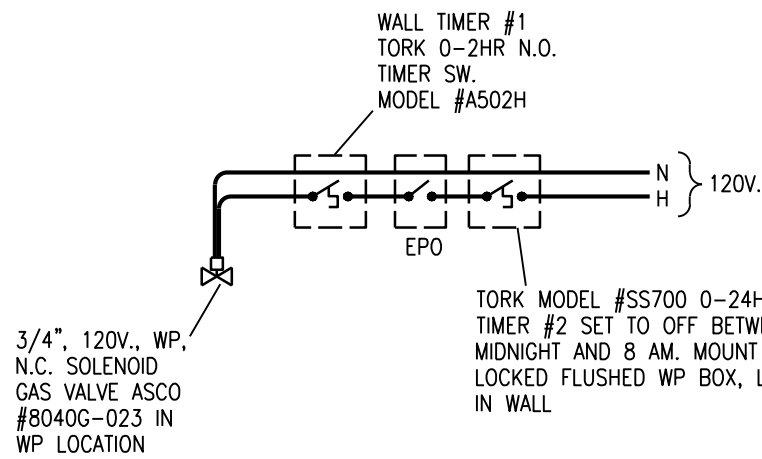
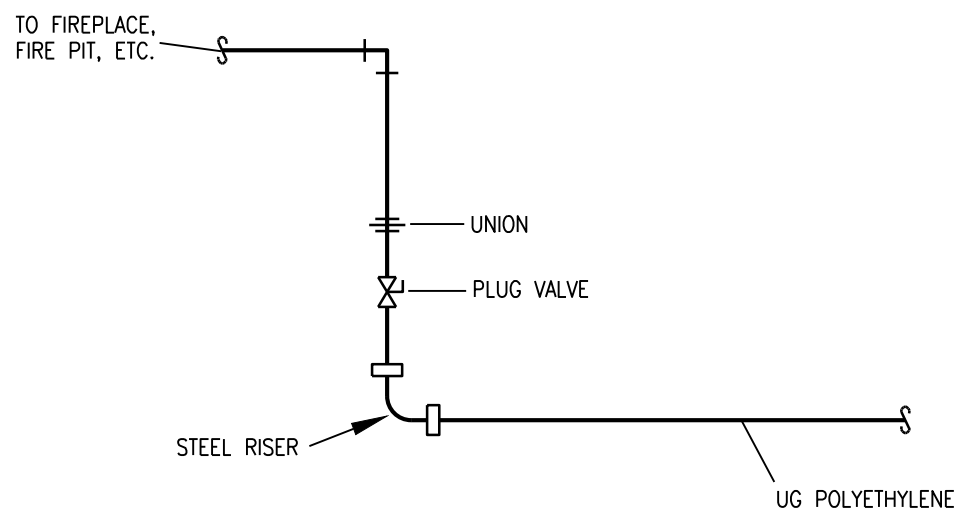


PIPING SCHEMATIC

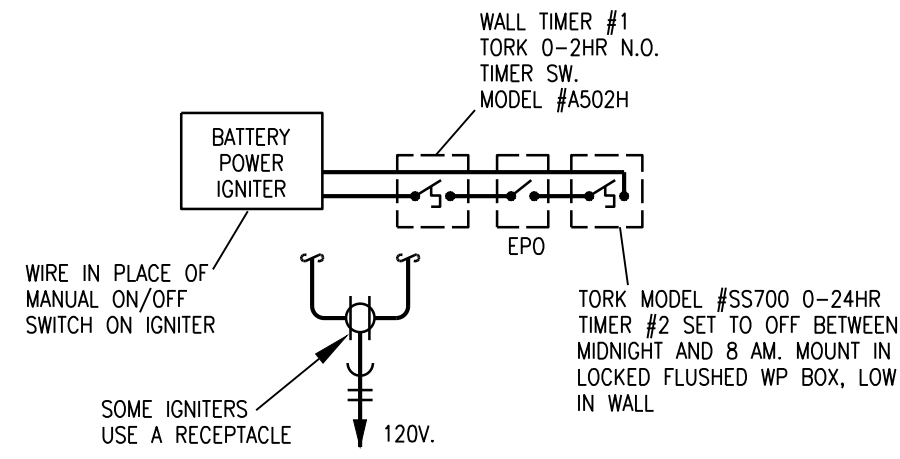


CONTROL SCHEMATIC

1 **GAS CONTROL DETAIL**  
NO SCALE (GRILL)

