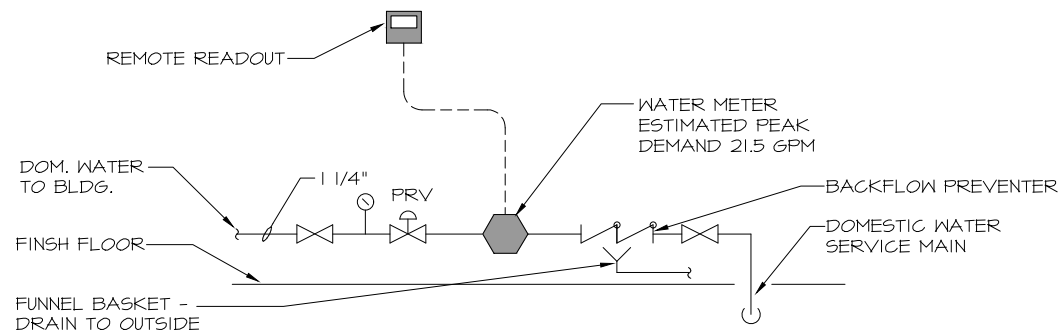
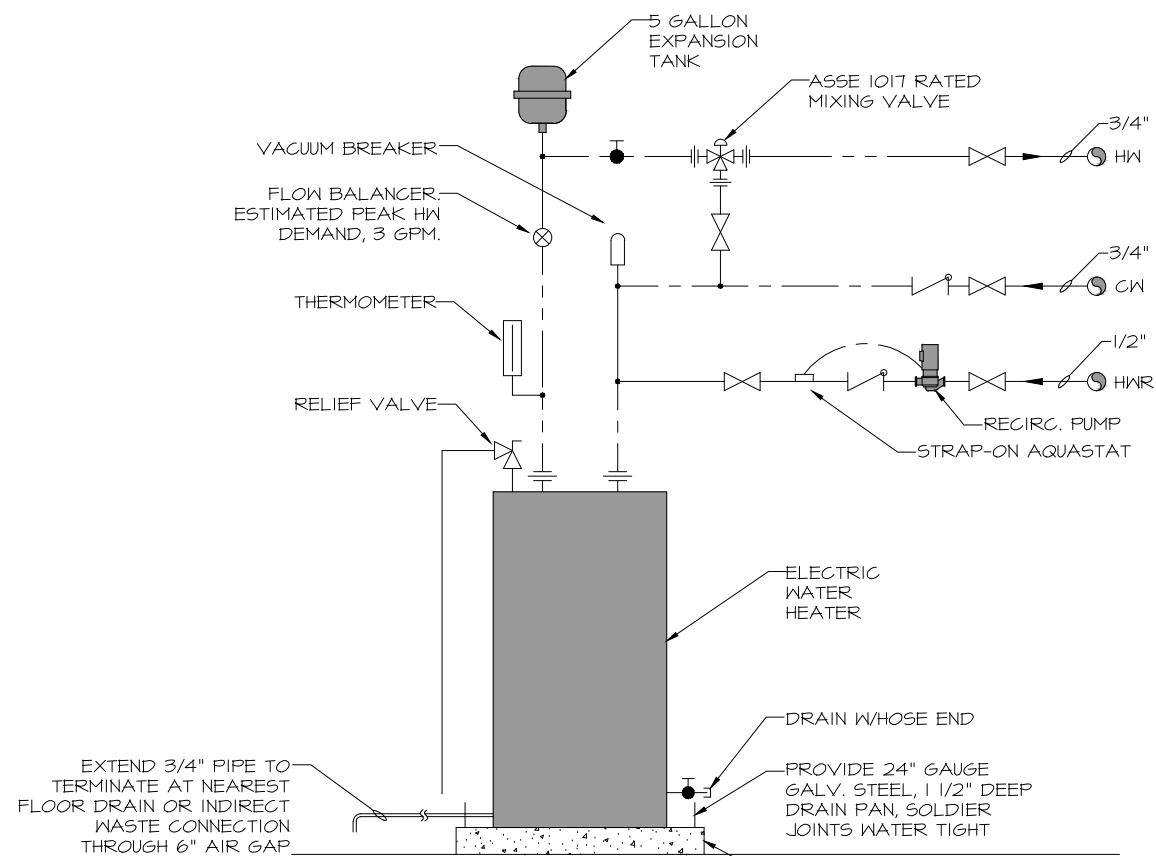




