

- NOTES BY SYMBOL
- 1

ELECTRIC SERVICE EQUIPMENT, SEE RISER DIAGRAM ON SHEET E6.2.
- 2

POWER COMPANY PROVIDED PAD MOUNTED UTILITY TRANSFORMER. CONCRETE PAD BY GENERAL CONTRACTOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH POWER UTILITY COMPANY PRIOR TO COMMENCING WORK.
- 3

METER CENTER SERVICE LATERAL, COORDINATE ROUTING WITH LOCAL POWER COMPANY. SEE 1.E1.2 FOR MORE INFORMATION.
- 4

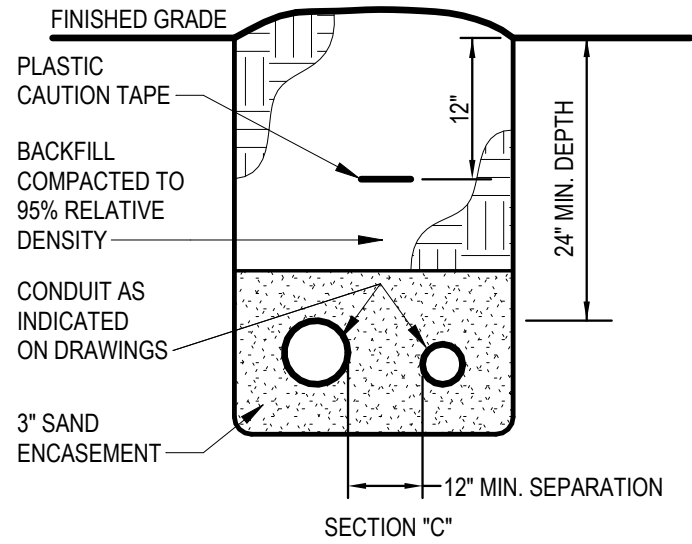
HOUSE SERVICE LATERAL, COORDINATE ROUTING WITH LOCAL POWER COMPANY. SEE 1.E1.2 FOR MORE INFORMATION.
- 5

(2) 4" CONDUITS BELOW GRADE FOR COMMUNICATIONS SERVICES. PROVIDE PULLSTRING IN EACH RACEWAY. VERIFY EXACT REQUIREMENTS AND TERMINATION POINT AT PROPERTY LINE WITH LOCAL COMMUNICATIONS ACCESS PROVIDER.
- 6

SANITARY SEWER, SEE CIVIL DRAWINGS FOR CONTINUATION.
- 7

DOMESTIC WATER SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION.
- 8

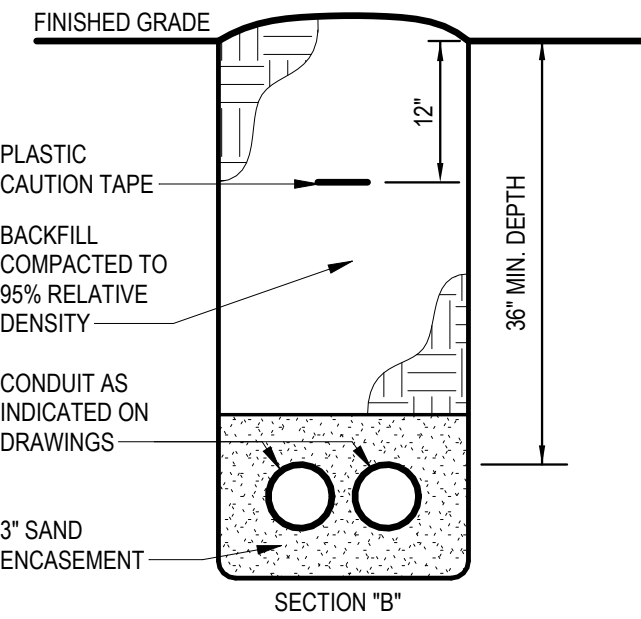
FIRE SUPPRESSION SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION.



6

CONDUIT TRENCH SECTION C

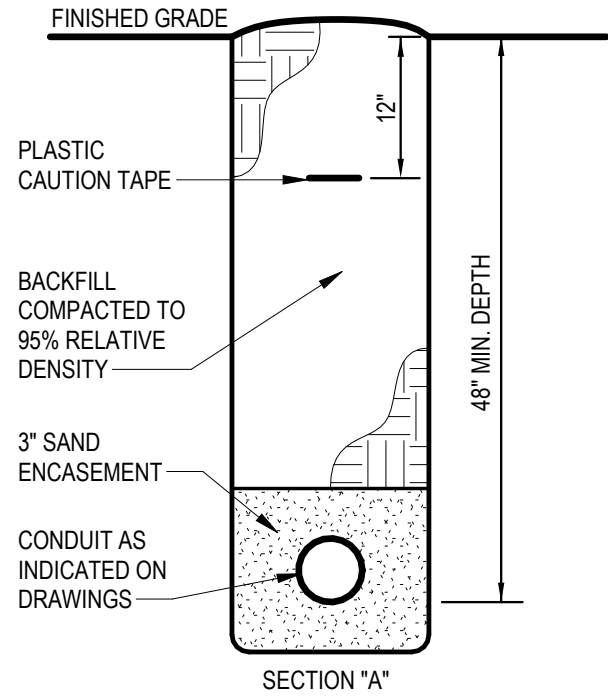
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5

CONDUIT TRENCH SECTION B

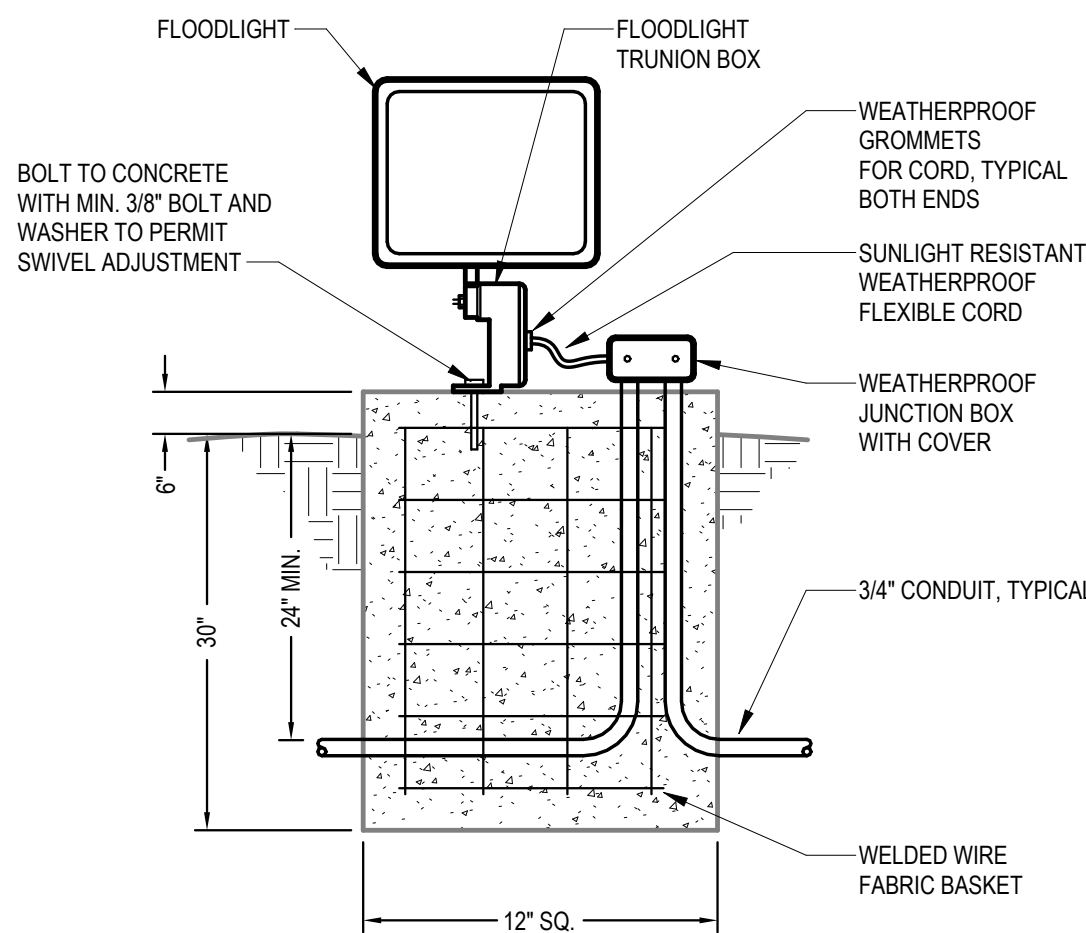
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4

CONDUIT TRENCH SECTION A

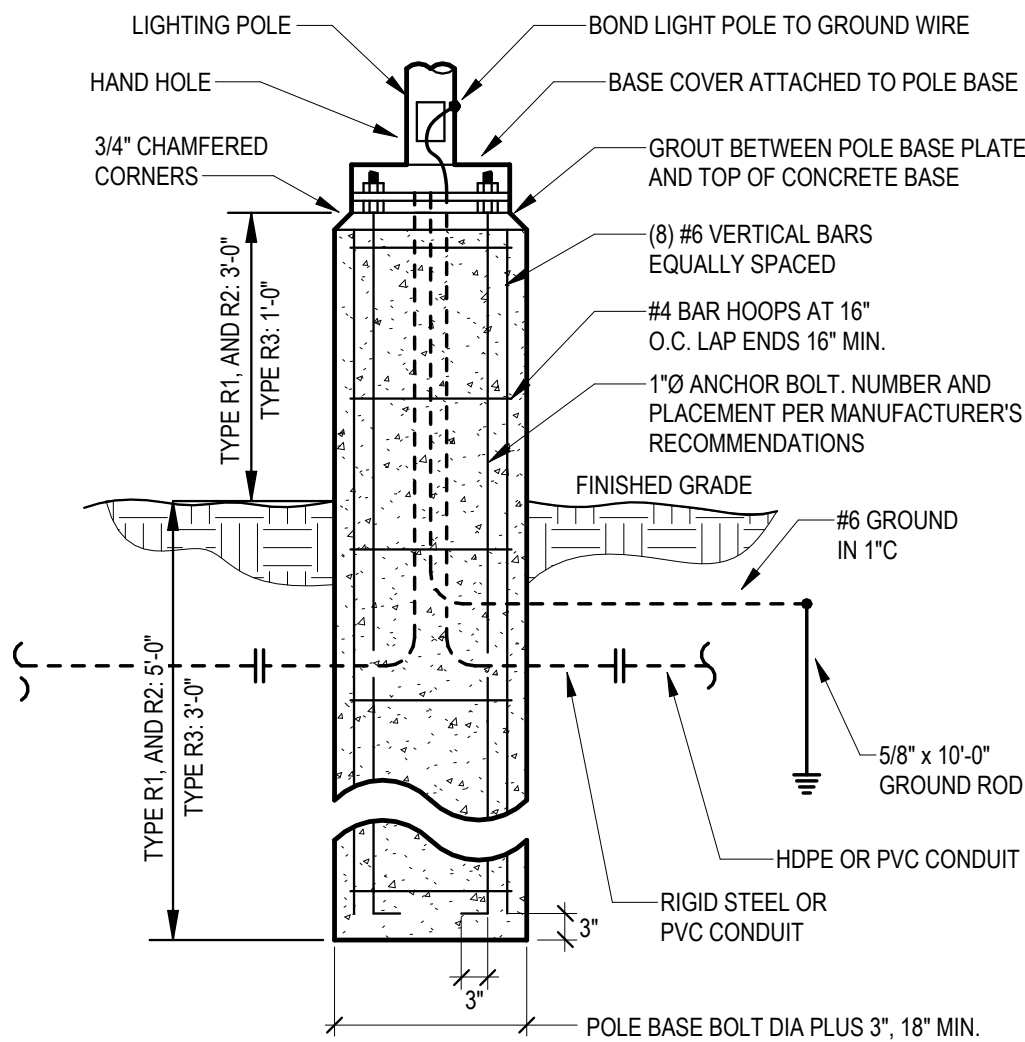
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3

GROUND LIGHT DETAIL

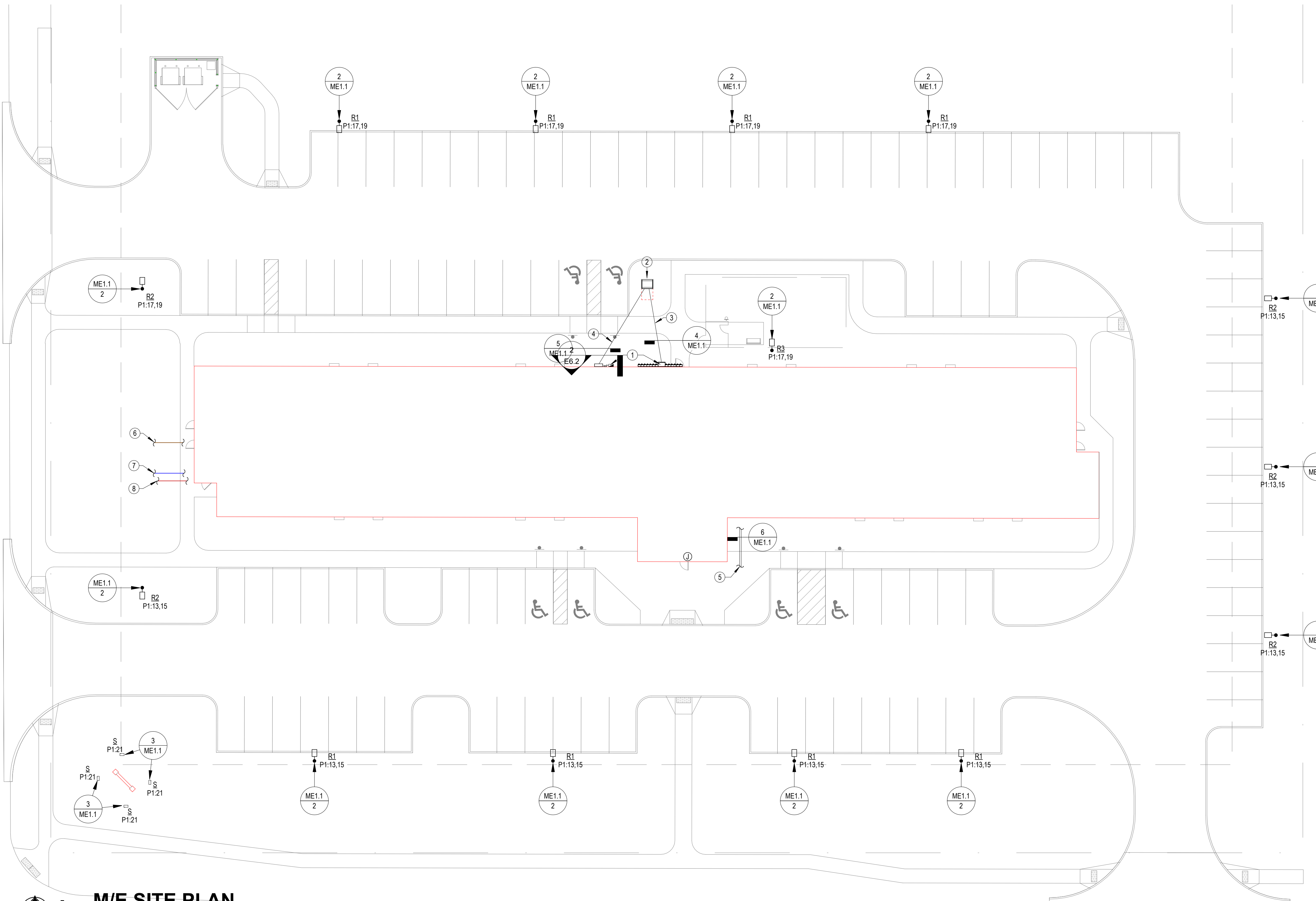
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2

