



# ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE

AT THE

# NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN, CONNECTICUT

JULY 2025

N.H.P.A. PROJECT # 21-011

CONTRACTING AGENCY: NEW HAVEN PARKING AUTHORITY



c/o DEPARTMENT OF PLANNING & ENGINEERING  
TEMPLE STREET PARKING GARAGE  
ONE TEMPLE STREET  
NEW HAVEN, CONNECTICUT 06510  
Tel. (203) 946-7526

STRUCTURAL ENGINEER / ARCHITECT: DESMAN



175 CAPITAL BOULEVARD, SUITE 402  
ROCKY HILL, CT 06067  
Tel. (860) 563-1117

ELEVATOR CONSULTANT: STERLING ELEVATOR CONSULTANTS, LLC



195 WEST MAIN STREET, SUITE 1  
AVON, CT 06001  
Tel. (800) 209-9909

ARCHITECT: SVIGALS + PARTNERS

SVIGALS + PARTNERS

84 ORANGE STREET  
NEW HAVEN, CT 06510  
Tel. (203) 786-5110

ELEC/MECH ENGINEERS: SILVER/PETRUCELLI & ASSOCIATES



SILVER/PETRUCELLI+ASSOCIATES  
Architects / Engineers / Interior Designers

3190 WHITNEY AVENUE  
HAMDEN, CONNECTICUT 06518-2340  
Tel. (203) 230-9007

## SCOPE OF WORK

### Proposal Item 1 - General Provisions:

- A. GeneralMobilization/Demobilization/Miscellaneous Coordination.
- B. Provision of Bonds, Permits, and Insurance.

### Proposal Item 2 - Work related to the 270 State Street Parking Garage:

- A. Modernization of the Hydraulic Elevators at the 270 State Street Parking Garage.
- B. Electrical Coordination Work to Support the Elevator Repairs and Modernization at the 270 State Street Parking Garage.
- C. HVAC/Mechanical Improvements at the 270 State Street Parking Garage:

### Proposal Item 3 - Work related to the Temple Medical Parking Garage:

- A. Modernization of the Hydraulic Elevators at the Temple Medical Parking Garage.
- B. Electrical Coordination Work to Support Elevator Repairs and Modernization at the Temple Medical Parking Garage.
- C. HVAC/Mechanical Improvements at the Temple Medical Parking Garage:
- D. Architectural Repairs and Improvements:
  - 1. Installation of Epoxy Flooring:
    - a. Provision and Installation of Mock-up Sample.
    - b. Installation of Flooring System throughout the Elevator Lobbies
    - c. Installation of New Tactile Warning Surfaces.

- 2. Installation of Exterior Insulation and Finish System (EIFS) related to the Vinyl Wall Coverings
- 3. Installation of Vinyl Wall Coverings/Murals and Window Film
- 4. Installation of New Signage
- 5. Installation of Precast Bollards
- 6. Modifications to Concrete Curbing
- 7. Painting of Various Surfaces
- 8. Miscellaneous Metal Work

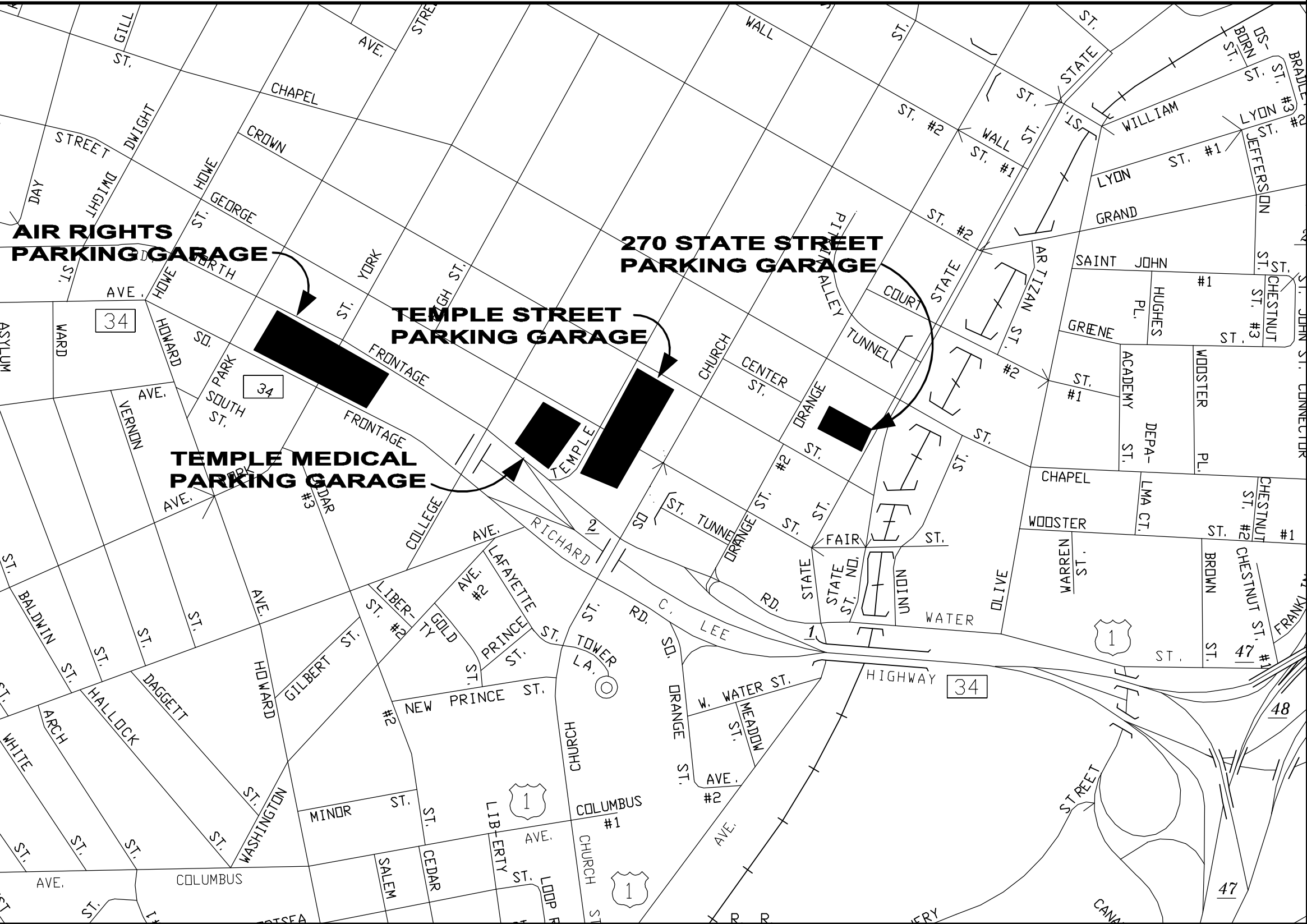
### Proposal Item 4 - Work related to the Temple Street Parking Garage:

- A. Modernization of the Hydraulic Elevators at the Temple Street Parking Garage.
- B. Modernization of the Traction Elevators at the Temple Street Parking Garage.
- C. Electrical Coordination Work to Support Elevator Repairs and Modernization at the Temple Street Parking Garage.
- D. HVAC/Mechanical Improvements at the Temple Street Parking Garage:

### Proposal Item 5 - Work related to the Air Rights Parking Garage:

- A. Modernization of the Traction Elevators at the Air Rights Parking Garage.
- B. Electrical Coordination Work to Support Elevator Repairs and Modernization at the Air Rights Parking Garage.
- C. HVAC Improvements at the Air Rights Parking Garage:

## SITE LOCATION PLAN



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## GENERAL NOTES

### THE FOLLOWING NOTES SHALL APPLY UNLESS NOTED OTHERWISE ON PLANS OR SPECIFICATIONS:

- ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE APPLICABLE LOCAL AND STATE BUILDING CODES.
- CONTRACTOR IS INSTRUCTED NOT TO SCALE DRAWINGS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS WITH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL REPORT IMMEDIATELY TO THE ENGINEER ANY DISCREPANCIES OR INCORRECT INFORMATION WITH RESPECT TO THE DRAWINGS BASED ON EXISTING CONDITIONS. AFTER REPORTING THESE DISCREPANCIES VERBALLY THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT (WITH DRAWINGS/SKETCHES, AS REQUIRED) IMMEDIATELY FOR THE ENGINEERS REVIEW. CONTRACTOR SHALL BE DIRECTED BY THE ENGINEER REGARDING THE CHANGES, AND FURTHER ACTION IF AND AS REQUIRED.
- THE CONTRACTOR SHALL PROVIDE AND IMPLEMENT ALL NECESSARY STAGING PLANS SHOWING METHODS AND EQUIPMENT FOR PROTECTING THE GENERAL PUBLIC, GARAGE, ADJACENT BUILDINGS AND LOTS, EQUIPMENT, MATERIALS AND PERSONNEL FROM FIRE AND OTHER DAMAGES. THESE MEASURES SHALL BE IN PLACE PRIOR TO START OF WORK. METHODS AND EQUIPMENT SHOWN IN THE STAGING PLANS ARE SUBJECT TO APPROVAL BY AUTHORITIES HAVING JURISDICTION PRIOR TO ISSUANCE OF THE BUILDING PERMIT. FIRE PROTECTION AND PREVENTION DURING THE CONSTRUCTION PERIOD SHALL BE IN ACCORDANCE WITH ALL LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE LATEST N.F.P.A. REGULATIONS, OSHA REGULATIONS, OSHA REQUIREMENTS, THE STATE OF CONNECTICUT AND THE CITY OF NEW HAVEN REGULATIONS AND ORDINANCES.
- THE CONTRACTOR SHALL COMPLY WITH ALL SAFETY AND HEALTH LAWS AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE PROVISIONS AND REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (AS AMENDED) OR THE CONSTRUCTION SAFETY ACT OF 1969 (AS AMENDED); WHICHEVER IS APPLICABLE. THE CONTRACTOR SHALL COMPLY WITH ALL THE MOST RECENT APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION OVER THE PROJECT IN ORDER TO PROTECT PERSONS AND/OR PROPERTY FROM DAMAGE, INJURY OR LOSS. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION; INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING THE OWNER, TENANTS, PATRONS AND USERS OF ADJACENT FACILITIES. THE CONTRACTOR SHALL ALSO ASSURE THAT ALL HIS SUBCONTRACTORS CONFORM TO ALL HEALTH AND SAFETY LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING AND SHEETING REQUIRED FOR SAFETY AND PROPER EXECUTION OF THE WORK. CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF SHOP DRAWINGS, DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE CONNECTICUT, FOR ANY SPECIALIZED SHORING, ETC. WHICH MAY BE REQUIRED. DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND THE CITY OF NEW HAVEN BUILDING DEPARTMENT FOR APPROVAL.
- WHEN PLANS AND SPECIFICATIONS INCLUDE INFORMATION PERTAINING TO SURFACE OBSERVATIONS, MATERIAL TESTING AND OTHER PRELIMINARY INVESTIGATIONS, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATIONS, CHARACTER, OR QUANTITY OF THE MATERIALS OR CONDITIONS ENCOUNTERED AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE OWNER/ENGINEER ASSUMES NO RESPONSIBILITY WHATSOEVER WITH RESPECT OF THE SUFFICIENCY OR ACCURACY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE EXISTING THROUGHOUT THE WORK, OR THAT UNANTICIPATED DEVELOPMENTS MAY NOT OCCUR AND/OR EXIST.
- ANY EXTRA WORK BEYOND THE SCHEDULED QUANTITIES REQUIRING EXTRA COST TO THE OWNER SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCING SAID WORK. CLAIMS FOR EXTRA WORK WHICH HAVE NOT BEEN AUTHORIZED IN WRITING BY THE OWNER AND APPROVED BY THE ENGINEER WILL BE REJECTED AND THE CONTRACTOR SHALL NOT BE ENTITLED TO PAYMENT.
- THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL SERVICES WHICH MIGHT BE AFFECTED BY THE WORK. THE CONTRACTOR SHALL MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN EXISTING CONNECTIONS TO ALL AREAS OF THE BUILDING OR OTHER AREAS NOT IN THE CONTRACT AFFECTED BY THE WORK. UPON COMPLETION OF REPAIRS THE CONTRACTOR SHALL MAKE PERMANENT CONNECTIONS TO ALL SERVICES WHICH HAD BEEN TEMPORARILY MAINTAINED.
- ANY UTILITY LINES ABANDONED OR NO LONGER IN SERVICE THAT WOULD INTERFERE WITH THE PROJECT SHALL BE IDENTIFIED BY THE CONTRACTOR AND REMOVED FROM THE REPAIR AREAS BY THE CONTRACTOR, UNLESS NOTED OTHERWISE, PRIOR TO START OF WORK.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER/OWNER A COMPREHENSIVE TRAFFIC CONTROL PLAN PRIOR TO STARTING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AS WELL AS FOR THE PROVISION OF ALL REQUIRED TRAFFIC CONTROL DEVICES, WARNING LIGHTS AND SIGNAGE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AASHTO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL ALSO PROVIDE EXTRA-DUTY POLICE OFFICERS TO DIRECT TRAFFIC AS MAY BE REQUIRED BY OBSTRUCTION PERMITS.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE ON A DAILY BASIS AND PROTECT MATERIALS AND WORK IN PROGRESS FROM VANDALISM.

ISSUED FOR PROPOSALS  
7/21/2025

ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN,

CONNECTICUT

DESMAN  
Design Management

NO.	DATE	BY
REVISIONS		

DRAWING TITLE  
**COVER SHEET**

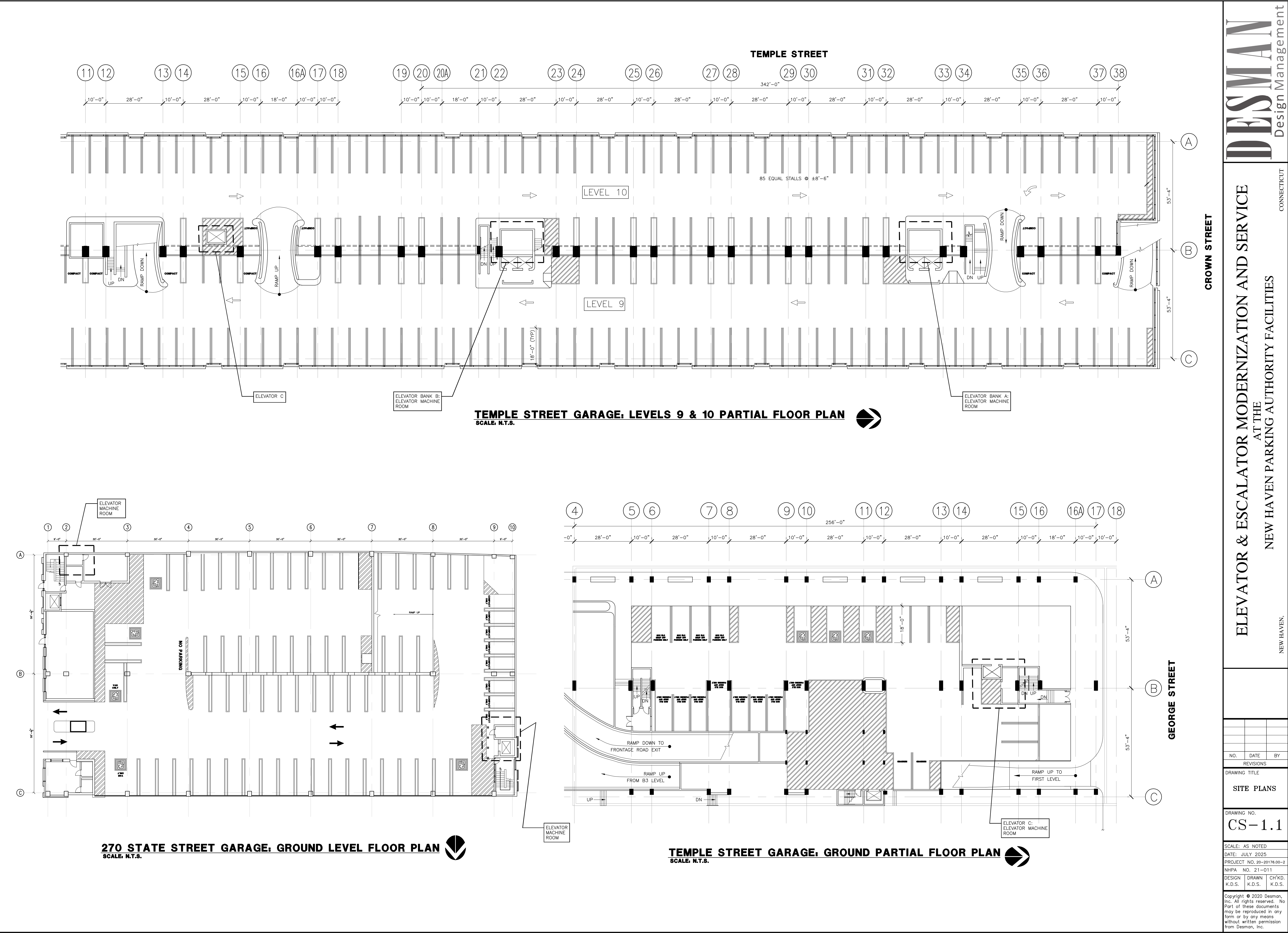
DRAWING NO.  
**CS-1.0**

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHPA NO. 21-011

DESIGN K.D.S.	DRAWN K.D.S.	CH'KD. K.D.S.
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**ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES**

NEW HAVEN,

NO. DATE BY

REVISIONS

DRAWING TITLE

SITE PLANS

DRAWING NO.

CS-1.2

SCALE: AS NOTED

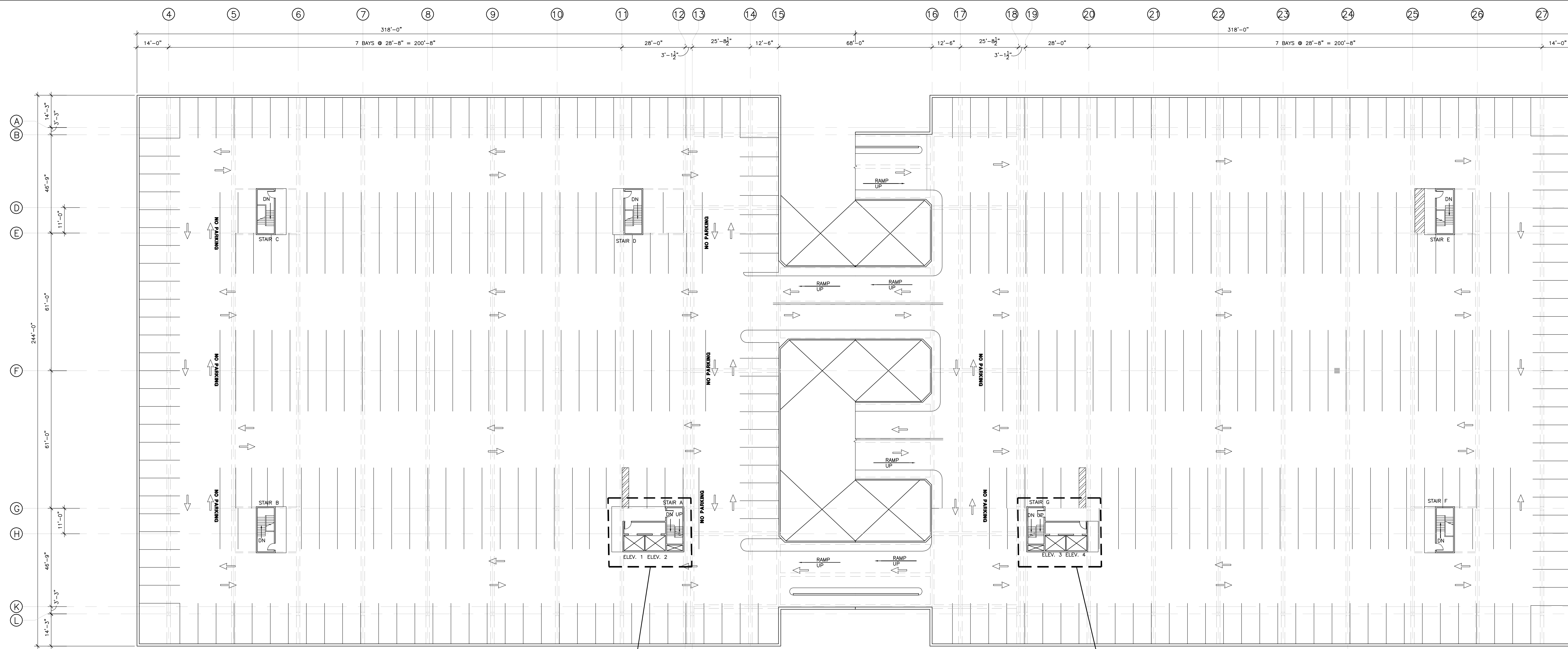
DATE: JULY 2025

PROJECT NO. 20-20176.00-2

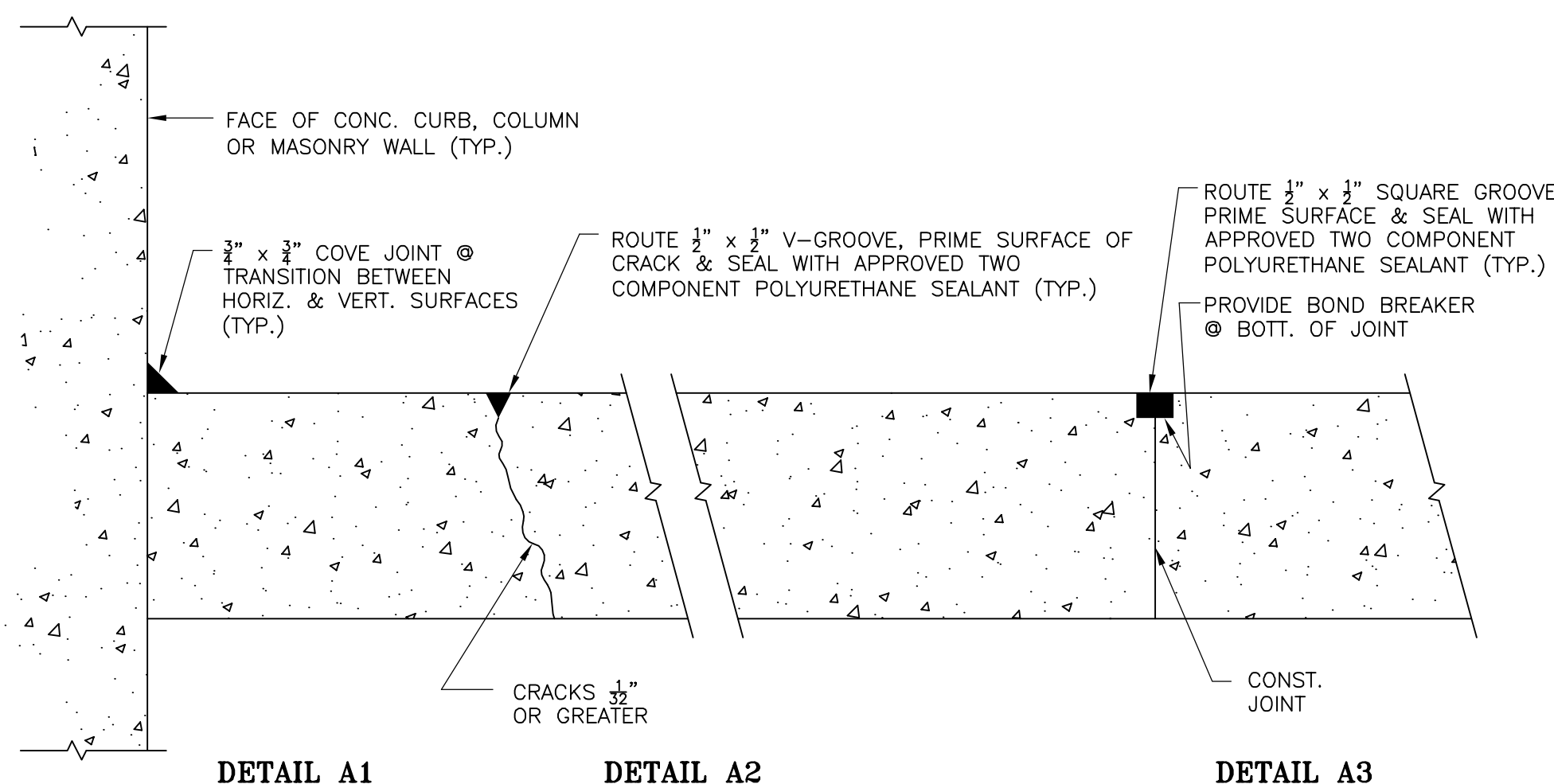
NHPA NO. 21-011

DESIGN K.D.S. DRAWN K.D.S. CH'KD. K.D.S.

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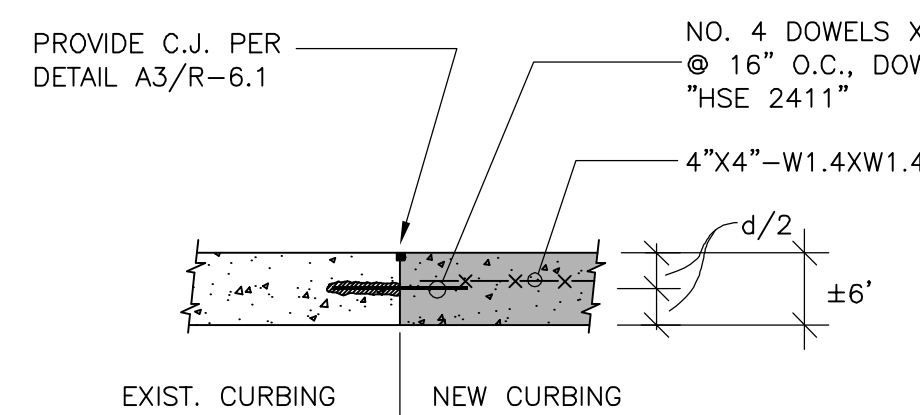
**AIR RIGHTS GARAGE, LEVEL 9 & 10 FLOOR PLANS**  
SCALE: N.T.S.



**REPAIR PROCEDURE:**

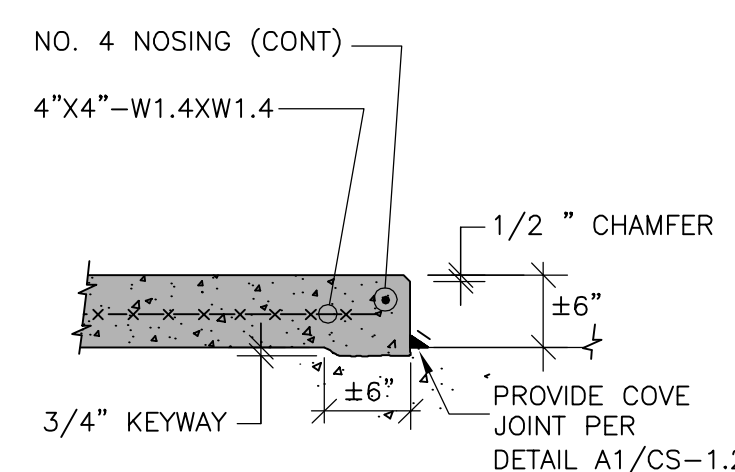
1. NEWLY REPAIRED CONCRETE SURFACES SHALL BE FULLY CURED PRIOR TO INSTALLATION OF APPROVED SEALANT MATERIAL.
2. ROUT/GRIND CRACKS AND CONSTRUCTION JOINTS AS REQUIRED, CLEAN PROFILED SURFACES USING COMPRESSED AIR OR OTHER MEANS TO REMOVE DUST, DEBRIS AND OTHER MATERIAL WHICH MIGHT IMPAIR THE APPROVED SEALANTS BOND TO THE SUBSTRATE.
3. PRIME CRACKS, PROVIDE BOND BREAKER (AS REQUIRED) AND SEAL WITH AN APPROVED TWO COMPONENT POLYURETHANE SEALANT.
4. PROHIBIT VEHICULAR AND PEDESTRIAN TRAFFIC ON SEALED JOINTS UNTIL MATERIAL HAS CURED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

**A COVE JOINT/CRACK/CONTROL JOINT REPAIR**  
CS-1.2/ SCALE: N.T.S.



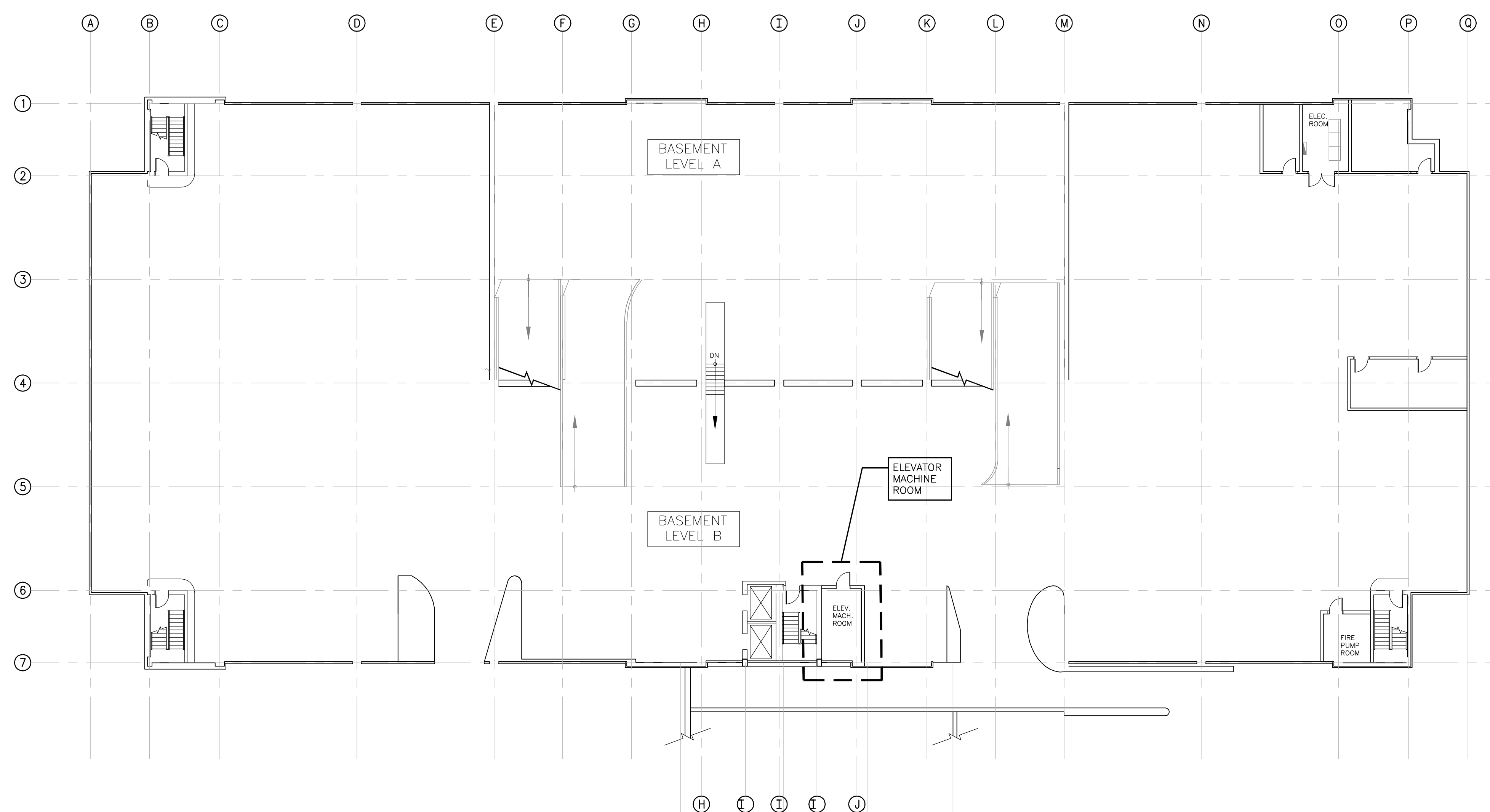
NOTE: SURFACE SHALL BE ROUGHENED, 1/4" AMPLITUDE PRIOR TO CONCRETE PLACEMENT.

**2 SECTION**  
CS-1.2/ SCALE: N.T.S.



NOTE: SURFACE SHALL BE ROUGHENED, 1/4" AMPLITUDE PRIOR TO CONCRETE PLACEMENT.

**1 SECTION**  
CS-1.2/ SCALE: N.T.S.



**TEMPLE MEDICAL GARAGE, BASEMENT LEVEL FLOOR PLAN**  
SCALE: N.T.S.



ABBREVIATIONS

@	AT	E	EAST	LIMS	LIMESTONE	S	SOUTH
AB	ANCHOR BOLT	EA	EACH	LIN	LINEAR	SC	SOLIC CORE
ABV	ABOVE	EC	EXPOSED CONSTRUCTION	LITG	LIGHTING	SCHED	SCHEDULE
ACT	ACOUSTICAL CEILING TILE	EF	EXHAUST FAN	LTO, STND	LIGHTING STAND	SCS	SEALED CONCRETE SURFACE
ADJ	ADJACENT	ELEC	ELECTRICAL/ELECTRIC	LW	LIGHT WEIGHT	SD	STORM DRAIN
ADMIN	ADMINISTRATION	ELEV, EL	ELEVATION	M	METER	SEC	SECTION
AFF	ABOVE FINISHED FLOOR	EMERG	EMERGENCY	MAS	MASONRY	SERV	SERVICE
AHU	AIR HANDLING UNIT	EQ	EQUAL	MATL	MATERIAL	SF	SQUARE FOOT
ALT	ALTERNATE	EQUIP	EQUIPMENT	MAX	MAXIMUM	SHTHG	SHEATHING
ALUM	ALUMINUM	EST	ESTIMATE(D)	MBL	MARBLE	SIM	SIMILAR
APPROX	APPROXIMATE	EW	EXTERIOR WALL	MECH	MECHANICAL	SLDG	SLIDING
ARCH	ARCHITECT(URAL)	EXH	ELECTRIC WATER COOLER	MFG	MANUFACTURER	SPEC	SPECIFICATION
		EXP	EXHAUST	MANUF	MANUFACTURE	SPL	SPRINKLER
		EXT	EXTERIOR	MH	MANHOLE	SQ	SQUARE
BD	BOARD			MIN	MINIMUM	SS, ST STL	STAINLESS STEEL
BF	BOTH FACES	FBRK	FACE BRICK	MISC	MISCELLANEOUS	SSM	SOLID SURFACE MATERIAL
BIT	BITUMINOUS	FD	FLOOR DRAIN	MO	MASONRY OPENING	STD	STANDARD
BLDG	BUILDING	FE	FIRE EXTINGUISHER	MTD	MOUNTED	STL	STEEL
BLK	BLOCK	FE CAB	FIRE EXTINGUISHER CABINET	MTL	METAL	STRUCT	STRUCTURAL
BLKG	BLOCKING			N	NORTH	SUSP	SUSPENDED
BM	BEAM	FF	FINISH FLOOR	NEG	NEGATIVE	SYM	SYMMETRICAL SYSTEM
BOT	BOTTOM	FIN	FINISH	NIC	NOT IN CONTRACT		
BRK	BRICK	FIN GRD	FINISH GRADE	NO, #	NUMBER	T	THERMOSTAT
BS	BOTH SIDES	FIXT	FIXTURE	NOM	NOMINAL	T&B	TOP & BOTTOM
BSMT	BASEMENT	FL	FLASHING	NTS	NOT TO SCALE	T&G	TONQUE & GROOVE
BUR	BUILT-UP ROOFING	FLR	FLOOR			T/BLK	TOP OF BLOCK
		FNDN	FOUNDATION	OA	OVERALL	T/CONC	TOP OF CONCRETE
C, I	CHANNEL	FP	FIREPROOF	OC, O/C	ON CENTER	T/CURB	TOP OF CURB
C-C	CENTER TO CENTER	FPL	FIREPLACE	OD	OUTSIDE DIAMETER	T/DECK	TOP OF DECK
CAB	CABINET	FT	FOOT (FEET)	OH	OVERHEAD	T/D	TOP OF DECK
CB	CATCH BASIN	FTG	FOOTING	OH, OPH	OPPOSITE HAND	T/FTG	TOP OF FOOTING
CEM	CEMENT	FUT	FUTURE	OPG	OPENING	T/SLAB	TOP OF SLAB
CF	CURTAIN FABRIC			OPP	OPPOSITE	T/STL	TOP OF STEEL
CFL	COUNTER FLASHING					T/WALL	TOP OF WALL
CFT	CERAMIC FLOOR TILE			PC	PRECAST	TB	TACKBOARD
CI	CAST IRON			PERF	PERFORATE(D)	TBD	TO BE DETERMINED
CJT	CONSTRUCTION JOINT			PF	PANEL FABRIC	TD	TRENCH DRAIN
CL	CENTERLINE			PL	PLATE	TEL	TELEPHONE
CLG	CEILING			PL	PROPERTY LINE	TEMP	TEMPERATURE
CLK	CAULK			PLAM, PL	PLASTIC LAMINATE	THK	THICK
CLL	CONTRACT LIMIT LINE			PLAS	PLASTER	THRES	THRESHOLD
CLOS	CLOSET			PNL	PANEL	TR	TREAD
CLR	CLEAR			PNT	POINT	TYP	TYPICAL
CLRM	CLASSROOM			POL	POLISHED	TZ	TERRAZZO
CMU	CONCRETE MASONRY UNIT			POS	POSITIVE	TZB	TERRAZZO BASE
CNT	CONTROL JOINT			PROJ	PROJE(CTION)	TZT	TERRAZZO TILE
CO	CONVENIENCE OUTLET			PSF	POUNDS PER SQ FT		
COL	COLUMN			PSI	POUNDS PER SQ INCH	UL	UNDERWRITERS LABORATORIES
COMB	COMBINATION			PT	PAINT	UNFIN	UNFINISHED
CONC	CONCRETE			PTD	PAINTED	UNO	UNLESS NOTED OTHERWISE
CONST	CONSTRUCTION			PTN	PARTITION	UOD	UNDERSIDE OF DECK
CONT	CONTINUOUS			PVMT	PAVEMENT		
CORR	CORRIDOR			PVR	PAVER	VB	VAPOR BARRIER
CP	CLAY PIPE			PWD, PLYWD	PLYWOOD	VCT	VINYL COMPOSITE TILE
CPG	COPING			QT	QUARRY TILE	VERT	VERTICAL
CPT	CARPET			QUTB	QUARRY TILE BASE	VET	VINYL ENHANCED TILE
CRS, C	COURSE					VNR	VENEER
CT	CERAMIC TILE			R	RISER	VTR	VENT THROUGH ROOF
CTB	CERAMIC TILE BASE			RAD, R	RADIUS	VWC	VINYL WALL COVERING
CTR	CENTER			RADN	RADIATOR, RADIATION	W	WEST
CTSK	COUNTERSINK			RB	RUBBER BASE	W/	WITH
CUH	CABINET UNIT HEATER			RD	ROOF DRAIN	W/O	WITHOUT
CWT	CERAMIC WALL TILE			REQD	REQUIRED	WB	WOOD BASE
				REV	REVERSE	WD	WOOD
DBL	DOUBLE			RF	RUBBER FLOORING	WF	WALL FABRIC
DIA	DIAMETER			RFG	ROOFING	WI	WIDTH
DIAG	DIAGONAL			RH	RIGHT HAND	WIN	WINDOW
DIFF	DIFFUSER			RH	REVERSE HAND	WP	WATERPROOFING
DIM, DIMS	DIMENSION(S)			RM	ROOM	WSCOT	WAINSCOT
DN	DOWN			RO	ROUGH OPENING	WT, WGT	WEIGHT
DO	DITTO			ROW	RIGHT OF WAY	WTR	WATER
DP	DAMP-PROOFING			RS	ROLLER SHADE	WWF	WELDED WIRE FABRIC
DR	DOOR			RWB	RESILIENT WALL BASE		
DRN	DRAIN						
DTL	DETAIL						
DWG	DRAWING						

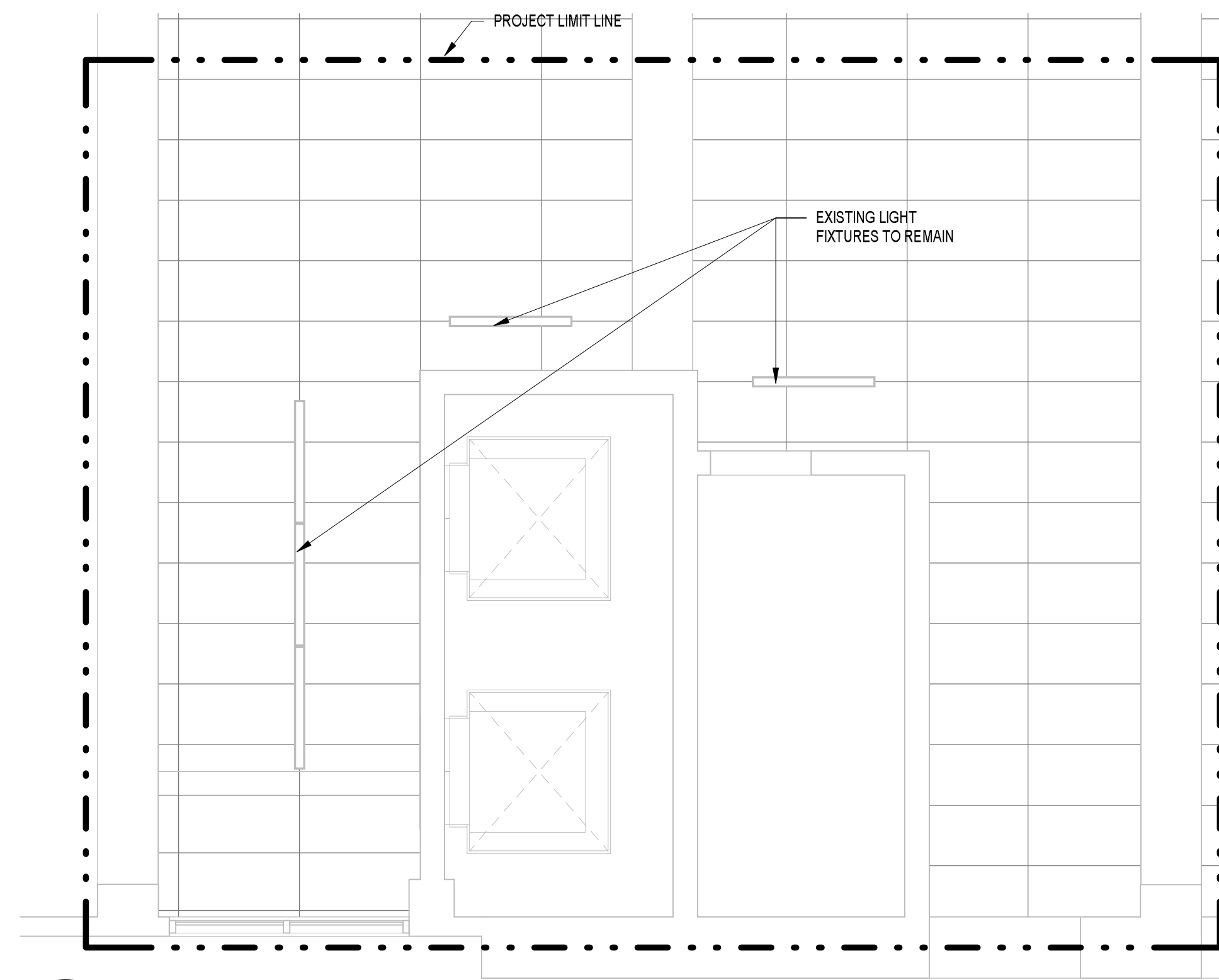
GRAPHIC LEGEND

	BUILDING ELEVATION		INTERIOR ELEVATION		COLUMN GRID LINES		ELEVATION POINT
	BUILDING SECTION		MILLWORK TYPE		DETAIL		REVISION
	ROOM NAME		DOOR NUMBER		EXTERIOR WALL TYPE		WINDOW TAG
	CEILING TAG		SIGNAGE TAG		INTERIOR WALL TYPE		STOREFRONT TAG
	PROJECT LIMIT LINE		NEW WALL		EXISTING WALL		DEMOLISH

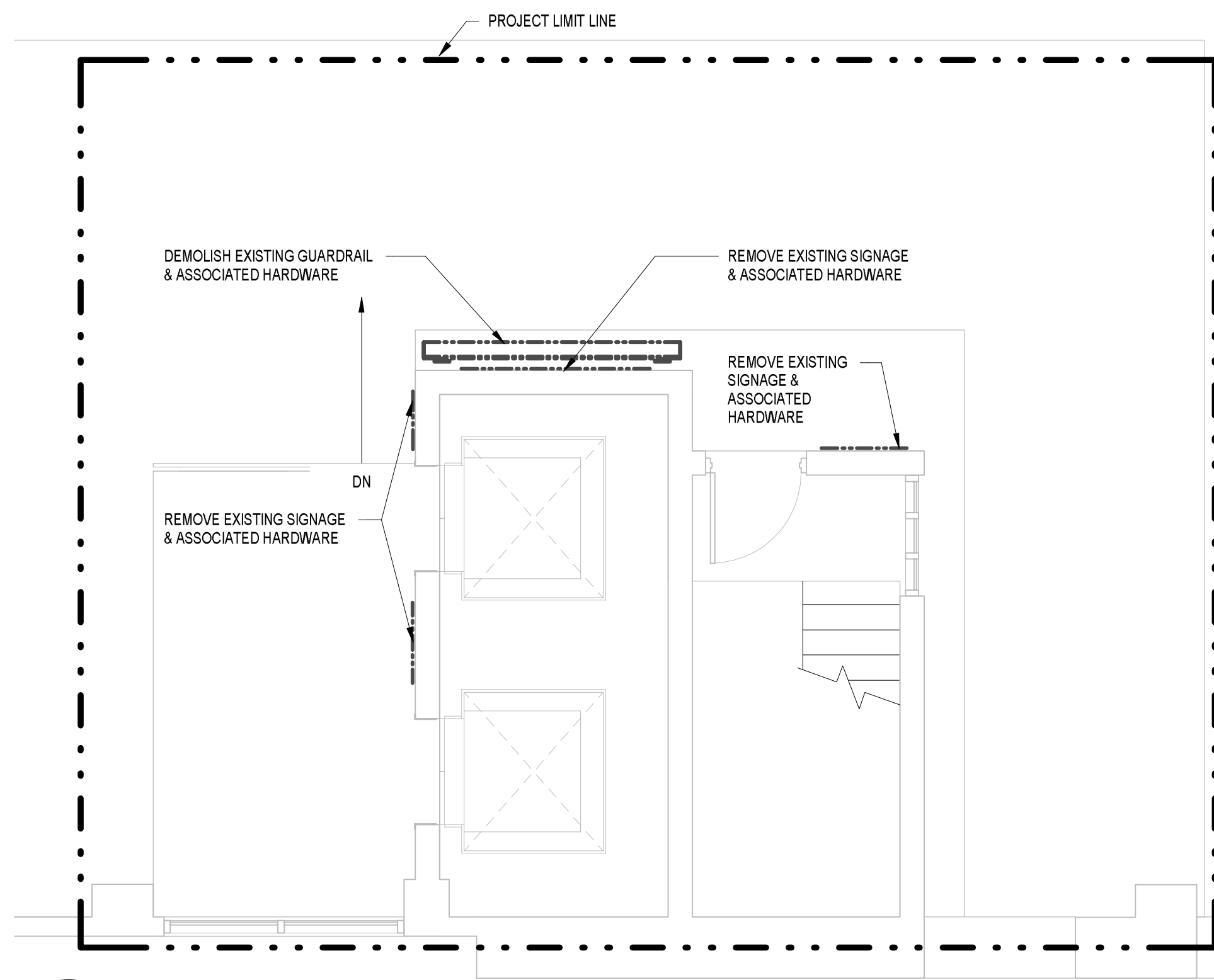


FINISH LEGEND							
ITEM	NAME	SIZE	MANUFACTURER	STYLE	COLOR	LOCATION	NOTES
EPX-1	EPOXY FLOOR	MACROCHIP	DURAFLEX	HYBRI-FLEX SERIES EC	TBD	REFER TO 1ST FLOOR PLAN	PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
EPX-2	EPOXY FLOOR	MACROCHIP	DURAFLEX	HYBRI-FLEX SERIES EC	TBD	REFER TO 2ND FLOOR PLAN	PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
EPX-3	EPOXY FLOOR	MACROCHIP	DURAFLEX	HYBRI-FLEX SERIES EC	TBD	REFER TO 3RD FLOOR PLAN	PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
EPX-4	EPOXY FLOOR	MACROCHIP	DURAFLEX	HYBRI-FLEX SERIES EC	TBD	REFER TO 4TH FLOOR PLAN	PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
PT-1	PAINT		SHERWIN WILLIAMS	FLAT	BRIGHT WHITE	EXISTING CONCRETE DECK & BEAMS, REF PLANS	LOXON XP WATERPROOFING SYSTEM, PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
PT-2	PAINT		SHERWIN WILLIAMS	EGGSHELL	BRIGHT WHITE	EXISTING HANDRAILS	PREP PRIOR TO APPLICATION, REFER TO MANUFACTURES RECOMMENDATIONS
PT-3	PAINT		SHERWIN WILLIAMS	EGGSHELL	TBD	REFER TO 1ST FLOOR PLAN & SIGNAGE	EXTERIOR GRADE
PT-4	PAINT		SHERWIN WILLIAMS	EGGSHELL	TBD	REFER TO 2ND FLOOR PLAN & SIGNAGE	EXTERIOR GRADE
PT-5	PAINT		SHERWIN WILLIAMS	EGGSHELL	TBD	REFER TO 3RD FLOOR PLAN & SIGNAGE	EXTERIOR GRADE
PT-6	PAINT		SHERWIN WILLIAMS	EGGSHELL	TBD	REFER TO 4TH FLOOR PLAN & SIGNAGE	EXTERIOR GRADE

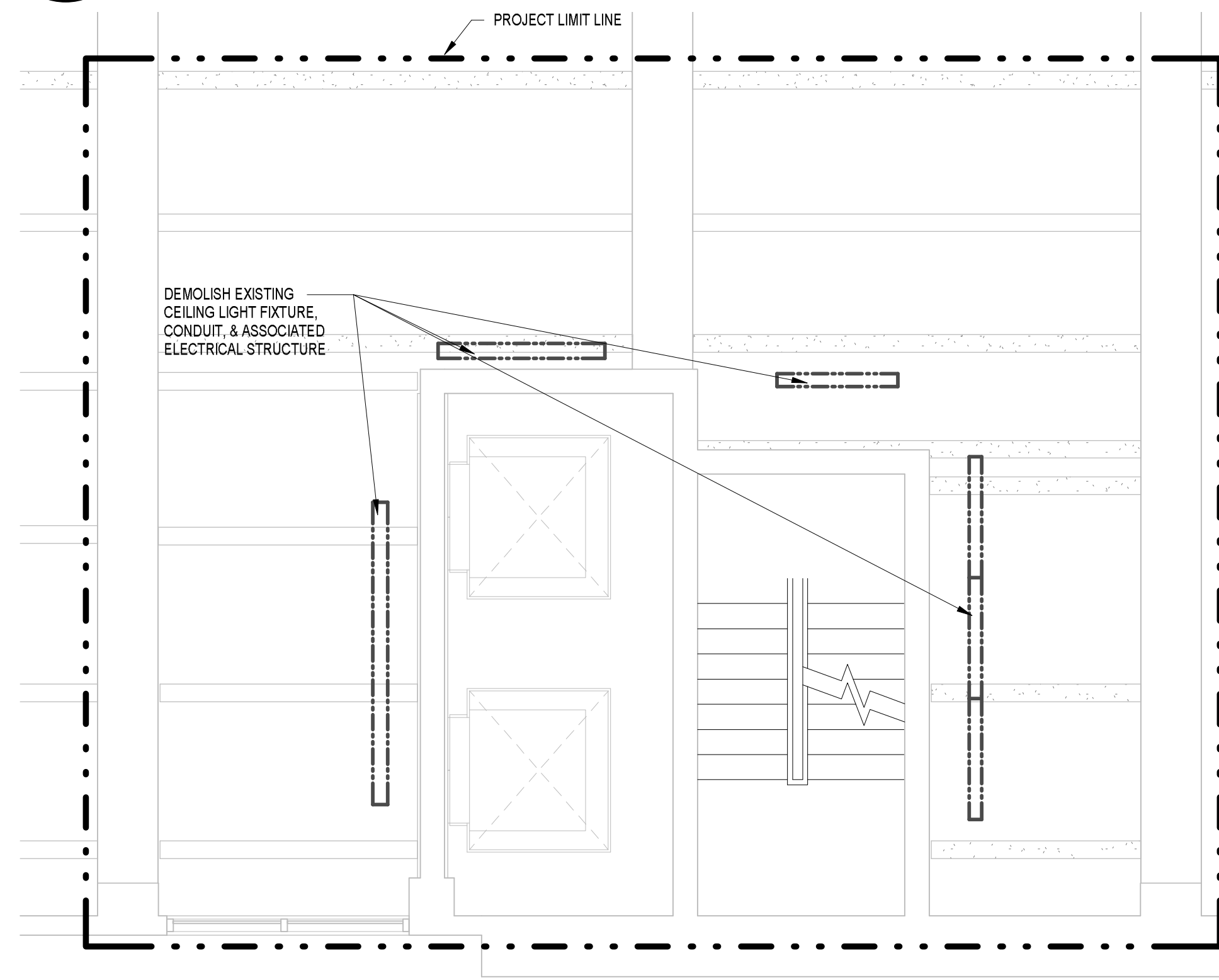




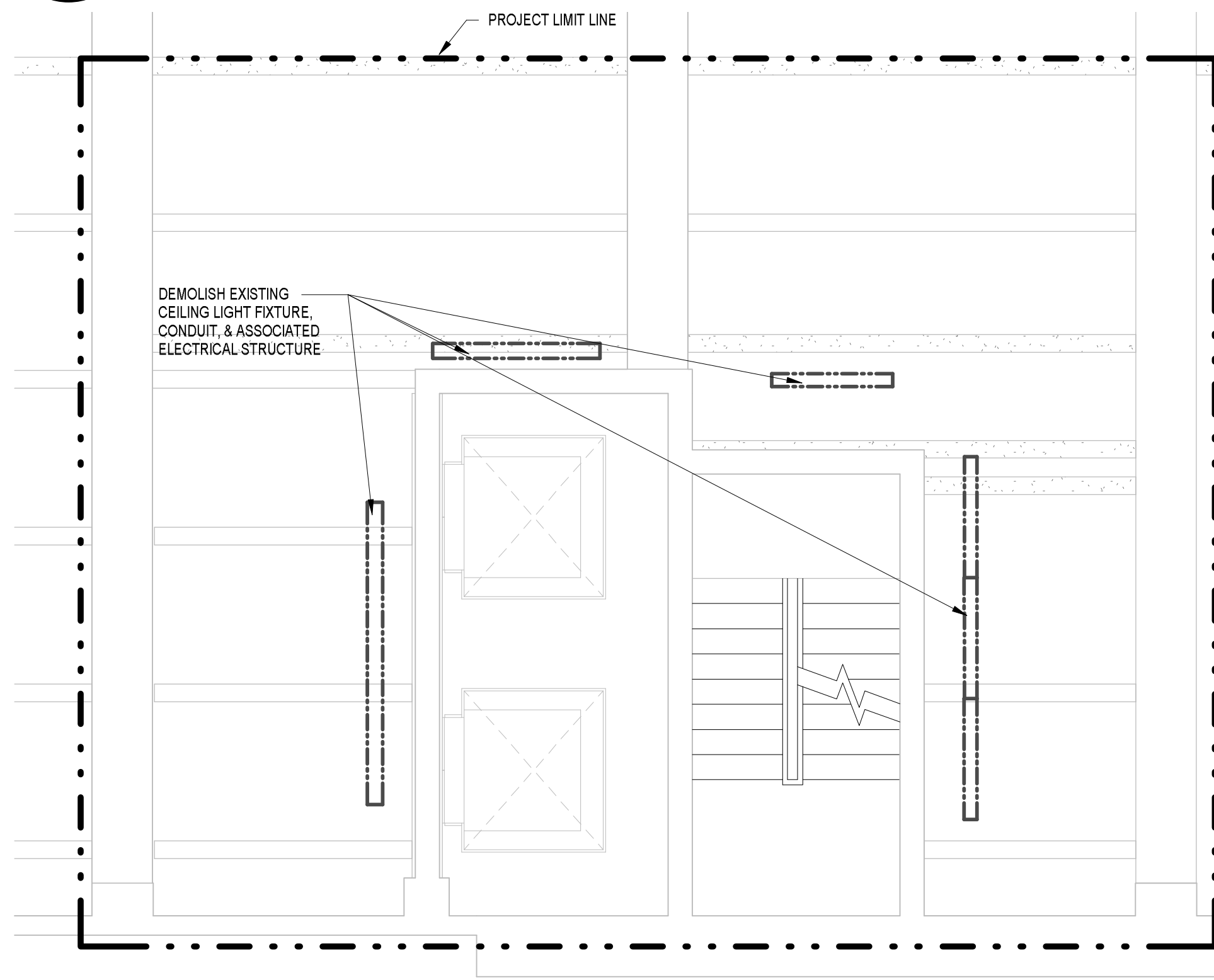
8 LEVEL 4 REFLECTED CEILING DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



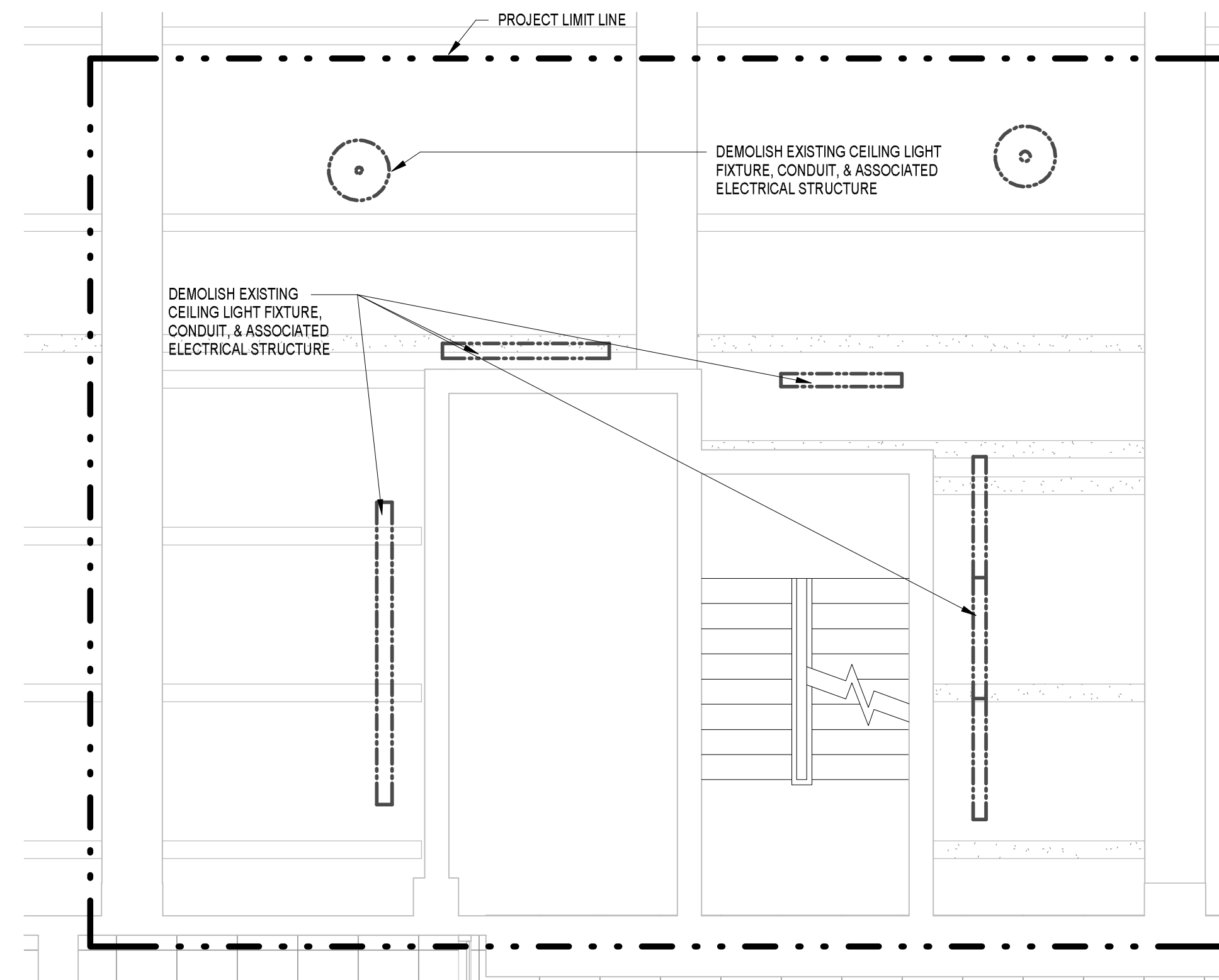
7 LEVEL 4 DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



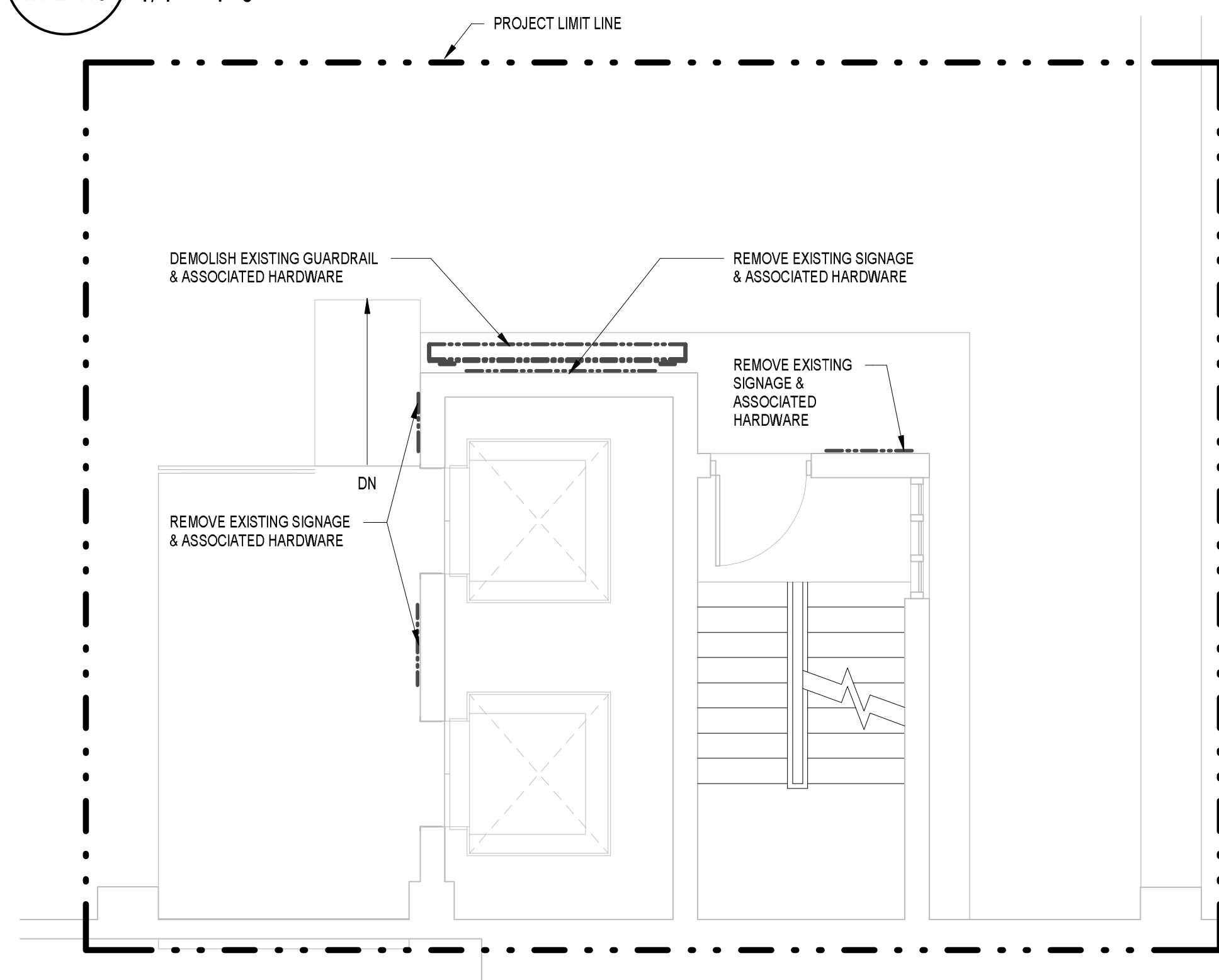
6 LEVEL 3 REFLECTED CEILING DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



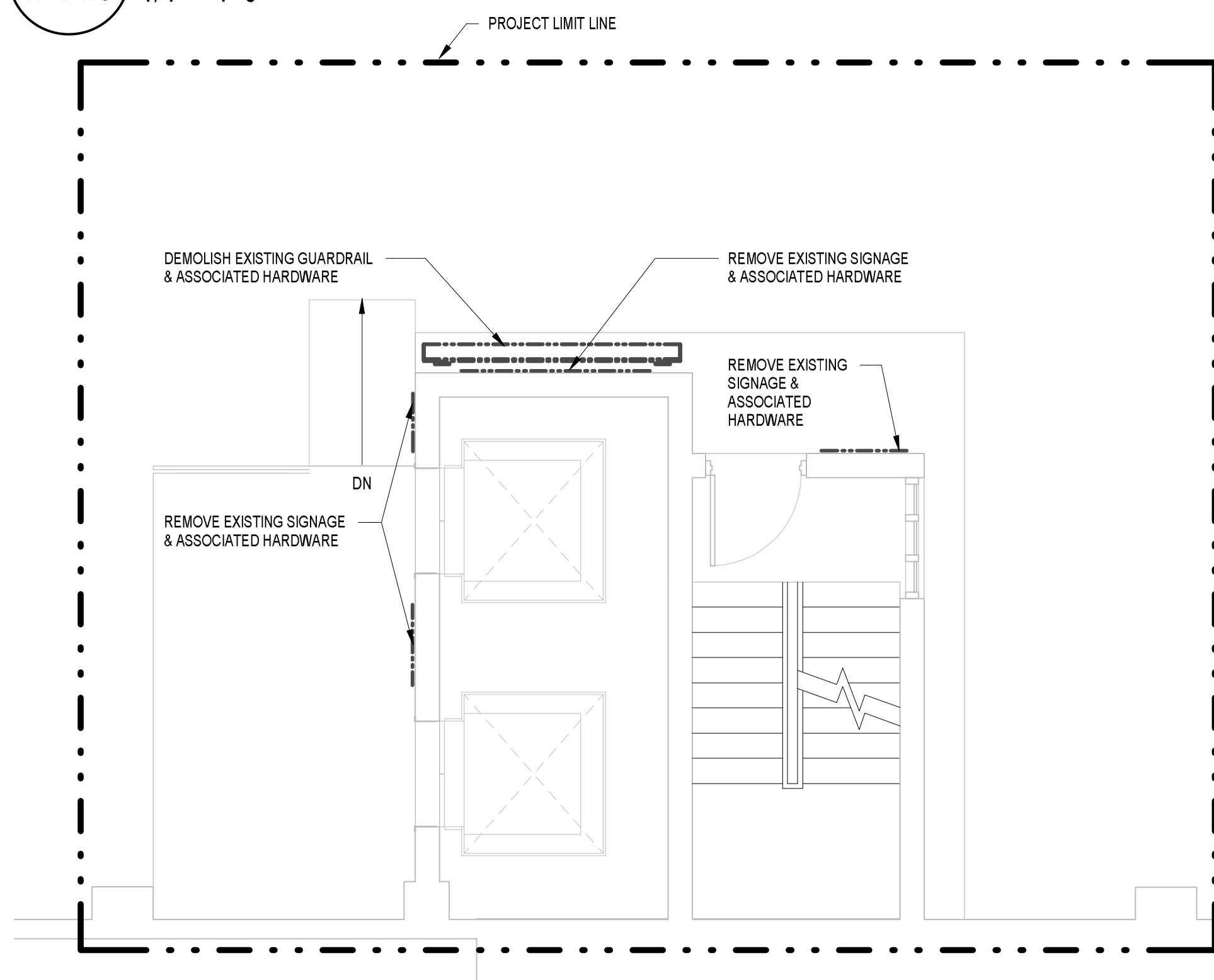
4 LEVEL 2 REFLECTED CEILING DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



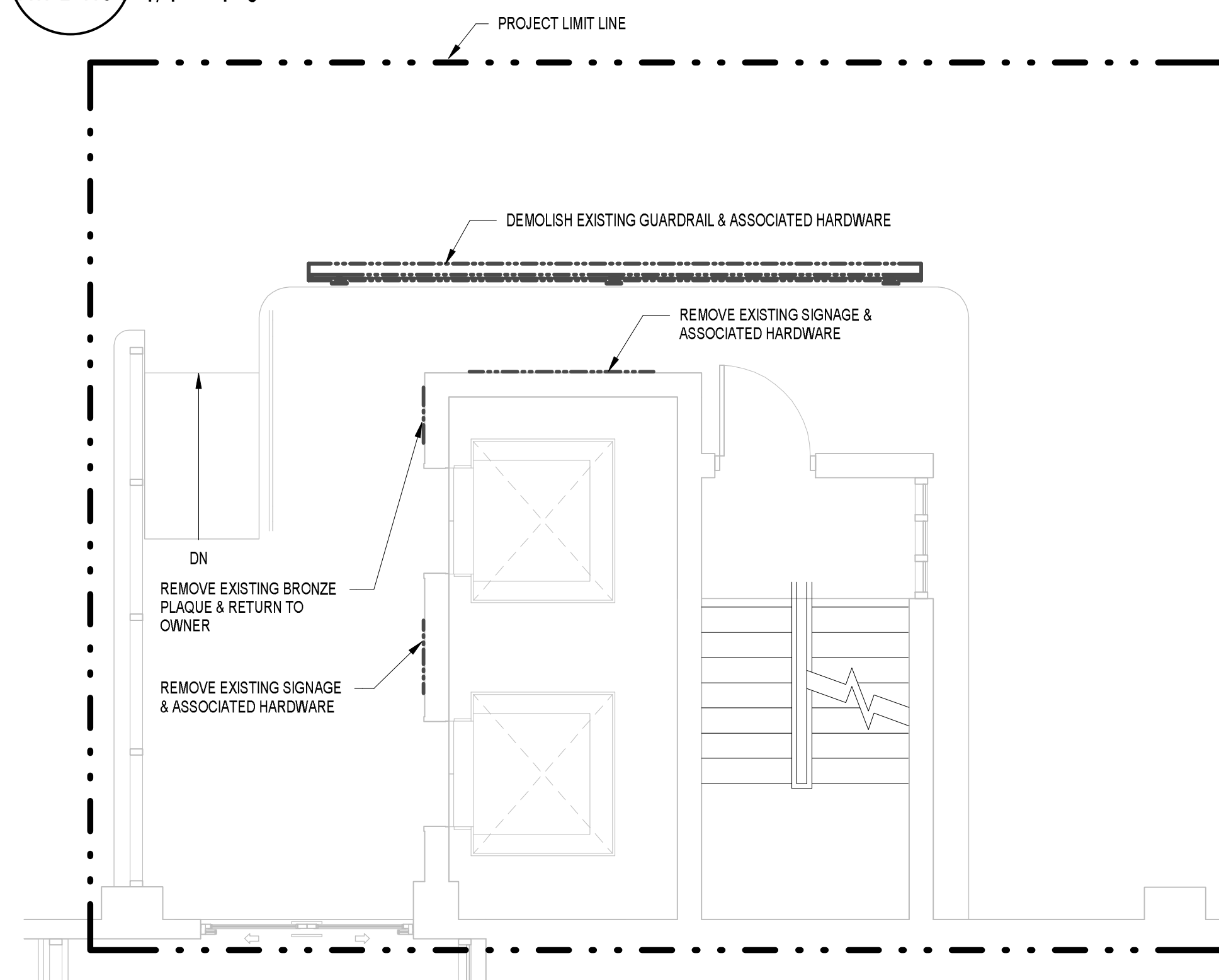
2 LEVEL 1 REFLECTED CEILING DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



5 LEVEL 3 DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



3 LEVEL 2 DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"



1 LEVEL 1 DEMOLITION PLAN  
TM-D1.01 1/4" = 1'-0"

SVIGALS + PARTNERS

84 Orange Street + New Haven, Connecticut  
203.786.5110 + www.svigals.com

DEMO PLAN LEGEND

	EXISTING ITEM TO BE REMOVED
	EXISTING STUD WALL TO REMAIN
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED

ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES  
NEW HAVEN, CONNECTICUT

DESMAN  
Design Management

NO.	DATE	BY
1	2021-07-20	CH'KD.
2	2021-07-20	CH'KD.
3	2021-07-20	CH'KD.
4	2021-07-20	CH'KD.
5	2021-07-20	CH'KD.
6	2021-07-20	CH'KD.
7	2021-07-20	CH'KD.
8	2021-07-20	CH'KD.
9	2021-07-20	CH'KD.
10	2021-07-20	CH'KD.
11	2021-07-20	CH'KD.
12	2021-07-20	CH'KD.
13	2021-07-20	CH'KD.
14	2021-07-20	CH'KD.
15	2021-07-20	CH'KD.
16	2021-07-20	CH'KD.
17	2021-07-20	CH'KD.
18	2021-07-20	CH'KD.
19	2021-07-20	CH'KD.
20	2021-07-20	CH'KD.
21	2021-07-20	CH'KD.
22	2021-07-20	CH'KD.
23	2021-07-20	CH'KD.
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25	2021-07-20	CH'KD.
26	2021-07-20	CH'KD.
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94	2021-07-20	CH'KD.
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97	2021-07-20	CH'KD.
98	2021-07-20	CH'KD.
99	2021-07-20	CH'KD.
100	2021-07-20	CH'KD.

