

AC	ABOVE FINISH FLOOR	ID	INSIDE DIAMETER
AFF	AIR COMPRESSOR	I.E.	INVERT ELEVATION
AHU	AIR HANDLING UNIT	IAH	INTAKE HOOD
AS	AIR SEPARATOR		
A.T.C.	ARCHITECTURAL TRADES CONTRACTOR	LAT	LEAVING AIR TEMPERATURE
		LH	LATENT HEAT (MBH)
B	BOILER	LWT	LEAVING WATER TEMPERATURE
B.A.S.	BUILDING AUTOMATION SYSTEM		
		MAX	MAXIMUM
CAF	COMBUSTION AIR FAN	MBH	BTU PER HOUR (THOUSAND)
CC	COOLING COIL	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	M.T.C.	MECHANICAL TRADES CONTRACTOR
CHLR	CHILLER		
CHP	CONSOLE HEAT PUMP	N.C.	NOISE CRITERIA
CONV	CONVECTOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CT	COOLING TOWER	NTS	NOT TO SCALE
CU	CONDENSING UNIT		
CUH	CABINET UNIT HEATER	P	PUMP
CV	CONTROL VALVE	PCR	PUMPED CONDENSATE RETURN
CWP	CHILLED WATER PUMP	PD	PRESSURE DROP
DB	DRY BULB	RCP	RADIANT CEILING PANEL
DFU	DUCT FURNACE	REQD	REQUIRED
DIA	DIAMETER	RG	RETURN GRILLE
DN	DOWN	RH	RELATIVE HUMIDITY
DPR	DAMPER	RLH	RELIEF HOOD
DS	DUCT SILENCER	RTU	ROOF TOP UNIT
EAT	ENTERING AIR TEMPERATURE	SD	SUPPLY DIFFUSER
EF	EXHAUST FAN	SF	SUPPLY FAN
EG	EXHAUST GRILLE	SG	SUPPLY GRILLE
E.T.C.	ELECTRICAL TRADES CONTRACTOR	SH	SENSIBLE HEAT (MBH)
EV	EVAPORATOR	SM	SHEET METAL
EWT	ENTERING WATER TEMPERATURE	SQ. FT.	SQUARE FEET
EXH	EXHAUST	SST	SATURATED SUCTION TEMPERATURE
EXIST	EXISTING	STR	STRAINER
FF	FINISH FLOOR	TC	TOTAL COOLING (MBH)
FM	FEET PER MINUTE	TCL	TEMPERATURE CONTROL
FT	FEET	TSP	TEMPERATURE & PRESSURE RELIEF VALVE
FTR	FINNED TUBE RADIATION	TYP	TYPICAL
FU	FURNACE		
		UH	UNIT HEATER
GAL	GALLON		
GFRH	GAS FIRED RADIANT HEATER	VAV	VARIABLE AIR VOLUME BOX
GR	GRILLE	VRH	VARIABLE AIR VOLUME REHEAT BOX
		FPAIV	FAN POWERED VARIABLE AIR VOLUME BOX
		V.F.D	VARIABLE FREQUENCY DRIVE
H	HUMIDIFIER		
HC	HEATING COIL		
HD	HEAD (FT)	ZD	ZONE DAMPER
HP	HORSE POWER		
HPH	HORIZONTAL HEAT PUMP	X-SA	EXISTING ITEM (EXISTING SUPPLY AIR DUCT)
HTG	HEATING		
HVAC	HEATING, VENTILATION, & AIR CONDITIONING		
HWP	HEATING WATER PUMP		EXISTING
HX	HEAT EXCHANGER		

1.	ALL WORK SHALL CONFORM TO MICHIGAN MECHANICAL CODE, LATEST APPLICABLE EDITION.	13.	PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE RECEIVED.
2.	INSTALL ALL EQUIPMENT, MATERIALS, AND ACCESSORIES PER MANUFACTURERS' WRITTEN INSTRUCTIONS.	14.	WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS' LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR OTHERS, THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT INDICATED ON THE DRAWING AND SPECIFICATIONS.
3.	FIELD VERIFY LOCATIONS OF EXISTING PIPING THAT MAY CONFLICT WITH NEW CONSTRUCTION AND RELOCATE AS NEEDED.	15.	PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS, AND ALL OTHER TRACES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE HIS WORK AT HIS EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.
4.	CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER DISCIPLINES PRIOR TO CONSTRUCTION TO AVOID CONFLICTS.	16.	UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE, PROVIDE CHROME ESCUTCHEON OR ALUMINUM DUCT COLLAR AT EACH PENETRATION OF A FINISHED SURFACE.
5.	PROVIDE MANUAL AIR VENTS WITH 3/4" HOSE CONNECTION AT ALL HIGH POINTS.	17.	DUCTTIPPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRICAL CODE.
6.	OFFSET PIPING TO ACCOMMODATE LARGE DUCTWORK.	18.	ANY ADDITIONAL LOW VOLTAGE CONTROL WIRING THAT IS REQUIRED SHALL BE PROVIDED BY THE HVAC CONTRACTOR. CONTROL WIRING SHALL BE RUN IN CONDUIT IF REQUIRED BY LOCAL CODES OR THE SPECIFICATIONS, POWER SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
7.	THE CONTRACTOR SHALL FIELD VERIFY THE SIZES, LOCATION, ELEVATIONS, AND DETAILS OF ALL EXISTING CONDITIONS THAT MAY AFFECT THE WORK.	19.	PROVIDE VIBRATION ISOLATION AT EACH CONNECTION TO A MOTORIZED PIECE OF EQUIPMENT BY THE HVAC CONTRACTOR.
8.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EQUIPMENT AND MATERIALS IN A "NEW" CONDITION DURING CONSTRUCTION.		
9.	ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND SUBCONTRACTORS AS REQUIRED BY LAW.		
10.	IF THERE IS CONFLICTING INFORMATION IN THE PLANS OR SPECIFICATIONS THE MORE STRINGENT AND GREATER COST ITEM SHALL BE USED.		
11.	DRAWINGS INDICATE REQUIRED SIZES AND POINTS OF TERMINATION OF PIPES AND SPECIFIED ROUTES. IT IS NOT INTENTION OF DRAWINGS TO INDICATE ALL NECESSARY OFFSETS. INSTALL WORK IN MANNER TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. DO NOT SCALE FROM DRAWINGS.		
12.	ANY INFORMATION FOUND ON THE DRAWINGS AND NOT IN THE SPECIFICATIONS, OR FOUND IN SPECIFICATIONS AND NOT IN THE DRAWINGS, SHALL BE CONSTRUED AS TO BE INCLUDED IN BOTH THE SPECIFICATIONS AND THE DRAWINGS. ANY CONFLICT BETWEEN THE PLANS AND THE SPECIFICATIONS WILL BE INTERPRETED BY THE ARCHITECT. IN THE EVENT OF CONFLICT, FOR THE PURPOSE OF BIDDING, THE CONTRACTOR SHALL PRESUME THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK SHALL PREVAIL.		

