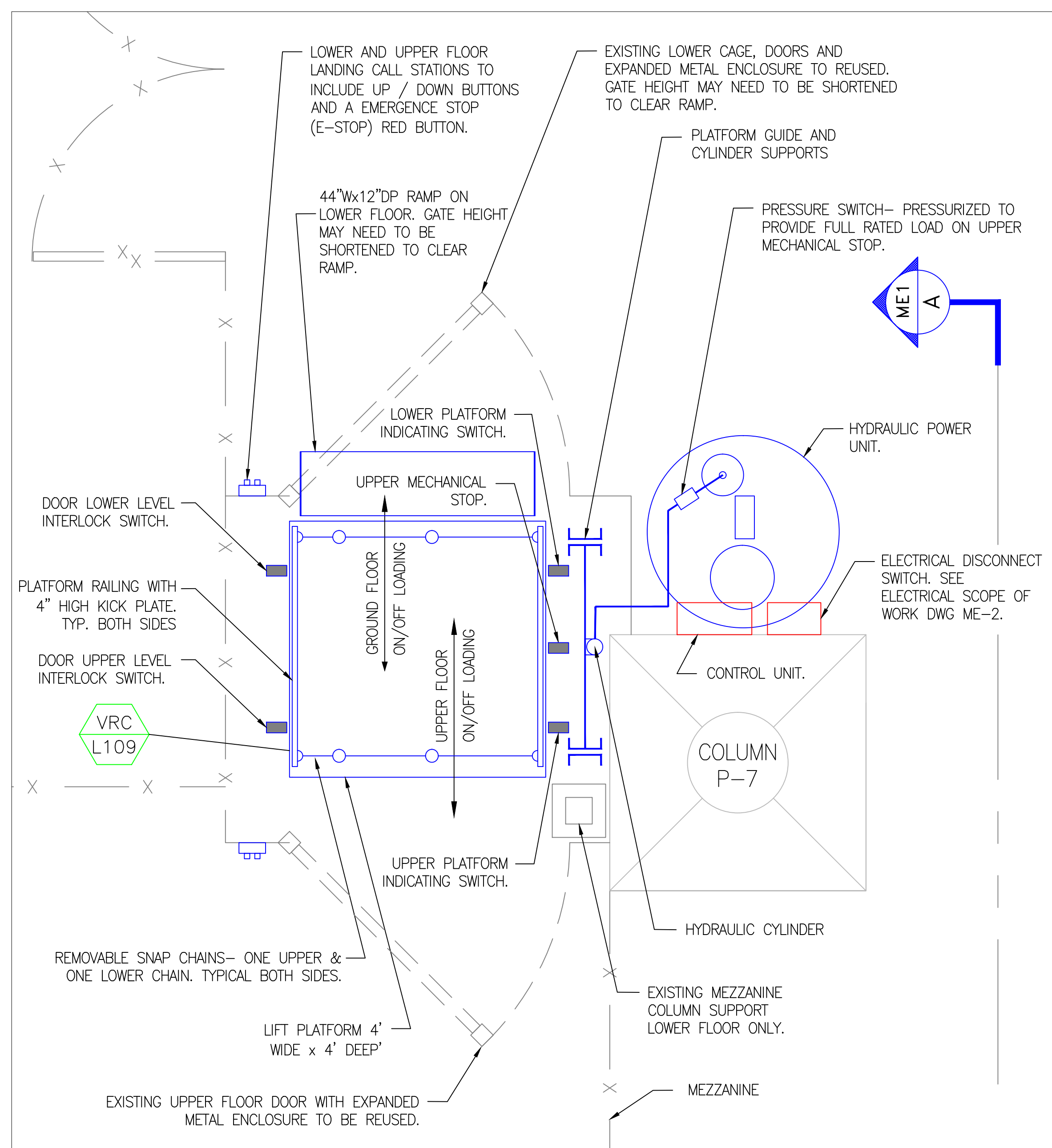
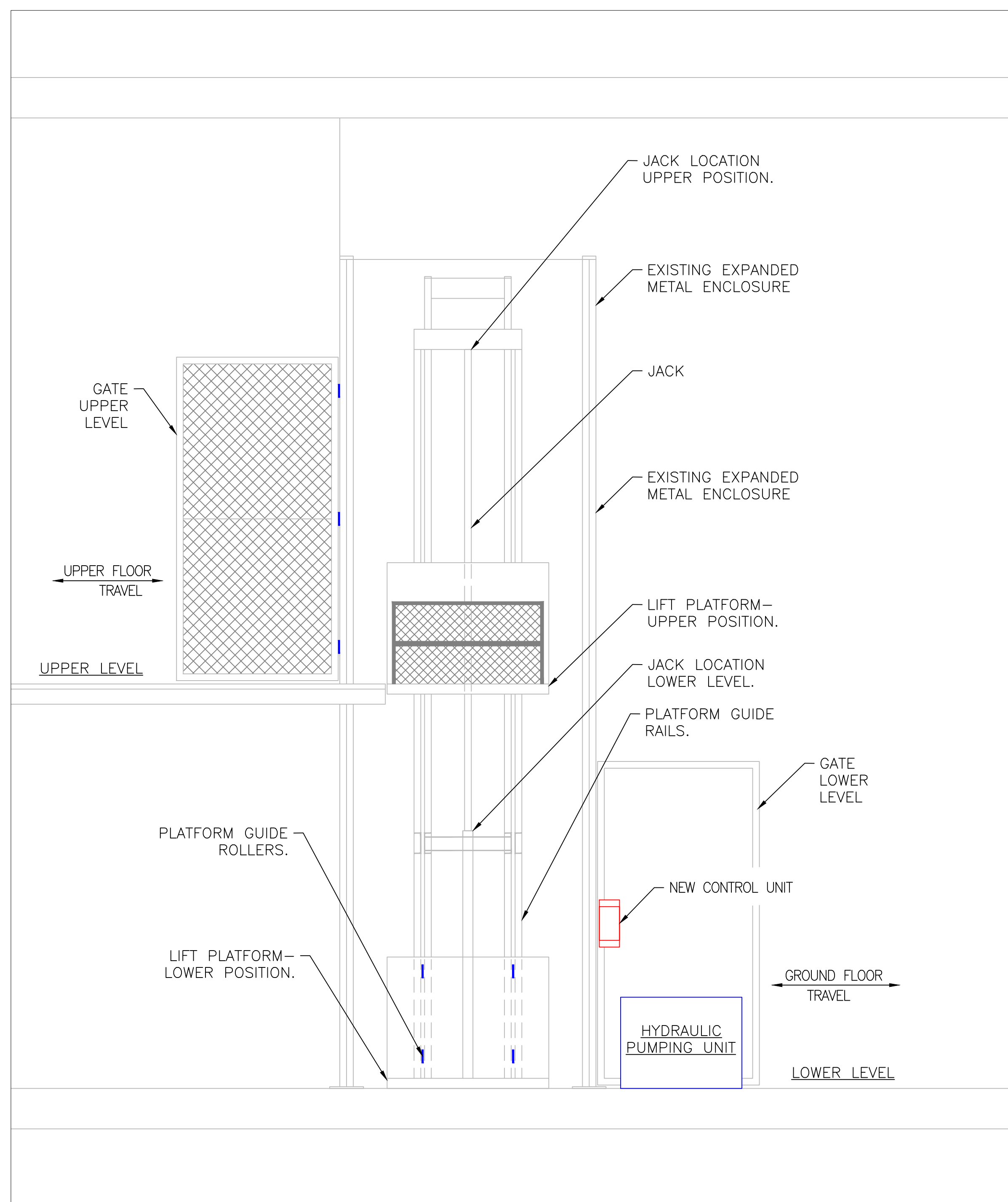