DOMESTIC WATER SERVICE ENTRANCE DETAIL

NO SCALE

NOTE: VERIFY PIPING ARRANGEMENT WITH MUNICIPAL WATER DEPARTMENT PRIOR TO ROUGH IN



WATER HEATER PIPING DETAIL

NO SCALE

PLUMBING SYMBOL LIST

ALL SYMBOLS ARE NOT NECESSARILY USED

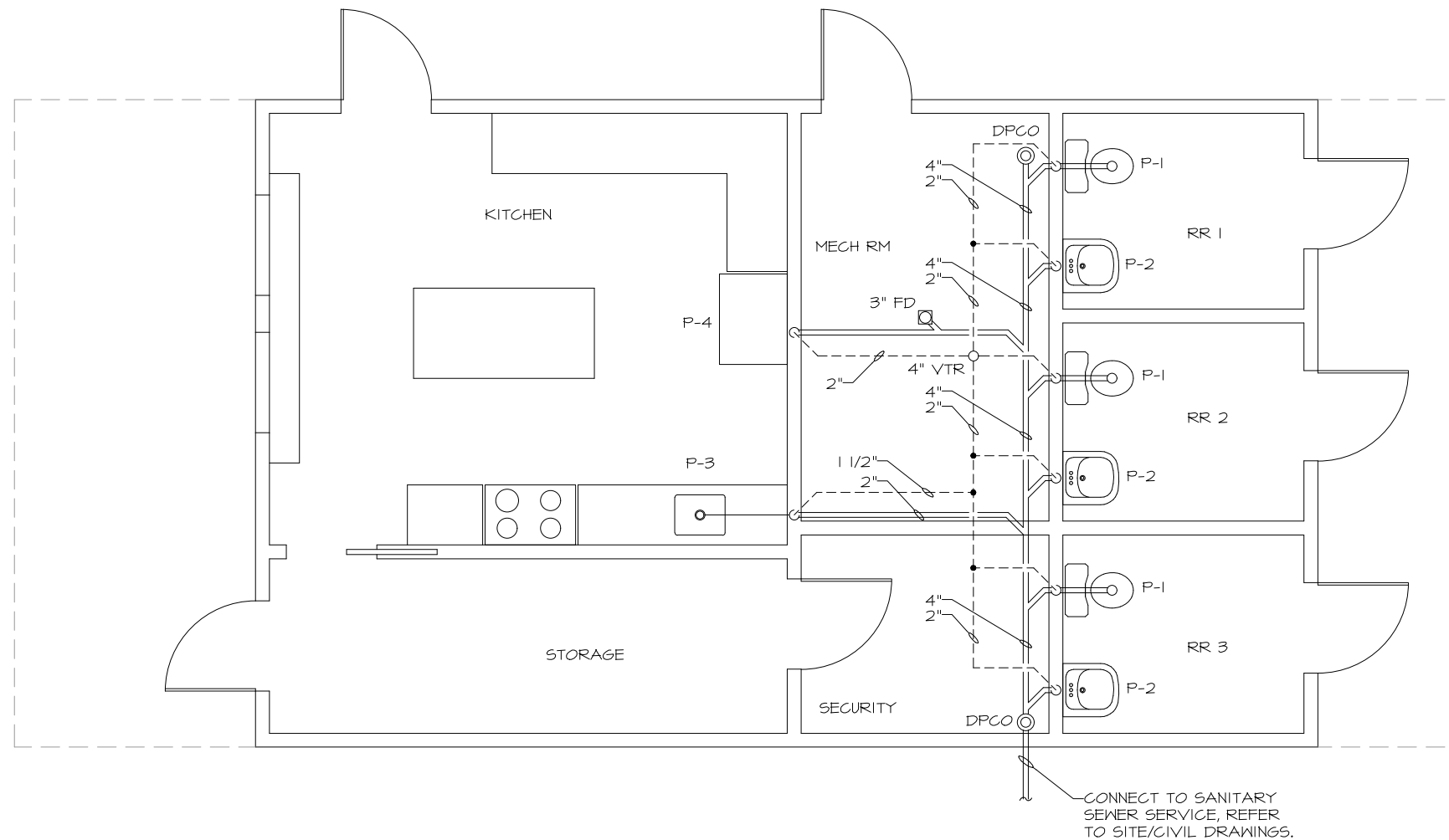
SYMBOLS	DESCRIPTION	ABBREVIATION	SYMBOLS	DESCRIPTION	ABBREVIATION
	SANITARY SOIL AND WASTE ABOVE GROUND	SW		DECK PLATE CLEANOUT	DPCO
	SANITARY SOIL AND WASTE BELOW GROUND/SLAB	SW		FLOOR OR ROOF DRAIN	FD, RD
	SANITARY VENT	V		WATER HAMMER ARRESTER	WHA
	VENT BELOW GROUND/SLAB	V		FUEL GAS	G
	COLD WATER	CW		LIQUID PETROLEUM GAS	LPG
	HOT WATER	HW		PRESSURE & TEMPERATURE RELIEF VALVE	PTV
	HOT WATER RECIRC	HWR		PRESSURE RELIEF VALVE	RV
	SHUTOFF VALVE			STRAINER	
	SHUTOFF VALVE			UNION	
	CHECK VALVE	CV		PRESSURE GAUGE	
	GLOBE VALVE	GLV		THERMOMETER	
	FLOW (BALANCING VALVE)	FBV		WATER HYDRANT	WH
	CONTROL VALVE	CLV		HOSE BIBB	HB
	PRESSURE REDUCING VALVE	PRV		NEW TO EXISTING CONNECTION	
	WATER METER	WM		NEW TO FUTURE CONNECTION	
	PIPING DROP OR DOWN THROUGH FLOOR	DROP, DN	PC	PUMPED CONDENSATE	CA COMPRESSED AIR
	PIPING RISE OR UP THROUGH CEILING	RISE, UP	PD	PUMPED DISCHARGE	DI DEIONIZED WATER
	CLEANOUT	CO	COND	COIL CONDENSATE	AR ARGON
	WALL CLEANOUT	WCO	VAC	VACUUM	O2 OXYGEN
			N2	NITROGEN	

FIXTURE CONNECTION SCHEDULE

SYM	FIXTURE	SUP	TRP	MINIMUM BRANCH SIZE				REMARKS
				WASTE	VENT	COLD	HOT	
P-1	WATER CLOSET	1/2	-	4	2	1/2	-	TANK TYPE, ADA COMPLIANT
P-2	LAVATORY	3/8	1-1/4	1-1/2	1-1/2	1/2	1/2	WALL HUNG, ADA COMPLIANT
P-3	SINK	3/8	1-1/4	1-1/2	1-1/2	1/2	1/2	DROP IN
P-4	WALL BOX	-	-	-	-	1/2	-	