LIGHT POLE BASE DETAIL

NO SCALE

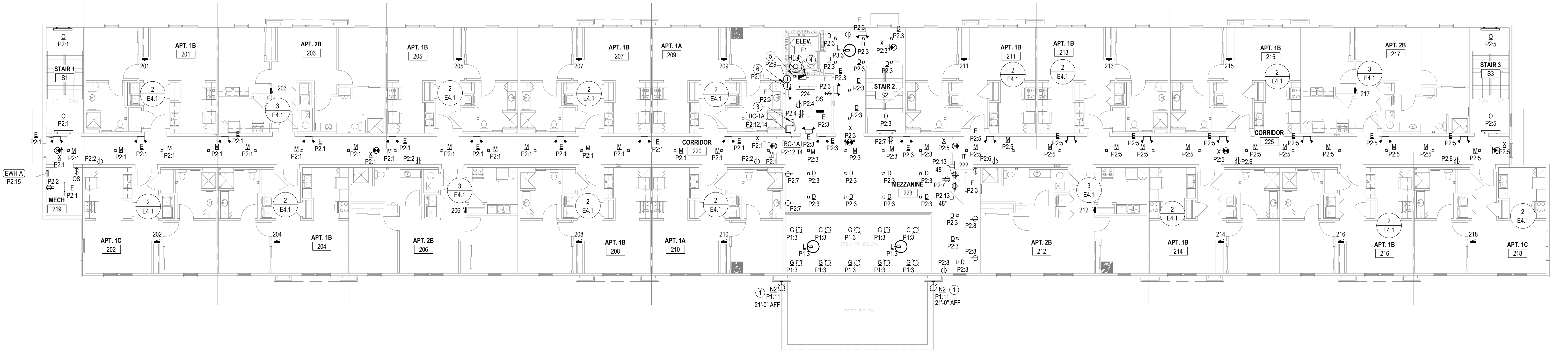


1

M/E SITE PLAN

1" = 20'-0"

- NOTES BY SYMBOL**
- ROUTE CIRCUIT THROUGH CONTACTOR INDICATED.
 - 120V POWER FOR FIRE SPRINKLER SYSTEM FLOW SWITCH(ES) AND BELL. PROVIDE #8 CU BONDING JUMPER FROM CIRCUIT EQUIPMENT GROUNDING CONDUCTOR TO METAL SPRINKLER SYSTEM PIPING AT AN ACCESSIBLE LOCATION PER NEC 250.104(B). COORDINATE WORK WITH FIRE SPRINKLER SYSTEM INSTALLER.
 - PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE, HUBBELL #HBL7832D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
 - ELEVATOR POWER MODULE SWITCH: 400A/208V/3P SWITCH COMPLETE WITH 225A DUAL ELEMENT, TIME DELAY CLASS 'J' FUSES, 120V CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST SWITCH, GREEN PILOT LIGHT, AUXILIARY CONTACTS FOR ELEVATOR RECALL, AND FIRE ALARM VOLTAGE MONITORING RELAY. EATON BUSSMAN #PS4-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER, AND PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER. SEE DETAIL 1:E6.1.
 - 30A DISCONNECT SWITCH, LOCKABLE IN "OFF" POSITION, WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CORRESPONDING ELEVATOR CAR NUMBER AND CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
 - PROVIDE POWER FOR ELEVATOR SHUNT TRIP CONTROL. SEE 1:E6.1 FOR MORE INFORMATION.





REVISIONS:

DATE: 8-1-2025
JOB: 25-3489
SHEET NO.:

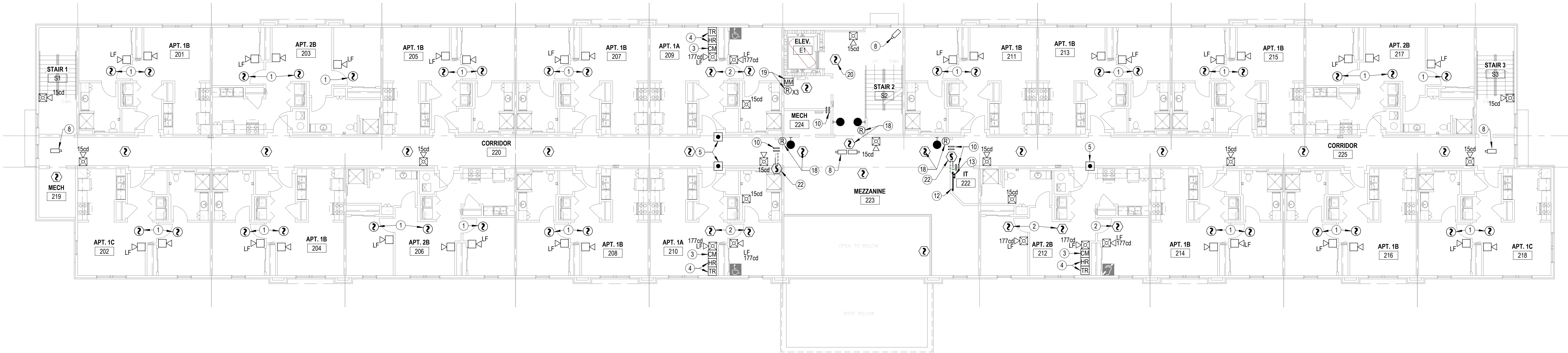
E1.3

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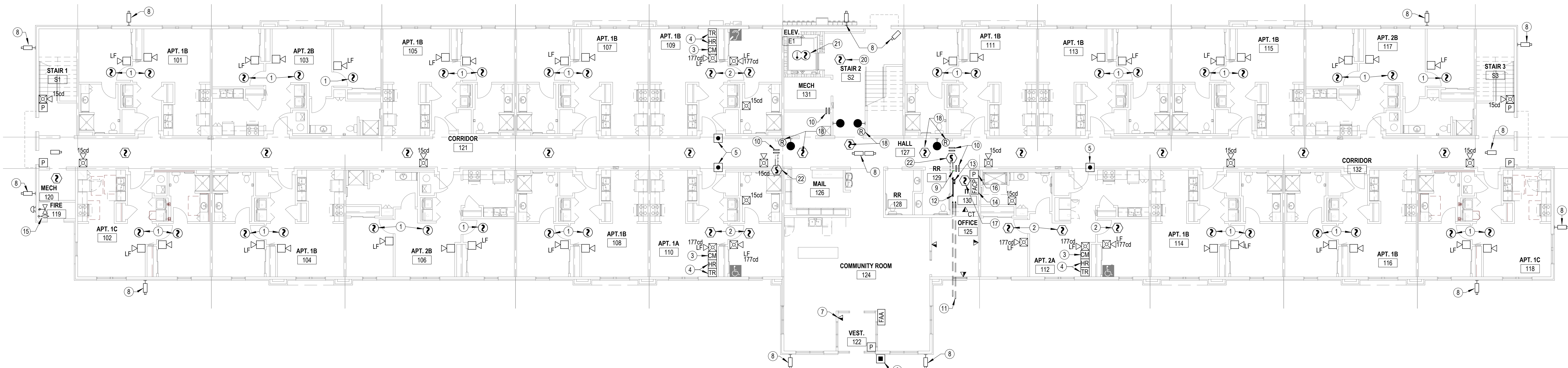
- NOTES BY SYMBOL**
- 1 CEILING MOUNTED SMOKE ALARM IN APARTMENTS TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 DB OUTPUT AT 10'. SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK #SC701LBL OR EQUAL.
 - 2 FIRE ALARM SMOKE DETECTOR.
 - 3 FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
 - 4 PROVIDE DOOR ANNUNCIATOR SYSTEM AN HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 8' AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 3, SHEET E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
 - 5 PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 3, SHEET E6.1.
 - 6 PROVIDE PUSH BUTTON ROUGH-IN AND PREP DOOR JAM WITH RACEWAY AS INDICATED IN DETAIL 3.E6.1 FOR AUTOMATIC DOOR OPENER. COORDINATE EXACT REQUIREMENTS WITH OWNER.
 - 7 PROVIDE ROUGH-IN FOR 24 HOUR INTERCOMM SYSTEM. COORDINATE EQUIPMENTS AND LOCATION WITH OWNER AND ARCHITECT.
 - 8 PROVIDE ROUGH-IN FOR SECURITY CAMERA. COORDINATE LOCATIONS AND REQUIREMENTS WITH OWNER.
 - 9 (2) 4" CONDUIT UP TO SECOND FLOOR FOR COMMUNICATIONS SERVICES. TERMINATE ABOVE SECOND FLOOR AND BELOW COMMUNICATIONS BACKBOARD. WHERE CONDUIT PENETRATES FIRE RATED ASSEMBLY, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.

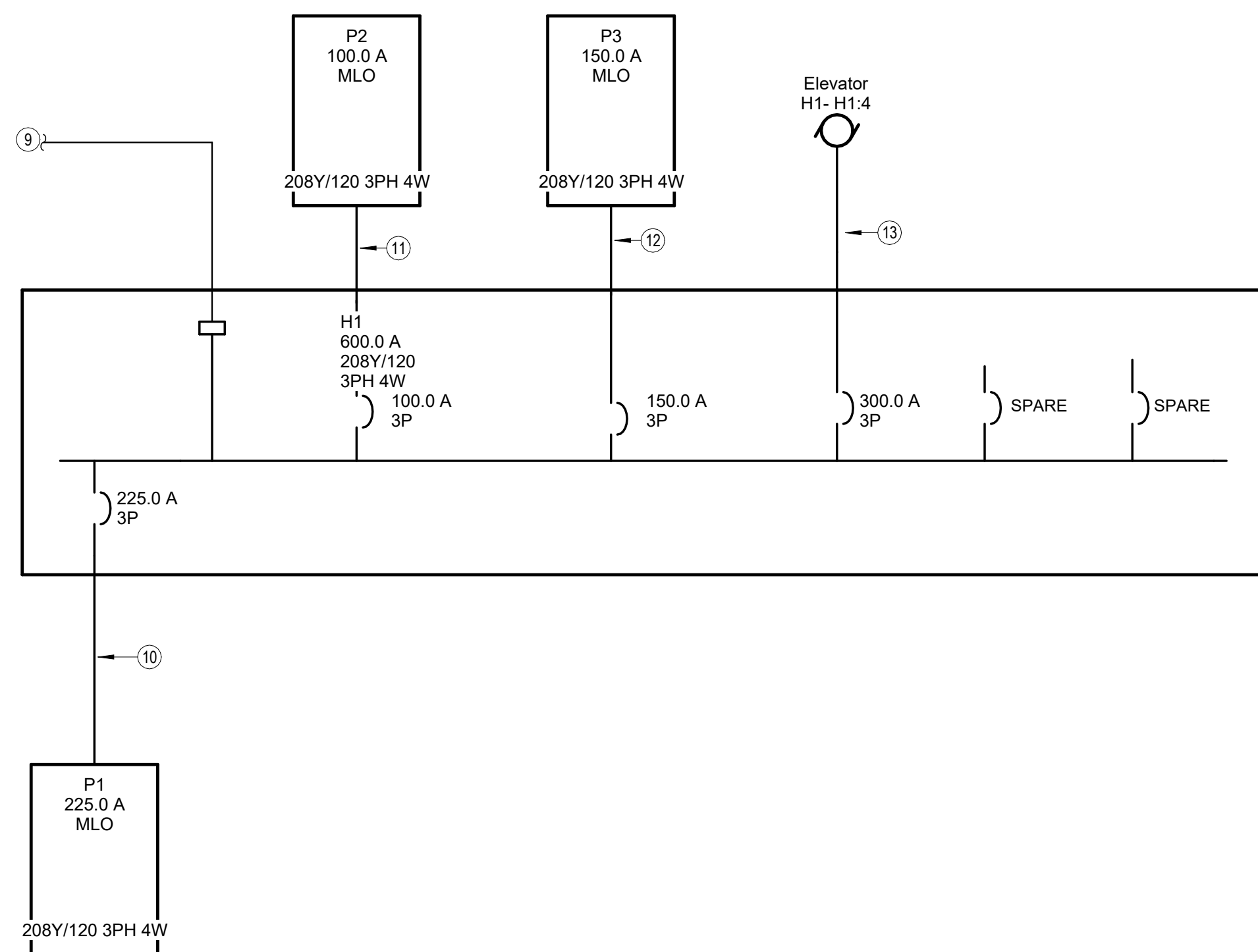
- NOTES BY SYMBOL**
- 10 4" EMT CONDUIT SLEEVE(S) THROUGH WALL WITH NYLON BUSHINGS FOR COMMUNICATIONS CABLE. QUANTITY AND SIZE AS REQUIRED. INSTALL ABOVE ACCESSIBLE CEILING. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS. PROVIDE J-HOOKS FOR COMMUNICATIONS CABLES INSTALLED ABOVE SUSPENDED CEILING, SPACED AT MAXIMUM 5'-0" ON CENTER. J-HOOKS SHALL HAVE 4" MIN BUNDLE CAPACITY, 1" BEND RADIUS CONTROL, AND SHALL BE U.L. 2043 LISTED. PANDUIT "J-PRO JP4 SERIES" OR EQUAL.
 - 11 (2) 2" CONDUITS FOR COMMUNICATIONS SERVICES. SEE SITE PLAN FOR CONTINUATION.
 - 12 PROVIDE 8' LONG SHEET OF 3/4" ACX FIRE RETARDANT PLYWOOD INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. WIDTH AS REQUIRED. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
 - 13 TELECOMMUNICATIONS GROUND BAR SHALL BE 13-1/4"W x 2"H x 1/4" THICK ELECTRO-TIN PLATED COPPER BUS BAR, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS, ERICO #GTB414L06PT OR EQUAL. MOUNT AT 18" AFF. ALL CONNECTIONS TO GROUND BAR SHALL BE MADE USING COMPRESSION TYPE LUGS.
 - 14 PROVIDE (2) CAT 5e UTP, NEC TYPE "CMP" CABLES (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM FACP TO MAIN TELECOM TERMINAL BOARD FOR CONNECTION TO FA SYSTEM DACT FOR REMOTE MONITORING.
 - 15 PROVIDE ADDRESSABLE FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE QUANTITIES AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR.
 - 16 PROVIDE MANUAL PULL STATION AT FACP CLOSEST AND CONNECT TO FIRE ALARM SYSTEM.
 - 17 PROVIDE SMOKE DETECTOR ABOVE FACP AND CONNECT TO FIRE ALARM SYSTEM.