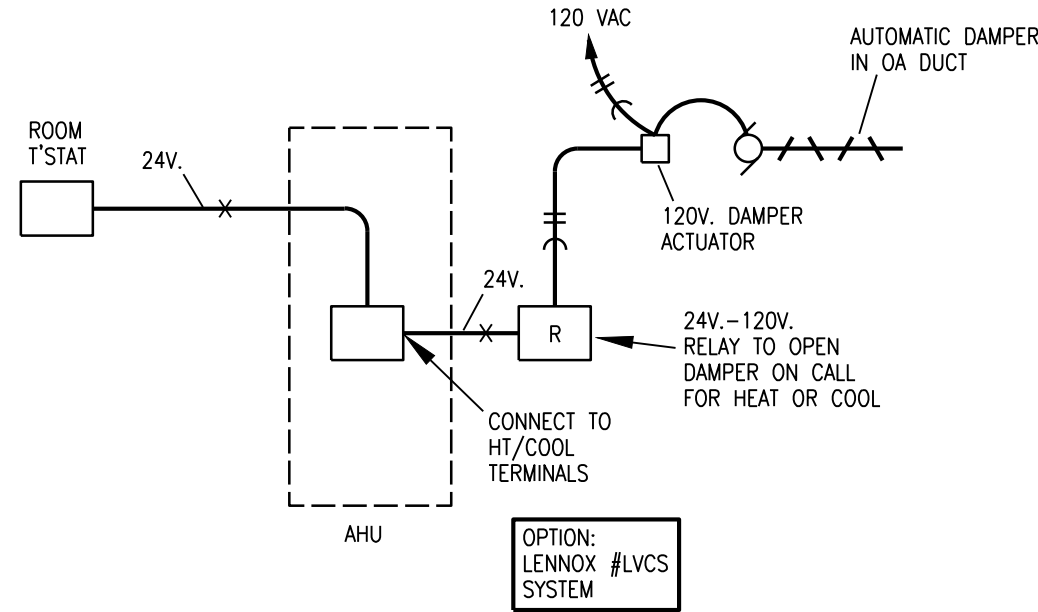


PIPING SCHEMATIC

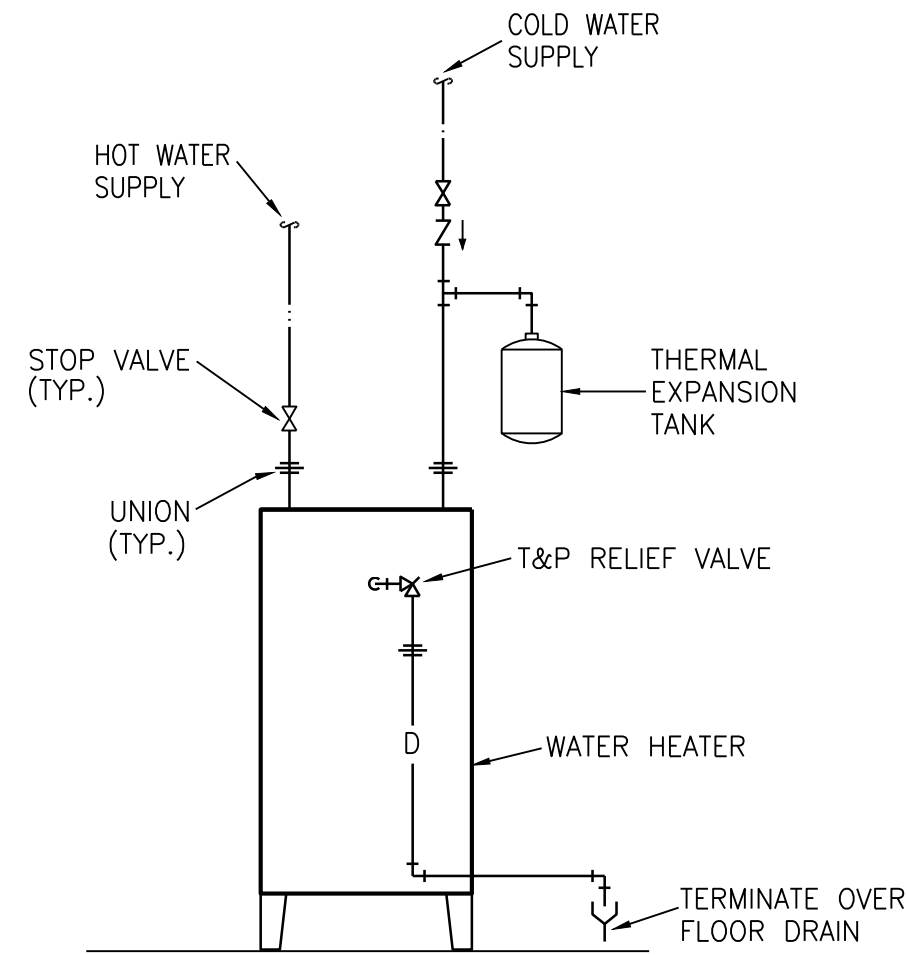


CONTROL SCHEMATIC

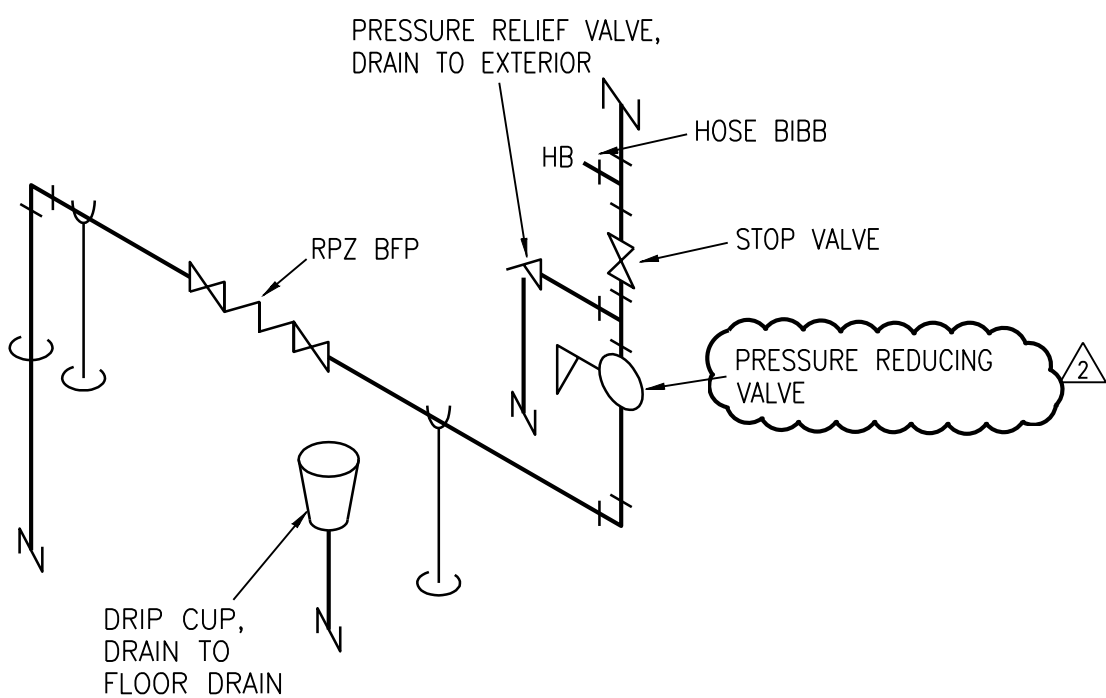
2 **GAS CONTROL DETAIL**  
NO SCALE (FIRE PIT)