	SUPPLY AIR DUCT RISER
	RETURN AIR DUCT RISER
	OUTSIDE AIR DUCT RISER (AS NOTED)
	EXHAUST AIR DUCT
	INSULATED DUCTWORK (AS NOTED)
	SUPPLY AIR DIFFUSER (SQUARE)
	SUPPLY AIR DIFFUSER (INLINE)
	TURNING VANES
	SURFACE MTD. GRILLE
	SUPPLY AIR DIFFUSER (ROUND)
	90° TEE W/45° APPROACH
	CONICAL TAKE-OFF
	CONICAL TAKE-OFF W/ DAMPER
	BALANCE DAMPER
	RETURN AIR DUCT BOOT
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	VERTICAL FIRE DAMPER
	EXISTING VERTICAL FIRE DAMPER
	HORIZONTAL FIRE DAMPER
	EXISTING HORIZONTAL FIRE DAMPER
	VERTICAL SMOKE DAMPER
	HORIZONTAL SMOKE DAMPER
	VERTICAL FIRE / SMOKE DAMPER
	HORIZONTAL FIRE / SMOKE DAMPER
	DUCT SMOKE DETECTOR, INSTALLED PROVIDED & WIRED BY E.T.C.
	UNIT HEATER
	CEILING EXHAUST FAN
	ROOF MOUNTED EXHAUST FAN
	DEMOLITION

- POINT OF CONNECTION BETWEEN NEW AND EXISTING
- POINT OF EXISTING TO REMAIN AND EXISTING TO BE REMOVED
- INDICATES PLAN NOTE
- INDICATES DEMOLITION NOTE

DETAIL BUBBLE

- DETAIL NUMBER
- PAGE LOCATION INDICATES

 DIRECTION OF DETAIL SECTION

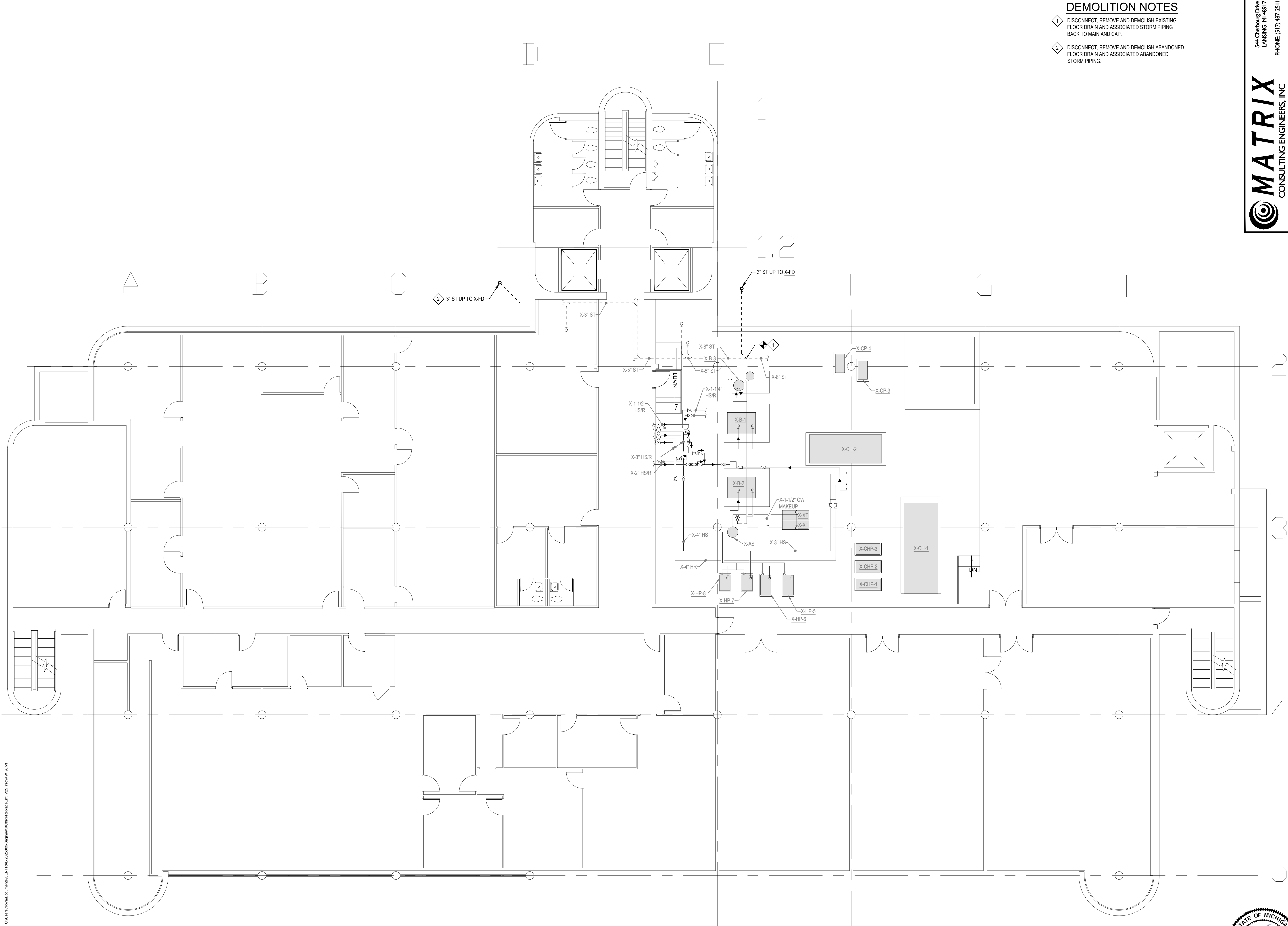
— SA —	SUPPLY AIR DUCT
— X-SA —	EXIST SUPPLY AIR DUCT
— RA —	RETURN AIR DUCT
— X-RA —	EXIST RETURN AIR DUCT
— OA —	OUTSIDE AIR DUCT
— X-OA —	EXIST OUTSIDE AIR DUCT
— EA —	EXHAUST AIR DUCT
— X-EA —	EXIST EXHAUST AIR DUCT

T	THERMOSTAT
T ^P	PROGRAMMABLE THERMOSTAT
T ^N	THERMOSTAT (W/ NIGHT SETBACK)
S	ROOM SENSOR
H	HUMIDISTAT
P	PRESSURE GAUGE
M—	DAMPER (ELECTRIC OPERATION)
M—	DAMPER (PNEUMATIC OPERATION)
∧	DAMPER BLADES

	FLOW DIRECTION
	PIPING DROP
	PIPING RISE
	INLINE PIPING DROP
	INLINE PIPING RISE
	PIPING TEE
	PIPING ELBOW
	THERMOMETER
	PUMP
	UNION
	PIPE ANCHOR
	PIPE GUIDE
	BACK FLOW PREVENTER
	PIPE CAP
	PIPE BREAK
	THERMOMETER WELL
	EXPANSION LOOP
	EXPANSION COMPENSATOR
	FLOAT & THERMOSTATIC STEAM TRAP
	INVERTED BUCKET STEAM TRAP



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DEMOLITION NOTES

1 DISCONNECT, REMOVE AND DEMOLISH EXISTING FLOOR DRAIN AND ASSOCIATED STORM PIPING BACK TO MAIN AND CAP.

2 DISCONNECT, REMOVE AND DEMOLISH ABANDONED FLOOR DRAIN AND ASSOCIATED ABANDONED STORM PIPING.

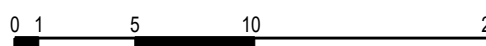
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EXTERIOR ENTRANCE REPLACEMENT FOR: JEROME T. HART STATE OFFICE BUILDING		
SAGINAW, MI 48607		
SHEET TITLE		
BASEMENT FLOOR PLAN – MECHANICAL DEMOLITION		
PROJECT NUMBER	SHEET NUMBER	
2025009	M300	
PROJECT DATE		
SEPT. 19, 2025		
CHECKED BY		
NLF		