- NOTES BY SYMBOL**
- 18 SMOKE DETECTOR AND ADDRESSABLE RELAY FOR CONTROL OF ELECTROMAGNETIC DOOR HOLDERS. DOORS SHALL RELEASE UPON DETECTION OF SMOKE.
 - 19 ADDRESSABLE FIRE ALARM RELAYS FOR ELEVATOR RECALL, FIREMAN'S HAT, AND POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE FOR MONITORING OF SHUNT-TRIP VOLTAGE. SEE ETAL 1.E6.1.
 - 20 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE 1.E6.1.
 - 21 SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR PIT/HOISTWAY FIRE RECALL AND SHUT-DOWN. SEE 1.E6.1.
 - 22 PROVIDE DUCT SMOKE DETECTOR WITHIN 5' OF FIRE/SMOKE DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY FOR CONTROL OF 120V POWER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.

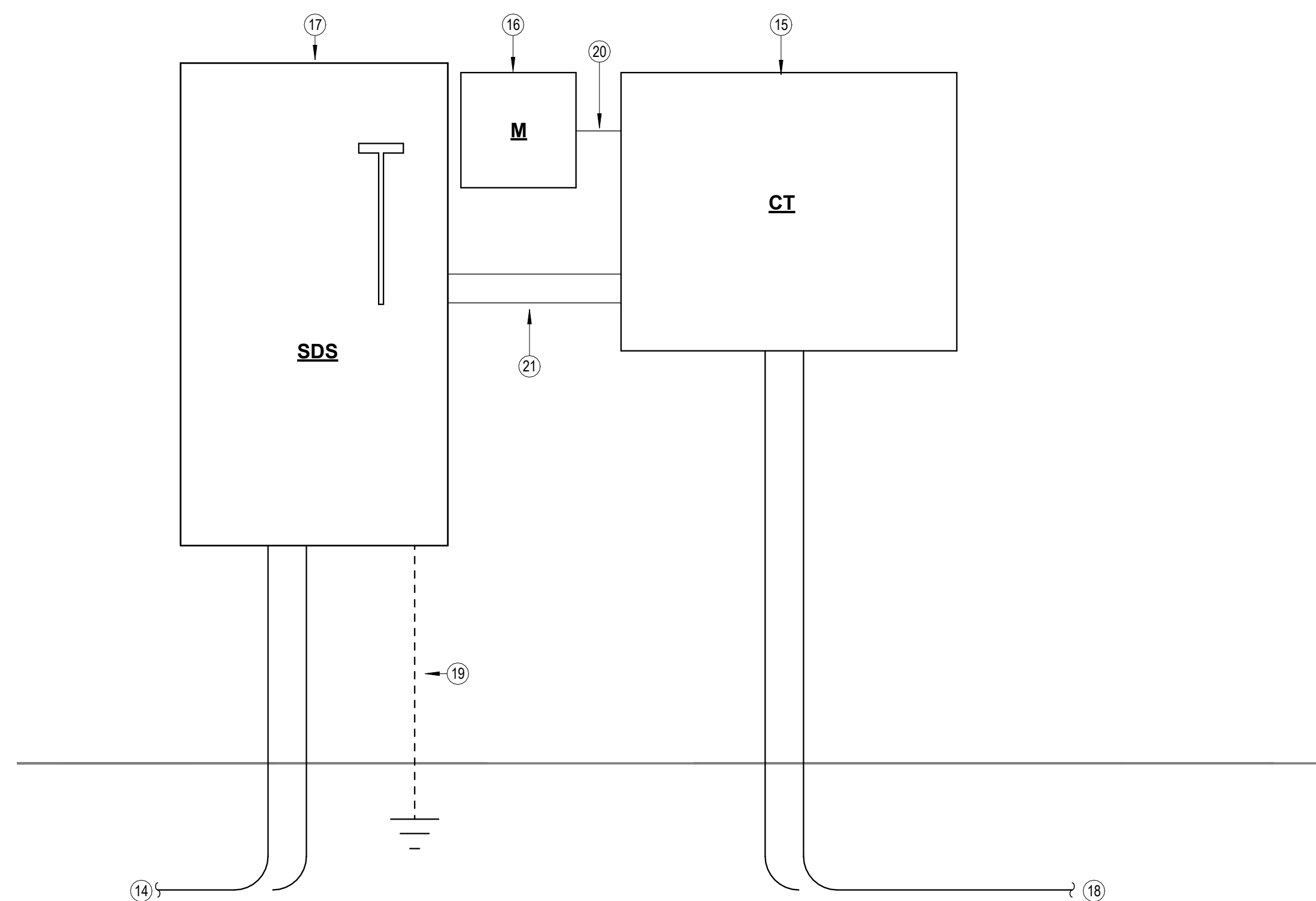


2 SECOND FLOOR-SPECIAL SYSTEMS PLAN
3/32" = 1'-0"

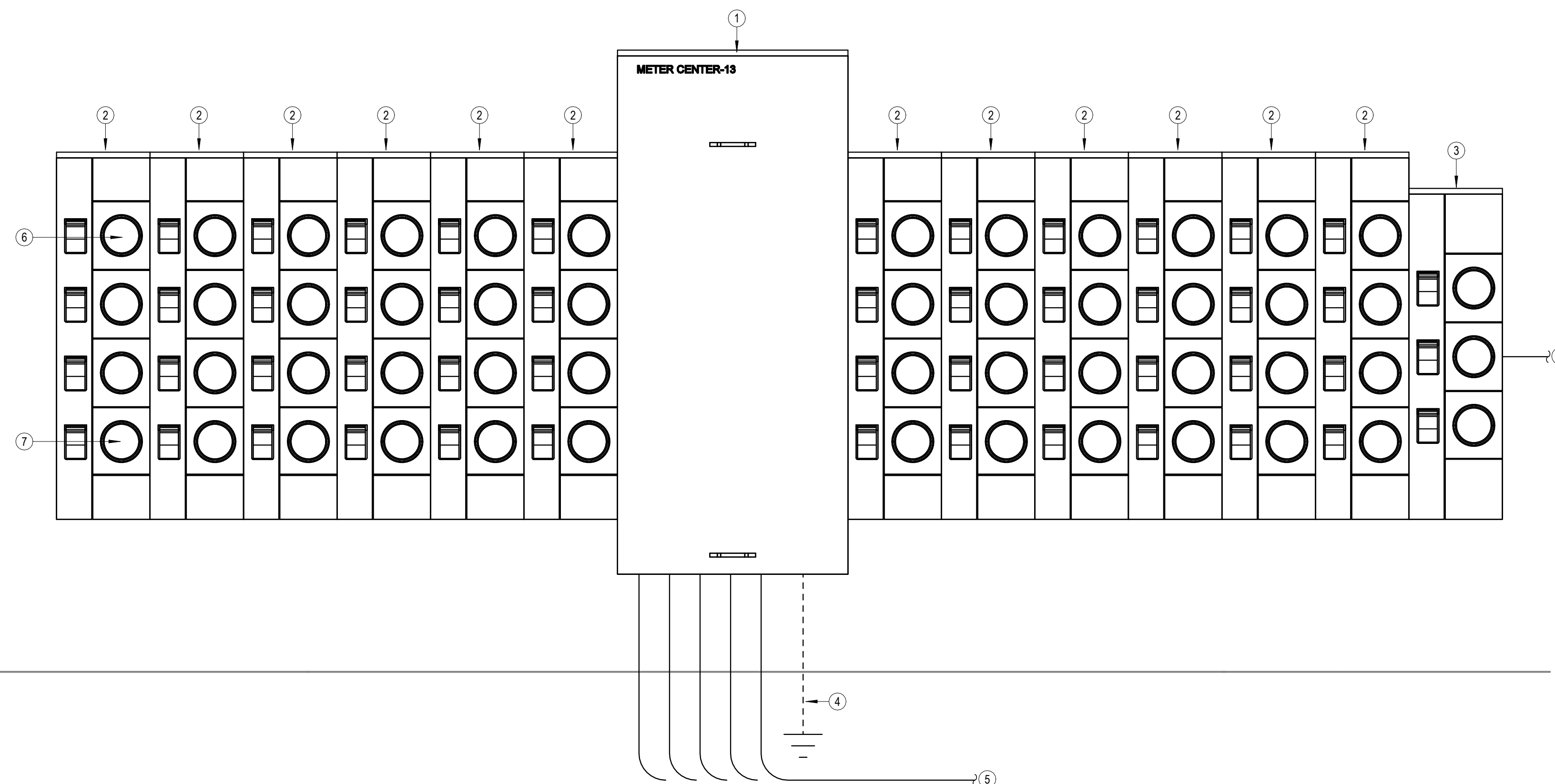




3 HOUSE ELECTRIC SERVICE ONE LINE DIAGRAM



2 HOUSE ELECTRIC SERVICE RISER DIAGRAM



1 APARTMENT ELECTRIC SERVICE RISER DIAGRAM

DWELLING UNIT FEEDER SCHEDULE (ALUMINUM)	
PANEL NAME	FEEDER SIZE
105, 107, 108, 109, 110, 111, 112, 113, 115, 205, 207, 208, 209, 210, 211, 213, 215, 305,...	2#2/0, 2#2/0N, #4G
103, 106, 114, 117, 206, 212, 308, 312, 315	2#3/0, 3#3/0N, #3G
101, 104, 116, 201, 203, 214, 217, 303, 306,...	2#4/0, 4#4/0N, #2G
102, 118, 202, 204, 216, 218, 301, 302, 304,...	2#250KCMIL, #250 KCMIL N, #1G

DWELLING UNIT FEEDER SCHEDULE (COPPER)	
PANEL NAME	FEEDER SIZE
103, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117, 205, 206, 207, 208, 209, 210, 211, 212, 213, 215, 305, 306, 307, 308,...	2#1/0, #1/0N, #4G
101, 104, 116, 201, 203, 214, 217, 303, 314,...	2#2/0, #2/0N, #4G
102, 118, 202, 204, 216, 218, 301, 302, 304,...	2#3/0, #3/0N, #3G

- ## NOTES BY SYMBOL
- | | |
|----|---|
| 1 | METER CENTER MAIN, 3-PH IN, 3-PH OUT, 208/210V-3PH, 4 WIRE WITH 2000A/3P MAIN BREAKER, 65 KVAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D E-Z METER-PACK #EZM3200CUBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 1 OF 2' |
| 2 | 4-SOCKET BRANCH UNITS, 3-PH IN, 1-PH OUT, WITH (4) 125A BRANCH BREAKERS AS INDICATED. METER SOCKETS SHALL BE RINGLESS TYPE, 5-AWJ WITHOUT SQUARE D E-Z METER-PACK #EZMR31412S. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED. |
| 3 | 3-SOCKET BRANCH UNITS, 3-PH IN, 1-PH OUT, WITH (4) 125A BRANCH BREAKERS AS INDICATED. METER SOCKETS SHALL BE RINGLESS TYPE, 5-AWJ WITHOUT SQUARE D E-Z METER-PACK #EZMR31312S. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED. |
| 4 | #30 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE, UNDERGROUND METAL WATER PIPE, AND DRIVEN GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250. |
| 5 | (5) PARALLEL 4" CONDUITS EACH WITH (4) #40 KCMIL COPPER FROM TRANSFORMER TO METER CENTER. |
| 6 | MAXIMUM HEIGHT TO CENTERLINE OF TOP METER SOCKET SHALL BE 6'-0" AFG. |
| 7 | MINIMUM HEIGHT TO BOTTOM OF METER SOCKET ASSEMBLY SHALL BE 2'-0" AFG. |
| 8 | SEE REFERRED SCHEDULE, THIS SHEET FOR SIZES TO APARTMENT UNIT LOAD CENTERS. |
| 9 | SEE 1:E6.2 FOR CONTINUATION. |
| 10 | (4)4#10, #4G, 2-1/2" C. |
| 11 | (4)4#1, #8G, 1-1/2" C. |
| 12 | (4)4#10, #6G, 2" C. |
| 13 | (3)#350 KCMIL, #350 KCMIL, G, 3" C. |
| 14 | (2) PARALLEL 3" CONDUITS, EACH WITH (4) #350 KCMIL, #1G COPPER FROM 'SDS' TO PANEL 'H1'. |
| 15 | CT ENCLOSURE (36"x29"x12") PER OPDP REQUIREMENTS. PROVIDE 3/4" EXTERIOR PLYWOOD BACKING. |
| 16 | CT RATED METER PROVIDED BY UTILITY. INSTALLED BY E. C. PROVIDE SUPPLY SIDE DISCONNECT SWITCH TO HOUSE METER PER OPDP REQUIREMENTS. |
| 17 | SDS - 600A/3P SERVICE ENTRANCE RATED DISCONNECT SWITCH WITH SOLID NEUTRAL AND (3) 600A UL ELEMENT, TIME-DELAY, CLASS 'RK1' FUSES IN NEMA 3R ENCLOSURE. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 2 OF 2' |
| 18 | (2) PARALLEL 4" CONDUITS EACH WITH (4) #350 KCMIL COPPER FROM TRANSFORMER TO CT ENCLOSURE. |
| 19 | #1 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE, UNDERGROUND METAL WATER PIPE, AND DRIVEN GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250. |
| 20 | 2" CONDUIT FOR POWER COMPANY PROVIDED METER WIRING. |
| 21 | (2) PARALLEL 4" CONDUITS EACH WITH (4) #350 KCMIL COPPER |



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IOWA

NEW SENIOR LIVING FACILITY

CARTER LAKE.