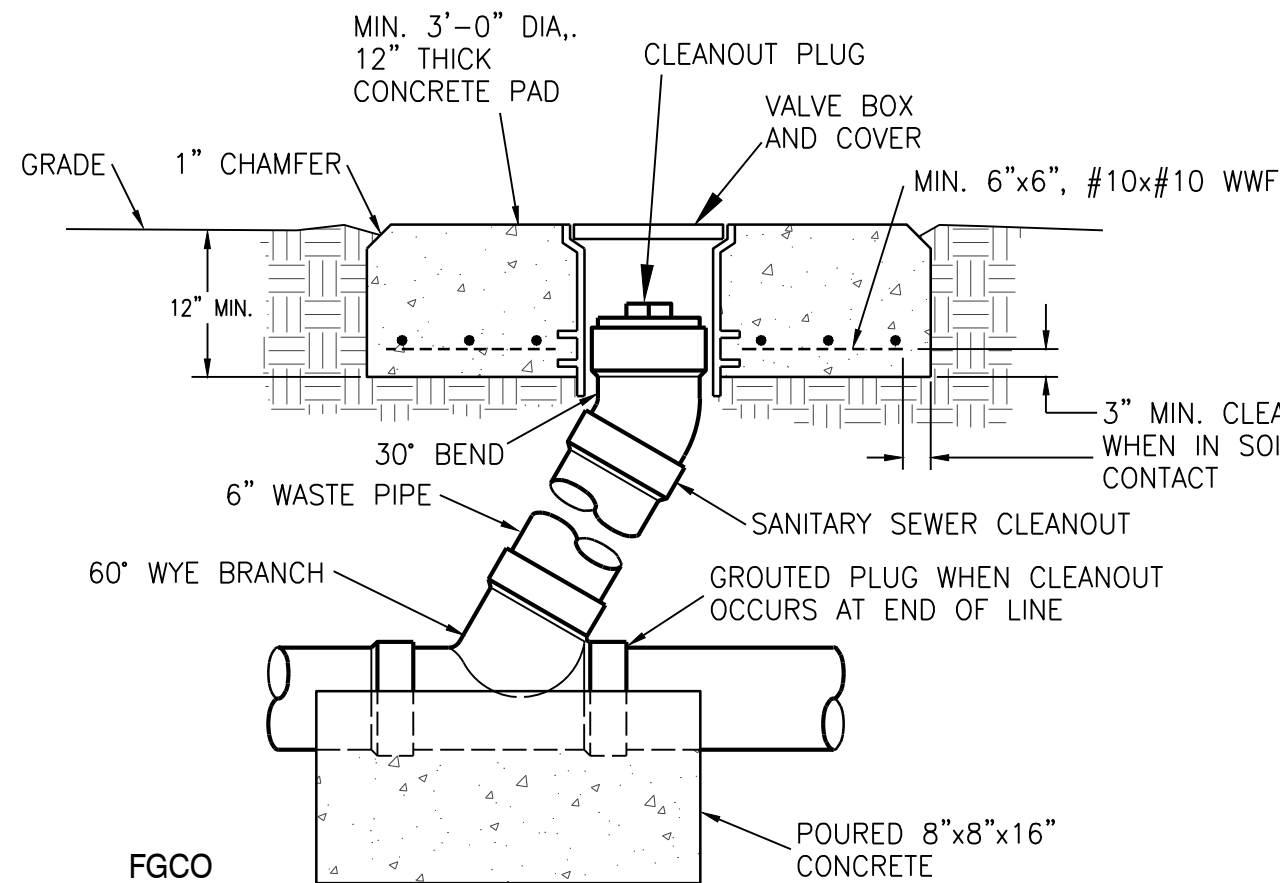
3 **OUTSIDE AIR DAMPER CONTROL SCHEMATIC**  
NO SCALE