TM-D1.01

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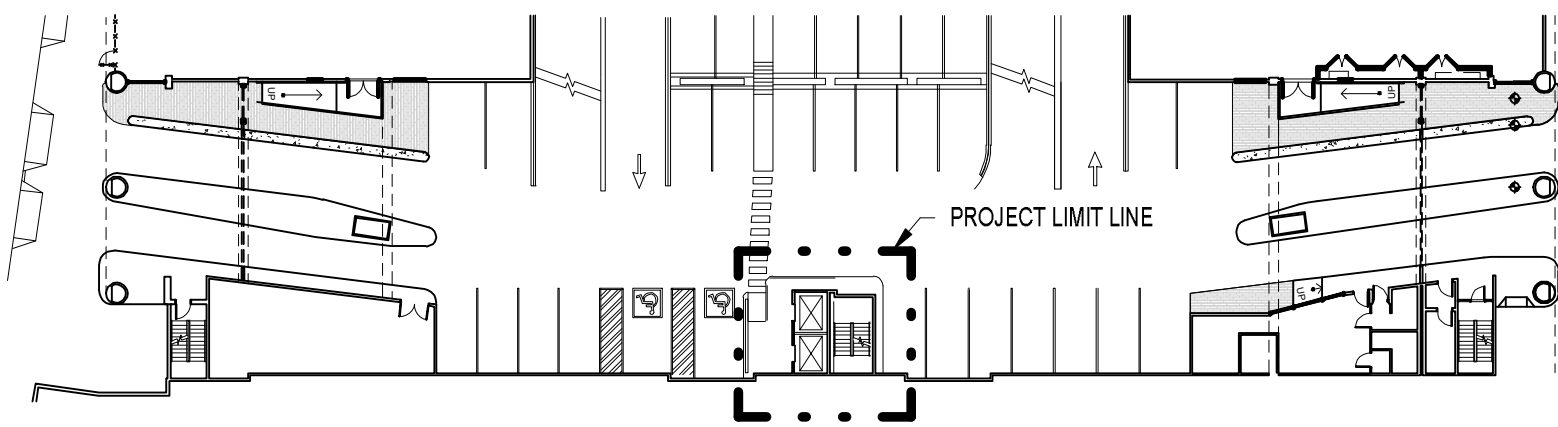
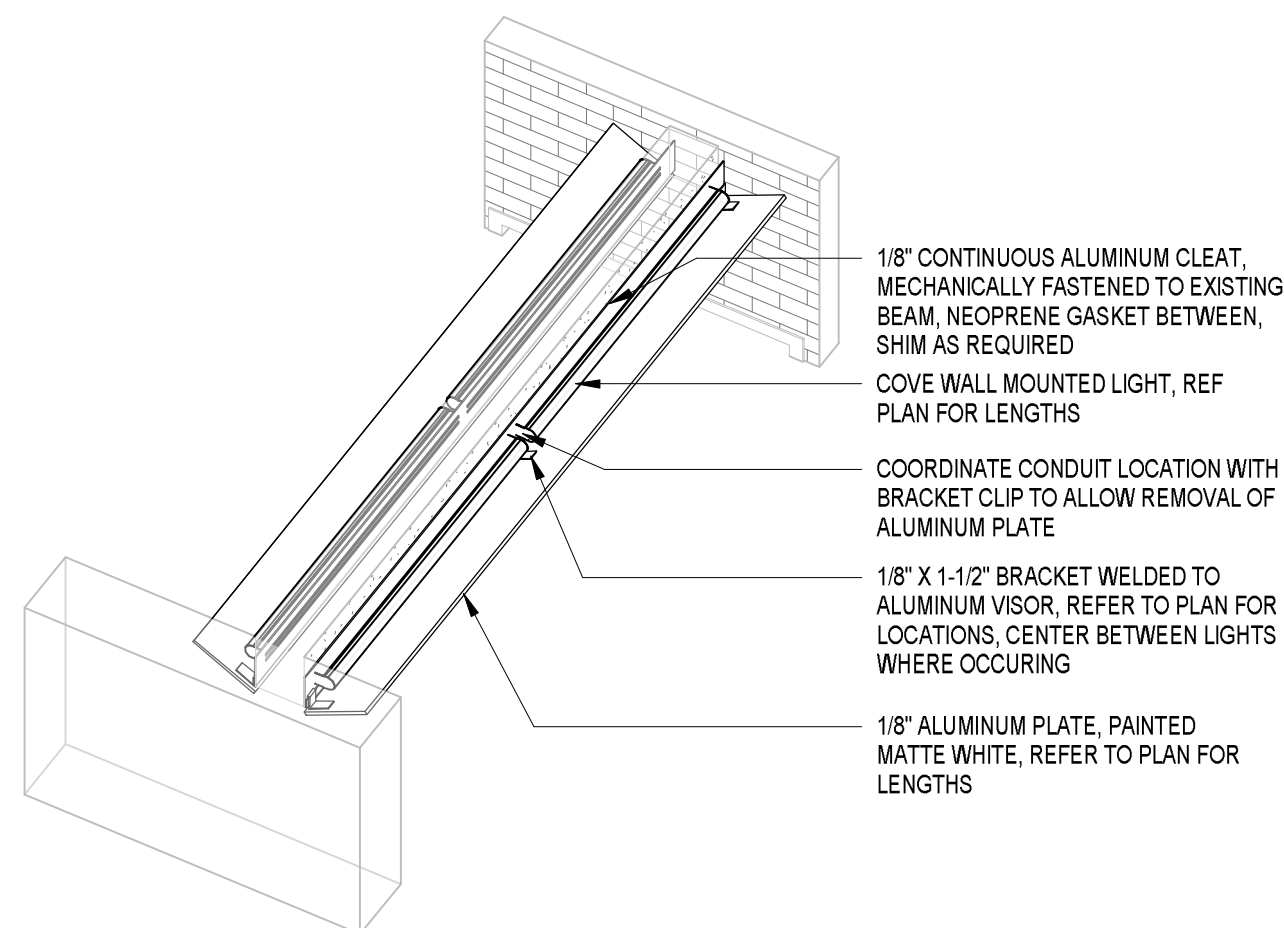


PLAN LEGEND

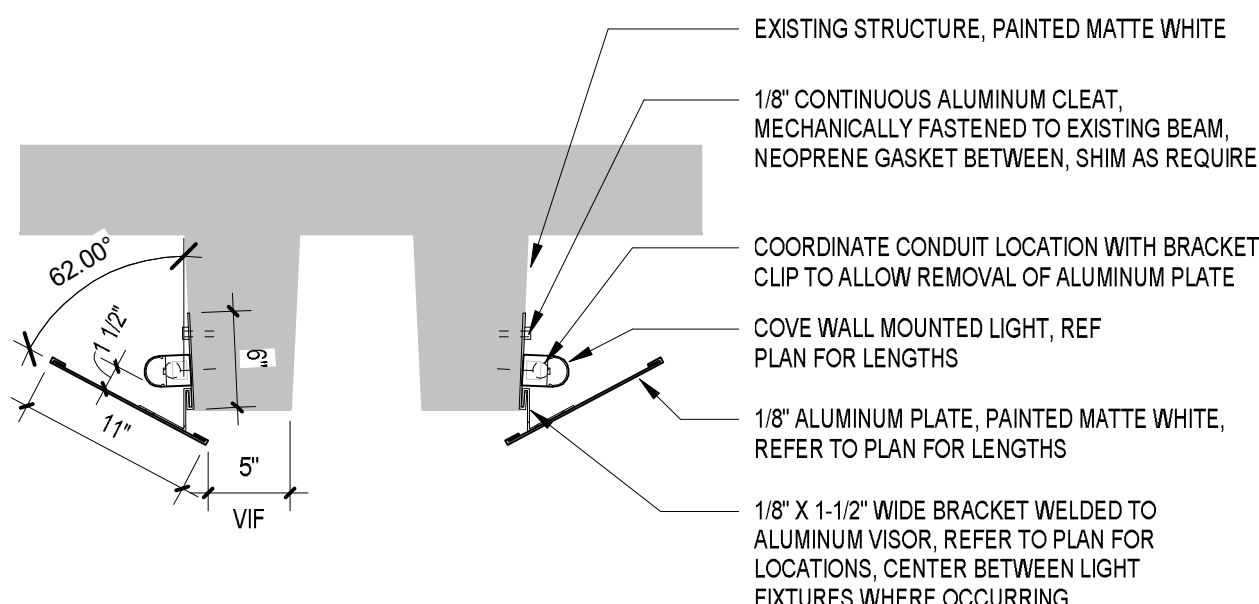
---	PROJECT LIMIT LINE
---	NEW WALLS
---	EXISTING WALLS
---	EXISTING DOOR TO REMAIN

RCP LEGEND

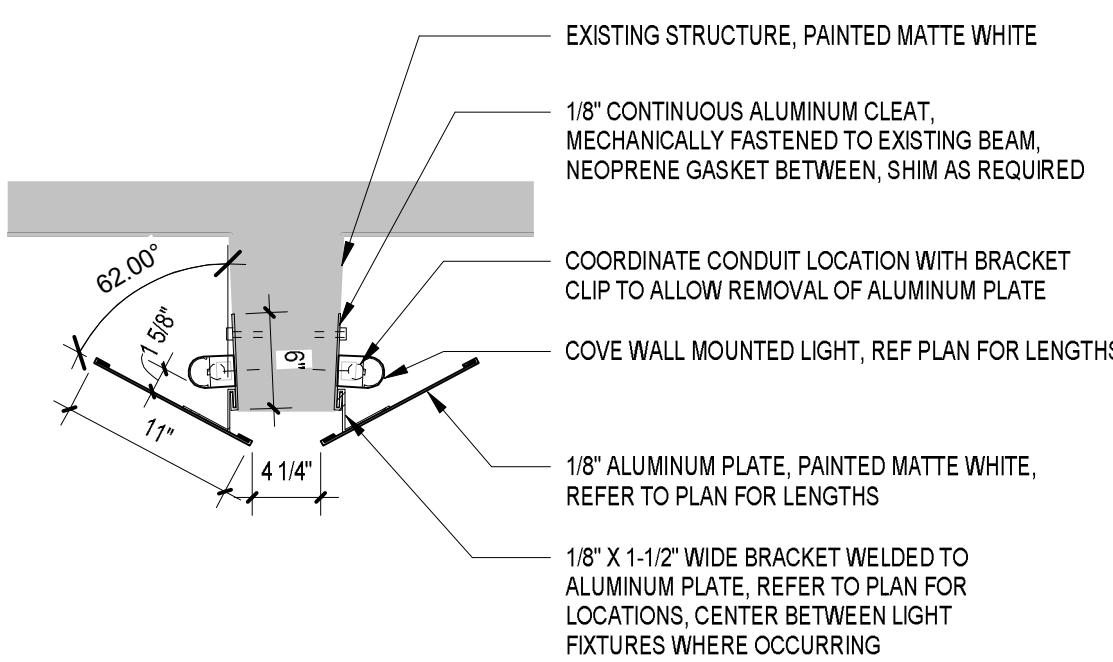
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---	PAINTED GNB CEILING
---	SURFACE MOUNTED LIGHT FIXTURE
---	PENDANT LIGHT FIXTURE



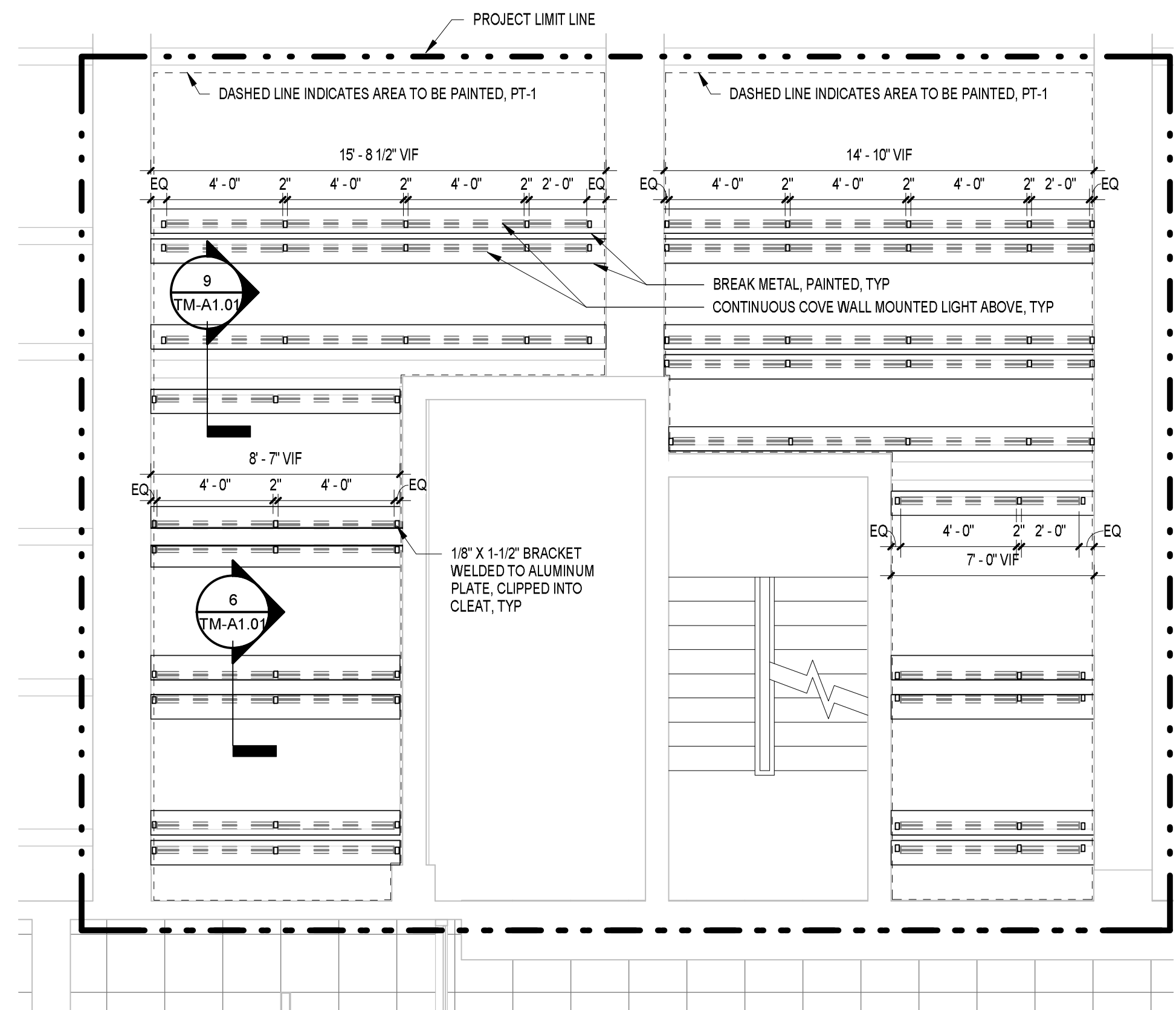
1ST FLOOR KEY PLAN  
N.T.S.



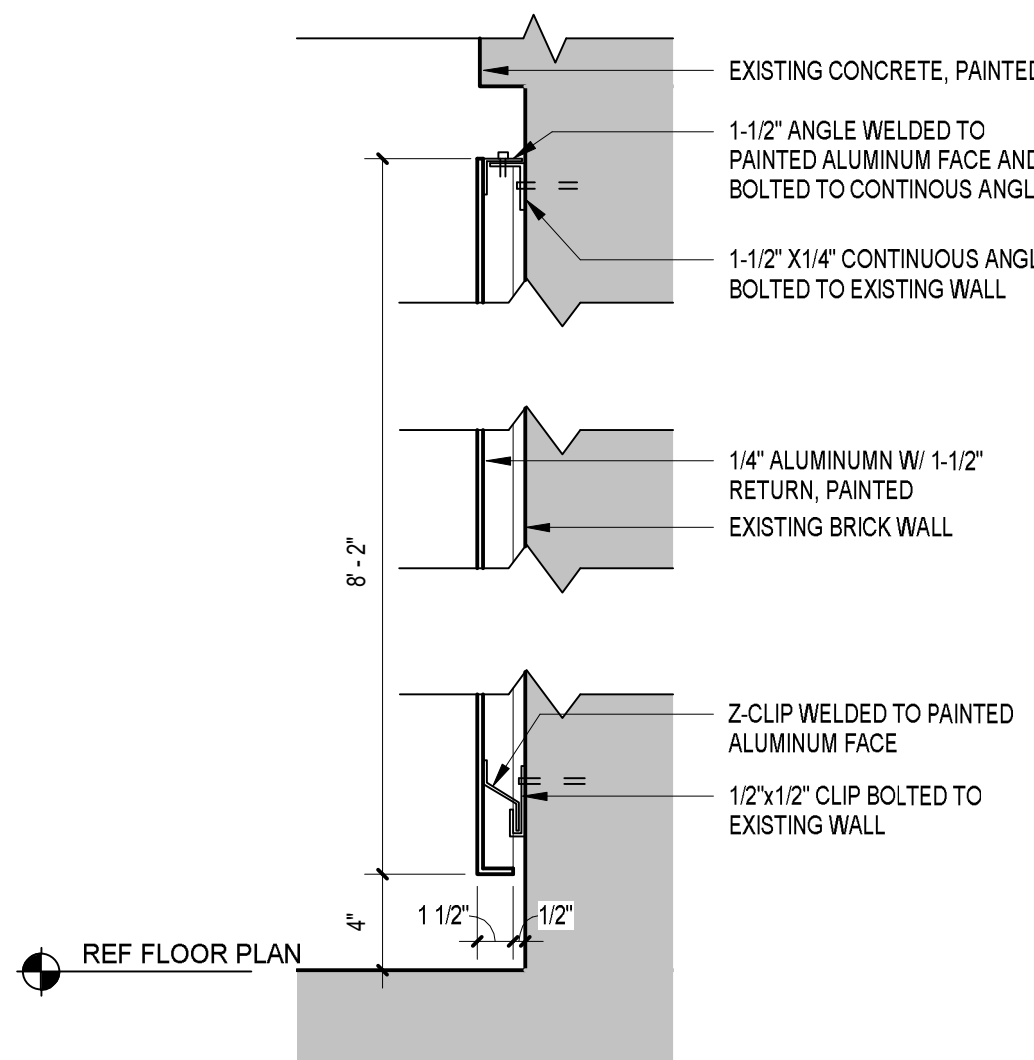
9 TYP DOUBLE BEAM LIGHT FIXTURE DETAIL  
TM-A1.01 1" = 1'-0"



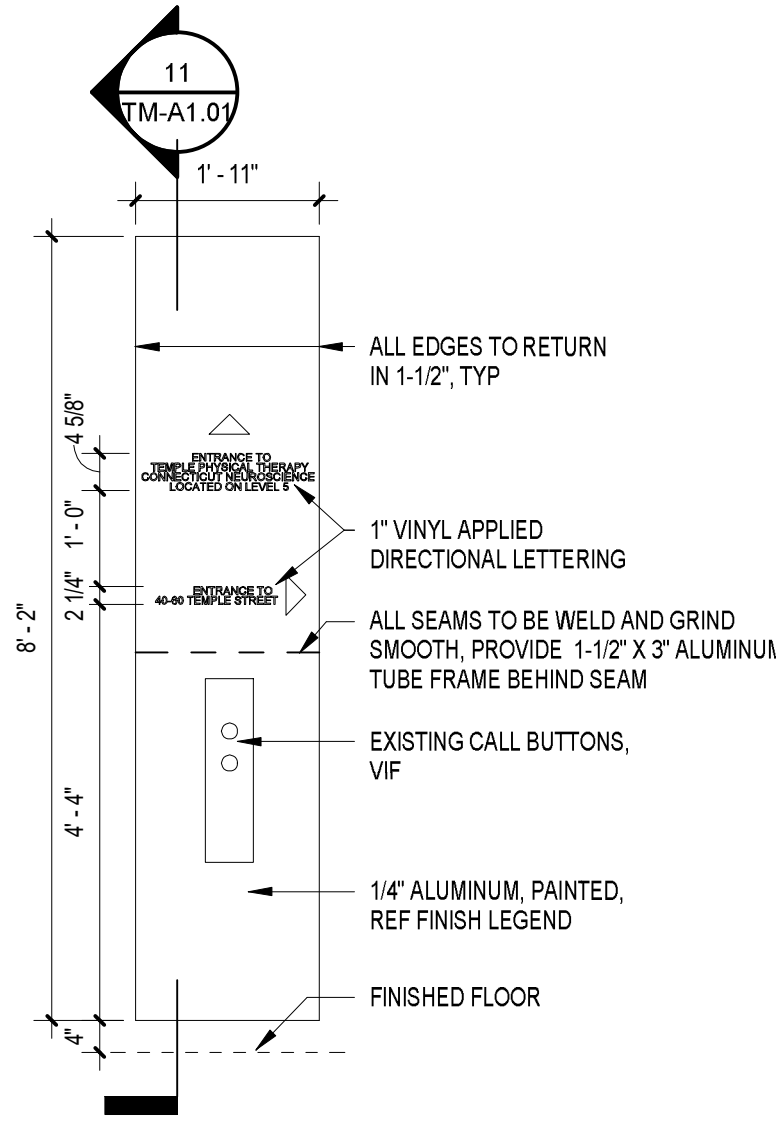
6 TYP LIGHT FIXTURE DETAIL  
TM-A1.01 1" = 1'-0"



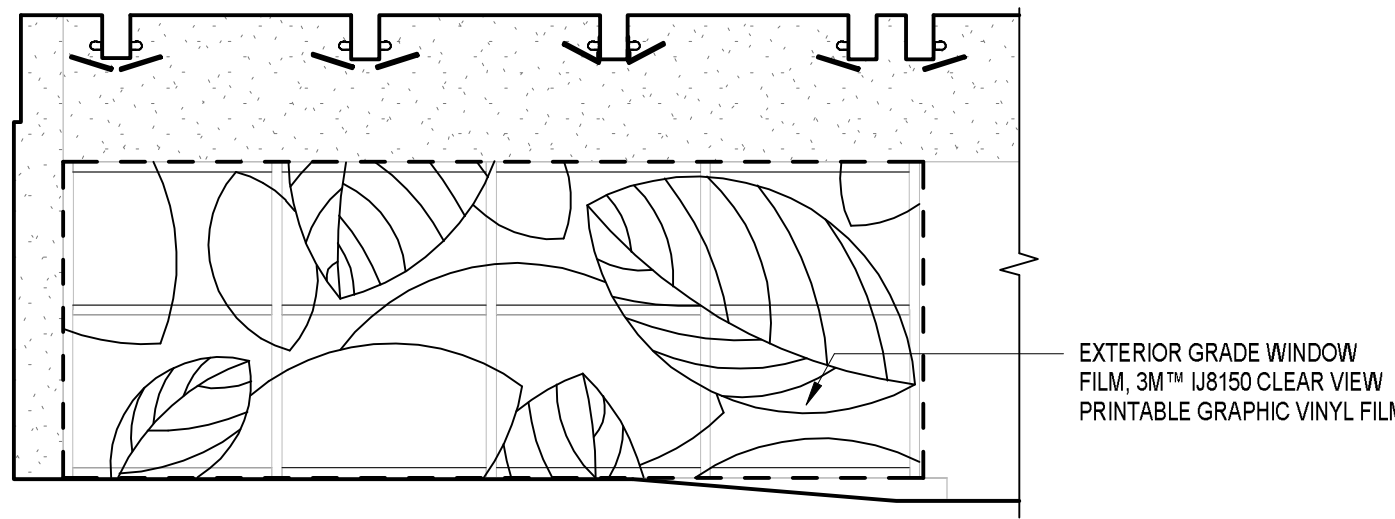
2 LEVEL 1 REFLECTED CEILING PLAN  
TM-A1.01 1/4" = 1'-0"



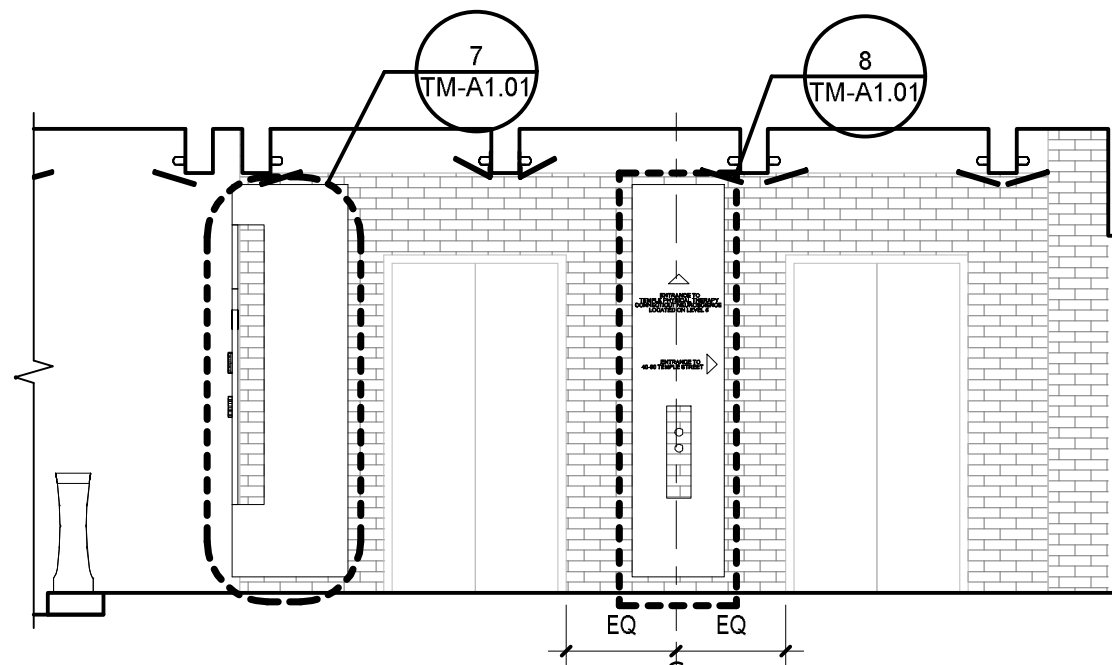
11 ALUMINUM SIGNAGE DETAIL  
TM-A1.01 1 1/2" = 1'-0"



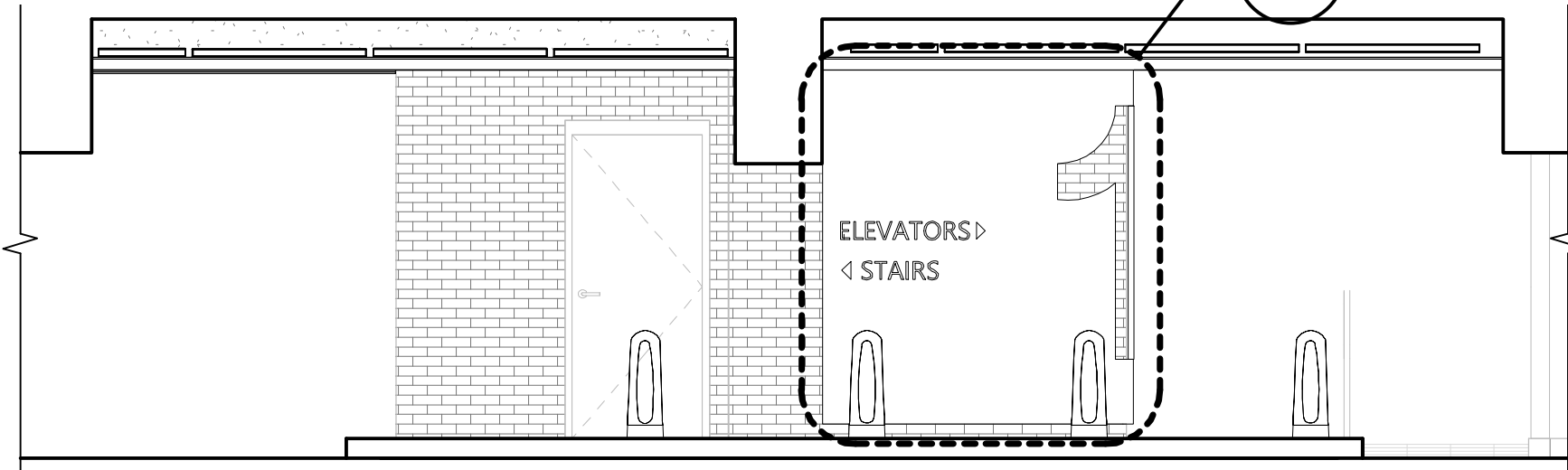
8 SIGN 1C DETAIL  
TM-A1.01 1/2" = 1'-0"



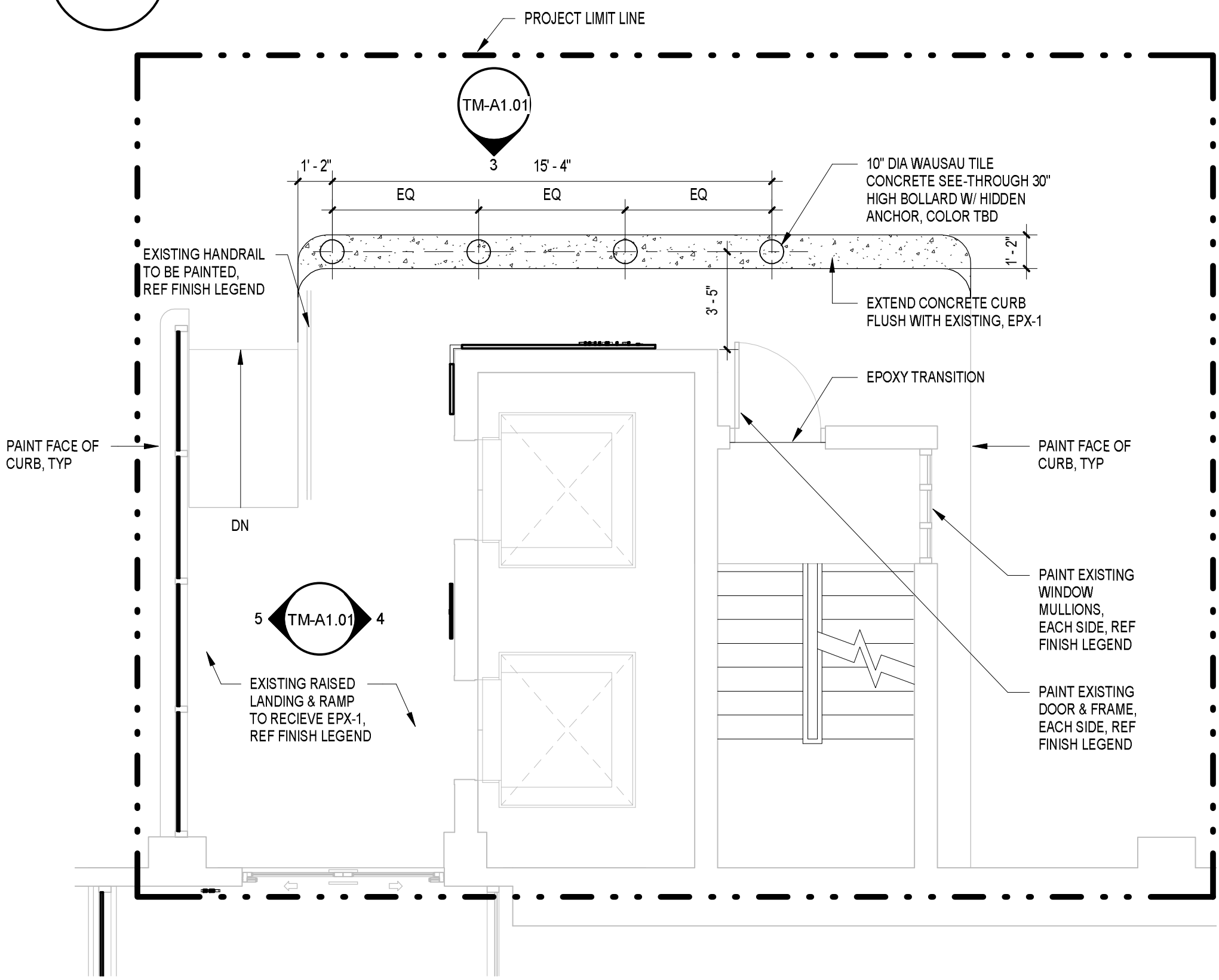
5 LEVEL 1 EAST ELEVATION  
TM-A1.01 1/4" = 1'-0"



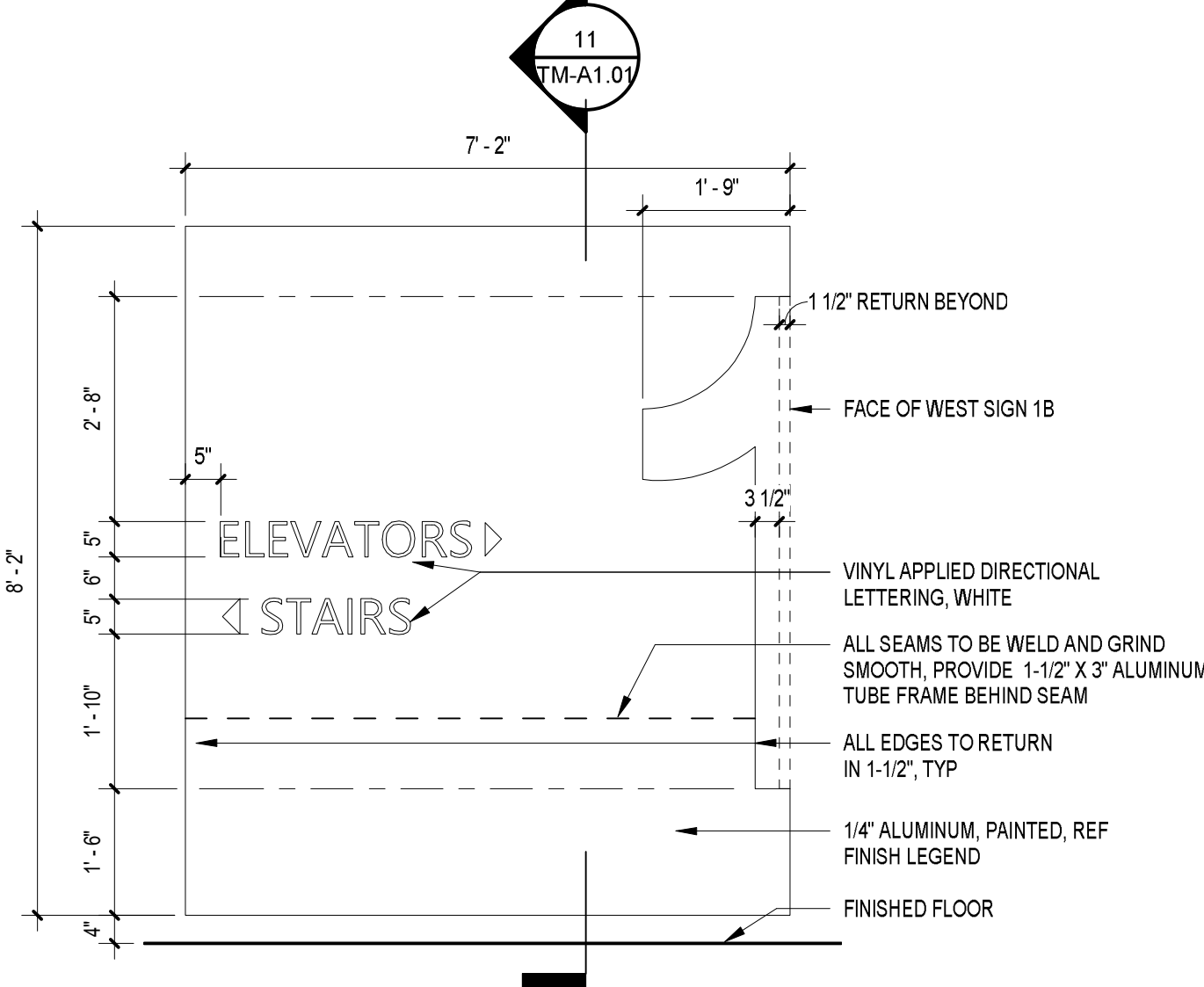
4 LEVEL 1 WEST ELEVATION  
TM-A1.01 1/4" = 1'-0"



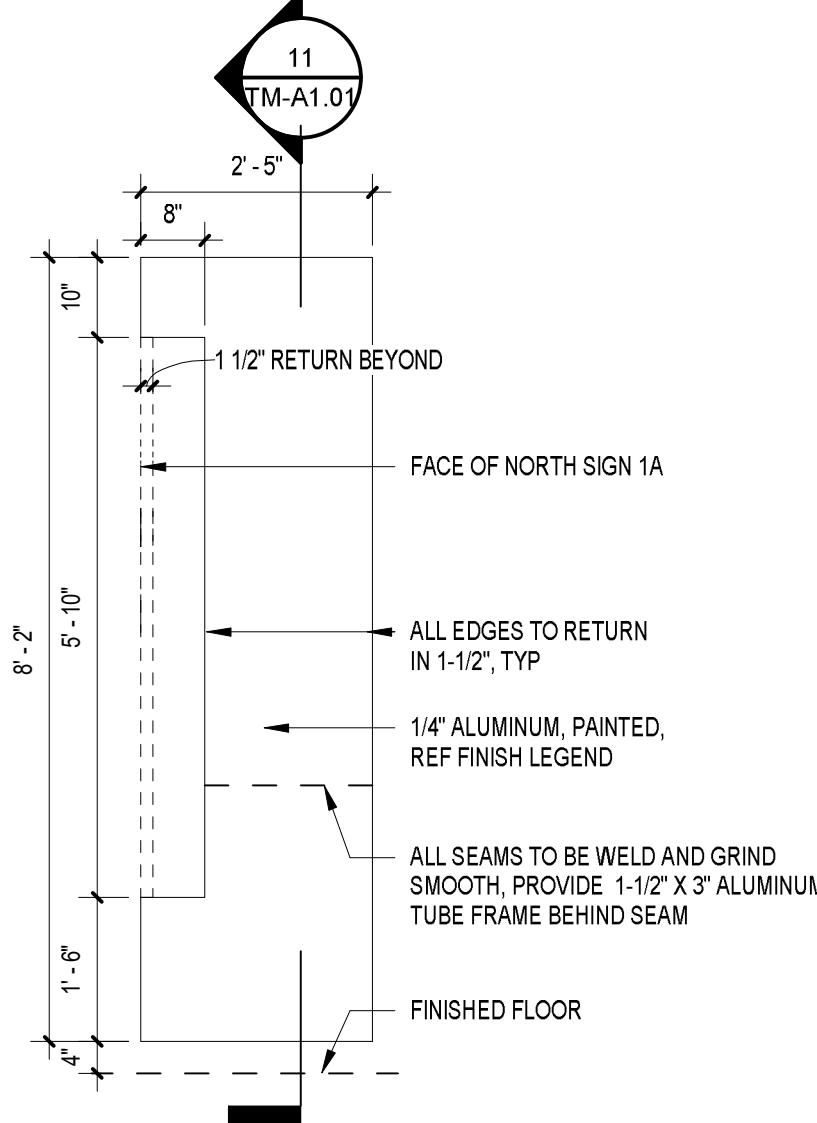
3 LEVEL 1 NORTH ELEVATION  
TM-A1.01 1/4" = 1'-0"



1 LEVEL 1 FLOOR PLAN  
TM-A1.01 1/4" = 1'-0"



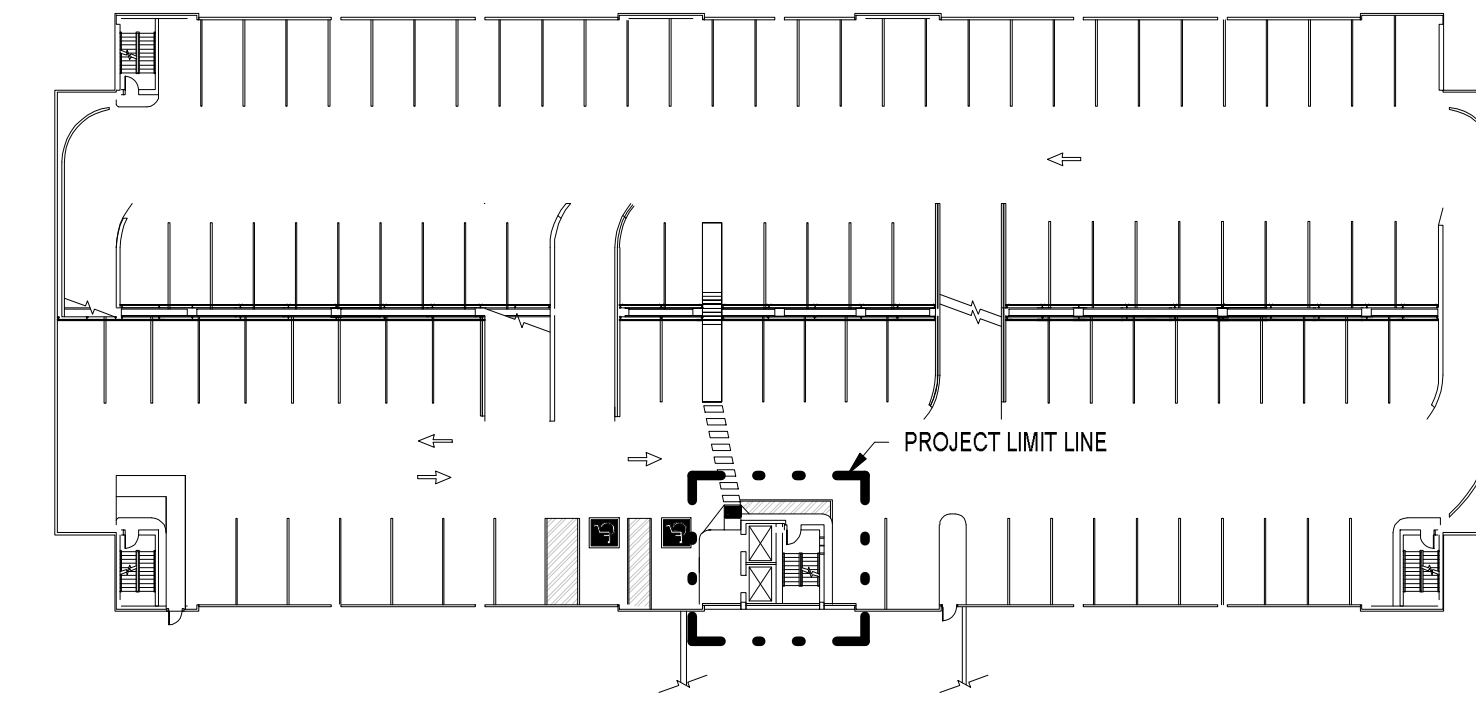
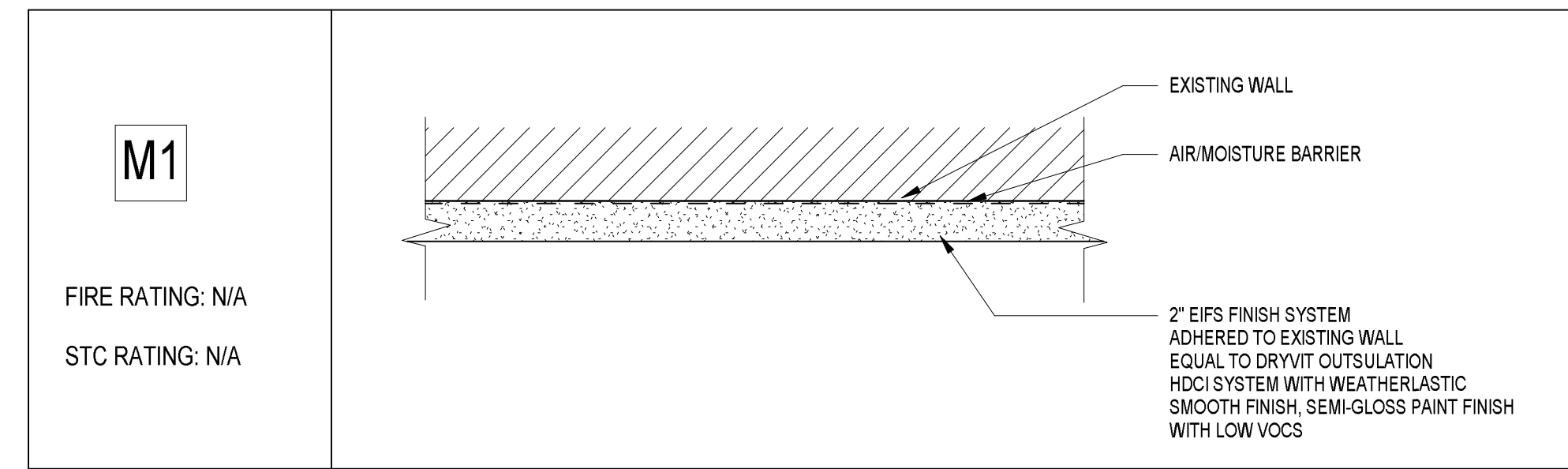
10 SIGN 1A DETAIL  
TM-A1.01 1/2" = 1'-0"











7 SIGN 1B DETAIL  
TM-A1.01 1/2" = 1'-0"

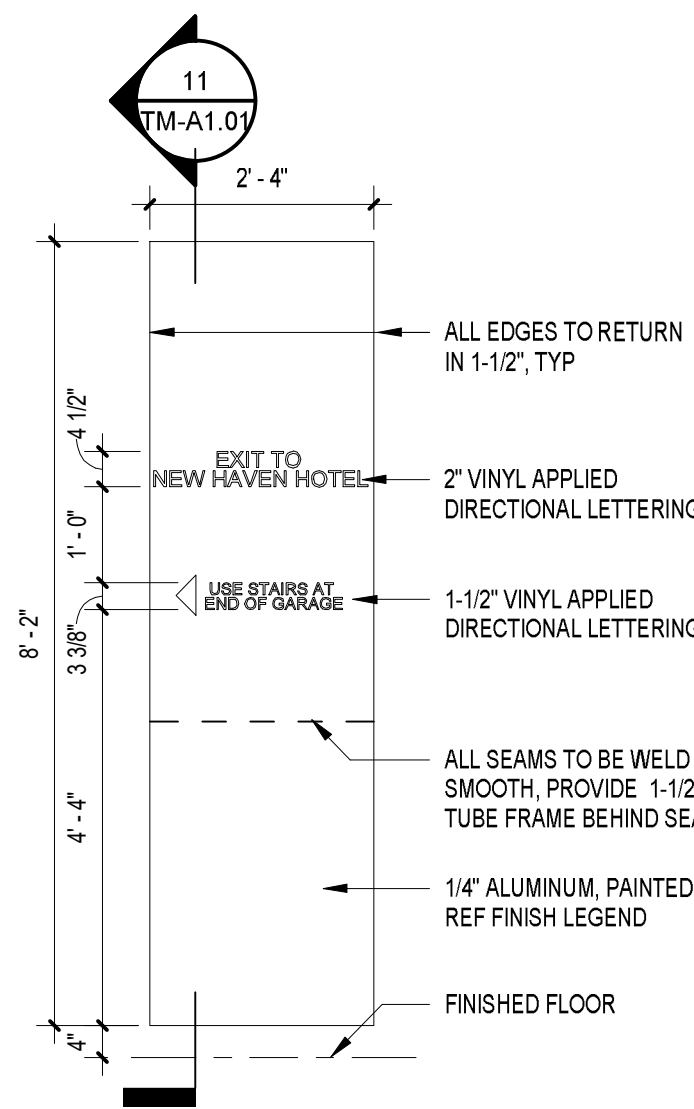
ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES



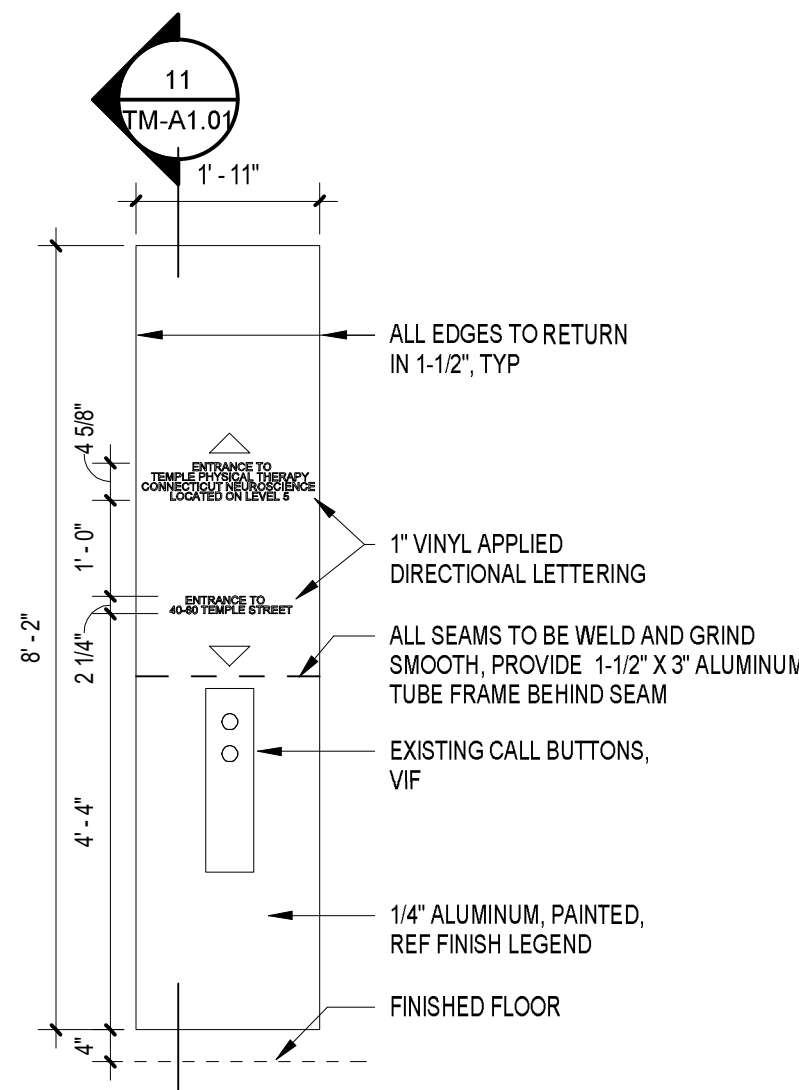


2ND FLOOR KEY PLAN  
N.T.S.

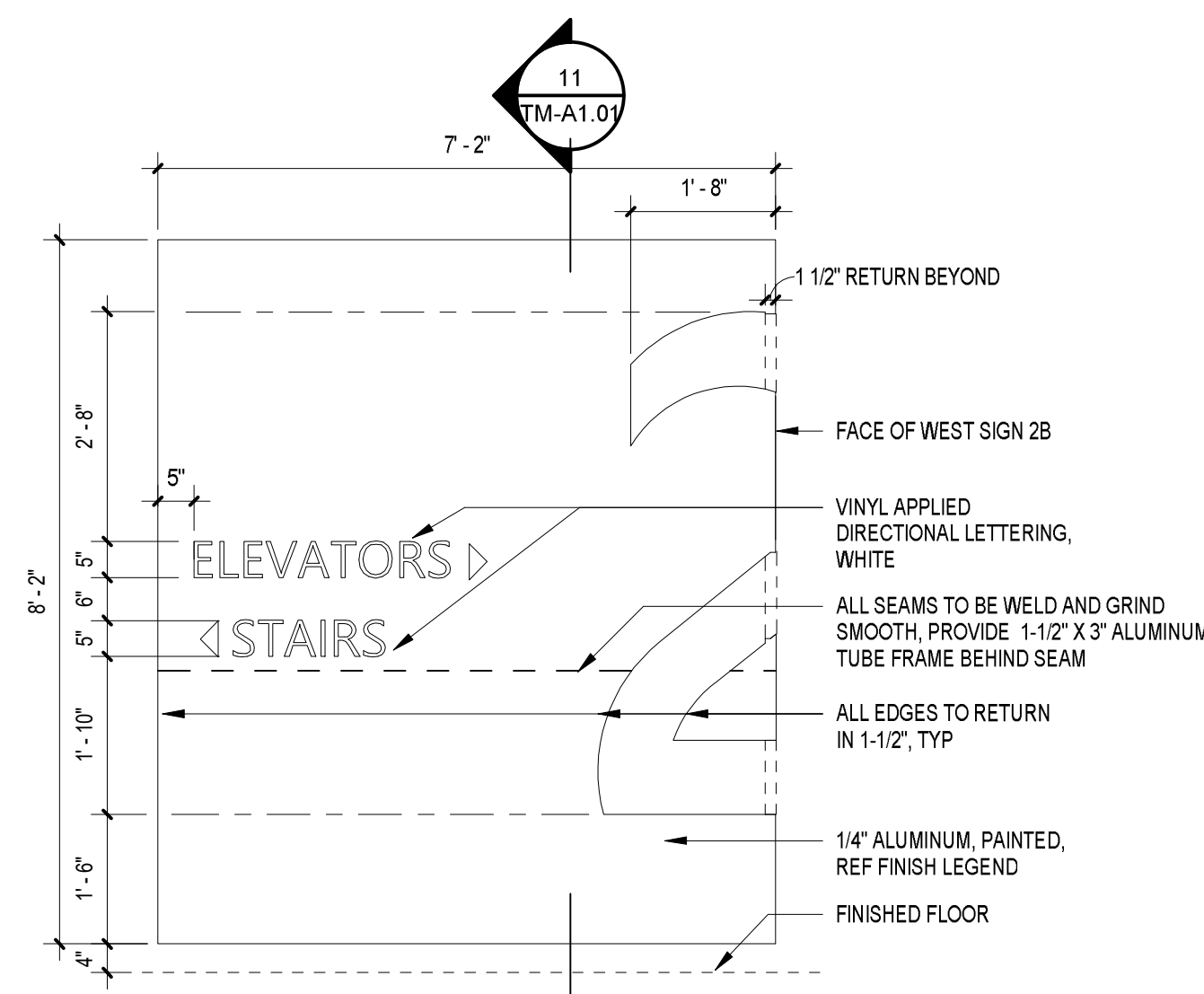
PLAN LEGEND	
	PROJECT LIMIT LINE
	NEW WALLS
	EXISTING WALLS
	EXISTING DOOR TO REMAIN
RCP LEGEND	
	ACOUSTICAL CEILING TILE AND GRID
	PAINTED GWB CEILING
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE



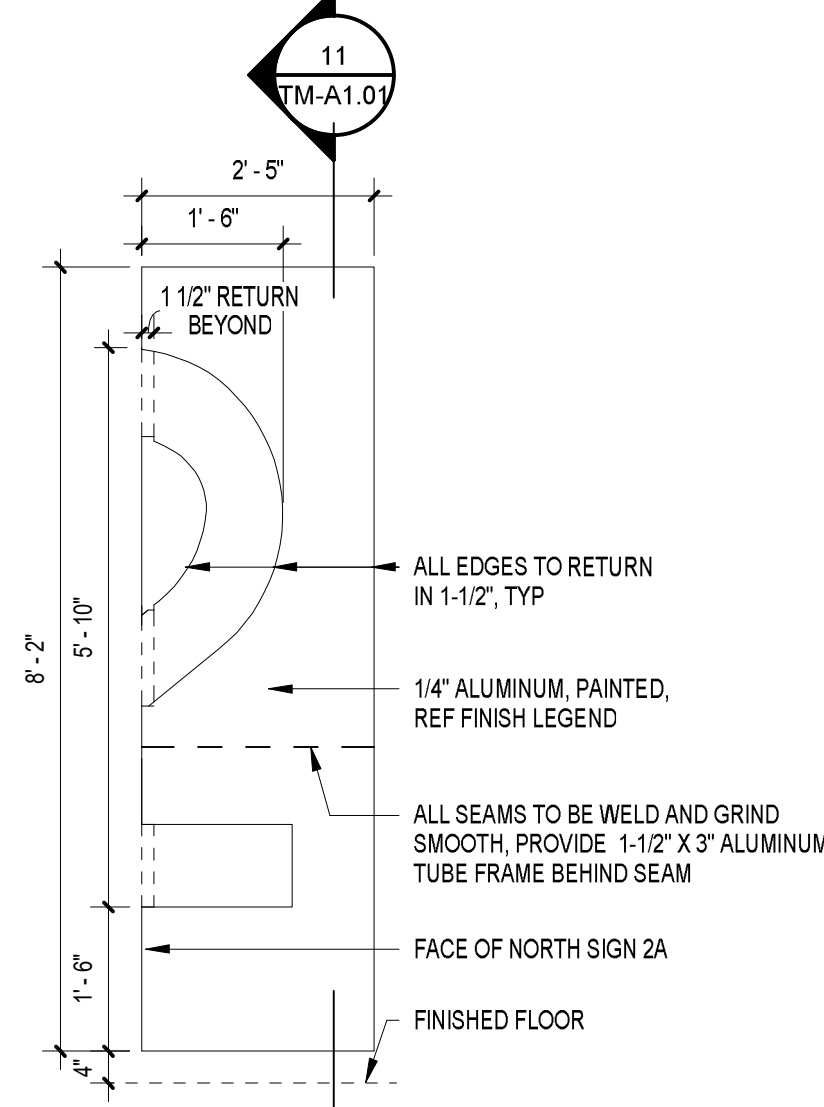
9 SIGN 2D DETAIL  
TM-A1.02 1/2" = 1'-0"



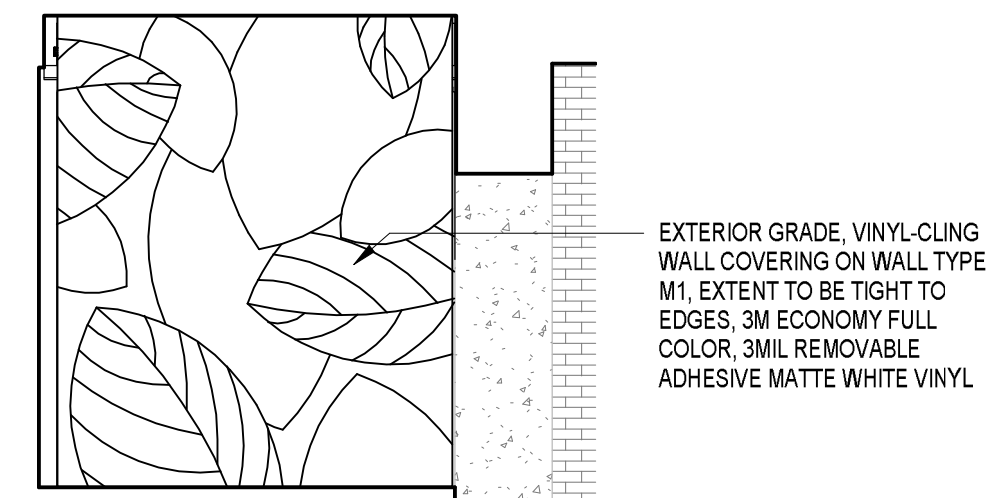
7 SIGN 2C DETAIL  
TM-A1.02 1/2" = 1'-0"



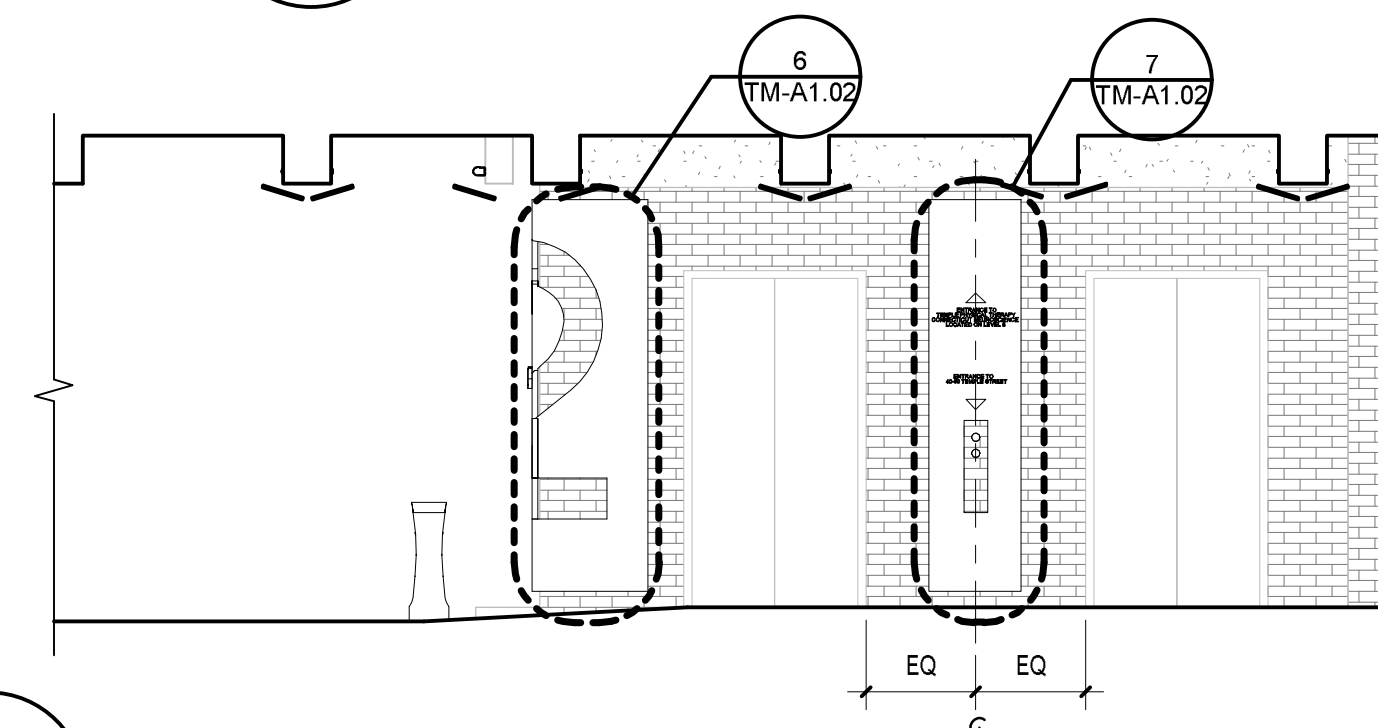
8 SIGN 2A DETAIL  
TM-A1.02 1/2" = 1'-0"



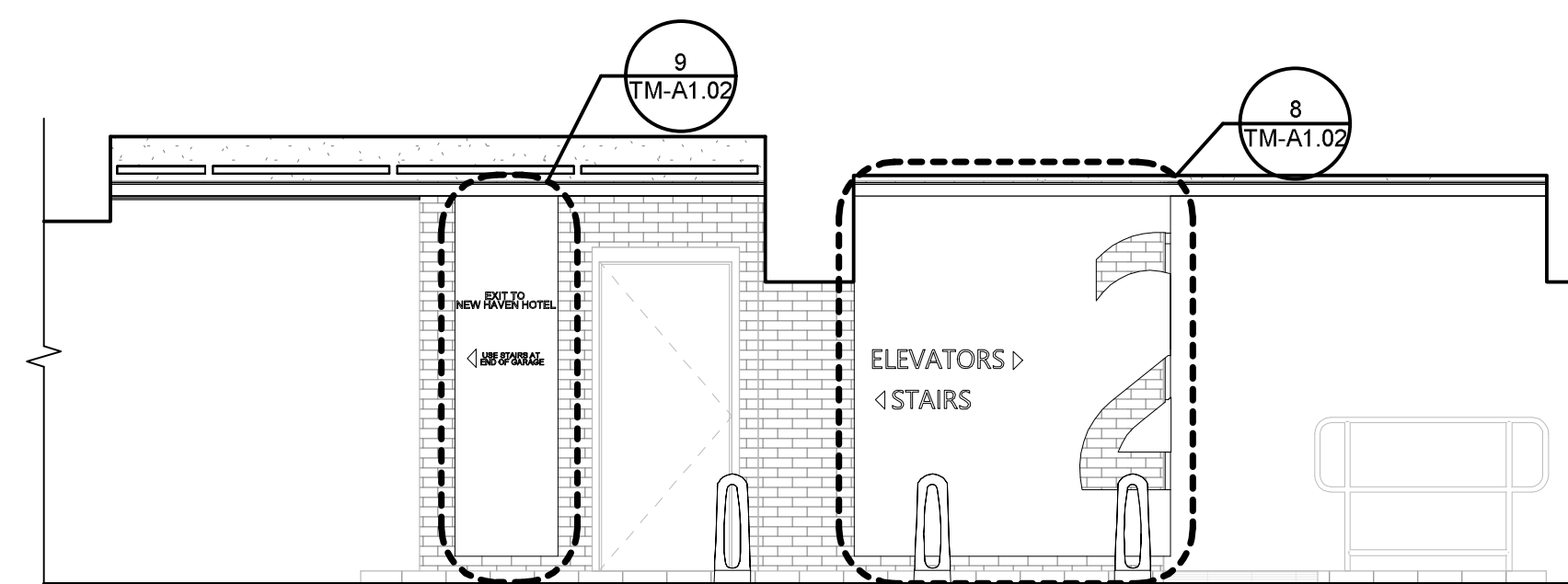
6 SIGN 2B DETAIL  
TM-A1.02 1/2" = 1'-0"



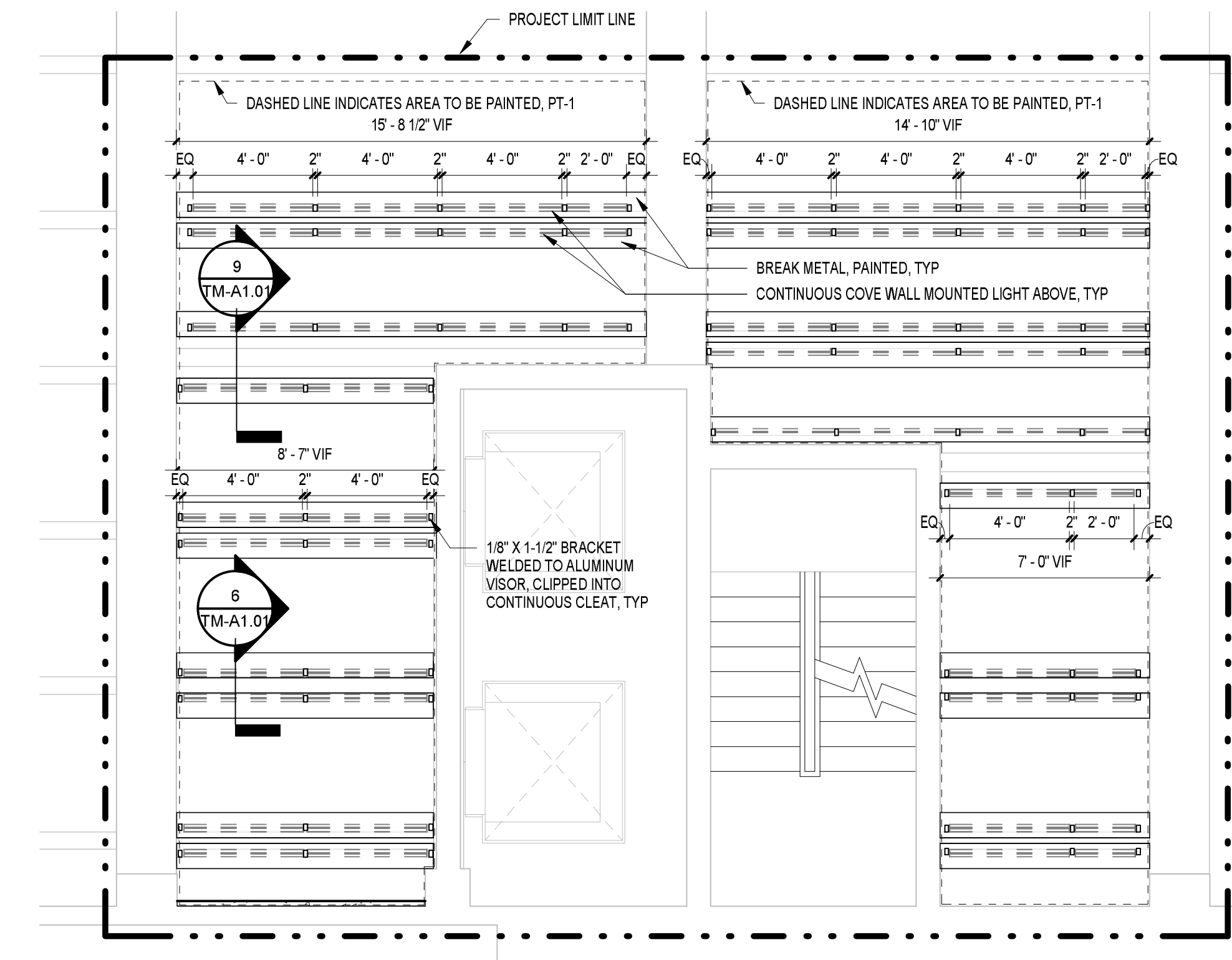
5 LEVEL 2 NORTH A ELEVATION  
TM-A1.02 1/4" = 1'-0"



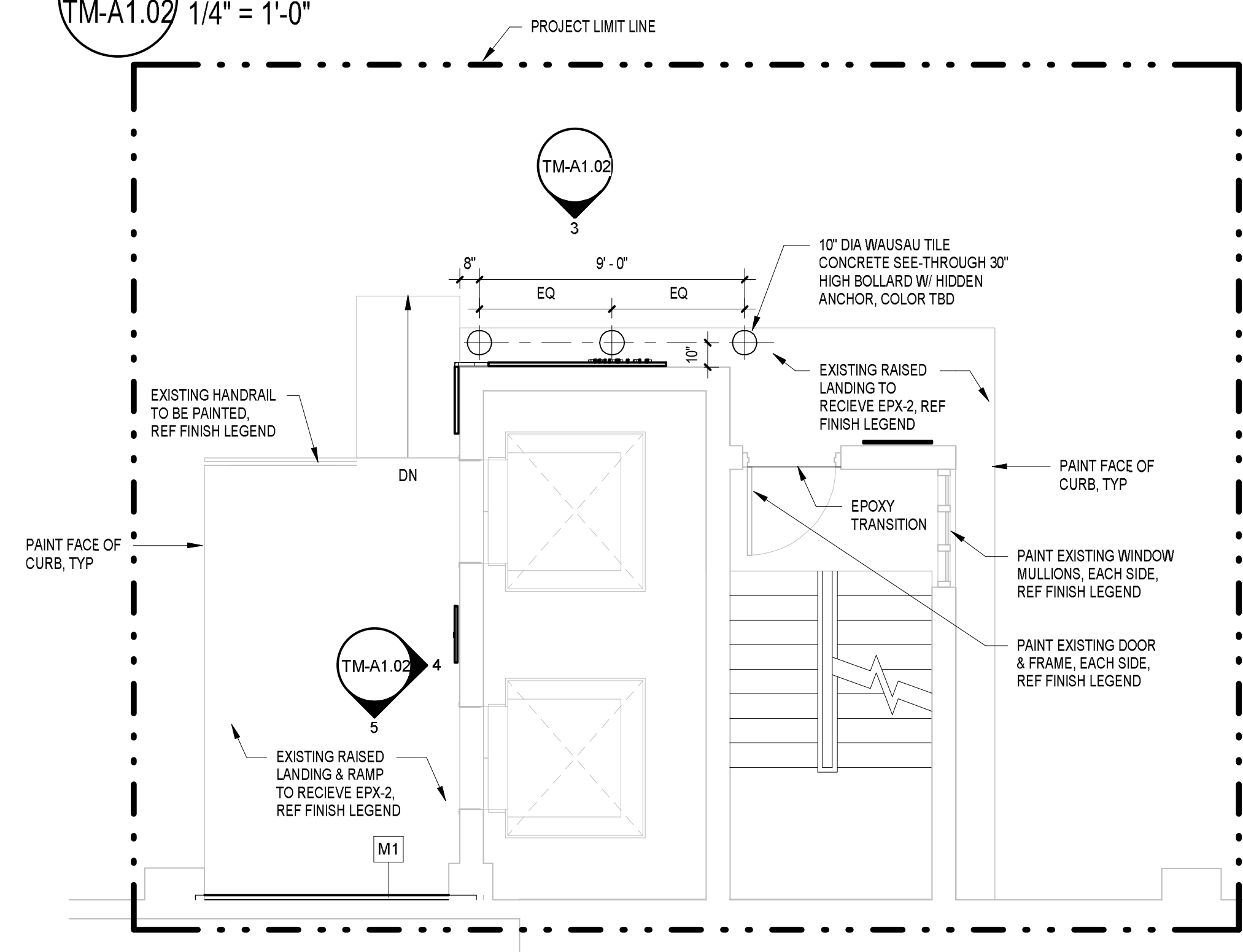
4 LEVEL 2 WEST ELEVATION  
TM-A1.02 1/4" = 1'-0"



3 LEVEL 2 NORTH ELEVATION  
TM-A1.02 1/4" = 1'-0"



2 LEVEL 2 REFLECTED CEILING PLAN  
TM-A1.02 1/4" = 1'-0" PROJECT LIMIT



1 LEVEL 2 FLOOR PLAN  
TM-A1.02 1/4" = 1'-0"

NO.	DATE	BY
REVISIONS		
DRAWING FILE		
LEVEL 2 FLOOR PLANS		

PAWING

M-A1.02

AS  
ALE: NOTED  
DECEMBER

DATE: JULY 2025

РА 20-201/6.00-2

21-011		
FIGN	DRAWN	CHK'D

SIGN	DRAWN	CH KD.
D.S.	K.D.S.	K.D.S.