DOMESTIC HOT WATER HEATER - ELECTRIC ELEMENT

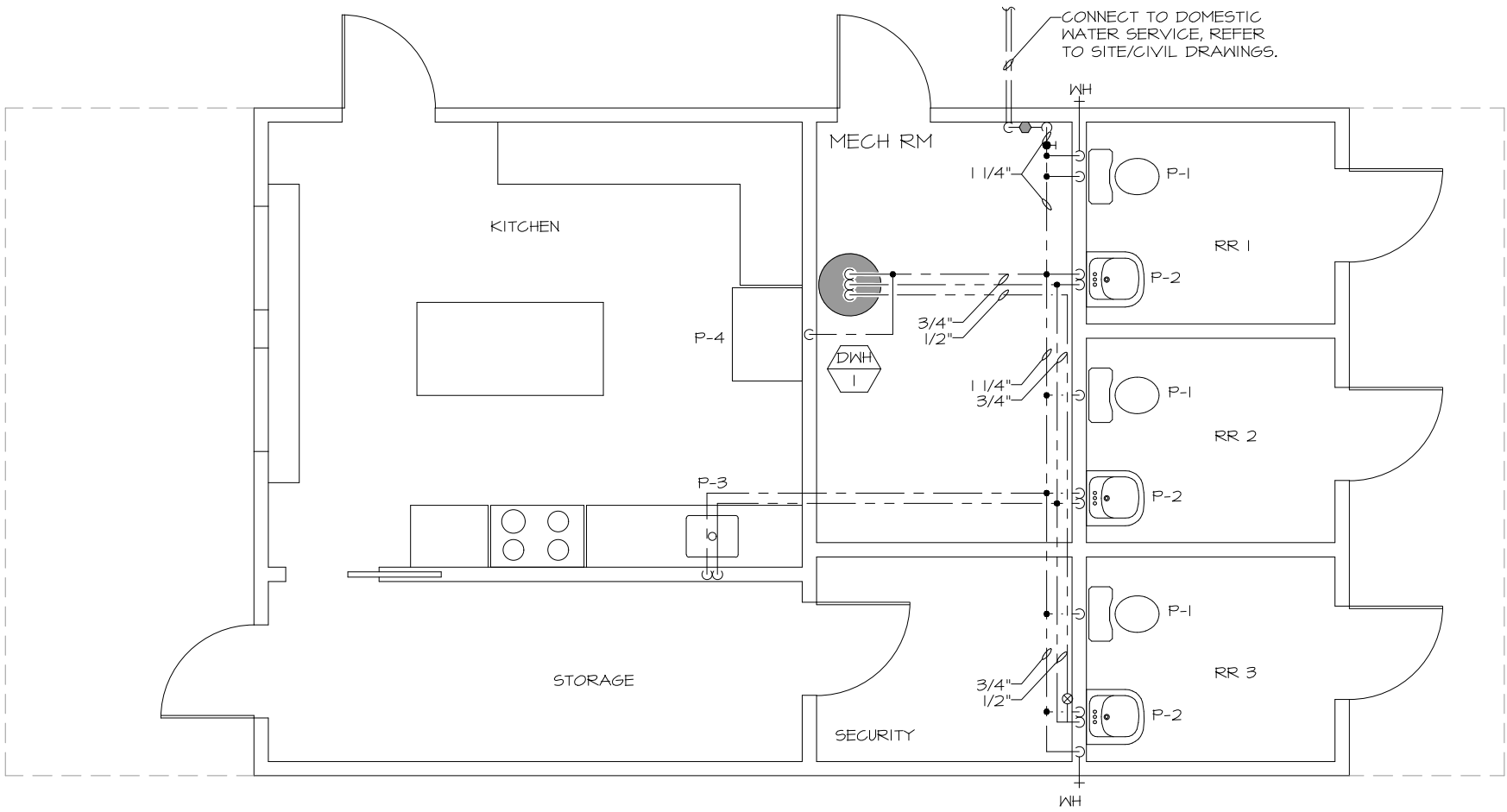
UNIT	LOCATION	SERVICE	STORAGE GALLONS	RECOVERY			VOLTS	PHASE	KW	DESIGN EQUIPMENT
				E.W.T. °F	L.W.T. °F	GPH				
DWH-1	AS SHOWN	DOM. HW	50	50	140	21	208	1Ø	4.5	AO SMITH DEL 50



PLUMBING FIRST FLOOR WASTE & VENT PLAN
SCALE: 3/16" = 1'-0"



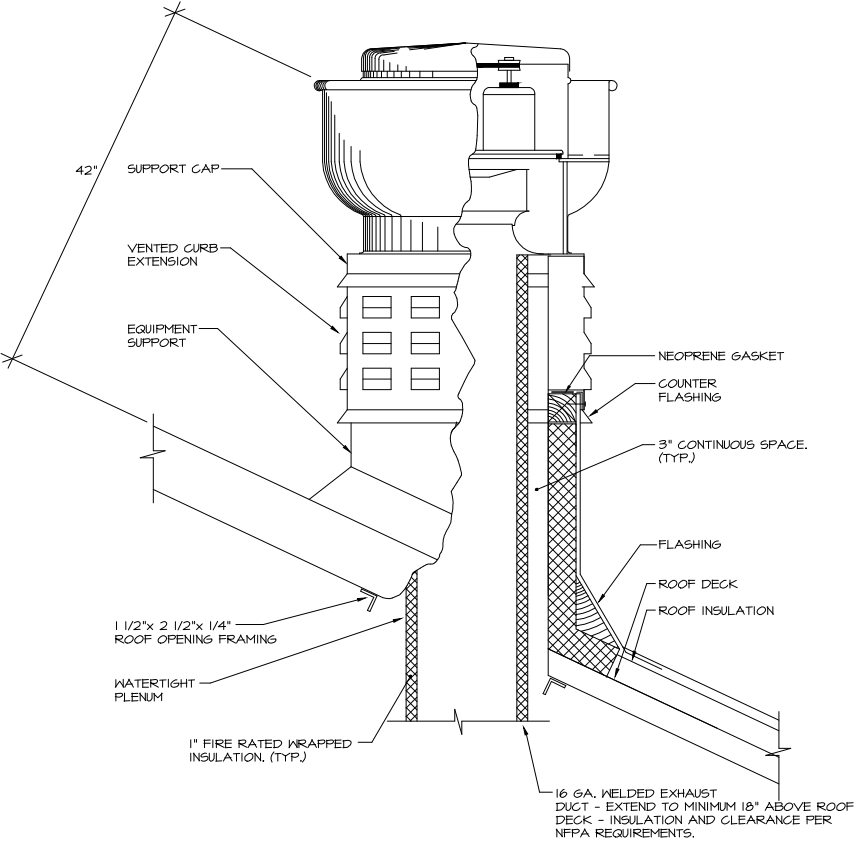
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			DATE 09/27/24
	CONVAL HIGH SCHOOL CONCESSION STANT PETERBOROUGH NH		DWG. NO. P-2



FIRST FLOOR SUPPLY PIPING PLAN
 SCALE: 3/16" = 1'-0"
 DRAWING NOTES:
 1.) PITCH PIPING & PROVIDE LOW POINT DRAINS IN MECHANICAL ROOM.