4 **ELECTRIC WATER HEATER DETAIL**  
NO SCALE



5 **DOMESTIC WATER RISER**  
NO SCALE



6 **FLUSH GRADE CLEANOUT DETAIL**  
NO SCALE

MECHANICAL SYMBOLS LEGEND			
[P-1]	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)	[Symbol]	FLEXIBLE PIPE CONNECTION
[Symbol]	WASTE LINE ABOVE EARTH (W.)	[Symbol]	MANUAL DAMPER
[Symbol]	WASTE LINE IN EARTH (W.)	[Symbol]	BACKDRAFT DAMPER
[Symbol]	CLEAN OUT	[Symbol]	AUTOMATIC DAMPER
FFCO	FLUSH FLOOR CLEAN OUT	[Symbol]	FIRE DAMPER
FGCO	FLUSH GRADE CLEAN OUT	[Symbol]	FIRE/SMOKE DAMPER
2" (T) FD	FLOOR DRAIN AND TYPE	[Symbol]	SMOKE DAMPER
RD	ROOF DRAIN	6x6 (A) 80	GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
ORD	OVERFLOW DRAIN	[Symbol]	VOLUME EXTRACTOR AND TURNING VANES
2" (T) RD	ROOF DRAIN AND TYPE	[Symbol]	RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
V	VENT LINE (V.)	[Symbol]	SUPPLY AIR DUCT SECTION UP AND DOWN
DCW	DOMESTIC COLD WATER SUPPLY (DCW)	[Symbol]	FLEXIBLE DUCT CONNECTION
DHW	DOMESTIC HOT WATER SUPPLY (DHW)	[Symbol]	ROUND OR RECTANGULAR DUCT
DHWR	DOMESTIC HOT WATER RETURN (DHWR)	[Symbol]	FLEXIBLE DUCT
HB/36"	HOSE BIBB AND MOUNTING HEIGHT	[Symbol]	THERMOSTAT
E4 WH	WALL HYDRANT	[Symbol]	REFRIGERANT LIQUID
F	FIRE LINE/STANDPIPE	[Symbol]	REFRIGERANT SUCTION
D	DRAIN LINE	AD	ACCESS DOOR
G	NATURAL GAS LINE	AFF	ABOVE FINISHED FLOOR
[Symbol]	RISE & DROP IN PIPE WITH CUT-OFF VALVE	EA	EXHAUST AIR
[Symbol]	REDUCER	OA	OUTSIDE AIR
[Symbol]	CHECK VALVE	RA	RETURN AIR
[Symbol]	STOP VALVE	SA	SUPPLY AIR
[Symbol]	BALANCING VALVE/AUTOFLOW VALVE	VBS	VENT BELOW SLAB
[Symbol]	PLUG VALVE	VTR	VENT THRU ROOF
[Symbol]	2-WAY CONTROL VALVE OR SOLENOID VALVE	[Symbol]	CONNECT NEW TO EXISTING
[Symbol]	3-WAY CONTROL VALVE OR SOLENOID VALVE	[Symbol]	LOCKABLE GUARD
[Symbol]	PRESSURE REDUCING VALVE	VFD	VARIABLE FREQUENCY DRIVE
[Symbol]	STRAINER		
[Symbol]	UNION		

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO ELECTRICAL SYMBOLS LEGEND FOR ELECTRICAL SYMBOLS THAT MAY BE SHOWN ON MECHANICAL PLANS.



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EVREN APARTMENTS  
NEW CONSTRUCTION  
EVREN APARTMENTS CLUBHOUSE  
LEE'S SUMMIT, MISSOURI  
PERMIT SET