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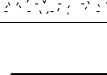


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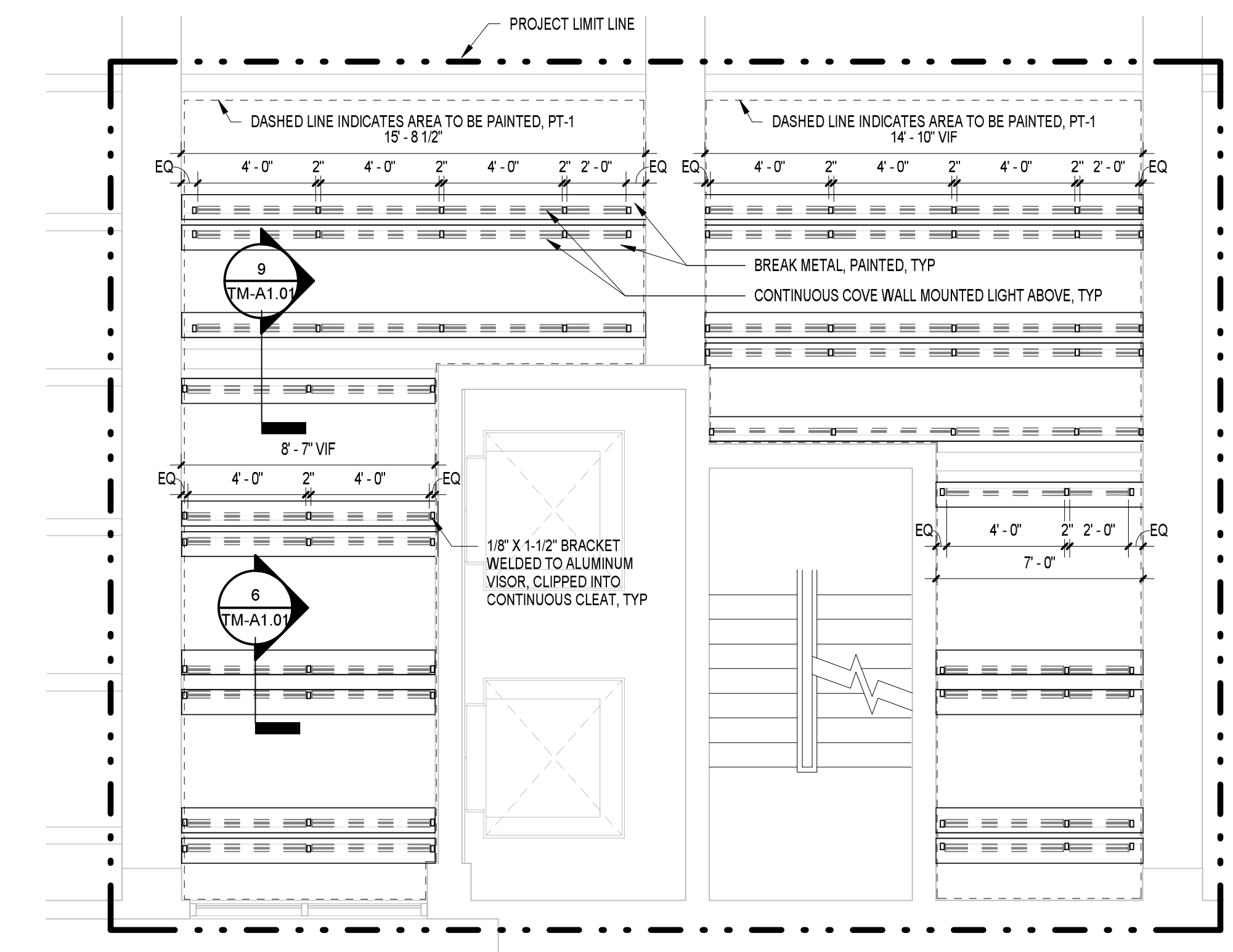
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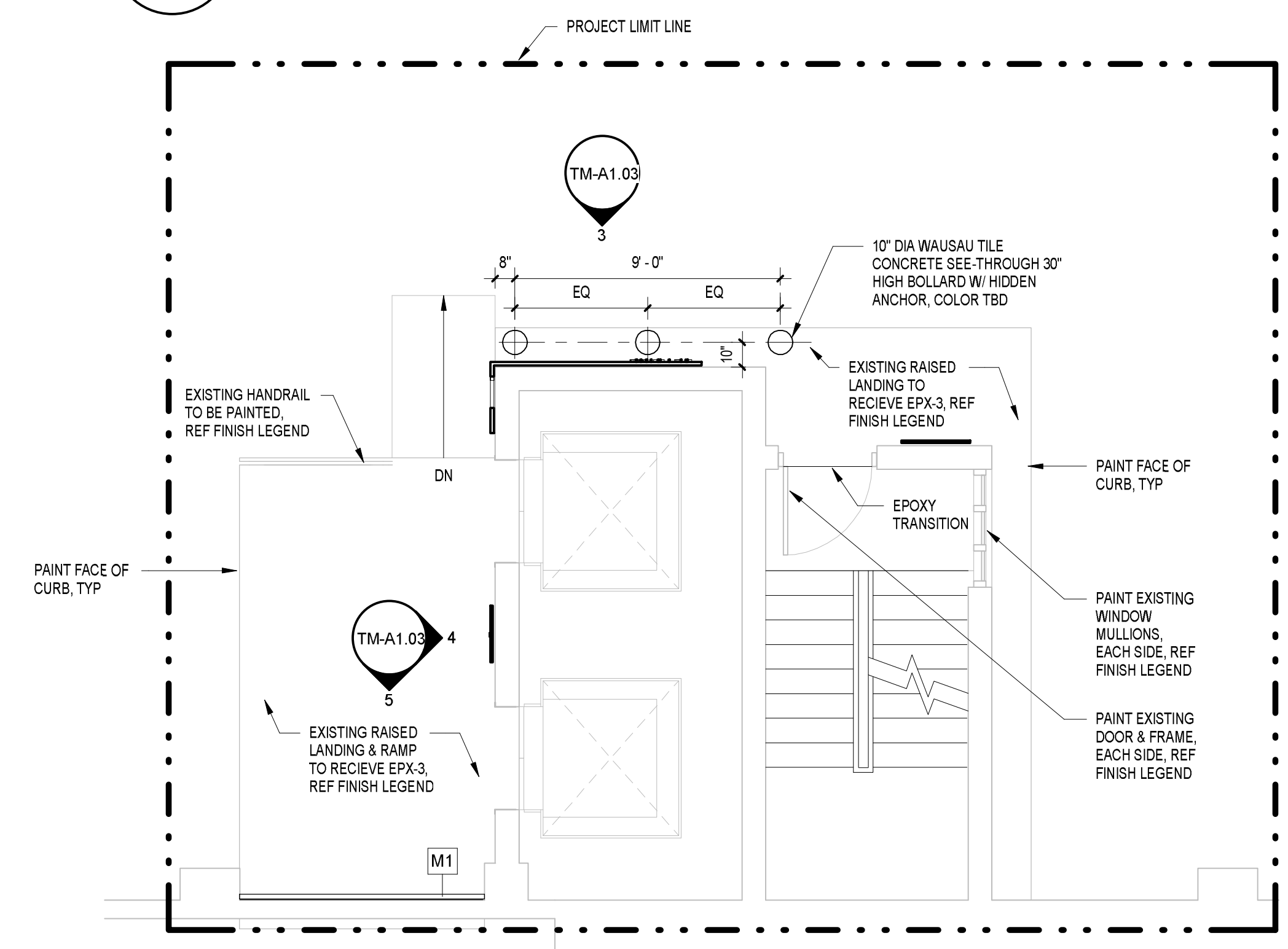




	PROJECT LIMIT LINE
	NEW WALLS
	EXISTING WALLS
	EXISTING DOOR TO REMAIN
<b>RCP LEGEND</b>	
	ACOUSTICAL CEILING TILE AND GRID
	PAINTED GWB CEILING
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE

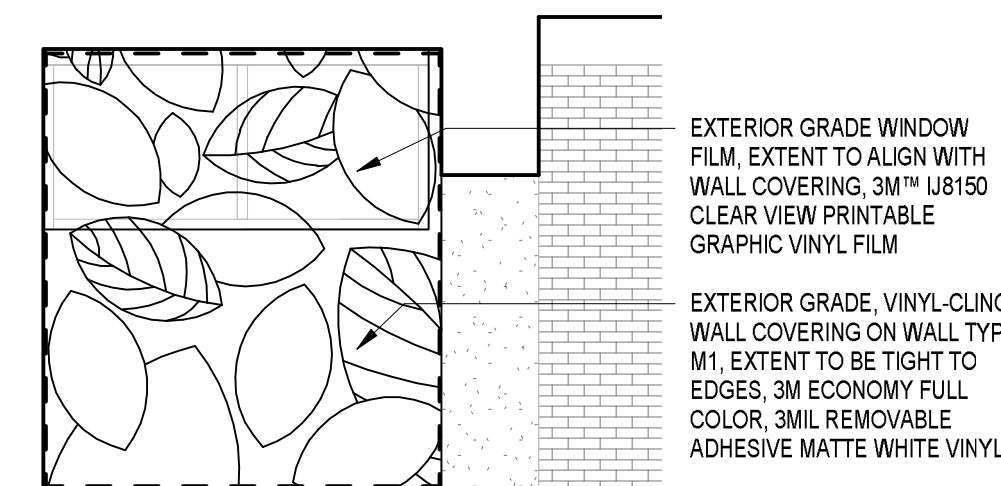


2 LEVEL 3 REFLECTED CEILING PLAN  
TM-A1.03 1/4" = 1'-0"

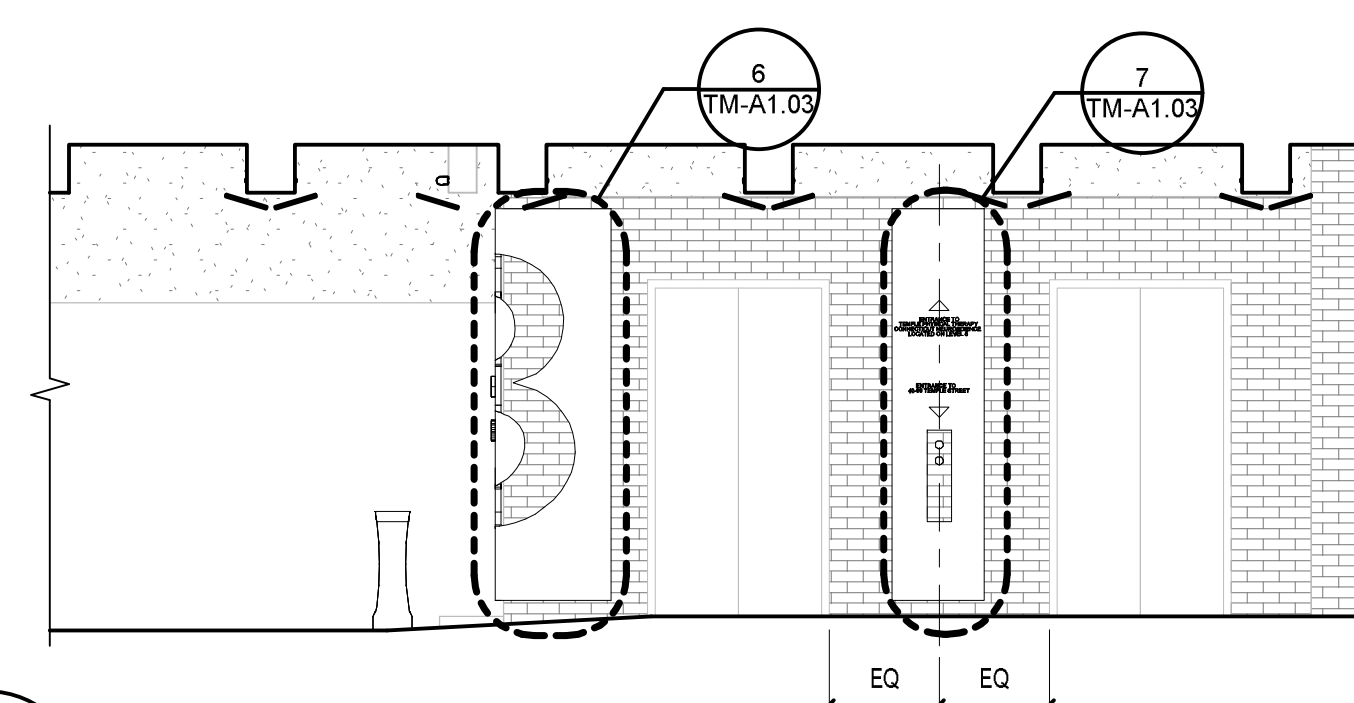


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TM-A1.03

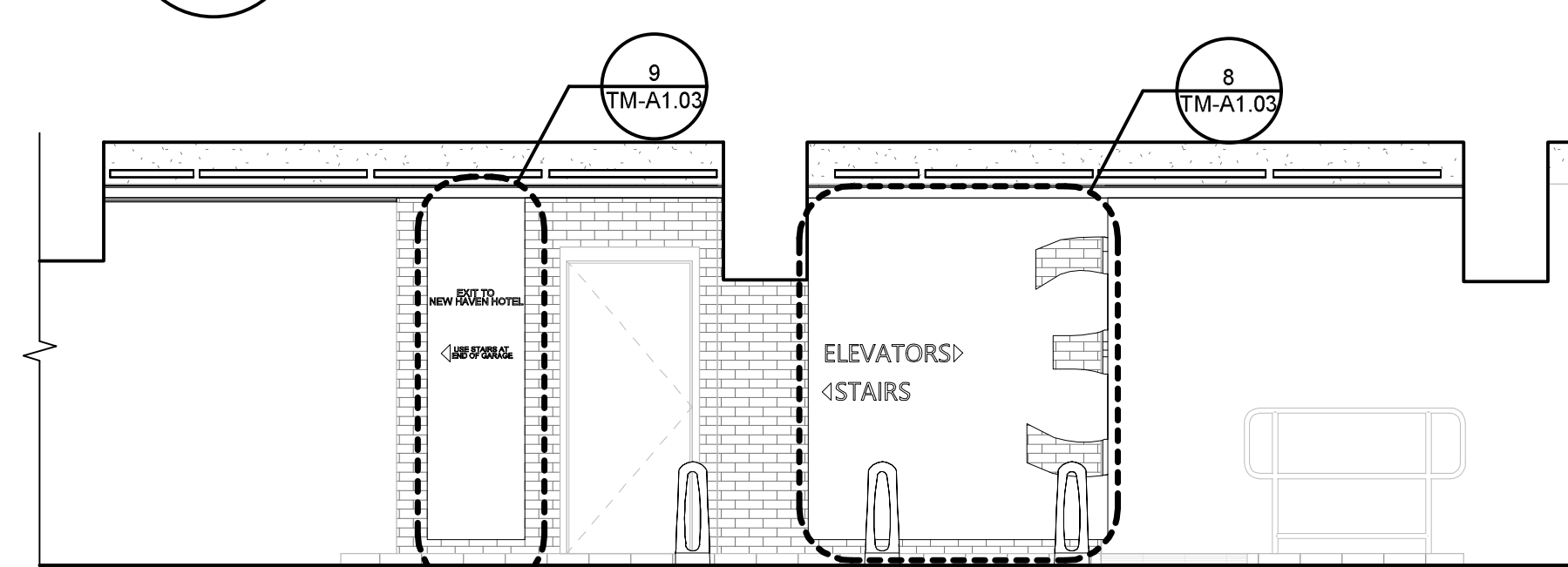
LEVEL 3 FLOOR PLAN  
1/4" = 1'-0"



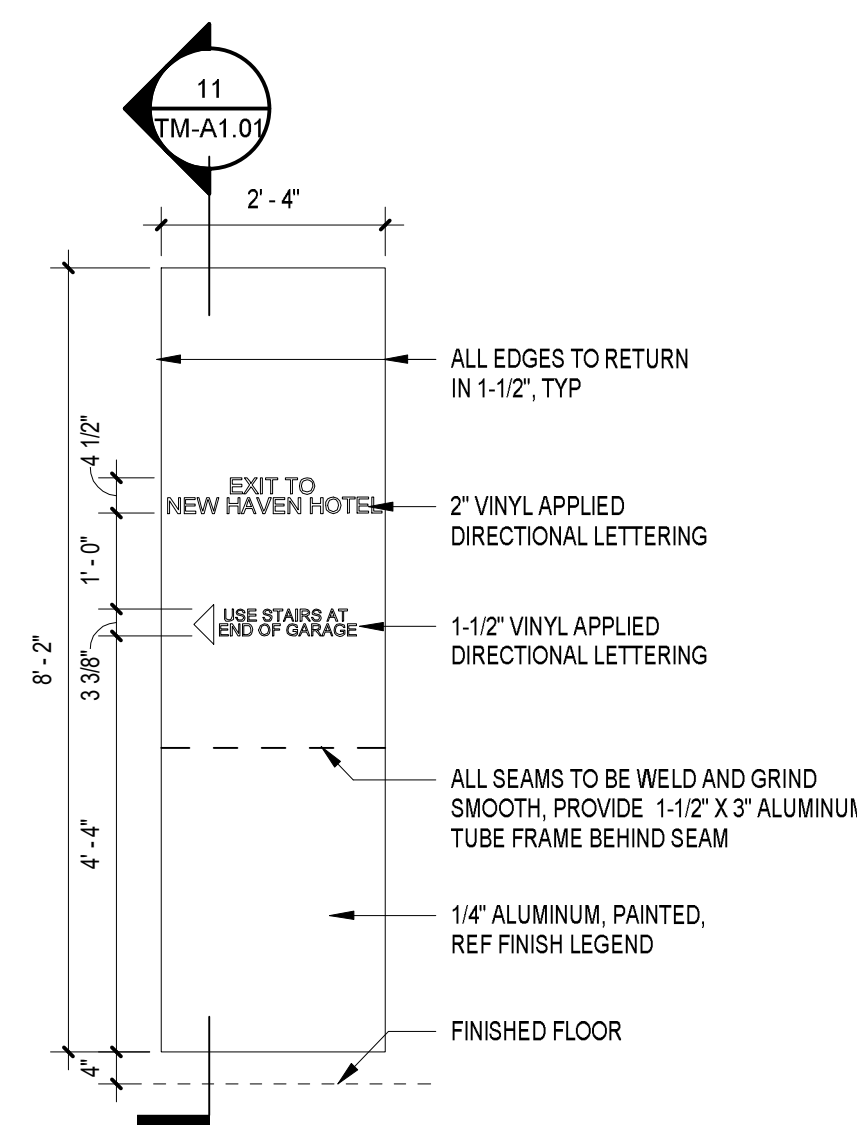
5 LEVEL 3 NORTH A ELEVATION  
TM-A1.03 1/4" = 1'-0"



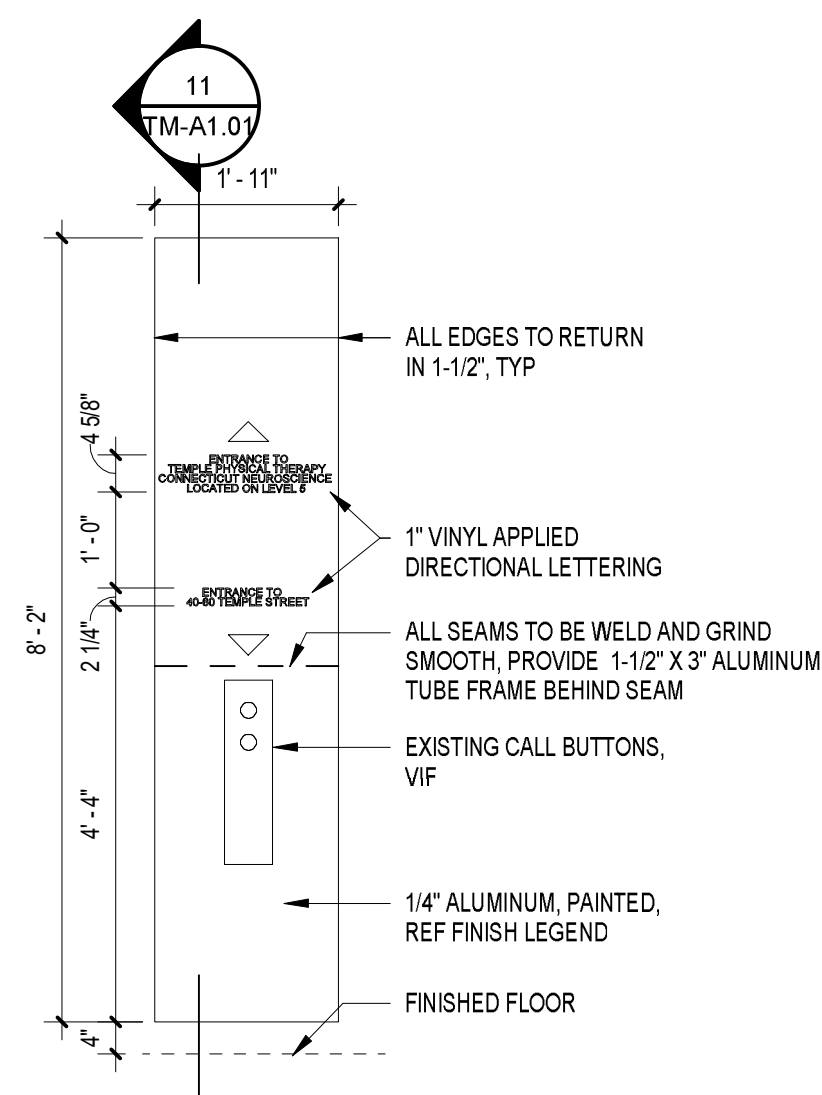
4 LEVEL 3 WEST ELEVATION  
TM-A1.03 1/4" = 1'-0"



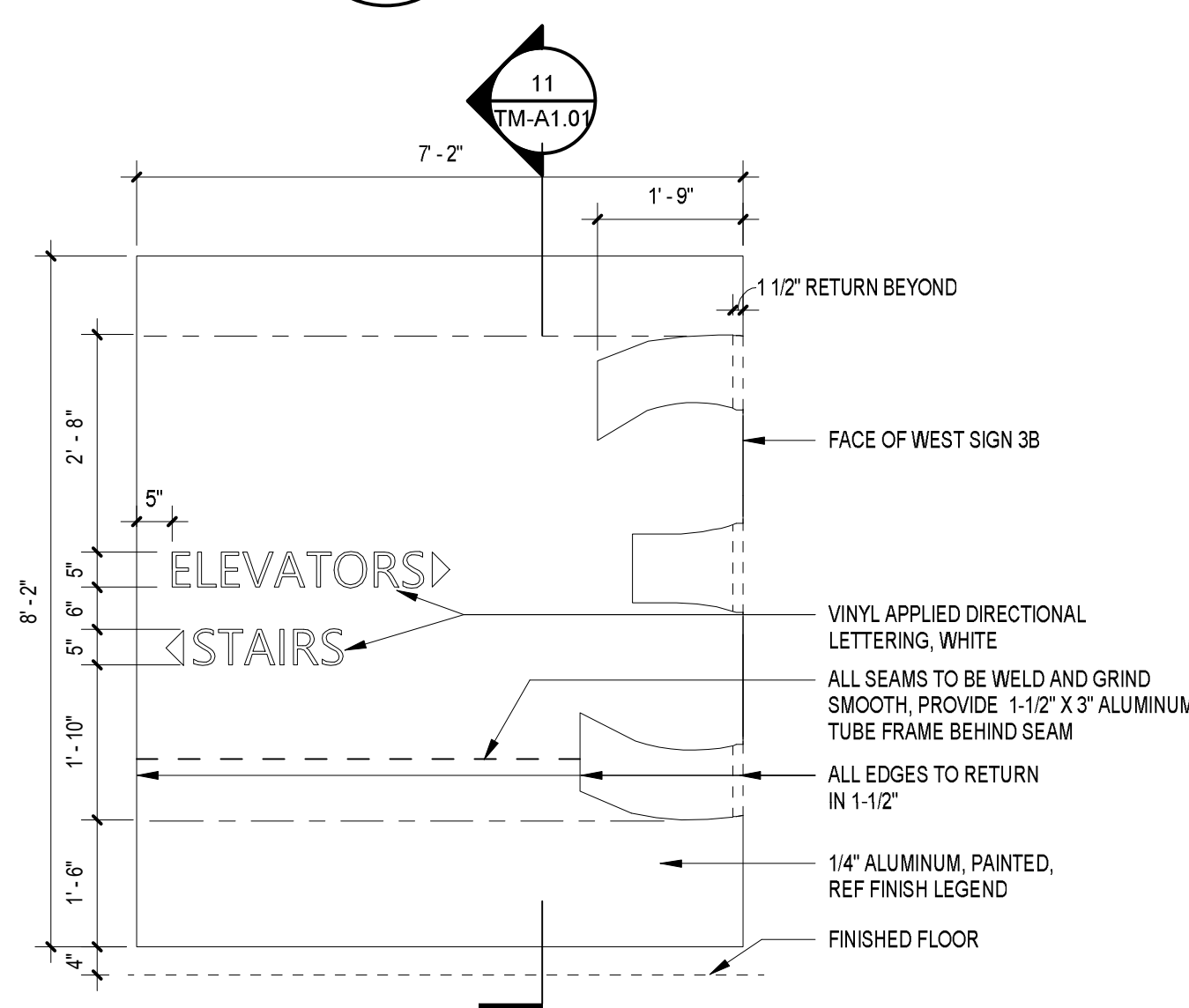
3 LEVEL 3 NORTH ELEVATION  
TM-A1.03 1/4" = 1'-0"



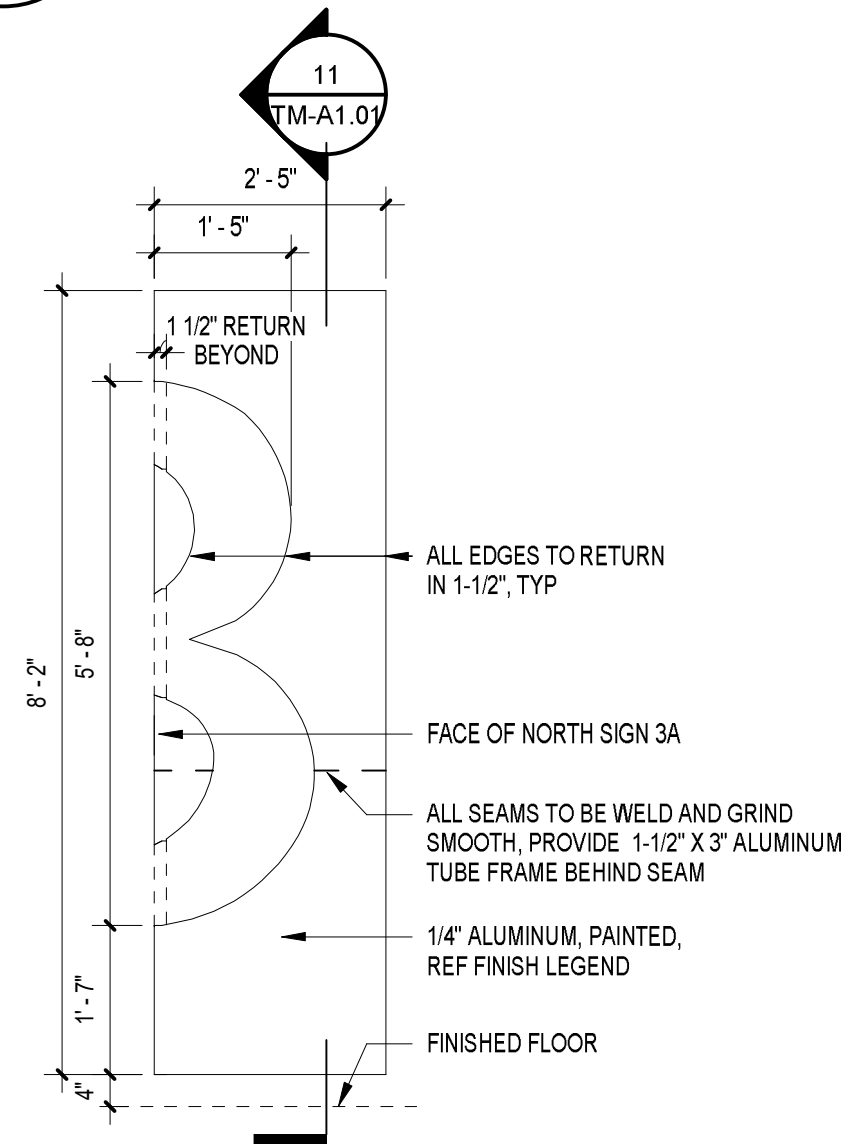
9 SIGN 3D DETAIL  
TM-A1.03 1/2" = 1'-0"



7 SIGN 3C DETAIL  
TM-A1.03 1/2" = 1'-0"



8 SIGN 3A DETAIL  
TM-A1.03 1/2" = 1'-0"



6 SIGN 3B DETAIL  
TM-A1.03 1/2" = 1'-0"

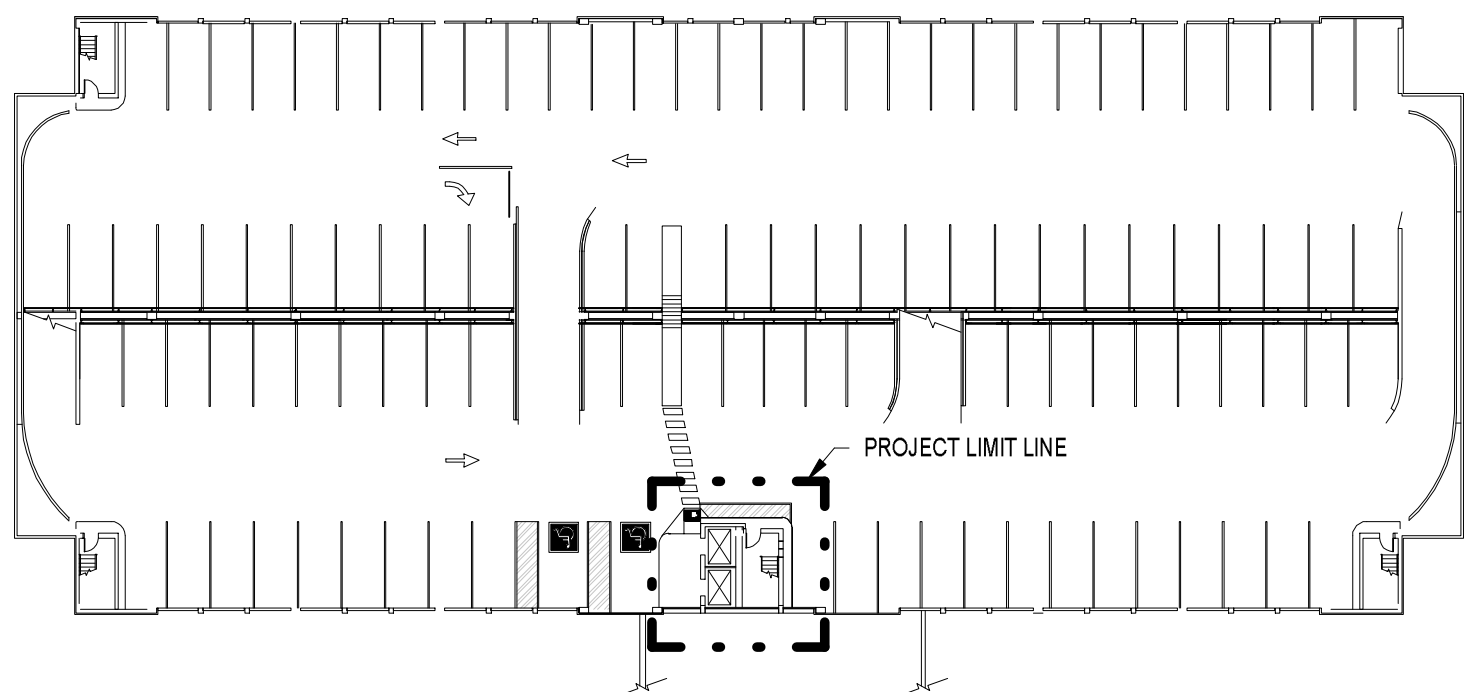


PLAN LEGEND

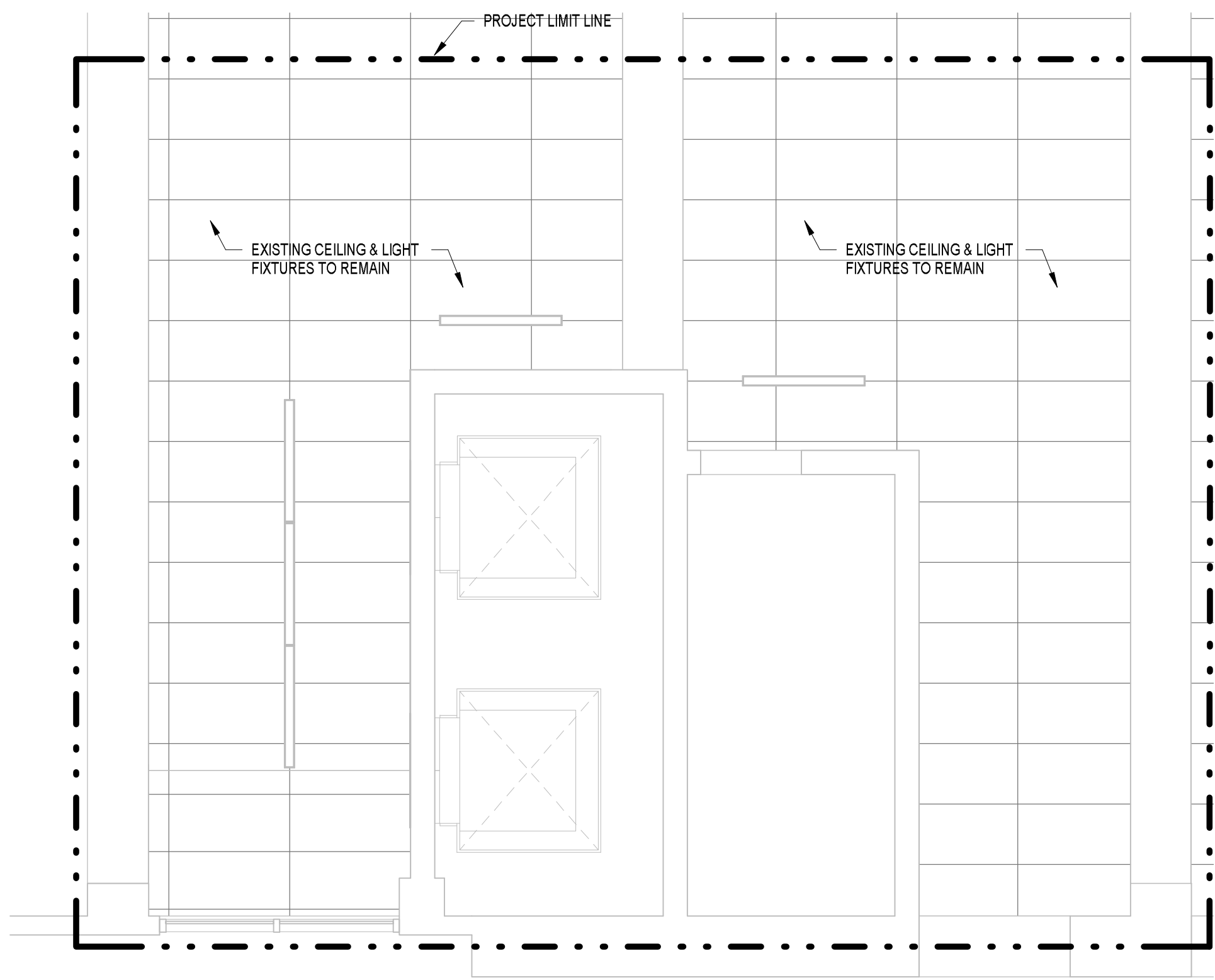
	PROJECT LIMIT LINE
	NEW WALLS
	EXISTING WALLS
	EXISTING DOOR TO REMAIN

RCP LEGEND

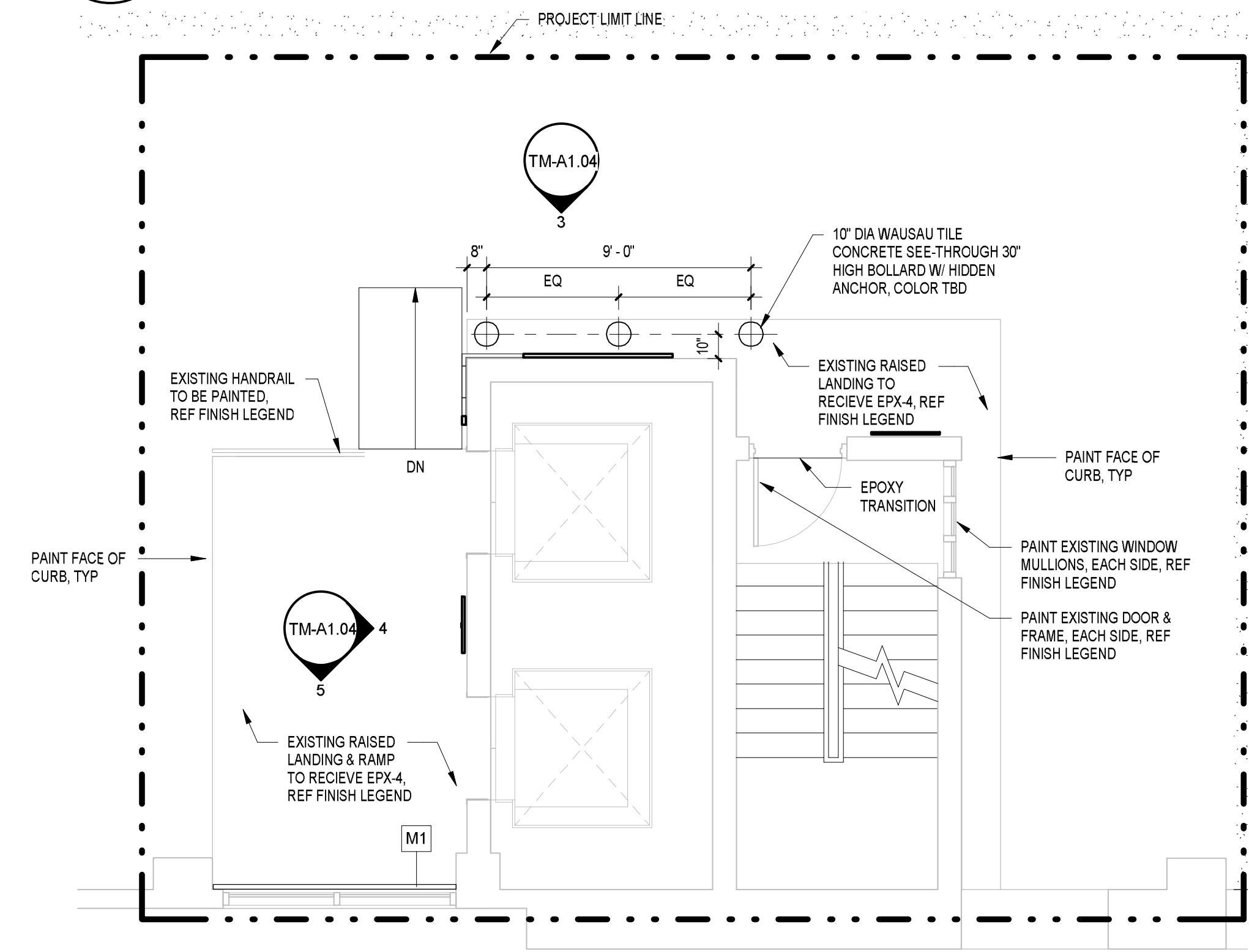
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	PAINTED GWB CEILING
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE



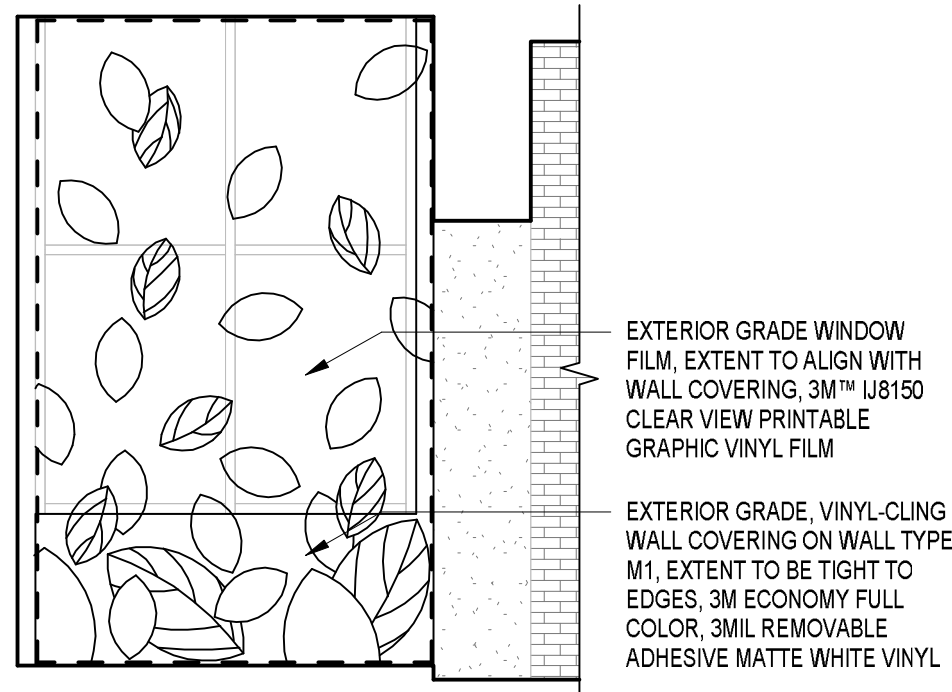
4TH FLOOR KEY PLAN  
N.T.S.



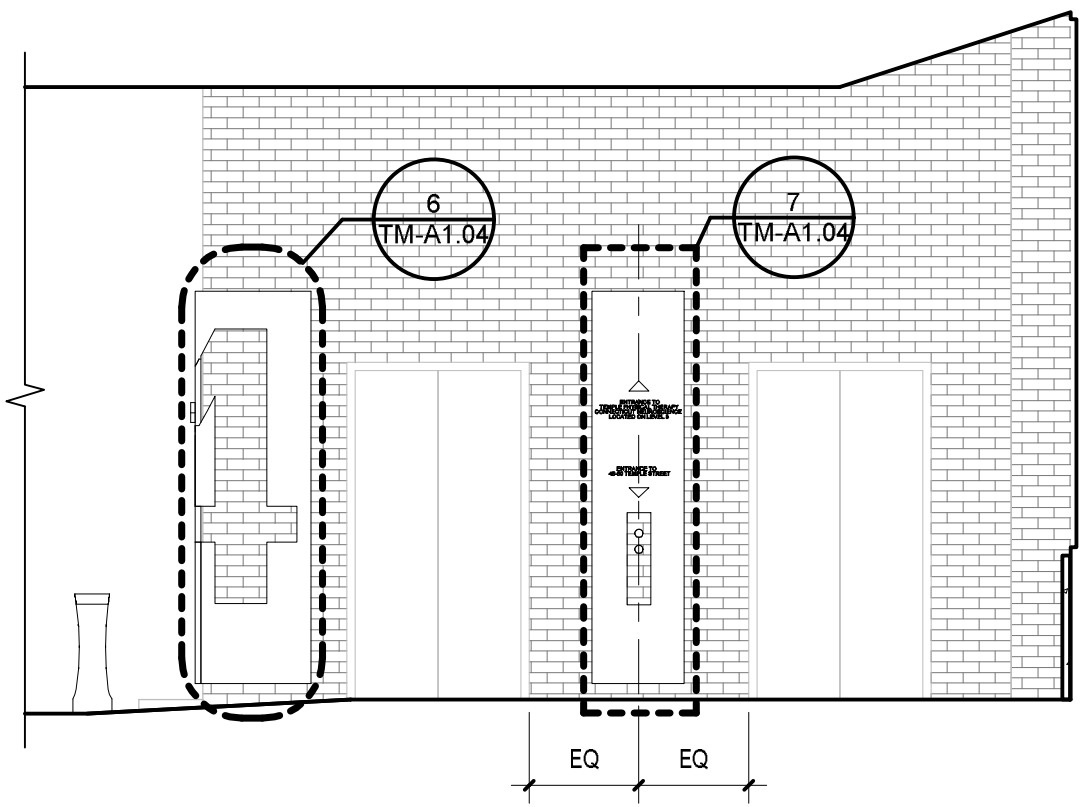
2 LEVEL 4 REFLECTED CEILING PLAN  
TM-A1.04 1/4" = 1'-0"



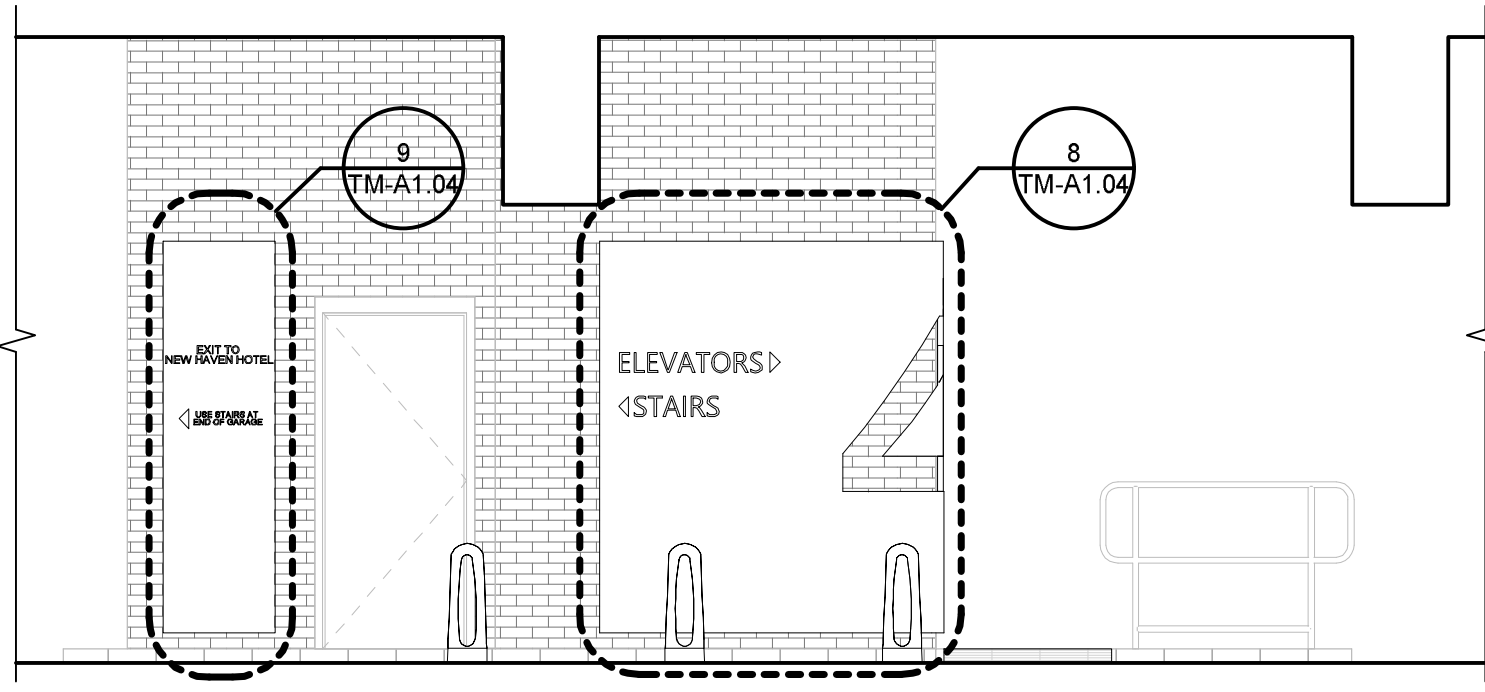
1 LEVEL 4 FLOOR PLAN  
TM-A1.04 1/4" = 1'-0"



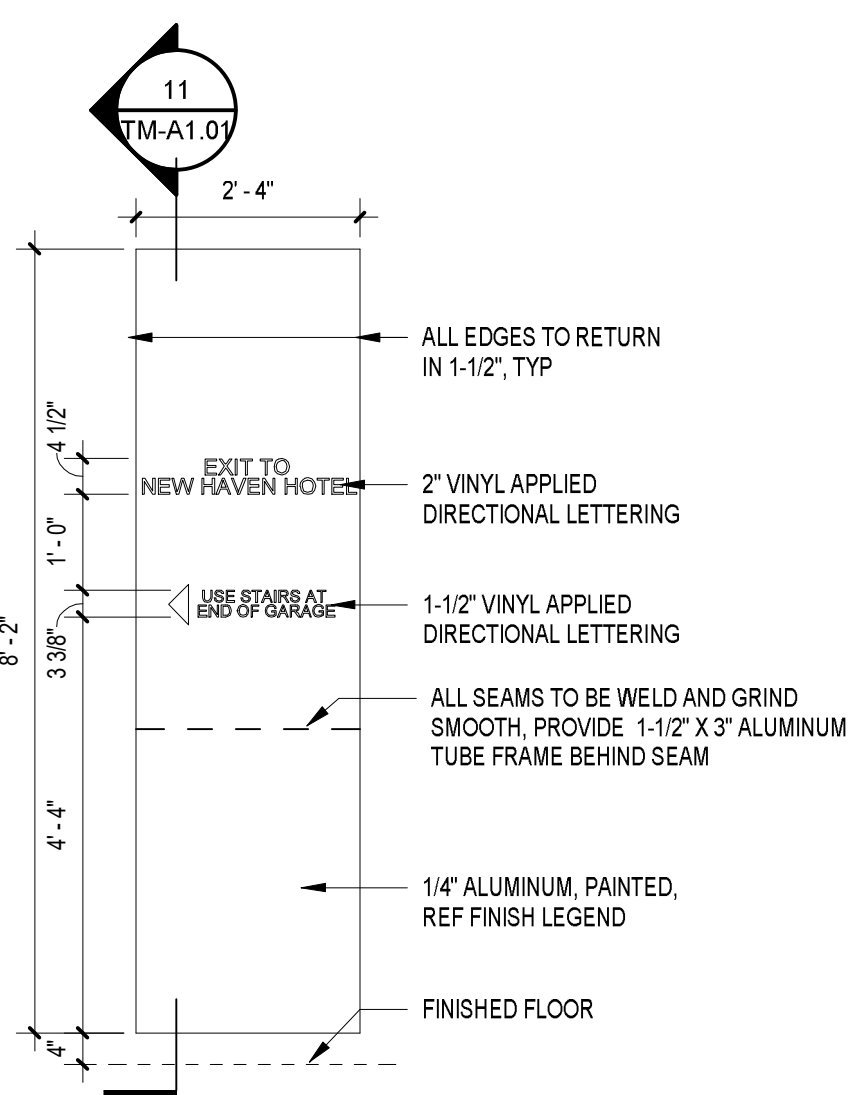
5 LEVEL 4 NORTH A ELEVATION  
TM-A1.04 1/4" = 1'-0"



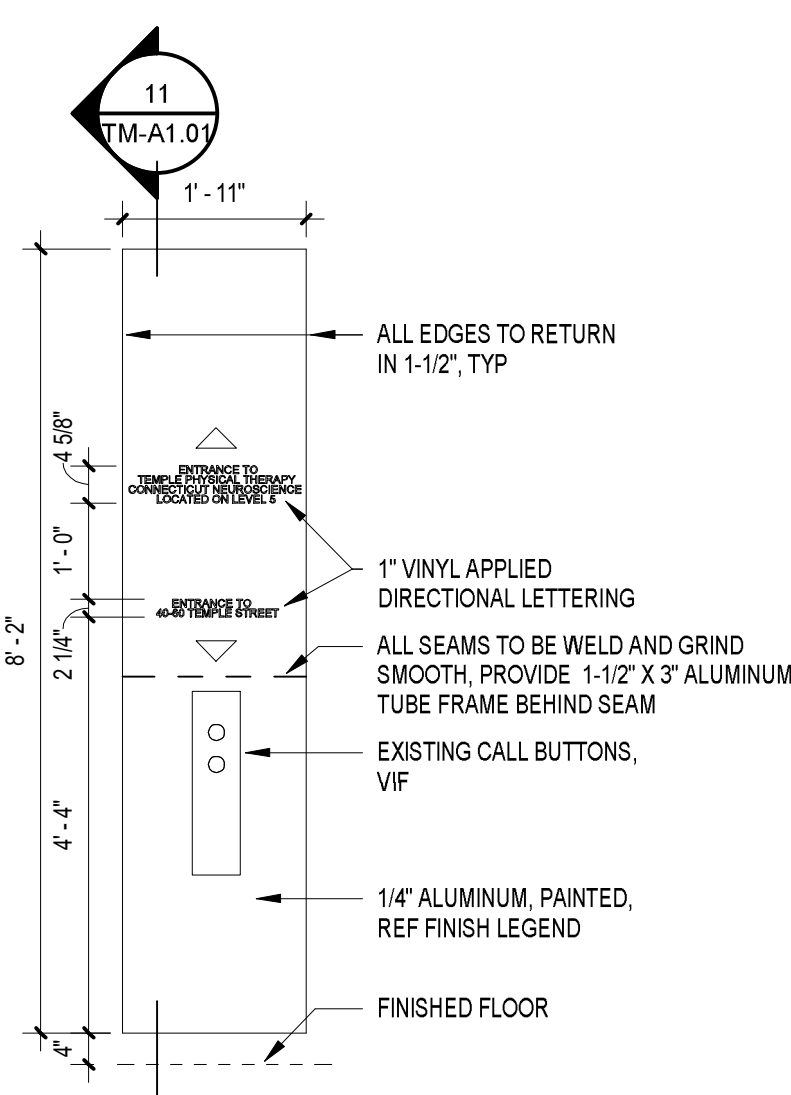
4 LEVEL 4 WEST ELEVATION  
TM-A1.04 1/4" = 1'-0"



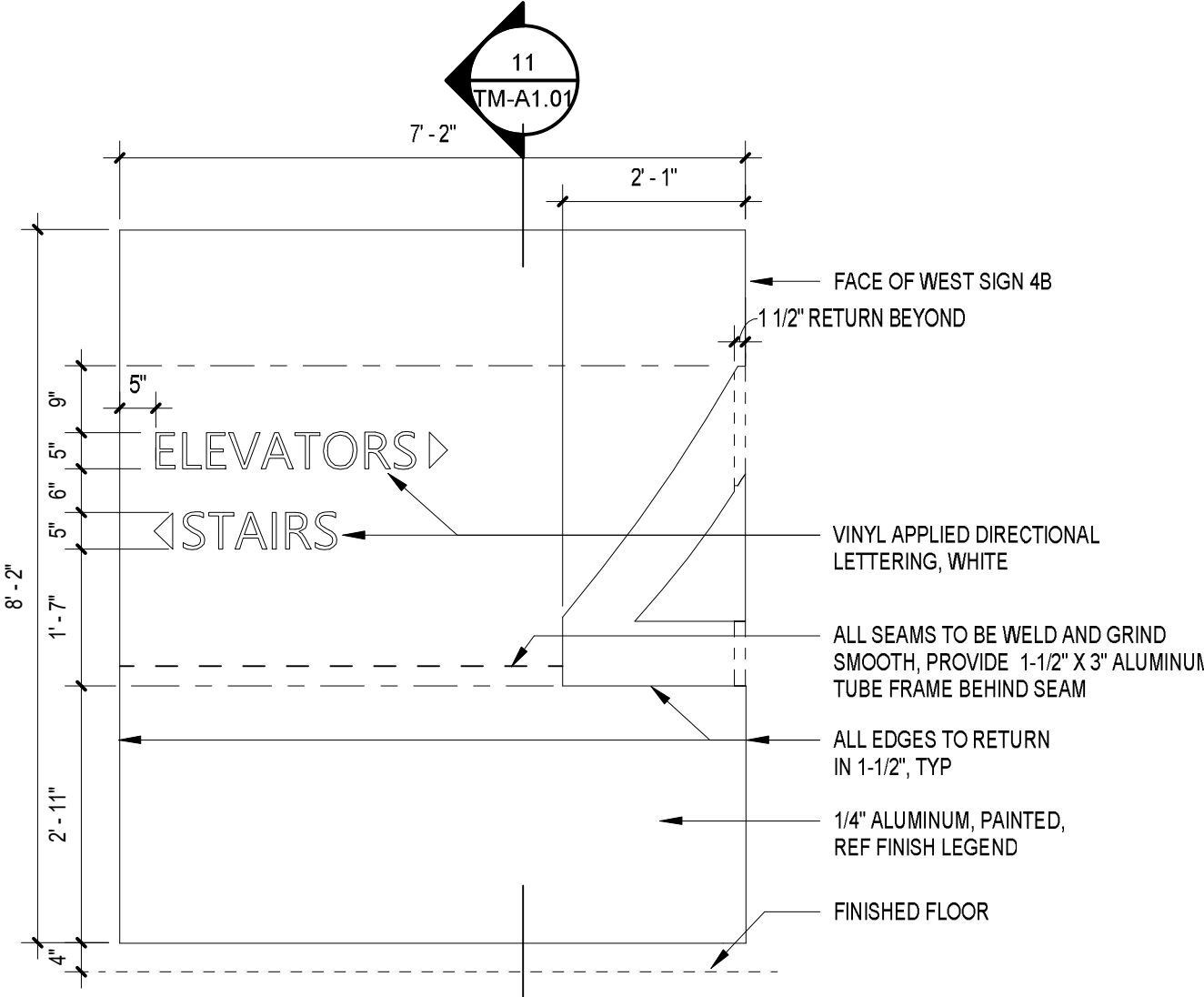
3 LEVEL 4 NORTH ELEVATION  
TM-A1.04 1/4" = 1'-0"



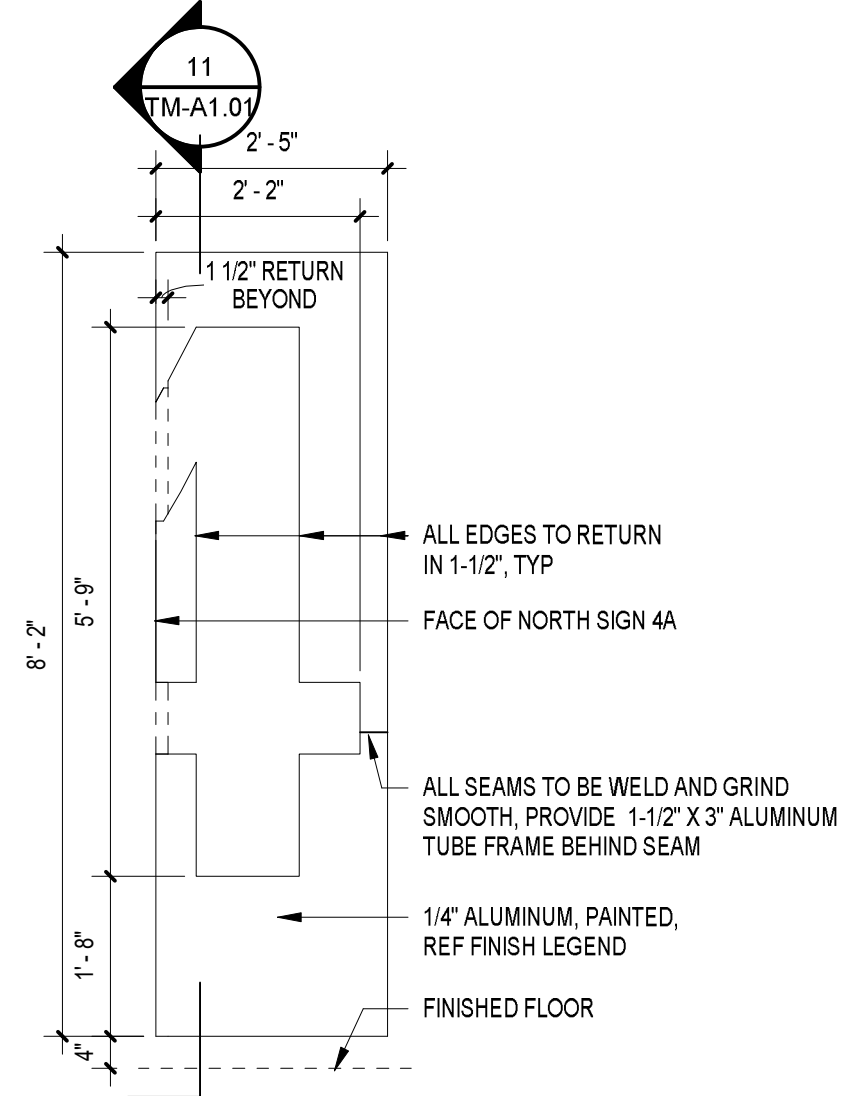
9 SIGN 4D DETAIL  
TM-A1.04 1/2" = 1'-0"



7 SIGN 4C DETAIL  
TM-A1.04 1/2" = 1'-0"



8 SIGN 4A DETAIL  
TM-A1.04 1/2" = 1'-0"



6 SIGN 4B DETAIL  
TM-A1.04 1/2" = 1'-0"

ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES  
NEW HAVEN, CT

NO.	DATE	BY
1	2020.07.01	CH/KD

DRAWING NO.