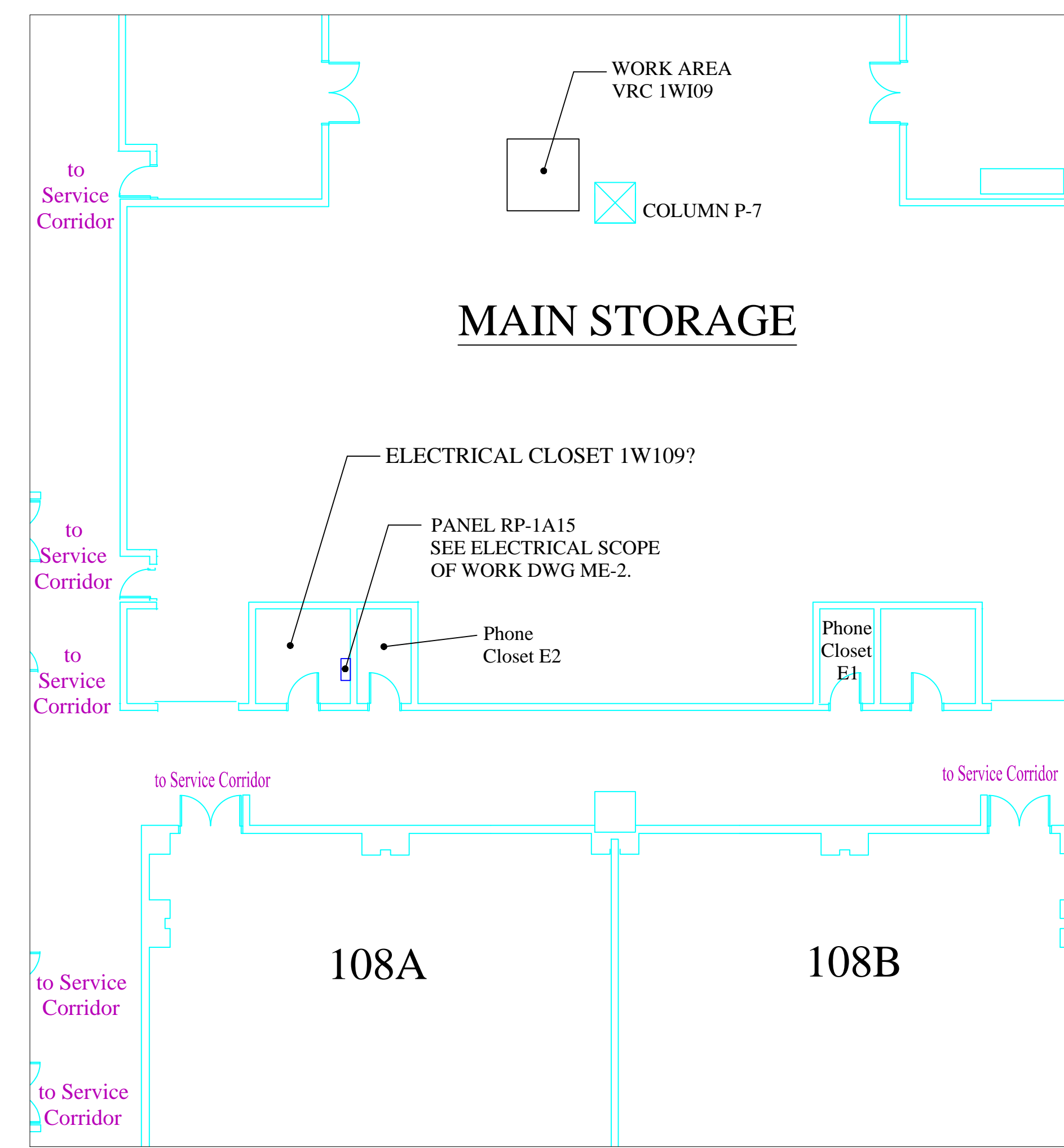
1 MATERIAL LIFT RM IW109 - REMOVALS  
SCALE: 3/4" = 1' - 0"