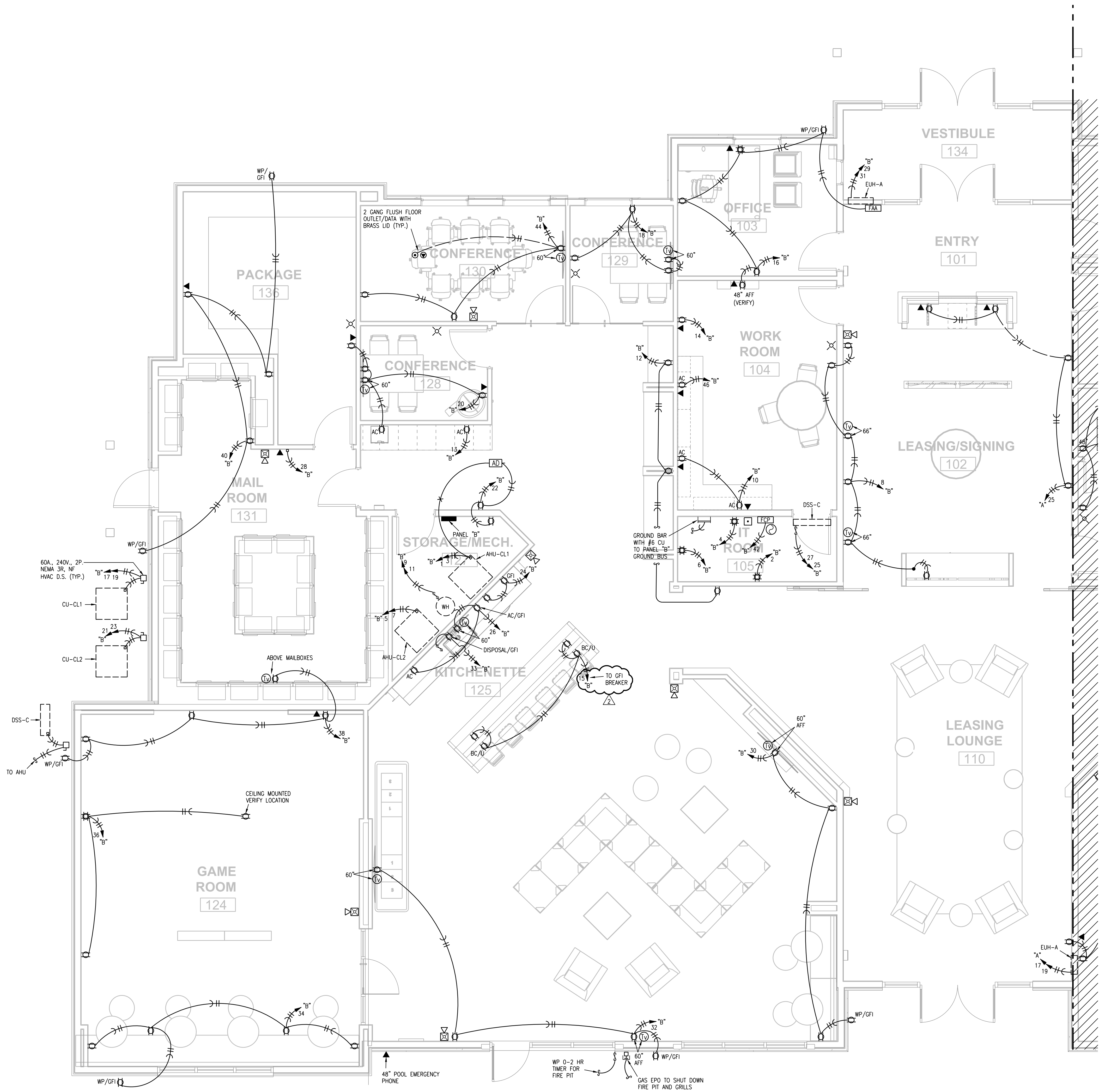
1/10/2025

MD PROJECT #:	24097
DRAWN BY:	COO
CHECKED BY:	RRB
PRELIMINARY	
PERMIT SET	
#	531/2024
DATE	REVISION SCHEDULE
01/10/25	DESCRIPTION
	CITY RESPONSE

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MECHANICAL  
DETAILS

MP101



1 PARTIAL CLUBHOUSE PLAN  
1/4" = 1'-0" POWER

- NOTES:
1. PROVIDE NEC CLEARANCE FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
  2. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
  3. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
  4. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS SERVED.
  5. SEE SHEETS CH-A251, CH-A252 FOR DEVICE MOUNTING HEIGHTS AND LATERAL DIMENSIONS.
  6. CONFIRM LOCATION OF FLOOR OUTLETS WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.

EVREN APARTMENTS  
NEW CONSTRUCTION

EVREN APARTMENTS CLUBHOUSE  
LEE'S SUMMIT, MISSOURI

PERMIT SET



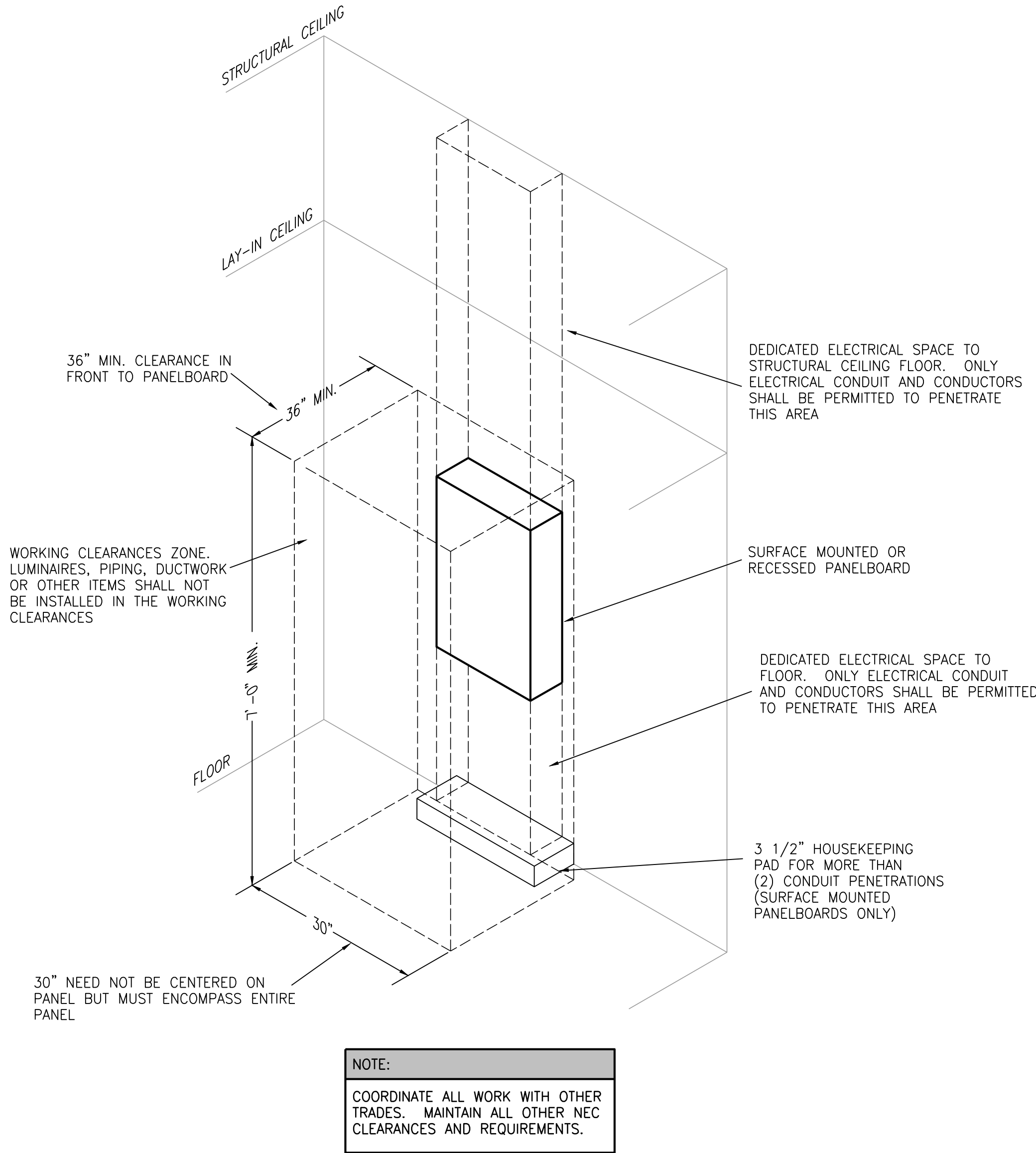
1/10/2025

MD PROJECT #:	24097	
DRAWN BY:	CJD	
CHECKED BY:	RRB	
PRELIMINARY	-	
PRICING SET	-	
PERMIT SET	5/31/2024	
REVISION SCHEDULE		
#	DATE	DESCRIPTION
1	07/08/24	TRACKER REVISION
2	01/10/25	CITY RESPONSE