DATE: 8-1-2025
JOB: 25-3489
SHEET NO.:

E6.3

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Panelboard: H1						Voltage: 208 V, 3 Ø, 4 W	
Location: MECH 131						Bus Rating: 600 A	
Supply: Utility Transformer						Neutral: 100%	
Mounting: Surface						Mains Type: MCB	
Enclosure: NEMA 1						Mains Rating: 600 A	
Features & Modifications: PROVIDE INTEGRAL SURGE PROTECTION						Mains FN/Note: -	
						SCCR: 42 kA	

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
H1-1	P1	225	225	3		5361A
H1-2	P2	100	100	3		11863
H1-3	P3	150	150	3		51519
H1-4	Elevator	300	300	3		81000
H1-5	Space	--	--	3		--
H1-6	Space	--	--	3		--

Load Summary						
Load Classification	Connected	Factor	Demand	Panel Totals		
Motor	4654 VA	107.60%	5008 VA	Connected Load:	198 kVA	
Other	1440 VA	100.00%	1440 VA	Connected Current:	550 A	
Lighting - Interior	6522 VA	125.00%	8153 VA	Demand Load:	210 kVA	
Receptacle - General	19620 VA	75.48%	14810 VA	Demand Current:	582 A	
Electric Water Heating	4500 VA	125.00%	5625 VA	Non-Coincident...	75.1 A	
Electric Heat	53220 VA	125.00%	66525 VA	Total Est. Demand...	506.7 A	
Elevator	81000 VA	100.00%	81000 VA			
Cooling	27040 VA	100.00%	27040 VA			

Notes:

Breaker Function Schedule	
#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA) and Arc-Fault Interrupter (AFCI) Protection
L	Lockable open according to NEC 110.25

Designation: P1

Installed Location: MECH 131

Voltage: 208Y/120 3PH 4W-3P-4W

Mounting: Surface

Enclosure: NEMA 1

Bus Amps: 225

MCB Amps: MLO

Features & Modifications: PROVIDE INTEGRAL SURGE PROTECTION

SCCR/IC: 22.0 kA

Mains FNNote: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	C	FN	Trip (A)	Circuitry	Description	Ckt	
P1-1	LTS - 119, 120, 121	1/2",1F12,1N12G	20	28...	36...				20	1/2",1F12,1N12G	RCPT - 119, 120	P1-2	
P1-3	LTS - 124 Community	1/2",1F12,1N12G	20			59...	54...		20	1/2",1F12,1N12G	RCPT - 121	P1-4	
P1-5	LTS - 126-131, Stair S2	1/2",1F12,1N12G	20				79...	54...	20	1/2",1F12,1N12G	RCPT - 121, S2	P1-6	
P1-7	LTS - 132, Stair S3	1/2",1F12,1N12G	20	17...	72...				20	1/2",1F12,1N12G	RCPT - West 124	P1-8	
P1-9	LTS - Exterior Wall Packs	1/2",1F12,1N12G	20			11...	90...		20	1/2",1F12,1N12G	RCPT - East 124	P1-10	
P1-11	LTS - Exterior Wall Scones	1/2",1F12,1N12G	20					68...	18...	20	1/2",1F12,1N12G	RCPT - Refrigerator	P1-12
P1-13	LTS - South/East Parking Lot	1/2",2#12,12G	20	51...	36...				20	1/2",1F12,1N12G	RCPT - Countertop	P1-14	
P1-15						51...	36...		20	1/2",1F12,1N12G	RCPT - Countertop	P1-16	
P1-17	LTS - North Parking Lot	1/2",2#12,12G	20	37...	72...			37...	18...	20	1/2",1F12,1N12G	RCPT - Dishwasher	P1-18
P1-19	LTS - Monument Sign	1/2",1F12,1N12G	20			22...	54...			20	1/2",1F12,1N12G	RCPT - 125	P1-20
P1-23	Exterior Lighting Controls	1/2",1F12,1N12G	20					0 VA 54...		20	1/2",1F12,1N12G	RCPT - 132	P1-22
P1-25	LTS - Elevator Pit	1/2",1F12,1N12G	20	24...	18...				20	1/2",1F12,1N12G	Drinking Fountain	P1-26	
P1-27	RCPT - Elevator Pit	1/2",1F12,1N12G	20			18...	36...		L 20	1/2",1F12,1N12G	Fire Alarm Flow Switches	P1-28	
P1-29	Elevator Pit Sump	1/2",1F12,1N12G	20					18...	36...	L 20	1/2",1F12,1N12G	Fire Alarm Control Panel	P1-30
P1-31	RCPT - Exterior	1/2",1F12,1N12G	20	90...	22...				30	1/2",2#10,10G	Water Heater 'HWH-B'	P1-32	
P1-33	Blower Coil 'BC-1C'					38...	22...						P1-34
P1-35	1st Floor Halls/Mezzanine	3/4",2#6,10G	50					38...	11...	20	1/2",1F12,1N12G	Hot Water Recirculation Pump 'HWP'	P1-36
P1-37	Blower Coil 'BC-2'			43...	15...					20	1/2",2#10,10G	Electric Heater 'EWH' - Stair S1	P1-40
P1-39	Community Room	3/4",2#4,10G	60			43...	15...	31...	15...				P1-42
P1-41	Blower Coil 'BC-1B'												P1-43
P1-43	Stair S2	1/2",2#8,10G	40	31...	15...					20	1/2",2#12,12G	Electric Heater 'EWH-B' - Stair S2	P1-44
P1-45	Spare	--	20			0 VA 15...				20	1/2",2#10,10G	Electric Heater 'EWH-B' - Stair S3	P1-46
P1-47	Spare	--	20					0 VA 15...		20	1/2",2#10,10G	Electric Heater 'EWH-B' - Stair S3	P1-48
P1-49	Spare	--	20	0 VA 15...						20	1/2",2#8,8G	Electric Heater 'EWH-B' - 119	P1-50
P1-51	Space	--	--			15...	15...			20	1/2",1#8,8N,8G	Electric Heater 'HWH-A' - 120	P1-52
P1-53	Space	--	--					15...		20			P1-54
P1-55	Space	--	--	--	--				--	--	Space	Space	P1-56
P1-57	Space	--	--	--	--	--	--		--	--	Space	Space	P1-58
P1-59	Space	--	--	--	--	--	--	--	--	--	Space	Space	P1-60
Connected Load:					18835 VA		19267 VA		15512 VA				
Connected Amps:					161.2 A		164.8 A		129.3 A				

Designation: P2

Installed Location: MECH 108

Voltage: 208Y/120 3PH 4W-3PH-4W

Mounting: Surface

Enclosure: NEMA 1

Bus Amps: 100

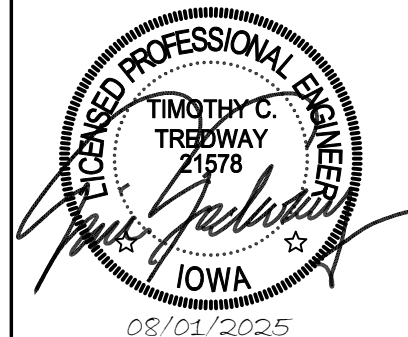
MCB Amps: MLO

Features & Modifications: PROVIDE INTEGRAL SURGE PROTECTION

SCCR/AIC: 22.0 kA

Mains F/N/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	C	FN	Trip (A)	Circuitry	Description	Ckt	
P2-1	LTS - 219, 220, Stair S1	1/2"C,1#12,#12N,#12G	20	29...	72...				20	1/2"C,1#12,#12N,#12G	RCPT - 219, 220	P2-2	
P2-3	LTS - 224, 226, Stair S2	1/2"C,1#12,#12N,#12G	20		45...	54...	21...	54...	20	1/2"C,1#12,#12N,#12G	RCPT - 224, 226, Stair S2	P2-4	
P2-5	LTS - 225, Stair S3	1/2"C,1#12,#12N,#12G	20						20	1/2"C,1#12,#12N,#12G	RCPT - 225	P2-6	
P2-7	RCPT - 223 NW	1/2"C,1#12,#12N,#12G	20	72...	54...				20	1/2"C,1#12,#12N,#12G	RCPT - 223 S/E	P2-8	
P2-9	Elevator Cab Lights	1/2"C,1#12,#12N,#12G	20		36...	72...			20	1/2"C,1#12,#12N,#12G	RCPT - IT 222	P2-10	
P2-11	Elevator Shunt Trip	1/2"C,1#12,#12N,#12G	20				36...	20...	30	1/2"C,2#10,#10G	Blower Cool 'BC-1A'	P2-12	
P2-13	RCPT - Telecom Backboard	1/2"C,1#12,#12N,#12G	20	72...	20...						2nd Floor Halls	P2-14	
P2-15	Electric Heater 'HWH-A' - 219	1/2"C,1#8,#8N,#8G	20		15...	--	--	--	--	--	Space	P2-16	
P2-17	Space	--	--	--	--	--	--	--	--	--	Space	P2-18	
P2-19	Space	--	--	--	--	--	--	--	--	--	Space	P2-20	
P2-21	Space	--	--	--	--	--	--	--	--	--	Space	P2-22	
P2-23	Space	--	--	--	--	--	--	--	--	--	Space	P2-24	
Connected Load:					5081 VA	3578 VA	3204 VA						
Connected Amps:					42.8 A	30.3 A	26.7 A						



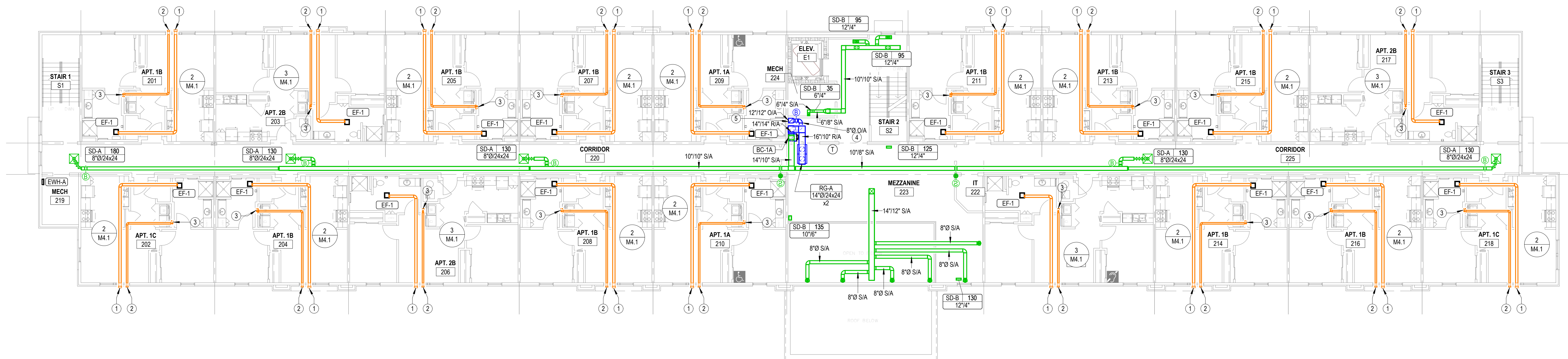
REVISIONS:

DATE: 8-1-2025
JOB: 25-3489
SHEET NO.:

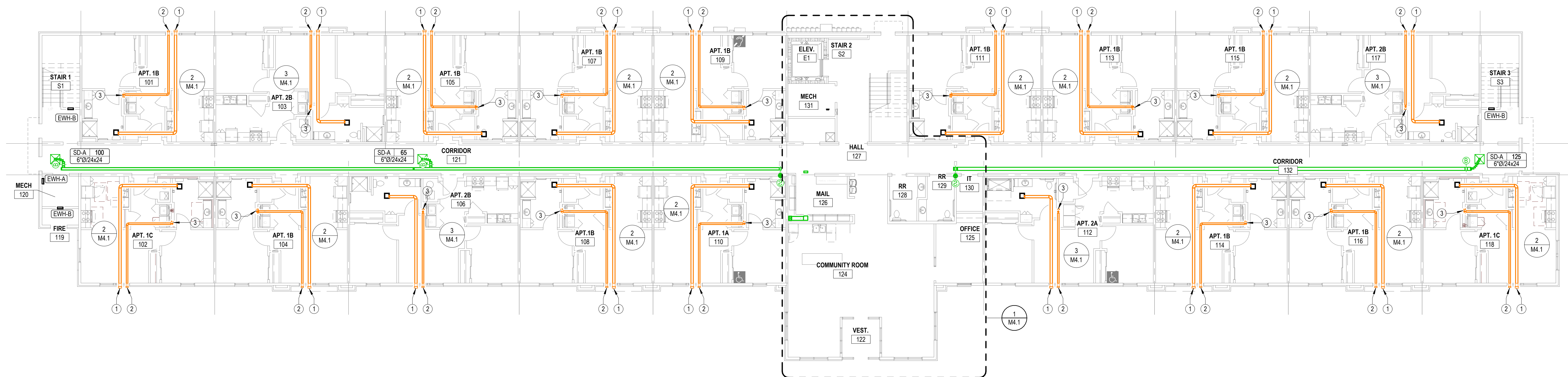
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- NOTES BY SYMBOL**
- ROUTE 6" Ø EXHAUST DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER AND BIRD SCREEN. COORDINATE FINAL LOCATION WITH ARCHITECT.
 - 4" DRYER DUCT. SEE ENLARGED PLANS FOR MORE INFORMATION. COORDINATE FINAL LOCATION OF WALL CAP WITH ARCHITECT.
 - PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4" Ø DRYER EXHAUST DUCT TO WALL CAP WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 35'. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED. MAXIMUM EQUIVALENT DUCT LENGTH MAY BE INCREASED WHERE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS ALLOW, AND DOCUMENTATION IS PROVIDED TO CODE OFFICIAL PRIOR TO CONCEALMENT INSPECTION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
 - NOTE: ANNULAR SPACE AROUND DUCT IS TO BE SEALED AT ALL PENETRATIONS OF FLOORS AND CEILINGS WITH U.L. LISTED FIRE STOPPING SYSTEM.
 - CONNECT O.A. DUCT TO RISER AS HIGH AS POSSIBLE AND ROUTE TO RETURN AIR DUCT WORK AND BALANCE AS FOLLOWS:
1ST FLOOR BC-1C: 200 CFM
1ST FLOOR BC-1B: 105 CFM
2ND FLOOR BC-1A: 110 CFM
3RD FLOOR BC-1B: 125 CFM
 - ROUTE OA DUCT DOWN THROUGH MECHANICAL ROOMS. PROVIDE FIRE DAMPER AT EACH LEVEL WHERE DUCT PENETRATES FIRE RATED FLOOR/CEILING ASSEMBLY.