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ROOF MOUNTED EXHAUST FAN DETAIL
NO SCALE

- NOTES:
1. G.C. TO PROVIDE ROOF OPENINGS, FRAMING AND FLASHING.
LOCATION, SETTINGS AND SECURING OF CURB BY HVAC.
2. PROVIDE SHIMS WHERE REQUIRED TO LEVEL SUPPORT.

KITCHEN HOOD SCHEDULE										
UNIT NO.	LOCATION	SERVICE	LENGTH	WIDTH	TYPE	EXHAUST PLENUM				DESIGN EQUIPMENT
						TOTAL AIR CFM	S.P.	CONNECTION		
								QUANTITY	DIAMETER	
KH-1	KITCHEN	GAS RANGE	4'-0"	54"	I	750	0.5	1	10"	CAPTIVEAIRE 5424 ND-2

FAN SCHEDULE																	
UNIT NO.	LOCATION	SERVICE	TYPE	CFM	S.P.	FAN DIA.	BLADE TYPE	FAN RPM	DRIVE	CONTROL	MOTOR					DESIGN EQUIPMENT	
											RPM	HP	VOLTS	PHASE	STARTER		
EF-A	AS SHOWN	EXHAUST	CEILING	75	0.25	--	CENT.	1131	DIRECT	LOCAL SW.	1131	1/2 W	120	1 ø	MAG.	N/A	PANASONIC FV-05-IIVK1
KEF-1	ROOF	EXHAUST	UP-BLAST	750	1.0	--	CENT.	1445	DIRECT	KH-1	ECM	1/2	120	1 ø	MAG.	N/A	CAPTIVEAIRE DUS0HFA

HVAC SYMBOL LIST	
ALL SYMBOLS ARE NOT NECESSARILY USED	
FD	FIRE DAMPER
SD	SMOKE DAMPER
FSD	COMBINATION FIRE AND SMOKE DAMPER
BD	BACKDRAFT DAMPER
	VOLUME DAMPER
MD	MANUAL DAMPER
MOD	MOTOR OPERATED DAMPER
CFM	CUBIC FEET/MINUTE
FFM	FEET/MINUTE
NTS	NOT TO SCALE
DSD	DUCT SMOKE DETECTOR
MBH	THOUSAND BTU/HOUR
OED	OPEN ENDED DUCT
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
(e)	EXISTING
ETR	EXISTING TO REMAIN
re	REMOVE EXISTING
rr	REMOVE & REPLACE
AFF	ABOVE FINISH FLOOR
BFC	BELOW FINISH CEILING
Ⓟ	THERMOSTAT
Ⓟ _E	ELECTRIC THERMOSTAT
Ⓟ ₂	WITH MULTIPLE SET POINTS
Ⓟ _G	WITH A GUARD
Ⓟ ₆	TEMPERATURE SENSOR
Ⓢ	SLAB SENSOR
Ⓢ	STATIC PRESSURE SENSOR
Ⓜ	HUMIDISTAT
Ⓜ _{CD}	HUMIDISTAT UNDERCUT DOOR (1" BY THE G.C.)
→	AIR FLOW
Ⓜ	SHEET METAL CAP ON EXISTING DUCT
Ⓜ	ACCESS DOOR, MIN 1.0 SQ.FT.
Ⓜ	ACOUSTIC THERMAL LINING
Ⓜ	SOUND ATTENUATOR
Ⓜ	WORK TO BE REMOVED
Ⓜ	NEW TO EXISTING CONNECTION
Ⓜ	NEW TO FUTURE CONNECTION
Ⓜ	DIFFUSER W/ FLEX. DUCT CONNECTION (REG. SIMILAR)
Ⓜ	DIFFUSER W/ RIGID DUCT CONNECTION (REG. SIMILAR)