2 MATERIAL LIFT RM IW109 - INSTALLATION  
SCALE: 3/4" = 1' - 0"



A MATERIAL LIFT RM IW109 - INSTALLATION ELEVATION  
SCALE: 1/2" = 1' - 0"



3 WORK LOCATION  
SCALE: 3/32" = 1' - 0"

GENERAL NOTES

- ELEVATOR CONTRACTOR SHALL PROVIDE ALL WORK REQUIRED BY THE AUTHORITY HAVING JURISDICTION TO SATISFY ALL EXISTING CODES AND STANDARDS ASSOCIATED WITH THE VERTICAL RECIPROCATING CONVEYOR INSTALLATIONS.

MECHANICAL CONTRACTOR SCOPE OF WORK

REMOVALS:

- REMOVE EXISTING VERTICAL RECIPROCATING CONVEYOR (VRC), HYDRAULIC CYLINDER, HOSE, LIMIT SWITCHES, CONTROLS AND PUMPING UNIT.
- REMOVE EXISTING EXPANDED METAL ENCLOSURE AND DOOR FOR BOTH LEVELS. NEW VRC NEEDS TO FIT WITHIN THE EXISTING ENCLOSURE.
- DISCONNECT AND REMOVE ALL ELECTRICAL AND CONTROL EQUIPMENT, DEVICES, INSTRUMENTS AND SWITCHES WITH ALL WIRE AND CONDUIT FOR THE EXISTING LIFT. WHERE DESCRIBED IN THE ELECTRICAL SCOPE OF WORK ON DWG ME-2 WILL BE PERFORMED BY AND ELECTRICAL CONTRACTOR WORKING DIRECTLY FOR THE FAC.
- REMOVE EXISTING HYDRAULIC POWER UNIT, JACK AND HYDRAULIC HOSE.
- ALL REMOVED MATERIAL AND EQUIPMENT NEEDS TO BE PROPERLY DISPOSED OF.

INSTALLATION:

- BEFORE PURCHASING VRC (VERTICAL RECIPROCATING CONVEYOR) CONTRACTOR TO MEASURE INTERIOR OF EXPANDED METAL ENCLOSURE AND CONFIRM VRC CAN BE INSTALLED WITHIN IT. ALSO, CONTRACTOR SHOULD CONFIRM THE REQUIRED VRC LIFT.
- PURCHASE VRC PER SPECIFICATION 14-50-00 AND DETAILS ME1-2 AND ME2-2.
- INSTALL NEW HYDRAULIC VRC INCLUDING HYDRAULIC CYLINDER, HOSE, LIMIT SWITCHES, CONTROLS AND PUMPING UNIT PER SPECIFICATION 14-50-00, DRAWINGS ME-1, ME-2 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE VRC INSTALLATION SHALL PROVIDE A COMPLETE AND FUNCTIONING SYSTEM AS DESCRIBED IN THE VRC SPECIFICATION.
- LOCATIONS OF LIMIT SWITCHES MAY VARY BASED ON LOCATION OF SWITCHES ON SUPPLIED MATERIAL LIFT.
- INSTALL NEW VRC CONTROLS, LIMIT SWITCHES, E-STOP SWITCHES AND LANDING CALL STATIONS.
- WITH THE EXCEPTIONS OF THE ELECTRICAL SCOPE OF WORK ON DWG ME-2, ALL ELECTRICAL WORK TO BE DONE BY AND ELECTRICAL SUBCONTRACTOR WORKING FOR THE VRC CONTRACTOR.
- ELECTRICAL SCOPE OF WORK IS ON DRAWING ME-2.

VRC (VERTICAL RECIPROCATING CONVEYOR)- PER SPEC 14-50-00 AND BELOW REQUIREMENTS																					
ITEM	QTY	LOCATION	LIFT TYPE	CONFIGURATION	LIFT RATING LBS	VERTICAL TRAVEL FEET	LEVELS OR STOPS	LIFT SPEED FT/MIN	MOTOR HP	MOTOR TYPE	MCA/MOP AMPS	OPERATING VOLTAGE	MOTOR AMPS	AVAILABLE SHORT CIRCUIT CURRENT	INCIDENT ENERGY @ 18 INCHES WORKPLANE	ARC FLASH BOUNDARY	PLATFORM SIZE FEET	ROLL-OFF REQUIRED /QUANTITY	LOADING PATTERN SEE NOTE (1)	CONTROLS	APPROVED MANUFACTURES AND PRODUCTS
L109	1	STORAGE ROOM IW-109	HYDRAULIC MATERIAL LIFT NO PASSENGERS	CANTILEVER	1000	10	2	16 TO 20	5	TEFC	-	208V/ 3ø/60HZ	16.7 FLA	1610 AMPS	0.82 (cal/cm2)	14 INCHES	4 X 4	YES/2 AT OPPOSITE ENDS OF PLATFORM	Z	2-LEVEL CALL/SEND	PFlow INDUSTRIES-SIMILAR TO MODEL D; AUTOQUIP-SIMILAR TO MODEL FLT-120-0015; ADVANCE LIFTS- SIMILAR TO MODEL VCH-1.5
L103	1	STORAGE ROOM IW-103	HYDRAULIC MATERIAL LIFT NO PASSENGERS	CANTILEVER	1000	10	2	16 TO 20	5	TEFC	-	208V/ 3ø/60HZ	16.7 FLA	2450 AMPS	0.63 (cal/cm2)	12 INCHES	4 X 4	YES/2 AT OPPOSITE ENDS OF PLATFORM	L	2-LEVEL CALL/SEND	PFlow INDUSTRIES-SIMILAR TO MODEL D; AUTOQUIP-SIMILAR TO MODEL FLT-120-0015; ADVANCE LIFTS- SIMILAR TO MODEL VCH-1.5