TM-A1.04

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

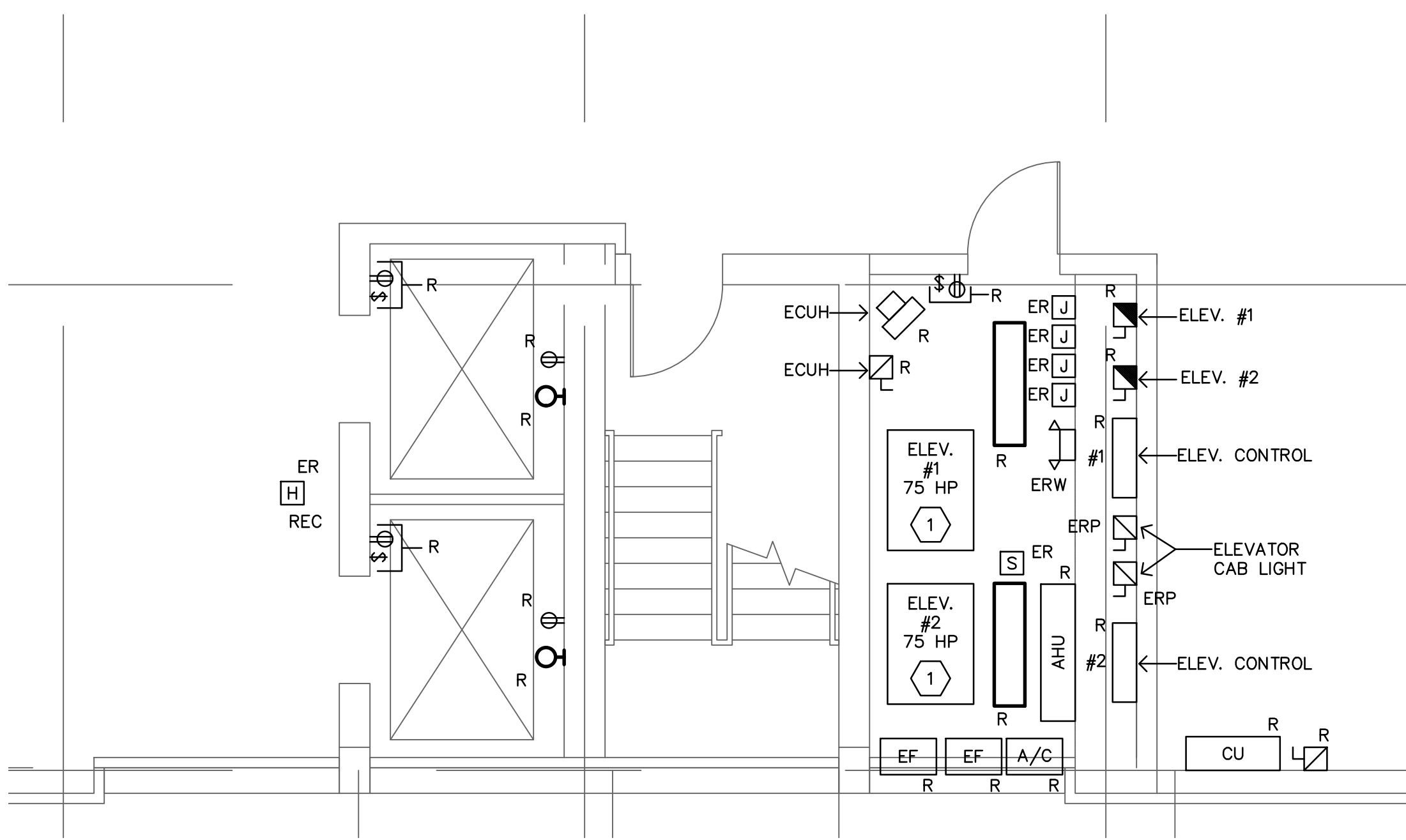
DATE: JULY 2025

NO. 21-011

DESIGN K.D.S. DRAWN K.D.S. CH/KD. K.D.S.

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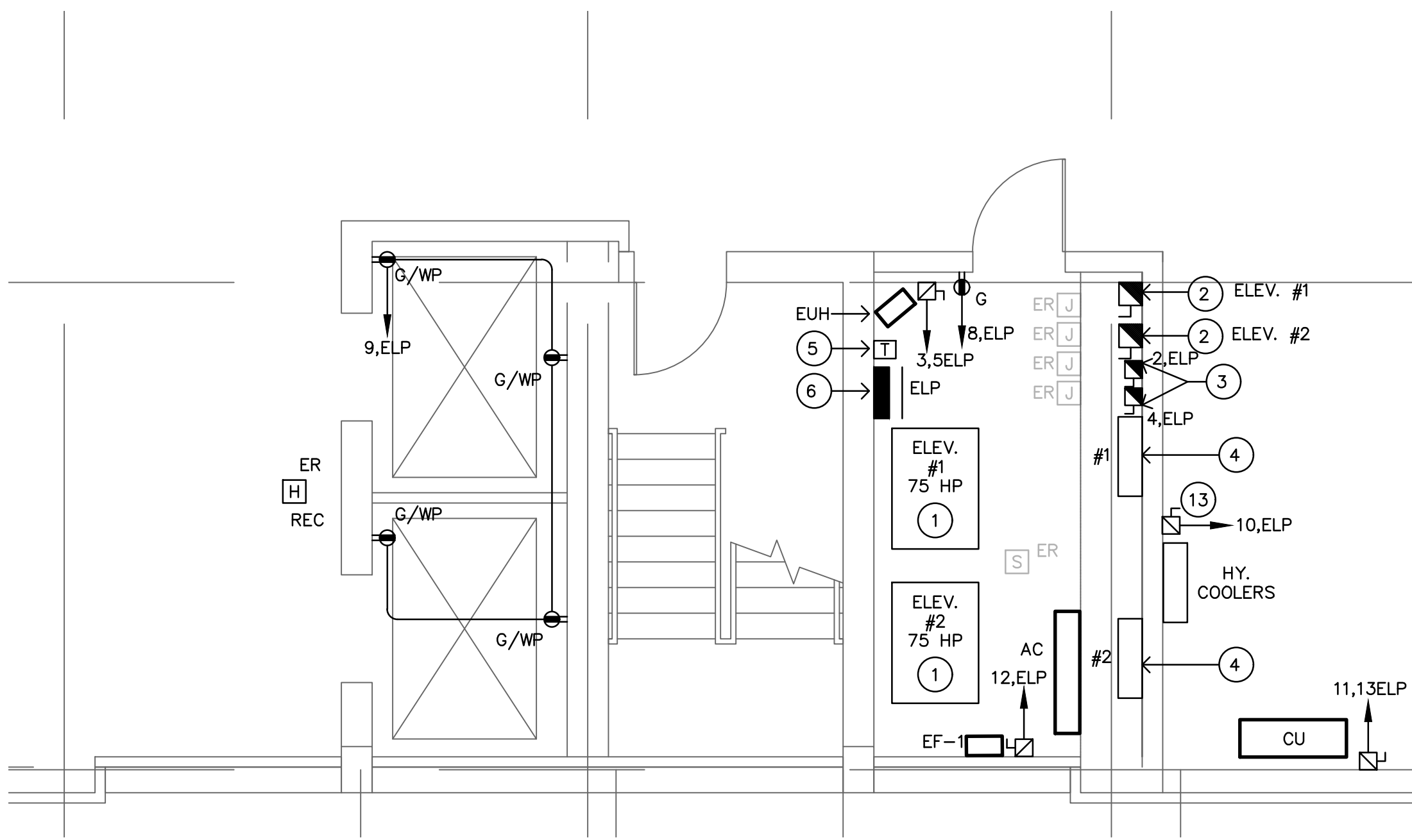




ELEVATOR MACHINE ROOM AND BASEMENT LEVEL  
ELECTRICAL DEMOLITION

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

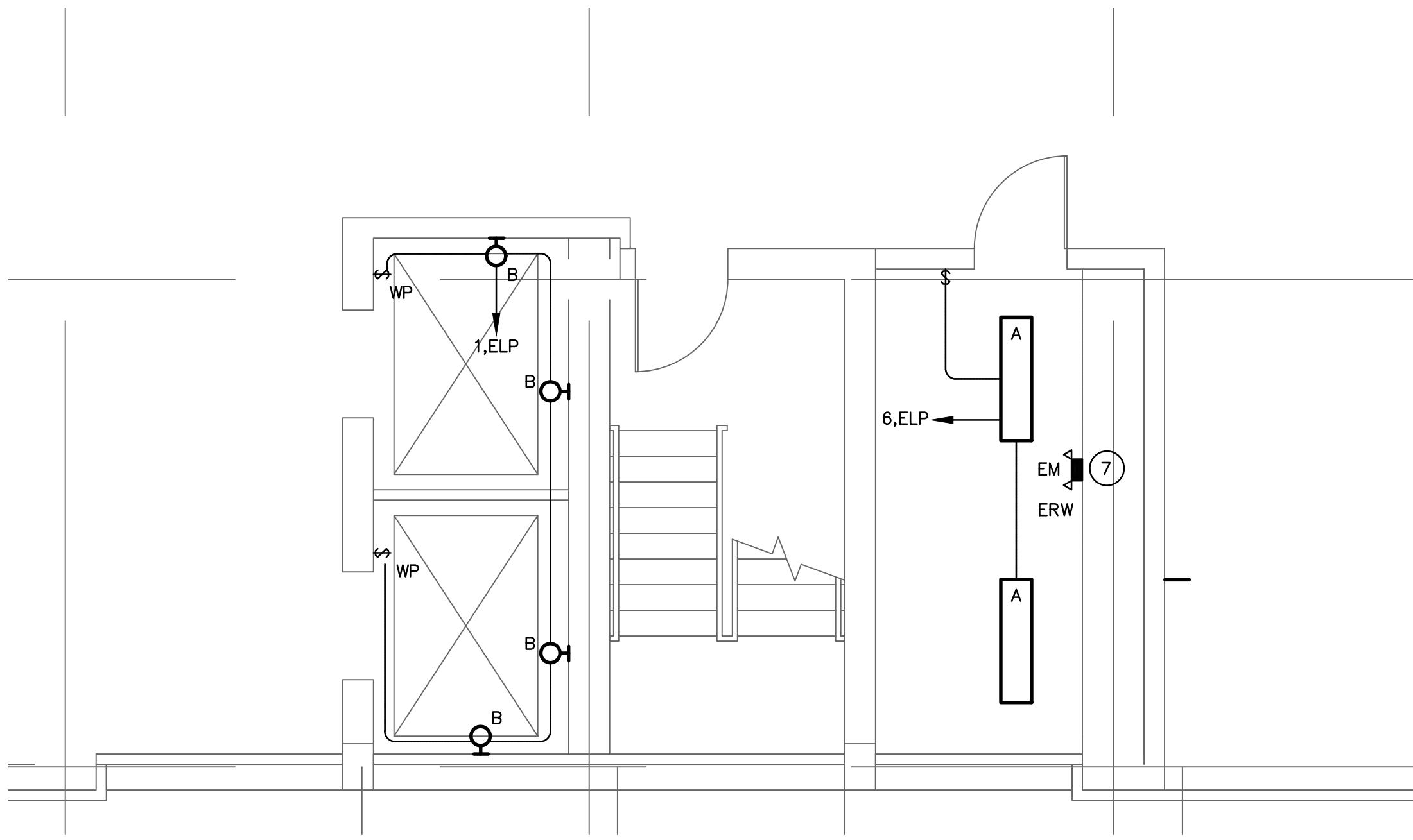
1  
TM-E-1



ELEVATOR MACHINE ROOM AND BASEMENT LEVEL  
ELECTRICAL POWER NEW WORK

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

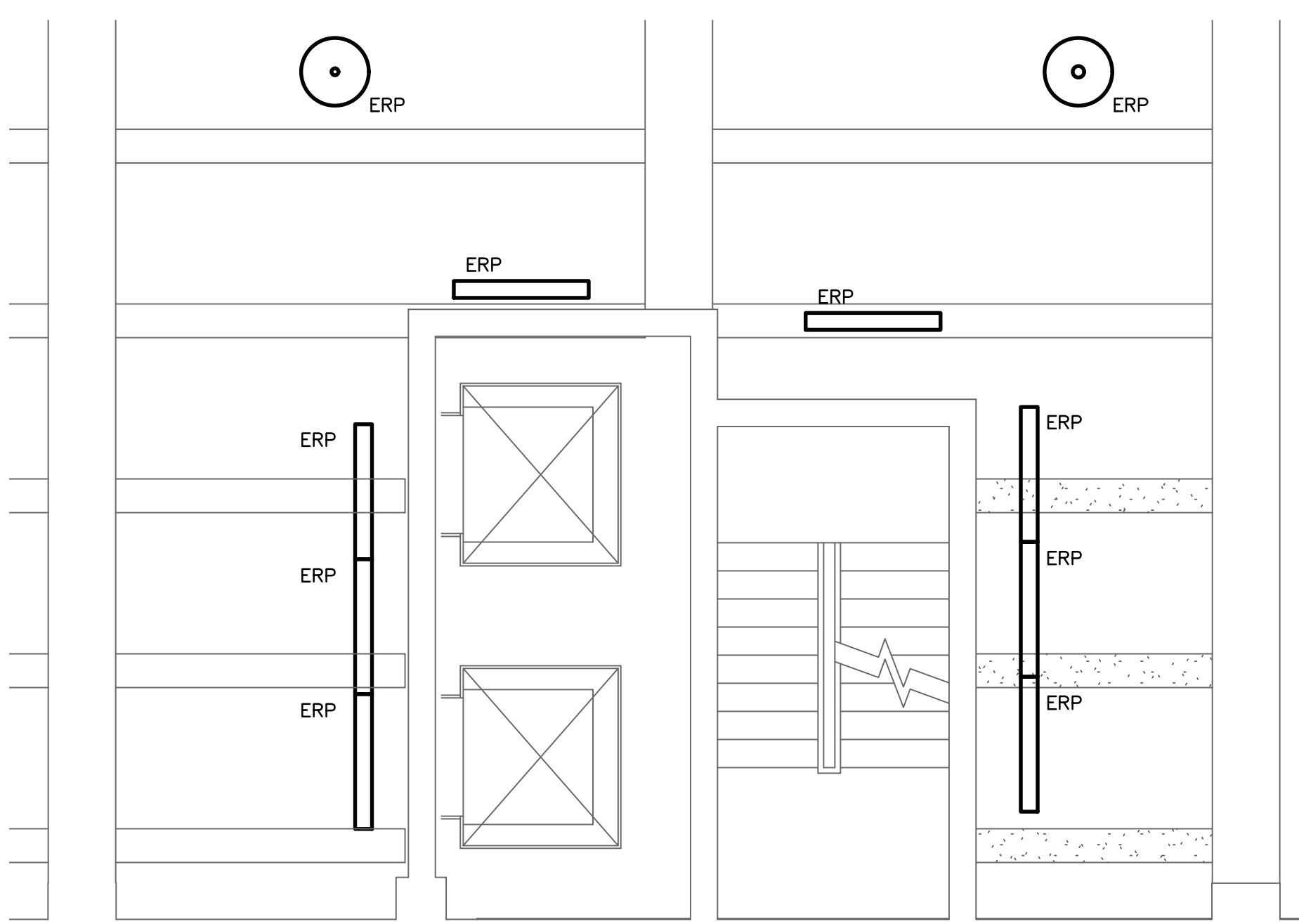
2  
TM-E-1



ELEVATOR MACHINE ROOM AND  
BASEMENT LEVEL ELECTRICAL LIGHTING NEW WORK

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

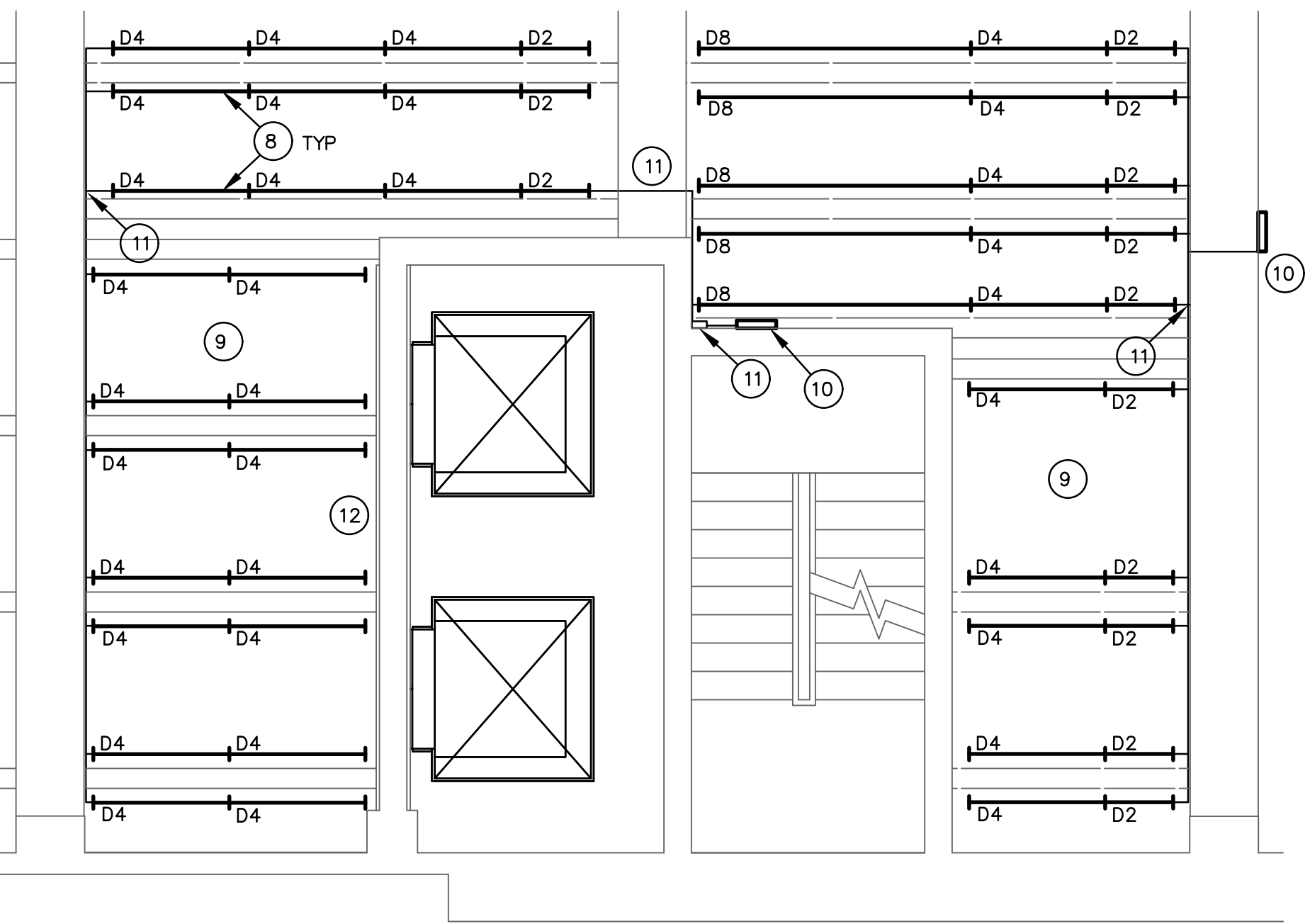
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TM-E-1



ELEVATOR LOBBY LIGHTING TYPICAL  
1 THRU 3RD LEVEL - DEMOLITION

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

4  
TM-E-1



ELEVATOR LOBBY LIGHTING TYPICAL  
1 THRU 3TH LEVEL - NEW WORK

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

5  
TM-E-1

## DEMOLITION KEY NOTES

- APPROXIMATE LOCATION OF EXISTING ELEVATOR MOTOR TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO DISCONNECT SERVING ELEVATOR..

## DEMOLITION ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- ERP EXISTING UNIT/DEVICE AND ASSOCIATED ACCESSORIES TO BE REPLACED AT NEW LOCATION. EXTEND ASSOCIATED WIRING AND CONDUIT TO NEW LOCATION. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- ERW EXISTING UNIT/DEVICE TO BE REPLACED AT SAME LOCATION. CONTRACTOR TO RETAIN ASSOCIATED WIRING AND CONDUIT TO SUIT NEW. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- R EXISTING TO BE REMOVED. CONTRACTOR TO REMOVE ASSOCIATED DEVICES, WIRING AND CONDUIT BACK TO SOURCE

## DEMOLITION GENERAL NOTES

- UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
- NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND/OR ABANDONED SHALL REMAIN.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
- ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNER'S OCCUPANCY REQUIREMENTS.
- ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
- THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
- ELECTRICAL COMPONENTS SHOWN ON THE DEMOLITION DRAWINGS, AND THE ASSOCIATED CONDUIT, WIRE & BOXES ARE TO BE REMOVED AND DISPOSED OF UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL MATERIALS BEING REMOVED SHALL BE HANDLED IN A MANNER COMPLYING WITH ALL PERTINENT LAWS, CODES AND ENVIRONMENTAL REGULATIONS.
- ALL REMOVED COMPONENTS SHALL BE LEGALLY DISPOSED OF BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHERE EXISTING DEVICES ARE REMOVED & NO NEW DEVICES ARE INSTALLED IN THE SAME LOCATION, REMOVE ALL WIRING FROM BOX & PROVIDE PROPERLY SIZED BLANK COVER PLATE.
- WHERE ELECTRICAL EQUIPMENT & DEVICES ARE BEING REMOVED, COORDINATE AND FIELD VERIFY IF BRANCH CIRCUIT FEEDS THROUGH TO EQUIPMENT/DEVICES TO REMAIN. BRANCH CIRCUITS SHALL BE SPLICED OR RELOCATED TO MAINTAIN CONTINUATION OF SERVICES.

## DRAWING GENERAL NOTES

- ONLY LINE VOLTAGE WIRING RATED FOR 120V SERVING ELEVATOR DEVICES CAN BE INSTALLED WITHIN ELEVATOR HOISTWAY.
- PROVIDE SHUNT-TRIP BREAKER FOR ALL CIRCUIT BREAKER SERVING ELEVATOR WITH SPRINKLER HEAD IN THE ELEVATOR HOISTWAY.
- ELECTRICAL CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING CONSTRUCTION TO PROTECT MATERIALS AND EQUIPMENT. ANY & ALL DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PANEL DIRECTORIES AFFECTED BY RENOVATION SHALL BE UPDATED WITH NEW CIRCUIT BREAKER DESIGNATION.
- ALL CIRCUIT BREAKERS SERVING ELEVATOR SHALL BE PROVIDED WITH LOCK TAB.
- DESIGN WAS DEVELOPED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED IN ELECTRICAL PANELBOARD DIRECTORY. CONDUITS AND FEEDERS COULD NOT BE TRACED. CONTRACTOR MUST TRACE ELEVATOR FEEDERS AND NOTIFY ENGINEER OF ANY DISCREPANCY WITH DRAWINGS PRIOR STARTING PROJECT.

## NEW WORK KEY NOTES

- NEW ELEVATOR MACHINE WITH MOTOR TO BE PROVIDED BY ELEVATOR INSTALLER. CONTRACTOR TO WIRE MOTOR RATED FOR 75 HP TO CORRESPONDING ELEVATOR DISCONNECT.
- PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 200AMP-3P WITH 125AMP FUSE, 480V-3PHASE TO SUIT ELEVATOR . DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. PROVIDE AUXILIARY CONTACT WITHIN DISCONNECT TO BE INTERCONNECTED WITH ELEVATOR CONTROLLERS. INTERCONNECT DISCONNECT WITH ELEVATOR MOTOR AND EXISTING FEEDER. PROVIDE 125A-3P CIRCUIT BREAKER, 2" C, 4" I IN EXISTING PANEL IF EXISTING FEEDER AND BREAKER IS NOT COMPATIBLE WITH NEW CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- PROPOSED NEW LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 30A, 120V-1 PHASE TO SUIT CAB LIGHTING AND VENTILATION. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. INTERCONNECT WITH CAB LIGHTING, VENTILATION AND EXISTING BRANCH CIRCUIT. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- NEW ELEVATOR CONTROLLER TO BE PROVIDED AND INSTALLED BY ELEVATOR INSTALLER . CONTRACTOR TO INTERCONNECT UNIT WITH CORRESPONDING ELEVATOR DISCONNECT AND PROVIDE ASSOCIATED WIRING AND CONDUIT.
- PROPOSED LOCATION FOR NEW WALL MOUNT STEP-DOWN TRANSFORMER RATER FOR 15KVA, 480-120/240-1PH. MOUNT AND WIRE AS PER MANUFACTURER REQUIREMENTS.
- PROPOSED LOCATION FOR NEW ELECTRICAL PANEL RATED FOR 60A, 120/240V-1PH. REFER TO PANELBOARD SCHEDULE AND ONE-LINE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCHING DEVICE.
- SURFACE LED STRIP LINEAR FIXTURE TO BE MOUNTED ALONG EACH SIDE OF STRUCTURE/BEAM. RECONNECT TO EXISTING LOCAL SWITCHING LIGHTING AND BRANCH CIRCUIT. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- ALL CONDUITS WITHIN THIS AREA SHALL BE CONCEALED AND NEATLY INSTALLED. ADJUST ROUTING AS REQUIRED TO CONCEALED CONDUITS. REFER TO DETAIL ON TM-E-2 FOR TYPICAL CONNECTION TO LINEAR FIXTURES. ALSO SEE NOTE #11.
- MAINTAIN CIRCUIT CONNECTION TO EXISTING EXIT SIGN.
- LIGHTING CIRCUIT FEEDS OUT OF STAIR AT THIS LOCATION. EXTEND FROM HERE TO THE FIRST ROW OF LINEAR FIXTURES. FEED THROUGH THAT LINE TO THE MAJOR BEAM TO THE EAST AND REFER TO DETAIL ON TM-E-2 FOR TYPICAL CONNECTION. CROSS THE MAJOR BEAM TO THE WEST AND CONNECT TO THE ROW OF LINEAR FIXTURES AT THAT POINT. FEED THRU TO MAJOR BEAM TO THE WEST AND REFER TO THE TYPICAL CONNECTION DETAIL.
- FIRE ALARM PULL STATION AND HORN/STROBE NEAR STAIR DOOR TO REMAIN. CONTRACTOR SHALL REWORK CONDUIT AND WIRE FROM THAT POINT TO THE ELEVATOR RECALL HEAT DETECTOR. PROVIDE NEW CONDUIT ROUTE ATTACHED TO THE BRICK WALL SURFACE.
- PROVIDE 120V, 20A DEDICATED BRANCH CIRCUIT AND NEMA 3R DISCONNECT FOR HYDRAULIC COOLERS FURNISHED WITH ELEVATOR.

## NEW WORK ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- REW REPLACED EXISTING UNIT/DEVICE AT SAME LOCATION. RECONNECT TO EXISTING WIRING AND CONDUIT.

## PANEL ELP

RATINGS: 60A MCB  
22,000 AIC  
SERVICE: 120/240V, 1 PH/4-WIRE

LOCATION: MACHINE ROOM  
MOUNTING: SURFACE

DESCRIPTION	NOTE	AMPS	TRIP AMP	POLE	CKT. TYP.	CKT. NO.	A	B	CKT. NO.	CKT. TYP.	POLE	TRIP AMP	AMPS	NOTE	DESCRIPTION
PIT LIGHTING		6	20	1	A	1	+	+	2	A	1	20	2		CAR 1 LIGHT
EUH		36	45	2	B	3	+	+	4	A	1	20	2		CAR 2 LIGHT
		36				5	+	+	6	A	1	20	2.5		E.M.R. LIGHTING
INTAKE LOUVER		2	20	1	A	7	+	+	8	A	1	20	1.5		E.M.R. RECEPTACLE
PIT RECEPTACLES		2	20	1	-	9	+	+	10	A	1	20	3		HYDRAULIC COOLERS
CU/AC		16	25	2	B	11	+	+	12	A	1	20	5		EF-1
		16				13	+	+	14	-	1	20	0		SPARE
SPARE		0	20	1	-	15	+	+	16	-	1	20	0		SPARE
SPACE		0	-	1	-	17	+	+	18	-	1	-	0		SPACE
SPACE		0	-	1	-	19	+	+	20	-	1	-	0		SPACE
SPACE		0	-	1	-	21	+	+	22	-	1	-	0		SPACE
SPACE		0	-	1	-	23	+	+	24	-	1	-	0		SPACE

### NOTES:

- PROVIDE CB LOCK.
- UPGRADE WIRE SIZE AS REQUIRED TO MAINTAIN 3% MAXIMUM VOLTAGE DROP.
- TOTAL CONNECTED LOAD: PHASE A - 87.9 KVA BASED ON 44 AMPS/PHASE  
PHASE B - 43.9 KVA BASED ON 44 AMPS/PHASE
- CIRCUIT TYPE A: 120V, 3 WIRE IN CONDUIT OR MC CABLE.
- CIRCUIT TYPE B: 240V, 1Ø, 4 WIRE IN CONDUIT OR MC CABLE.

ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN.

CONNECTICUT

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Design Management

NO. DATE BY  
REVISIONS

DRAWING TITLE  
TEMPLE MEDICAL-  
ELECTRICAL  
PART PLANS

DRAWING NO.  
TM-E-1

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHPA NO. 21-011  
DESIGN J.R.P. DRAWN J.R.P. CHECKED R.R.B.

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LIGHTING FIXTURE SCHEDULE									
DESIGNATION	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	LAMP			ELECTRICAL			NOTES
			TYPE	COLOR TEMP	NO	DRIVER	VOLTAGE	WATTS	
A	4' LENGTH SURFACE MOUNT LINEAR LED WITH FROSTED ACRYLIC LENS	DAY-BRITE FSI455L840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	45	① ②
B	4' LENGTH SURFACE MOUNT VAPORTIGHT LED WITH DAMAGE RESISTANCE ACRYLIC LENS	DAY-BRITE DWAE45L840-2-UNV-MD360W	LED	4000K	-	ELECTRONIC	UNIVERSAL	25	① ②
D2	2' LENGTH SURFACE MOUNT LED STRIP LUMINAIRE TO BE USE AS COVE LIGHT	DAY-BRITE FSS230L840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	24.6	① ②
D4	4' LENGTH SURFACE MOUNT LED STRIP LUMINAIRE TO BE USE AS COVE LIGHT	DAY-BRITE FSS430L840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	21.8	① ②
EM	TWIN HEAD EMERGENCY WALL PACK	DAY-BRITE CLU2NW	LED	N/A	-	ELECTRONIC	UNIVERSAL	4.4	① ②
NOTES									
① FURNISH WITH ALL REQUIRED MOUNTING HARDWARE AND CONNECTING CABLE.									
② ALL FIXTURES SHALL BE CAPABLE OF OPERATING IN COLD TEMP (0° F).									

ELECTRICAL LEGEND	
	EXISTING PANELBOARD SURFACE MOUNTED RATED FOR 120/208V-3PH.
	ENCLOSED CIRCUIT BREAKER.
	FUSED DISCONNECT SWITCH.
	NON-FUSED DISCONNECT SWITCH.
	DUPLEX RECEPTACLE.
	DUPLEX GROUND FAULT RECEPTACLE MOUNT 48" A.F.F.
	WALL MOUNTED LIGHT FIXTURE.
	LINEAR WALL MOUNTED LIGHT FIXTURE
	SINGLE-POLE SWITCH; MOUNT AT 48" AFF.
	SINGLE POLE THREE WAY SWITCH; MOUNT AT 48" AFF.
	SINGLE-POLE PILOT SWITCH; MOUNT AT 48" AFF.
	SECURITY CAMERA.
	FIRE ALARM ADDRESSABLE RELAY
	FIRE ALARM SHUNT TRIP HEAT DETECTOR.
	FIRE ALARM RECALL SMOKE DETECTOR.
	WALL MOUNTED FIRE ALARM HEAT DETECTOR
	CONDUIT AND WIRE
	CONDUIT AND WIRE, SWITCHED
	BRANCH CIRCUIT HOMERUN.
ABBREVIATION	
G	GROUND FAULT INTERRUPTER
WP	WEATHERPROOF

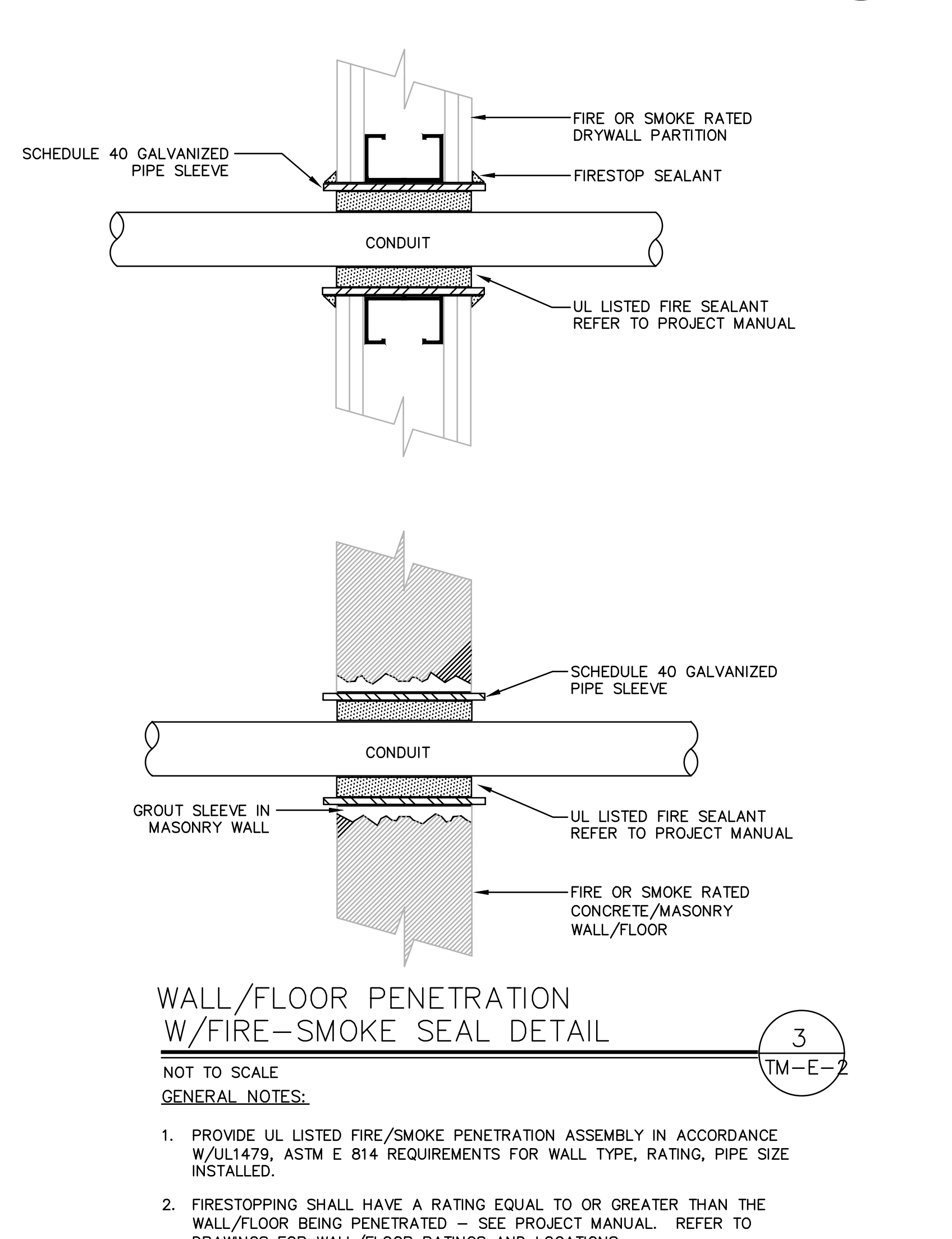
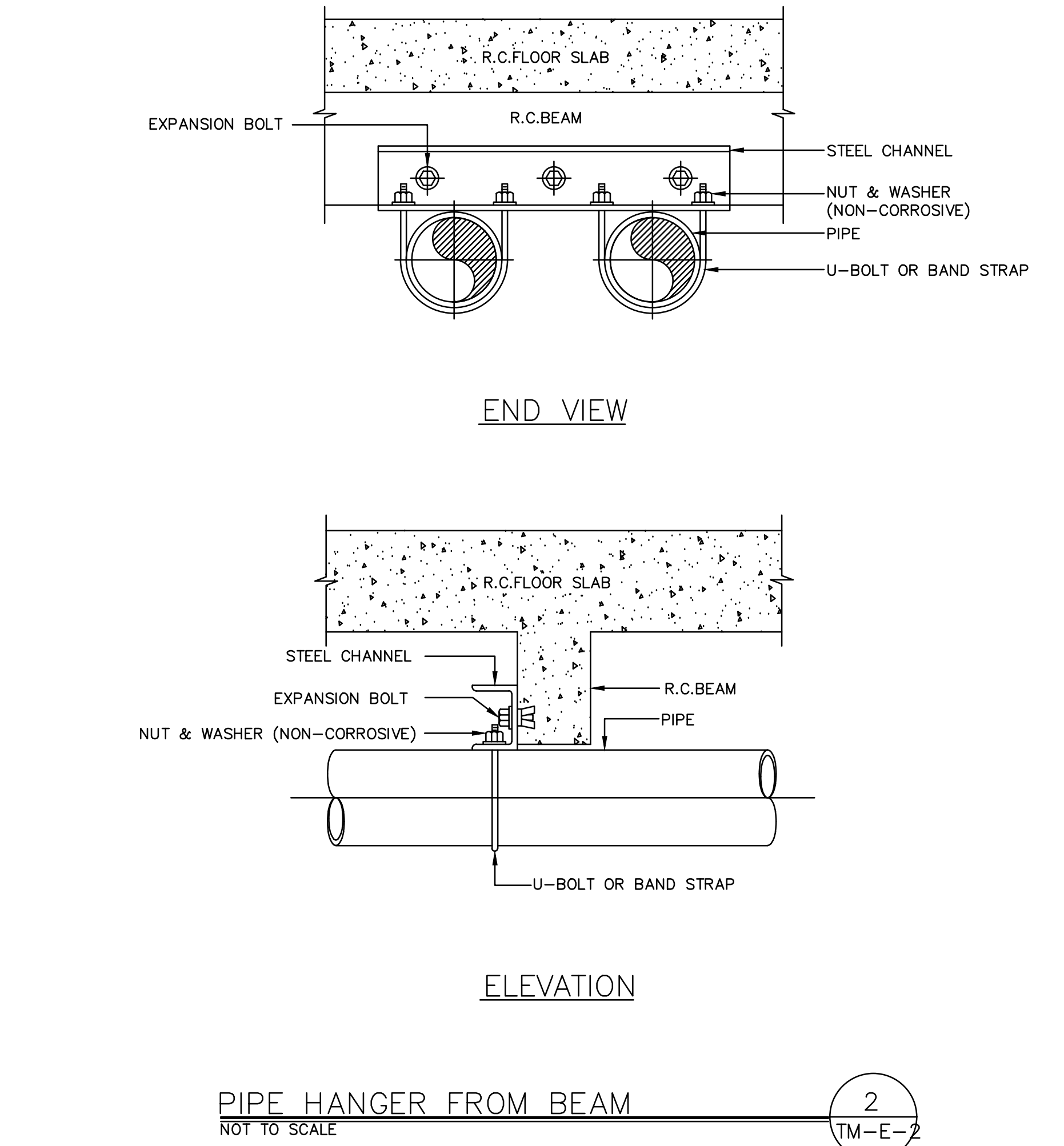
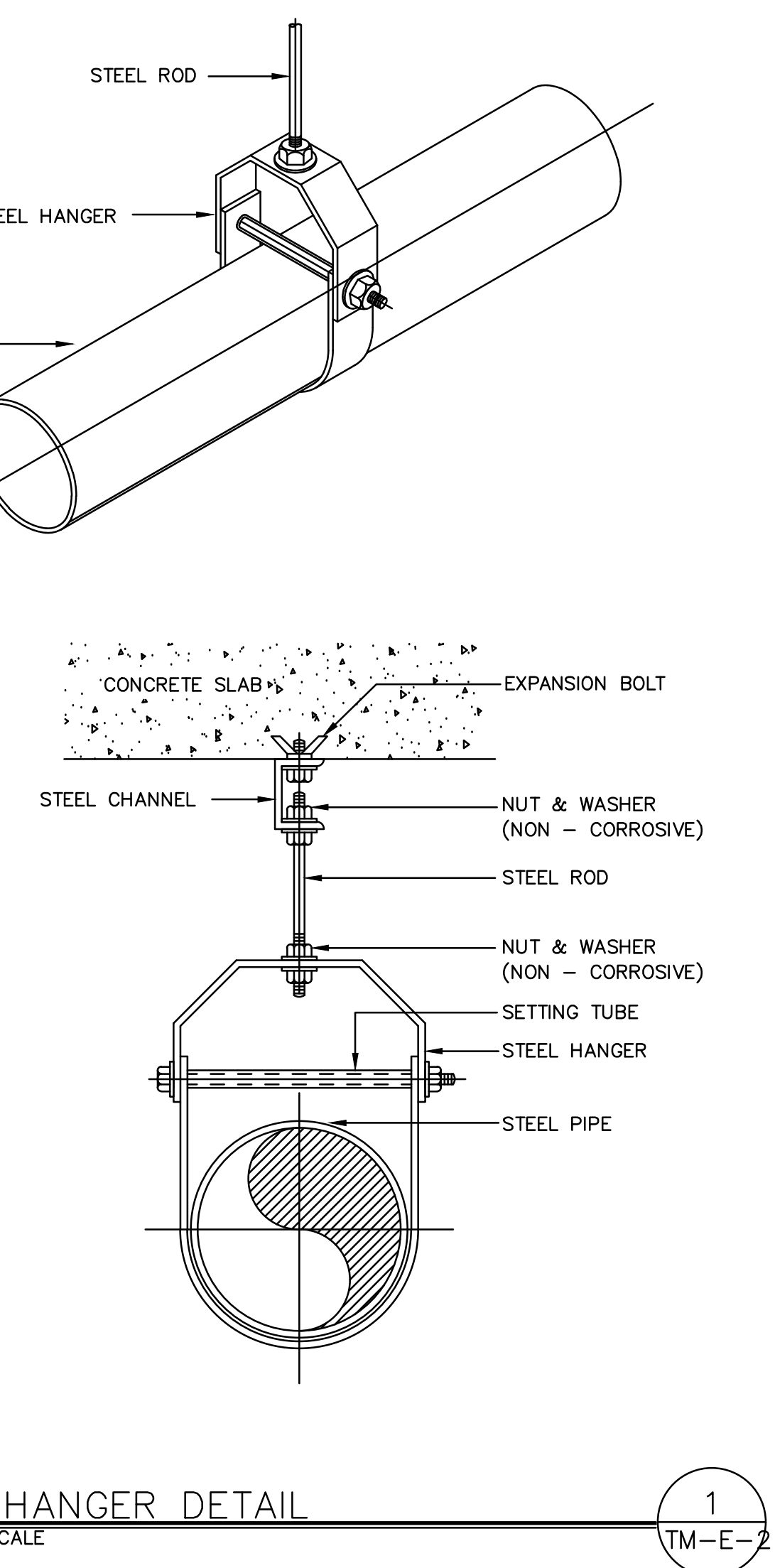
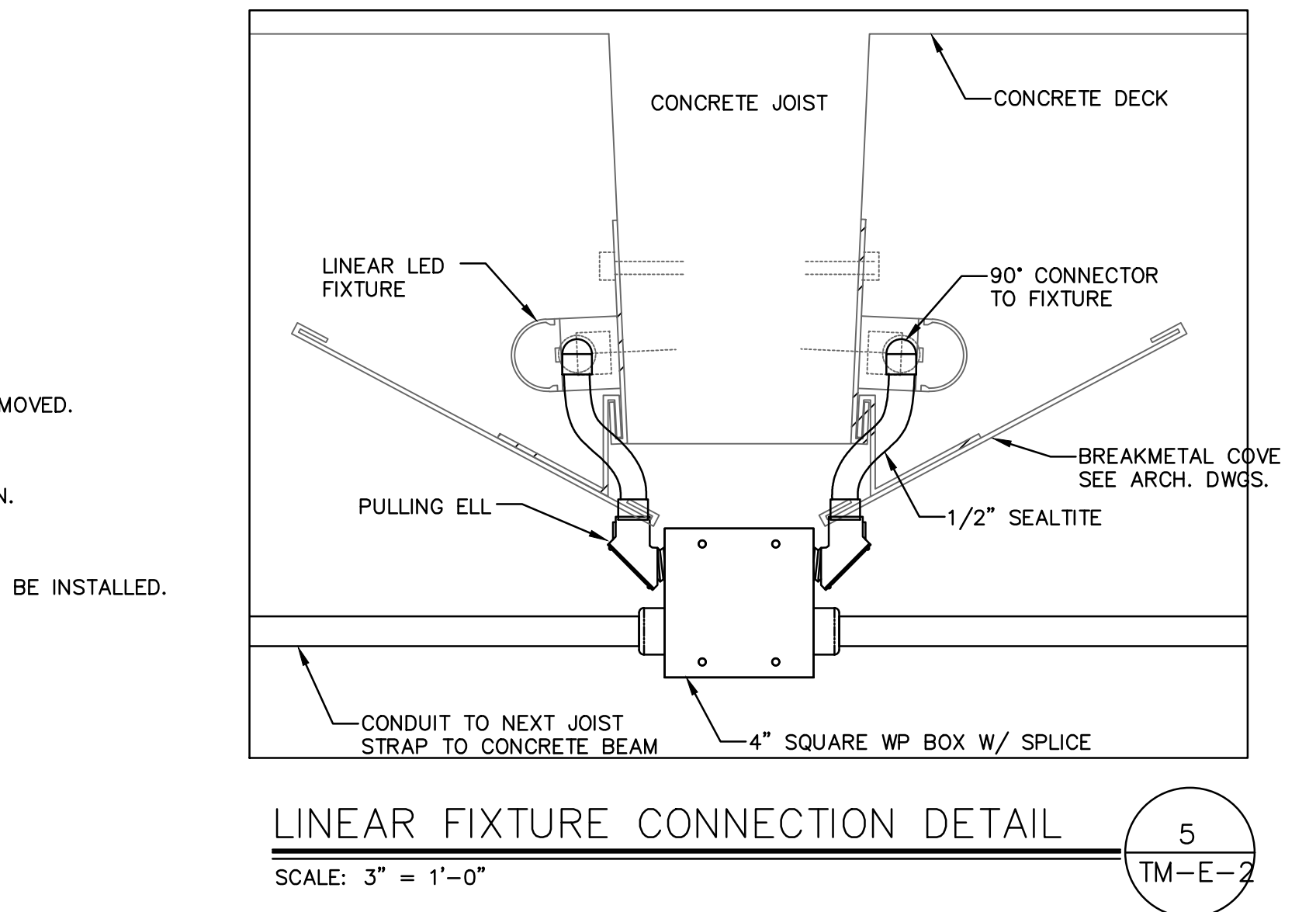
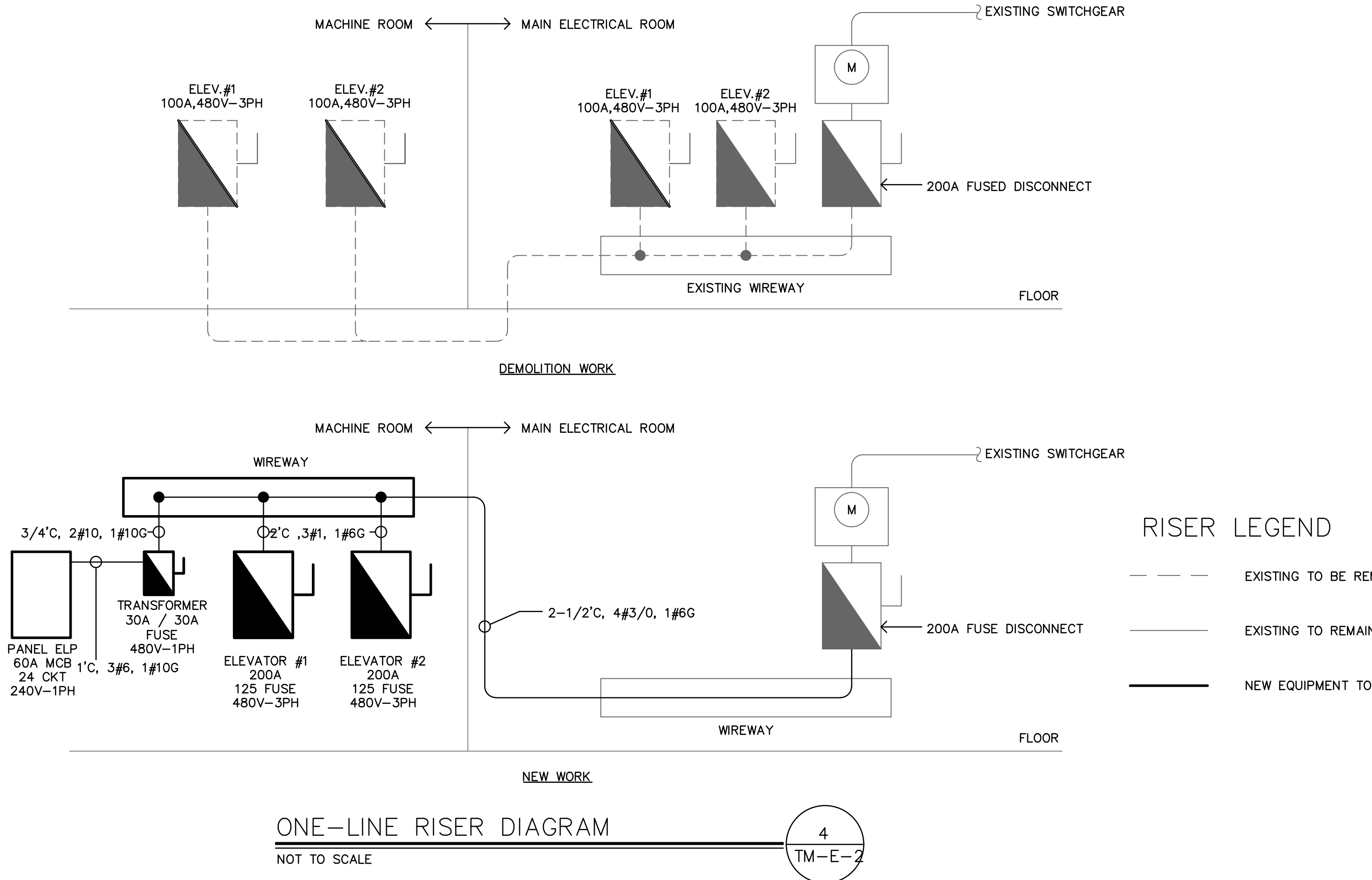
GENERAL NOTES	
1.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NEC AND APPLICABLE LOCAL CODES.
2.	THIS IS AN EXISTING BUILDING. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
3.	THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
4.	DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
5.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
6.	ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND/OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
7.	ELECTRICAL CONTRACTOR SHALL GIVE OWNER SEVEN (7) DAYS ADVANCE NOTICE OF SHUTDOWNS. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
8.	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
9.	ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
10.	THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
11.	THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
12.	ALL THE WIRE SIZES ARE BASED ON COPPER; ALUMINUM IS NOT TO BE USED.
13.	ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
14.	PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER INTERNATIONAL BUILDING CODE.
15.	ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES.
16.	ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
17.	ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER. ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
18.	PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
19.	ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHTING FIXTURES, PANELS, SWITCHES, RECEPTABLES, ETC.
20.	ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
21.	COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ELEVATOR AND MECHANICAL PLANS. MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. VERIFY WITH OWNER.
22.	ELECTRICAL CONTRACTOR TO COORDINATE WITH ELEVATOR INSTALLER AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT FOR ELECTRICAL WORK.
23.	ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
24.	SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
25.	THE DISPOSAL OF ALL UNUSED EXISTING ELECTRICAL EQUIPMENT REMOVED IS A PART OF THE SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL SUCH EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS, CURRENT ISSUE.
26.	SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
27.	PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT IN ABSENT OF SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
28.	ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO (2), THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
29.	FOR ALL GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTACLE FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, FUSED, WEATHER PROOF (WP) DEVICES.
30.	NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
31.	FURNISH & INSTALL GFCI RECEPTABLES IN ALL WET LOCATIONS.
32.	PROVIDE PULL STRINGS IN ALL EMPTY RACEWAYS.
33.	CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
34.	MINIMUM CONDUCTOR SIZE, UNLESS OTHERWISE NOTED SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 100 FEET, #10; OVER 150 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
35.	ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION, ETC. TO INSURE COMPATIBILITY OF EQUIPMENT.
36.	NO PENETRATIONS ARE ALLOWED INTO STAIR ENCLOSURES EXCEPT AS REQUIRED FOR SERVICES UTILIZED IN THE STAIR.
37.	REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
38.	ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH BASE BUILDING ELECTRICIAN.
39.	PRODUCTS SHALL NOT BE INSTALLED IN PROMINENT LOCATIONS UNLESS NO ALTERNATIVE EXISTS. ITEMS SHALL BE CENTERED ON WALL OR CEILING TREATMENT AND ON ONE ANOTHER AS APPLICABLE. THIS INCLUDES BUT IS NOT LIMITED TO ACCESS PANELS, LIGHTING FIXTURES, SWITCHES, THERMOSTATS, FIRE ALARM DEVICES, EXIT SIGNS, ELECTRICAL PANELS, AND ANNUNCIATOR PANELS OF ANY KIND.
40.	ELECTRICAL CONDUITS & BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE.
41.	INSTALLATIONS ON EXISTING WALLS SHALL BE RUN WITH SURFACE RACEWAY PAINTED TO MATCH WALL FINISH AND SURFACE BOXES. USE METAL WIREMOLD FOR INSTALLATIONS WITHIN OCCUPIED AREAS.
42.	POWER RECEPTABLES COVER PLATES SHALL BE LABELED WITH DESIGNATED PANEL AND CIRCUIT NUMBER SERVING UNIT.

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ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES  
NEW HAVEN, CONNECTICUT

NO.	DATE	BY	REVISIONS					
DRAWING TITLE TEMPLE MEDICAL- ELECTRICAL LEGEND, DETAIL AND GEN. NOTES								
DRAWING NO. TM-E-2								
SCALE: AS NOTED								
DATE: JULY 2025								
PROJECT NO. 20-20176.00-2								
NHPA NO. 21-011								
DESIGN J.R.P.	DRAWN J.R.P.	CHK'D. R.R.B.						
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- GENERAL NOTES:
- PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/UL1479, ASTM E 814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.
  - FIRESTOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL/FLOOR BEING PENETRATED - SEE PROJECT MANUAL. REFER TO DRAWINGS FOR WALL/FLOOR RATINGS AND LOCATIONS.



TEMPLE MEDICAL GARAGE  
EMR DEMOLITION PLAN

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





1  
TM-M-1

TEMPLE MEDICAL GARAGE  
EMR MECHANICAL PLAN

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

2  
TM-M-1

### DEMOLITION LEGEND

SYMBOL	DESCRIPTION
 OR 	EXISTING EQUIPMENT TO BE REMOVED
 OR 	EXISTING PIPING TO BE REMOVED

### PLAN DEMOLITION NOTES

1. EXISTING DUCTLESS SPLIT SYSTEM TO BE REPLACED  
DISCONNECT AND REMOVE EXISTING DUCTLESS SPLIT  
SYSTEM. DISCONNECT AND REMOVE EXISTING  
REFRIGERATION PIPING OF REFRIGERATION  
RECOVER EXISTING REFRIGERANT IN THE SYSTEM  
PRIOR TO DISCONNECTION. DISPOSE RECOVERED  
REFRIGERANT IN ACCORDANCE WITH THE EPA  
REQUIREMENTS.
2. EXISTING CONDENSATE DRAIN TUBING FROM UNIT TO  
EXISTING COPPER CONDENSATE DRAIN PIPING TO BE  
REMOVED.
3. EXISTING REFRIGERATION PIPING AND INSULATION TO  
BE REMOVED AND REPLACED.
4. EXISTING ELECTRIC UNIT HEATER TO BE REPLACED.  
DISCONNECT AND REMOVE EXISTING ELECTRIC UNIT  
HEATER. EXISTING WALL BRACKET TO REMAIN.
5. EXISTING WALL MOUNTED THERMOSTAT TO BE  
REPLACED.
6. EXISTING WALL MOUNTED WIRELESS DUCTLESS SPLIT  
SYSTEM CONTROLLER TO BE REMOVED.
7. EXISTING WALL MOUNTED AIR CONDITIONER TO BE  
REMOVED. EXISTING OPENING TO BE REUSED.
8. EXISTING WALL MOUNTED AIR CONDITIONER TO BE  
REMOVED. EXISTING OPENING TO BE REUSED.













## CONSTRUCTION NOTES

NUMBERED NOTES ARE APPLICABLE TO DRAWING SHEET ONLY

- ① DUCTLESS SPLIT WALL MOUNTED DOOR UNIT. PROVIDE WITH WALL BRACKET. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.
- ② SIDEWALL MOUNTED CONDENSING UNIT. PROVIDE WITH MOUNTING BRACKET. LOCATE UNIT ON THE NEW COORDINATE UNIT SIZE AND WEIGHT. COORDINATE HEIGHT OF MOUNTING BRACKET IN FIELD. INSTALL IN ACCORDANCE WITH MANUFACTURER'S CLEARANCE REQUIREMENTS.
- ③ CONDENSATE DRAIN PIPING CONNECT TO EXISTING COPPER CONDENSATE DRAIN CONTRACTOR TO PROVIDE THE REQUIRED PITCH FOR GRAVITY DRAIN CONNECTION. COORDINATE IN FIELD.
- ④ INSULATED LIQUID AND GAS REFRIGERATION PIPING FROM DOOR UNIT TO OUTDOOR. PROVIDE INSULATION AND PROTECT WITH RATED WALL PENETRATION. COORDINATE ROUTING IN FIELD.
- ⑤ NEW PROPPELLER EXHAUST FAN PROVIDE WITH WALL HOUSING AND HOUSING EXTENSION. REUSE EXISTING OPENING AND BLANK-OFF REMAINDER OF UNUSED OPENING IN FIELD IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. PROVIDE ANGLE SUPPORT AS REQUIRED. PROVIDE WITH 1/5" MOTORIZED SHUTTER INTERLOCK WITH THE EXHAUST FAN. MOUNT SHUTTER IN COLLAR IN ACCORDANCE WITH THE MANUFACTURER'S CLEARANCE REQUIREMENTS. PROVIDE STATIC FIRE DAMPER, UL 555 CLASSIFIED -1/2" R/F RATINGSINSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- ⑥ NEW 24X14 O.D. DUCTWORK FLUSHED TO THE TO THE FACE OF EXISTING LOUVER. SUPPORT AND SECURE DUCTWORK FROM INSIDE WALL. PROVIDE SILE DUCTWORK WITH 4" AIR GAP. PROVIDE NEWLY MOTORIZED DAMPER AND ACTUATOR. BLANK-OFF REMAINING UNUSED OPENING. COORDINATE EXACT SIZE IN FIELD.
- ⑦ WIRED WALL MOUNTED DUCTLESS SPLIT SYSTEM CONTROLLER. PROVIDE WITH INTERLOCK WIRING.
- ⑧ ELECTRIC UNIT HEATER. PROVIDE WITH NEW WALL BRACKET. LOCATE UNIT HEATER TO CLEAR ELECTRICAL PANEL. COORDINATE IN FIELD.
- ⑨ WALL MOUNTED THERMOSTAT. INTERLOCK WITH ELECTRIC UNIT HEATER.
- ⑩ PROVIDE WITH TEMPERATURE CONTROLLER. LOPEX COOL MODEL VFTC AND VARIFLOW AIR BALANCE KIT (VFAK), OR EQUIVALENT. PROVIDE VFAK WITH 24-VOLT TRANSFORMER. CONTROLLER WILL BE INTERLOCKED WITH THE EXHAUST FAN AND THE O.A. MOTORIZED DAMPER. PROVIDE ALL REQUIRED DEVICES AND INTERLOCK WIRINGS.
- ⑪ WALL MOUNTED REFRIGERANT LEAK DETECTOR MOUNT AT 9' AFF. INTERLOCK WITH THE EXHAUST FAN AND THE ELECTRIC UNIT HEATER. REFER TO 23.09.26 FOR SEQUENCE OF OPERATION.

## SYMBOL | LEGEND

(NOT ALL SYMBOLS ARE USED)

	REFERENCE NUMBER INDICATES NOTE
	EXISTING PIPING OR EQUIPMENT
	EXISTING PIPING OR EQUIPMENT
	FLEXIBLE DUCT CONNECTION
	POINT OF CONNECTION
	TRANSITION
	MOTORIZED DAMPER
	FIRE DAMPER
	FIRE DAMPER WITH ACCESS DOOR
	THERMOSTAT/SENSOR
	PPE ELBOW, TURNED DOWN
	PIPE COUPLING (JOINT)

## ABBREVIATIONS

(NOT ALL SYMBOLS ARE USED)

AC-# INDOOR AIR CONDITIONING UNIT  
AD ACCESS DOOR  
AFF ABOVE FINISHED FLOOR  
CAP CAPACITY  
CFM CUBIC FEET PER MINUTE  
CUH CABINET UNIT HEATER  
DB DRY BULB  
DD DIRECT DRIVE  
EF-# EXHAUST FAN  
  
EAT ENTERING AIR TEMPERATURE  
EER ENERGY EFFICIENCY RATIO  
EMR ELEVATOR MACHINE ROOM  
EUH-# ELECTRIC UNIT HEATER  
  
EX EXISTING  
EXH EXHAUST  
  
F DEGREES FAHRENHEIT  
  
FD FIRE DAMPER  
  
FLA FULL LOAD AMPERES  
  
FT FEET  
  
GC GENERAL CONTRACTOR  
  
HP HORSEPOWER  
HTG HEATING  
IN INCHES  
  
KW KILOWATT  
LAT LEAVING AIR TEMPERATURE  
  
MBH 1000 BTUS  
MCA MINIMUM CIRCUIT AMPACITY  
MD NOTORIZED DAMPER  
MFS MAXIMUM FUSE SIZE  
MIN MINIMUM  
  
OA OUTSIDE AIR  
OAT OUTDOOR AIR TEMPERATURE  
  
PH PHASE  
  
RM ROOM  
  
RPM REVOLUTIONS PER MINUTE  
  
SP STATIC PRESSURE  
SQ FT SQUARE FOOT (AREA)  
SLE SINGLE POLE SWITCH  
W/THERMAL OVERLOAD  
  
SWR SIDE WALL REGISTER  
T THERMOSTAT  
TD TEMPERATURE DIFFERENCE  
TEMP TEMPERATURE  
TOT TOTAL  
TYP TYPICAL  
W/ WITH  
WB WET BULB  
  
WMS WIRE MESH SCREEN  
WT WEIGHT (LBS)

## GENERAL

1. THE INTENT OF THESE CONTRACT DOCUMENTS IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE HVAC SYSTEMS. ALL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS. OPERATIONS SHALL BE ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
2. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMITTING BID REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS INCLUDING ALL EQUIPMENT SCHEDULES FOR MECHANICAL AND ELECTRICAL INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING PRIOR TO SUBMITTING BID.
3. ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO FORM A TOTAL DESIGN PACKAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE WHICH TRADE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.
4. ALL WORK AND ACTION DEPICTED AND DESCRIBED IN CONTRACT DOCUMENTS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
5. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED THEREIN. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED PRIOR TO CONSTRUCTION ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
6. WHEN CONFLICTS OCCUR BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.
8. ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT ARE REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST.
9. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
10. PROVIDE SUPPORT/BRACINGS OF EQUIPMENT AND BUILDING SERVICES AS REQUIRED BY THE BUILDING CODE.
11. REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
12. ALL EQUIPMENT MATERIALS AND RELATED SYSTEMS COMPONENTS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
13. ALL EQUIPMENT PIPING OUTWORK SHALL BE PROVIDED AS DETAILED, SPECIFIED AND REQUIRED TO SUPPORT A VIBRATION FREE INSTALLATION.
14. CONTRACTOR SHALL PROVIDE ALL REQUIRED SLEEVES AND SEALS FOR PPES OR CONDUIT PENETRATING WALLS OR FLOOR SLABS WITH GREE STOPPING PENETRANT WHERE REQUIRED.
15. PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT.
16. INSTALL COMPLETE OPERATING SYSTEMS. PROVIDE ALL COMPONENTS: DEVICES, CONTROLS, RELAYS, TRANSFORMERS, ETC. WHETHER INDICATED OR NOT, FOR CONTROL SYSTEMS AS INTENDED BY THE CONSTRUCTION DOCUMENTS.
17. ALL PENETRATIONS THRU RATED WALLS, FLOORS & CEILINGS SHALL BE SEALED USING UL LISTED METHODS APPROPRIATE FOR INDICATED RATING.
18. PROVIDE ACCESS DOORS/PANELS FOR INSTALLATION IN WALLS AND/OR CEILINGS, WHERE REQUIRED, TO SERVICE FIRE DAMPER.
19. PROVIDE ACCESS DOORS/PANELS FOR INSTALLATION IN WALLS AND/OR CEILINGS, WHERE REQUIRED, TO SERVICE FIRE DAMPER.