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MECHANICAL
SCHEDULES

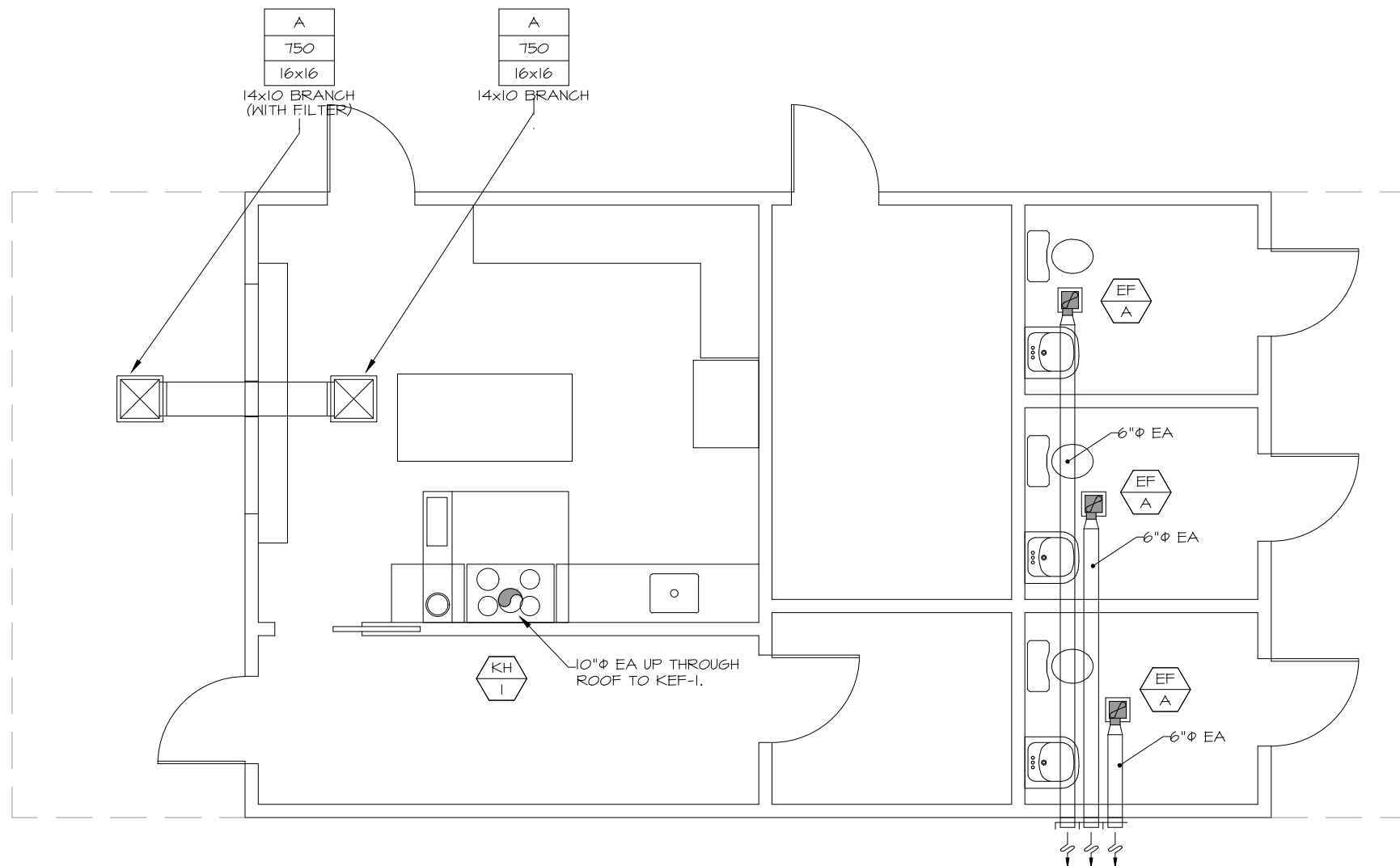
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DATE 09/27/24

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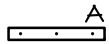
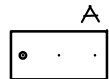
M-1

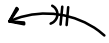


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			DATE 09/27/24
	CONVAL HIGH SCHOOL CONCESSION STANT PETERBOROUGH NH		DWG. NO. M-2

ELECTRICAL SYMBOL LIST

NOT ALL SYMBOLS ARE NECESSARILY USED

	FLUORESCENT STRIP, WRAP, OR LINEAR FIXTURE
	RECESSED, FLUORESCENT FIXTURE
	CEILING FIXTURE: SURFACE OR RECESS MOUNTING, REFER TO SPECIFICATIONS. RECESS: PROVIDE DIRECT CONTACT, WITH INSULATION WHERE APPLICABLE COORDINATE WITH ARCH. PLANS/ELEVATIONS
	EMERGENCY BATTERY UNIT, NO ATTACHED HEADS
	EMERGENCY BATTERY UNIT, ATTACHED HEADS
	REMOTE EMERGENCY LIGHTING FIXTURE, DOUBLE HEAD, POWERED FROM REMOTE BATTERY UNIT
	EXIT SIGN, SELF POWERED
	LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY BACKUP
	SINGLE POLE SWITCH 20 AMP 125/277 VOLT TOGGLE
	3-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
	4-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
	DIMMER SWITCH, 120 VOLT, SLIDE TYPE, 1000 WATT MIN
	SWITCH WITH INTEGRAL OCCUPANCY SENSOR
	DUPLEX RECEPTACLE 20 AMP 125 VOLT
	CEILING MOUNTED RECEPTACLE, WHITE COLOR, FOR "SHOW WINDOW" USE, 120 VOLT, 20 AMP, WHITE PLATE
	DUPLEX RECEPTACLE ABOVE COUNTER AND BACKSPLASH, VERIFY FINAL MOUNTING HEIGHT ON SITE PRIOR TO ROUGH IN
	DOUBLE DUPLEX RECEPTACLE, INSTALL IN 2-GANG BOX UNDER ONE 2-GANG PLATE, WIRE TO COMMON CIRCUIT AS SHOWN
	DUPLEX RECEPTACLE WITH METAL WEATHERPROOF IN-USE, GASKETED COVER
	GROUND FAULT TYPE DUPLEX RECEPTACLE, 20 AMP 125 VOLT CLASS A WITH 20 AMP FEED THROUGH RATING, PLATE TO MATCH OTHER DEVICES INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN. 3-1/2" WALL BOX)
	GROUND FAULT TYPE DUPLEX RECEPTACLE, WITH WEATHERPROOF COVER INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN. 3-1/2" WALL BOX)
	SPECIAL 1 ϕ OR 3 ϕ OUTLET, 208 VOLT, CONFIRM AMPERAGE AND N.E.M.A. CONFIGURATION TO SUITE EQUIPMENT BEING SERVED
	TELEPHONE SYSTEM NETWORK INTERFACE (DEMARCTION) POINT FURNISHED AND INSTALLED BY LOCAL TELEPHONE SERVICE CO, QUANTITY AS REQUESTED BY OWNER TO SERVE NEEDS
	TELEPHONE OUTLET, BOX AND DROP SEE DROP DETAIL AND PHONE RISER