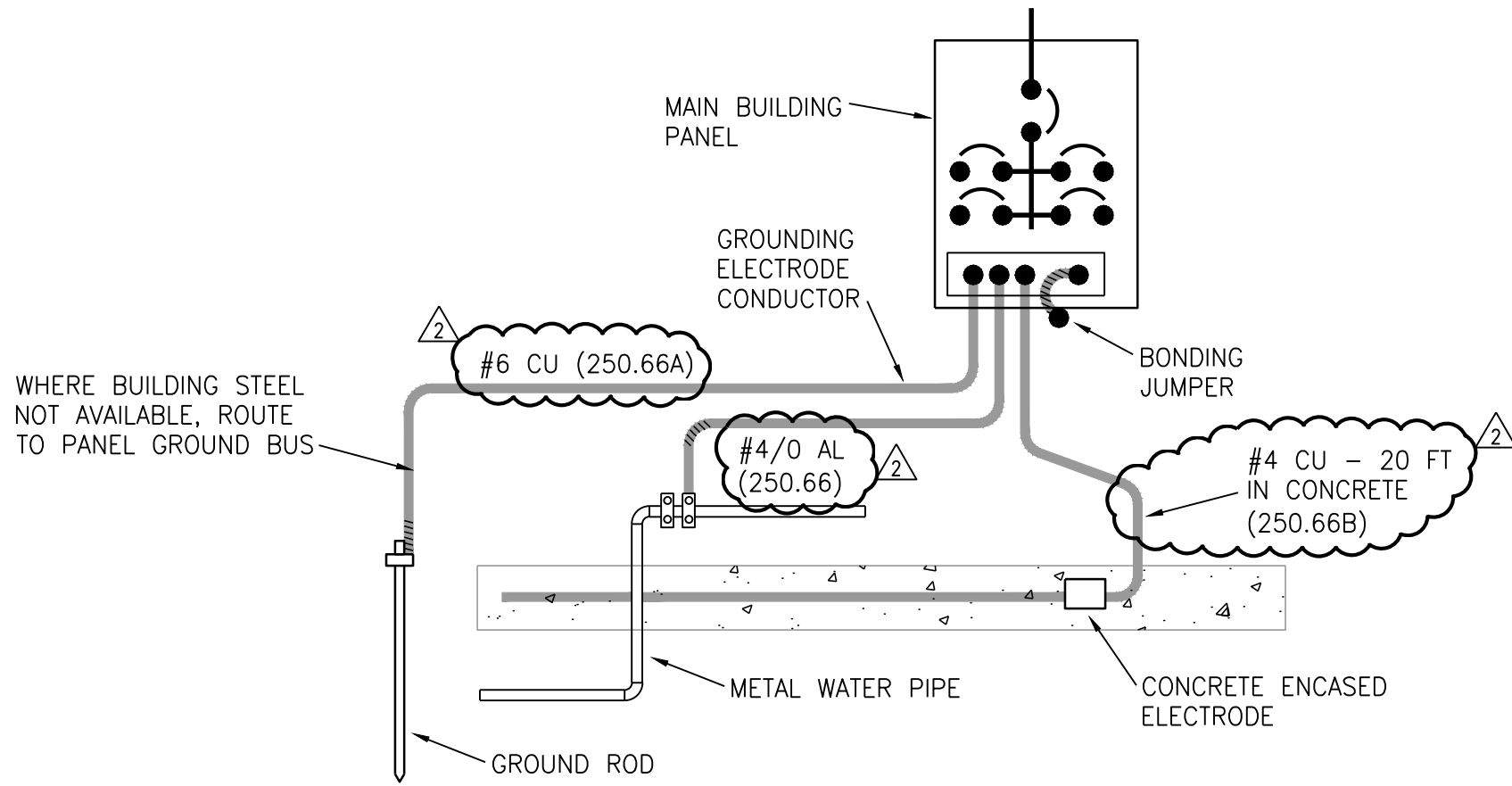
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PARTIAL  
CLUBHOUSE FLOOR  
PLAN - POWER