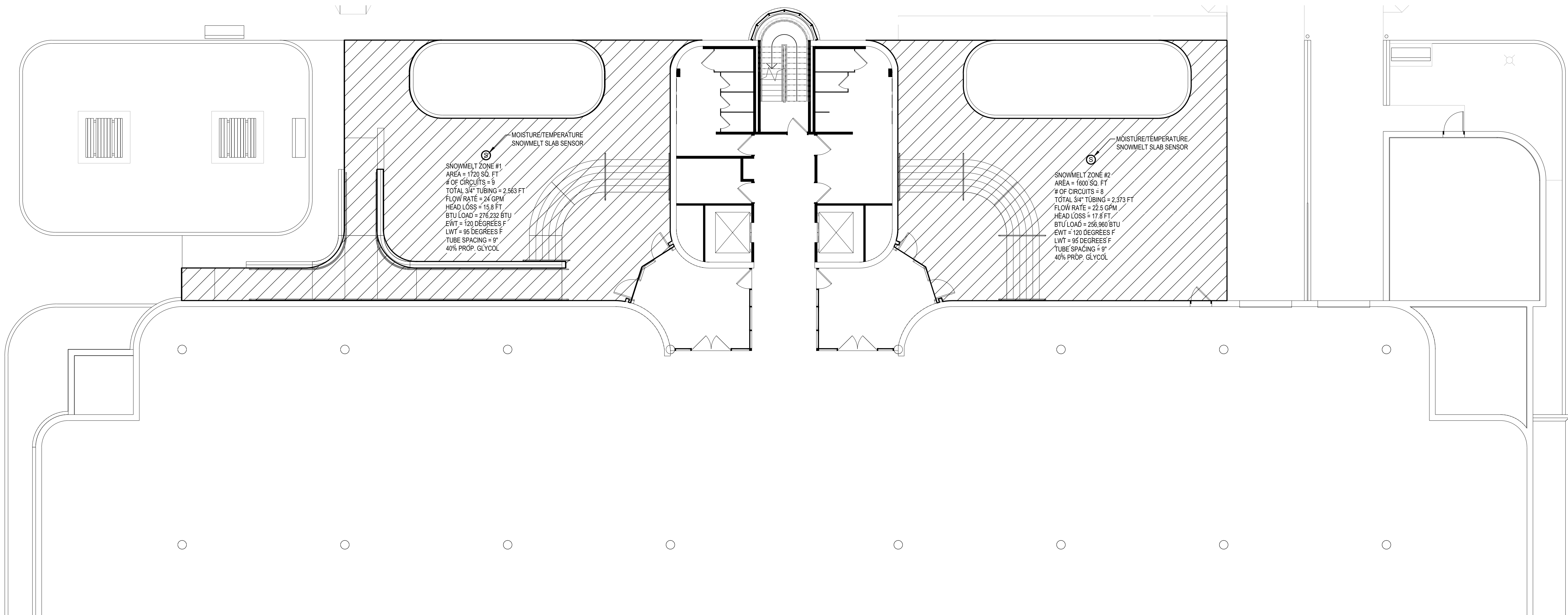
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 **BASMENT FLOOR PLAN - MECHANICAL DEMOLITION**


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



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SITE PLAN - MECHANICAL NEW

0 1 5 10 20
SCALE: 1/8" = 1'-0"

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STATE OFFICE BUILDING**

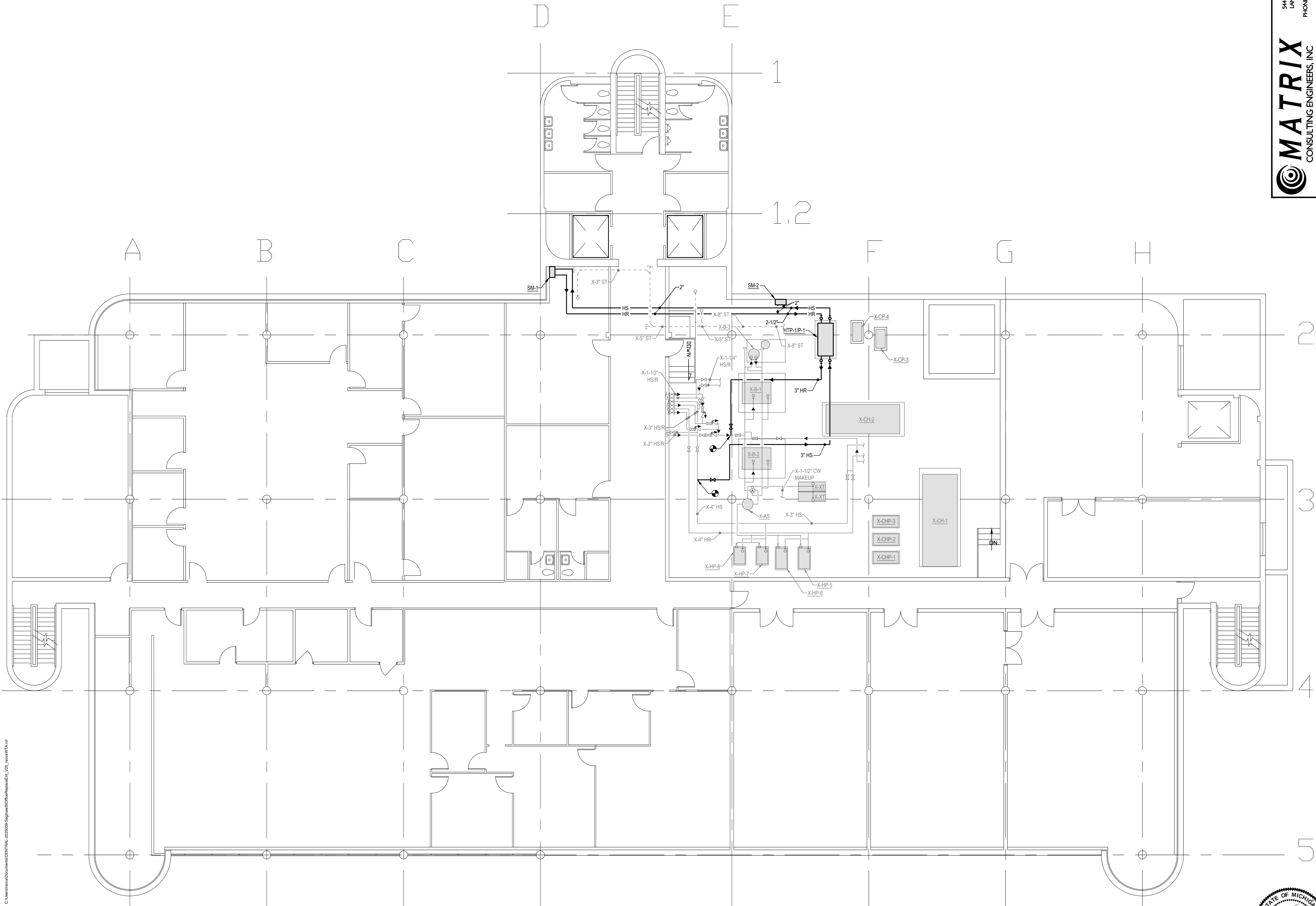
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SHEET TITLE
**SITE PLAN – MECHANICAL
NEW**

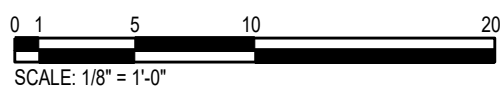
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PROJECT DATE SEPT. 19, 2025	
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BASMENT FLOOR PLAN - MECHANICAL NEW

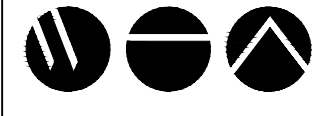




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SHEET TITLE
**BASEMENT FLOOR PLAN –
MECHANICAL NEW**

PROJECT NUMBER 2025009	SHEET NUMBER M401
PROJECT DATE SEPT. 19, 2025	
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The diagram consists of two parts, (a) and (b), illustrating the installation of a manifold.

Part (a) shows a **RETURN MANIFOLD**. It is a horizontal cylindrical component with four vertical outlets on its bottom. Each outlet is equipped with a **SHUTOFF VALVE** (indicated by a circle with an 'X') and a **BALANCE VALVE** (indicated by a circle with a vertical line). The manifold is secured by **MANIFOLD MOUNTING CLAMPS** on both ends. A **THERMOMETER (TYP.)** is shown inserted into the top of the manifold.

Part (b) shows a **SUPPLY MANIFOLD**. It is a similar horizontal cylindrical component with four vertical outlets on its bottom, each featuring a **SHUTOFF VALVE**. Like the return manifold, it is secured by **MANIFOLD MOUNTING CLAMPS** and has a **THERMOMETER (TYP.)** inserted into its top.

NOTE:
1. REFER TO PLANS FOR QUANTITY OF CIRCUITS.

CONTRACTOR TO COORDINATE DEPTH OF CONCRETE JOINTS AND SNOWMELT TUBING

CONCRETE

WIRE TIE

TUBING SHOULD BE IN TOP 1/3 OF SLAB WITH A 2" MIN. DEPTH OF COVERAGE

WIRE MESH BY OTHERS

PEX TUBING

COMPACTED SUB-GRADE

2" THICK HIGH DENSITY INSULATION

NOTE:
1. BRICK CHAIRS TO BE USED AS CONTRACTOR SEES FIT FOR INSTALLATION

3-WAY MODULATING CONTROL VALVE

RETURN MANIFOLD

HR

2"

BALANCE VALVE (TYP.)