	TELEPHONE OUTLET, WALL TYPE
	CATV OUTLET BOX AND DROP, SEE DETAILS AND CATV RISER DIAGRAM
	COMPUTER OUTLET BOX AND DROP, SEE DETAILS
	WIRING HOME RUN TO PANEL AS NOTED, (2) #12, (1) #12 GND MIN, BACK TO 20 AMP, SINGLE POLE BREAKER UNLESS NOTED OTHERWISE
	INDICATES (2) POWER CONDUCTORS WITH FULL SIZE GROUND
	INDICATES (3) POWER CONDUCTORS WITH FULL SIZE GROUND
	INDICATES (4) POWER CONDUCTORS WITH FULL SIZE GROUND
	CABLE OR RACEWAY RUN CONCEALED IN WALLS OR CEILINGS SURFACE MOUNTED WHERE NOTED OR ALLOWED IN UTILITY OR UNFINISHED AREAS
	EMERGENCY LIGHTING LOW VOLTAGE (12 VDC) WIRING, RUN CONCEALED IN WALLS OR ABOVE CEILINGS. SURFACE MOUNTED ONLY IN UTILITY AREAS OR WHERE SPECIFICALLY ALLOWED
	ELECTRICAL PANELBOARD, VOLTAGE AND PHASE AS NOTED REFER TO POWER RISER DIAGRAM AND PANEL SCHEDULES FOR DETAILS
	TELEPHONE AND CATV BACKBOARD BY E.C., SEE SYSTEMS RISER DIAGRAMS FOR ADDITIONAL DETAILS AND SPECIFICATIONS
	DISCONNECT SWITCH BY E.C., 250 VOLT, NEMA 1 (OR 3R AS NOTED), FUSIBLE, SIZE AS NOTED OR REQUIRED, DUAL ELEMENT, TIME DELAY FUSES SIZED, FURNISHED AND INSTALLED BY EC PER EQUIPMENT NAMEPLATE VALUES
	A.C. SWITCH, RATED FOR AMPERAGE AND H.P. OF EQUIPMENT SERVED, FUSED WHERE SERVING EQUIPMENT WITHOUT INTEGRAL OVERLOAD PROTECTION
	TIMECLOCK
	PHOTOCELL
	EQUIPMENT MOTOR, FURNISHED AND INSTALLED COMPLETE BY OTHERS AS NOTED, POWER WIRING AND DISCONNECT BY E.C. AS REQUIRED



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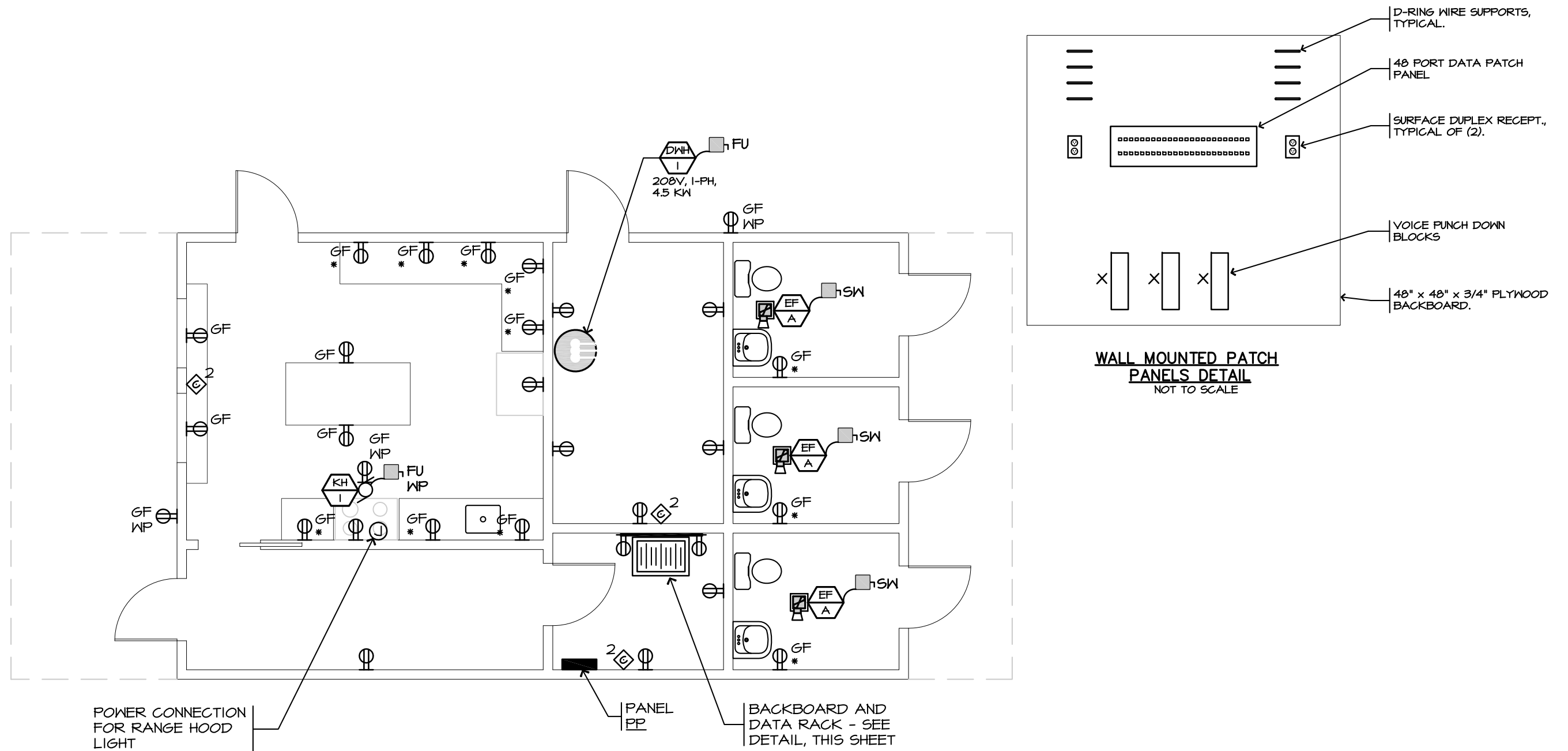
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ELECTRICAL
LEGEND

CONVAL HIGH SCHOOL
CONCESSION STANT
PETERBOROUGH NH

PROJ. # 23164
DATE 09/27/24
DWS. NO.