E101

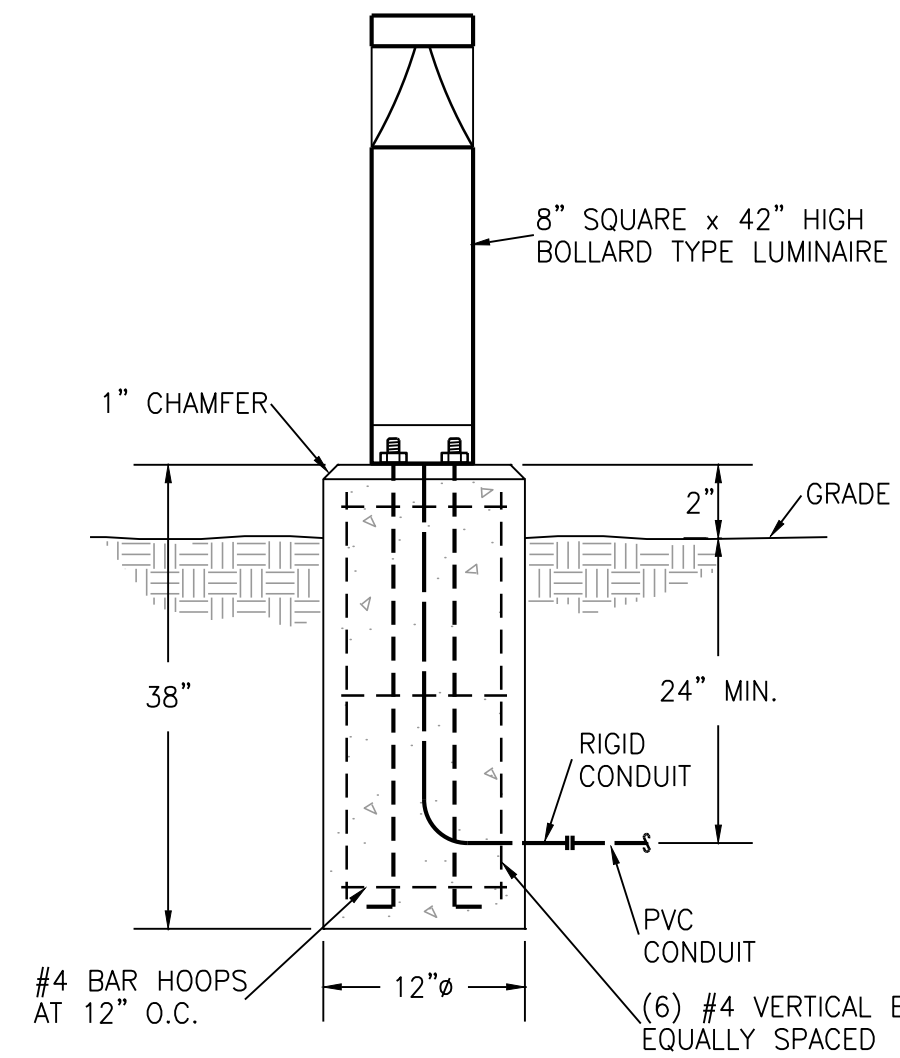


1 TYPICAL PANELBOARD INSTALLATION DETAIL  
NO SCALE

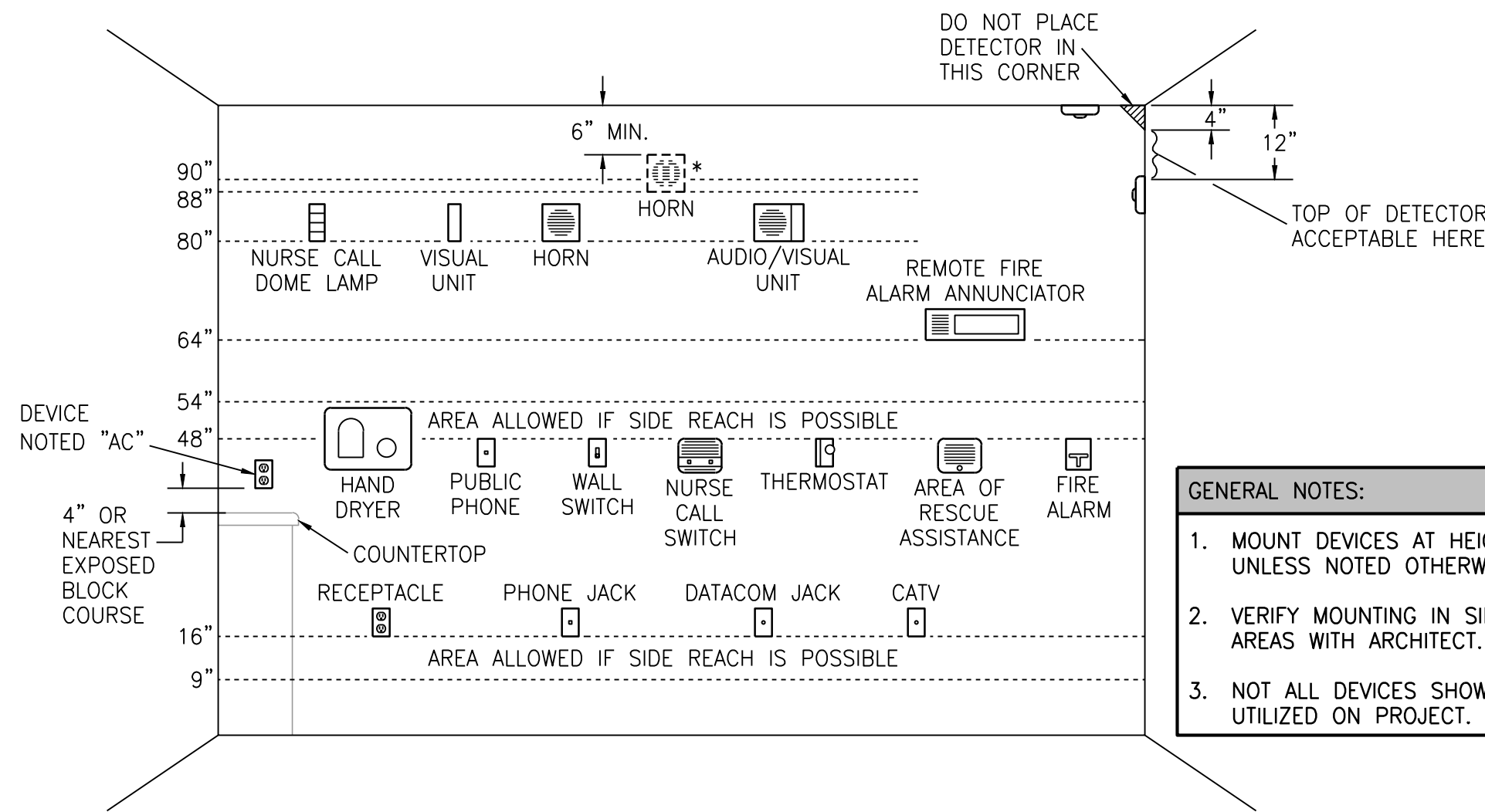


2 GROUNDING ELECTRODE SYSTEM DETAIL  
NO SCALE

ELECTRICAL SYMBOLS LEGEND			
	CONDUIT CONCEALED IN CEILING OR WALL		SWITCH - SINGLE POLE
	CONDUIT CONCEALED IN FLOOR SLAB		3-WAY, 4-WAY
	EXPOSED CONDUIT		LIGHT FIXTURE AND TYPE
	HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES		FLUORESCENT LIGHT FIXTURE
	GROUND WIRE		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
	GROUNDING ROD		FIXTURE ON LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
	SINGLE RECEPTACLE		INCANDESCENT OR H.I.D. LIGHT FIXTURE
	DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)		INCANDESCENT OR H.I.D. LIGHT FIXTURE (WALL MOUNTED)
	FOURPLEX RECEPTACLE		EXIT LIGHT (CEILING OR WALL MOUNTED)
	208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED)		FLUSH PANELBOARD (LIGHT & RECEPTACLES)
	CLOCK RECEPTACLE		SURFACE PANELBOARD (LIGHT & RECEPTACLES)
	TELE/DATA OUTLET *		DISTRIBUTION PANEL OR SWITCHBOARD
	TELE/DATA OUTLET *		AC DEVICE LOCATED ABOVE COUNTER
	PUSHBUTTON		ABOVE FINISHED FLOOR
	CEILING SPEAKER		DIMMER
	BELL		INDICATES EXISTING DEVICE
	MOTOR		ELECTRIC DRINKING FOUNTAIN
	FUSIBLE SWITCH (BUSSMAN SSU)		GROUND FAULT INTERRUPTER
	DISCONNECT SWITCH (D.S.)		NIGHTLIGHT FIXTURE, WIRED HOT