SECOND FLOOR-HVAC PLAN
3/32" = 1'-0"



FIRST FLOOR HVAC PLAN
3/32" = 1'-0"

- NOTES BY SYMBOL
- 1

ROUTE 6"Ø EXHAUST DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER AND BIRD SCREEN. COORDINATE FINAL LOCATION WITH ARCHITECT.
- 2

4" DRYER DUCT. SEE ENLARGED PLANS FOR MORE INFORMATION. COORDINATE FINAL LOCATION OF WALL CAP WITH ARCHITECT.
- 3

PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL. INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO WALL CAP WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 35'. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED. MAXIMUM EQUIVALENT DUCT LENGTH MAY BE INCREASED WHERE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS ALLOW, AND DOCUMENTATION IS PROVIDED TO CODE OFFICIAL PRIOR TO CONCEALMENT INSPECTION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
- NOTE: ANNULAR SPACE AROUND DUCT IS TO BE SEALED AT ALL PENETRATIONS OF FLOORS AND CEILINGS WITH U.L. LISTED FIRE STOPPING SYSTEM.
- 4

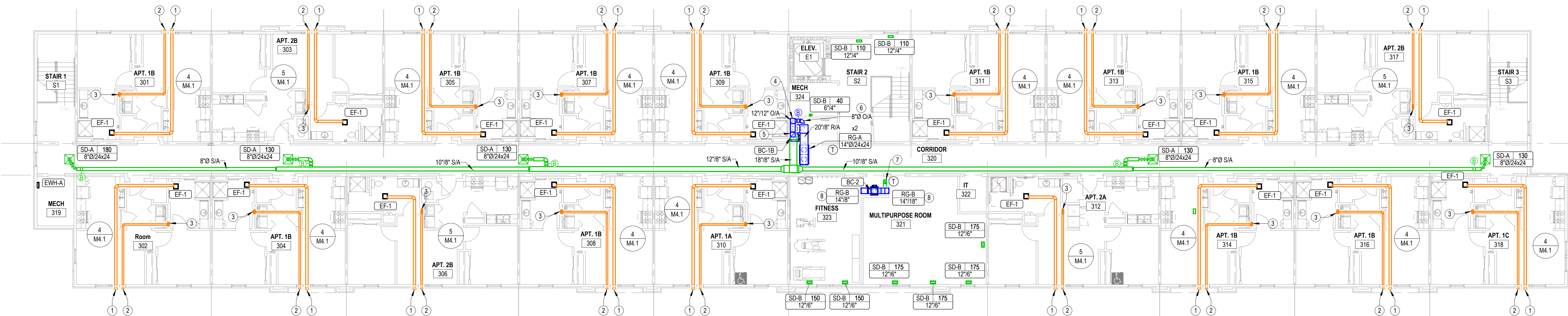
ROUTE OA DUCT DOWN THROUGH MECHANICAL ROOMS. PROVIDE FIRE DAMPER AT EACH LEVEL WHERE DUCT PENETRATES FIRE RATED FLOOR/CEILING ASSEMBLY.
- 5

ROUTE 12x12 DUCT THROUGH ATTIC FROM GRAVITY VENTILATOR.
- 6

CONNECT O.A. DUCT TO RISER AS HIGH AS POSSIBLE AND ROUTE TO RETURN AIR DUCT WORK AND BALANCE AS FOLLOWS:
1ST FLOOR BC-1C: 200 CFM
1ST FLOOR BC-1B: 105 CFM
2ND FLOOR BC-1A: 110 CFM
3RD FLOOR BC-1B: 125 CFM
- 7

ROUTE 8" DIA. O.A. DUCT UP THROUGH ROOF AND TERMINATE WITH ELBOW DOWN COVERED WITH WELDED WIRE FABRIC. BALANCE O.A. TO 190 CFM.
- 8

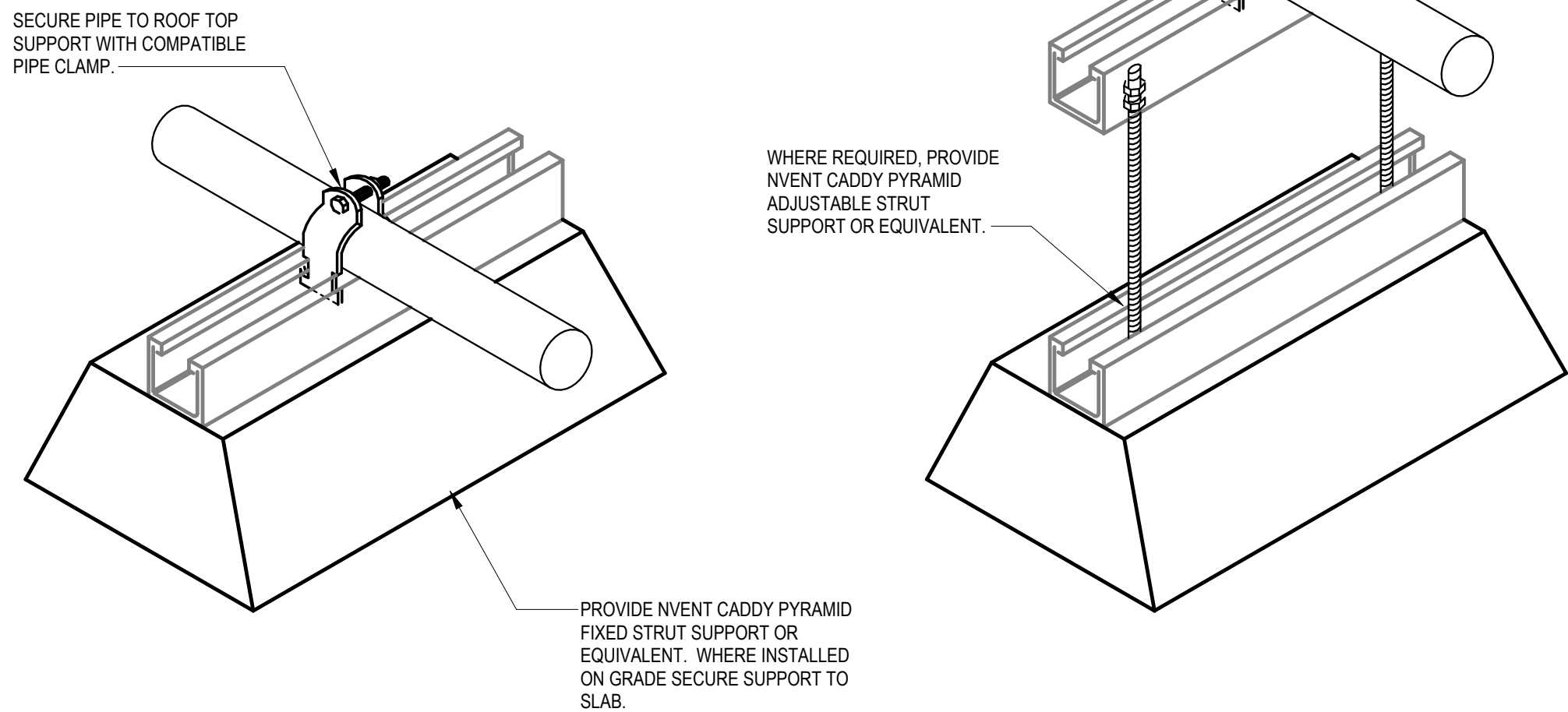
INSTALL RETURN GRILLE AS HIGH AS POSSIBLE.



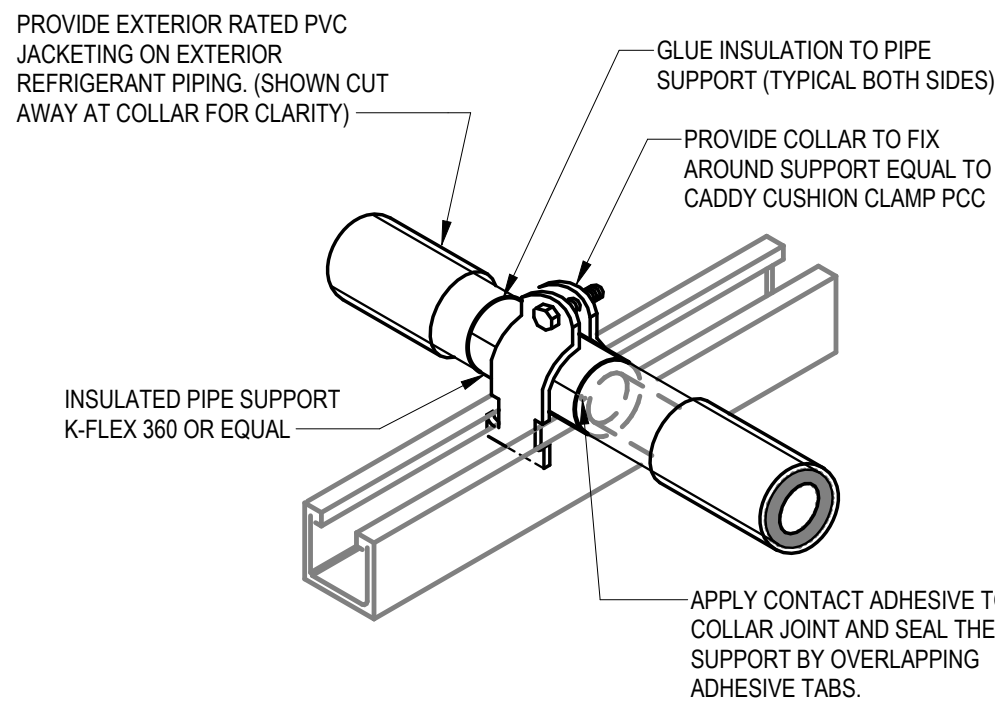
1

THIRD FLOOR-HVAC PLAN

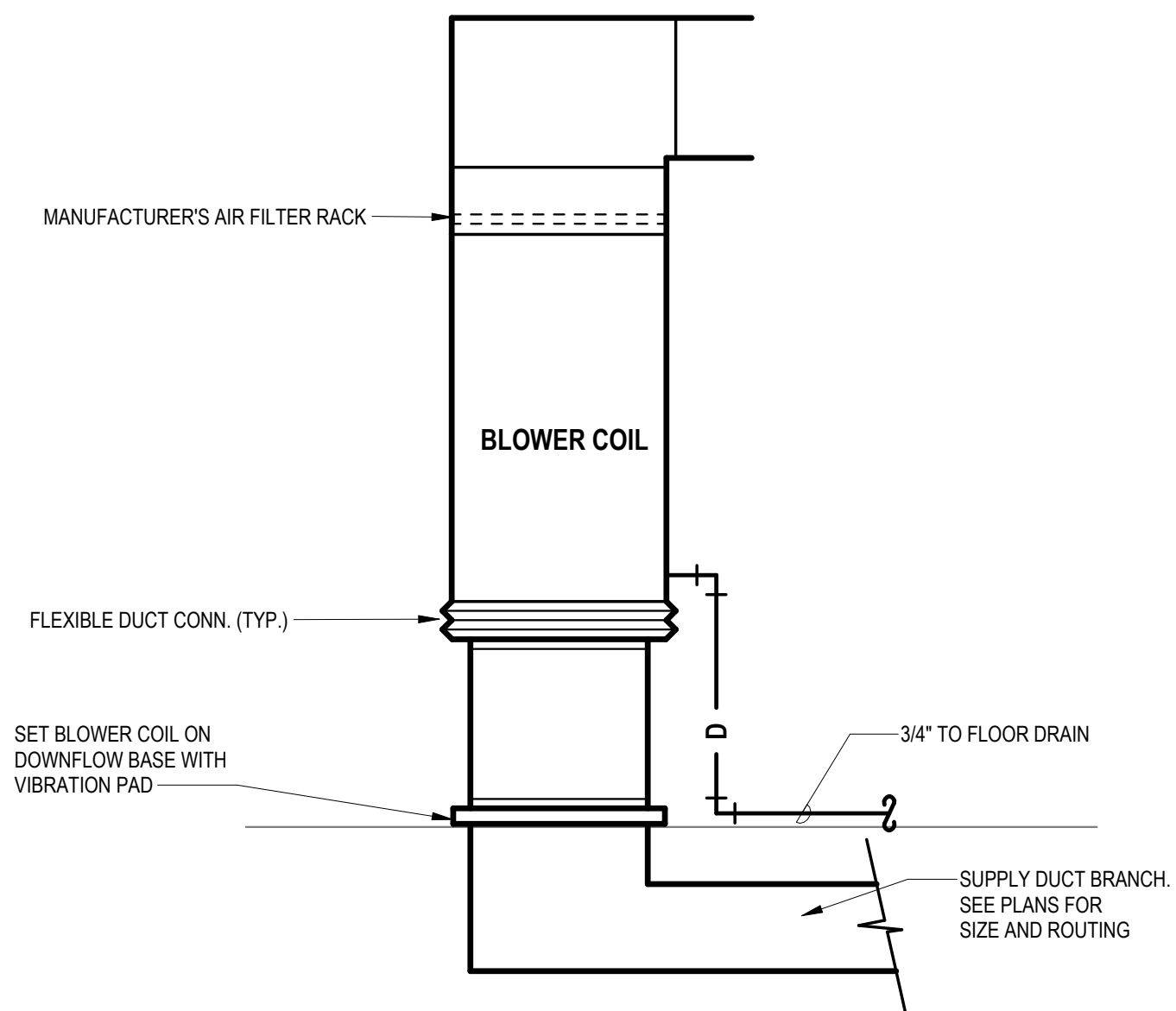
3/32" = 1'-0"