GENERAL NOTES

- LIFT APPLICATION IS THROUGH THE FLOOR WITH LOAD PATTERN (Z) LOAD/UNLOAD OPENING ON OPPOSITE SIDES OF THE LIFT PLATFORM OR LOAD PATTERN (L) 90 DEGREE LOAD PATTERN- ALLOWING A LOAD/UNLOAD OPENING AT RIGHT ANGLES ON THE LIFT PLATFORM.
- LOWER AND UPPER FLOOR LANDING CALL STATIONS TO INCLUDE UP / DOWN BUTTONS AND AN EMERGENCY STOP (E-STOP) RED BUTTON. PROVIDE TWO LIMIT SWITCHES TO INTERLOCK GATE AT UP AND LOWER LEVEL AND INCLUDE TWO FLOOR POSITION SWITCHES.
- PROVIDE HYDRAULIC POWER UNIT WHICH INCLUDES OIL RESERVOIR, PRESSURE COMPENSATED FLOW CONTROL VALVE, VELOCITY SENSING CHECK VALVE, PRESSURE RELIEF VALVE, DIRECT DRIVE PUMP/MOTOR, OIL FILTER AND ALL ELECTRICAL WIRING.
- HYDRAULIC OIL TYPE TO BE MANUFACTURED FOR USE IN FOOD-PROCESSING AND PREPARATION AREAS. THIS OIL TO BE NSF REGISTERED H1.
- PAINT ALL STEEL WITH INDUSTRIAL ENAMEL USING MANUFACTURE STANDARD COLOR.
- LIFT LOCATION IS INDOORS.

REVISIONS

ISSUE	DATE	REVISIONS
1	11/30/2022	ISSUED FOR REVIEW
2	12/06/2022	ISSUED FOR BID



PROFESSIONAL SEAL AND SIGNATURE

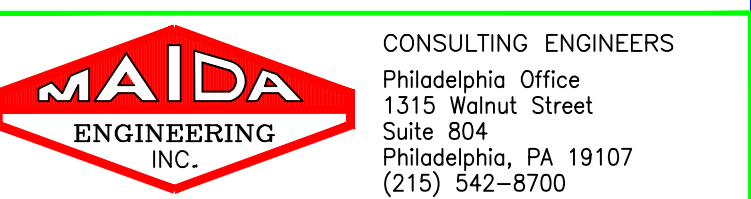


REGISTERED PROFESSIONAL ENGINEER IN PENNSYLVANIA  
NON-MEMBERS MUST BE CONTACTED DIRECTLY

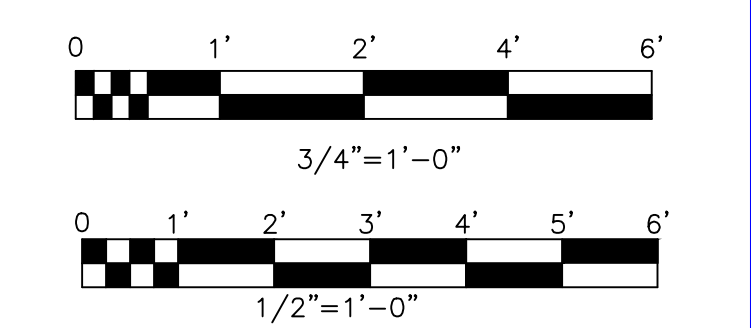
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DPP PROJECT COORDINATOR: XXXXXXXXXX

SEAL:



PROJECT NO. E44015 DATE 11/30/22  
PROJECT ENG. ALA  
CHECKED JFM 12/06/22



DPP PROJECT NUMBER: XX-XX-XXXX-XX

PROJECT TITLE: MATERIAL LIFT UPGRADE PROJECT

PHASE:

DRAWING TITLE: MATERIAL LIFT IW-109 MECHANICAL, ELECTRICAL INSTALLATION

PAC PROJECT NO: XX-XX-XXXX-XX DRAWING NO:

CONSULTANT PROJECT NO: E44015

DATE: 11-30-2022

SCALE: AS NOTED

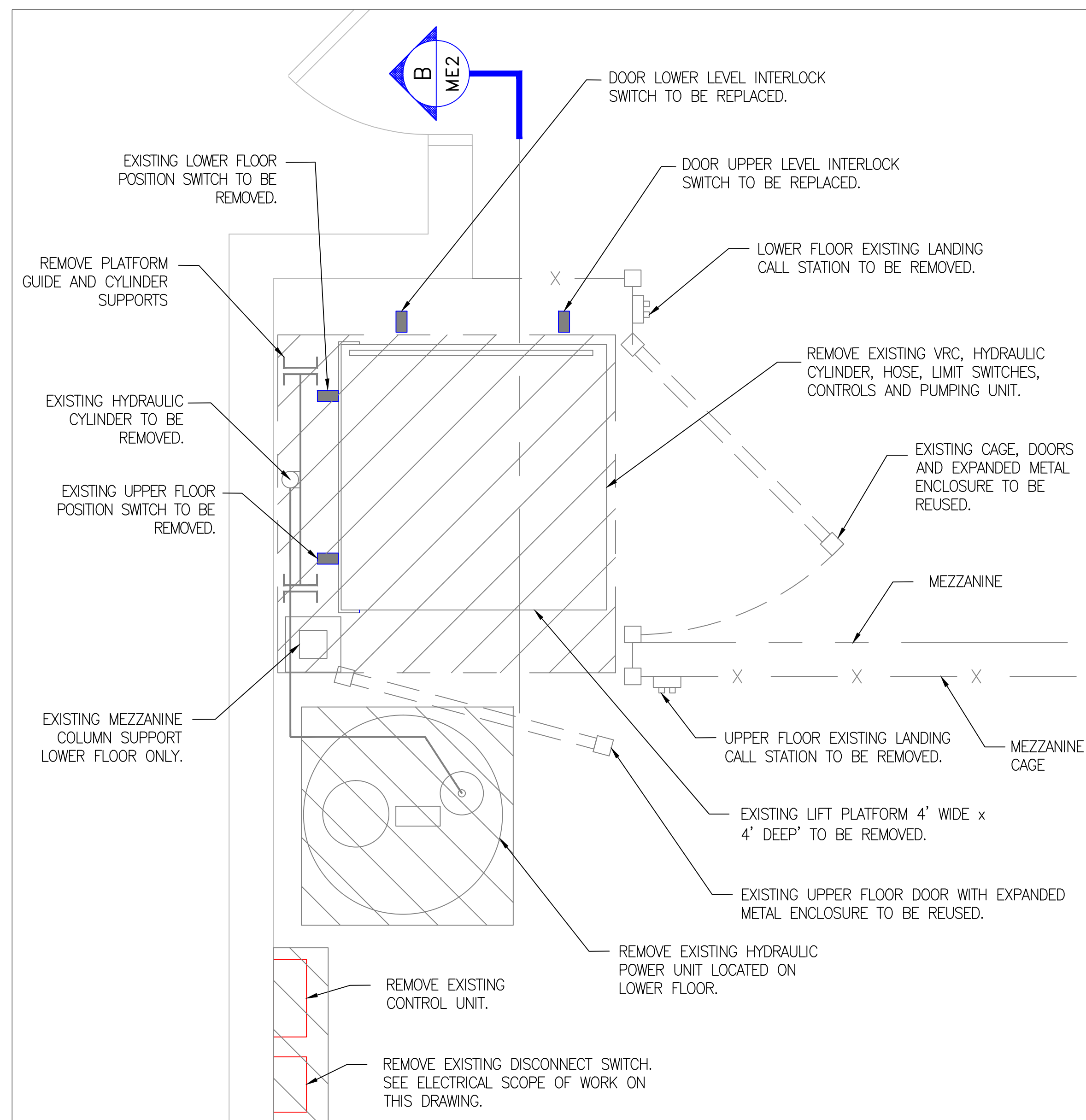
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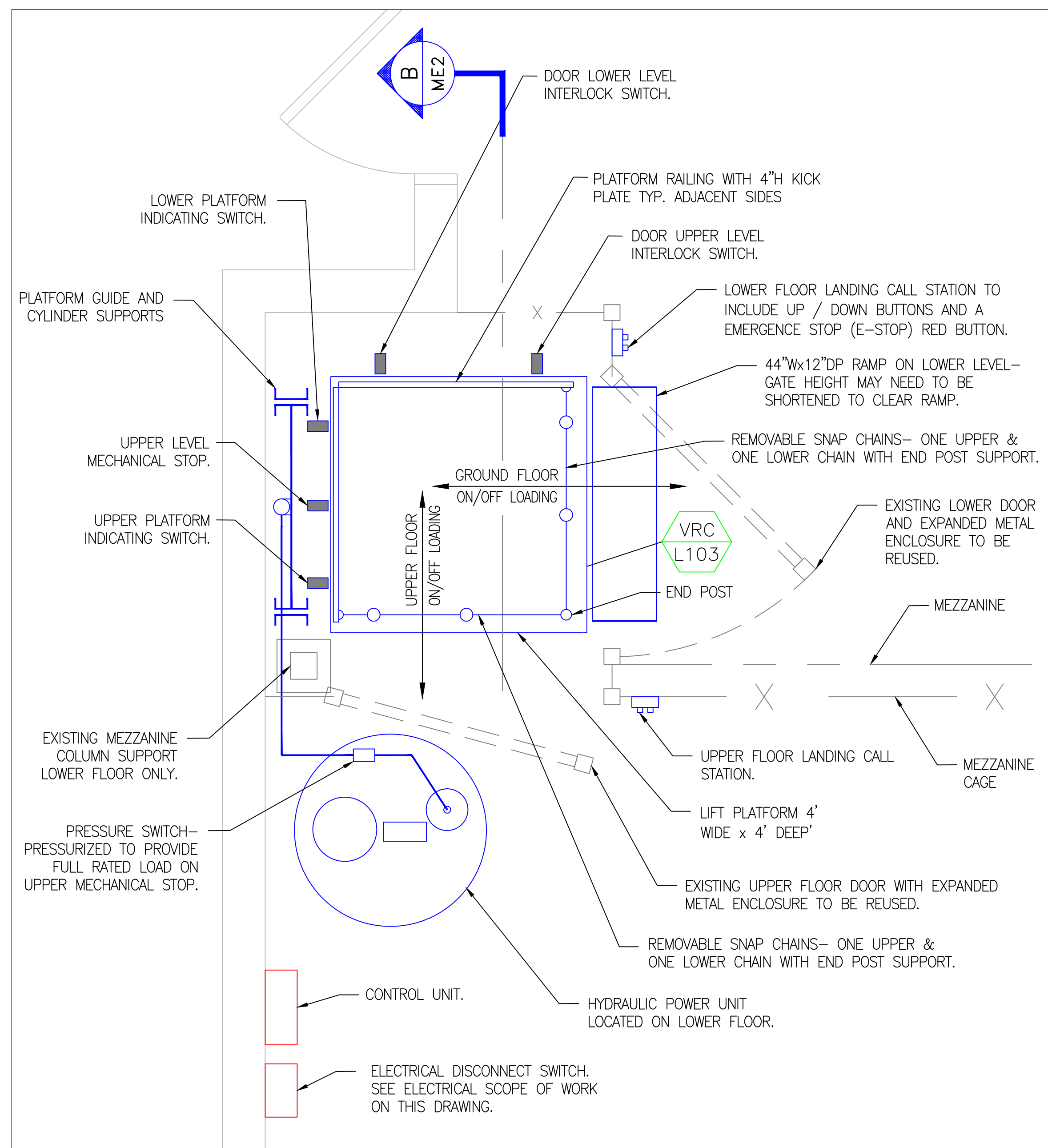
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