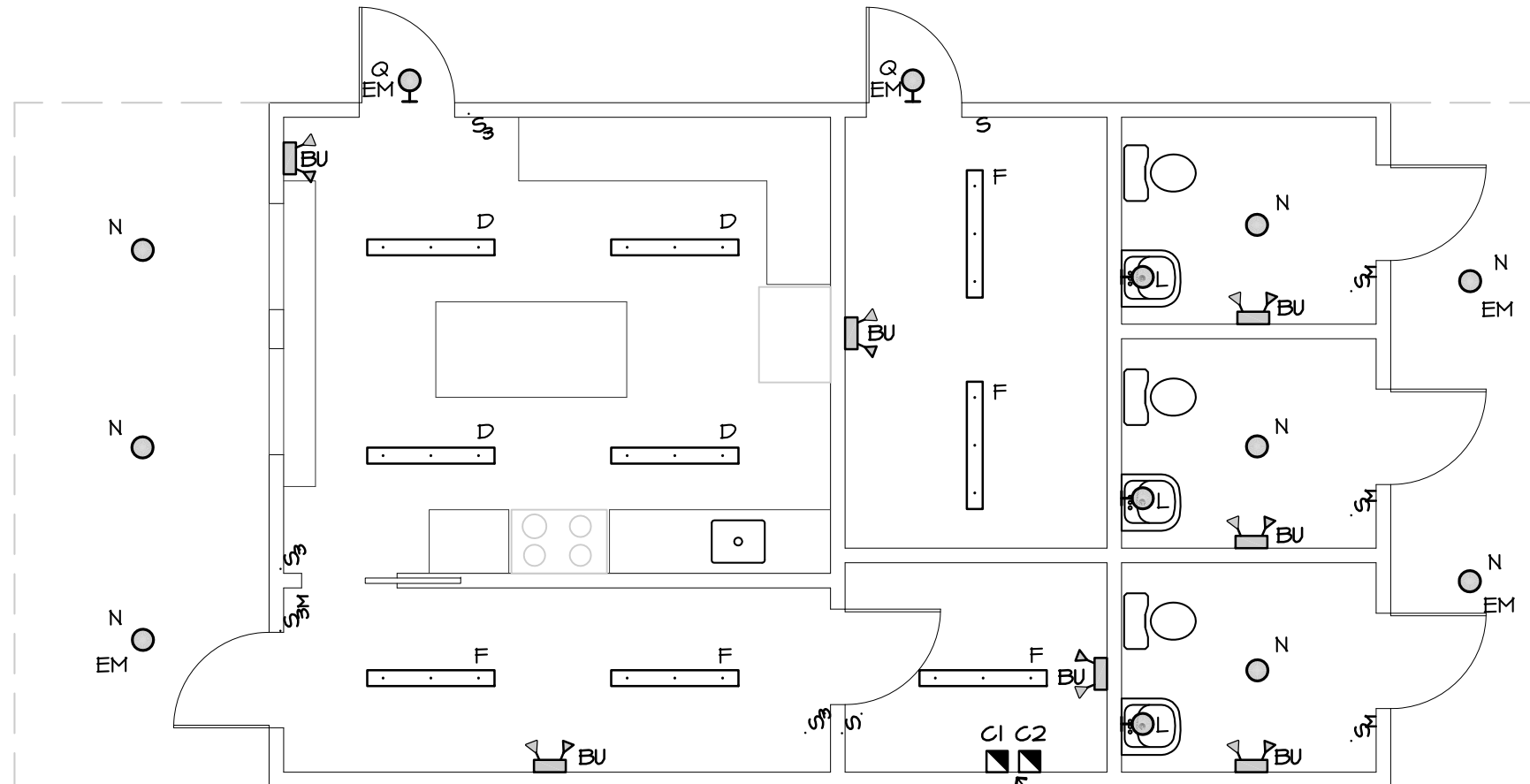
E-1



ELECTRICAL POWER AND COMMUNICATIONS PLAN
SCALE: 3/16" = 1'-0"

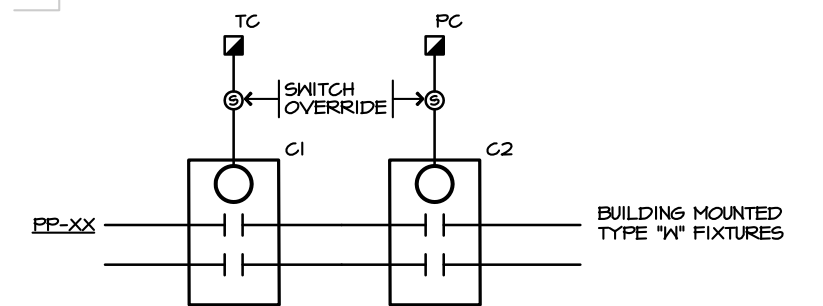


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			DATE 09/27/24
	CONVAL HIGH SCHOOL CONCESSION STANT PETERBOROUGH NH		DWG. NO. E-2