BALANCE VALVE (TYP.)

SUPPLY MANIFOLD

HS

2"

STRAINER

	LIGHT FIXTURE		TVSS
	STRIP FIXTURE		MFB
	EMERGENCY LIGHT FIXTURE		IT
	IN-GRADE LIGHT FIXTURE		
	SPOTLIGHT (number of heads shown)		
	EXIT SIGN (face & direction as shown)		
	WALL MOUNT LIGHT FIXTURE		
	CEILING LIGHT FIXTURE		
	TRACK & FIXTURE		
	STREET TYPE POLE FIXTURE		
	POLE MOUNTED LIGHT FIXTURE		
	EXTERIOR WALL MOUNT LIGHT FIXTURE		
	WALLPACK LIGHT FIXTURE		
	SPECIAL PURPOSE LIGHT FIXTURE		
	HIGH BAY LIGHT FIXTURE		
	EMERGENCY EGRESS LIGHT FIXTURE (number of heads shown)		
	DOCK LIGHT FIXTURE		
<u>CIRCUITRY AND RACEWAYS</u>			
	CONDUIT INSTALLED (by E.C.)		
	CONDUIT INSTALLED (by others)		
	CONDUIT STUB UP		
	CONDUIT STUB DOWN		
	HOME RUN (with circuit numbers)		
	END OF CONDUIT RUN		
	END OF CONDUIT RUN, CAP AND STAKE		
	"CONDUIT RUN CONTINUES" INDICATION		
	FLEXIBLE PIGTAILS/CONNECTIONS		
	WIREMOLD AS SPECIFIED		
	PLUGMOLD AS SPECIFIED		
	BUS DUCT		
	UNDERFLOOR DUCT		
<u>SOUND AND SIGNAL</u>			
	SPEAKER		
	WALL MOUNTED SPEAKER		
	WALL MOUNTED SPEAKER / CLOCK COMBO		
	SINGLE FACE CLOCK		
	DUAL FACE CLOCK		
	VIDEO INPUT		
	AUDIO / VIDEO INPUT		
	BELL		
	VOLUME CONTROL		
	BUZZER		
	CHIME		
	TELEVISION OUTLET		
	MICROPHONE OUTLET		
	INTERCOM OUTLET		
	CAMERA		
	DOOR CONTACT		
	MOTION DETECTOR		
	BEAM DETECTOR		
	KEY PAD		
	SECURITY SYSTEM CONTROL PANEL		
	CCTV CONTROL PANEL		
	CARD READER		
	STUDENT STATION		
	ADMINISTRATION STATION		
	TEACHER STATION		
	GLASS BREAK		

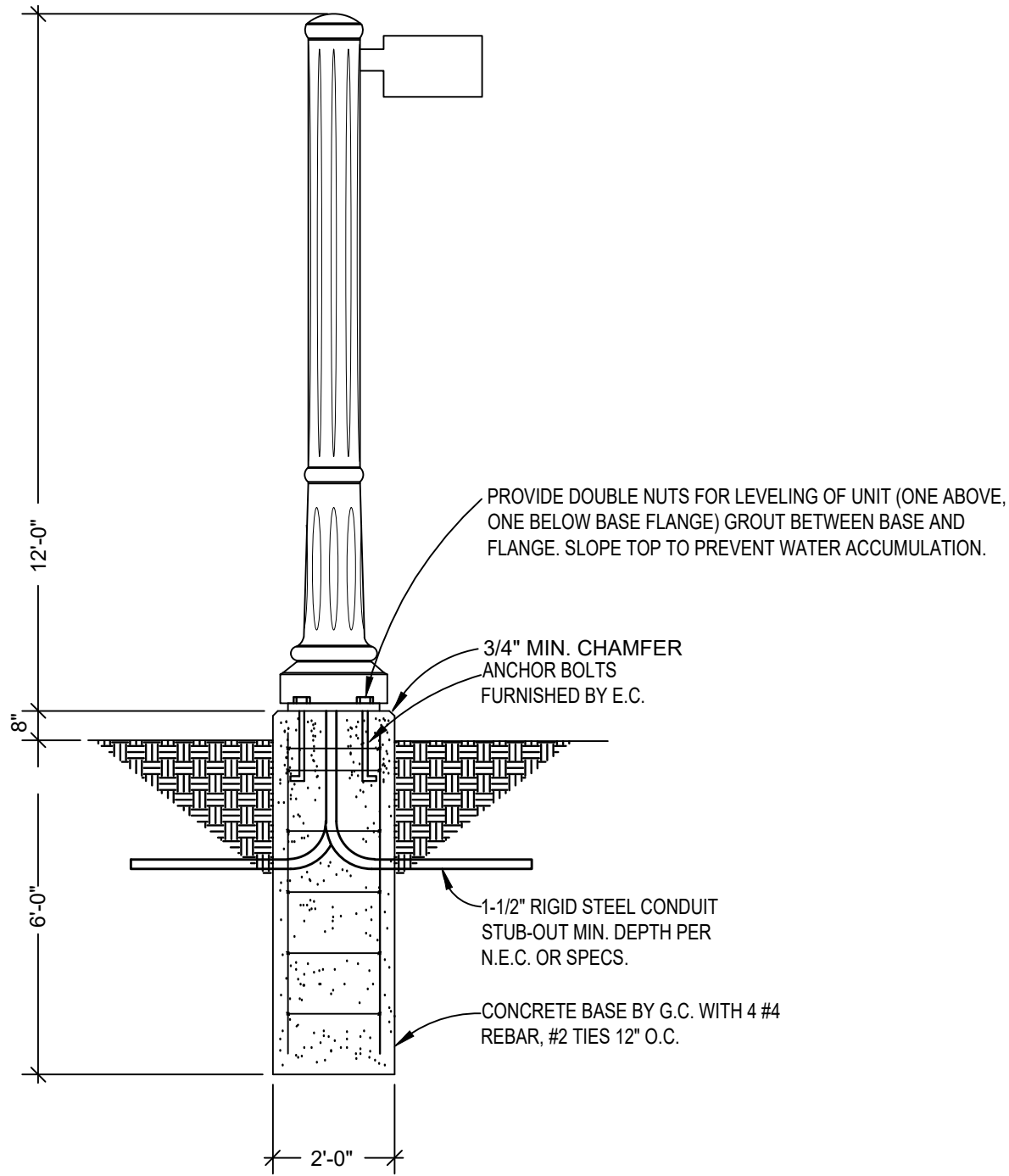
AC	AMPS	GC	GENERAL CONTRACTOR	P	POLE
ACU-	ABOVE COUNTER	GFI	GROUND FAULT INTERRUPTER	P-	PUMP
AFF	AIR CONDITIONING UNIT	GND	GROUND	PB	PULL BOX
AHJ	ABOVE FINISHED FLOOR			PNL	PANEL
AHU-	AUTHORITY HAVING JURISDICTION	H-	HUMIDIFIER	PRV-	POWER ROOF VENTILATOR
AIC	AIR HANDLING UNIT	HID	HIGH INTENSITY DISCHARGE	PVC	POLY VINYL CHLORIDE
AS	AMPS INTERRUPTING CAPACITY	HOA	HAND-OFF-AUTO SELECTOR SWITCH	PWR	POWER
ATS	ABOVE SHELF	HP	HORSEPOWER		
	AUTOMATIC TRANSFER SWITCH	HR	HOUR	RECEPT	RECEPTACLE
B-	BOILER	HVAC	HEATING/VENTILATING/AIR CONDITIONING	RGC	RIGID GALVANIZED STEEL CONDUIT
BC	BELOW COUNTER			RTU-	ROOF TOP UNIT
BLDG	BUILDING	IG	ISOLATED GROUND	SF-	SUPPLY FAN
		IMC	INTERMEDIATE METAL CONDUIT	SPEC	SPECIFICATIONS
CHLR-	CHILLER	JB	JUNCTION BOX	SW	SWITCH
CND (C)	CONDUIT			SWBD	SWITCHBOARD
CKT	CIRCUIT	LC	LIGHT CONTROL	TCC	TEMPERATURE CONTROL CONTRACTOR
CKT BKR	CIRCUIT BREAKER	LT	LIGHT	TR	TAMPER PROOF RECEPTACLE
CT	COLDING TOWER	LTG	LIGHTING	TS	TAMPER PROOF SWITCH
CUL-	CONDENSING UNIT	LT FLEX	LIQUID TIGHT FLEXIBLE METAL CONDUIT	TYP	TYPICAL
CUH-	CABINET UNIT HEATER				
		MAX	MAXIMUM	UF	UNDER FLOOR
DFU-	DUCT FURNACE	MC	MECHANICAL CONTRACTOR	UH-	UNIT HEATER
DISNCT	DISCONNECT	MCC	MOTOR CONTROL CENTER	UL	UNDERWRITERS' LABORATORIES, INC.
DWG	DRAWING	MIN	MINIMUM	UNO	UNLESS NOTED OTHERWISE
DWH-	DOMESTIC WATER HEATER	MLO	MAIN LUG ONLY		
		MT	MOUNT	V	VOLTS
EBB-	ELECTRIC BASEBOARD	MTD	MOUNTED	VL	VERIFY LOCATION WITH OWNER
EC	ELECTRICAL CONTRACTOR	MTG	MOUNTING		
EF	EXHAUST FAN	MUAU-	MAKE-UP AIR UNIT	W	WATTS
EM	EMERGENCY			W/	WITH
EMT	ELECTRICAL METALLIC TUBING	NC	NORMALLY CLOSED	W/O	WITHOUT
EWC	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT	WP	WEATHER PROOF
EXIST./EX.	EXISTING	NL	NIGHT LIGHT		
		NO	NORMALLY OPEN		
FLA	FULL LOAD AMPS	NTS	NOT TO SCALE	XFMR	TRANSFORMER
FLEX	FLEXIBLE CONDUIT				
FLR	FLOOR				
FLUOR	FLUORESCENT				
FSES	FOOD SERVICE EQUIP. SUPPLIER				
FS	FIRE/SMOKE				
FU-	FURNACE				

TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION AND COMMENTS	DIMMING INFO	FIXTURE MOUNTING HEIGHT	DRIVER
LP	U.S. ARCHITECTURAL LIGHTING	RSB18-PLD-III-M-20LED-350mA-40K	ALUMINUM HOUSED LED LIGHT WITH 1040 POLE	.	POLE MOUNTED	3000 LUMENS 28W, 4000K LED

PANEL "EM-LP"

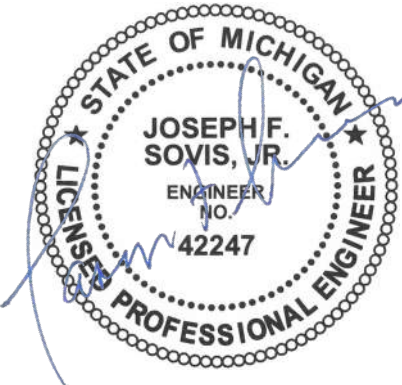
VOLTS: 208 / 120 PHASE: 3 WIRE: 4 AMPS: 225 MAIN: MCB

BRKR		DESCRIPTION	CIRCUIT		PHASE LOADS			CIRCUIT		DESCRIPTION	BRKR		
A	P		VA	NO	A	B	C	NO	VA		A	P	
20	1	EX BASEMENT EM LTS		1	0			2		EX 1ST FL EM NL EAST	20	1	
20	1	EX BASEMENT EM LTS		3		0		4		EX 1ST FL EM NL LOBBY	20	1	
20	1	EX BASEMENT TELE RECEPT		5			0	6		EX 1ST FL PLUG MOLD	20	1	
20	1	EX PHONE PLUG MOLD		7	0			8		EX 1ST FL DOOR LOCKS	20	1	
20	1	EX BASEMENT HALL EM LTS		9		0		10		EX 4TH FL EM NL	20	1	
20	1	EX GEN BLOCK HEATER		11				12		EX 4TH FL EM NL	20	1	
20	1	EX COMPR. AIR DRYER		13	0			14		EX SPARE	60	3	
20	1	EX BASEMENT EM LTS EAST		15		0		16		-	-	-	
20	1	EX BASEMENT EM LTS EAST		17			0	18		-	-	-	
20	1	EX BASEMENT EM LTS EAST		19	0			20		EX 2ND FL PLUG MOLD	20	1	
20	1	EX 2ND EM LTS EAST		21		0		22		EX TRIDNM PNL 1 EAST	20	1	
20	1	EX 2ND EM LTS EAST		23			0	24		EX BASEMENT PN RM RECEPT	20	1	
20	1	EX 2ND EM LTS EAST		25	0			26		EX SPARE	20	1	
20	1	EX EXIT LTS BASEMENT		27		0		28		EX BUBBLER ICE	20	1	
20	1	EX EXIT LTS BASEMENT		29				30		EX DDC BASEMENT	20	1	
20	1	EX PHONE PLUG MOLD 2ND		31	0			32		EX 4TH TELE RECEPT/SPARE	20/20	1	
25	2	NEW HTP-1	1944	33		1944		34		EX EM RECEPT E MECH RM	20	1	
-	-	-	1944	35			1944	36		EX DDC EASH SIDE	20	1	
100	3	EX EM PHONE RM PANEL AHU1		37	0			38		EX LERBERT 1ST WEST MECH RM	100	3	
-	-	-		39		0		40		-	-	-	
-	-	-		41				42		-	-	-	
CONNECTED					0	1944	1944	TOTAL CONNECTED LOAD			3888 VOLT-AMPS		
TOTAL CONNECTED					3888						10.79 AMPS		



1. ALL WALL AND FLOOR PENETRATIONS ARE TO BE SEALED TO MAINTAIN ORIGINAL RATING.
2. ALL CONDUITS TO BE FIELD ROUTED ALONG EXISTING PIPING AND STRUCTURAL STEEL.
3. THE DIVISION 26 CONTRACTORS SHALL VISIT THE PROJECT AND DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED BEFORE BIDDING THE PROJECT.
4. REMOVE ALL EXISTING OBSOLETE EXPOSED CONDUIT, WIRE AND UNUSED EQUIPMENT WHERE WORK IS BEING DONE EXCEPT ITEMS NOTED OTHERWISE.
5. WHERE BUILDING SURFACES ARE DAMAGED BY THE REMOVAL OF OLD WORK, SURFACES SHALL BE PATCHED TO MATCH ADJACENT.
6. EXISTING WORK WHICH IS PRESENTLY CONCEALED AND WHICH WILL REMAIN CONCEALED AND DOES NOT INTERFERE WITH ANY NEW WORK OF ANY TRADE NEED NOT BE REMOVED. HOWEVER, ALL CONDUIT SHALL BE CAPPED BELOW FINISH SURFACE AND THEN PATCHED TO MATCH, OR AS NOTED.
7. EXISTING OPENINGS, WHICH ARE TO BE REUSED, SHALL BE MODIFIED OR ENLARGED TO SUIT THE NEW SYSTEMS AS REQUIRED. PROVIDE ALL REQUIRED CUTTING AND PATCHING.
8. IF ASBESTOS IS PRESENT, IT WILL BE REMOVED OR RENDERED HARMLESS UNDER SEPARATE CONTRACT BY THE OWNER.
9. THE DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING THE EXISTING WALLS TO MATCH THE ADJACENT SURFACES BEHIND ALL SURFACE MOUNTED EQUIPMENT.
10. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT VOLTAGES AND LOADS PRIOR TO INSTALLING SERVICE TO EQUIPMENT.
11. DRAWINGS ARE BASED ON EXISTING RECORD DOCUMENT AND CASUAL FIELD OBSERVATION. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION.
12. OBSERVATION. REPORT ANY DISCREPANCIES TO ENGINEER FOR CLARIFICATION. CONTRACTOR SHALL PROVIDE COMMISSIONING OF ELECTRICAL SYSTEMS BY INDEPENDENT THIRD PARTY AGENCY OR INDEPENDENT COMMISSIONING AGENT AS REQUIRED BY THE 2021 MICHIGAN COMMERCIAL ENERGY CODE SECTION 408.2.4 AND 408.3. TEST, CERTIFY, AND PROVIDE DOCUMENTATION OF LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ENERGY CONTROL DESIGN GUIDE LINES.