7 EXTERIOR PIPING SUPPORT DETAIL
NO SCALE



6 EXTERIOR REFRIGRANT PIPING INSULATION DETAIL
NO SCALE

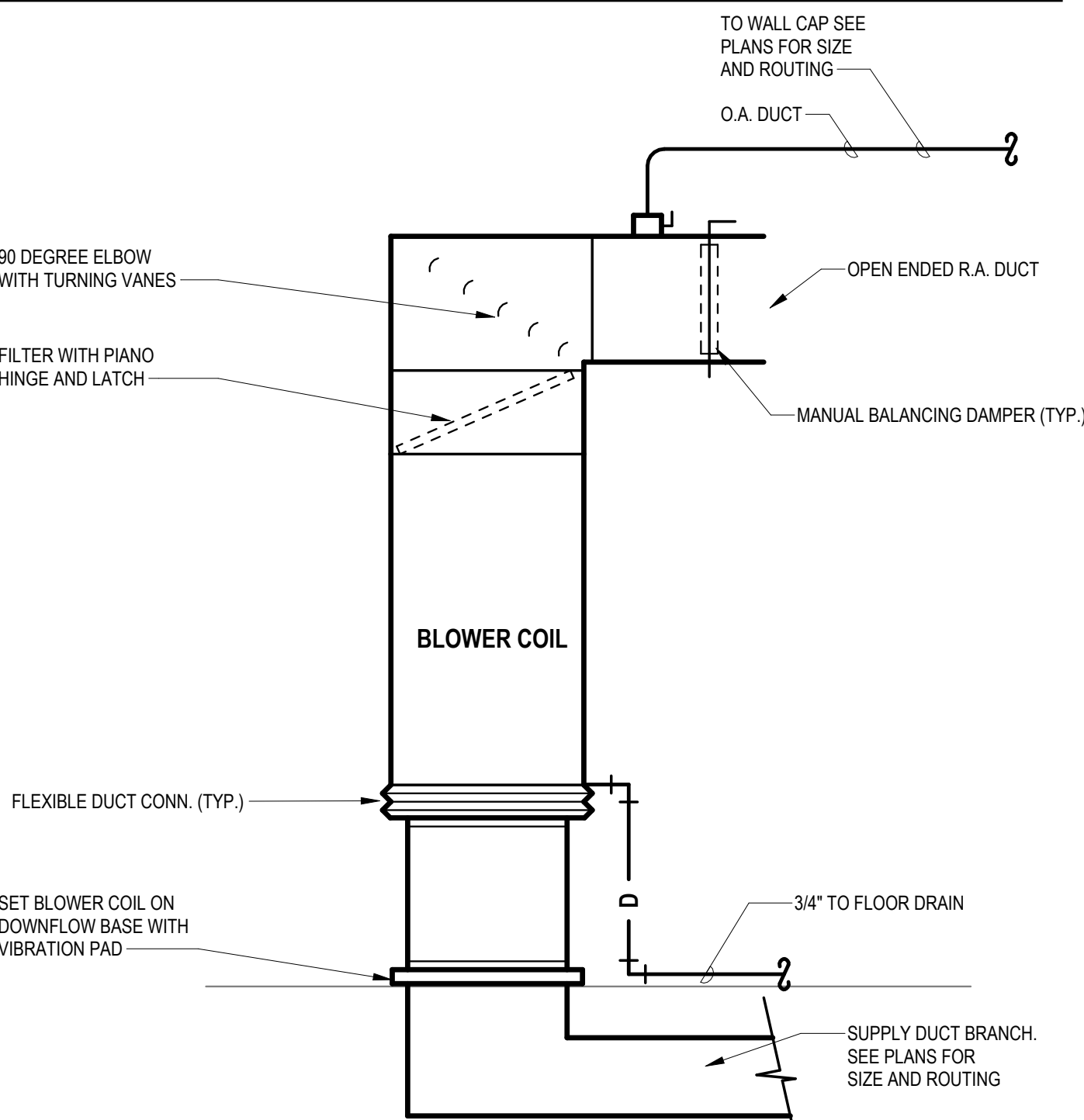


3 APARTMENT DOWNFLOW BLOWER COIL DETAIL
NO SCALE

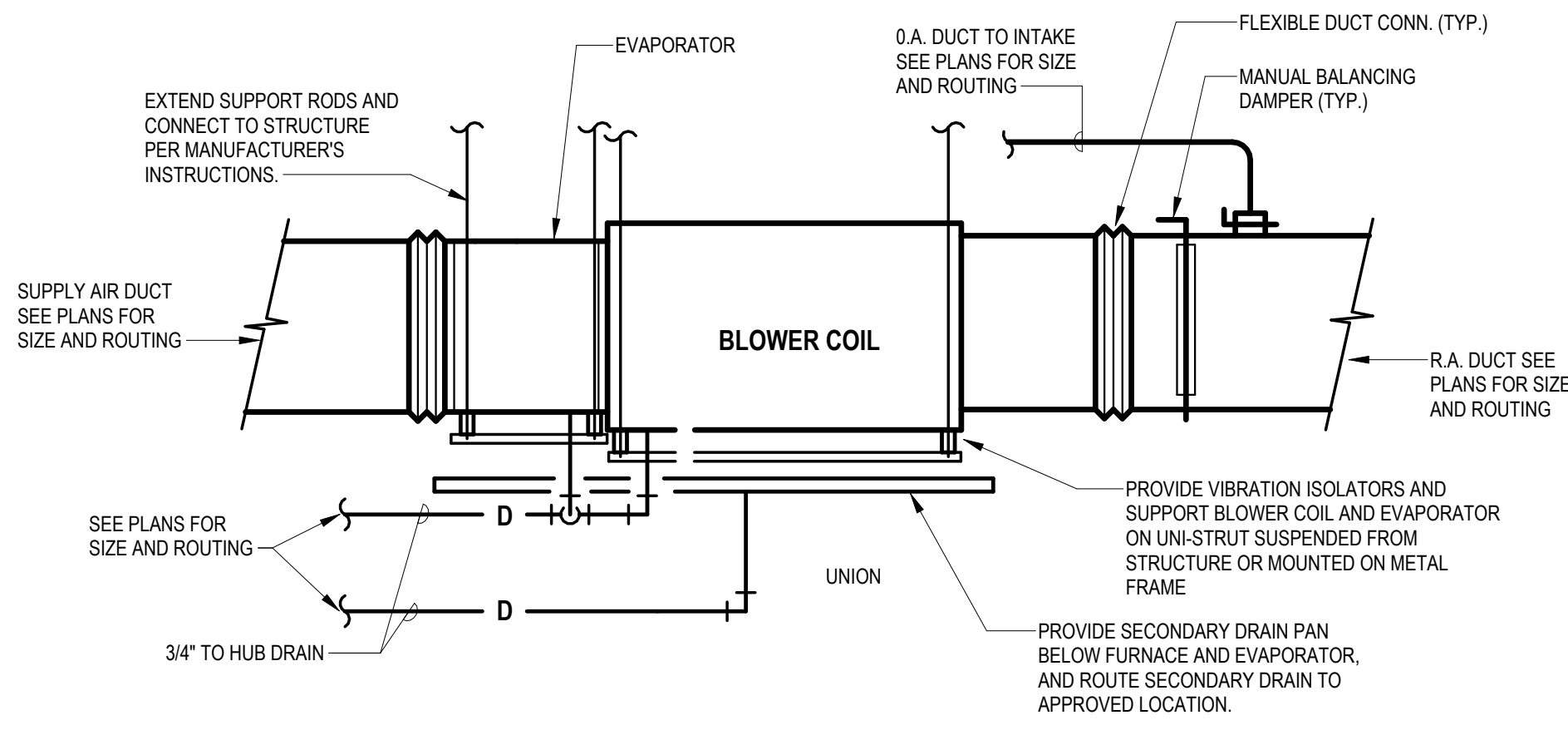
HEAT PUMP SCHEDULE														
NOTES:														
1. Refrigerant lines shall be field fabricated. Coordinate line sizing requirements with equipment manufacturer for length.														
MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY	EDB	EDB	EWB	NET SENSIBLE	NET TOTAL	SEER2	OA EDB	EDB	NET TOTAL	HSPF2	PHASE
HP-1	TRANE	5TWR7024	2.0 ton	95 °F	78 °F	63 °F	18,900 Btu/h	21,500 Btu/h	17.1	47 °F	70 °F	22,300 Btu/h	9	1
HP-2	TRANE	5TWR7036	3.0 ton	95 °F	78 °F	63 °F	24,400 Btu/h	29,700 Btu/h	17.1	47 °F	70 °F	33,400 Btu/h	9	1

BLOWER COIL SCHEDULE									
NOTES:									
1. Single point connection required, coordinate the exact electrical requirements of equipment provided with E.C.									
2. Electric heater shall not operate simultaneously with heat pump. Electric heater shall be used as back-up heat only.									
3. Provide 7-day programmable thermostat compatible with requirements of 2015 IECC.									
4. Provide 2 sets of MERV-8 filters.									
MARK	MANUFACTURER	MODEL	FAN	ELECTRIC HEAT	ELECTRICAL				
			AIRFLOW	ESP	CIRCUIT	VOLTAGE	PHASE	MCA	MOCP
BC-1A	TRANE	5TEM6B02	700 CFM	0.70 in-wg	3.6 kW	208 V	1	25.0 A	25.0 A
BC-1B	TRANE	5TEM6B02	700 CFM	0.70 in-wg	5.8 kW	208 V	1	38.0 A	40.0 A
BC-1C	TRANE	5TEM6B02	800 CFM	0.70 in-wg	7.2 kW	208 V	1	47.0 A	50.0 A
BC-2	TRANE	5TEM6D03	1,000 CFM	0.70 in-wg	7.2 kW	208 V	1	52.0 A	60.0 A

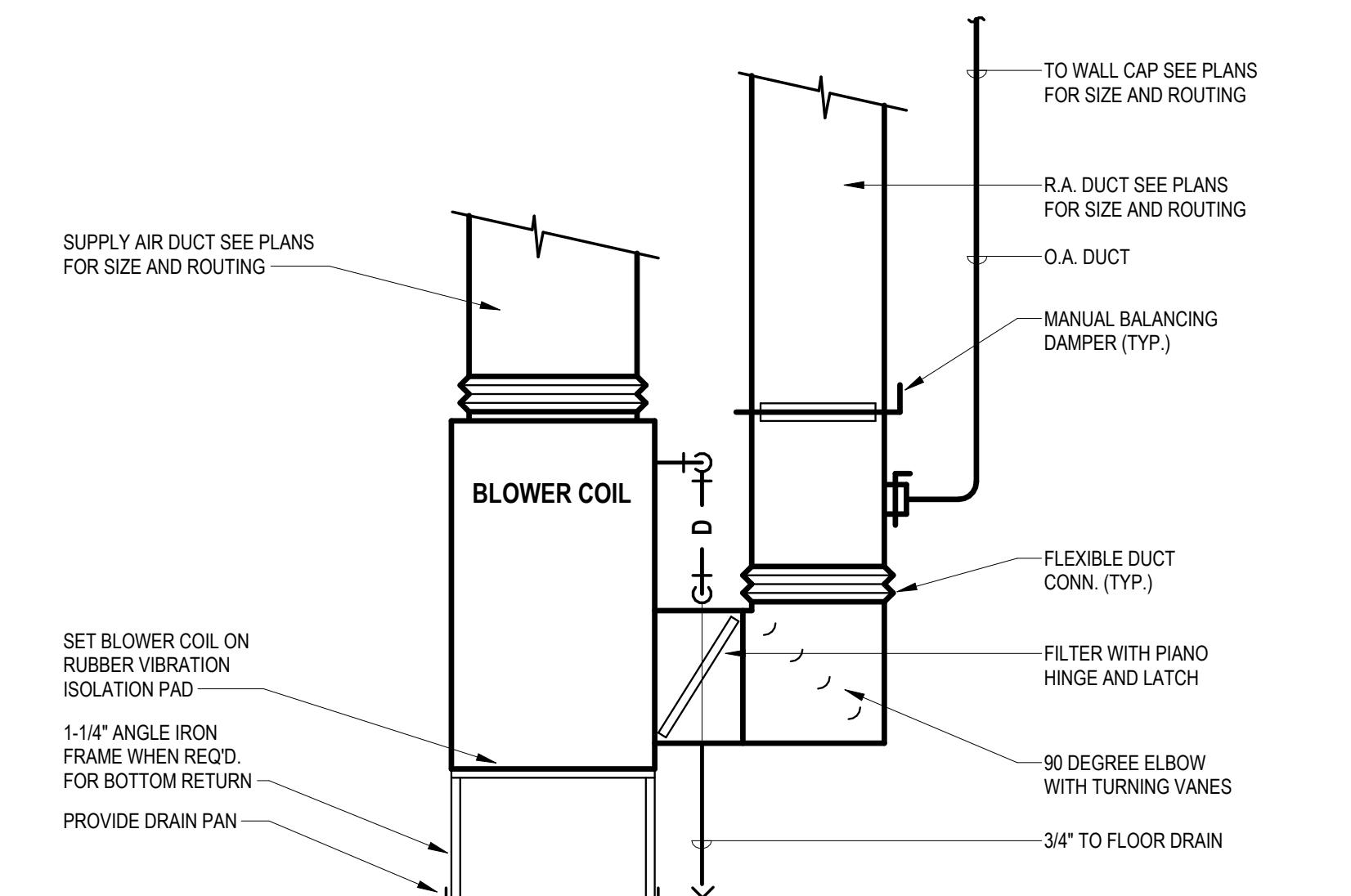
Electric Cabinet Heater Schedule								
Mark	Manufacturer	Model	Mounting	Watts	Voltage	Phase	Description	Notes
EWH-A	Trane	UHWA	Wall	1.5 kW	120 V	1	Architectural fan forced wall heater	1,2,4
EWH-B	Trane	UHWA	Wall	3.0 kW	208 V	1	Architectural fan forced wall heater	1,2,3
NOTES:								
1. Provide with high temperature thermal cutout and fan delay.								
2. Provide with integral thermostat and unit mounted disconnect switch.								
3. Provide with manufacturer's recessed mounting adapter sleeve. Coordinate exact mounting requirement and locations with Architect and rated construction.								
4. Provide with manufacturer's surface mounting adapter sleeve. Coordinate exact mounting requirements and locations with Architect and rated construction.								