## ALTERATION WORK AND DEMOLITION

1. THE EXISTING CONDITIONS REPRESENTED HEREON ARE BASED ON GENERAL LOCATIONS OF EXISTING COMPONENTS IN THE FIELD AND ARE SHOWN ON THIS DRAWING FOR CONSTRUCTION PURPOSES ONLY. ACTUAL LOCATION AND SIZE OF EQUIPMENT AND DUCTWORK AND EXTENT OF DUCTWORK ROUTING, PIPING AND EXTENT OF PIPING LENGTH AND SIZE AND UTILITIES MAY VARY IN FIELD. MECHANICAL CONTRACTOR SHALL VERIFY LOCATIONS IN FIELD AND MAKE ALLOWANCE IN BID FOR LOCATIONS AND ARRANGEMENTS OTHER THAN SHOWN.
2. THE DEMOLITION NOTES ARE FOR DESCRIPTIVE GUIDE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS INDICATED OR NOT INDICATED AND/OR NOTED ON THE DRAWINGS. INCLUSION OF THESE EXISTING CONDITIONS HEREON SHALL IN NO WAY ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS.
3. REMOVE, MODIFY AND REPLACE EXISTING SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW HVAC SYSTEMS.
4. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY PIECE OF EQUIPMENT, PIPING OR CONDUIT TO BE REMOVED. EQUIPMENT NOT BEING USED SHALL BE REMOVED INCLUDING ALL ASSOCIATED HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES AND CONTROLS BACK TO THE POINT OF ORIGIN.
5. ALL WASTE MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM SITE AND SHALL BE LEGALLY DISPOSED BY THE CONTRACTOR.
6. NO EQUIPMENT, PIPING OR CONDUIT SHALL BE ABANDONED IN PLACE, UNLESS SPECIFICALLY NOTED OTHERWISE.
7. NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH MAY AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH THE OPERATION OF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S WRITTEN PERMISSION.
8. COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER'S MAINTENANCE PERSONNEL. NO WORK SHALL TAKE PLACE UNTIL DONE SO.
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL TRADES.
10. PIPING AND DUCT WORK LAYOUTS AS INDICATED ON THE DRAWINGS ARE DIAGNOSTIC. PROVIDE ADDITIONAL COORDINATION AND OTHER TRADES AS REQUIRED FOR COORDINATION WITH BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES.
11. PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE RATED PARTITIONS.
12. MAINTAIN MANUFACTURER'S RECOMMENDED MINIMUM CLEARANCES FOR INSTALLATION OF EQUIPMENT.
13. INSTALL COMPLETE OPERATING SYSTEMS. PROVIDE ALL COMPONENTS, DEVICES, CONTROLS, WIRING, TRANSFORMERS, ETC., WHETHER INDICATED OR NOT, FOR COMPLETE SYSTEMS AS INTENDED BY THE CONSTRUCTION DOCUMENTS.
14. THE TEMPERATURE CONTROL SYSTEM SHALL BE COMPLETELY INDEPENDENT, TESTED AND CAPABLE OF ACHIEVING THE SEQUENCES OF OPERATION ALL DEVICES SHALL BE UNDER SYSTEM CONTROL. ALL SPACES SHALL BE CONTROLLABLE. ALL SPACES SHALL BE CONTROLLABLE BY A LOCALITY CONTROL SYSTEM OR NOT A THERMOSTAT SENSOR OR CONTROLLER IS INDICATED.

SCHEDULE FOR DUCTLESS SPLIT SYSTEM													(BASIS OF DESIGN FRAME/ MITSUBISHI)					
INDOOR UNIT					OUTDOOR UNIT				COOLING PERFORMANCE				ELECTRICAL			REFRIGERATION (PIN) LIQUID / VAPOR	FACILITY REQUIRE	NOTES
TAG	AREA SERVED	TYPE AND MODEL	W X H X D INCH	WEIGHT (LBS)	TAG	MODEL	W X H X D INCH	WEIGHT (LBS)	CAPACITY (BTU/HR)	MINIMUM	RATED	EER	SEER	V/PH/Hz	MCA AMP			
TM-AC-1	GROUND FLOOR EMR	WALL MOUNTED PKA-AK24NL	46 1/4 X 14 3/8 X 11 6/25	46	TM-OU-1	PUY-AK24NL	37 1/4 X 37 1/4 X 16 6	151	10,000	24,000	13.2	22.6	208-230/1/60	22	25	3/8 X 5/8	R454B	1 TO 5
NOTES																		
1 PROVIDE DISCONNECT SWITCH									4 INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTING WIRING									
2 MANUFACTURER PROVIDED WALL MOUNTED WIRED CONTROLLER									5 SIDEWALL MOUNTED OUTDOOR UNIT PROVIDE WITH WALL BRACKET									
3 PROVIDE LOW AMBIENT WIND BAFFLE FOR COOLING OPERATION DOWN TO -40 DEG F																		

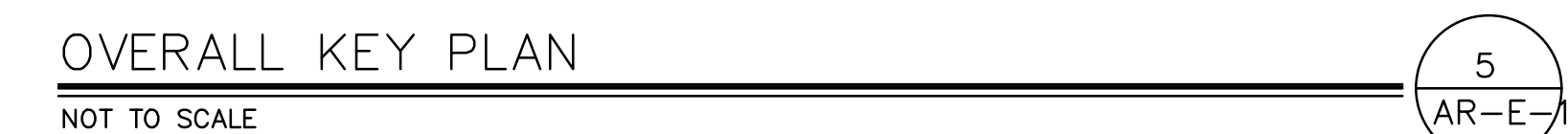
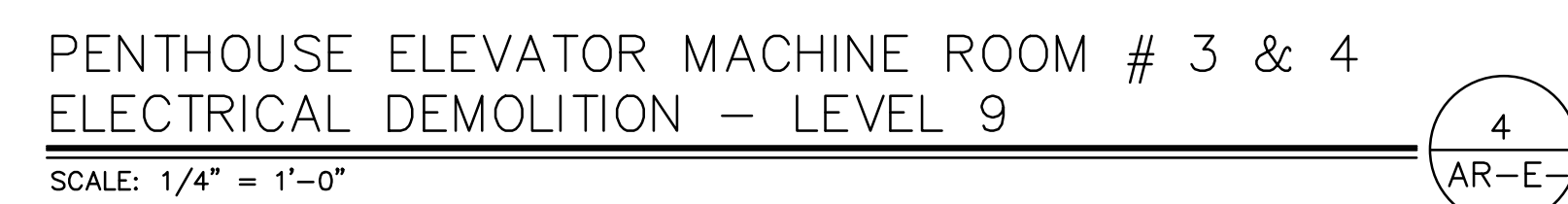
EXHAUST FAN SCHEDULE										(BASED ON LOREN COOK)		
TAG	AREA SERVED	TYPE	CFM	STATIC PRESS (IN. WG)	FAN RPM	VOLTS/	HP	MOTOR ENCLOSURE	RPM	MODEL	DAMPER ACTUATOR VOLTAGE	NOTES
TM-EF-1	GROUND FLR EMR	PACKAGED WALL FAN	1271	0.125	1530	115/1	1/4	OPEN-EC	1725	12XPD-EC	115 V SHUTTER	1, 2, 3

NOTES

1. DIRECT DRIVE PACKAGED WALL-FAN, PROVIDE WITH DISCONNECT SWITCH, EC MOTOR, MOTORIZED SHUTTER AND EXPANDED METAL SHUTTER GUARD WITH INSECT SCREEN
2. PROVIDE WITH TEMPERATURE CONTROLLER, LOREN COOK MODEL VPTC AND VAP/LOW AIR BALANCE KIT (VFAK). PROVIDE VFAK WITH 24-VOLT TRANSFORMER, INTERLOCK WITH THE DASH-FAN AND THE QA MOTORIZED DAMPER. CONTRACTOR TO PROVIDE ALL REQUIRED DEVICES AND INTERLOCK WIRING
3. INTERLOCK WITH CONTRACTOR PROVIDED REFRIGERANT LEAK DETECTOR. LEAK DETECTOR SHALL BE EQUIVALENT TO BACHARACH MGS-450 SERIES. COORDINATE EXACT LOCATION IN FIELD.

ELECTRIC UNIT HEATER SCHEDULE							(BASED ON)	
TAG	LOCATION	CFM	HEATING CAPACITY (KW)	ELECTRICAL DATA		CONTROL		MODEL
				VOLTS	PHASE	A	VOLT	
TM-EUH-1	GROUND FLR EMR	650	7.5/10	208/240	1-3	36/42	24	MJH-10-2
NOTES:								
1. PROVIDE WITH FACTORY INSTALLED 24V CONTROL TRANSFORMER						3. PROVIDE WITH WALL MOUNTED THERMOSTAT		
2. PROVIDE WITH AUTOMATIC RESET LINEAR THERMAL CUT-OUT CAPILLARY TUBE TO PROVIDE PROTECTION OVER ENTIRE LENGTH OF ELEMENTS						4. PROVIDE DISCONNECT SWITCH		



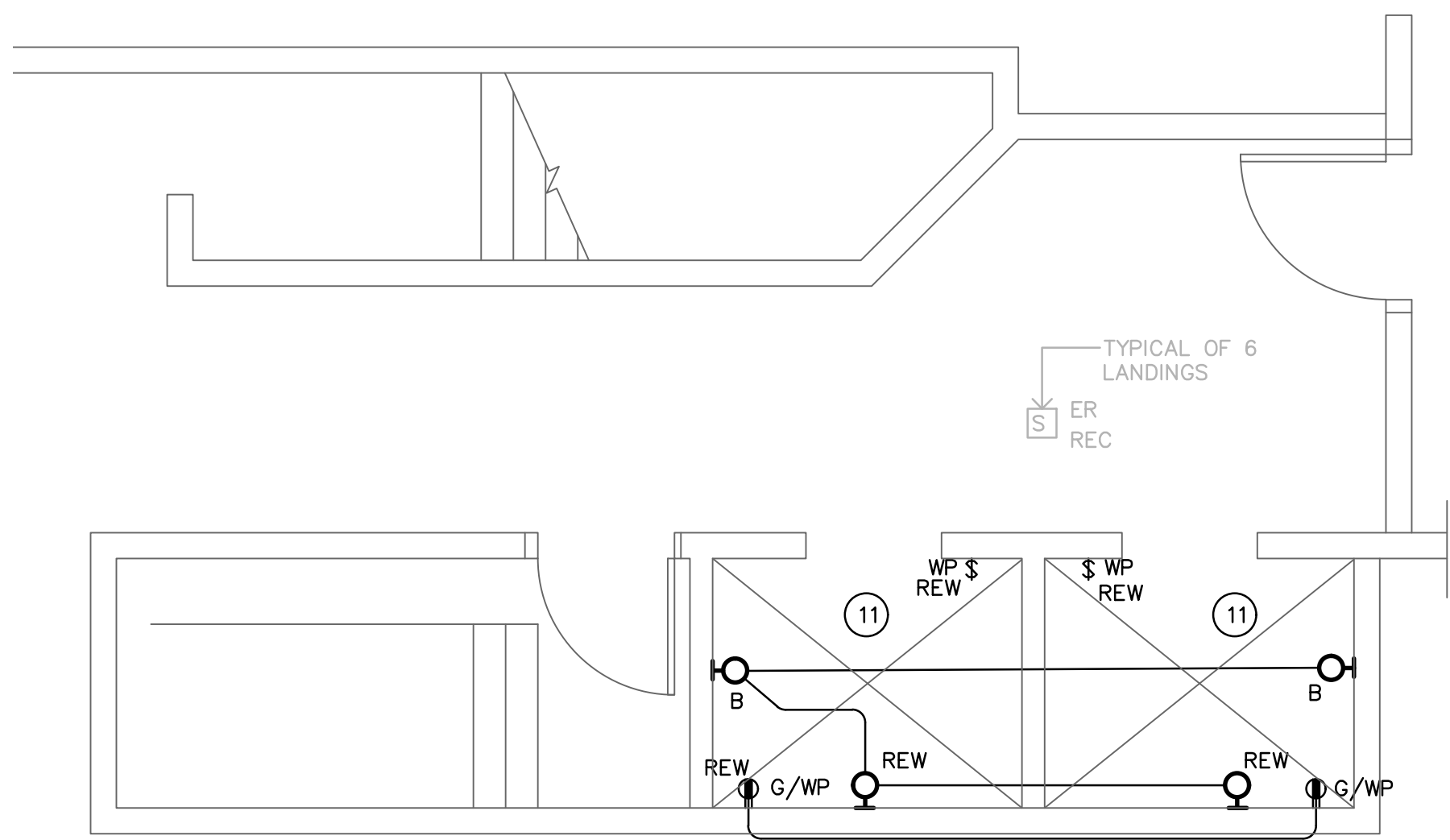


- ① APPROXIMATE LOCATION OF EXISTING ELEVATOR MOTOR TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
- ② APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL (I-T-E) RATED FOR 30A, 240/120V - 1 PHASE, 3 WIRE, FED FROM WIREWAY TO BE REPLACED.
- ③ APPROXIMATE LOCATION OF EXISTING STEP-DOWN TRANSFORMER RATED FOR 5KVA, 480V-240/120V - 1 PHASE, 3 WIRE, FED FROM WIREWAY TO BE REPLACED.
- ④ APPROXIMATE LOCATION OF EXISTING ELEVATOR CONTROLLER TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. DISCONNECT ALL ELECTRICAL COMPONENTS AND ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.

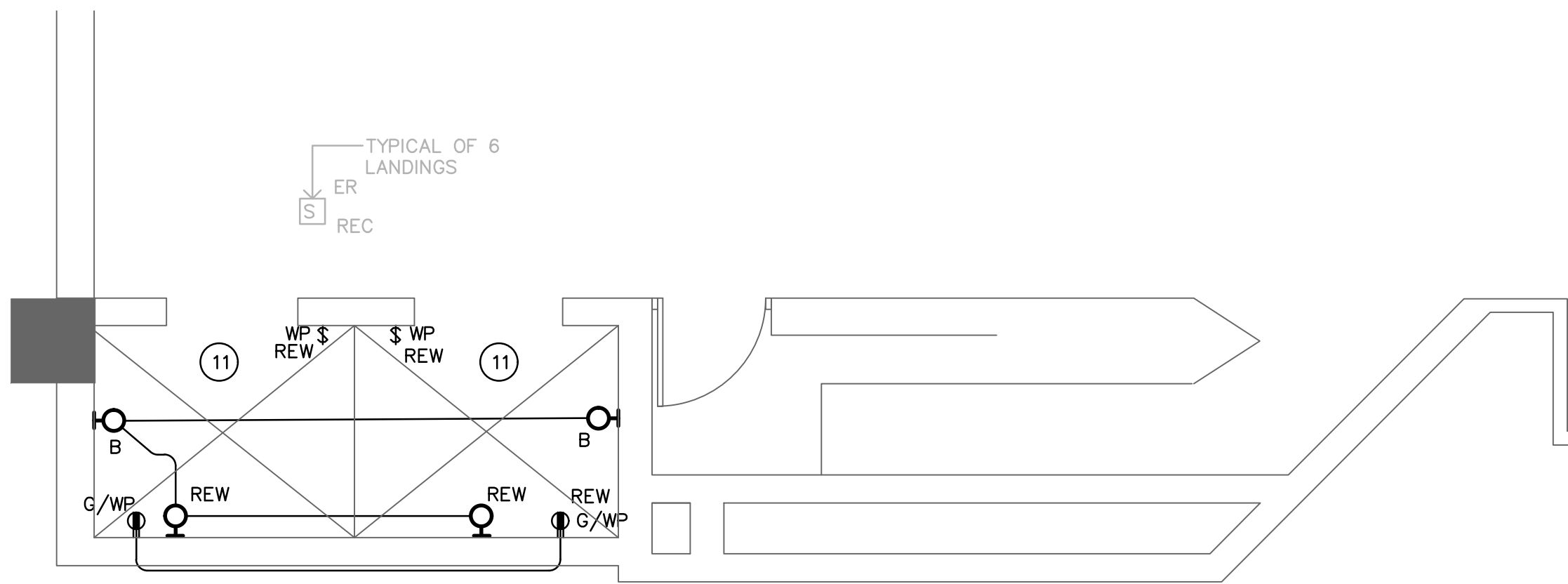
ER	EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
ERW	EXISTING UNIT/DEVICE TO BE REPLACED AT SAME LOCATION. CONTRACTOR TO RETAIN ASSOCIATED WIRING AND CONDUIT TO SUIT NEW. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
R	EXISTING TO BE REMOVED. CONTRACTOR TO REMOVE ASSOCIATED DEVICES, WIRING AND CONDUIT BACK TO SOURCE
RR	EXISTING TO BE REMOVED AND RELOCATED. CONTRACTOR TO EXTEND ASSOCIATED WIRING AND CONDUIT TO NEW LOCATION.

1. UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND/OR ABANDONED SHALL REMAIN.
3. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
4. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNER'S OCCUPANCY REQUIREMENTS.
6. ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
7. THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
10. ELECTRICAL COMPONENTS SHOWN ON THE DEMOLITION DRAWINGS, AND THE ASSOCIATED CONDUIT, WIRE & BOXES ARE TO BE REMOVED AND DISPOSED OF UNLESS SPECIFICALLY NOTED OTHERWISE.
11. ALL MATERIALS BEING REMOVED SHALL BE HANDLED IN A MANNER COMPLYING WITH ALL PERTINENT LAWS, CODES AND ENVIRONMENTAL REGULATIONS.
12. ALL REMOVED COMPONENTS SHALL BE LEGALLY DISPOSED OF BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
13. WHERE EXISTING DEVICES ARE REMOVED & NO NEW DEVICES ARE INSTALLED IN THE SAME LOCATION, REMOVE ALL WIRING FROM BOX & PROVIDE PROPERLY SIZED BLANK COVER PLATE.
14. WHERE ELECTRICAL EQUIPMENT & DEVICES ARE BEING REMOVED, COORDINATE AND FIELD VERIFY IF BRANCH CIRCUIT FEEDS THROUGH TO EQUIPMENT/DEVICES TO REMAIN. BRANCH CIRCUITS SHALL BE SPICED OR RELOCATED TO MAINTAIN CONTINUATION OF SERVICES.

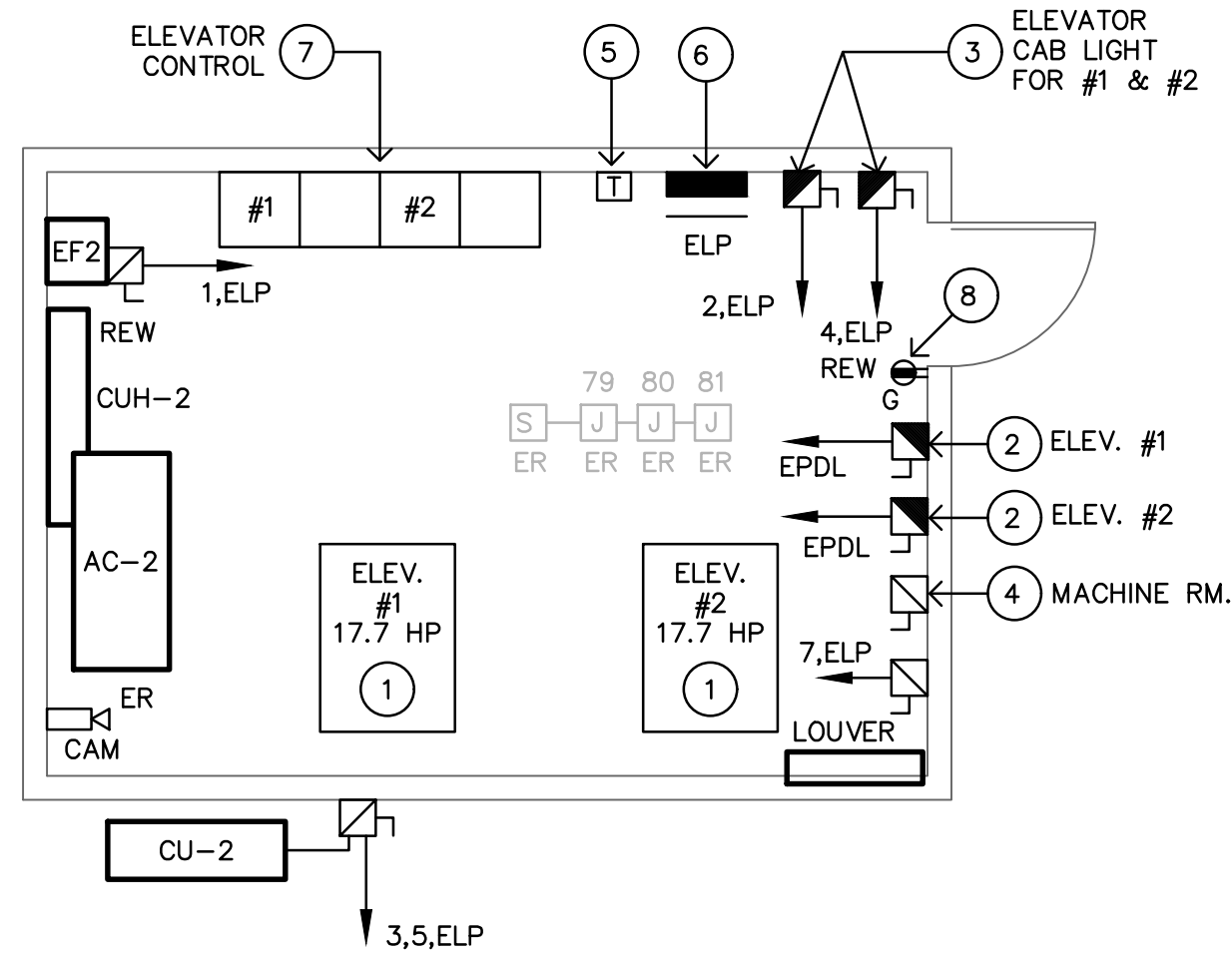




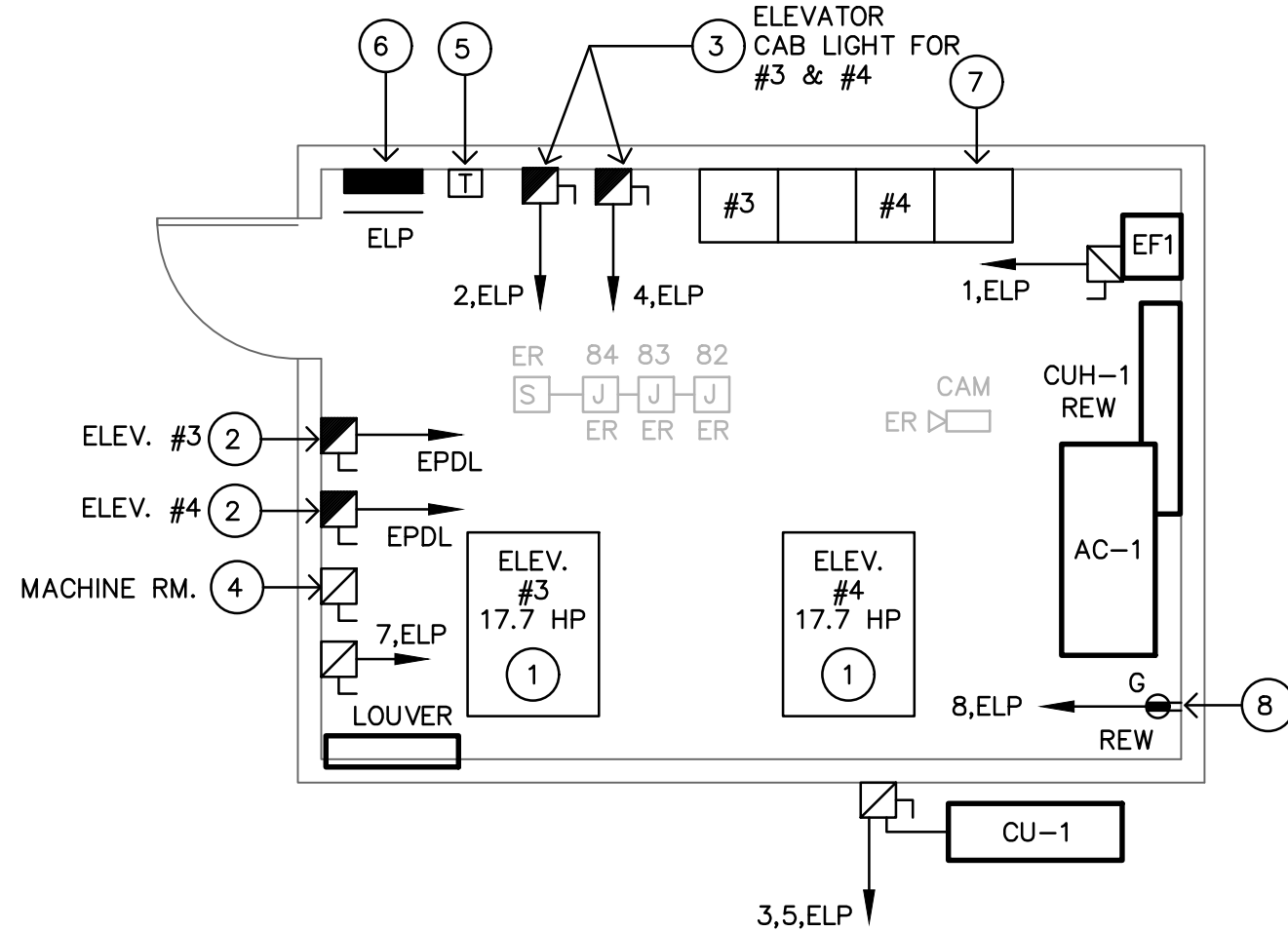
ELEVATOR - # 1 & 2 GROUND LEVEL ELECTRICAL NEW WORK  
SCALE: 1/4" = 1'-0"



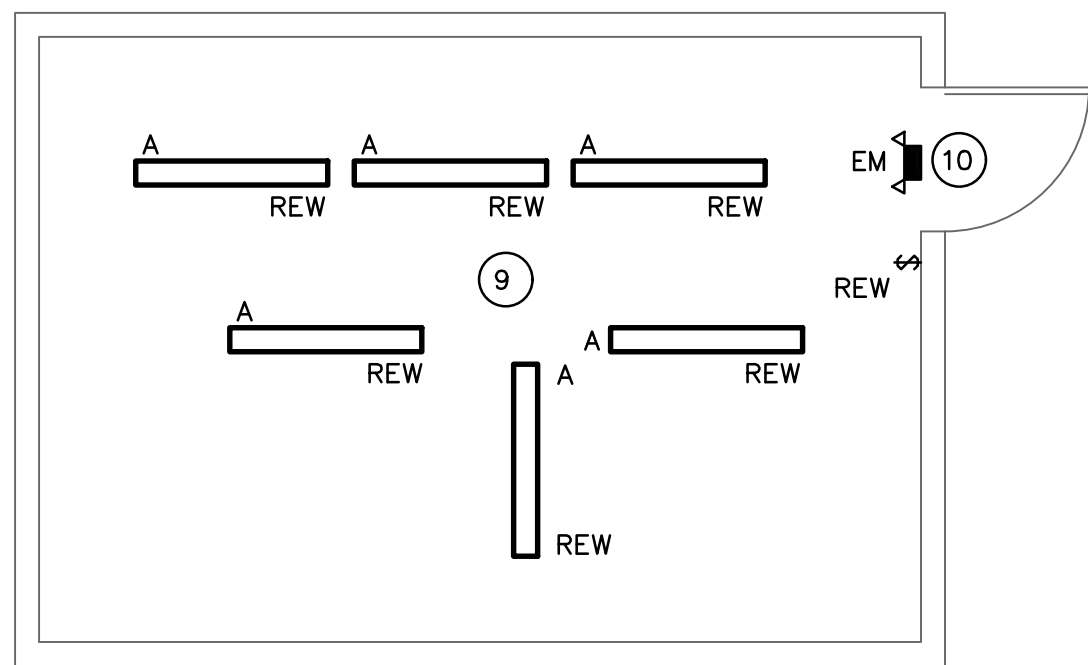
ELEVATOR - # 3 & 4 GROUND LEVEL ELECTRICAL NEW WORK  
SCALE: 1/4" = 1'-0"



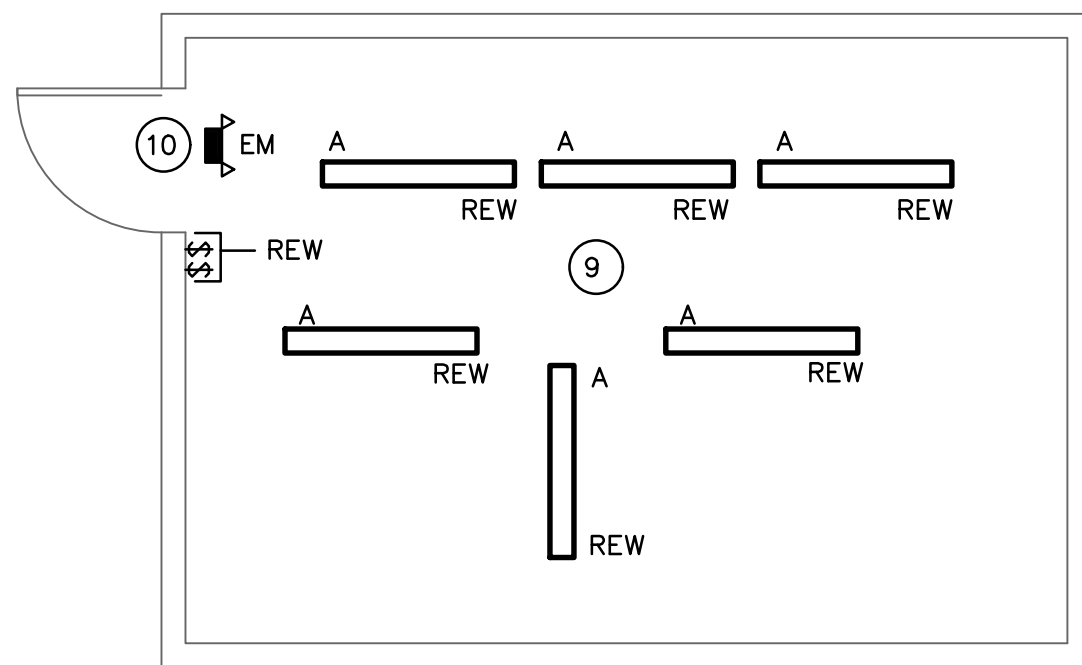
PENTHOUSE ELEVATOR MACHINE ROOM # 1 & 2  
ELECTRICAL POWER NEW WORK - LEVEL 10  
SCALE: 1/4" = 1'-0"



PENTHOUSE ELEVATOR MACHINE ROOM # 3 & 4  
ELECTRICAL POWER NEW WORK LEVEL 9  
SCALE: 1/4" = 1'-0"



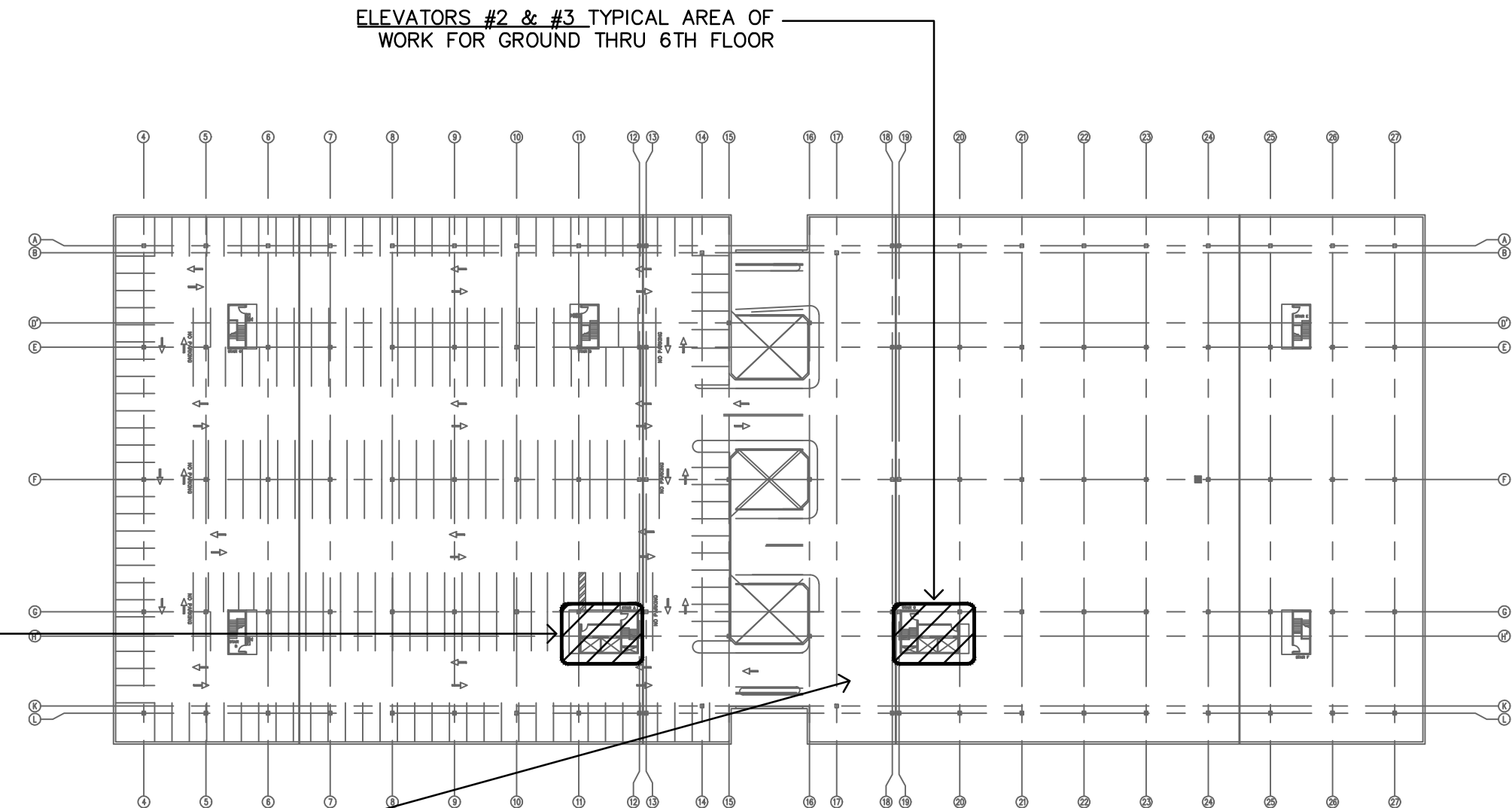
PENTHOUSE ELEVATOR MACHINE ROOM # 1 & 2  
ELECTRICAL LIGHTING NEW WORK  
SCALE: 1/4" = 1'-0"



PENTHOUSE ELEVATOR MACHINE ROOM # 3 & 4  
ELECTRICAL LIGHTING NEW WORK  
SCALE: 1/4" = 1'-0"

ELEVATORS 1 & 2  
TYPICAL AREA OF WORK FOR GROUND  
THRU 6TH FLOOR

APPROXIMATE LOCATION OF MAIN  
ELECTRICAL ROOM IN HIGHWAY LEVEL



OVERALL KEY PLAN  
NOT TO SCALE

## NEW WORK KEY NOTES

- NEW ELEVATOR AC GEARLESS MACHINE WITH MOTOR TO BE PROVIDED BY ELEVATOR INSTALLER. CONTRACTOR TO WIRE MOTOR RATED FOR 17.7 HP TO CORRESPONDING ELEVATOR DISCONNECT.
- PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR **60AMP-3P** WITH **40AMP** FUSE, 480V-3PHASE TO SUIT CORRESPONDING ELEVATOR DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. PROVIDE AUXILIARY CONTACT WITHIN DISCONNECT TO BE INTERCONNECTED WITH ELEVATOR CONTROLLERS. INTERCONNECT DISCONNECT WITH ELEVATOR MOTOR AND ELECTRICAL PANEL "EPDL" LOCATED IN MAIN ELECTRICAL ROOM IN HIGHWAY LEVEL. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 30A, 120V-1 PHASE TO SUIT CAB LIGHTING AND VENTILATION. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. INTERCONNECT WITH CAB LIGHTING, VENTILATION AND NEW ELECTRICAL PANEL "ELP". PROVIDE 20A-1P CIRCUIT BREAKER, 3/4"C, 3#12 AND ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- PROPOSED LOCATION FOR NEW DISCONNECT SWITCH RATED FOR 30A, 480V TO SERVE NEW STEP-DOWN TRANSFORMER. CONTRACTOR TO FEED UNIT FROM EXISTING POWER SOURCE/ELECTRICAL PANEL AND PROVIDE 25A-3P, 3/4"C, 3#10, 1#10G.
- PROPOSED LOCATION FOR NEW WALL MOUNT STEP-DOWN TRANSFORMER RATED FOR 15KVA, 480-120/240-1PH. MOUNT AND WIRE AS PER MANUFACTURER REQUIREMENTS.
- PROPOSED LOCATION FOR NEW ELECTRICAL PANEL ELP RATED FOR 60A, 120/240V-1PH. REFER TO PANELBOARD SCHEDULE AND ONE-LINE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- NEW ELEVATOR CONTROLLER TO BE PROVIDED AND INSTALLED BY ELEVATOR INSTALLER. CONTRACTOR TO INTERCONNECT UNIT WITH CORRESPONDING ELEVATOR DISCONNECT AND PROVIDE ASSOCIATED WIRING AND CONDUIT.
- CONNECT/EXTEND POWER RECEPTACLE CIRCUIT TO NEW ELECTRICAL PANEL ELP AND PROVIDE 20A-1P BREAKER IN PANEL. PROVIDE NEW BRANCH CIRCUIT IF EXISTING IS NOT DEDICATED TO POWER RECEPTACLES.
- CONNECT/EXTEND LIGHTING CIRCUIT TO NEW ELECTRICAL PANEL ELP AND PROVIDE 20A-1P BREAKER IN PANEL. PROVIDE NEW BRANCH CIRCUIT IF EXISTING IS NOT DEDICATED TO LIGHTING.
- CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCHING DEVICE.
- PROVIDE NEW BRANCH CIRCUIT IF EXISTING IS NOT DEDICATED FOR POWER RECEPTACLES AND LIGHTING. PROVIDE (2) 20A-1P, 3/4"C, 2#12, 1#12G FROM PANEL ELP IN MACHINE ROOM.

## NEW WORK ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).  
REW REPLACED EXISTING UNIT/DEVICE AT SAME LOCATION. RECONNECT TO EXISTING WIRING AND CONDUIT AND CONNECT/EXTEND TO NEW ELECTRICAL PANEL.

## DRAWING GENERAL NOTES

- ONLY LINE VOLTAGE WIRING RATED FOR 120V SERVING ELEVATOR DEVICES CAN BE INSTALLED WITHIN ELEVATOR HOISTWAY.
- PROVIDE SHUNT-TRIP BREAKERS FOR ALL CIRCUIT BREAKERS SERVING ELEVATOR WITH SPRINKLER HEAD IN THE ELEVATOR HOISTWAY.
- ELECTRICAL CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING CONSTRUCTION TO PROTECT MATERIALS AND EQUIPMENT. ANY & ALL DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PANEL DIRECTORIES AFFECTED BY RENOVATION SHALL BE UPDATED WITH NEW CIRCUIT BREAKER DESIGNATION.
- ALL CIRCUIT BREAKERS SERVING ELEVATOR SHALL BE PROVIDED WITH LOCK TAB.
- DESIGN WAS DEVELOPED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED IN ELECTRICAL PANELBOARD DIRECTORY. CONDUITS AND FEEDERS COULD NOT BE TRACED. CONTRACTOR MUST TRACE ELEVATOR FEEDERS AND NOTIFY ENGINEER OF ANY DISCREPANCY WITH DRAWINGS PRIOR STARTING PROJECT.

PANEL ELP (TYP. OF 2)														LOCATION: MACHINE ROOM	
RATINGS: 60A MCB 22,000 AIC														MOUNTING: SURFACE	
SERVICE: 120/240V, 1 PH/4-WIRE															
DESCRIPTION	NOTE	AMPS	TRIP AMP	POLE	CKT. TYP.	CKT. NO.	A	#	CKT. NO.	CKT. TYP.	POLE	TRIP AMP	AMPS	NOTE	DESCRIPTION
EF-1 & 2		6	20	1	A	1	+	+	2	A	1	20	2		CAR 1 LIGHT
CU/AC 1 & 2		25	35	2	B	3	+	+	4	A	1	20	2		CAR 2 LIGHT
INTAKE LOUVER		2	20	1	A	7	+	+	8	A	1	20	1.5		E.M.R. LIGHTING
SPARE		0	20	1	-	9	+	+	10	-	1	20	0		SPARE
SPARE		0	20	1	-	11	+	+	12	-	1	20	0		SPARE
SPARE		0	20	1	-	13	+	+	14	-	1	20	0		SPARE
SPARE		0	20	1	-	15	+	+	16	-	1	20	0		SPARE
SPACE		0	-	1	-	17	+	+	18	-	1	-	0		SPACE
SPACE		0	-	1	-	19	+	+	20	-	1	-	0		SPACE
SPACE		0	-	1	-	21	+	+	22	-	1	-	0		SPACE
SPACE		0	-	1	-	23	+	+	24	-	1	-	0		SPACE

- NOTES:  
1. PROVIDE CB LOCK.  
2. UPGRADE WIRE SIZE AS REQUIRED TO MAINTAIN 3% MAXIMUM VOLTAGE DROP.  
3. TOTAL CONNECTED LOAD: PHASE A - 35 6.6 KVA BASED ON 32 AMPS/PHASE  
PHASE B - 35  
4. CIRCUIT TYPE A: 120V, 3 WIRE IN CONDUIT OR MC CABLE.  
5. CIRCUIT TYPE B: 240V, 1Ø, 4 WIRE IN CONDUIT OR MC CABLE.

ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN, CONNECTICUT

NO. DATE BY

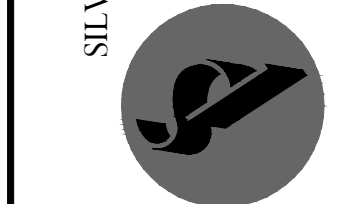
REVISIONS  
DRAWING TITLE  
AIR RIGHT -  
ELECTRICAL  
NEW WORK  
PART PLANS

DRAWING NO.  
AR-E-2

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHPA NO. 21-011  
DESIGN J.R.P. DRAWN J.R.P. CH'KD. R.R.B.

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Design Management

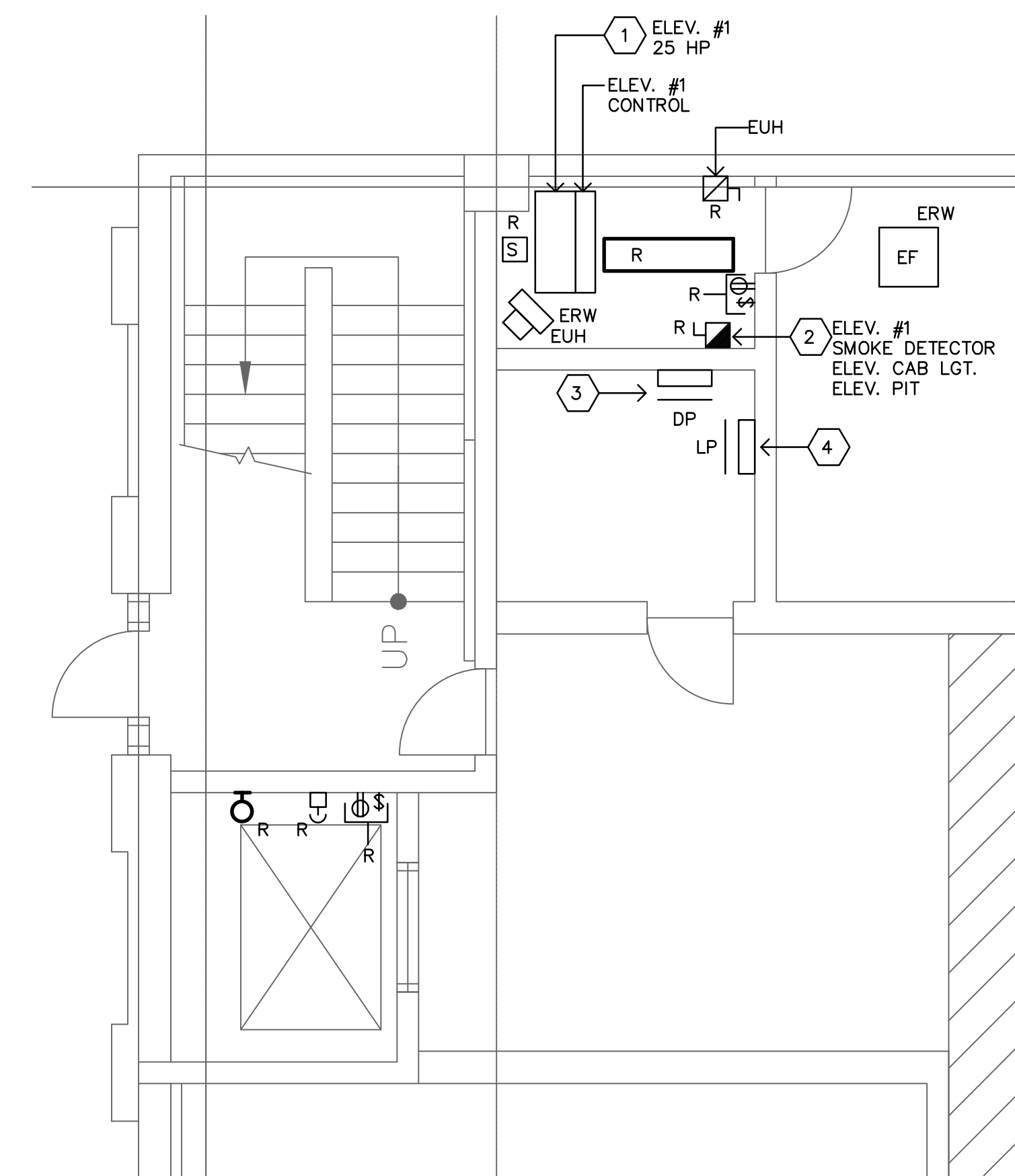








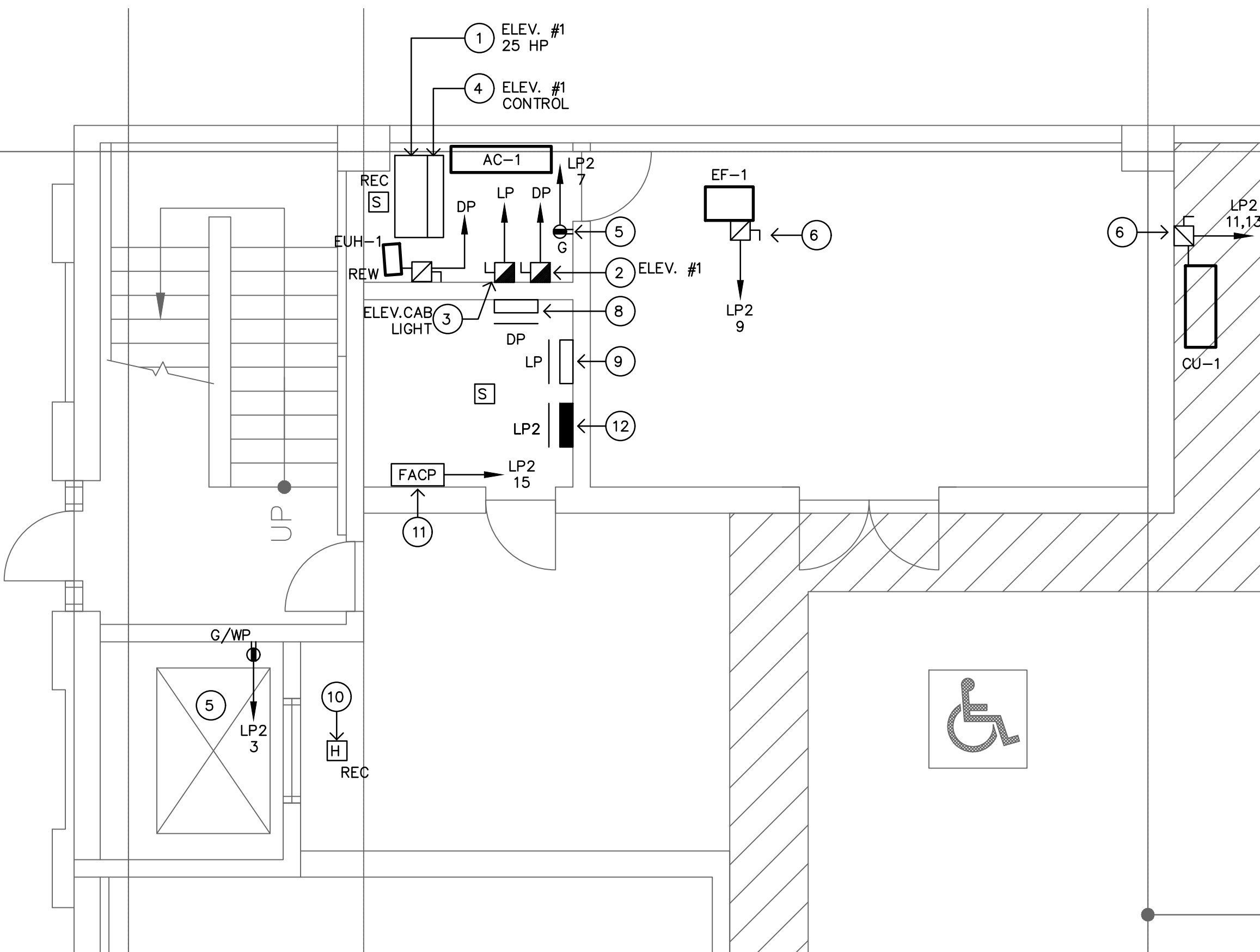




ELEVATOR #1 GROUND LEVEL AND  
MACHINE ROOM – ELECTRICAL DEMOLITION

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

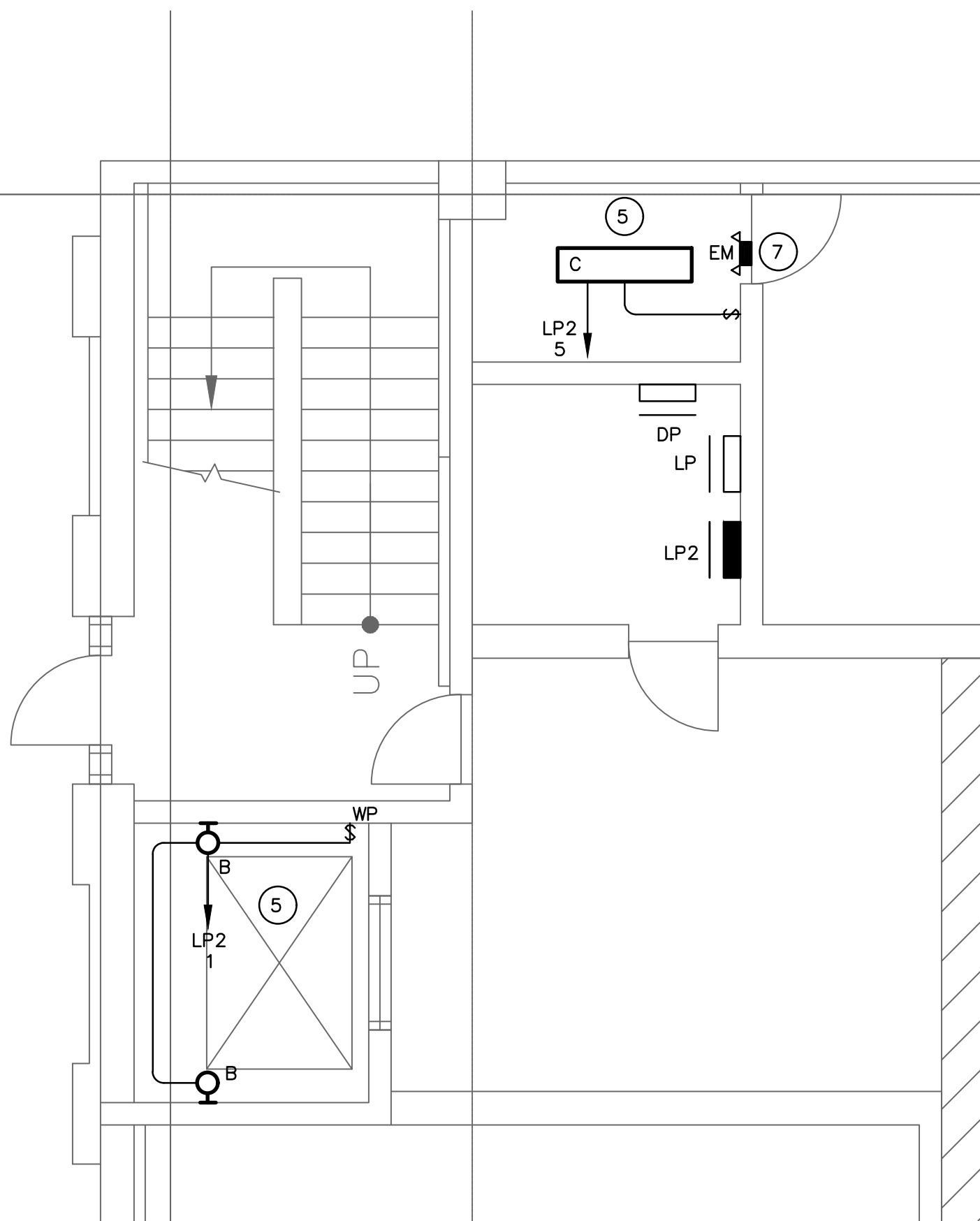
1  
SS-E-1



ELEVATOR #1 GROUND LEVEL AND  
MACHINE ROOM – POWER NEW WORK

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

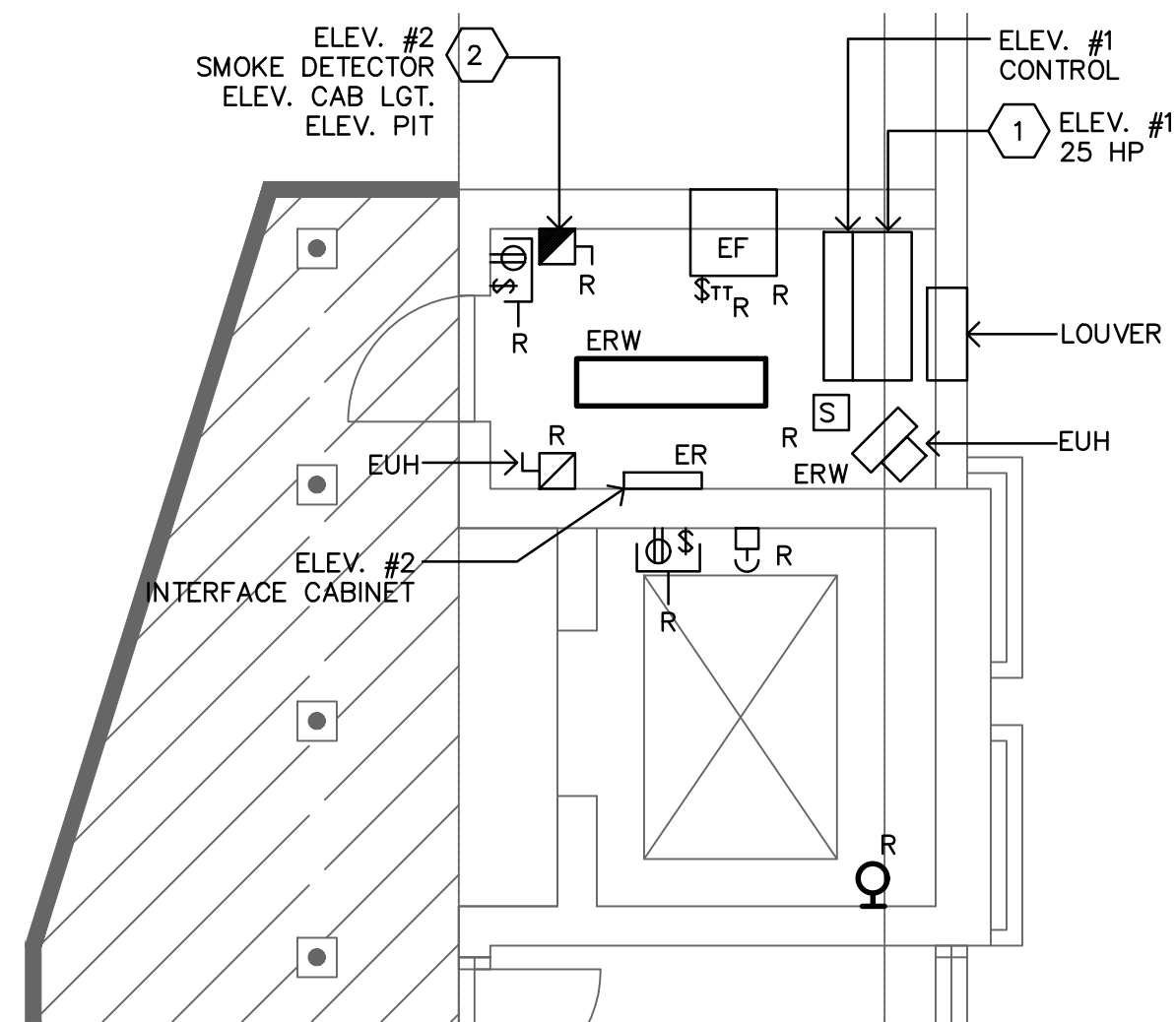
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SS-E-1



ELEVATOR #1 GROUND LEVEL AND  
MACHINE ROOM – LIGHTING NEW WORK

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

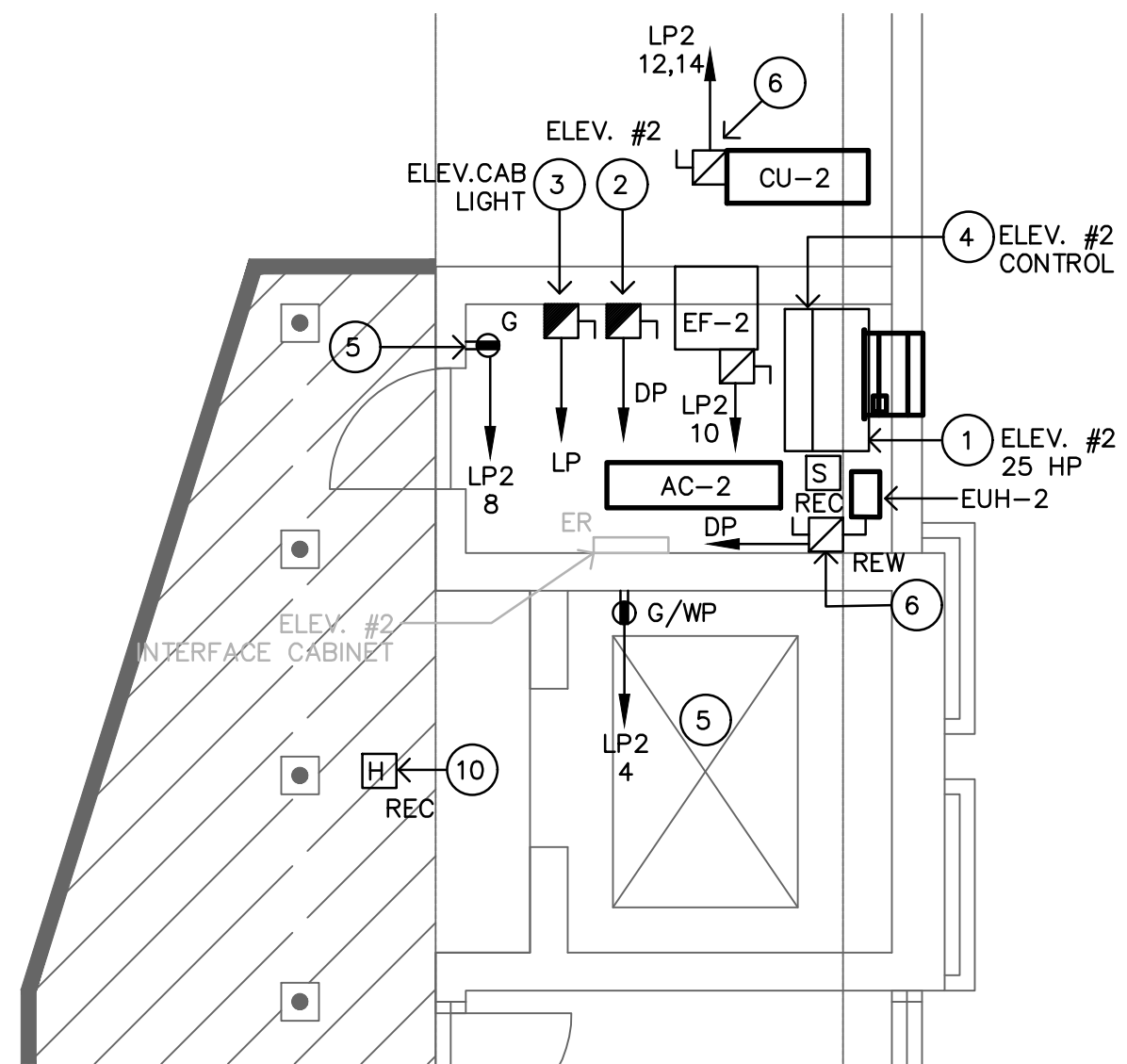
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SS-E-1



ELEVATOR #2 GROUND LEVEL AND  
MACHINE ROOM – ELECTRICAL DEMOLITION

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

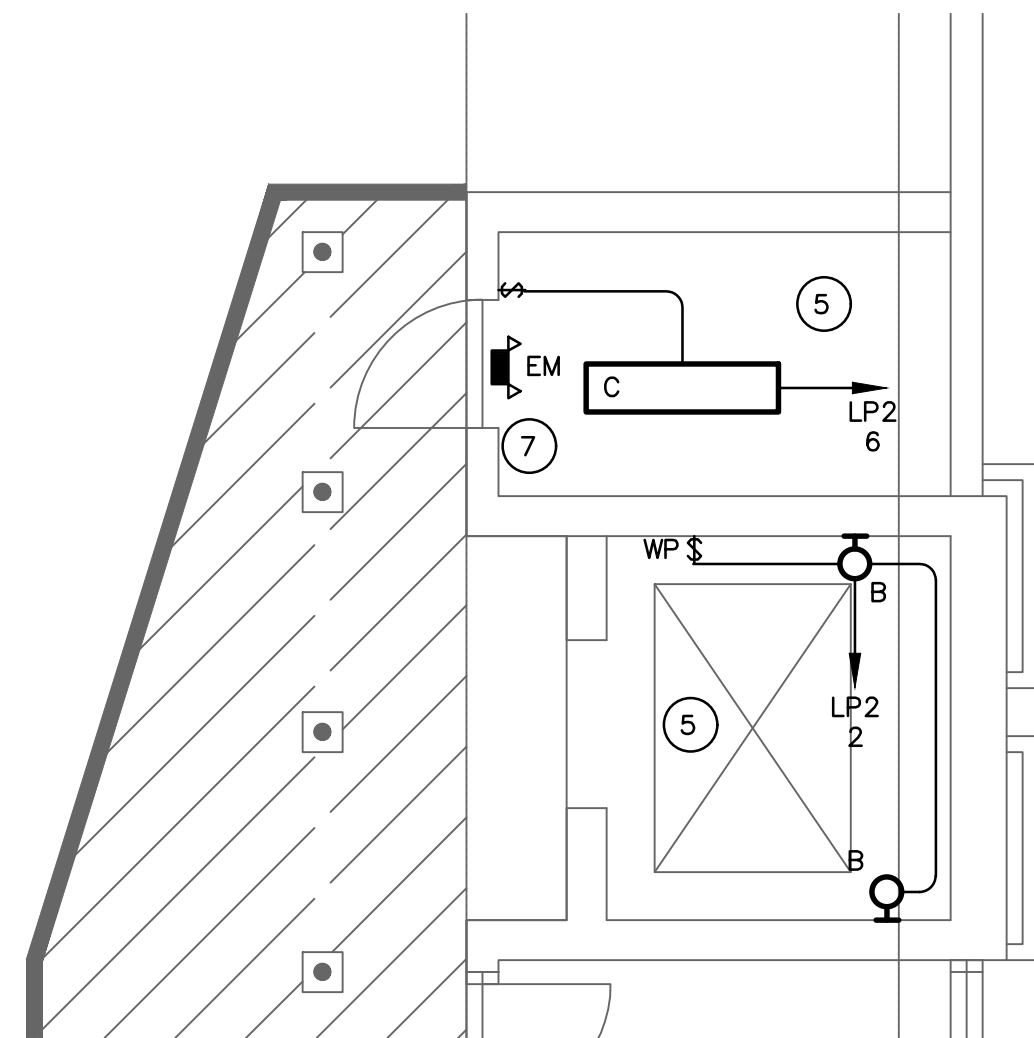
3  
SS-E-1



ELEVATOR #2 GROUND AND  
MACHINE ROOM – POWER NEW WORK

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

4  
SS-E-1



ELEVATOR #2 GROUND LEVEL AND  
MACHINE ROOM – LIGHTING NEW WORK

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

4  
SS-E-1

## DEMOLITION KEY NOTES

- APPROXIMATE LOCATION OF EXISTING ELEVATOR MOTOR TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO DISCONNECT SERVING ELEVATOR.
- APPROXIMATE LOCATION OF EXISTING ELEVATOR DISCONNECT TO BE REPLACED. CONTRACTOR TO RETAIN ASSOCIATED FEED AND CONDUIT TO SUIT NEW UNIT.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 400A, 208Y/120V-3PH, 4 WIRE SERVING ELEVATOR. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 225A, 120/208V-3PH, 4 WIRE SERVING ELEVATOR CAB LIGHTING, M.R., LIGHTING, POWER RECEPTACLE AND ELEVATOR CONTROLLERS. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.

## DEMOLITION ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- ERW EXISTING UNIT/DEVICE TO BE REPLACED AT SAME LOCATION. CONTRACTOR TO RETAIN ASSOCIATED WIRING AND CONDUIT TO SUIT NEW. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- R EXISTING TO BE REMOVED. CONTRACTOR TO REMOVE ASSOCIATED DEVICES, WIRING AND CONDUIT BACK TO SOURCE.

## DEMOLITION GENERAL NOTES

- UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
- NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND/OR ABANDONED SHALL REMAIN.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
- ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNER'S OCCUPANCY REQUIREMENTS.
- ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
- THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
- ELECTRICAL COMPONENTS SHOWN ON THE DEMOLITION DRAWINGS, AND THE ASSOCIATED CONDUIT, WIRE & BOXES ARE TO BE REMOVED AND DISPOSED OF UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL MATERIALS BEING REMOVED SHALL BE HANDLED IN A MANNER COMPLYING WITH ALL PERTINENT LAWS, CODES AND ENVIRONMENTAL REGULATIONS.
- ALL REMOVED COMPONENTS SHALL BE LEGALLY DISPOSED OF BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHERE EXISTING DEVICES ARE REMOVED & NO NEW DEVICES ARE INSTALLED IN THE SAME LOCATION, REMOVE ALL WIRING FROM BOX & PROVIDE PROPERLY SIZED BLANK COVER PLATE.
- WHERE ELECTRICAL EQUIPMENT & DEVICES ARE BEING REMOVED, COORDINATE AND FIELD VERIFY IF BRANCH CIRCUIT FEEDS THROUGH TO EQUIPMENT/DEVICES TO REMAIN. BRANCH CIRCUITS SHALL BE SPLICED OR RELOCATED TO MAINTAIN CONTINUATION OF SERVICES.

