISTING SECONDARY FEEDER CURRENTLY RUNS THROUGH SWITCH BOARD SECTIONS #2 & #3, 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 DEMOLITION PHASE TO ACCOMMODATE INSTALLATION OF NEW DOUBLE DOORS TO THIS LOCATION (SAME ELEVATION AS PREVIOUS LOCATION). EXTEND EXISTING BRANCH CIRCUIT WIRING TO NEW RECEPTACLE LOCATIONS.

- ### GENERAL NOTES
- THE ELECTRICAL SERVICE NEEDS TO REMAIN COMPLETELY OPERATIONAL DURING THIS RENOVATION. THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY ATS TO BE LOCATED IN THE CORNER OF THE ROOM AND BOTH THE NORMAL AND GENERATOR FEEDERS NEED TO BE TEMPORARILY REROUTED THROUGH THIS SWITCH AND BACK INTO THE BACK OF THE EXISTING MAIN SWITCH. ALSO PROVIDE A SIGN ON THE OUTSIDE OF THE ELECTRIC ROOM DOOR INDICATING "HAZARD - LIVE WIRES - STAY OUT" AND WARNING TAPE AT BOTH ENDS OF THE SWITCHGEAR/ATS MARKING OFF WHERE THE CABLES ARE. THE CONTRACTOR WILL NEED TO COORDINATE A WEEKEND SERVICE SHUT DOWN WITH EVERSOURCE AND THE OWNER FOR THE TEMPORARY ATS AFTER 6PM ON A FRIDAY AND HAVE THE SERVICE REGENERATED BEFORE 7AM THE FOLLOWING MONDAY. THE SAME WILL NEED TO BE DONE AT THE COMPLETION OF THE NEW ATS. THE RELOCATION OF THE TWO EXISTING TRANSFORMERS WILL NEED TO BE DONE AFTER THE NEW ATS IS INSTALLED AND OPERATIONAL.
 - 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 OPENING IN FLOOR IN THIS AREA ARE TO BE REMOVED AND THE FLOOR FILLED IN WITH NEW CONCRETE. REFER TO DRAWINGS #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 DIAGRAMMING THE CURRENT CHARACTERISTIC CURVES. ALSO THE STUDY SHALL REPORT DEVICE SETTINGS AND RATINGS OF ALL OVERCURRENT PROTECTIVE DEVICES (BUILDING WIDE) 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 - #12 IN 1/2" C.

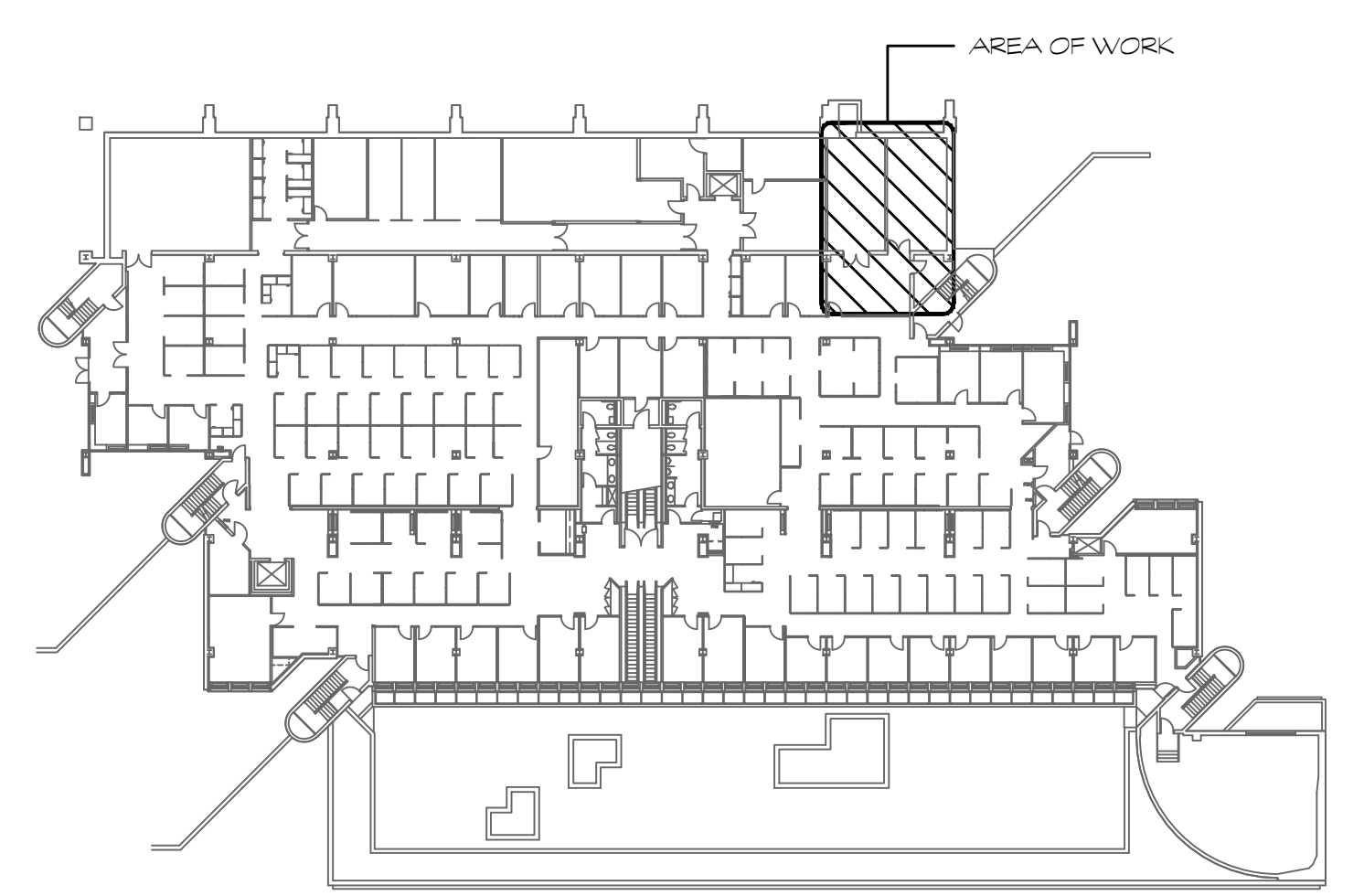


SWITCHGEAR ROOM PART PLAN
SCALE: 1/4" = 1'-0"

2
E3

ADD ALTERNATE #1

ALL WORK ASSOCIATED WITH THE REPLACEMENT OF THE EXISTING BREAKERS IN THE THREE EXISTING DISTRIBUTION SECTIONS IS TO BE PRICED SEPARATELY AS PART OF ADD ALTERNATE #1. AT THE COMPLETION OF THE WORK INDICATED THE CONTRACTOR SHALL HAVE U.L. COME OUT AND TEST AND CERTIFY THAT EACH DISTRIBUTION SECTION IS A COMPLETE LISTED ASSEMBLY.



KEY PLAN
SCALE: NONE

Revision	Description	Date	Revised By
1	ADDENDUM #1	9/27/19	SEC
2	ADDENDUM #3	10/4/19	SEC