SCALE: N.T.S.

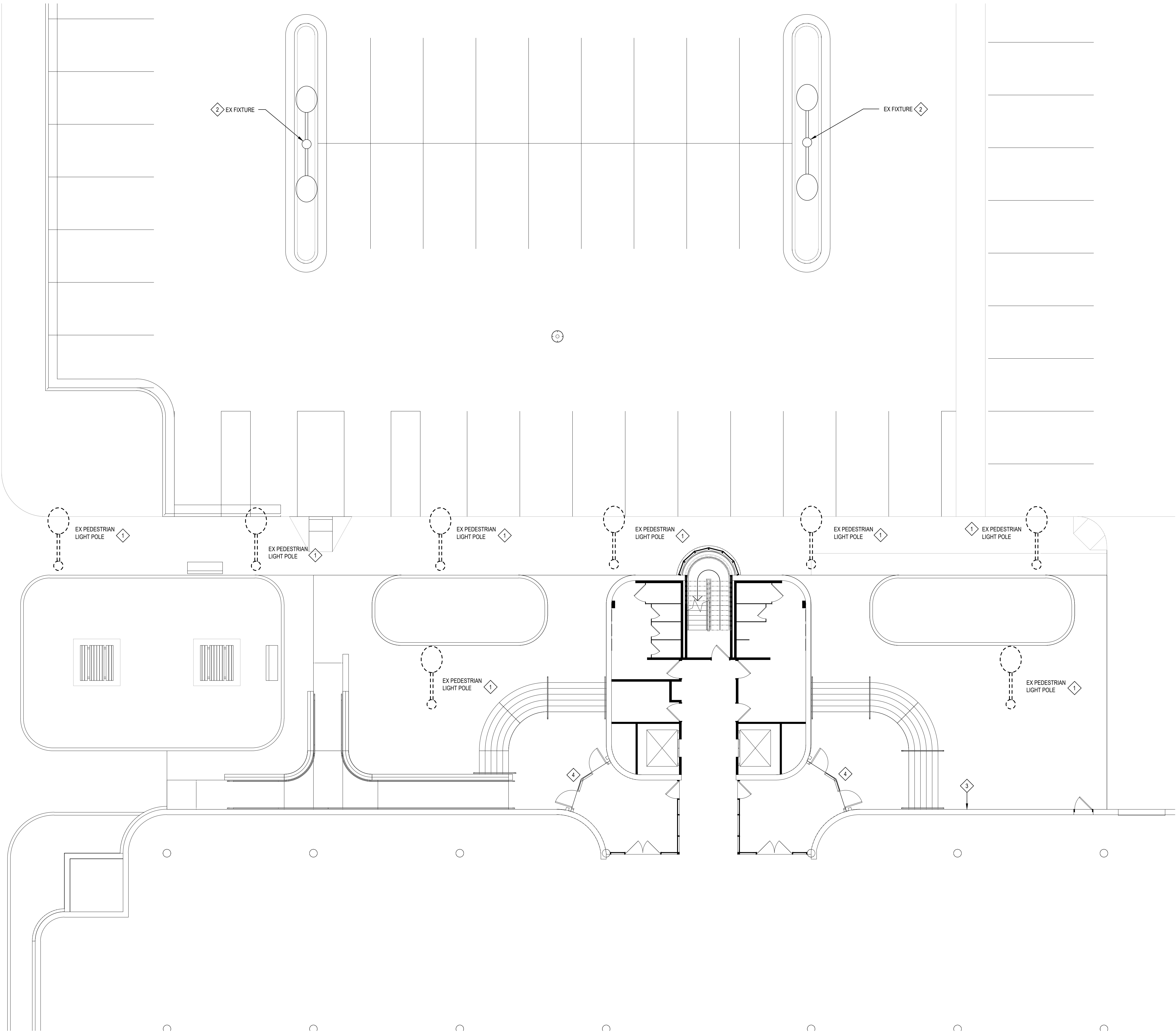


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SHEET TITLE		
ELECTRICAL COVER SHEET		
PROJECT NUMBER		SHEET NUMBER
2025009		
PROJECT DATE		
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DEMOLITION NOTES

- 1 DISCONNECT AND REMOVE EXISTING LIGHT POLE AND BASE. ASSOCIATED CONDUIT AND WIRE TO BE MODIFIED AS NEEDED TO FEED NEW POLE LOCATIONS.
- 2 EXISTING LIGHT POLE TO REMAIN.
- 3 DISCONNECT AND REMOVE EXISTING WALL/STEP LIGHTS ALONG THIS WALL. ASSOCIATED WIRE TO BE REMOVED TO SOURCE. ABANDON CONDUIT IN PLACE.
- 4 DISCONNECT AND REMOVE EXISTING ADA HARDWARE. ASSOCIATED CONDUIT AND WIRING TO REMAIN.

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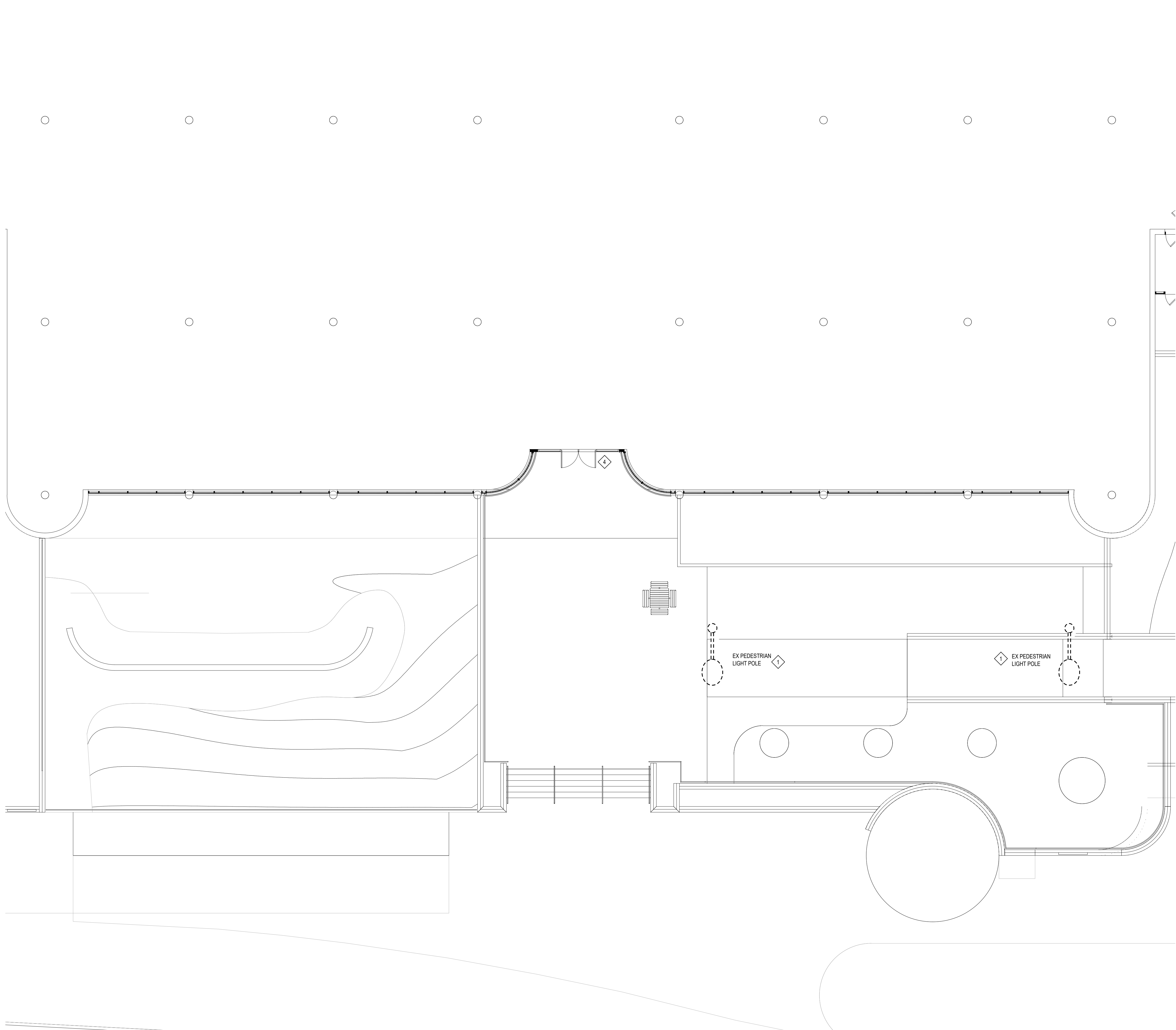
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FLOOR PLAN - DEMOLITION NORTH