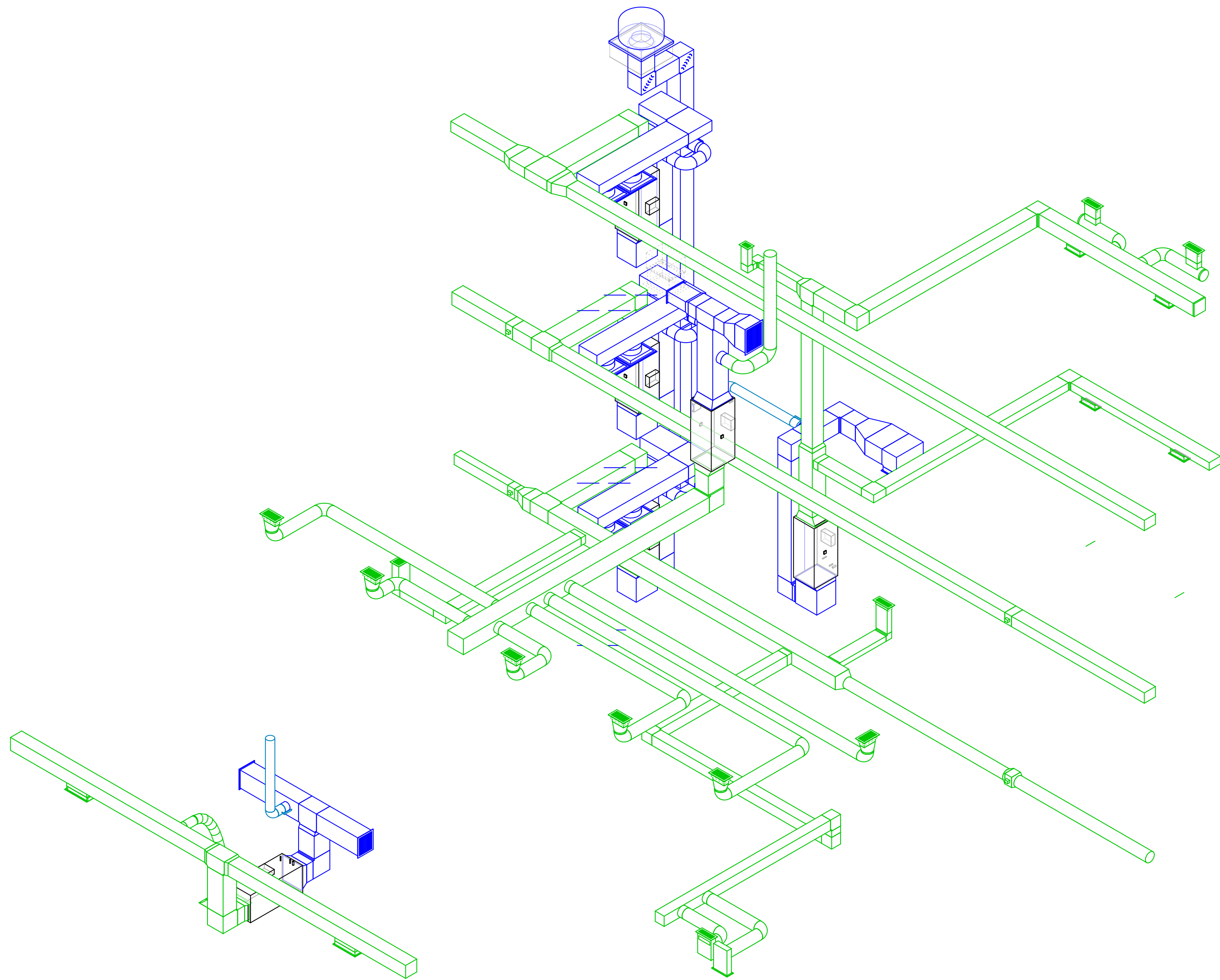
5 DOWNFLOW BLOWER COIL DETAIL - MULTIPURPOSE ROOM
NO SCALE



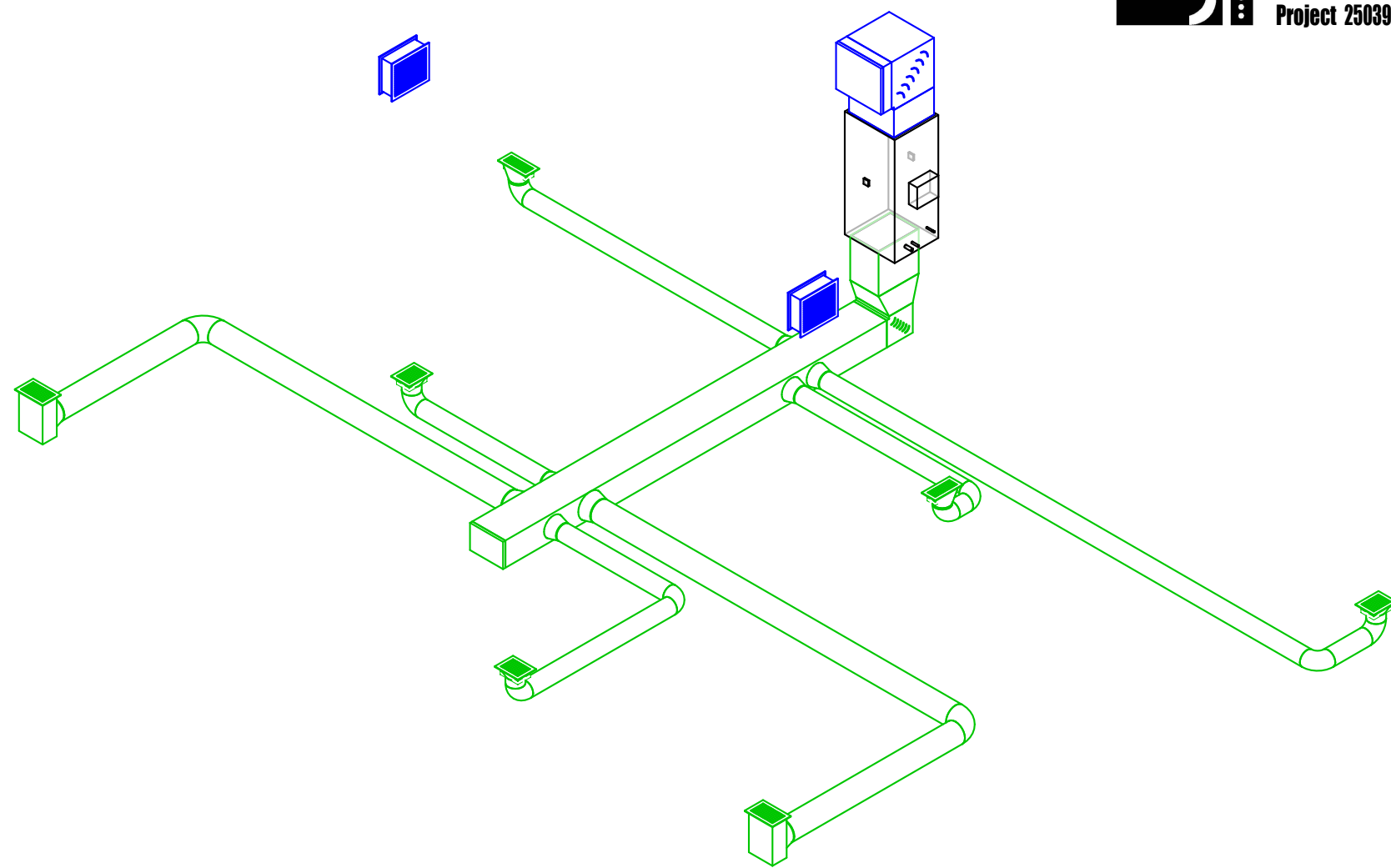
4 HORIZONTAL BLOWER COIL DETAIL
12" = 1'-0"