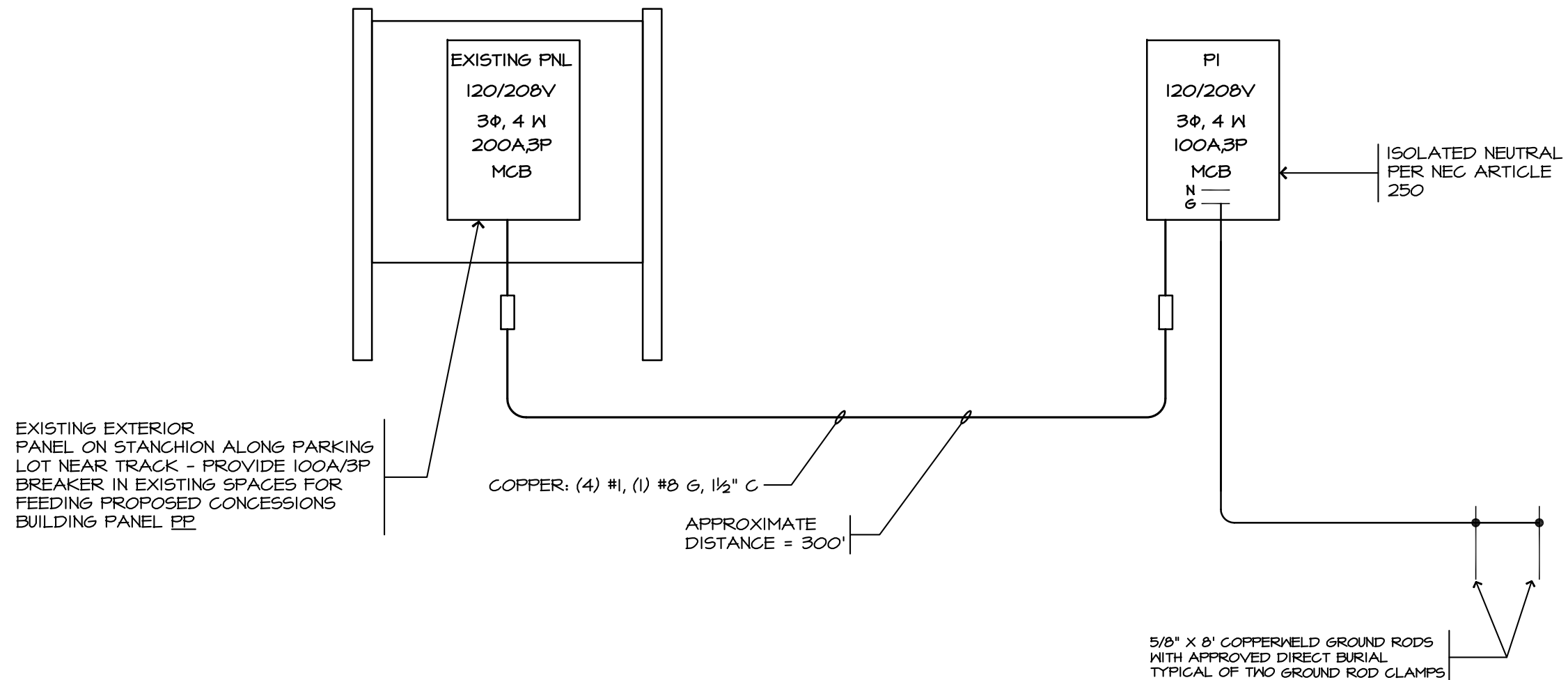
EXTERIOR LIGHTING
CONTROLS - SEE
DETAIL, THIS SHEET

ELECTRICAL LIGHTING PLAN
SCALE: 3/16" = 1'-0"



EXTERIOR LIGHTING CONTROL DIAGRAM
NOT TO SCALE

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		CONVAL HIGH SCHOOL CONCESSION STANT PETERBOROUGH NH	DATE 09/27/24
			DWS. NO. E-3



ELECTRICAL POWER RISER DIAGRAM
NO SCALE

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			DATE 09/27/24
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PANEL:		VOLTAGE:		PHASE:		MAIN:		A - MLO ☐ MCB ☐	
TYPE: PANELBOARD ☐ LOADCENTER ☐ PLUG IN ☐ BOLT ON ☐ FAULT RATING:									
LOCATION:			MOUNTING:				SURFACE		
DIRECTORY	TRIP	⌀	A⌀	B⌀	C⌀	⌀	TRIP	DIRECTORY	
ROOM # RECEPTACLES	20/1	1	---			2	20/1	ROOM # RECEPTACLES	
ROOM # RECEPTACLES	20/1	3		---		4	20/1	ROOM # RECEPTACLES	
ROOM # RECEPTACLES	20/1	5			---	6	20/1	ROOM # RECEPTACLES	
ROOM # RECEPTACLES	20/1	7	---			8	20/1	ROOM # RECEPTACLES	
ROOM # RECEPTACLES	20/1	9		---		10	20/1	ROOM # RECEPTACLES	
ROOM # RECEPTACLES	20/1	11			---	12	20/1	ROOM # RECEPTACLES	
SPARE	20/1	13	---			14	20/1	SPARE	
SPARE	20/1	15		---		16	20/1	SPARE	
ROOM # RECEPTACLES	20/1	17			---	18	20/1	COPIER RECEPTACLE	
ROOM # RECEPTACLES	20/1	19	---			20	20/1	SPARE	
CABINET UNIT HEATER(S)	20/1	21		---		22	20/1	CABINET UNIT HEATER(S)	
EXHAUST FAN (EF-X)	20/1	23			---	24	20/1	EXHAUST FAN (EF-X)	
SPARE	20/1	25	---			26	20/1	SPARE	
SPARE	20/1	27		---		28	20/1	SPARE	
ROOM # LIGHTING	20/1	29			---	30	20/1	ROOM # LIGHTING	
ROOM # LIGHTING	20/1	31	---			32	20/1	ROOM # LIGHTING	
ROOM # LIGHTING	20/1	33		---		34	20/1	ROOM # LIGHTING	
ROOM # LIGHTING	20/1	35			---	36	20/1	ROOM # LIGHTING	
ROOM # LIGHTING	20/1	37	---			38	20/1	ROOM # LIGHTING	
ROOM # LIGHTING	20/1	39		---		40	20/1	ROOM # LIGHTING	
RECEPTACLE MTD. BELOW THIS PANEL	20/1	41			---	42	20/1	SPARE	
CONNECTED LOAD			---	---	---	NOTES (IG) ISOLATED GROUND BUS (GF) GROUND FAULT (BL) BREAKER LOCK KIT			
DEMAND 70%			---	---	---				
TOTAL DEMAND LOAD			---						

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