## NEW WORK KEY NOTES

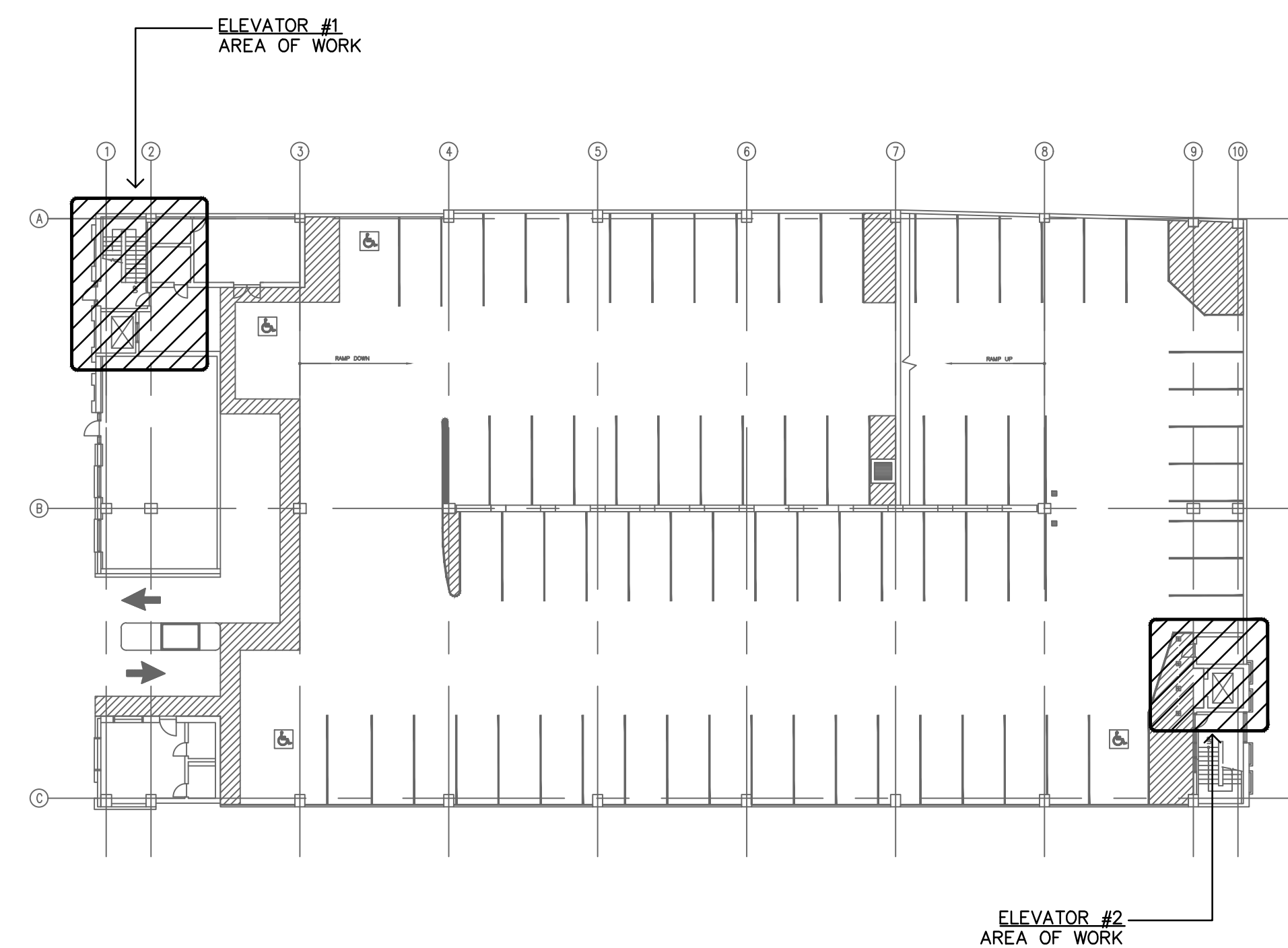
- NEW ELEVATOR MACHINE WITH MOTOR TO BE PROVIDED BY ELEVATOR INSTALLER. CONTRACTOR TO WIRE MOTOR TO CORRESPONDING ELEVATOR DISCONNECT.
- PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 100AMP-3P WITH 90AMP FUSE, 208V-3PHASE TO SUIT ELEVATOR. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. PROVIDE AUXILIARY CONTACT WITHIN DISCONNECT TO BE INTERCONNECTED WITH ELEVATOR CONTROLLERS. INTERCONNECT WITH ELEVATOR MOTOR AND ELECTRICAL PANEL "DP" LOCATED IN MAIN ELECTRICAL ROOM. PROVIDE 100A-3P CIRCUIT BREAKER IN PANEL 1-1/4"C. 4#3 IF EXISTING FEEDER AND BREAKER IS NOT COMPATIBLE WITH NEW CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 30A, 120V-1 PHASE TO SUIT CAB LIGHTING AND VENTILATION. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. INTERCONNECT WITH CAB LIGHTING AND EXISTING/EXTENDED BRANCH CIRCUIT. PROVIDE 20A-1P, 3/4"C. 3#12 IF EXISTING CIRCUIT AND BREAKER IS NOT COMPATIBLE WITH NEW CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- NEW ELEVATOR CONTROLLER TO BE PROVIDED AND INSTALLED BY ELEVATOR INSTALLER. CONTRACTOR TO INTERCONNECT UNIT WITH CORRESPONDING ELEVATOR DISCONNECT AND PROVIDE ASSOCIATED WIRING AND CONDUIT.
- PROVIDE DEDICATED BRANCH CIRCUIT TO SUIT POWER RECEPTACLES AND LIGHT. PROVIDE 20A-1P, 3/4"C. 2#12, 1#12G FROM "LP2" PANEL LOCATED IN MAIN ELECTRICAL ROOM.
- DISCONNECT SWITCH TO BE PROVIDED BY MECHANICAL, WIRED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCHING DEVICE.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED FOR 400A, 208Y/120V-3PH, 4 WIRE SERVING ELEVATORS. CONTRACTOR TO REWORK PANEL AS REQUIRED TO ACCOMMODATE NEW CIRCUIT BREAKERS AND UPDATE PANEL DIRECTORY WITH NEW BREAKER DESIGNATION. REFER TO ONE-LINE RISER DIAGRAM IN SHEET SS-E-2 FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 225A, 120/208V-3PH, 4 WIRE SERVING ELEVATOR CAB LIGHTING, M.R., LIGHTING, POWER RECEPTACLE AND ELEVATOR CONTROLLERS. CONTRACTOR TO REWORK PANEL AS REQUIRED TO ACCOMMODATE NEW CIRCUIT BREAKERS AND UPDATE PANEL DIRECTORY WITH NEW BREAKER DESIGNATION.
- PROVIDE NEW ELEVATOR RECALL HEAT DETECTOR FOR EACH OF THREE LANDINGS. DEVICE SHALL BE NON-ADDRESS, COLD TEMPERATURE TYPE WITH ADDRESS MODULE FOR EACH.
- PROPOSED LOCATION FOR NEW FIRE ALARM CONTROL PANEL. CONTROL PANEL SHALL BE FURNISHED WITH ALL COMPONENTS REQUIRED TO SERVE DEVICE SHOWN ON DRAWING. PROVIDE TWO TELEPHONE LINES AND ALL NECESSARY MATERIAL AND ACCESSORIES FOR A COMPLETE INSTALLATION TO BE FULLY OPERATIONAL. COORDINATE FINAL LOCATION WITH FIRE MARSHAL PRIOR INSTALLATION.
- PROPOSED LOCATION FOR NEW ELECTRICAL PANEL LP2 RATED FOR 60A, 120/240V-1PH. REFER TO PANELBOARD SCHEDULE AND ONE-LINE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

## NEW WORK ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- REW REPLACED EXISTING UNIT/DEVICE AT SAME LOCATION.

## DRAWING GENERAL NOTES

- ONLY LINE VOLTAGE WIRING RATED FOR 120V SERVING ELEVATOR DEVICES CAN BE INSTALLED WITHIN ELEVATOR HOISTWAY.
- PROVIDE SHUNT-TRIP BREAKER FOR ALL CIRCUIT BREAKER SERVING ELEVATOR WITH SPRINKLER HEAD IN THE ELEVATOR HOISTWAY.
- ELECTRICAL CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING CONSTRUCTION TO PROTECT MATERIALS AND EQUIPMENT. ANY & ALL DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PANEL DIRECTORIES AFFECTED BY RENOVATION SHALL BE UPDATED WITH NEW CIRCUIT BREAKER DESIGNATION.
- ALL CIRCUIT BREAKERS SERVING ELEVATOR SHALL BE PROVIDED WITH LOCK TAB.
- DESIGN WAS DEVELOPED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED IN ELECTRICAL PANELBOARD DIRECTORY. CONDUITS AND FEEDERS COULD NOT BE TRACED. CONTRACTOR MUST TRACE ELEVATOR FEEDERS AND NOTIFY ENGINEER OF ANY DISCREPANCY WITH DRAWINGS PRIOR STARTING PROJECT.



## OVERALL KEY PLAN

NOT TO SCALE

5  
SS-E-1

## ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE AT THE NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN.

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silverpetr@pcell.com



CONNECTICUT

**DESMAN**  
Design Management

NO.	DATE	BY

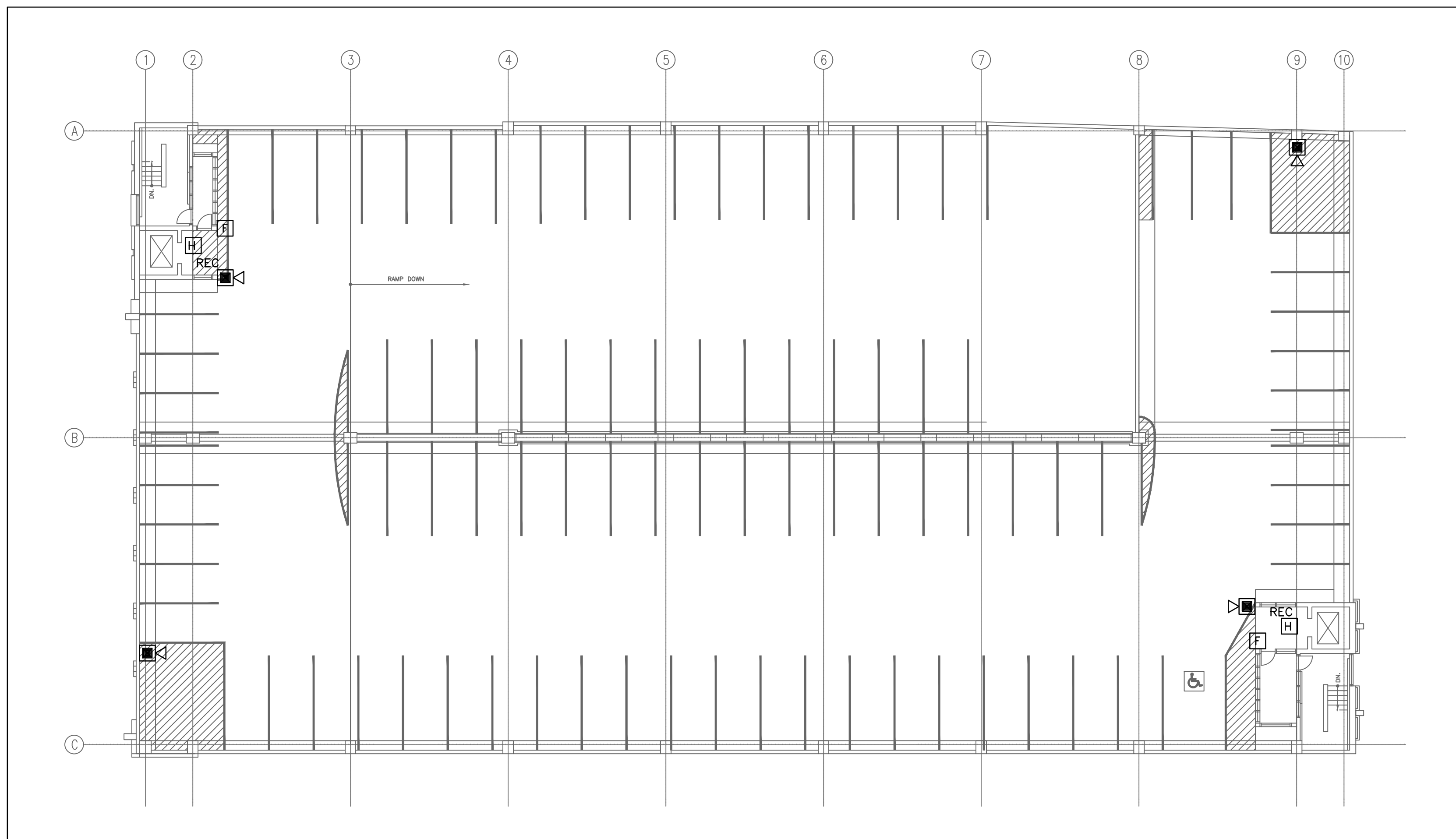
REVISIONS  
DRAWING TITLE  
**STATE STREET-  
ELECTRICAL  
PART PLANS**

DRAWING NO.  
**SS-E-1**

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHFA NO. 21-011  
DESIGN J.R.P. DRAWN J.R.P. CH'KD. R.R.B.

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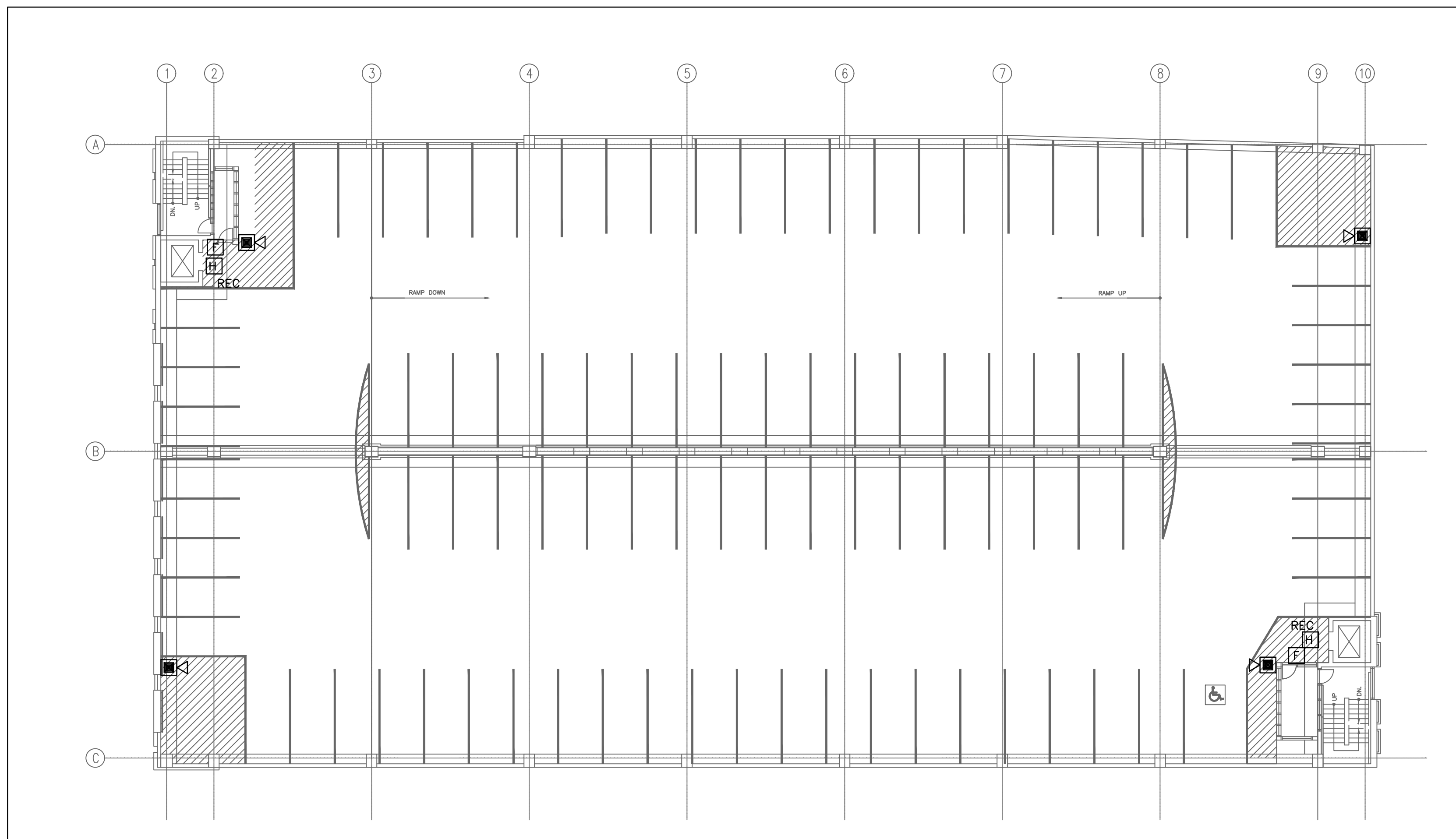




THIRD FLOOR FIRE ALARM PLAN

SCALE: 1/16" = 1'-0"

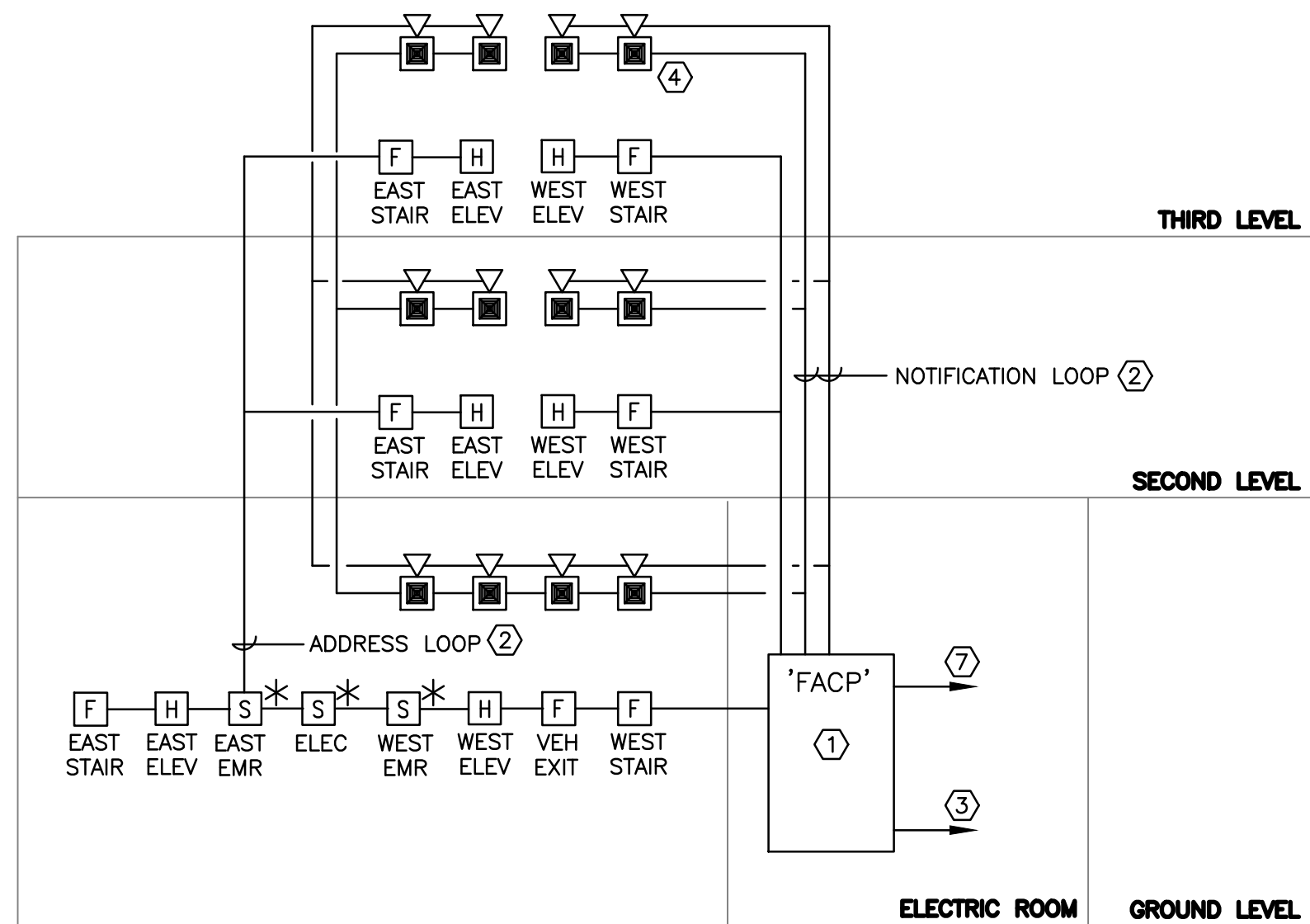
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SECOND FLOOR FIRE ALARM PLAN

SCALE: 1/16" = 1'-0"

2  
SS-E-2



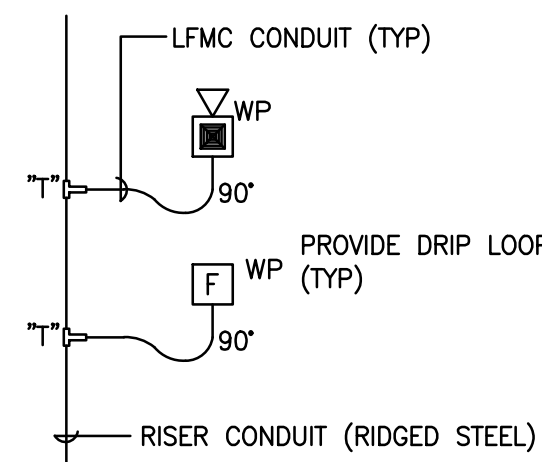
FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE

### FIRE ALARM RISER DIAGRAM

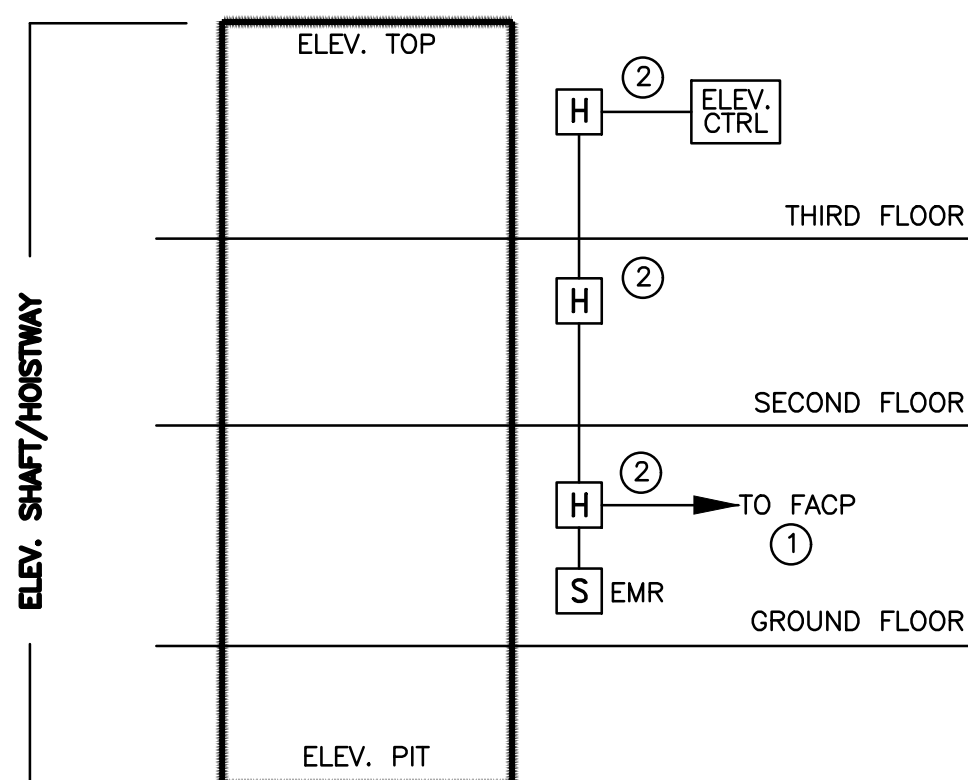
NTS

- NEW FIRE ALARM CONTROL PANEL. SEE SPECS FOR DETAILS.
- LOOP WIRING TO BE SIZED FOR VOLTAGE DROP FROM THE FACP. ALL WIRING TO BE PER SPECIFICATIONS AND MANUFACTURER'S REQUIREMENTS. ALL WIRING TO BE IN CONDUIT.
- PROVIDE 120V, 20A-1P BRANCH CIRCUIT (#6) FROM PANEL LP1. PROVIDE LOCKING CIRCUIT BREAKER FOR CONTROL PANEL CIRCUIT.
- FIRE ALARM HORN/STROBE UNITS THAT ARE MOUNTED ON ROOFTOP LIGHT POLES ARE TO BE SEALED WITH SILICONE ON THE TOP AND SIDES OF THE BOX TO ENSURE WEATHERPROOF RATING. INSTALL STROBES AT A MAXIMUM OF 8 FEET AFG.
- FURNISH DEVICES WITH ALL NECESSARY MATERIALS AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION TO BE FULLY OPERATIONAL. SIZE OF CONTROL PANEL SHALL HAVE SUFFICIENT CAPACITY FOR ALL DEVICES. PROVIDE BATTERY BOOSTER WHERE REQUIRED.
- FIRE ALARM CONTRACTOR TO PROVIDE END OF LINE RESISTORS AT END OF LOOPS.
- ALL STROBES ARE TO BE SYNCHRONIZED. PROVIDE SYNC MODULES.
- MOUNTING HEIGHTS TO CENTER OF BACK BOX:
  - HORN/STROBES AND STROBE LIGHTS - 84" AFF OR 12" BELOW CEILING (WHICHEVER IS LOWER). HEIGHT ALSO APPLICABLE FOR POLE MOUNTED STROBES ON ROOF.
  - PULL STATIONS - 48" AFF
- EXACT LOCATIONS OF FIRE ALARM DEVICES TO BE COORDINATED IN FIELD AND ARE NOT TO CONFLICT WITH ANY OTHER TRADES.
- PAINT ALL J-BOX COVERS IN RED AND LABEL AS "FIRE ALARM".
- FURNISH DETECTORS WITH MANUFACTURER'S BASES.
- PROVIDE ONE-LINE DIAGRAM PRODUCED BY MANUFACTURER'S AGENT/REP. ALL FIRE ALARM DEVICES SHALL BE MANUFACTURED AND LISTED FOR USE WITH THE PANEL.
- ANY SURFACE MOUNTED DEVICES TO BE FURNISHED WITH MANUFACTURER'S SKIRT TRIM, BACK BOX AND SURFACE MOUNTING KIT.
- ALL DEVICES SHALL BE SUITABLE FOR WET LOCATIONS AND RATED FOR OUTDOOR USE. THESE DEVICES TO BE FULLY GASKETED.
- ALL PULL STATIONS AND SPEAKER STROBES ARE TO BE FED FROM THE BOTTOM OF THE DEVICE. DRIP LOOPS FROM LFMC CONDUIT ARE TO BE PROVIDED AT EACH DEVICE TO PREVENT MOISTURE FROM ENTERING. REFER TO MOUNTING DETAIL ON THIS SHEET.
- FIRE ALARM INITIATING DEVICES WHICH ARE LOCATED OUTSIDE OF TEMPERATURE CONTROLLED AREAS ARE TO BE NON-ADDRESSABLE.
- FINAL ACCEPTANCE TESTING SHALL BE CONDUCTED PRIOR TO ISSUANCE OF CO PER NFPA 72.14.4.1.



TYPICAL MOUNTING FOR GARAGE AREA FOR ADDITIONAL PROTECTION FROM MOISTURE

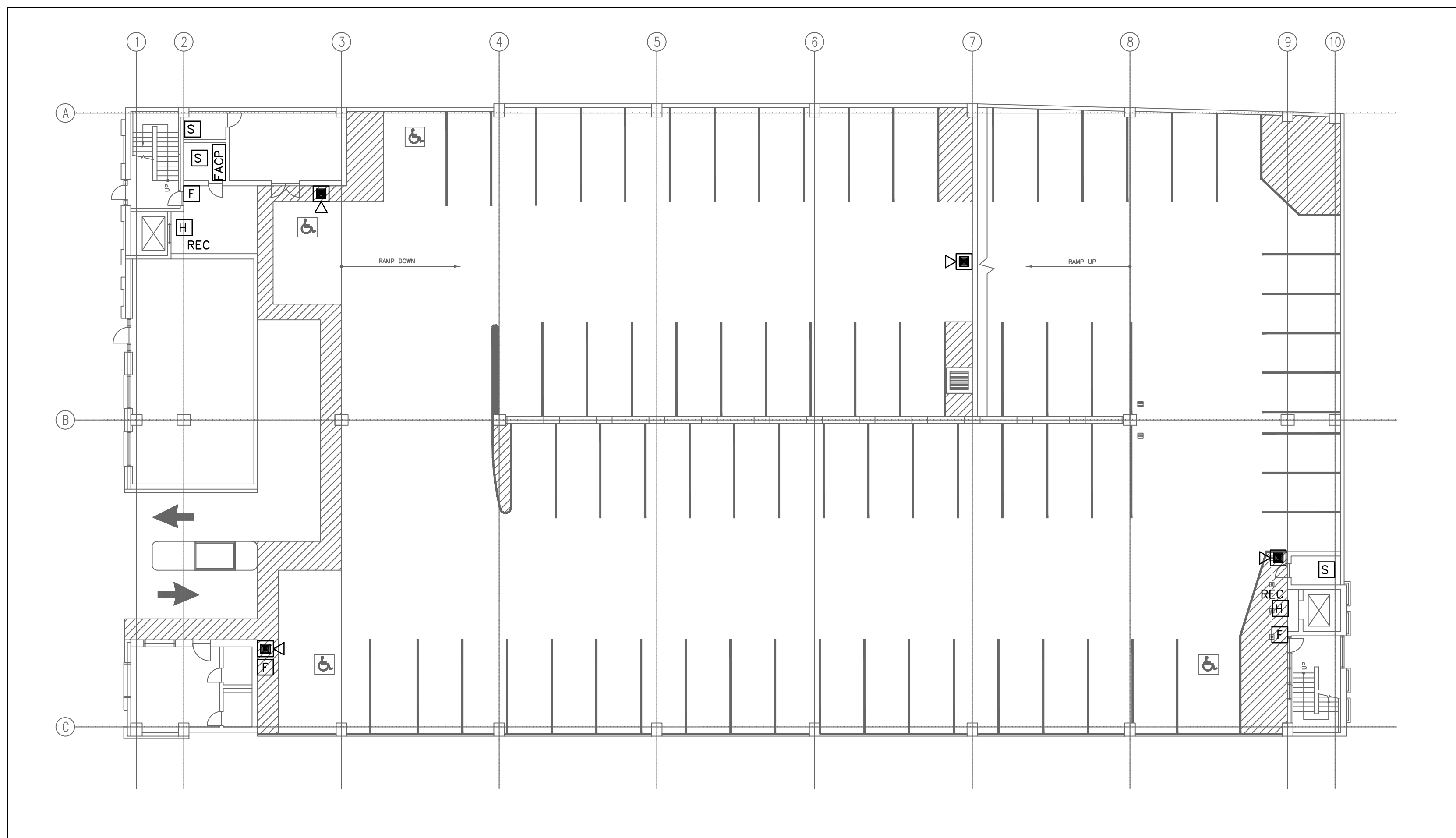
NTS



SCHEMATIC WIRING DIAGRAM ELEVATOR RECALL SMOKE DETECTORS

NTS

- TIE INTO FIRE ALARM CONTROL PANEL LOCATED IN ELECTRICAL ROOM 001.
- PROVIDE ELEV. RECALL HEAT DETECTORS TO BE INSTALLED IN ELEV. SHAFT (TOP) AND AT EACH ELEV. DOOR OPENING ON EACH LEVEL/LANDING. DETECTORS ARE TO BE NON-ADDRESSABLE WITH ADDRESSABLE MODULE FOR EACH.
- ALL WIRING PER FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS.
- TYPICAL DEVICES SHOWN. REFER TO DWGS FOR QUANTITY.
- COORDINATE ADDITIONAL REQUIREMENTS WITH ELEV. AND FIRE ALARM MANUFACTURERS AND CONTRACTORS.
- THREE SEPARATE "SIGNALS" TO BE PROVIDED:
  - ONE (1) FOR TYPICAL LOBBY DETECTOR(S)
  - ONE (1) FOR DESIGNATED LEVEL LOBBY DETECTOR(S)
  - ONE (1) FOR THE SHAFT/HOISTWAY DETECTOR(S)



GROUND FLOOR FIRE ALARM PLAN

SCALE: 1/16" = 1'-0"

1  
SS-E-2

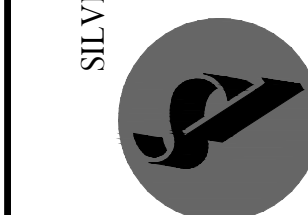
ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
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NEW HAVEN.

CONNECTICUT

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DESIGN  
Management

NO.	DATE	BY

REVISIONS  
DRAWING TITLE  
STATE STREET-  
FIRE ALARM PLANS

DRAWING NO.

SS-E-2

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHPA NO. 21-011  
DESIGN J.R.P. DRAWN J.R.P. CHK'D. R.R.B.

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LIGHTING FIXTURE SCHEDULE									
DESIGNATION	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	LAMP			ELECTRICAL			NOTES
			TYPE	COLOR TEMP	NO	DRIVER	VOLTAGE	WATTS	
B	2' LENGTH SURFACE MOUNT VAPORTIGHT LED WITH DAMAGE RESISTANCE ACRYLIC LENS	DAY-BRITE DWAE27L840-2-UNV-MD360W	LED	4000K	-	ELECTRONIC	UNIVERSAL	26	①②
C	4' LENGTH PENDANT LINEAR LED WITH FROSTED ACRYLIC LENS	DAY-BRITE FSH45SL840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	45	①②
EM	TWIN HEAD EMERGENCY WALL PACK	DAY-BRITE CLU2NW	LED	N/A	-	ELECTRONIC	UNIVERSAL	4.4	①②

#### NOTES

- FURNISH WITH ALL REQUIRED MOUNTING HARDWARE AND CONNECTING CABLE.
- ALL FIXTURES SHALL BE CAPABLE OF OPERATING IN COLD TEMP (0° F).

PANEL LP2													
RATINGS: 60A MCB 22,000 AIC SERVICE: 120/208V, 1 PH/4-WIRE						LOCATION: ELECTRICAL ROOM MOUNTING: SURFACE							
DESCRIPTION	NOTE	AMPS	TRIP AMP	POLE	CKT. TYP	CKT. NO.	A B	CKT. TYP	TRIP AMP	AMPS	NOTE	DESCRIPTION	
ELEV. #1 PIT LIGHTING		1	20	1	A	1	+	2	A	1	20	1	ELEV. #2 PIT LIGHTING
ELEV. #1 PIT RECEPTACLE		1.6	20	1	A	3	+	4	A	1	20	1.6	ELEV. #2 PIT RECEPTACLE
M.R. #1 LIGHTING		1	20	1	A	5	+	6	A	1	20	1	M.R. #2 LIGHTING
M.R. #1 RECEPTACLE		1.6	20	1	A	7	+	8	A	1	20	1.6	M.R. #2 RECEPTACLE
EF-1		6	20	1	A	9	+	10	A	1	20	6	EF-2
CU-1/AC-1		15	20	2	B	11	+	12	B	2	25	19	CU-2/AC-2
		15				13	+	14				19	
FACP	①	2	20	1	A	15	+	16	-	1	20	0	SPARE
SPARE		0	20	1	-	17	+	18	-	1	20	0	SPARE
SPARE		0	20	1	-	19	+	20	-	1	20	0	SPARE
SPARE		0	20	1	-	21	+	22	-	1	20	0	SPARE
SPARE		0	20	1	-	23	+	24	-	1	20	0	SPARE

NOTES:

- PROVIDE CB LOCK.
- UPGRADE WIRE SIZE AS REQUIRED TO MAINTAIN 3% MAXIMUM VOLTAGE DROP.
- TOTAL CONNECTED LOAD: PHASE A - 34.9 KVA BASED ON 48 AMPS/PHASE  
PHASE B - 48.9 KVA BASED ON 48 AMPS/PHASE
- CIRCUIT TYPE A: 120V, 3 WIRE IN CONDUIT OR MC CABLE.
- CIRCUIT TYPE B: 208V, 1Ø, 4 WIRE IN CONDUIT OR MC CABLE.

#### ELECTRICAL LEGEND

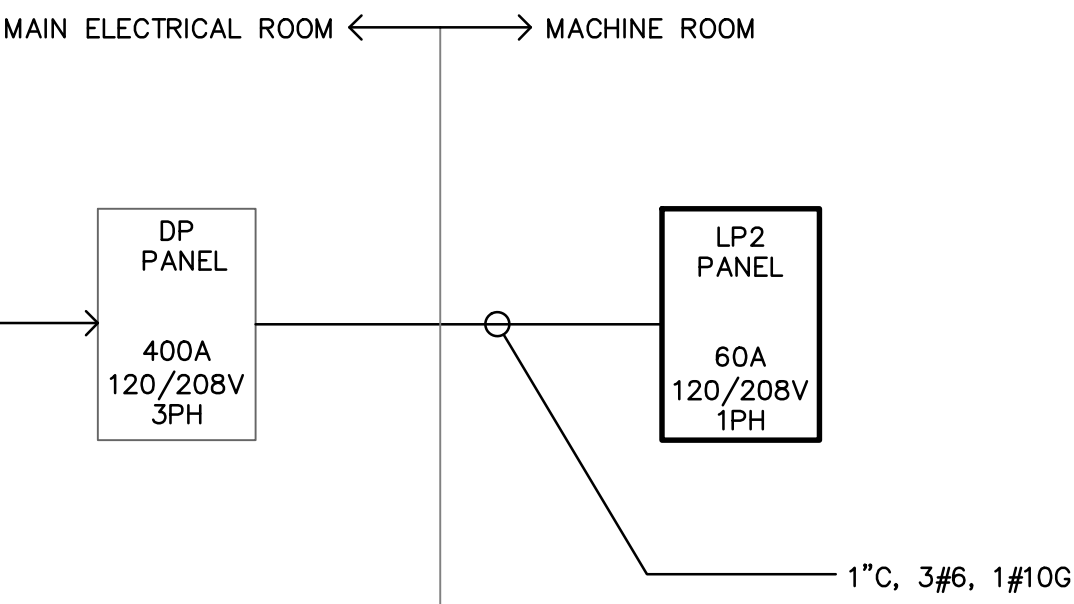
- EXISTING PANELBOARD SURFACE MOUNTED RATED FOR 120/208V-3PH.
- NEW PANELBOARD SURFACE MOUNTED RATED FOR 120/208V-3PH.
- FUSED DISCONNECT SWITCH.
- NON-FUSED DISCONNECT SWITCH.
- DUPLEX RECEPTACLE.
- DUPLEX GROUND FAULT RECEPTACLE MOUNT 48" A.F.F.
- WALL MOUNTED LIGHT FIXTURE.
- SUSPENDED LINEAR WALL MOUNTED LIGHT FIXTURE
- SINGLE-POLE SWITCH; MOUNT AT 48" AFF.
- FIRE ALARM SHUNT TRIP HEAT DETECTOR.
- FIRE ALARM SMOKE DETECTOR.
- CONDUIT AND WIRE
- CONDUIT AND WIRE, SWITCHED
- BRANCH CIRCUIT HOMERUN.

#### ABBREVIATION

- G GROUND FAULT INTERRUPTER
- WP WEATHERPROOF

#### GENERAL NOTES

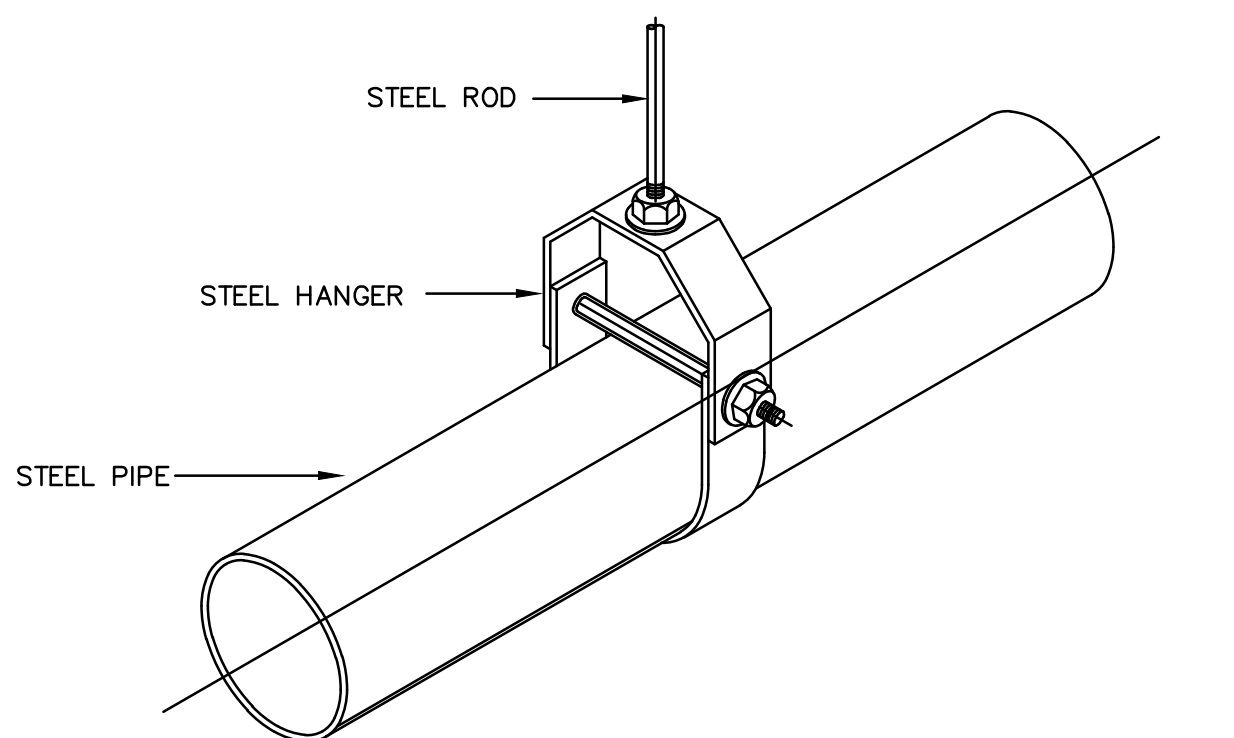
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NEC AND APPLICABLE LOCAL CODES.
- THIS IS AN EXISTING BUILDING. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
- THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
- DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND/OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
- ELECTRICAL CONTRACTOR SHALL GIVE OWNER SEVEN (7) DAYS ADVANCE NOTICE OF SHUTDOWNS. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
- ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
- THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
- THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
- ALL THE WIRE SIZES ARE BASED ON COPPER; ALUMINUM IS NOT TO BE USED.
- ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
- PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER INTERNATIONAL BUILDING CODE.
- ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES.
- ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER. ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
- PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHTING FIXTURES, PANELS, SWITCHES, RECEPTACLES, ETC.
- ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
- COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ELEVATOR AND MECHANICAL PLANS. MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. VERIFY WITH OWNER.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH ELEVATOR INSTALLER AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT FOR ELECTRICAL WORK.
- ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
- SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
- THE DISPOSAL OF ALL UNUSED EXISTING ELECTRICAL EQUIPMENT REMOVED IS A PART OF THE SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL SUCH EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS, CURRENT ISSUE.
- SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
- PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT IN ABSENT OF SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
- ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO (2), THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
- FOR ALL GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTACLE FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, FUSED, WEATHER PROOF (WP) DEVICES.
- NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
- FURNISH & INSTALL GFCI RECEPTACLES IN ALL WET LOCATIONS.
- PROVIDE PULL STRINGS IN ALL EMPTY RACEWAYS.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
- MINIMUM CONDUCTOR SIZE, UNLESS OTHERWISE NOTED SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 100 FEET, #10; OVER 150 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
- ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION, ETC. TO INSURE COMPATIBILITY OF EQUIPMENT.
- NO PENETRATIONS ARE ALLOWED INTO STAIR ENCLOSURES EXCEPT AS REQUIRED FOR SERVICES UTILIZED IN THE STAIR.
- REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH BASE BUILDING ELECTRICIAN.
- PRODUCTS SHALL NOT BE INSTALLED IN PROMINENT LOCATIONS UNLESS NO ALTERNATIVE EXISTS. ITEMS SHALL BE CENTERED ON WALL OR CEILING TREATMENT AND ON ONE ANOTHER AS APPLICABLE. THIS INCLUDES BUT IS NOT LIMITED TO ACCESS PANELS, LIGHTING FIXTURES, SWITCHES, THERMOSTATS, FIRE ALARM DEVICES, EXIT SIGNS, ELECTRICAL PANELS, AND ANNUNCIATOR PANELS OF ANY KIND.
- ELECTRICAL CONDUITS & BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE.
- INSTALLATIONS ON EXISTING WALLS SHALL BE RUN WITH SURFACE RACEWAY PAINTED TO MATCH WALL FINISH AND SURFACE BOXES. USE METAL WIREMOLD FOR INSTALLATIONS WITHIN OCCUPIED AREAS.
- POWER RECEPTACLES COVER PLATES SHALL BE LABELED WITH DESIGNATED PANEL AND CIRCUIT NUMBER SERVING UNIT.



#### ONE-LINE RISER DIAGRAM

NOT TO SCALE

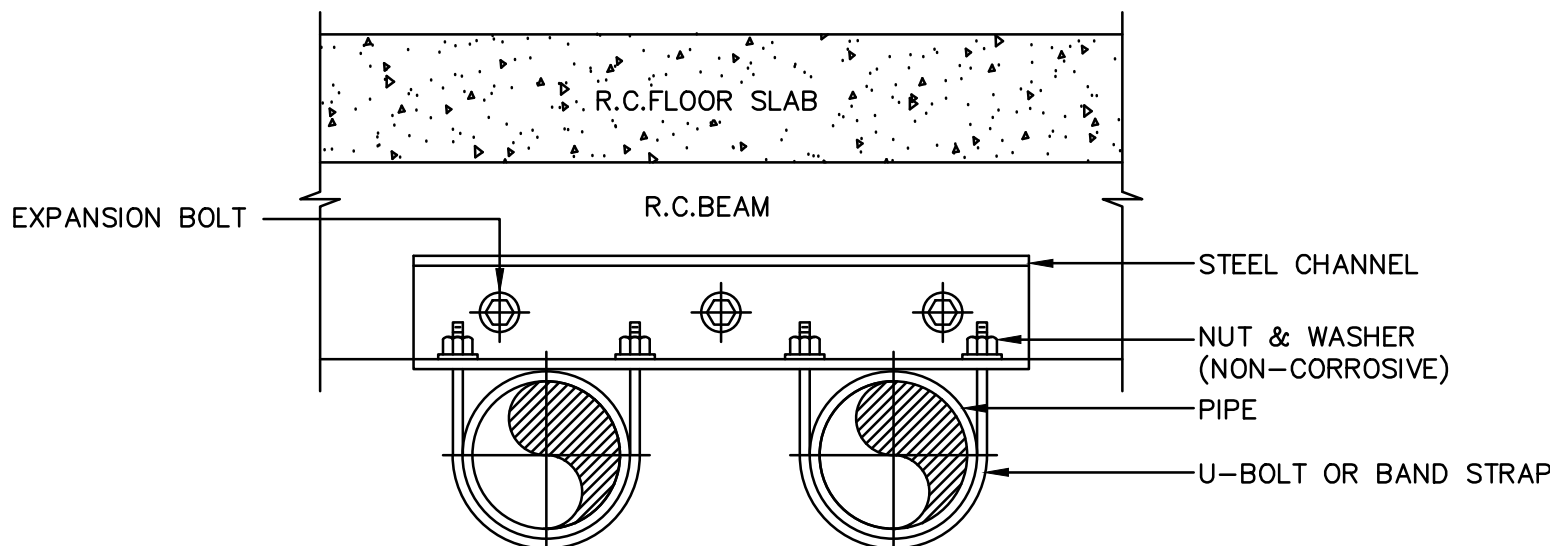
4  
SS-E-3



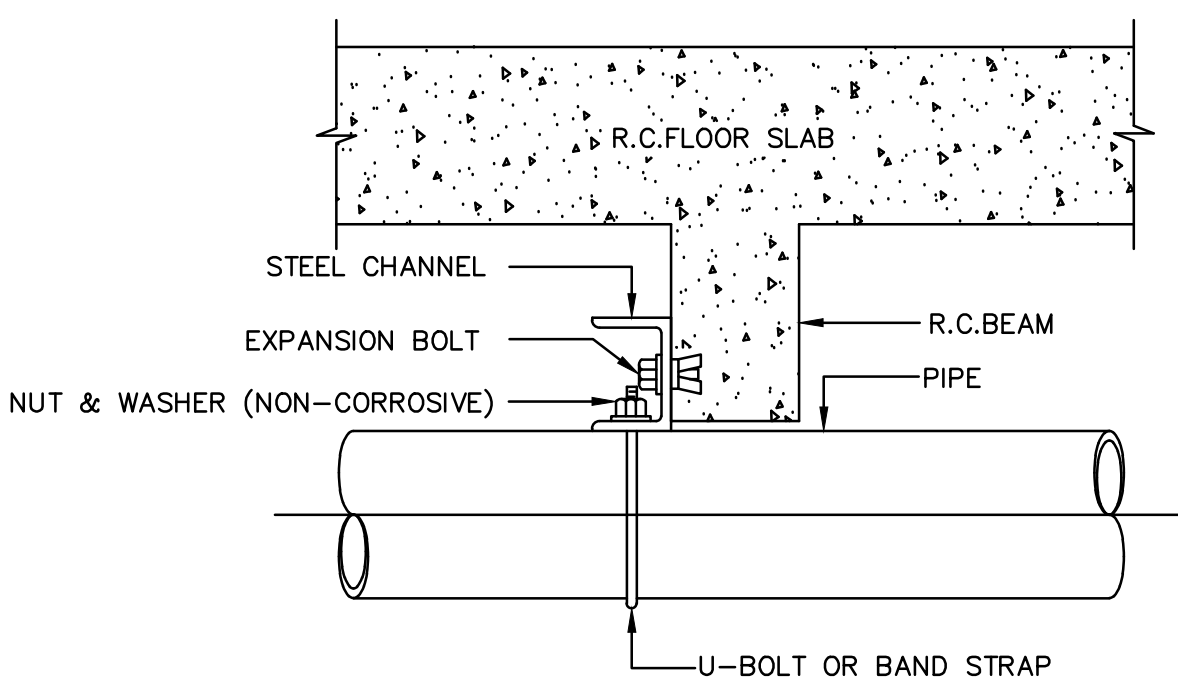
PIPE HANGER DETAIL

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1  
SS-E-3



#### END VIEW

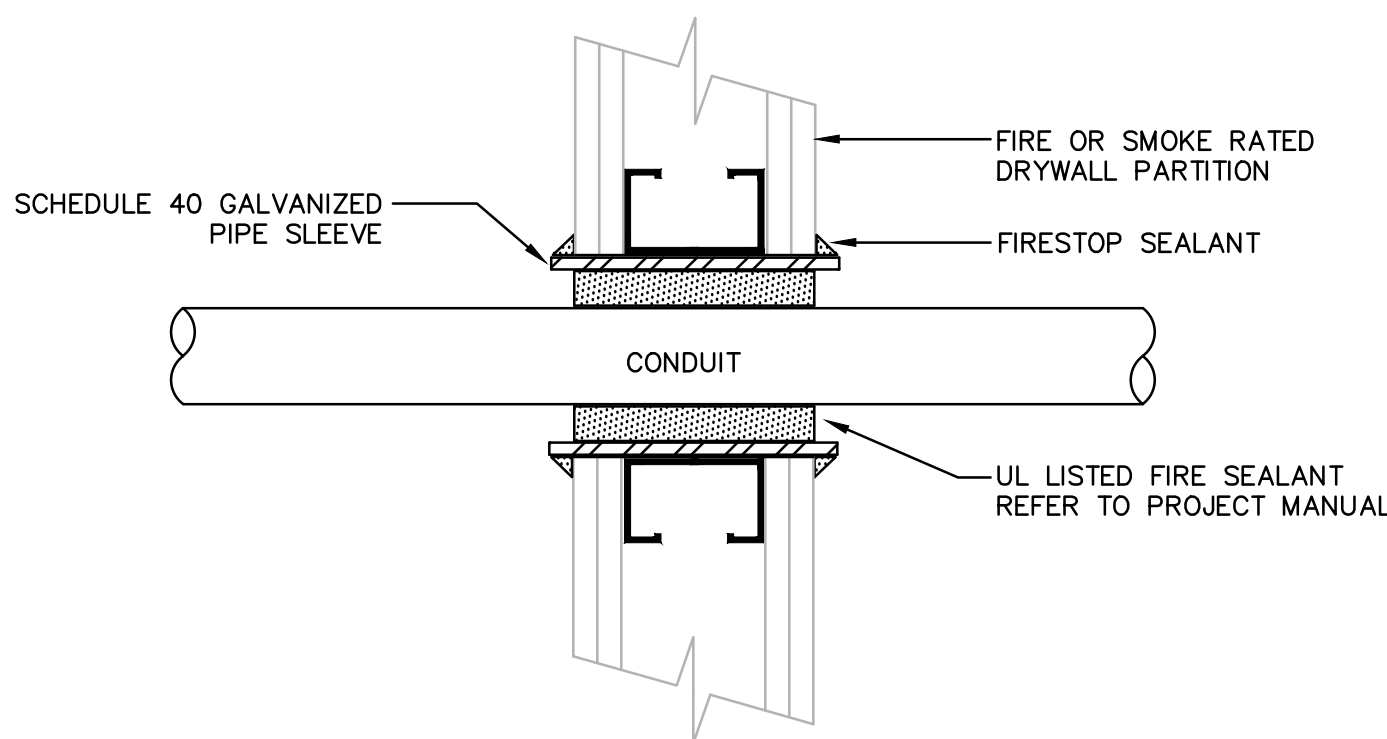


#### ELEVATION

PIPE HANGER FROM BEAM

NOT TO SCALE

2  
SS-E-3



WALL/FLOOR PENETRATION  
W/FIRE-SMOKE SEAL DETAIL

NOT TO SCALE

#### GENERAL NOTES:

- PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/UL1479, ASTM E 814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.
- FIRESTOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL/FLOOR BEING PENETRATED - SEE PROJECT MANUAL. REFER TO DRAWINGS FOR WALL/FLOOR RATINGS AND LOCATIONS.

3  
SS-E-3

#### ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE

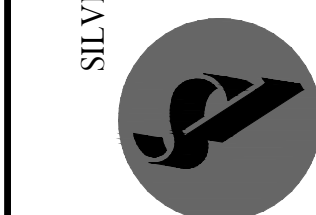
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES

NEW HAVEN.

CONNECTICUT

SILVER / PETRUCELLI + ASSOCIATES  
Architects and Engineers

3100 Whitney Avenue, Hamden, CT 06518-2340  
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silverpetr@pcell.com



DESIGN  
Design Management

NO.	DATE	BY

REVISIONS  
DRAWING TITLE  
STATE STREET-  
ELECTRICAL LEGEND,  
DETAIL AND GEN.  
NOTES

DRAWING NO.

SS-E-3

SCALE: AS NOTED

DATE: JULY 2025

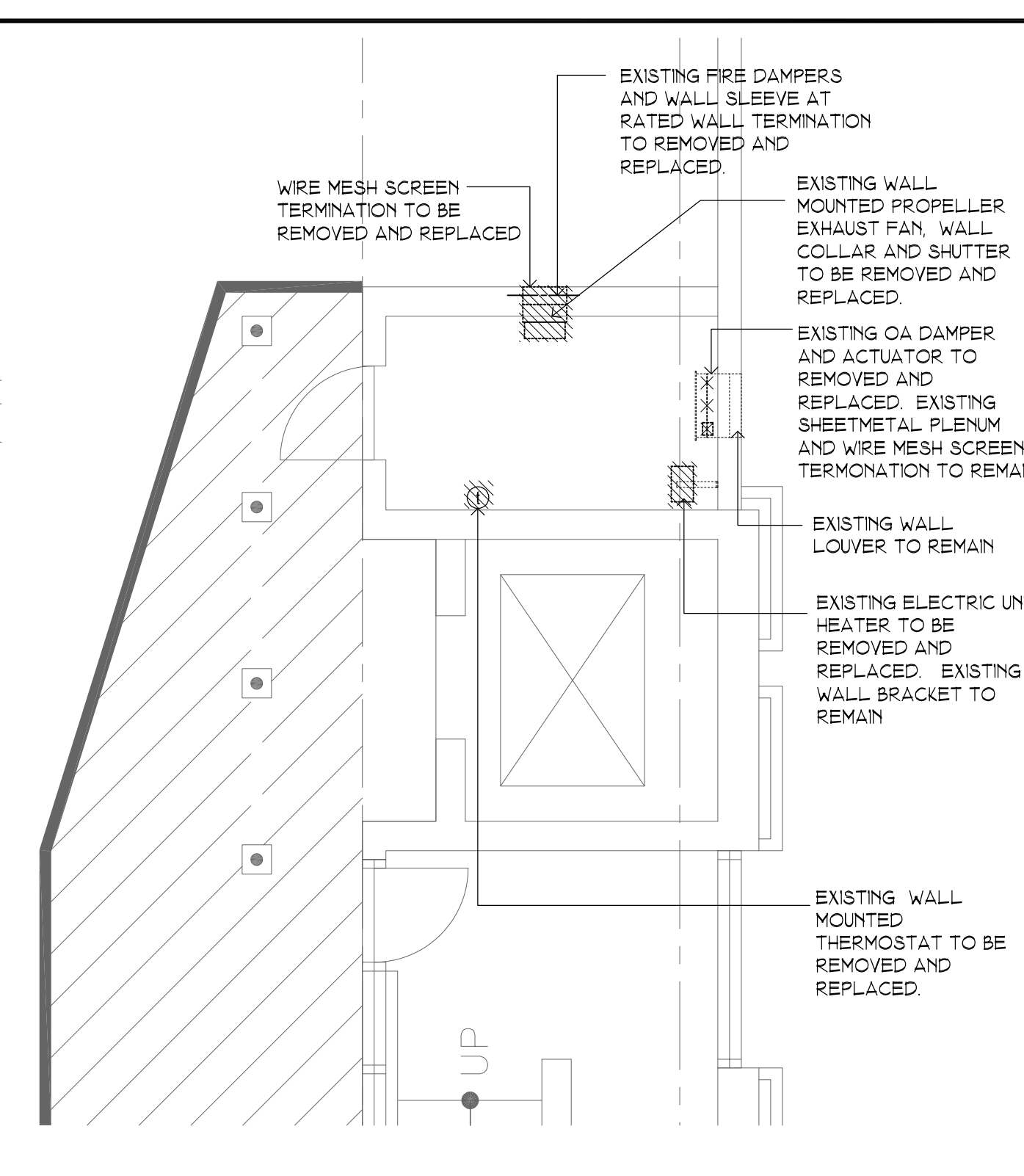
PROJECT NO. 20-20176.00-2

NHPA NO. 21-011


DESIGN  
J.R.P. J.R.P. CHYD.  
R.R.B. R.R.B.

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





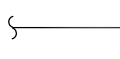
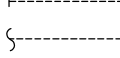



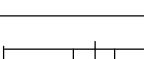

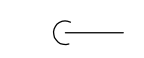






A circular logo with a horizontal line. Above the line is the number '1'. Below the line is the text 'SS-M-1'.



## DEMOLITION LEGEND


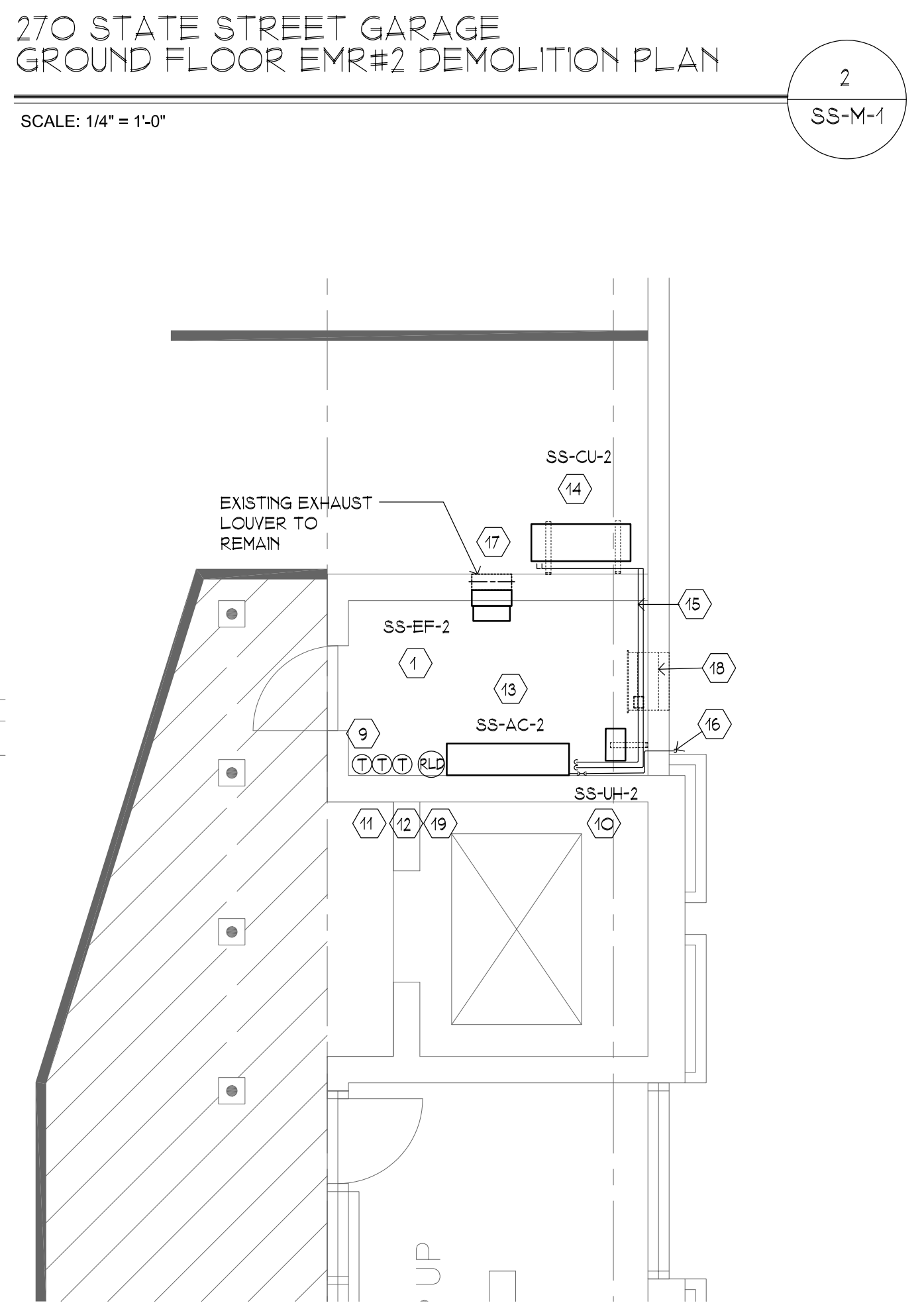
SYMBOL	DESCRIPTION
 OR 	EXISTING EQUIPMENT TO BE REMOVED
 OR 	EXISTING PIPING OR EQUIPMENT TO BE REMOVED
	EXISTING TO REMAIN

<b>SYMBOL LEGEND</b> (NOT ALL SYMBOLS ARE USED)	
	REFERENCE NUMBER INDICATES NOTE
	EXISTING PIPING OR EQUIPMENT
	EXISTING PIPING OR EQUIPMENT
	FLEXIBLE DUCT CONNECTION
	POINT OF CONNECTION
	TRANSITION
	MOTORIZED DAMPER
	FIRE DAMPER
	FIRE DAMPER WITH ACCESS DOOR
	THERMOSTAT/SENSOR
	PIPE ELBOW, TURNED DOWN
	PIPE COUPLING (JOINT)
	REFRIGERANT LEAK DETECTOR

1. THE INTENT OF THESE CONTRACT DOCUMENTS IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE HVAC SYSTEMS. ALL SYSTEMS SHALL BE COMPLETED IN ALL RESPECTS. OPERATING, TESTED, ADJUSTED, APPROVED BY THE STATE OF ILLINOIS, HAVING JURISDICTION AND READY FOR BENEFICIAL USE BY THE OWNER.
2. THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS OF ALL TRADES BEFORE SUBMITTING TO REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS INCLUDING ALL EQUIPMENT SCHEDULES FOR MECHANICAL AND ELECTRICAL INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING PRIOR TO SUBMITTING.
3. ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO FORM A TOTAL DESIGN PACKAGE IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE. THE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.
4. ALL WORK AND ACTION DEPICTED AND DESCRIBED IN CONTRACT DOCUMENTS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
5. THE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED FOR INSTALLATION ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
6. WHEN CONFLICTS OCCUR BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL CARRY AS PART OF THE BD THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT. SPECIAL CONDITIONS AND THE DISCREPANCIES OF ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND LAWS.

ABBREVIATIONS (NOT ALL SYMBOLS ARE USED)	
AC-#	INDOOR AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CUH	CABINET UNIT HEATER
DB	DRY BULB
DD	DIRECT DRIVE
EFF-#	EXHAUST FAN
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EMR	ELEVATOR MACHINE ROOM
EUH-#	ELECTRIC UNIT HEATER
EX	EXISTING
EXH	EXHAUST
F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPERES
FT	FEET
GC	GENERAL CONTRACTOR
HP	HORSEPOWER
HTG	HEATING
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
MBH	1000 BTUS
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
OA	OUTSIDE AIR
OAT	OUTDOOR AIR TEMPERATURE
PH	PHASE
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE
SQ FT	SQUARE FOOT (AREA)
ST	SINGLE POLE SWITCH
SW	W/THERMAL OVERLOAD
SWR	SIDE WALL REGISTER
T	THERMOSTAT
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOT	TOTAL
TP	TYPICAL
W/	WITH
WB	WET BULB
WMS	WIRE MESH SCREEN
WT	WEIGHT (LBS)

1. THE EXISTING CONDITIONS REPRESENTED HEREON ARE BASED ON GENERAL LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THIS DRAWING FOR CONTRACTOR'S REFERENCE ONLY. ACTUAL LOCATION AND SIZE OF EQUIPMENT AND UTILITIES AND EXTENT OF EXISTING UTILITIES, PIPING AND EXTENT OF PIPING LENGTH AND ROUTING AND UTILITIES MAY VARY IN FIELD. MECHANICAL CONTRACTOR SHALL VERIFY LOCATIONS IN FIELD AND MAKE ALL ALLOWANCES FOR SUCH CONDITIONS AND ARRANGEMENTS OTHER THAN SHOWN.
2. THE DEMOLITION NOTES ARE FOR DESCRIPTIVE GUIDE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING UTILITIES NOT INDICATED AND/ OR NOTED ON THE DRAWINGS. INCLUSION OF THESE EXISTING CONDITIONS HEREON SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS.
3. REMOVE MOODY AND REPLACE EXISTING SYSTEMS AS REQUIRED FOR THE INSTALLATION OF NEW HVAC SYSTEMS. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY PIECE OF EQUIPMENT, PIPING OR CONDUIT TO BE REMOVED. EQUIPMENT NOT BEING USED SHALL BE REMOVED INCLUDING ALL PIPING, DUCTWORK, HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES AND CONTROLS BACK TO THE POINT OF ORIGIN.
4. ALL WASTE MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE AND SHALL BE LEGALLY DISPOSED BY THE CONTRACTOR.



1. NUMBERED NOTES ARE APPLICABLE TO DRAWING SHEET ONLY
2. NEW EXHAUST FAN SUSPENDED FROM EXISTING BRACKET. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS CONNECT TO EXISTING EXHAUST DUCTWORK. VERIFY EXISTING DUCTWORK SIZE IN FIELD. PROVIDE TRANSITION AS REQUIRED.
3. 24X2 STATIC FRIE DAMPER WITH INTEGRAL SLEEVE UL 555 CLASSIFIED -1/2 HZ RATING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CUT, PATCH AND REPAIR WALL OPENING AS REQUIRED. PROVIDE FIRESTOP AT WALL PENETRATION.
4. 24X2 OUTSIDE AIR DUCT WORK PROVIDE WITH 12X12 ACCESS DOOR.
5. NEW 24X12 OUTSIDE AIR DAMPER WITH MOTORIZED DAMPER. PROVIDE WITH HSV ACTUATOR. INTERLOCK ACTUATOR WITH EXHAUST FAN CONTROLLER. ALL INTERLOCK DEVICES AND WIRING TO PERFORM THE SEQUENCE OF OPERATION SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. REFER TO SEQUENCE OF OPERATION.
6. GENERAL LOCATION OF NEW DUCTWORK CONNECTION TO EXISTING. VERIFY EXISTING DUCTWORK EXACT DIMENSION. PROVIDE TRANSITION AS REQUIRED.
7. NEW FLANGED WIRE MESH SCREEN AT WALL TERMINATION. SIZE SHALL BE THE SAME AS DUCTWORK SIZE.
8. 12 X12 STATIC FRIE DAMPER WITH INTEGRAL SLEEVE UL 555 CLASSIFIED -1/2 HZ RATING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CUT, PATCH AND REPAIR WALL OPENING AS REQUIRED. PROVIDE FIRESTOP AT WALL PENETRATION.
9. 24X2 EXHAUST AIR DUCT WORK PROVIDE WITH 10X10 ACCESS DOOR.
10. WIRED WALL MOUNTED DUCTLESS SPLIT SYSTEM CONTROLLER. PROVIDE WITH INTERLOCK WIRING.
11. ELECTRIC UNIT HEATER SUSPENDED FROM EXISTING BRACKET.
12. WALL MOUNTED THERMOSTAT. INTERLOCK WITH ELECTRIC UNIT HEATER.
13. PROVIDE WITH TEMPERATURE CONTROLLER LOREN CO. MODEL VFTC AND VARIFLOW AIR BALANCE KIT (VFAK) OR EQUIVALENT. PROVIDE VFAK WITH 24V-OLT TRANSFORMER. CONTROLLER WILL BE INTERLOCKED WITH EXHAUST FAN AND THE 24V MOTORIZED DAMPER. PROVIDE ALL REQUIRED DEVICES AND INTERLOCK WIRINGS.
14. DUCTLESS SPLIT WALL MOUNTED INDOOR UNIT. BOTTOM OF UNIT SHALL BE AT 8'-0" AFF MINIMUM TO CLEAR EXISTING ELECTRICAL CONDUIT. PROVIDE WITH WALL BRACKET. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.
15. SEEWALL MOUNTED CONDENSING UNIT. PROVIDE WITH MOUNTING BRACKET. SUITED FOR THE NEW CONDENSING UNIT SIZE AND WEIGHT. MOUNT TOP ELEVATION OF CONDENSING UNIT 6 INCHES BELOW FIRE PROTECTION PILING. COORDINATE HEIGHT OF MOUNTING BRACKET.
16. INSULATED LIQUID AND GAS REFRIGERATION PIPING FROM INDOOR UNIT TO OUTDOOR UNIT. PROVIDE FIRESTOP CALLING AT RATED WALL PENETRATION. COORDINATE ROUTING IN FIELD.
17. GENERAL LOCATION OF CONDENSATE DRAIN PIPING FROM INDOOR UNIT ROUNG ALONG WALL. CONTRACTOR TO PROVIDE THE REQUIRED PITCH FOR GRAVITY DRAIN CONNECTION. COORDINATE IN FIELD. CONDENSATE DRAININGS SHALL BE PIPED TOWARDS THE WALL TERMINATION. COORDINATE SLOPE IN FIELD.
18. 14 X14 STATIC FRIE DAMPER WITH INTEGRAL SLEEVE UL 555 CLASSIFIED -1/2 HZ RATING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CUT, PATCH AND REPAIR WALL OPENING AS REQUIRED. PROVIDE FIRESTOP AT WALL PENETRATION.
19. EXISTING NTAKE LOUVER TO REMAIN. PROVIDE NEW MOTORIZED DAMPER AND ACTUATOR. COORDINATE EXACT SIZE IN FIELD.
20. WALL MOUNTED REFRIGERANT LEAK DETECTOR. MOUNT AT 9' AFF. INTERLOCK EXHAUST FAN ON DAMPER AND ELECTRIC UNIT HEATER. REFER TO 23 OR 26 FOR SEQUENCE OF OPERATION.