ME-1

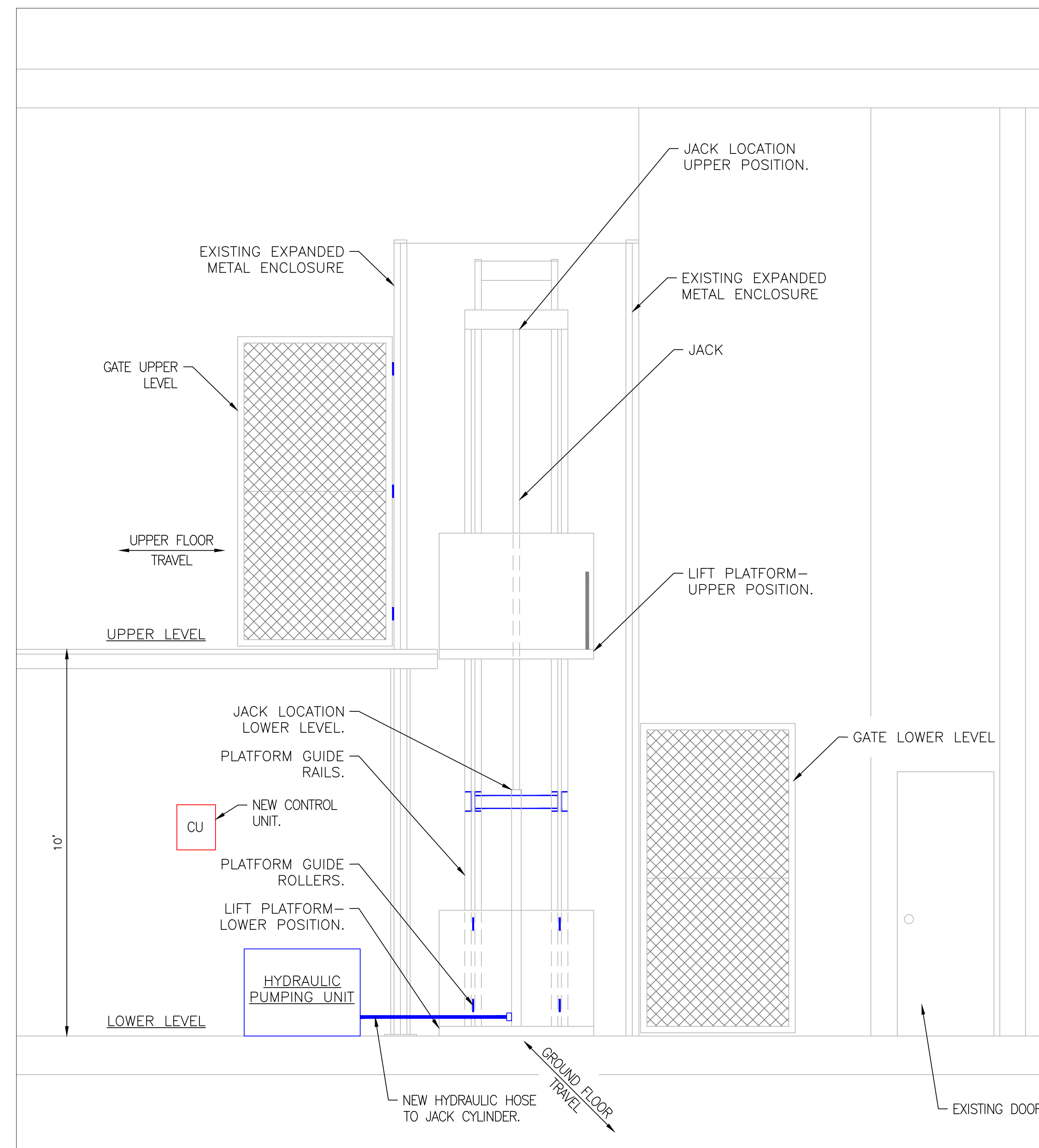




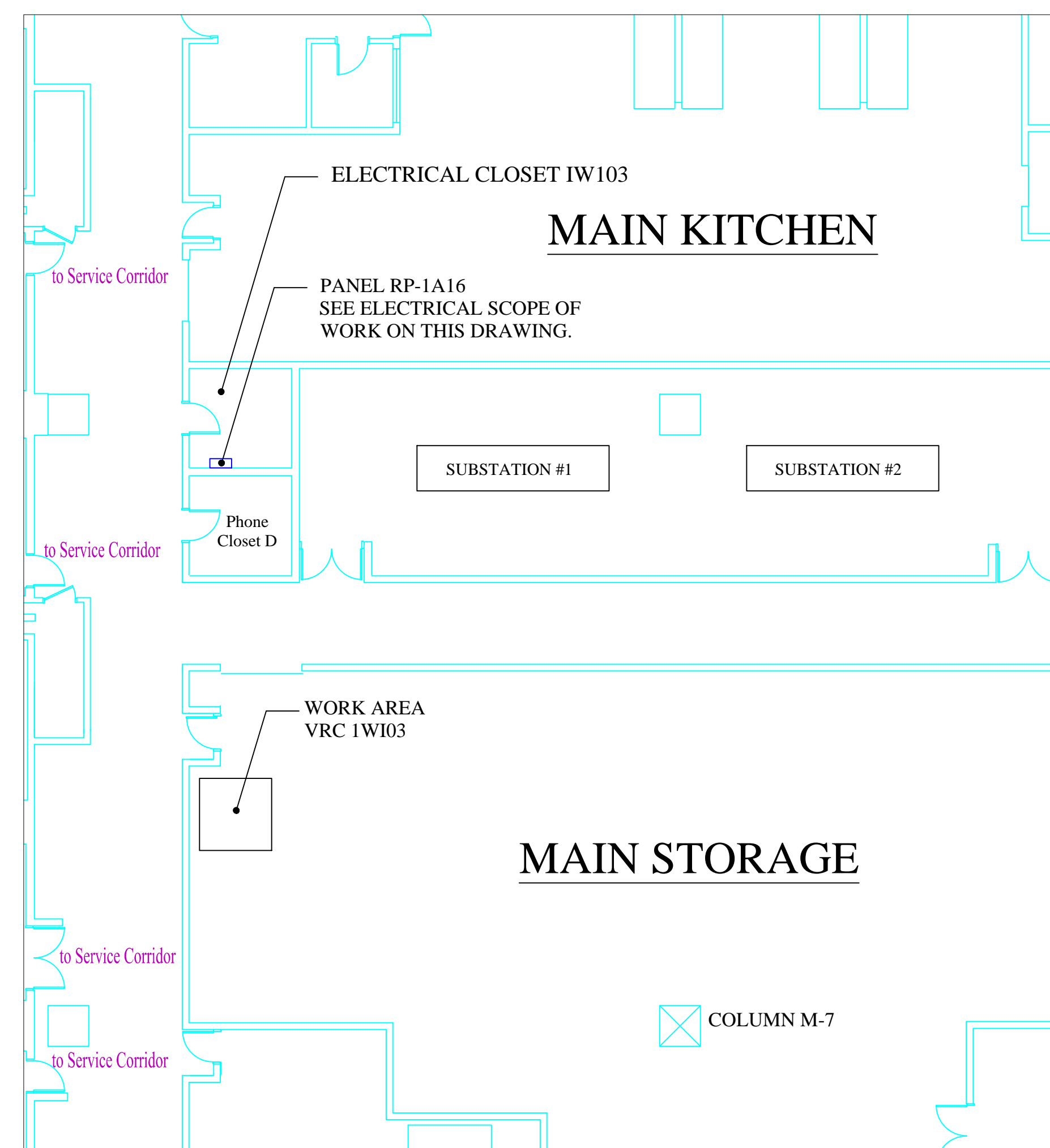
**1** MATERIAL LIFT RM IW103 - REMOVALS  
SCALE: 3/4" = 1' - 0"