0 1 5 10 20
SCALE: 1/8" = 1'-0"

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FLOOR PLAN - DEMOLITION SOUTH
0 1 5 10 20
SCALE: 1/8" = 1'-0"

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DEMOLITION NOTES

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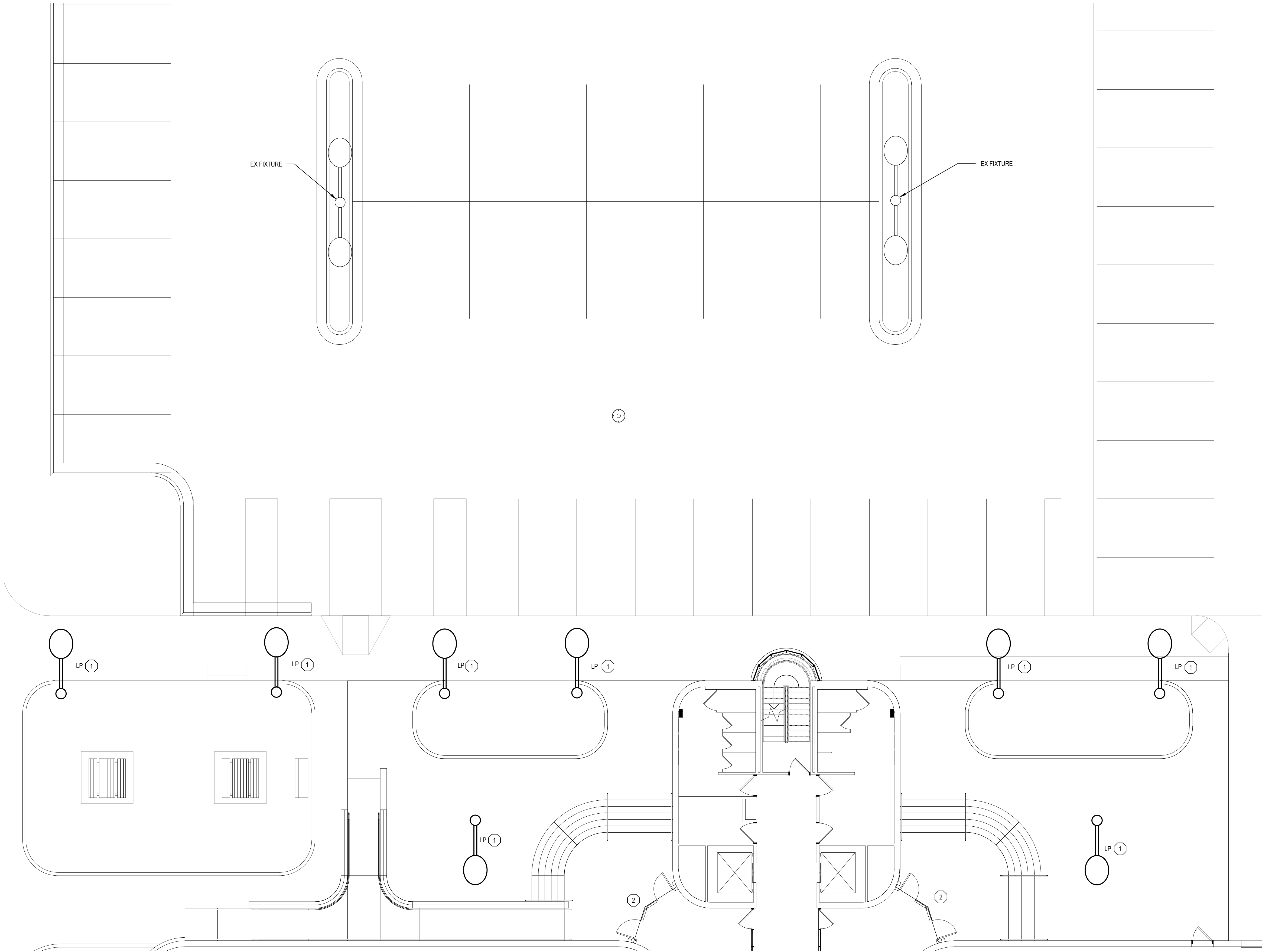
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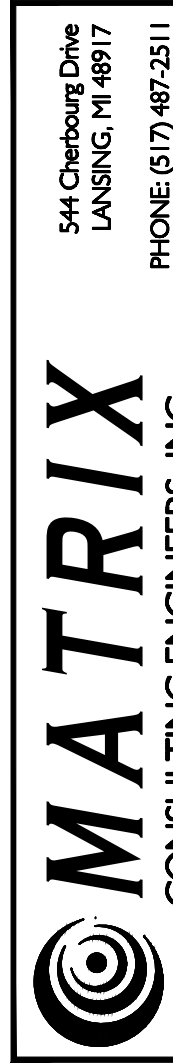
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 **FLOOR PLAN - LIGHTING**
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SCALE: 1/8" = 1'-0"



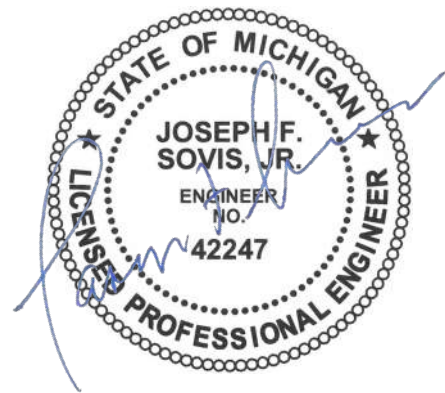
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ELECTRICAL KEY NOTES