	COMBINATION MOTOR STARTER (CMS)		WEATHERPROOF
	RELAY		CONNECT NEW TO EXISTING
	JUNCTION BOX		LOCKABLE GUARD
	THERMOSTAT		
NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO MECHANICAL SYMBOLS LEGEND FOR MECHANICAL SYMBOLS THAT MAY BE SHOWN ON ELECTRICAL PLANS. * 4x4 BACKBOX WITH SINGLE GANG PLASTER RING AND A 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.			

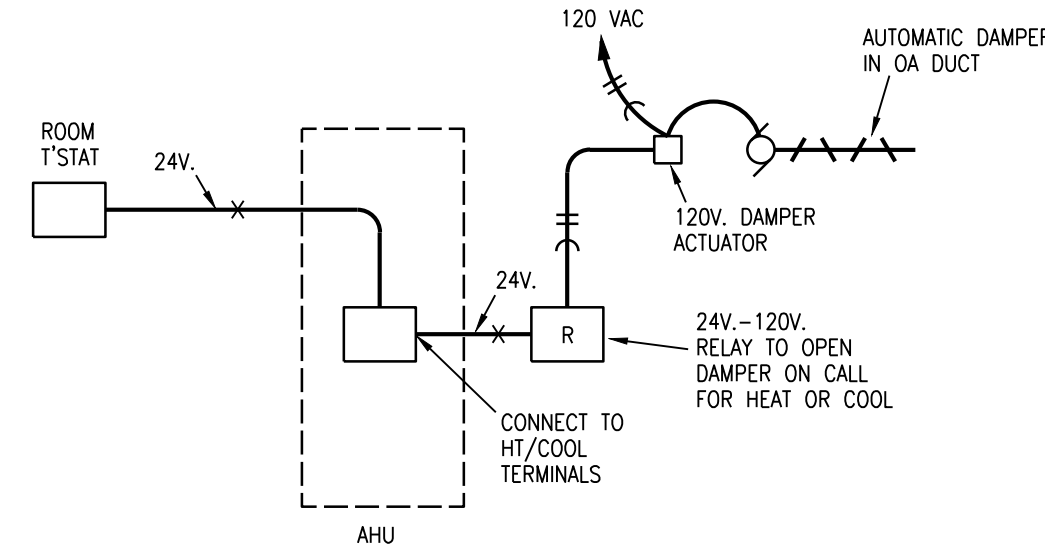


3 BOLLARD TYPE LUMINAIRE DETAIL  
NO SCALE



4 ELECTRICAL DEVICE MOUNTING HEIGHTS  
NO SCALE

DEVICE MOUNTING NOTES:	
1. VISUAL UNIT	DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER (ADA 1993).
2. AUDIO UNIT	DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER (ADA 1993).
* TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH BLOCK COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.	
3. AUDIO/VISUAL UNIT	DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER (ADA 1993).
4. PULL STATION	HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH) (ADA 1993).



5 OUTSIDE AIR DAMPER CONTROL SCHEMATIC  
NO SCALE (TYP. FOR CLUBHOUSE UNITS)

MD PROJECT #	24097	DATE	01/10/25	CITY RESPONSE	
DRAWN BY	COO				
CHECKED BY	RRB				
PRELIMINARY		5/31/2024			
PERMIT SET					
#		REVISION SCHEDULE			
		DATE			
		DESCRIPTION			

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