ELECTRIC UNIT HEATER SCHEDULE						BASED ON QMAR	
SYMBOL	LOCATION	CFM	HEATING CAPACITY kW	ELECTRICAL DATA VOLT./PH.	CONTROL VOLT.	MODEL	NOTES
33-EUH-1	GROUND FLOOR EMR #1	350	3.0	208/1	36	208	MH03-01 ( 1, 3
33-EUH-2	GROUND FLOOR EMR#2	350	3.0	208/1	36	208	MH03-01 ( 1, 3

NOTES

1. PROVIDE WITH AUTOMATIC RESET LINEAR THERMAL CUT-OUT CAPABILITY TO PROVIDE PROTECTION OVER ENTIRE LENGTH OF ELEMENTS

2. PROVIDE WITH WALL MOUNTED THERMIST

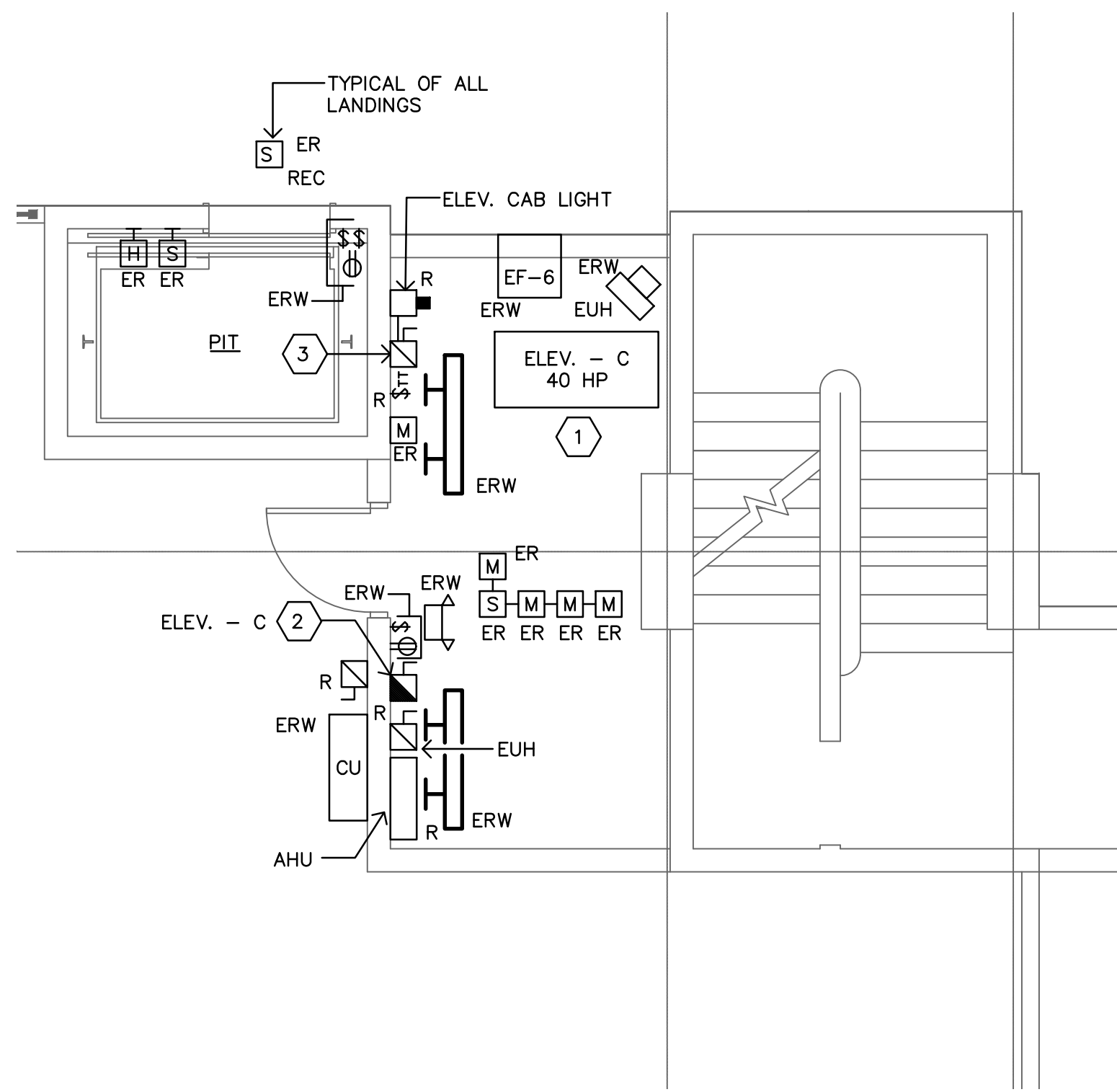
3. PROVIDE DISCONNECT SWITCH

EXHAUST FAN SCHEDULE					(BASED ON LOREN COOK)							
TAG	AREA SERVED	TYPE	CFM	STATIC PRESS (IN WG)	FAN RPM	ELECTRICAL VOLTS/ PH	MOTOR		MODEL	DAMPER ACTUATOR VOL-TAGE	NOTES	
							HP	ENCLOSURE		RPM		
SS-EF-1	GROUND FLOOR ENR #1	IN-LINE	800	0.20	1623	115/1	1/4	OPEN-EC	1725	100SQND-VF	115 V BACKRAFT DAMPER	1, 3, 4
SS-EF-2	GROUND FLOOR ENR#2	PROPELLER EXHAUST FAN	1200	0.125	1463	115/1	1/4	OPEN-EC	1725	12XWPD-EC	115 V SHUTTER	2, 3, 4

NOTES:

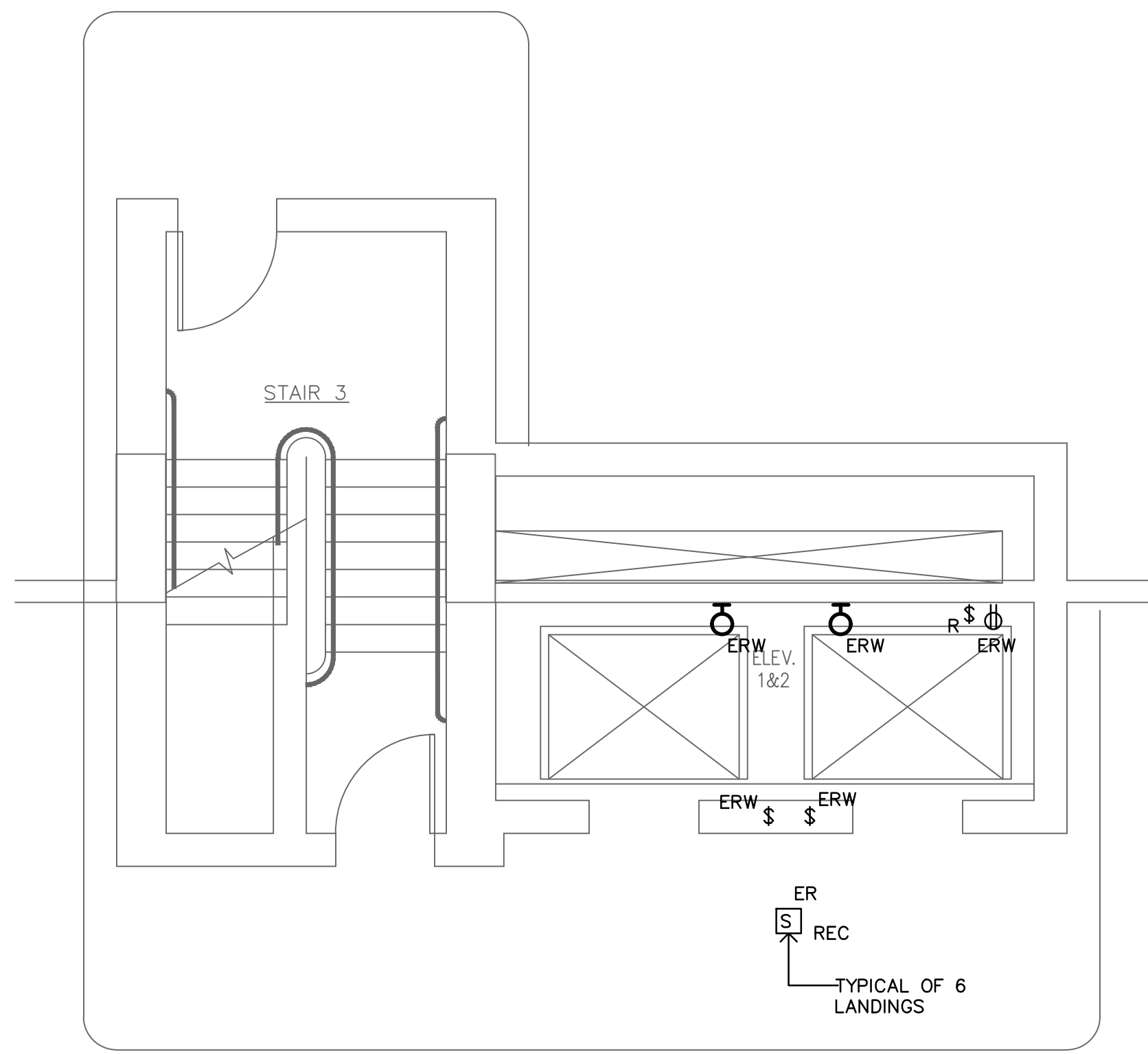
1. DIRECT DRIVE IN-LINE EXHAUST FAN PROVIDE WITH DISCONNECT SWITCH FAN HOUSING WITH 0.5-INCH THICK INSULATION EC MOTOR, MOTORIZED BACKRAFT DAMPER.
2. DIRECT DRIVE PROPELLER FAN PROVIDE WITH DISCONNECT SWITCH, EC MOTOR, MOTORIZED SHUTTER AND WALL COLLAR
3. PROVIDE WITH TEMPERATURE CONTROLLER LOREN COOK MODEL VFTC AND VARIFLOW AIR BALANCE KIT (VFABK) PROVIDE VFABK WITH 24-VOLT TRANSFORMER. INTERLOCK WITH THE EXHAUST FAN AND THE OA MOTORIZED DAMPER. CONTRACTOR TO PROVIDE ENCLOSURE AND ALL REQUIRED DEVICES AND INTERLOCK WIRINGS.
4. INTERLOCK WITH CONTRACTOR PROVIDE REFRIGERANT LEAK DETECTOR. LEAK DETECTOR SHALL BE EQUIVALENT TO BACHARACH MGS-450 SERIES. COORDINATE EXACT LOCATION IN FIELD.





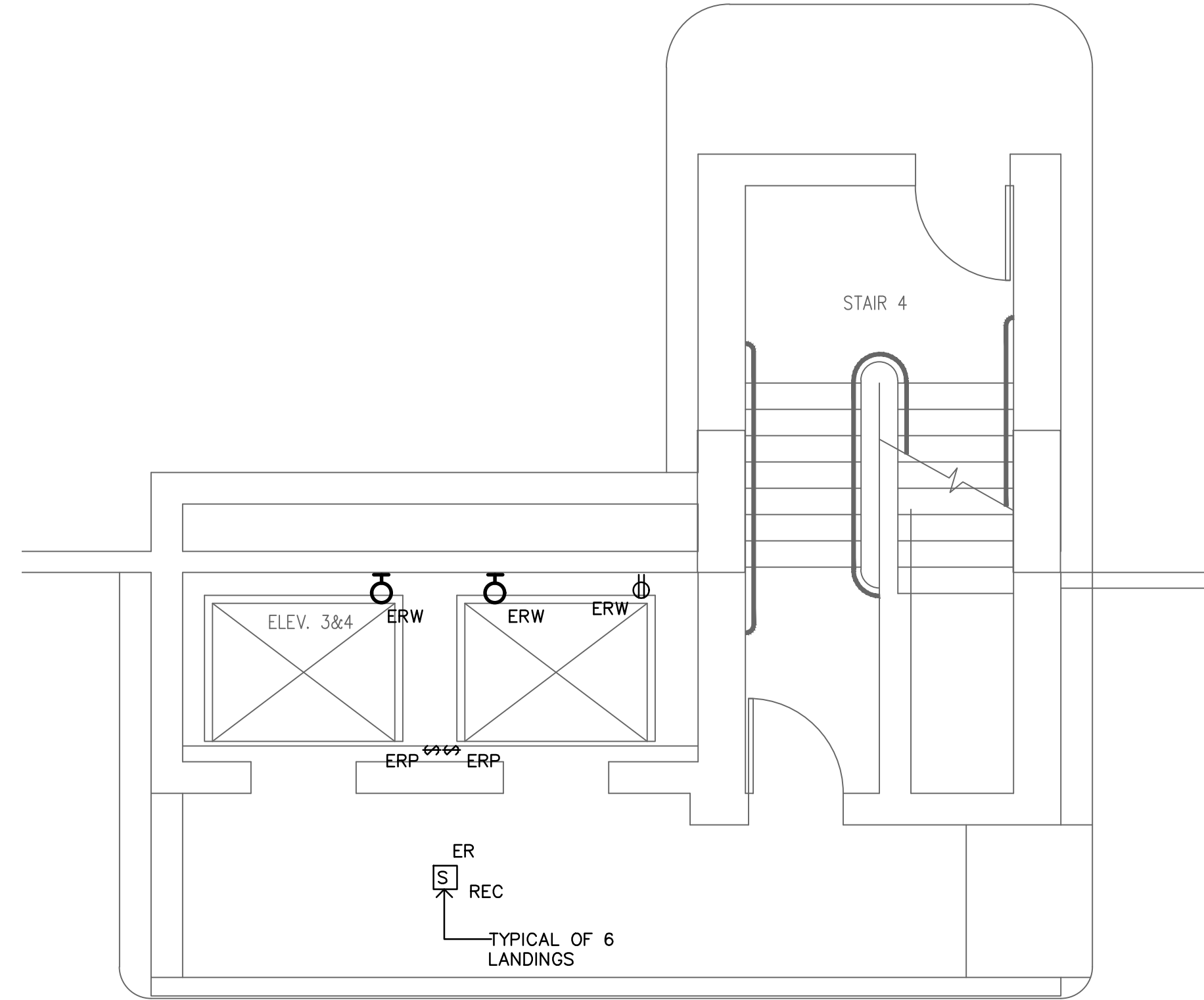
ELEVATOR - "C" GROUND LEVEL  
MACHINE ROOM ELECTRICAL DEMOLITION  
SCALE: 1/4" = 1'-0"

1  
TS-E-1



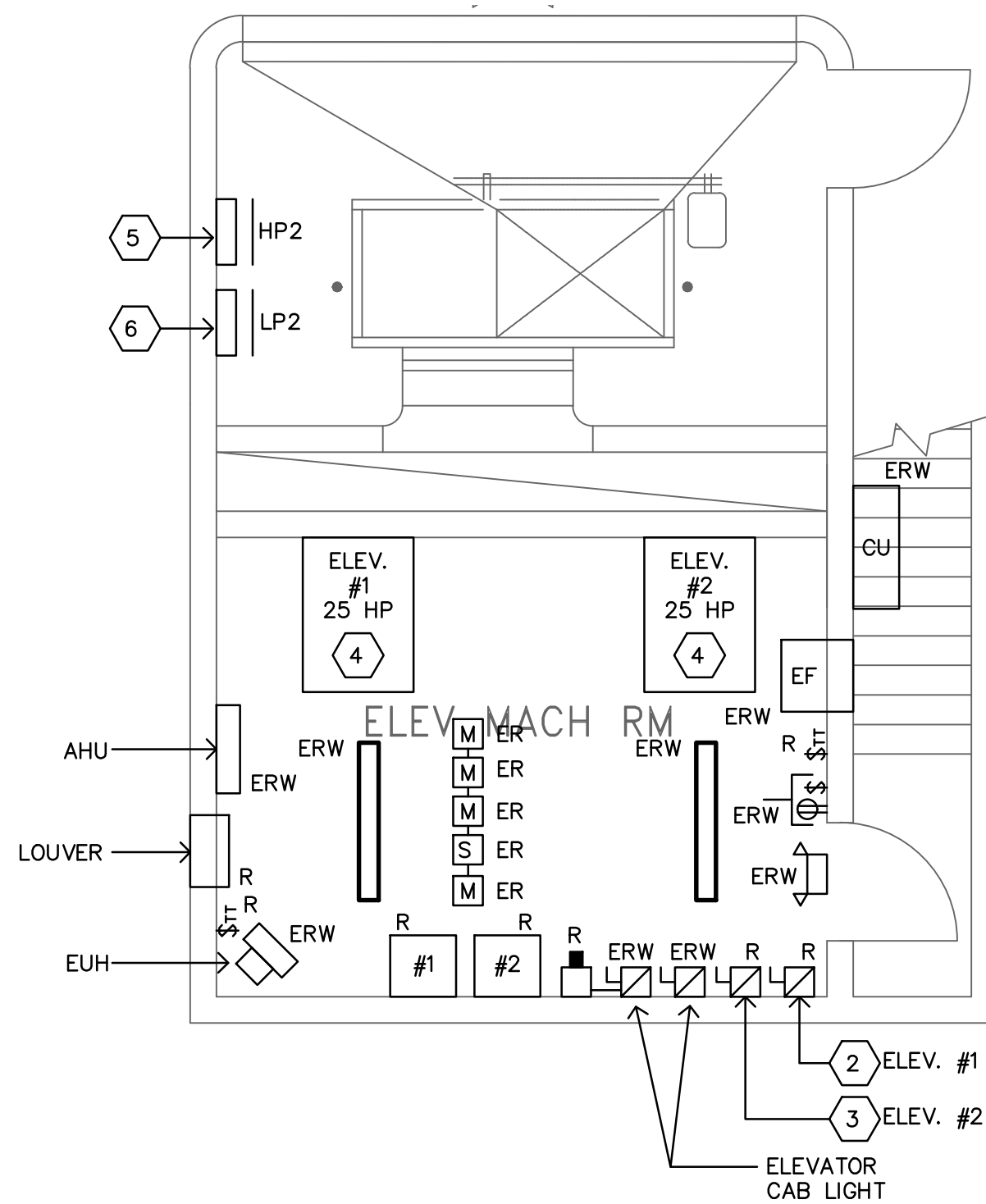
ELEVATOR # 1 & 2 BASEMENT LEVEL B3 ELECTRICAL DEMOLITION  
SCALE: 1/4" = 1'-0"

2  
TS-E-2



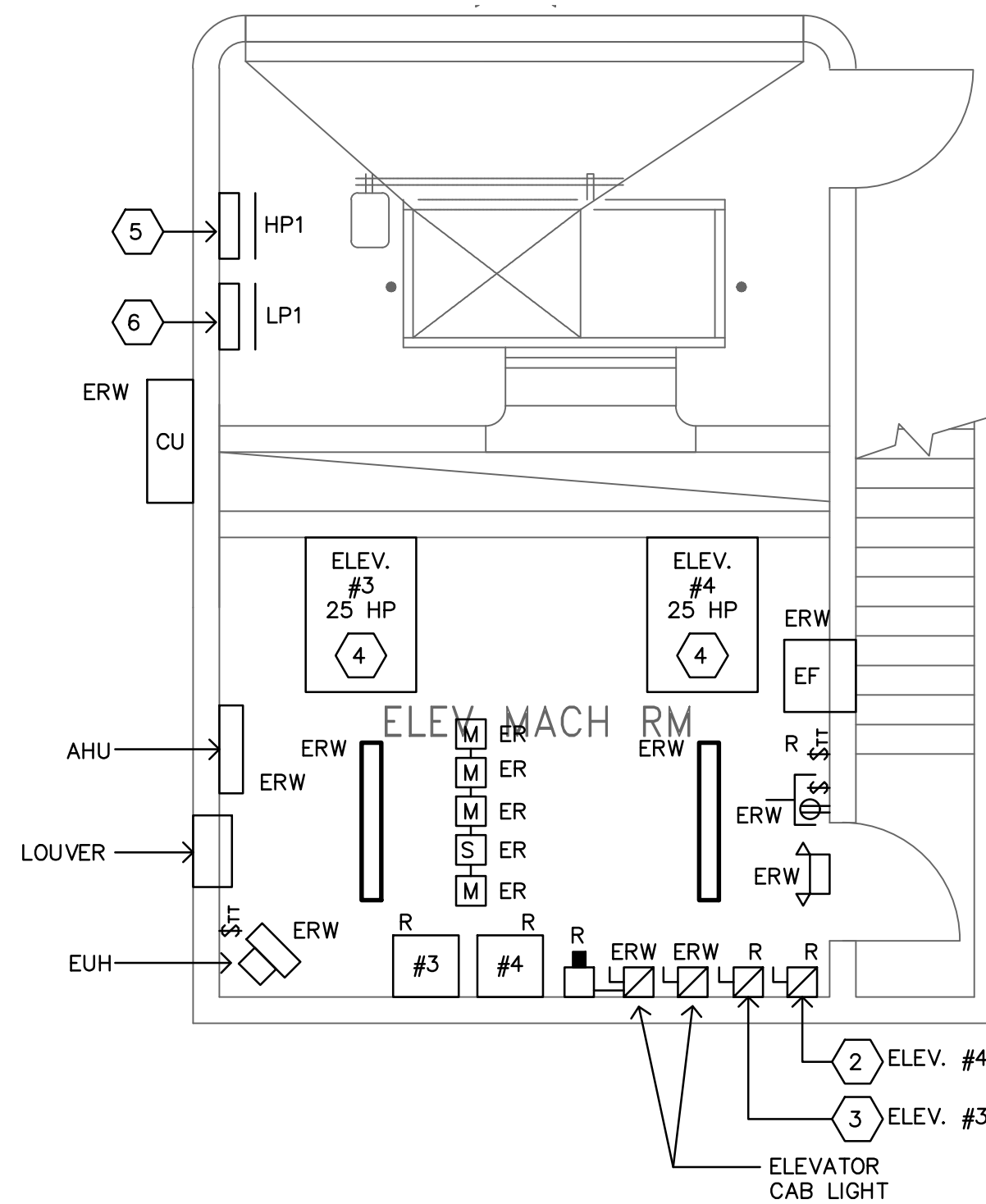
ELEVATOR # 3 & 4 BASEMENT LEVEL B3 ELECTRICAL DEMOLITION  
SCALE: 1/4" = 1'-0"

3  
TS-E-3



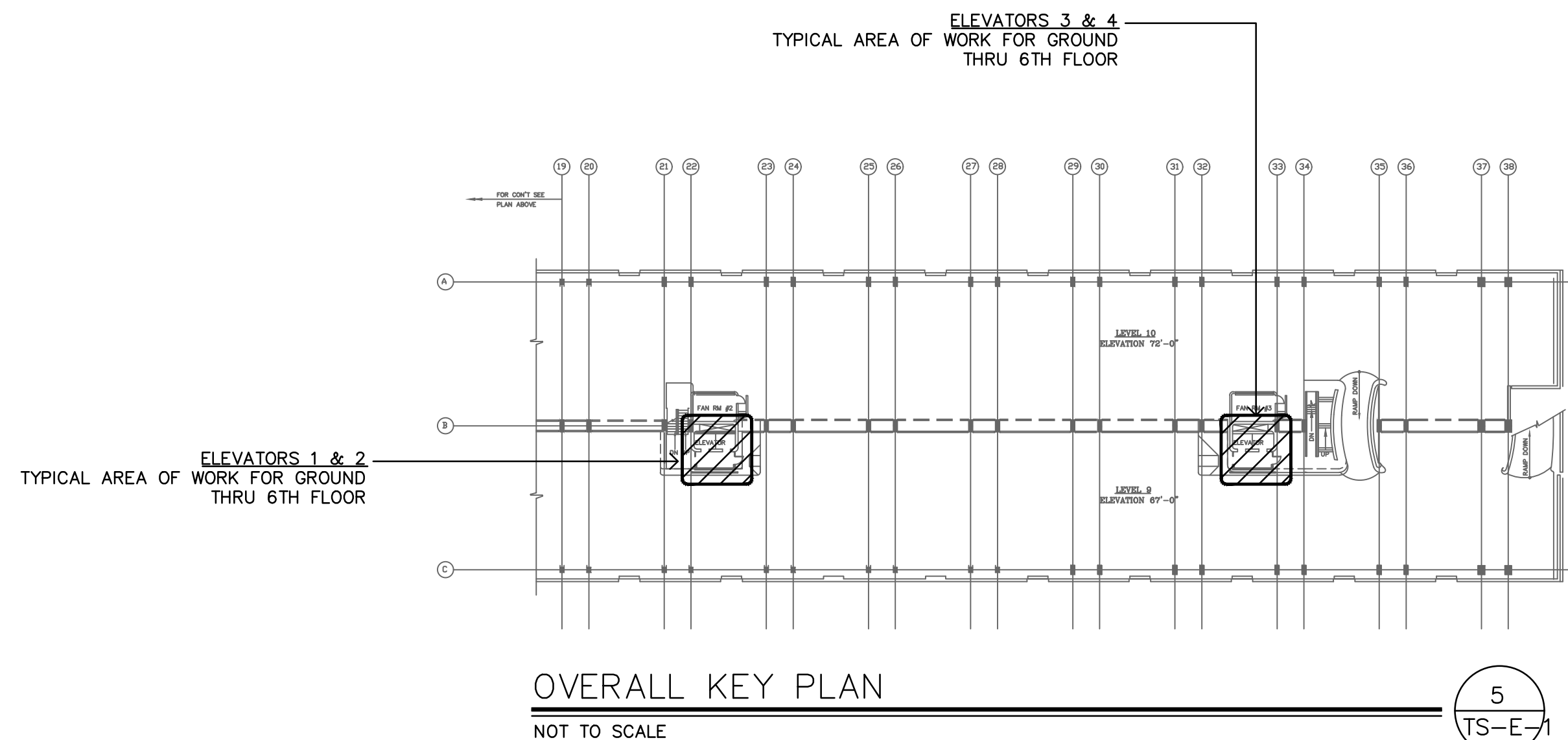
PENTHOUSE ELEVATOR MACHINE ROOM # 2  
ELECTRICAL DEMOLITION  
SCALE: 1/4" = 1'-0"

4  
TS-E-4



PENTHOUSE ELEVATOR MACHINE ROOM # 3  
ELECTRICAL DEMOLITION  
SCALE: 1/4" = 1'-0"

5  
TS-E-5



OVERALL KEY PLAN  
NOT TO SCALE

5  
TS-E-5

## DEMOLITION KEY NOTES

- APPROXIMATE LOCATION OF EXISTING ELEVATOR MOTOR TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO DISCONNECT SERVING ELEVATOR.
- APPROXIMATE LOCATION OF EXISTING ELEVATOR DISCONNECT TO BE REPLACED. CONTRACTOR TO RETAIN ASSOCIATED FEED AND CONDUIT TO SUIT NEW UNIT.
- APPROXIMATE LOCATION OF EXISTING ELEVATOR CAB LIGHT DISCONNECT TO BE REPLACED. CONTRACTOR TO RETAIN AND EXTEND ASSOCIATED FEED AND CONDUIT TO SUIT NEW UNIT. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING ELEVATOR MOTOR TO BE DISCONNECTED BY ELECTRICAL CONTRACTOR. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 200A, 480/277V-3PH, 4 WIRE SERVING ELEVATORS. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 200A, 120/208V-3PH, 4 WIRE SERVING ELEVATOR CAB LIGHTING, M.R. LIGHTING, POWER RECEPTACLE AND ELEVATOR CONTROLLERS. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.

## DEMOLITION ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- ERW EXISTING UNIT/DEVICE TO BE REPLACED AT SAME LOCATION. CONTRACTOR TO RETAIN ASSOCIATED WIRING AND CONDUIT TO SUIT NEW. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
- R EXISTING TO BE REMOVED. CONTRACTOR TO REMOVE ASSOCIATED DEVICES, WIRING AND CONDUIT BACK TO SOURCE
- RR EXISTING TO BE REMOVED AND RELOCATED. CONTRACTOR TO EXTEND ASSOCIATED WIRING AND CONDUIT TO NEW LOCATION.

## DEMOLITION GENERAL NOTES

- UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
- NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND/OR ABANDONED SHALL REMAIN.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
- ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNER'S OCCUPANCY REQUIREMENTS.
- ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
- THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.
- ELECTRICAL COMPONENTS SHOWN ON THE DEMOLITION DRAWINGS, AND THE ASSOCIATED CONDUIT, WIRE & BOXES ARE TO BE REMOVED AND DISPOSED OF UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL MATERIALS BEING REMOVED SHALL BE HANDLED IN A MANNER COMPLYING WITH ALL PERTINENT LAWS, CODES AND ENVIRONMENTAL REGULATIONS.
- ALL REMOVED COMPONENTS SHALL BE LEGALLY DISPOSED OF BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHERE EXISTING DEVICES ARE REMOVED & NO NEW DEVICES ARE INSTALLED IN THE SAME LOCATION, REMOVE ALL WIRING FROM BOX & PROVIDE PROPERLY SIZED BLANK COVER PLATE.
- WHERE ELECTRICAL EQUIPMENT & DEVICES ARE BEING REMOVED, COORDINATE AND FIELD VERIFY IF BRANCH CIRCUIT FEEDS THROUGH TO EQUIPMENT/DEVICES TO REMAIN. BRANCH CIRCUITS SHALL BE SPliced OR RELOCATED TO MAINTAIN CONTINUATION OF SERVICES.

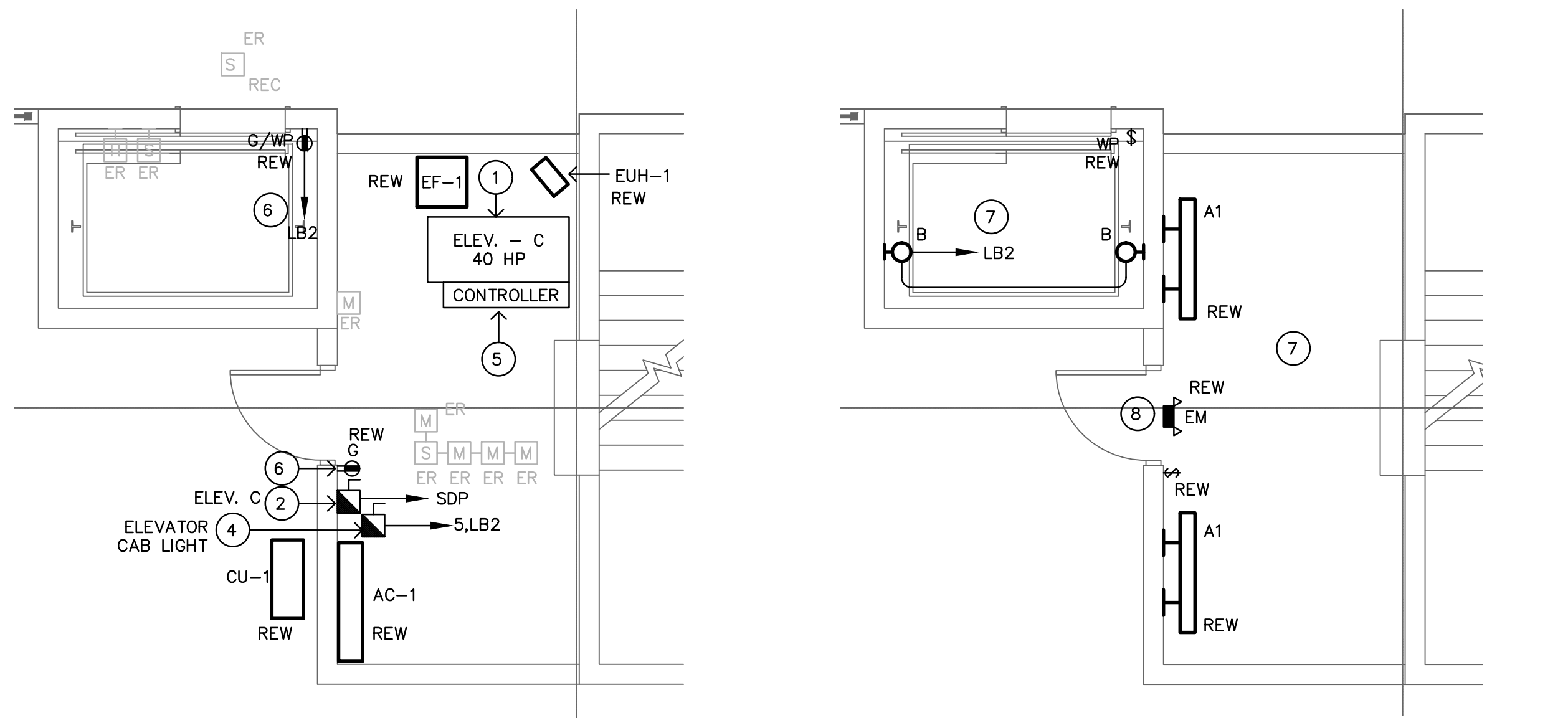
ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES  
NEW HAVEN, CONNECTICUT

DESMAN  
Design Management

SILVER / PETRUCELLI + ASSOCIATES  
Architects and Engineers  
3100 Whitney Avenue, Hamden, CT 06518-2340  
Tel. 203 289 9807 Fax. 203 289 8247  
silverpetrucci.com

NO.	DATE	BY
REVISIONS		
DRAWING TITLE		
TEMPLE STREET- ELECTRICAL DEMOLITION PART PLANS		
DRAWING NO.		
TS-E-1		
SCALE: AS NOTED		
DATE: JULY 2025		
PROJECT NO. 20-20176.00-2		
NHPA NO. 21-011		
DESIGN J.R.P.	DRAWN J.R.P.	CHKD. R.R.B.
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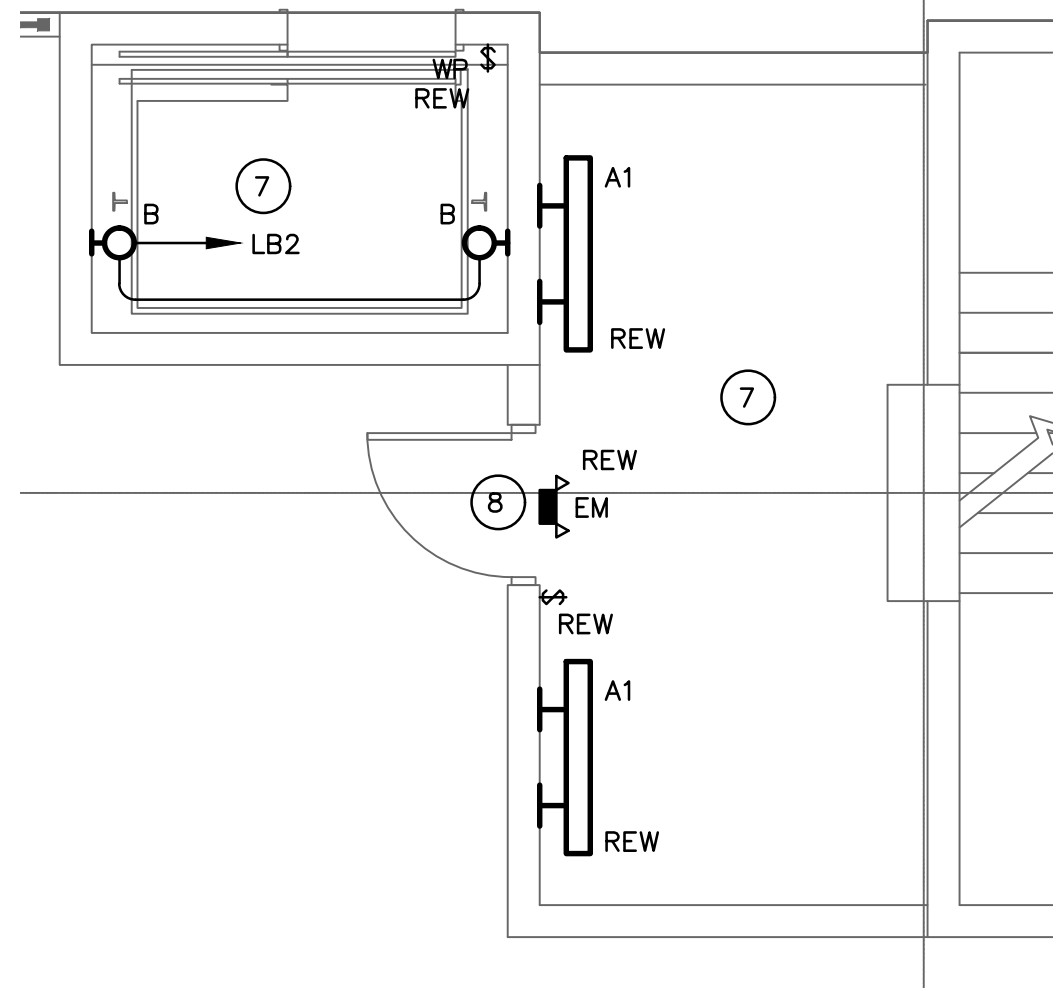




ELEVATOR - "C" TYPICAL  
GROUND THRU 9TH LEVEL AND  
MACHINE ROOM  
ELECTRICAL POWER NEW WORK

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

3  
TS-E-2



ELEVATOR - "C" TYPICAL  
GROUND THRU 9TH LEVEL AND  
MACHINE ROOM  
ELECTRICAL LIGHTING NEW WORK

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

4  
TS-E-2

### NEW WORK KEY NOTES

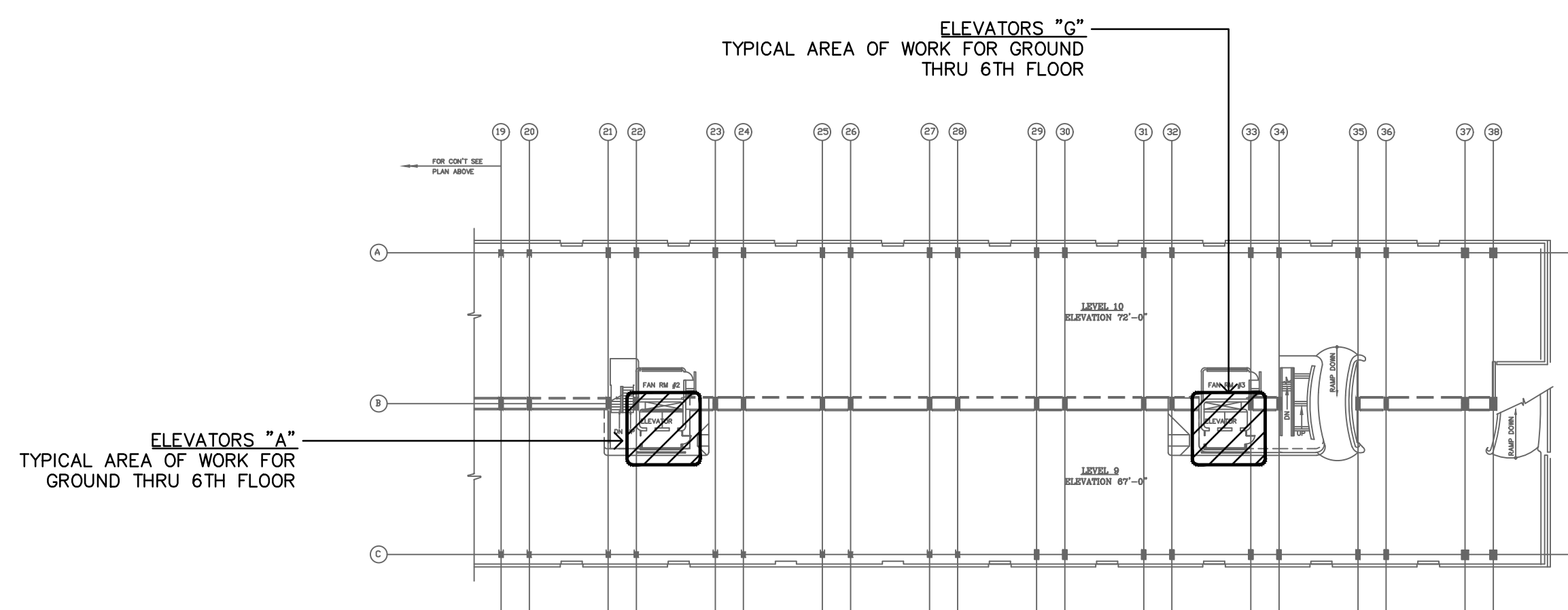
- 1 NEW ELEVATOR MACHINE WITH MOTOR TO BE PROVIDED BY ELEVATOR INSTALLER. CONTRACTOR TO WIRE MOTOR TO CORRESPONDING ELEVATOR DISCONNECT.
- 2 PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 100AMP-3P WITH 60AMP FUSE, 480V-3PHASE TO SUIT ELEVATOR. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. PROVIDE AUXILIARY CONTACT WITHIN DISCONNECT TO BE INTERCONNECTED WITH ELEVATOR CONTROLLERS. INTERCONNECT DISCONNECT WITH ELEVATOR MOTOR AND EXISTING CIRCUIT IN ELECTRICAL PANEL "SDP" LOCATED IN BASEMENT SECONDARY ELECTRICAL ROOM. PROVIDE 70A-3P CIRCUIT BREAKER IN PANEL. 1-1/4"C, 4#4 IF EXISTING FEEDER AND BREAKER IS NOT COMPATIBLE WITH NEW CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- 3 PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 60AMP-3P WITH 40AMP FUSE, 480V-3PHASE TO SUIT CORRESPONDING ELEVATOR. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. PROVIDE AUXILIARY CONTACT WITHIN DISCONNECT TO BE INTERCONNECTED WITH ELEVATOR CONTROLLERS. INTERCONNECT DISCONNECT WITH ELEVATOR MOTOR AND ELECTRICAL PANEL "HP-1 OR HP-2" LOCATED IN FAN ROOM. PROVIDE 60A-3P CIRCUIT BREAKER IN PANEL. 1"C, 4#6 AND ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- 4 PROPOSED LOCATION FOR FUSED DISCONNECT SWITCH RATED FOR 30A, 120V-1 PHASE TO SUIT CAB LIGHTING AND VENTILATION. DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION. INTERCONNECT WITH CAB LIGHTING, VENTILATION AND EXISTING/EXTENDED BRANCH CIRCUIT. PROVIDE 20A-1P, 3/4"C, 3#12 IF EXISTING CIRCUIT AND BREAKER IS NOT COMPATIBLE WITH NEW CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE MANUFACTURER/ENGINEER APPROVED INSTALLATION TO BE FULLY OPERATIONAL.
- 5 NEW ELEVATOR CONTROLLER TO BE PROVIDED AND INSTALLED BY ELEVATOR INSTALLER. CONTRACTOR TO INTERCONNECT UNIT WITH CORRESPONDING ELEVATOR DISCONNECT AND PROVIDE ASSOCIATED WIRING AND CONDUIT.
- 6 PROVIDE NEW BRANCH CIRCUIT IF EXISTING IS NOT DEDICATED TO POWER RECEPTACLES. PROVIDE 20A-1P, 3/4"C, 2#12, 1#12G FROM LB2 (FOR ELEVATOR -C) LOCATED IN BASEMENT OR LP1, LP2 (FOR ELEVATOR 1,2,3,4) LOCATED IN FAN ROOM.
- 7 PROVIDE NEW BRANCH CIRCUIT IF EXISTING IS NOT DEDICATED TO LIGHTING. PROVIDE 20A-1P, 3/4"C, 2#12, 1#12G FROM LB2 (FOR ELEVATOR -C) LOCATED IN BASEMENT OR LP1, LP2 (FOR ELEVATOR 1,2,3,4) LOCATED IN FAN ROOM.
- 8 CONNECT TO ROOM LIGHTING CIRCUIT AHEAD OF SWITCHING DEVICE.
- 9 APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED FOR 200A, 480/277V-3PH, 4 WIRE SERVING ELEVATORS. CONTRACTOR TO REWORK PANEL AS REQUIRED TO ACCOMMODATE NEW CIRCUIT BREAKERS AND UPDATE PANEL DIRECTORY WITH NEW BREAKER DESIGNATION.
- 10 APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL RATED 200A, 120/208V-3PH, 4 WIRE SERVING ELEVATOR CAB LIGHTING, M.R. LIGHTING, POWER RECEPTACLE AND ELEVATOR CONTROLLERS. CONTRACTOR TO REWORK PANEL AS REQUIRED TO ACCOMMODATE NEW CIRCUIT BREAKERS AND UPDATE PANEL DIRECTORY WITH NEW BREAKER DESIGNATION.

### NEW WORK ABBREVIATION

- ER EXISTING TO REMAIN (UNLESS OTHERWISE INDICATED, SHOWN FOR REFERENCE PURPOSE ONLY).
- REW REPLACED EXISTING UNIT/DEVICE AT SAME LOCATION. RECONNECT TO EXISTING WIRING AND CONDUIT.

### DRAWING GENERAL NOTES

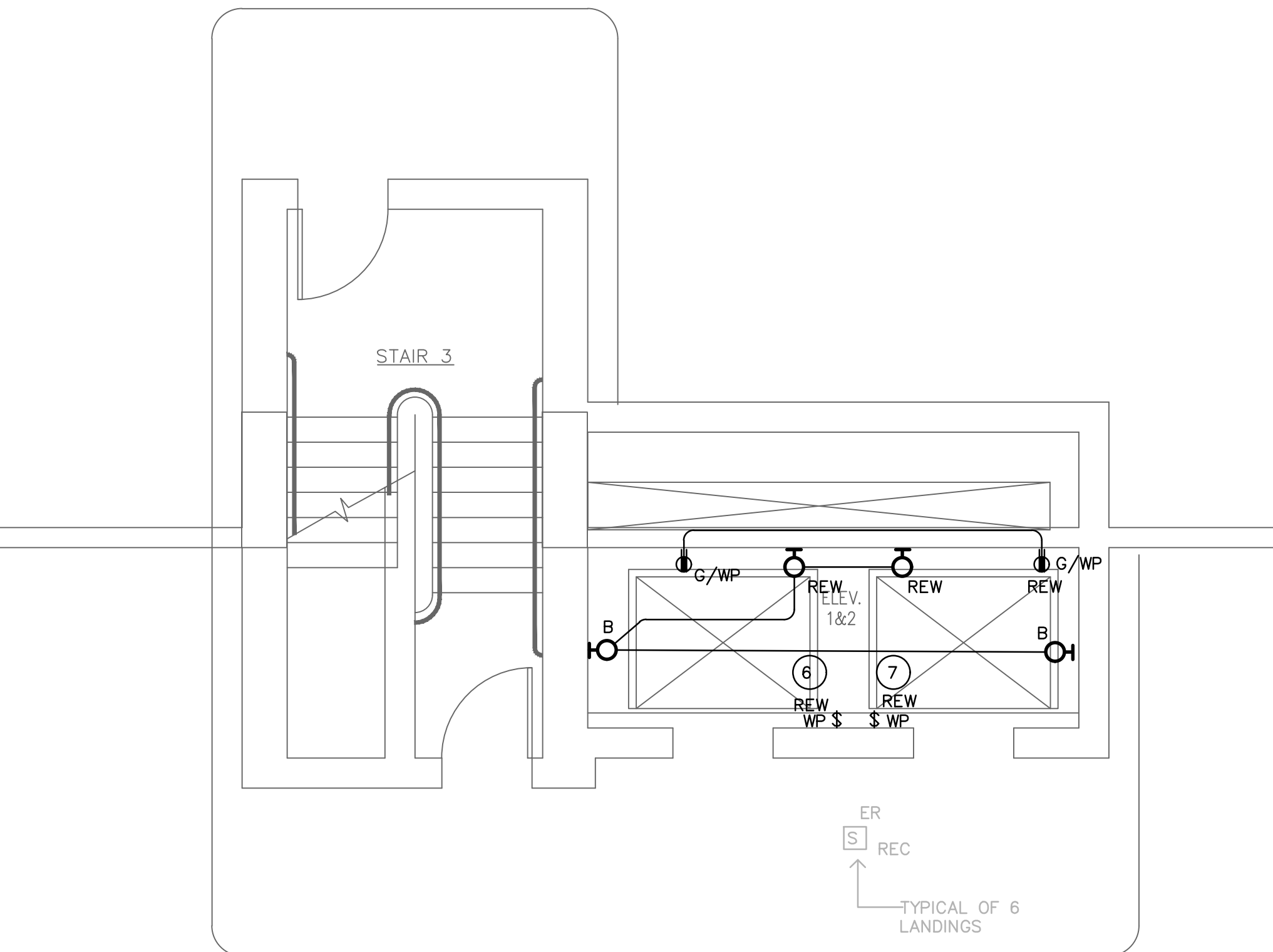
1. ONLY LINE VOLTAGE WIRING RATED FOR 120V SERVING ELEVATOR DEVICES CAN BE INSTALLED WITHIN ELEVATOR HOISTWAY.
2. PROVIDE SHUNT-TRIP BREAKER FOR ALL CIRCUIT BREAKER SERVING ELEVATOR WITH SPRINKLER HEAD IN THE ELEVATOR HOISTWAY.
3. ELECTRICAL CONTRACTOR ASSUMES ALL RESPONSIBILITY DURING CONSTRUCTION TO PROTECT MATERIALS AND EQUIPMENT. ANY & ALL DAMAGED ITEMS & EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
4. ALL PANEL DIRECTORIES AFFECTED BY RENOVATION SHALL BE UPDATED WITH NEW CIRCUIT BREAKER DESIGNATION.
5. ALL CIRCUIT BREAKERS SERVING ELEVATOR SHALL BE PROVIDED WITH LOCK TAB.
6. DESIGN WAS DEVELOPED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED IN ELECTRICAL PANELBOARD DIRECTORY. CONDUITS AND FEEDERS COULD NOT BE TRACED. CONTRACTOR MUST TRACE ELEVATOR FEEDERS AND NOTIFY ENGINEER OF ANY DISCREPANCY WITH DRAWINGS PRIOR STARTING PROJECT.



OVERALL KEY PLAN

NOT TO SCALE

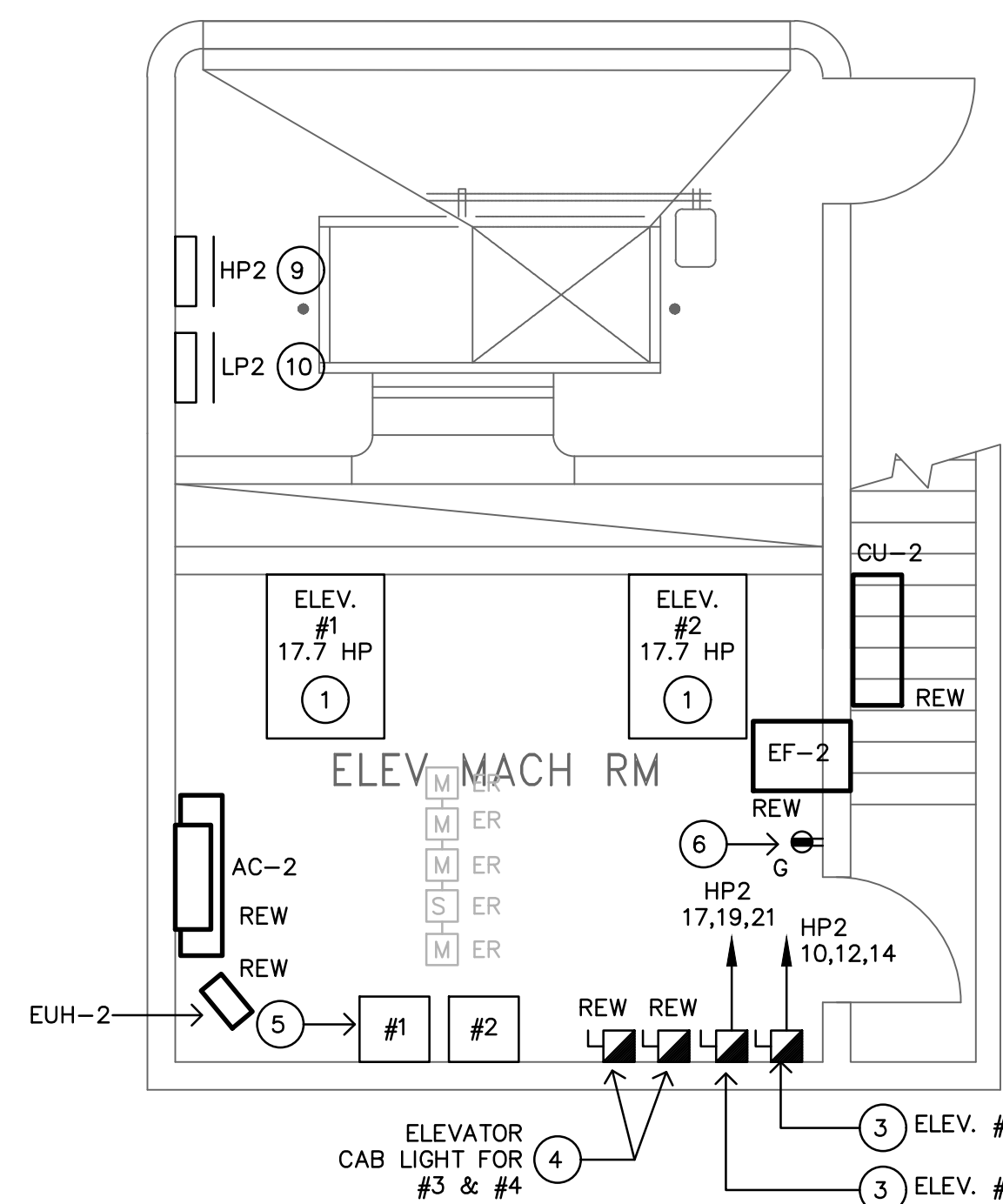
9  
TS-E-2



ELEVATOR # 1 & 2 BASEMENT LEVEL B3 ELECTRICAL NEW WORK

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

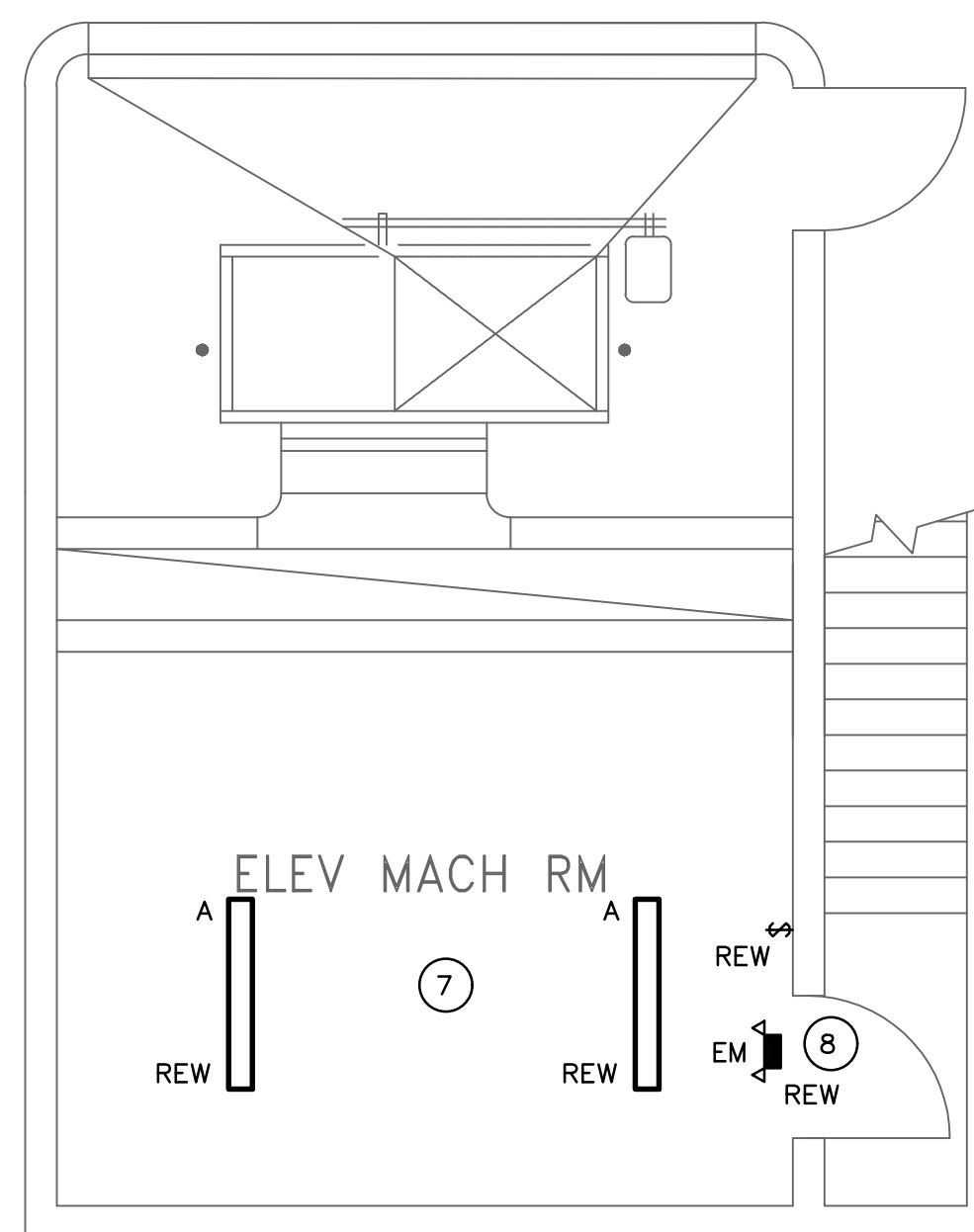
1  
TS-E-2



PENTHOUSE ELEVATOR MACHINE ROOM # 2  
ELECTRICAL POWER NEW WORK

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

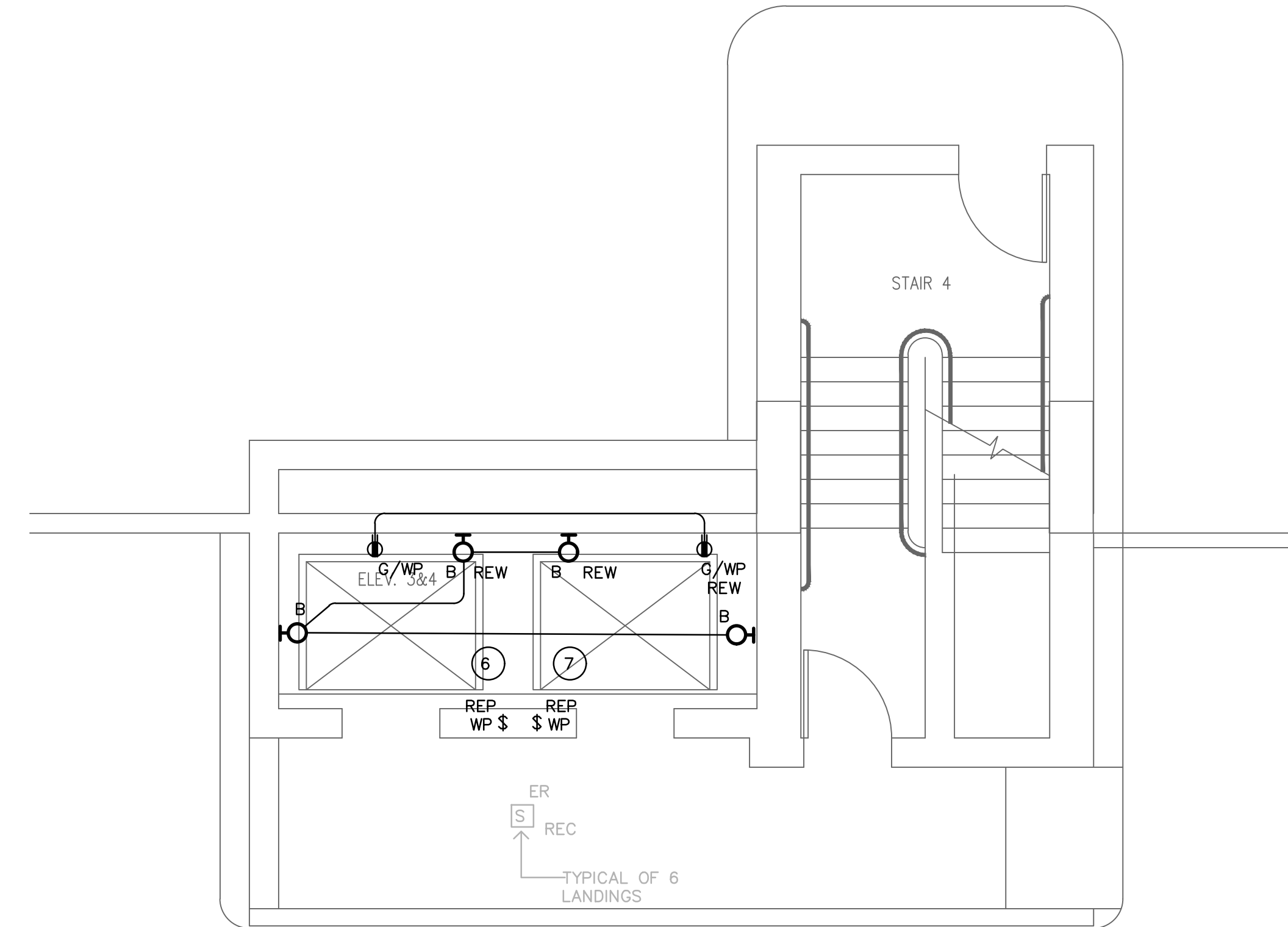
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TS-E-2



PENTHOUSE ELEVATOR MACHINE ROOM # 2  
ELECTRICAL LIGHTING NEW WORK

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

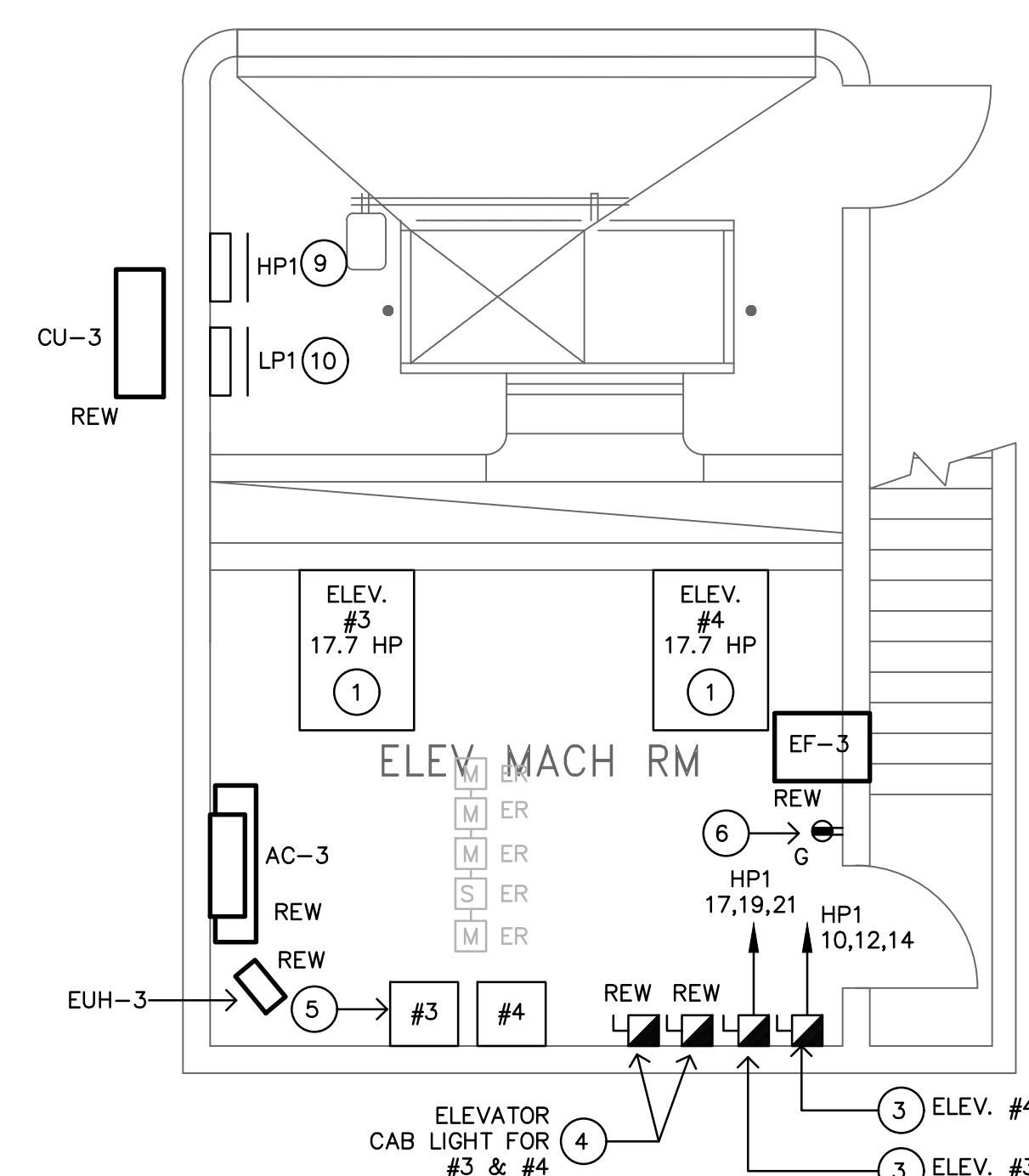
7  
TS-E-2



ELEVATOR # 3 & 4 BASEMENT LEVEL B3 ELECTRICAL NEW WORK

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

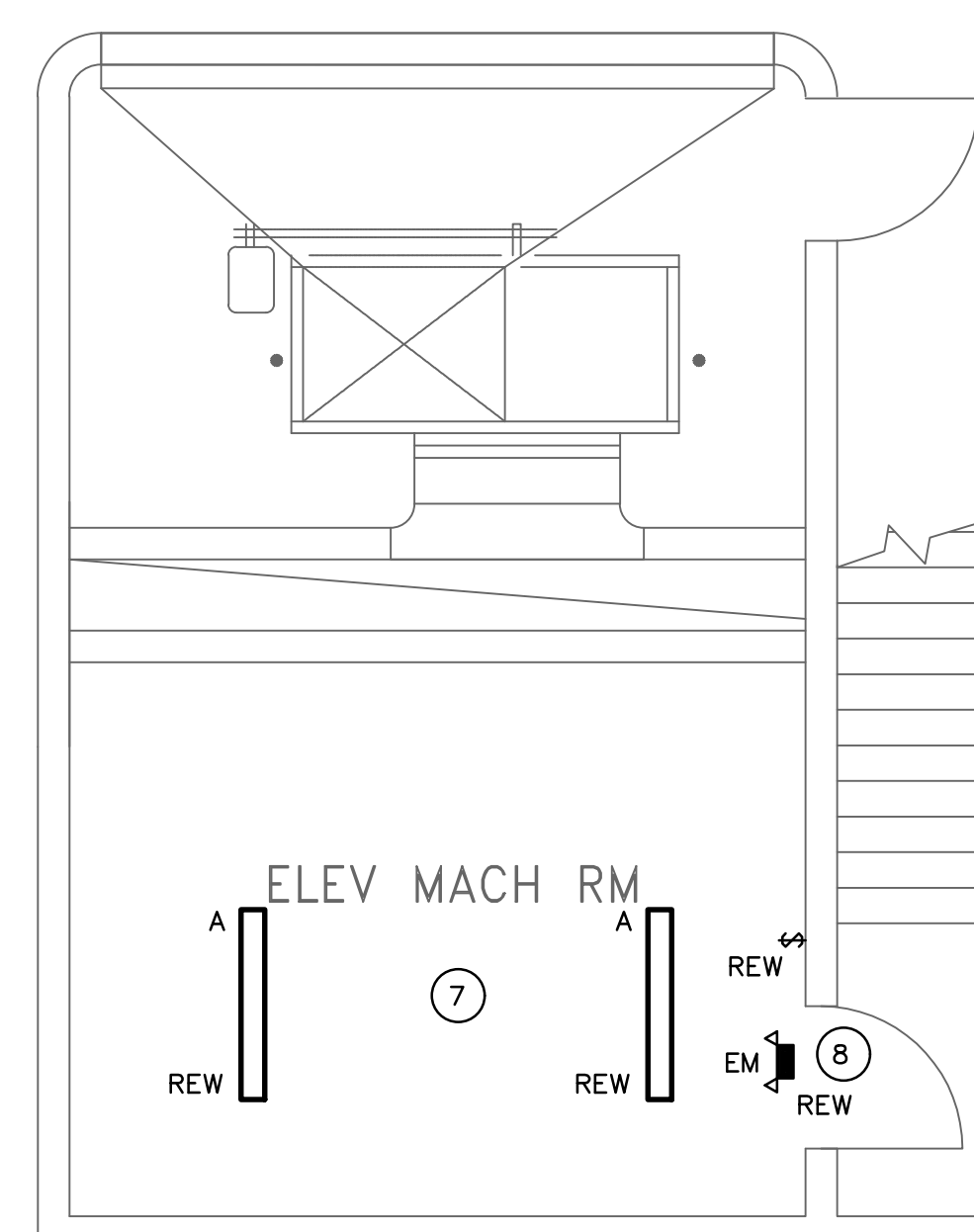
2  
TS-E-2



PENTHOUSE ELEVATOR MACHINE ROOM # 3  
ELECTRICAL POWER NEW WORK

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

6  
TS-E-2



PENTHOUSE ELEVATOR MACHINE ROOM # 3  
ELECTRICAL LIGHTING NEW WORK

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

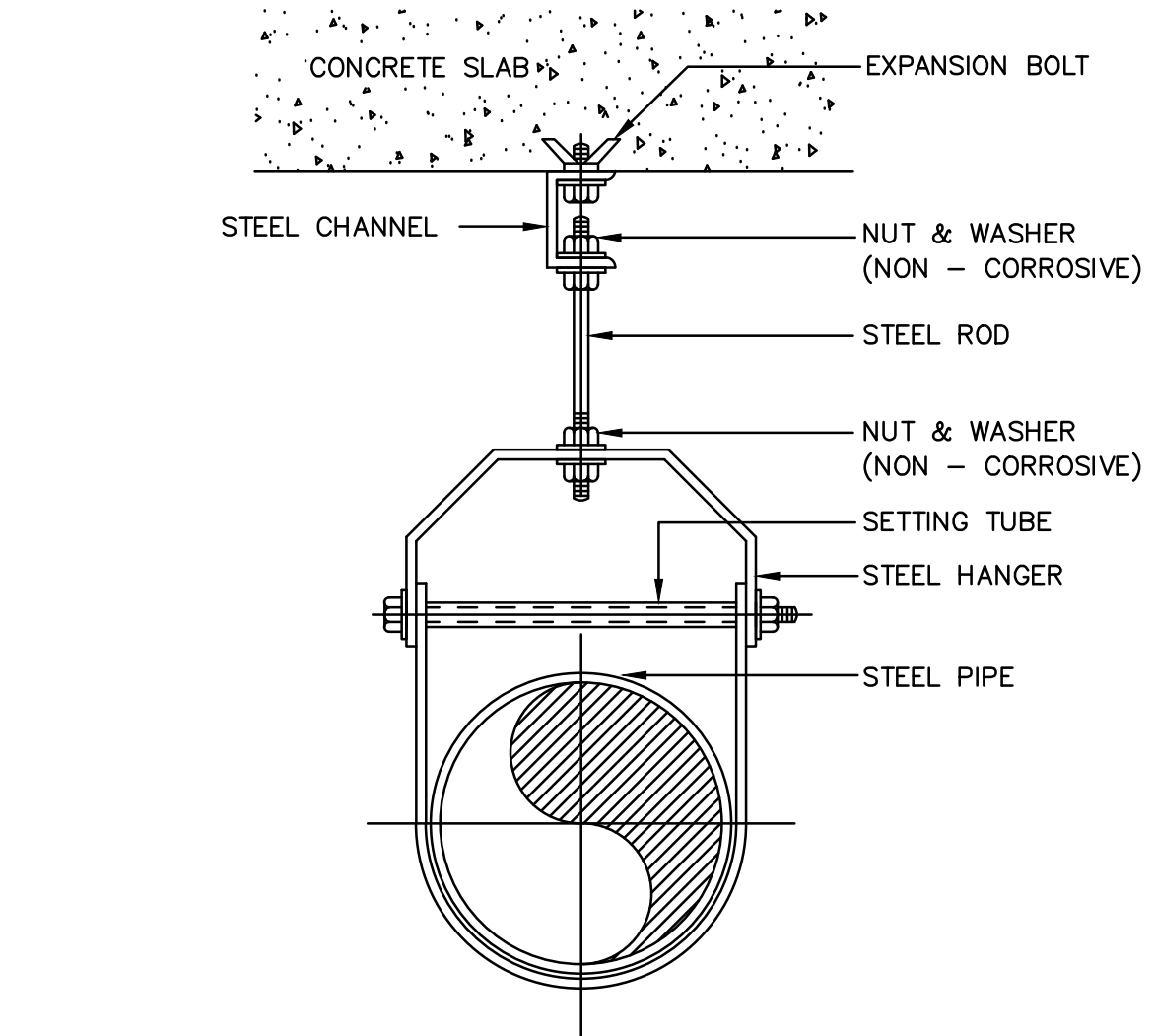
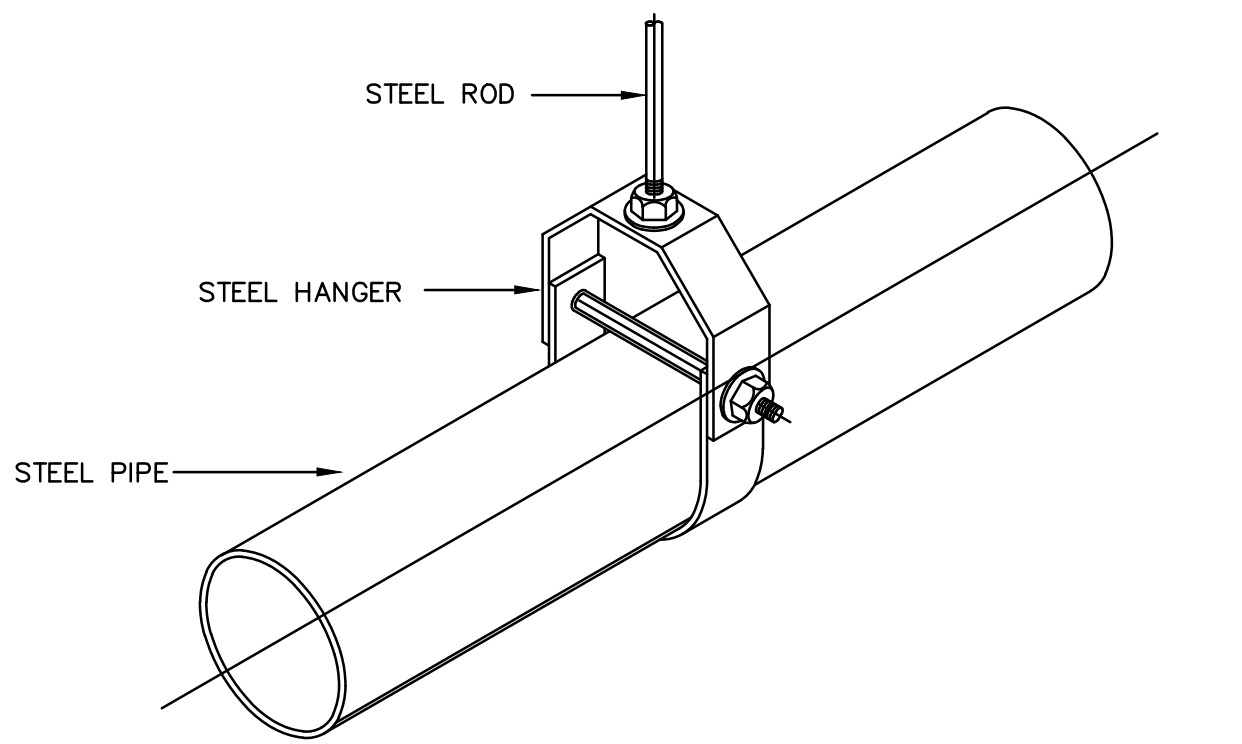
8  
TS-E-2



LIGHTING FIXTURE SCHEDULE									
DESIGNATION	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	LAMP			ELECTRICAL			NOTES
			TYPE	COLOR TEMP	NO	DRIVER	VOLTAGE	WATTS	
A	4' LENGTH SURFACE MOUNT LINEAR LED WITH FROSTED ACRYLIC LENS	DAY-BRITE FSI45SL840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	45	①②
A1	SAME AS TYPE - A TO BE WALL MOUNTED	DAY-BRITE FSI45SL840-UNV	LED	4000K	-	ELECTRONIC	UNIVERSAL	45	①②
B	4' LENGTH SURFACE MOUNT VAPORTIGHT LED WITH DAMAGE RESISTANCE ACRYLIC LENS	DAY-BRITE DWAE45L840-2-UNV-MD360W	LED	4000K	-	ELECTRONIC	UNIVERSAL	45	①②
EM	TWIN HEAD EMERGENCY WALL PACK	DAY-BRITE CLU2NW	LED	N/A	-	ELECTRONIC	UNIVERSAL	4.4	
NOTES									
① FURNISH WITH ALL REQUIRED MOUNTING HARDWARE AND CONNECTING CABLE.									
② ALL FIXTURES SHALL BE CAPABLE OF OPERATING IN COLD TEMP (0° F).									