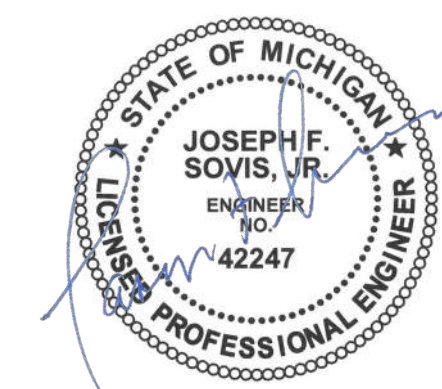
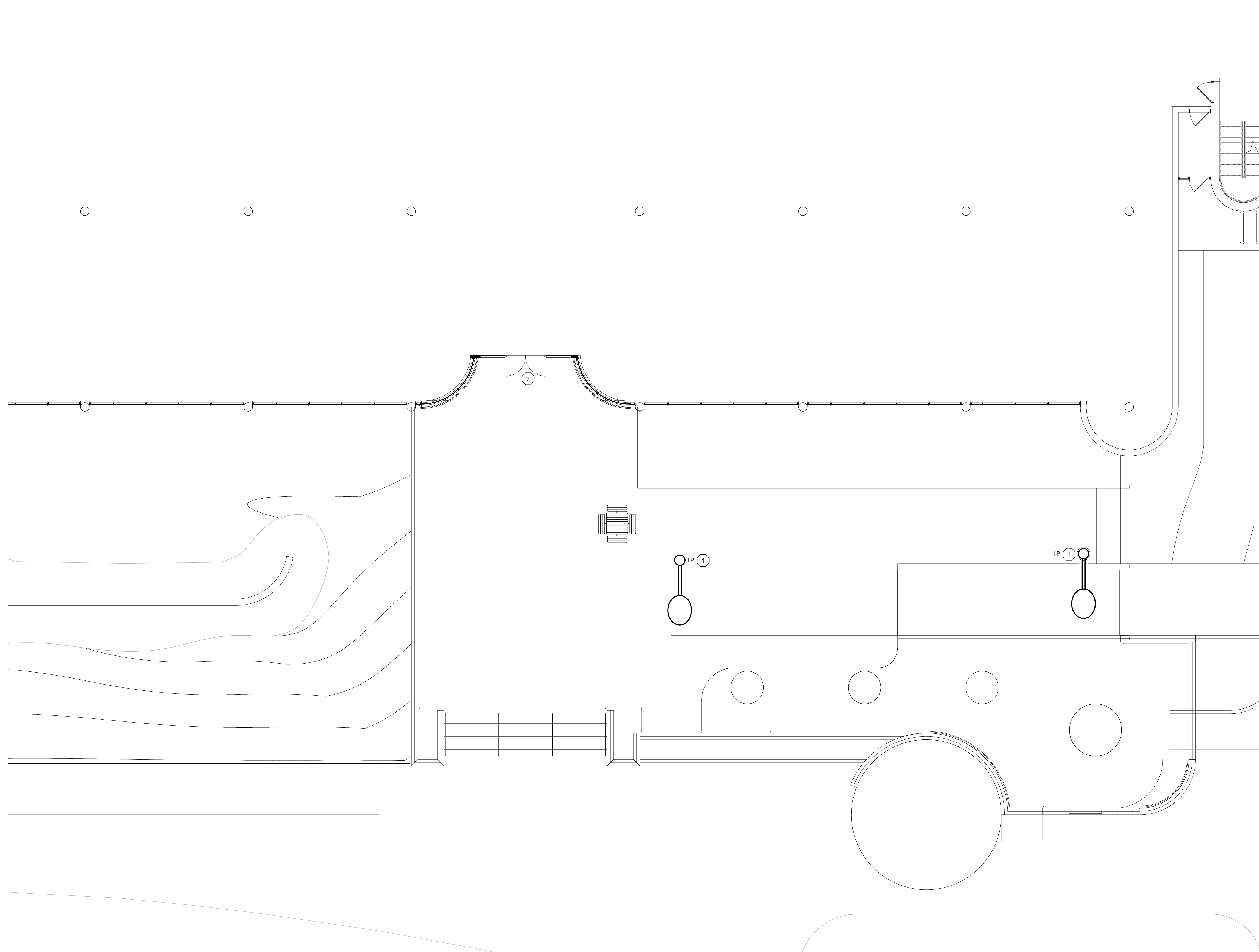
- 1
- CONTRACTOR SHALL CONNECT NEW LIGHT POLE TO EXISTING CIRCUIT. CONTRACTOR SHALL MODIFY AND EXTEND EXISTING CONDUIT AND WIRE AS NEEDED.
- 2
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ADA HARDWARE. EXTEND EXISTING CONDUIT AND WIRE AS NEED FOR NEW LOCATION. CONTRACTOR SHALL VERIFY WITH OWNER AND ARCHITECT FOR FINAL LOCATION.

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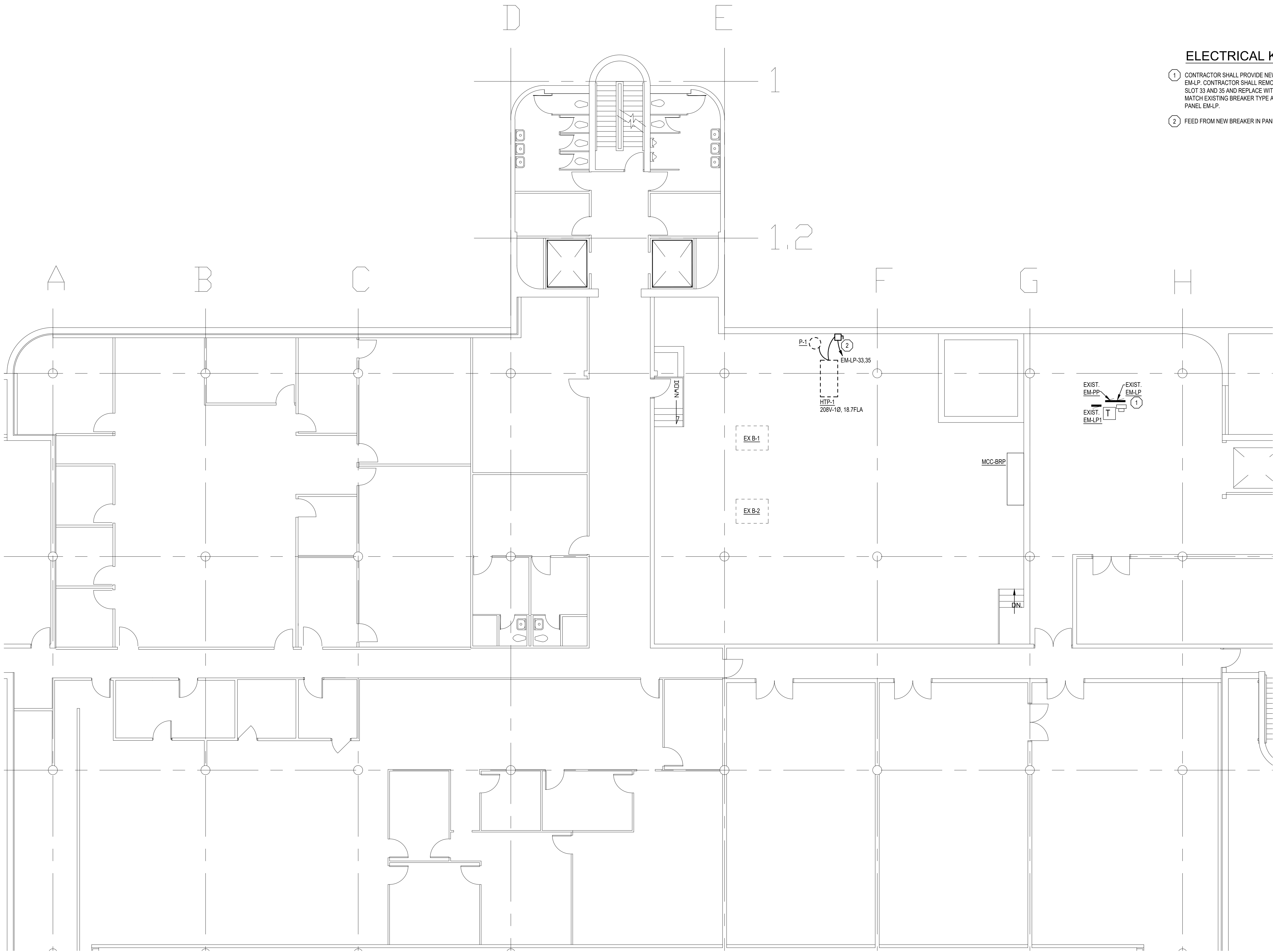


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ELECTRICAL KEY NOTES

- 1 CONTRACTOR SHALL PROVIDE NEW 25A-2 POLE BREAKER FOR PANEL EM-LP. CONTRACTOR SHALL REMOVE THE TWO 20A-1 POLE BREAKER IN SLOT 33 AND 35 AND REPLACE WITH NEW 25A-2 POLE. CONTRACTOR SHALL MATCH EXISTING BREAKER TYPE AND MANUFACTURE OF BREAKER IN PANEL EM-LP.
- 2 FEED FROM NEW BREAKER IN PANEL EM-LP.

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BASEMENT FLOOR PLAN - POWER

0 1 5 10 20
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