**2** MATERIAL LIFT RM IW103 - INSTALLATION  
SCALE: 3/4" = 1' - 0"



**A** MATERIAL LIFT RM IW103 - INSTALLATION ELEVATION  
SCALE: 1/2" = 1' - 0"



**3** WORK LOCATION  
SCALE: 3/32" = 1' - 0"

**ELECTRICAL CONTRACTOR SCOPE OF WORK**

- BEFORE WORKING IN PANELBOARD RP-1A15 AND PANELBOARD RP-1A16, CHANGE THE INSTANTANEOUS TRIP SETTINGS OF THE 400 AMP CIRCUIT BREAKER THAT FEED THE PANELBOARDS IN UNIT SUBSTATION 1 FROM MAX (10) TO MIN (4.5).
- REPLACE THE ARC FLASH LABEL ON PANELBOARDS RP-1A15 WITH THE NEW ARC FLASH LABEL THAT WILL BE PROVIDED BY PACC.
- DISCONNECT AND REMOVE THE 208 VOLT, 1Ø FEEDERS FROM PANELBOARDS RP-1A15 AND RP-1A16 TO THE EXISTING MATERIAL LIFT DISCONNECT SWITCHES ALONG WITH THEIR 2 POLE CIRCUIT BREAKERS IN PANELBOARDS RP-1A15 AND RP-1A16 AND THE EXISTING MATERIAL LIFT DISCONNECT SWITCHES. THE EXISTING RACEWAYS FROM THE PANELBOARDS TO THE EXISTING MATERIAL LIFTS WILL REMAIN AND CAN BE REUSED.
- COORDINATE WITH THE MATERIAL LIFT CONTRACTOR WHO WILL REMOVE THE MATERIAL LIFTS' EQUIPMENT AND ELECTRICAL CIRCUITS, INCLUDING THE LOAD SIDE FEEDER FROM THE EXISTING MATERIAL LIFT DISCONNECT SWITCHES. THE MATERIAL LIFT CONTRACTOR WILL DEFINE WHERE THE NEW MATERIAL LIFT DISCONNECT SWITCHES WILL BE LOCATED.
- FURNISH AND INSTALL ONE (1) NEW 40 AMP, 240 VOLT, 3 POLE CIRCUIT BREAKERS IN PANELBOARDS RP-1A15 AND RP-1A16, REARRANGE CIRCUIT BREAKERS IN PANELBOARD RP-1A16 AS NEEDED. UPDATE THE CIRCUIT DIRECTORY CARDS WITH NEW TYPE WRITTEN CARDS. INCLUDE MISSING CIRCUITS THAT ARE IDENTIFIED WITH THE ASSISTANCE OF THE PACC. THE PANELBOARDS ARE CE SERIES A CATALOG NUMBER ADF3424MTX. THE CIRCUIT BREAKER NEED TO BE RATED FOR 22,000 AMPS OF AVAILABLE SHORT CIRCUIT CURRENT.
- FURNISH AND INSTALL TWO (2) NEW 30 AMP, 240 VOLT, 3 POLE FUSED DISCONNECT SWITCHES WITH 30 AMP, 240 VOLT, TYPE CC, TIME DELAY FUSES AT LOCATIONS IDENTIFIED BY THE MATERIAL LIFT CONTRACTOR. THE FUSED DISCONNECT SWITCH SHALL BE SQUARE D CAT. NO. H321M OR EQUAL.
- FURNISH AND INSTALL PORTIONS OF NEW RACEWAY, 1" CONDUIT, TO CONNECT EXISTING RACEWAYS FROM PANELBOARDS RP-1A15 AND RP-1A16 TO THE TWO (2) NEW 30 AMP, 240 VOLT, 3 POLE FUSED DISCONNECT SWITCHES.
- FURNISH AND INSTALL NEW 40 AMP, 208 VOLT, 3Ø, 4 WIRE (3ØB & 1Ø10 G) FEEDER FROM THE NEW 3 POLE CIRCUIT BREAKERS IN PANELBOARDS RP-1A15 AND RP-1A16 TO THE TWO (2) NEW 30 AMP, 240 VOLT, 3 POLE FUSED DISCONNECT SWITCHES, USING THE EXISTING RACEWAYS. WIRES SHALL BE TYPE THHN WITH THE FOLLOWING COLORS: AØ - BLACK, BØ - RED, CØ - BLUE, AND GROUND - GREEN.
- CHECK AND ENERGIZE THE NEW FEEDERS.

**GENERAL NOTES:**

SEE DRAWING ME-1 FOR MECHANICAL SCOPE OF WORK, INSTALLATION NOTES AND LIFT SCHEDULE.



PROVIDED BY THE CLIENT

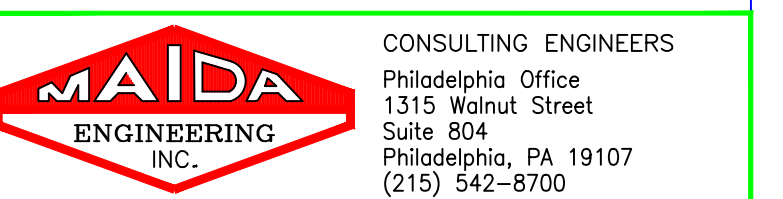


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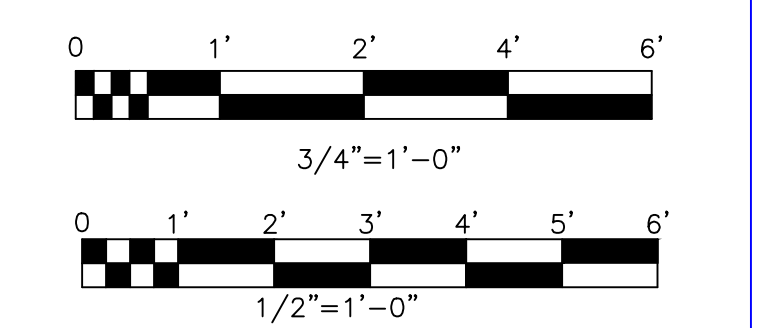
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DPP PROJECT COORDINATOR: XXXXXXXXX

SEAL:



PROJECT NO.	E44015	DATE	11/30/22
PROJECT ENG.	ALA	CHECKED	JFM
CHECKED	JFM	DATE	12/06/22



DPP PROJECT NUMBER: XX-XX-XXXX-XX

PROJECT TITLE: MATERIAL LIFT UPGRADE PROJECT

PHASE:

DRAWING TITLE: MATERIAL LIFT IW-103 MECHANICAL, ELECTRICAL INSTALLATION

PACC PROJECT NO.: XX-XX-XXXX-XX DRAWING NO.:

CONSULTANT PROJECT NO.: E44015

DATE: 11-30-2022

SCALE: AS NOTED

DRAWN BY: ALA

CHECKED BY: JFM

**ME-2**

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.