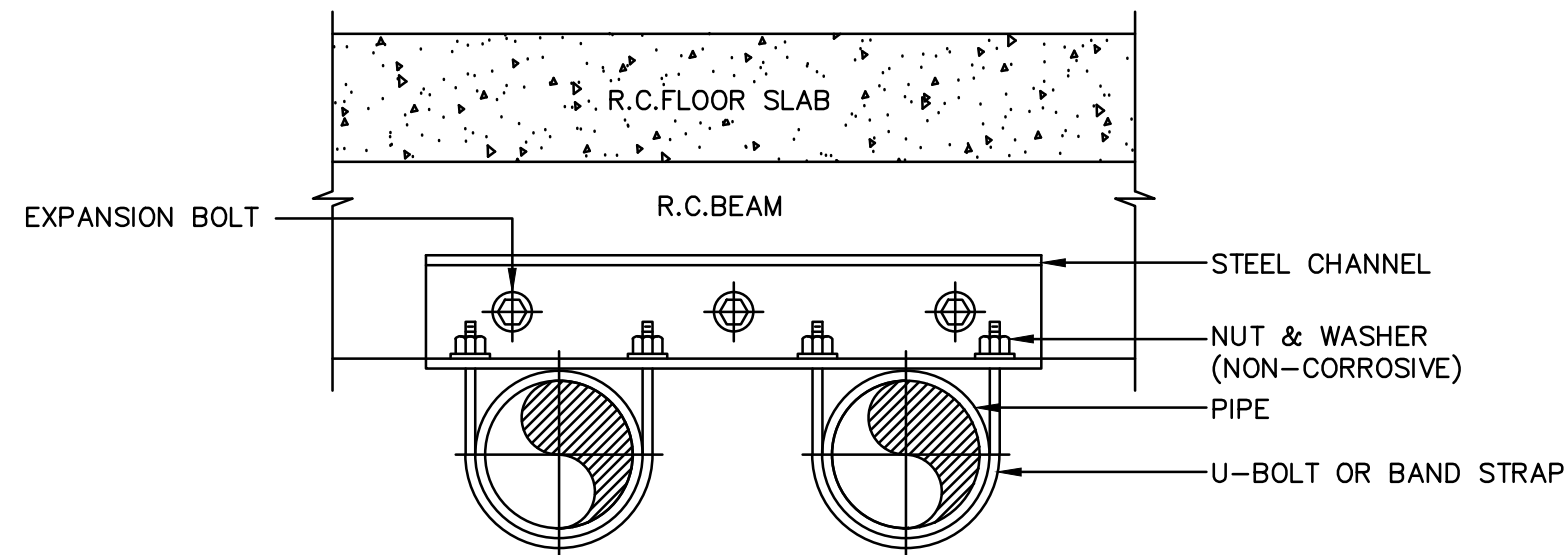
ELECTRICAL LEGEND	
	EXISTING PANELBOARD SURFACE MOUNTED RATED FOR 120/208V-3PH.
	ENCLOSED CIRCUIT BREAKER.
	FUSED DISCONNECT SWITCH.
	NON-FUSED DISCONNECT SWITCH.
	DUPLEX RECEPTACLE.
	DUPLEX GROUND FAULT RECEPTACLE MOUNT 48" A.F.F.
	WALL MOUNTED LIGHT FIXTURE.
	LINEAR WALL MOUNTED LIGHT FIXTURE
	SINGLE-POLE SWITCH; MOUNT AT 48" AFF.
	FIRE ALARM ADDRESSABLE RELAY
	FIRE ALARM SHUNT TRIP HEAT DETECTOR.
	FIRE ALARM RECALL SMOKE DETECTOR.
	WALL MOUNTED FIRE ALARM HEAT DETECTOR
	CONDUIT AND WIRE
	CONDUIT AND WIRE, SWITCHED
	BRANCH CIRCUIT HOMERUN.
ABBREVIATION	
G	GROUND FAULT INTERRUPTER
WP	WEATHERPROOF

GENERAL NOTES	
1.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NEC AND APPLICABLE LOCAL CODES.
2.	THIS IS AN EXISTING BUILDING. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
3.	THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
4.	DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
5.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
6.	ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND/OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
7.	ELECTRICAL CONTRACTOR SHALL GIVE OWNER SEVEN (7) DAYS ADVANCE NOTICE OF SHUTDOWNS. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
8.	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
9.	ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
10.	THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
11.	THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
12.	ALL THE WIRE SIZES ARE BASED ON COPPER; ALUMINUM IS NOT TO BE USED.
13.	ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
14.	PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER INTERNATIONAL BUILDING CODE.
15.	ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES.
16.	ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
17.	ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER. ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
18.	PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
19.	ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHTING FIXTURES, PANELS, SWITCHES, RECEPTACLES, ETC.
20.	ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
21.	COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ELEVATOR AND MECHANICAL PLANS. MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. VERIFY WITH OWNER.
22.	ELECTRICAL CONTRACTOR TO COORDINATE WITH ELEVATOR INSTALLER AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT FOR ELECTRICAL WORK.
23.	ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
24.	SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
25.	THE DISPOSAL OF ALL UNUSED EXISTING ELECTRICAL EQUIPMENT REMOVED IS A PART OF THE SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL SUCH EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS, CURRENT ISSUE.
26.	SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
27.	PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT IN ABSENT OF SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
28.	ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO (2), THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
29.	FOR ALL GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTACLE FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, FUSED, WEATHER PROOF (WP) DEVICES.
30.	NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
31.	FURNISH & INSTALL GFCI RECEPTACLES IN ALL WET LOCATIONS.
32.	PROVIDE PULL STRINGS IN ALL EMPTY RACEWAYS.
33.	CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
34.	MINIMUM CONDUCTOR SIZE, UNLESS OTHERWISE NOTED SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 100 FEET, #10; OVER 150 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
35.	ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION, ETC. TO INSURE COMPATIBILITY OF EQUIPMENT.
36.	NO PENETRATIONS ARE ALLOWED INTO STAIR ENCLOSURES EXCEPT AS REQUIRED FOR SERVICES UTILIZED IN THE STAIR.
37.	REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
38.	ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH BASE BUILDING ELECTRICIAN.
39.	PRODUCTS SHALL NOT BE INSTALLED IN PROMINENT LOCATIONS UNLESS NO ALTERNATIVE EXISTS. ITEMS SHALL BE CENTERED ON WALL OR CEILING TREATMENT AND ON ONE ANOTHER AS APPLICABLE. THIS INCLUDES BUT IS NOT LIMITED TO ACCESS PANELS, LIGHTING FIXTURES, SWITCHES, THERMOSTATS, FIRE ALARM DEVICES, EXIT SIGNS, ELECTRICAL PANELS, AND ANNUNCIATOR PANELS OF ANY KIND.
40.	ELECTRICAL CONDUITS & BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE.
41.	INSTALLATIONS ON EXISTING WALLS SHALL BE RUN WITH SURFACE RACEWAY PAINTED TO MATCH WALL FINISH AND SURFACE BOXES. USE METAL WIREMOLD FOR INSTALLATIONS WITHIN OCCUPIED AREAS.
42.	POWER RECEPTACLES COVER PLATES SHALL BE LABELED WITH DESIGNATED PANEL AND CIRCUIT NUMBER SERVING UNIT.

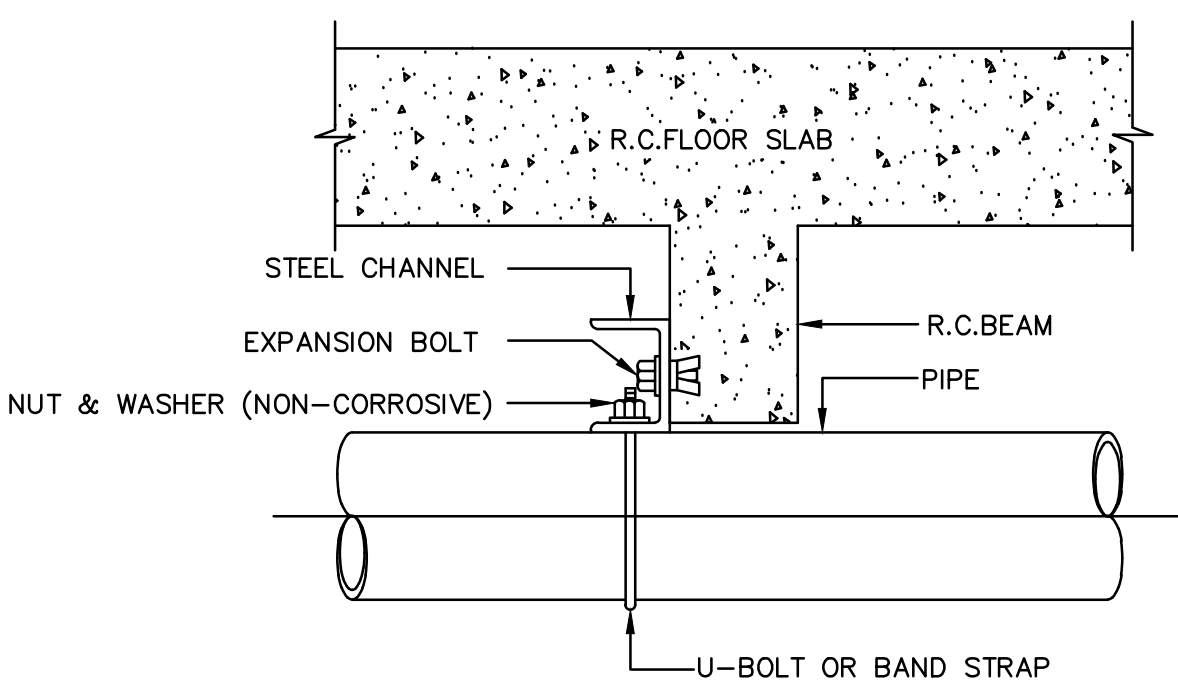


PIPE HANGER DETAIL  
NOT TO SCALE

1  
TS-E-3



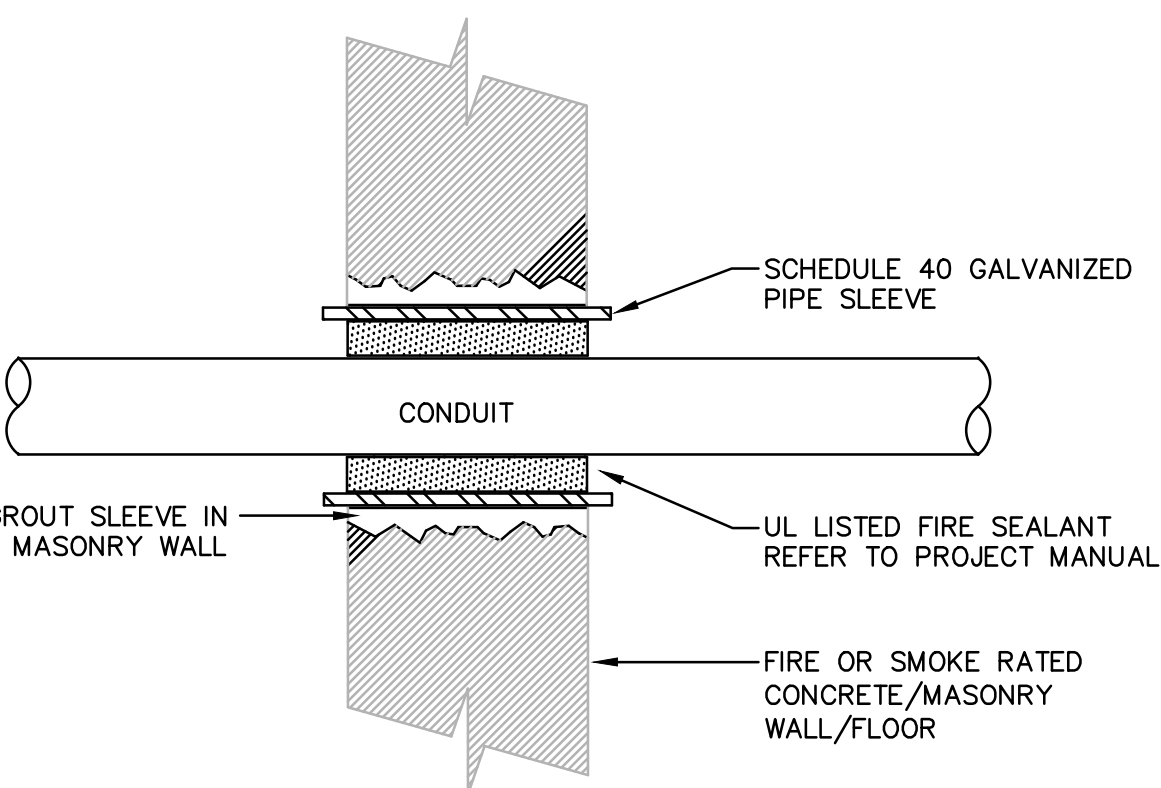
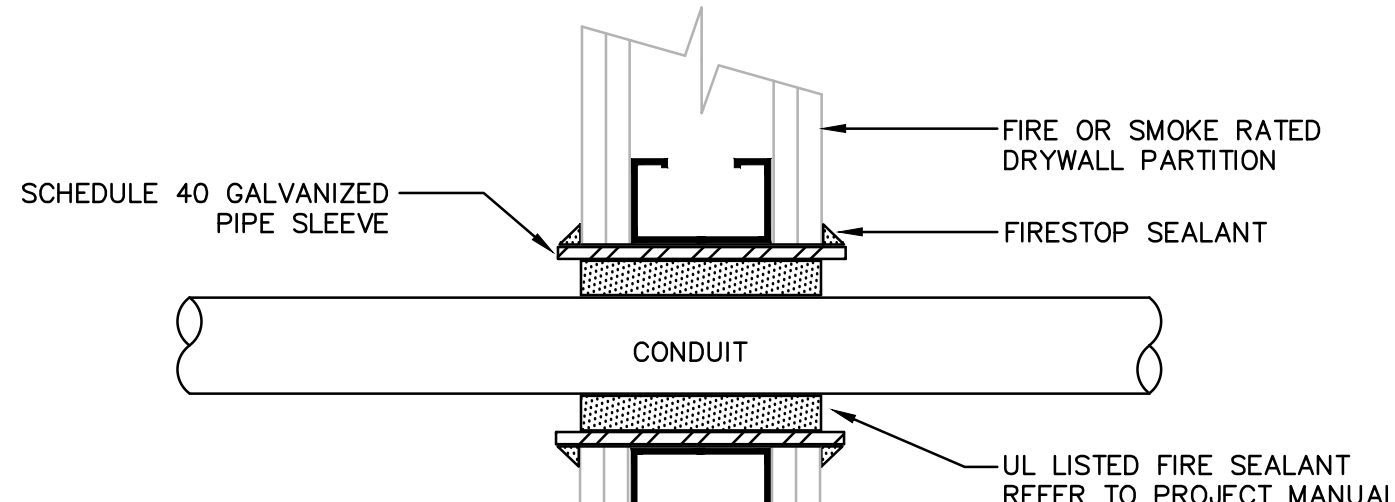
END VIEW



ELEVATION

PIPE HANGER FROM BEAM  
NOT TO SCALE

2  
TS-E-3



WALL/FLOOR PENETRATION  
W/FIRE-SMOKE SEAL DETAIL

NOT TO SCALE

GENERAL NOTES:

- PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/UL1479, ASTM E 814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.
- FIRESTOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL/FLOOR BEING PENETRATED - SEE PROJECT MANUAL. REFER TO DRAWINGS FOR WALL/FLOOR RATINGS AND LOCATIONS.

3  
TS-E-3

NO.	DATE	BY

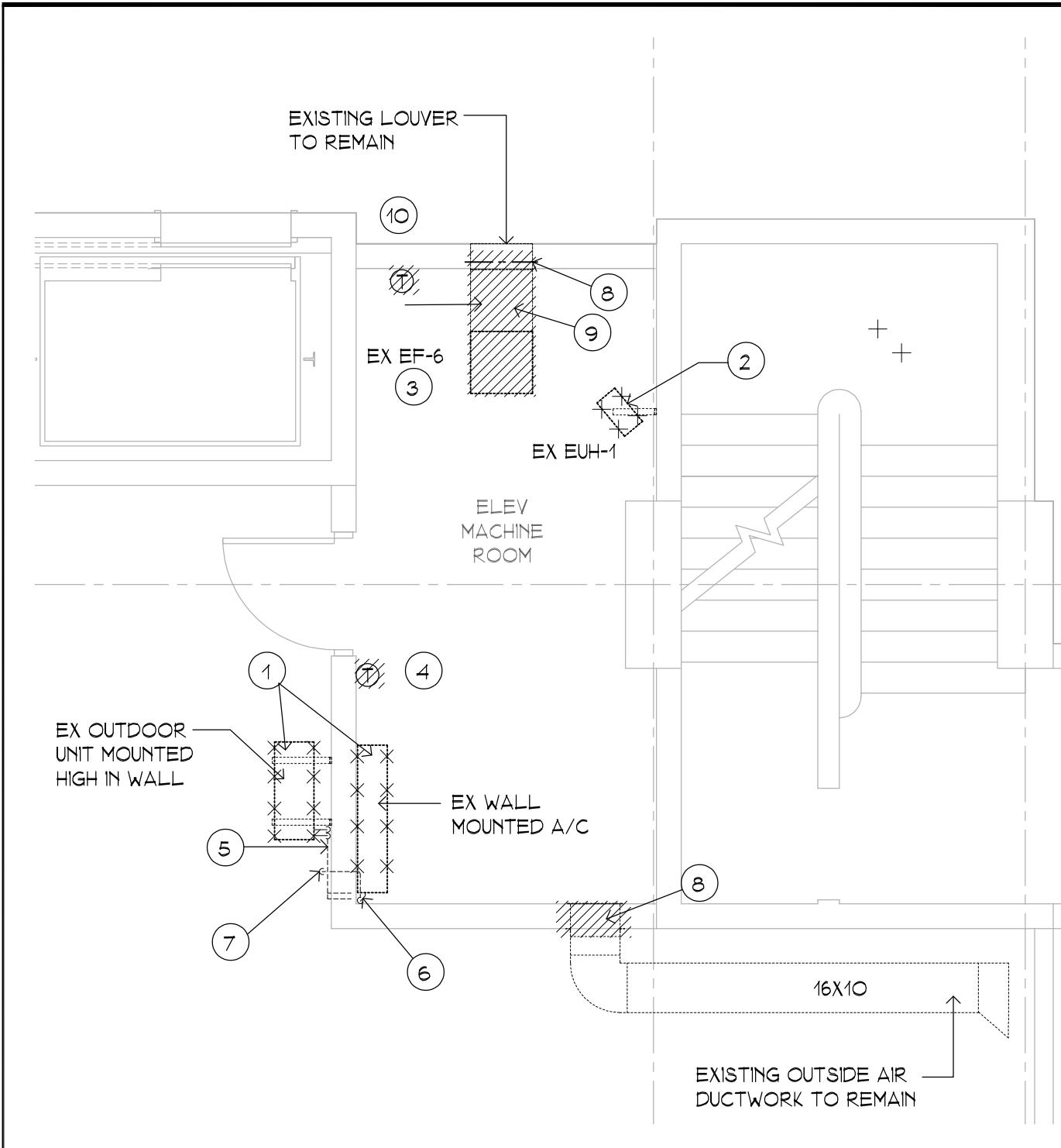
REVISIONS  
DRAWING TITLE  
TEMPLE STREET -  
ELECTRICAL LEGEND,  
DETAIL AND GEN.  
NOTES

DRAWING NO.  
TS-E-3

SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-20176.00-2  
NHPA NO. 21-011  
DESIGN J.R.P. DRAWN J.R.P. CHKD. R.R.B.

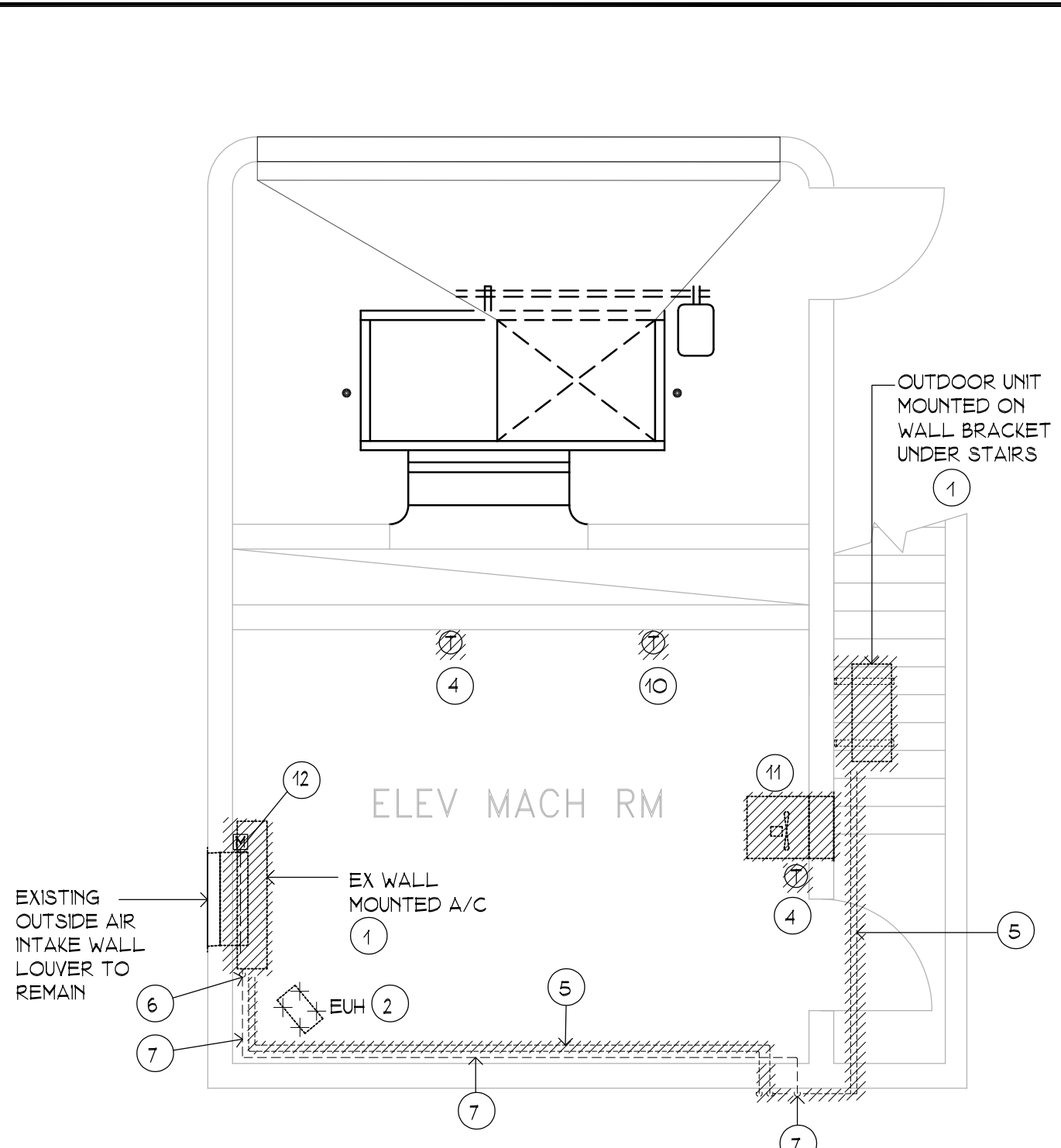
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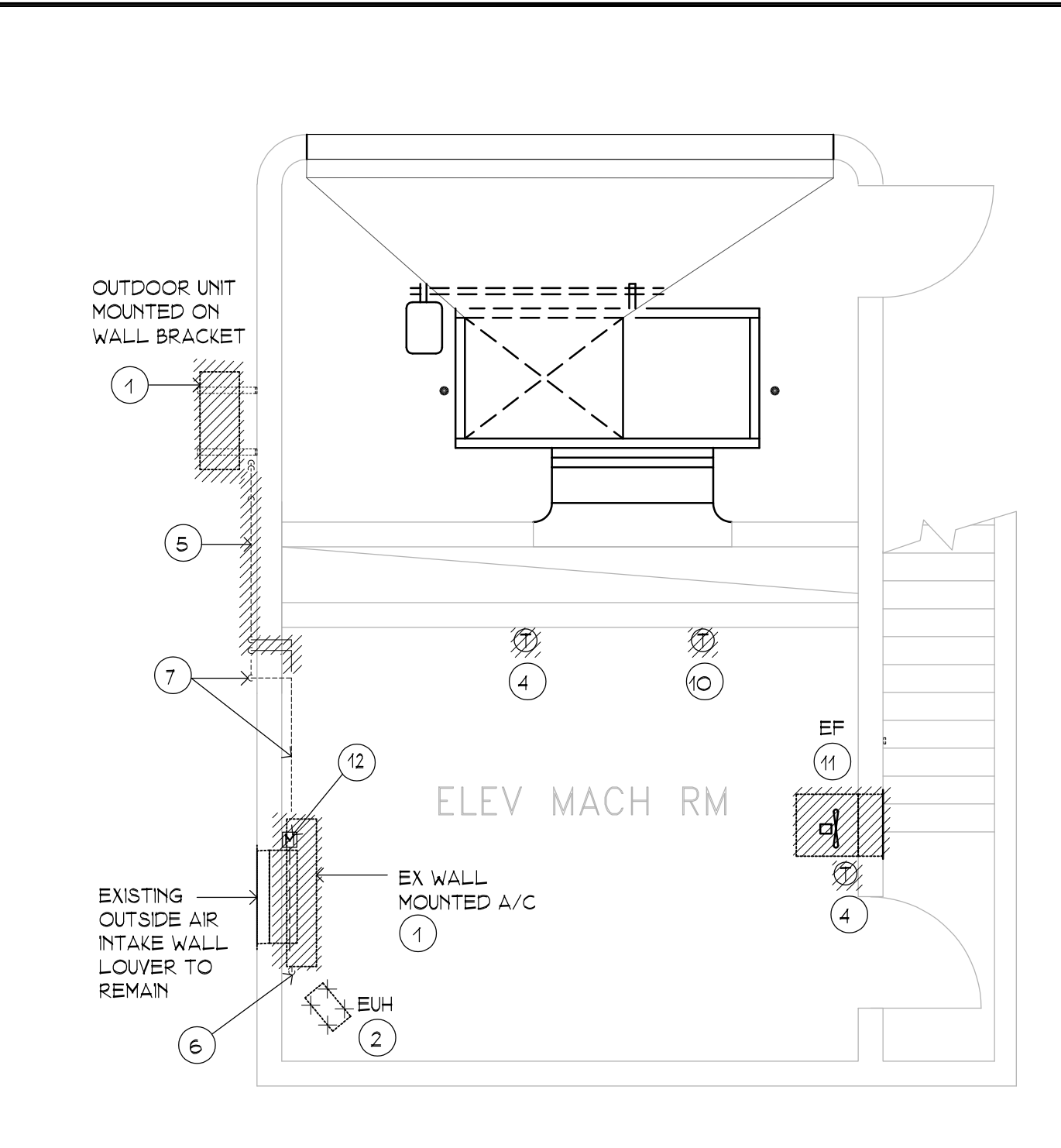
TEMPLE STREET GARAGE  
GROUND FLOOR EMR DEMOLITION PLAN

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



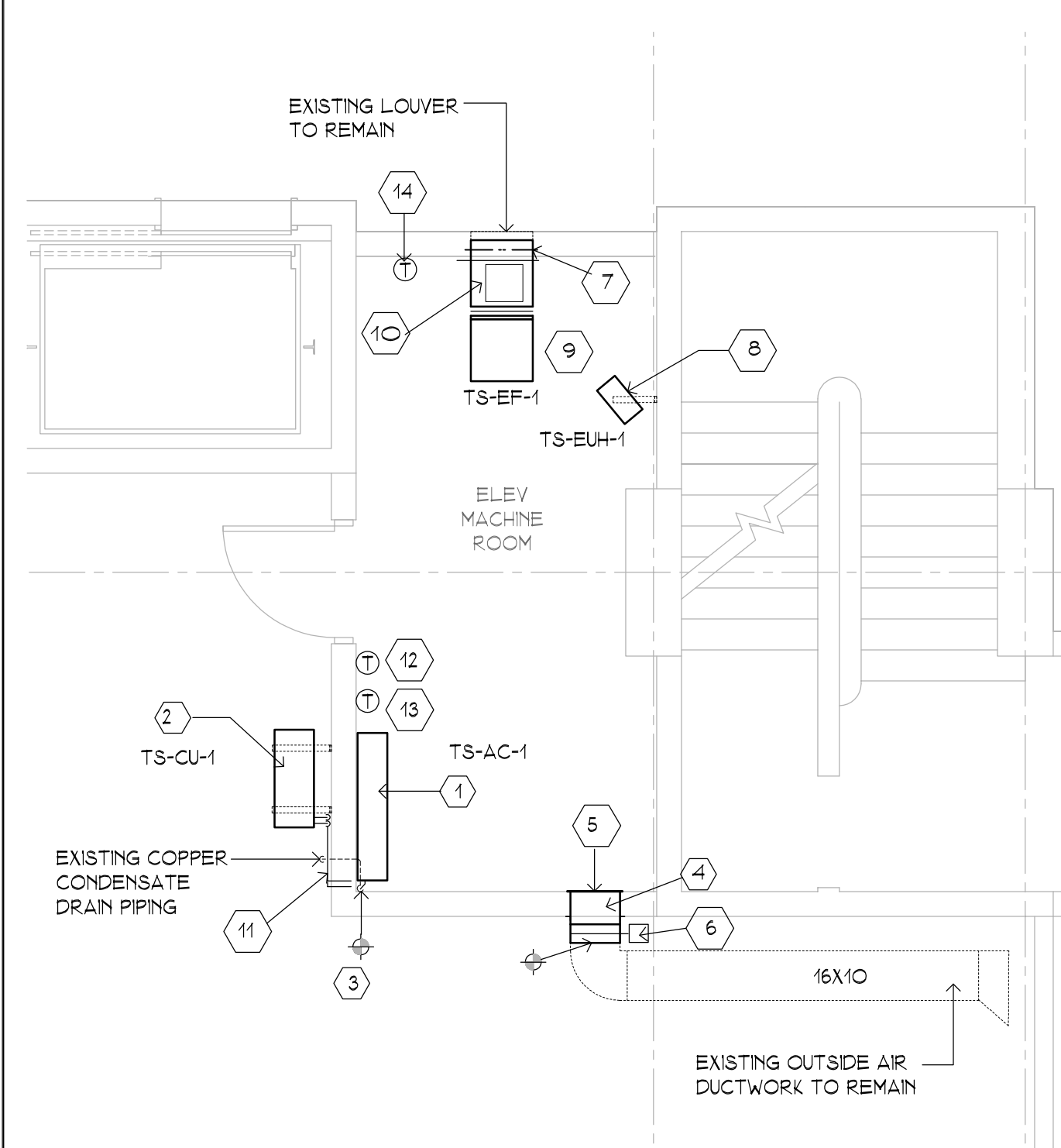
TEMPLE STREET GARAGE  
ROOF EMR FAN ROOM #2 DEMOLITION PLAN

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



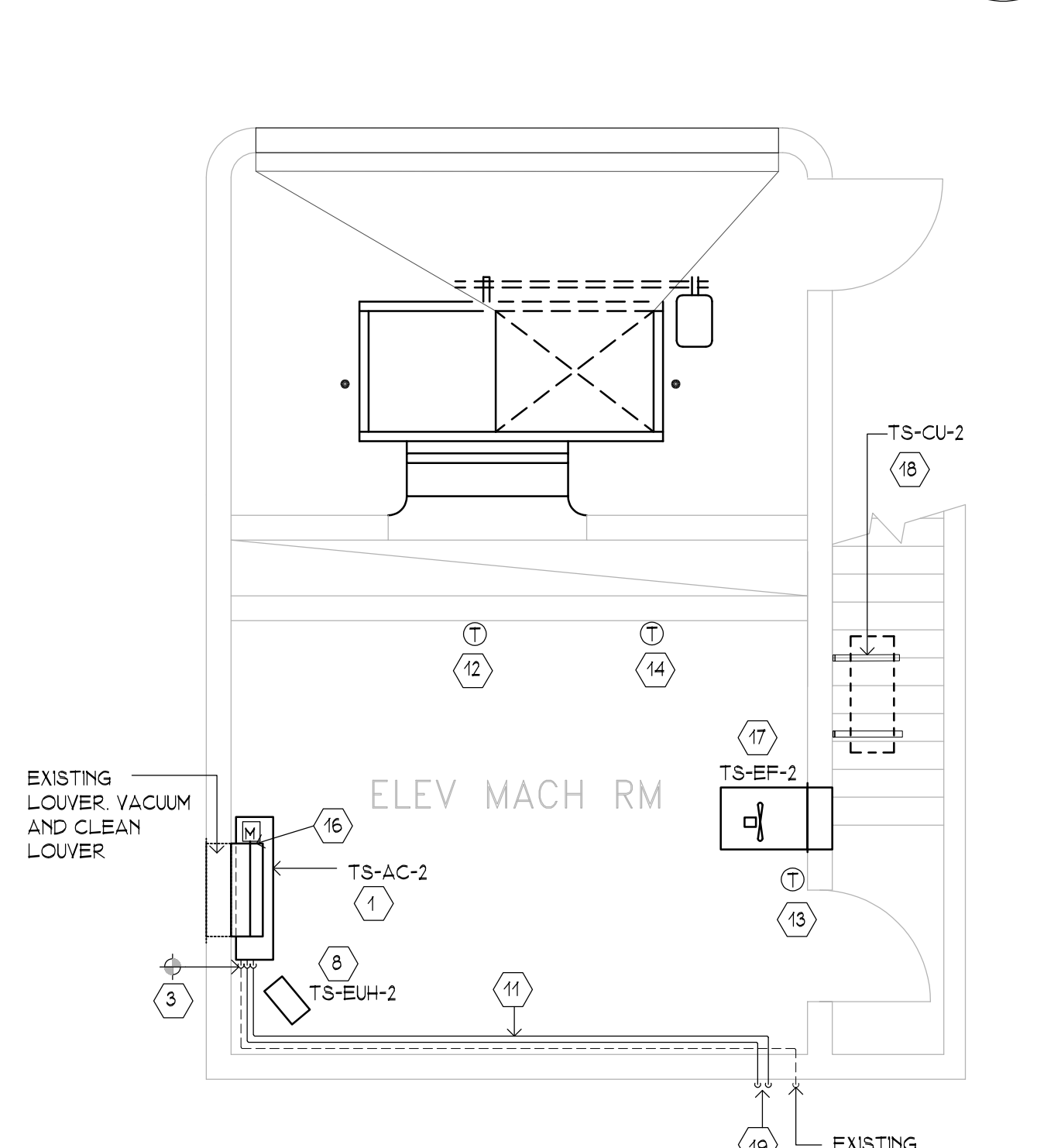
TEMPLE STREET GARAGE  
ROOF EMR FAN ROOM #3 DEMOLITION PLAN

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



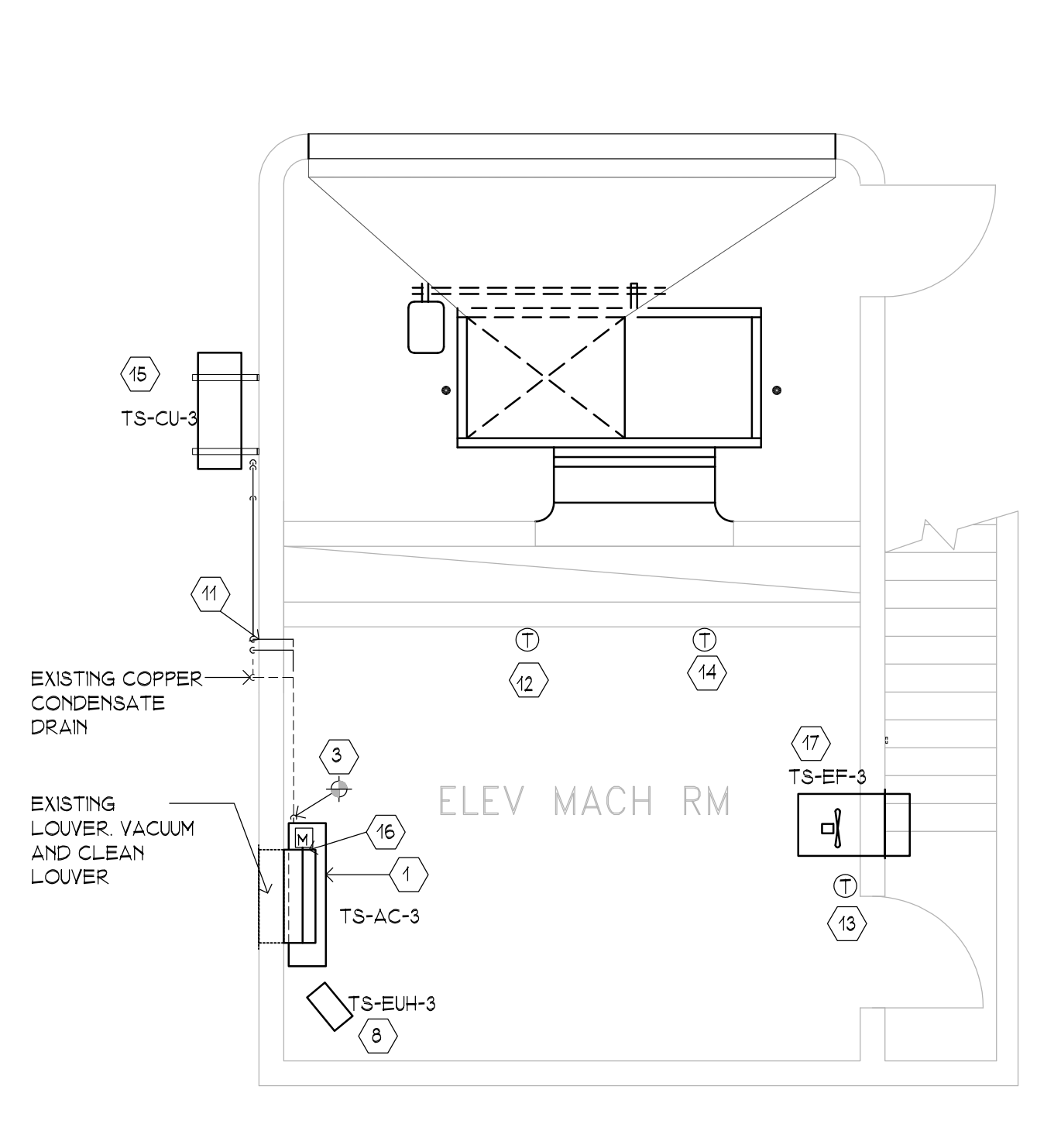
TEMPLE STREET GARAGE  
GROUND FLOOR EMR MECHANICAL PLAN

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



TEMPLE STREET GARAGE  
ROOF EMR FAN ROOM #2 MECHANICAL PLAN

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



TEMPLE STREET GARAGE  
ROOF EMR FAN ROOM #3 MECHANICAL PLAN

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

SCHEDULE FOR DUCTLESS SPLIT SYSTEM													
INDOOR UNIT				OUTDOOR UNIT				COOLING PERFORMANCE				ELECTRICAL	
TAG	AREA SERVED	TYPE AND MODEL	W X H X D INCH	WEIGHT (LBS)	TAG	MODEL	W X H X D INCH	WEIGHT (LBS)	CAPACITY (BTU/HR)	MINIMUM	RATED	EER	SEER
TS-AC-1	GROUND FLOOR EMR	WALL MOUNTED PKA-AK24NL	46.1 X 14.375 X 11.625	46	TS-CU-1	PUY-AH24NL	37.4 X 37.1 X 16.6	151	10,000	24,000	132	22.6	208-230/1/60
TS-AC-2	ROOF EMR (FAN ROOM #2)	WALL MOUNTED PKA-AK24NL	46.1 X 14.375 X 11.625	46	TS-CU-2	PUY-AH24NL	37.4 X 37.1 X 16.6	151	10,000	24,000	132	22.6	208-230/1/60
TS-AC-3	ROOF EMR (FAN ROOM #3)	WALL MOUNTED PKA-AK24NL	46.1 X 14.375 X 11.625	46	TS-CU-3	PUY-AH24NL	37.4 X 37.1 X 16.6	151	10,000	24,000	132	22.6	208-230/1/60
NOTES													
1 PROVIDE DISCONNECT SWITCH				3 PROVIDE LOW AMBIENT WIND Baffle FOR COOLING OPERATION DOWN TO -40 DEG F									
2 MANUFACTURER PROVIDED WALL MOUNTED WIRED CONTROLLER				4 INDOOR UNIT TO RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTING WIRING									
				5 SIDEWALL MOUNTED OUTDOOR UNIT PROVIDE WITH WALL BRACKET									

ELECTRIC UNIT HEATER SCHEDULE									
(BASED ON QMARK)									
TAG	LOCATION	CFM	HEATING CAPACITY (KW)	VOLTS/PH	A	CONTROL VOLT	MODEL	NOTES	
TS-EUH-1	GROUND FLR EMR	350	3.0	480/3	3.6	24	MH03-41	1, 2, 3, 4	
TS-EUH-2	ROOF EMR (FAN ROOM #2)	350	3.0	277/1	11	277	MH03-71	2, 3, 4	
TS-EUH-3	ROOF EMR (FAN ROOM #3)	350	3.0	277/1	11	277	MH03-71	2, 3, 4	
NOTES									
1 PROVIDE WITH FACTORY INSTALLED 24V CONTROL TRANSFORMER				3 PROVIDE WITH WALL MOUNTED THERMOSTAT					
2 PROVIDE WITH AUTOMATIC RESET LINEAR THERMAL CUT-OFF, CAPILLARY TYPE TO PROVIDE PROTECTION OVER ENTIRE LENGTH OF ELEMENTS				4 PROVIDE DISCONNECT SWITCH					

EXHAUST FAN SCHEDULE												
(BASED ON LOREN CORK)												
TAG	AREA SERVED	TYPE	CFM	STATIC PRESS (IN WG)	FAN RPM	ELECTRICAL	MOTOR	MODEL	DAMPER ACTUATOR VOLTAGE	NOTES		
TS-EF-1	GROUND FLR EMR	IN-LINE	800	0.20	1623	115/1	1/4	OPEN-EC	1725	100SQND-VF	115 V BACKDRAFT DAMPER	1, 3
TS-EF-2	ROOF EMR (FAN ROOM #2)	PACKAGED WALL FAN	1271	0.125	1530	115/1	1/4	OPEN-EC	1725	12XPD-EC	115 V SHUTTER	2, 3
TS-EF-3	ROOF EMR (FAN ROOM #3)	PACKAGED WALL FAN	1271	0.125	1530	115/1	1/4	OPEN-EC	1725	12XPD-EC	115 V SHUTTER	2, 3
NOTES												
1 DIRECT DRIVE IN-LINE EXHAUST FAN PROVIDE WITH DISCONNECT SWITCH, FAN HOUSING WITH 0.5-INCH THICK INSULATION, EC MOTOR, MOTORIZED BACKDRAFT DAMPER												
2 DIRECT DRIVE PACKAGED WALL FAN PROVIDE WITH DISCONNECT SWITCH, EC MOTOR, MOTORIZED SHUTTER, EXPANDED METAL SHUTTER GUARD WITH INSECT SCREEN AND WEATHERHOOD												
3 PROVIDE WITH TEMPERATURE CONTROLLER LOREN CORK MODEL VFTC AND VARIFLOW AIR BALANCE KIT (VFABK) PROVIDE VFABK WITH 24-VOLT TRANSFORMER, INTERLOCK WITH THE EXHAUST FAN AND THE OA MOTORIZED DAMPER. CONTRACTOR TO PROVIDE ALL REQUIRED DEVICES AND INTERLOCK WIRINGS.												

#### DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING EQUIPMENT TO BE REMOVED
	EXISTING PIPING OR EQUIPMENT TO BE REMOVED

#### PLAN DEMOLITION NOTES

- EXISTING DUCTLESS SPLIT SYSTEM TO BE REPLACED. DISCONNECT AND REMOVE EXISTING DUCTLESS SPLIT SYSTEM. DISCONNECT AND REMOVE EXISTING REFRIGERATION PIPING AND PIPING INSULATION. RECOVER EXISTING REFRIGERANT IN THE SYSTEM PRIOR TO DISCONNECTION. DISPOSE RECOVERED REFRIGERANT IN ACCORDANCE WITH THE EPA REQUIREMENTS.
- EXISTING ELECTRIC UNIT HEATER TO BE REPLACED. DISCONNECT AND REMOVE EXISTING ELECTRIC UNIT HEATER. EXISTING WALL BRACKET TO REMAIN.
- EXISTING EXHAUST FAN TO BE REPLACED. DISCONNECT AND REMOVE EXISTING EXHAUST FAN. EXISTING HANGER AND SUPPORT TO REMAIN.
- EXISTING WALL MOUNTED THERMOSTAT TO BE REPLACED.
- EXISTING REFRIGERATION PIPING AND INSULATION TO BE REMOVED AND REPLACED.
- EXISTING CONDENSATE DRAIN TUBING FROM UNIT TO EXISTING COPPER CONDENSATE DRAIN PIPING TO BE REMOVED.
- EXISTING COPPER CONDENSATE DRAIN PIPING TO REMAIN.
- EXISTING FIRE DAMPER TO BE REPLACED.
- DISCONNECT AND REMOVE EXISTING EXHAUST DUCTWORK.
- EXISTING WIRELESS DUCTLESS SPLIT SYSTEM CONTROLLER TO BE REMOVED AND REPLACED.
- EXISTING WALL MOUNTED PROPELLER EXHAUST FAN TO BE REPLACED. DISCONNECT AND REMOVE EXISTING EXHAUST FAN, WALL COLLAR AND EXTERIOR SCREEN.
- EXISTING 30X24 OA DAMPER TO REMOVED AND REPLACED.

#### CONSTRUCTION NOTES

- NUMBERED NOTES ARE APPLICABLE TO DRAWING SHEET ONLY.
- DUCTLESS SPLIT WALL MOUNTED NOOD UNIT. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS. PROVIDE WITH WALL BRACKET.
  - SIDEWALL MOUNTED CONDENSING UNIT. PROVIDE WITH MOUNTING BRACKET SUITED FOR THE NEW CONDENSING UNIT SIZE AND WEIGHT. MOUNT TOP ELEVATION OF CONDENSING UNIT 6-INCHES BELOW CONCRETE STRUCTURE. COORDINATE HEIGHT OF MOUNTING BRACKET IN FIELD.
  - GENERAL LOCATION OF CONDENSATE DRAIN PIPING FROM INDOOR UNIT CONNECTION TO EXISTING COPPER CONDENSATE DRAIN PIPING. CONTRACTOR TO PROVIDE THE REQUIRED PITCH FOR GRAVITY DRAIN CONNECTION. COORDINATE IN FIELD. NEW AND EXISTING CONDENSATE DRAIN PIPING LOCATED INSIDE THE EMR SHALL BE PROVIDED WITH 1/2 INCH THICK INSULATION.
  - STATIC FIRE DAMPER WITH INTEGRAL SLEEVE FOR USE WITH GRILLE UL 555 CLASSIFIED 1-1/2 HR RATING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ACCESS TO FIRE DAMPER SHALL BE FROM THE GRILLE CUT. PATCH AND REPAIR WALLS AS REQUIRED. PROVIDE FIRESTOP AT WALL PENETRATION.
  - SIDEWALL GRILLE, TITUS MODEL 350RL, 16X10.
  - 16X10 MOTORIZED DAMPER. EQUIVALENT TO RUSKIN MODEL CD60. PROVIDE WITH 24V 2-POSITION DAMPER ACTUATOR. INTERLOCK WITH THERMOSTAT AND EXHAUST FAN.
  - 20X20 STATIC FIRE DAMPER WITH INTEGRAL SLEEVE. UL 555 CLASSIFIED 1-1/2 HR RATING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ACCESS TO FIRE DAMPER SHALL BE FROM THE DUCT MOUNTED ACCESS DOOR. CUT, PATCH AND REPAIR WALLS AS REQUIRED. PROVIDE FIRESTOP AT WALL PENETRATION.
  - ELECTRIC UNIT HEATER. SUSPEND FROM EXISTING BRACKET.
  - EXHAUST FAN SUPPORTED FROM EXISTING HANGER. PROVIDE WITH MOTORIZED BACKDRAFT DAMPER WITH THE SAME VOLTAGE AS THE FAN MOTOR. PROVIDE WIRE MESH SCREEN AT INTAKE.
  - 20X20 EXHAUST DUCTWORK. PROVIDE WITH 12X12 ACCESS DOOR.
  - INSULATED LIQUID AND GAS REFRIGERATION PIPING FROM INDOOR UNIT TO OUTDOOR UNIT. PROVIDE METAL JACKET FOR ALL EXPOSED PIPING ALONG THE WALL. COORDINATE ROUTING IN FIELD. PROVIDE FIRESTOP CALLING AT RATED WALL PENETRATION.
  - WALL MOUNTED THERMOSTAT. INTERLOCK WITH ELECTRIC UNIT HEATER.
  - TEMPERATURE CONTROLLER LOREN CORK MODEL VFTC AND VARIFLOW AIR BALANCE KIT (VFABK) OR EQUIVALENT. PROVIDE VFABK WITH 24-VOLT TRANSFORMER. CONTROLLER WILL BE INTERLOCKED WITH THE EXHAUST FAN AND THE OA MOTORIZED DAMPER. PROVIDE ALL REQUIRED DEVICES AND INTERLOCK WIRINGS.
  - WIRED WALL MOUNTED DUCTLESS SPLIT SYSTEM CONTROLLER. PROVIDE WITH INTERLOCK WIRING.
  - SIDEWALL MOUNTED CONDENSING UNIT. PROVIDE WITH MOUNTING BRACKET SUITED FOR THE NEW CONDENSING UNIT SIZE AND WEIGHT. MOUNT TOP ELEVATION OF CONDENSING UNIT 6-INCHES BELOW CONCRETE STRUCTURE. COORDINATE HEIGHT OF MOUNTING BRACKET IN FIELD.
  - PROVIDE NEW PLENUM TO ACCOMMODATE NEW 30X24 OUTSIDE AIR DAMPER. COORDINATE IN FIELD. PROVIDE OUTSIDE AIR MOTORIZED DAMPER WITH 115V ACTUATOR.
  - NEW DIRECT DRIVE PACKAGED WALL FAN. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. PROVIDE WITH 115 V MOTORIZED SHUTTER INTERLOCKED WITH THE EXHAUST FAN. INSTALL SHUTTER. SHUTTER GUARD AND WEATHERHOOD IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.
  - SIDEWALL MOUNTED CONDENSING UNIT. PROVIDE WITH MOUNTING BRACKET SUITED FOR THE NEW CONDENSING UNIT SIZE AND WEIGHT. MOUNT TOP ELEVATION OF CONDENSING UNIT 6-INCHES BELOW EXTERIOR STAIRS. COORDINATE HEIGHT OF MOUNTING BRACKET IN FIELD.
  - INSULATED LIQUID AND GAS REFRIGERATION PIPING ROUTED EXPOSED ALONG EXTERIOR WALL. TO CONDENSING UNIT BELOW STAIRS. COORDINATE EXACT ROUTING IN FIELD.

#### SYMBOL LEGEND

SYMBOL LEGEND (NOT ALL SYMBOLS ARE USED)	
	REFERENCE, NUMBER INDICATES NOTE
	EXISTING PIPING OR EQUIPMENT
	EXISTING PIPING OR EQUIPMENT
	FLEXIBLE DUCT CONNECTION
	POINT OF CONNECTION
	TRANSITION
	MOTORIZED DAMPER
	FIRE DAMPER
	FIRE DAMPER WITH ACCESS DOOR
	THERMOSTAT/SENSOR
	PIPE ELBOW, TURNED DOWN
	PIPE COUPLING (JOINT)

#### ABBREVIATIONS

ABBREVIATIONS (NOT ALL SYMBOLS ARE USED)	
AC-#	INDOOR AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CUH	CABINET UNIT HEATER
DB	DRY BULB
DD	DIRECT DRIVE
EF-#	EXHAUST FAN
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EMR	ELEVATOR MACHINE ROOM
EUH-#	ELECTRIC UNIT HEATER
EX	EXISTING
EXH	EXHAUST
F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPERES
FT	FEET
GC	GENERAL CONTRACTOR
HP	HORSEPOWER
HTG	HEATING
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
MBH	1000 BTUS
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
OA	OUTSIDE AIR
OAT	OUTDOOR AIR TEMPERATURE
PH	PHASE
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE
SQ FT	SQUARE FOOT (AREA)
ST	SINGLE POLE SWITCH
SWR	W/THERMAL OVERLOAD
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOT	TOTAL
TYP	TYPICAL
W	WITH
WB	WET BULB
WMS	WIRE MESH SCREEN
WT	WEIGHT (LBS)

#### GENERAL

- THE INTENT OF THESE CONTRACT DOCUMENTS IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE HVAC SYSTEMS. ALL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS, OPERATING, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR GENERAL USE BY THE OWNER.
- THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS, INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS OF ALL TRADES BEFORE SUBMITTING BID. REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS, INCLUDING ALL EQUIPMENT SCHEDULES FOR MECHANICAL AND ELECTRICAL INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING PRIOR TO SUBMITTING BID.
- ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO FORM A TOTAL DESIGN PACKAGE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE WHICH TRADE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.
- ALL WORK AND ACTION DEPICTED AND DESCRIBED IN CONTRACT DOCUMENTS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED FOR INSTALLATION ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- WHEN CONFLICTS OCCUR BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL CARRY AS PART OF THE BID THE LARGER QUANTITY AND/OR MORE EXPENSIVE ITEM(S).
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.
- ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT ARE REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION SHALL BE PROVIDED WITHOUT ADDITIONAL COST.
- OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
- PROVIDE SUPPORT/BRACING OF EQUIPMENT AND BUILDING SERVICES AS REQUIRED BY THE BUILDING CODE.
- REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
- ALL EQUIPMENT, MATERIALS AND RELATED SYSTEMS COMPONENTS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL EQUIPMENT PIPING, DUCTWORK SHALL BE SUPPORTED AS DETAILED, SPECIFIED AND REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
- CONTRACTORS SHALL PROVIDE ALL REQUIRED SLEEVES AND SEALS FOR PIPES OR CONDUIT PENETRATING WALLS OR FLOOR SLABS WITH FIRE STOPPING SEALANT WHERE REQUIRED.
- PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT.
- INSTALL COMPLETE OPERATING SYSTEMS. PROVIDE ALL COMPONENTS, DEVICES, CONTROLS, RELAYS, TRANSFORMERS, ETC., WHETHER INDICATED OR NOT, FOR COMPLETE SYSTEMS AS INTENDED BY THE CONSTRUCTION DOCUMENTS.
- ALL PENETRATIONS THRU RATED WALLS, FLOORS & CEILINGS SHALL BE SEALED USING UL LISTED METHODS APPROPRIATE FOR INDICATED RATING.
- PROVIDE ACCESS DOORS/PANELS FOR INSTALLATION IN WALLS AND/OR CEILINGS, WHERE REQUIRED, TO SERVICE FIRE DAMPER.
- PROVIDE ACCESS DOORS/PANELS FOR INSTALLATION IN WALLS AND/OR CEILINGS, WHERE REQUIRED, TO SERVICE FIRE DAMPER.

#### ALTERATION WORK AND DEMOLITION

- THE EXISTING CONDITIONS REPRESENTED HEREON ARE BASED ON GENERAL LOCATIONS OF EXISTING COMPONENTS IN THE FIELD AND ARE SHOWN ON THIS DRAWING FOR CONTRACTOR'S REFERENCE ONLY. ACTUAL LOCATION AND SIZE OF EQUIPMENT AND DUCTWORK AND EXTENT OF DUCTWORK ROUTING PIPING AND EXTENT OF PIPING LENGTH AND ROUTING AND UTILITIES MAY VARY IN FIELD. MECHANICAL CONTRACTOR SHALL VERIFY LOCATIONS IN FIELD AND MAKE ALLOWANCE IN BID FOR LOCATIONS AND ARRANGEMENTS OTHER THAN SHOWN.
- THE DEMOLITION NOTES ARE FOR DESCRIPTIVE GUIDE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS WHETHER OR NOT INDICATED AND/OR NOTED ON THE DRAWINGS. INCLUSION OF THESE EXISTING CONDITIONS HEREON SHALL IN NO WAY ALLEVIATE THE CONTRACTOR(S) OF HIS RESPONSIBILITY TO VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS.
- REMOVE, MODIFY AND REPLACE EXISTING SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW HVAC SYSTEMS.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY PIECE OF EQUIPMENT, PIPING OR CONDUIT TO BE REMOVED. EQUIPMENT NOT BEING USED SHALL BE REMOVED INCLUDING ALL ASSOCIATED HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES AND CONTROLS BACK TO THE POINT OF ORIGIN.
- ALL WASTE MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM SITE AND SHALL BE LEGALLY DISPOSED BY THE CONTRACTOR.
- NO EQUIPMENT, PIPING OR CONDUIT SHALL BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
- NO WORK SHALL BE LEFT INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUTOFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S WRITTEN PERMISSION.
- COORDINATE SHUTDOWN OF EXISTING SERVICES WITH OWNER'S MAINTENANCE PERSONNEL. NO WORK SHALL TAKE PLACE UNTIL DONE SO.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL TRADES.
- PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE RATED PARTITIONS.
- MAINTAIN MANUFACTURER'S RECOMMENDED MINIMUM CLEARANCES FOR INSTALLATION OF EQUIPMENT.
- INSTALL COMPLETE OPERATING SYSTEMS. PROVIDE ALL COMPONENTS, DEVICES, CONTROLS, RELAYS, TRANSFORMERS, ETC., WHETHER INDICATED OR NOT, FOR COMPLETE SYSTEMS AS INTENDED BY THE CONSTRUCTION DOCUMENTS.
- THE TEMPERATURE CONTROL SYSTEM SHALL BE COMPLETE IN ALL REGARDS, TESTED AND CAPABLE OF ACHIEVING THE SEQUENCES OF OPERATION. ALL DEVICES SHALL BE UNDER SYSTEM CONTROL. ALL SPACES SHALL BE THERMOSTATICALLY CONTROLLED WHETHER OR NOT A THERMOSTAT, SENSOR OR CONTROLLER IS INDICATED.

DESIGN  
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ELEVATOR & ESCALATOR MODERNIZATION AND SERVICE  
AT THE  
NEW HAVEN PARKING AUTHORITY FACILITIES  
NEW HAVEN, CONNECTICUT

NO. DATE BY  
REVISIONS  
DRAWING TITLE  
TEMPLE STREET GARAGE  
GROUND FLOOR AND ROOF EMR PLANS  
DRAWING NO.  
TS-M-1  
SCALE: AS NOTED  
DATE: JULY 2025  
PROJECT NO. 20-2017600-2  
NHPA NO. 21-011  
DESIGN AMG DRAWN AMG CH'KD. AMG  
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