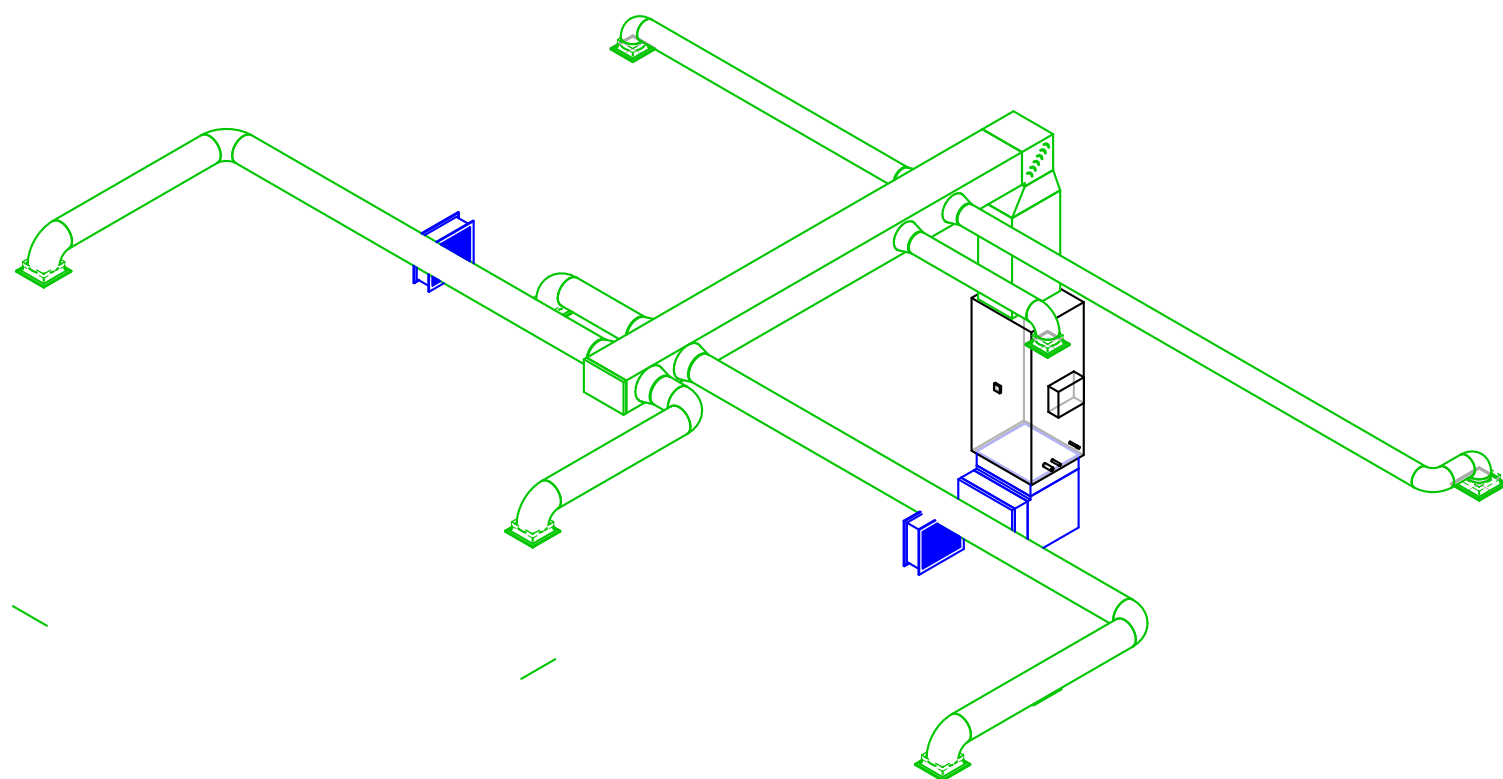
1 BLOWER COIL DETAIL
NO SCALE



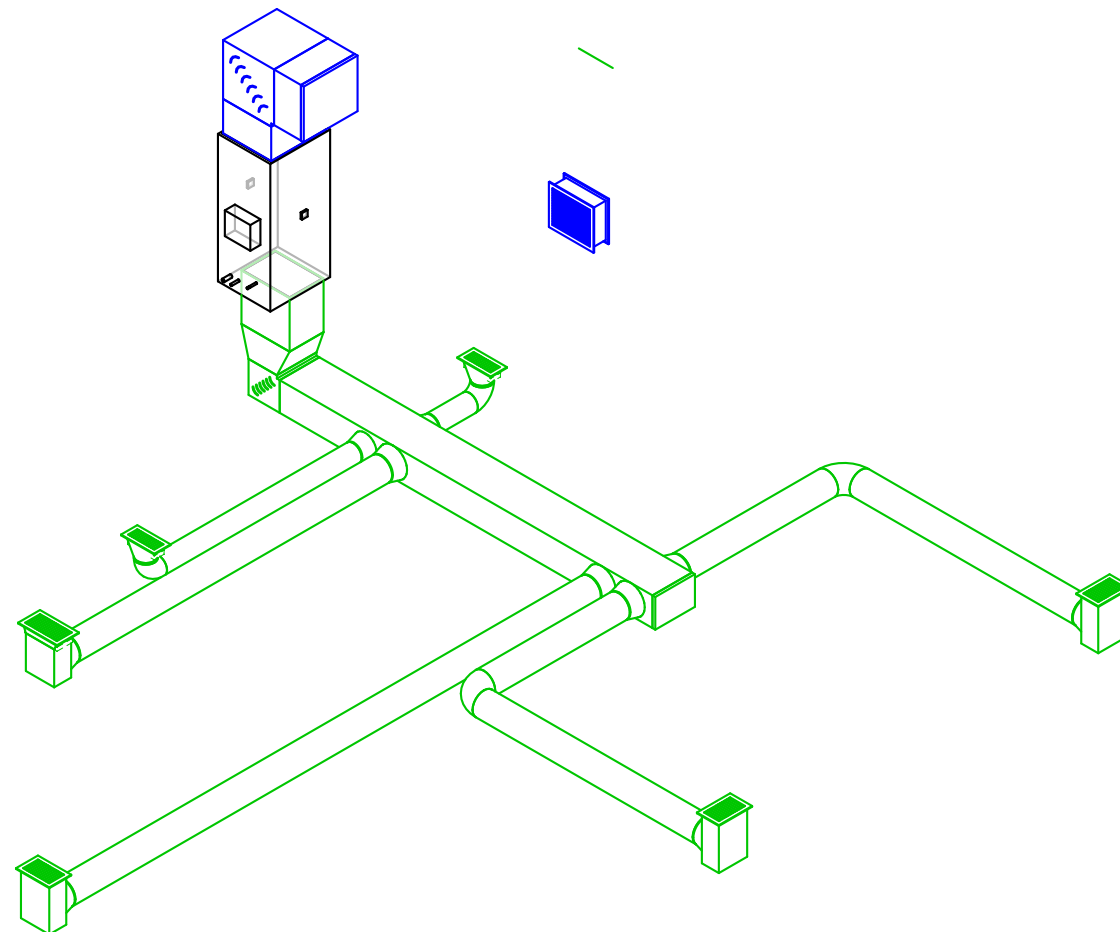
5 COMMON AREA - DUCT RISER



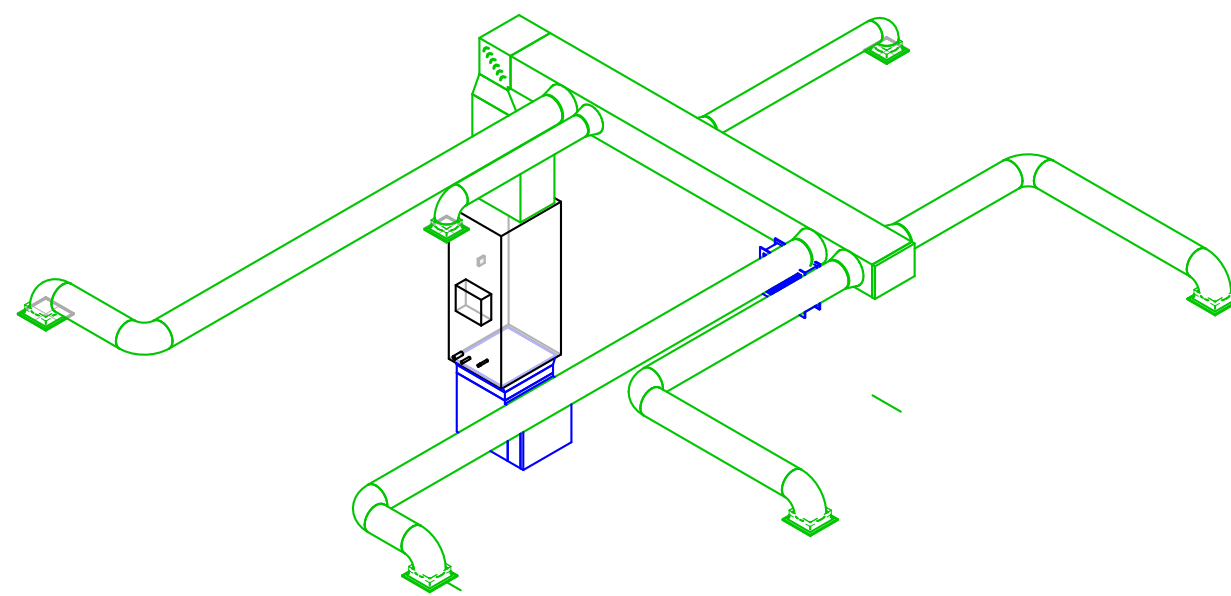
4 UNIT TYPE 2 - 3RD FLOOR - DUCT RISER



3 UNIT TYPE 2 - 1ST/2ND FLOOR - DUCT RISER



2 UNIT TYPE 1 - 3RD FLOOR - DUCT RISER

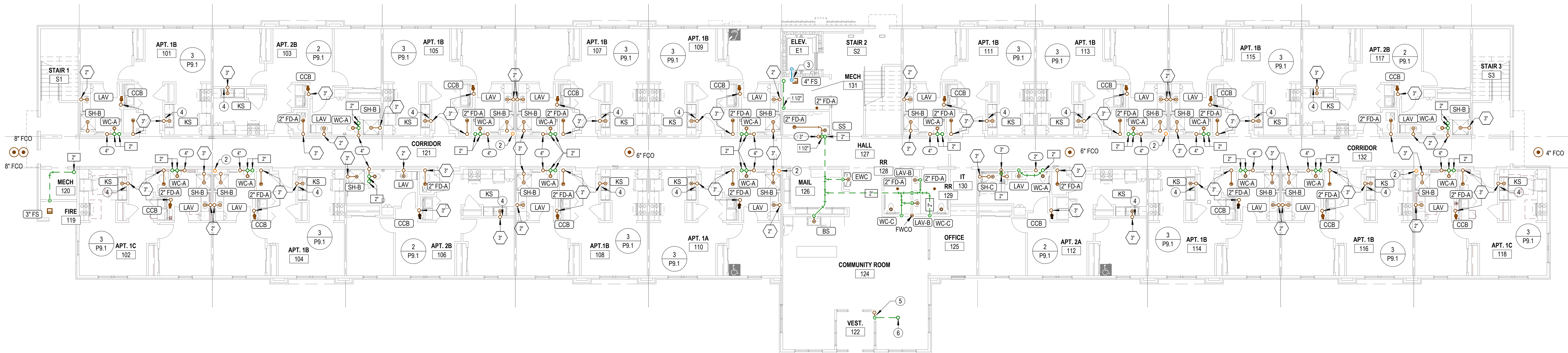


1 UNIT TYPE 1 - 1ST/2ND FLOOR - DUCT RISER

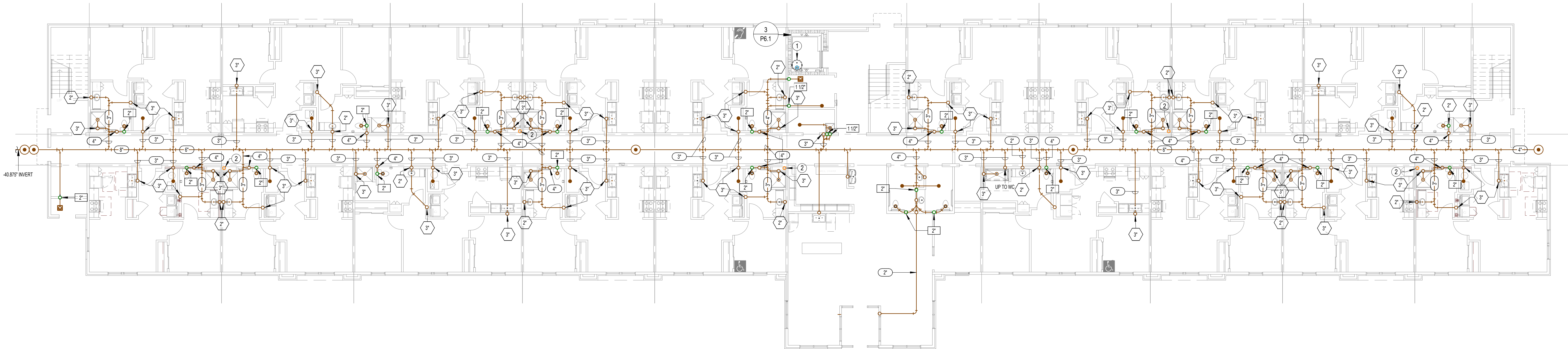
PLUMBING SIZING SYMBOLS	
3"	DRAIN (X = SIZE)
4"	VENT (X = SIZE)
6"	WASTE STACK VENT (X = SIZE)

NOTES BY SYMBOL

- ELEVATOR PIT SUMP PUMP, SEE DETAIL FOR MORE 3.P6.1 FOR MORE INFORMATION.
- 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- ROUTE 2" DISCHARGE FROM SUMP PUMP TO FLOOR SINK AS SHOWN ON PLANS. TERMINATE WITH CODE REQUIRED AIR GAP DIRECTLY ABOVE FLOOR SINK.
- PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.
- PROVIDE DRAIN BOX ABOVE CEILING EQUAL TO SIOUX CHIEF 696 FOR BLOWER COIL CONDENSATE DRAIN. PROVIDE TRAP SEAL DEVICE EQUAL TO PROSET TRAP GUARD.
- 2" VTR, MAINTAIN MINIMUM 10'-0" CLEARANCE FROM OUTDOOR AIR INTAKE.



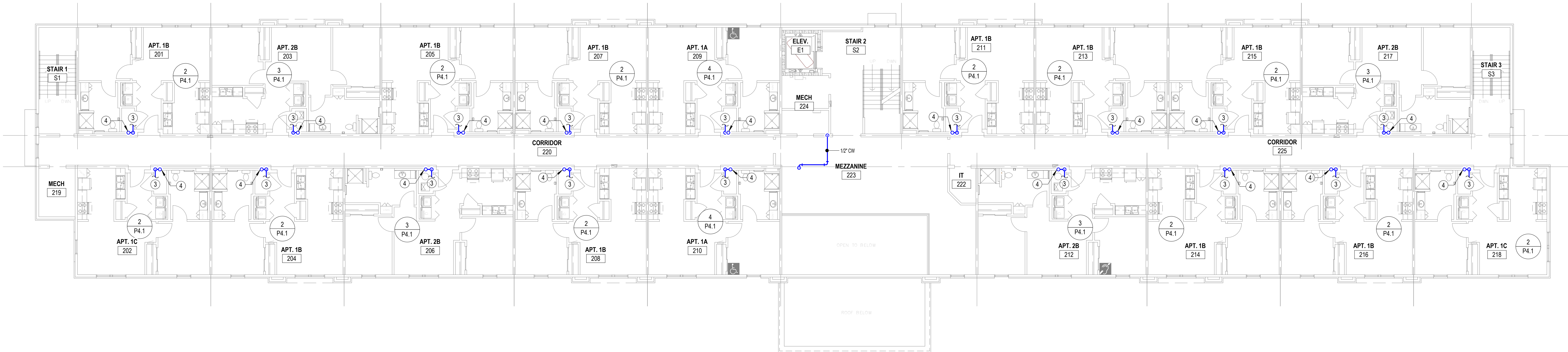
FIRST FLOOR-WASTE AND VENT PLAN
3/32" = 1'-0"



UNDERFLOOR-WASTE AND VENT PLAN
3/32" = 1'-0"

COPPER PIPE SIZE INDICATED	ALTERNATE MATERIAL SIZE		
	Cross-linked polyethylene (PEX)	Polypropylene	
	1/2"	1/2"	1/2"
	3/4"	3/4"	3/4"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

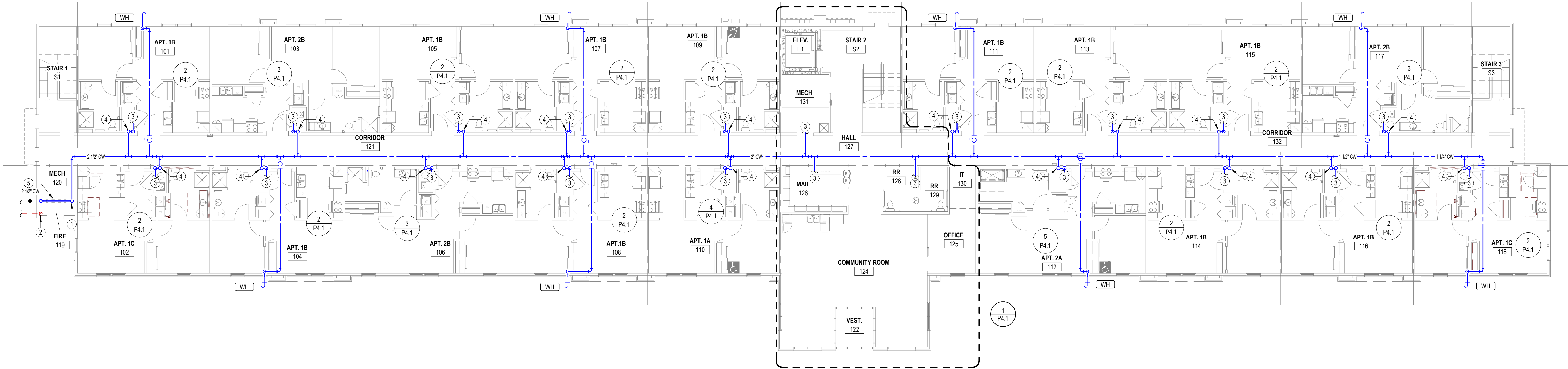
Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.



2

SECOND FLOOR-DOMESTIC WATER PLAN

3/32" = 1'-0"



1

FIRST FLOOR-DOMESTIC WATER PLAN

3/32" = 1'-0"



GENERAL NOTES:

1. PIPING FOR DWELLING UNITS ON 3RD FLOOR SHALL BE ROUTED BELOW THE FLOOR. DO NOT ROUTE DOMESTIC WATER PIPING IN THE ATTIC.

NOTES BY SYMBOL

1 SEE ENLARGED DOMESTIC WATER PLANS FOR CONTINUATION.

2 PROVIDE 1" WATER SERVICE TO APARTMENT WITH SHUT-OFF VALVE, SEE DOMESTIC RISER DIAGRAMS FOR ADDITIONAL INFORMATION.

THE RESIDENCE AT CARTER LAKE

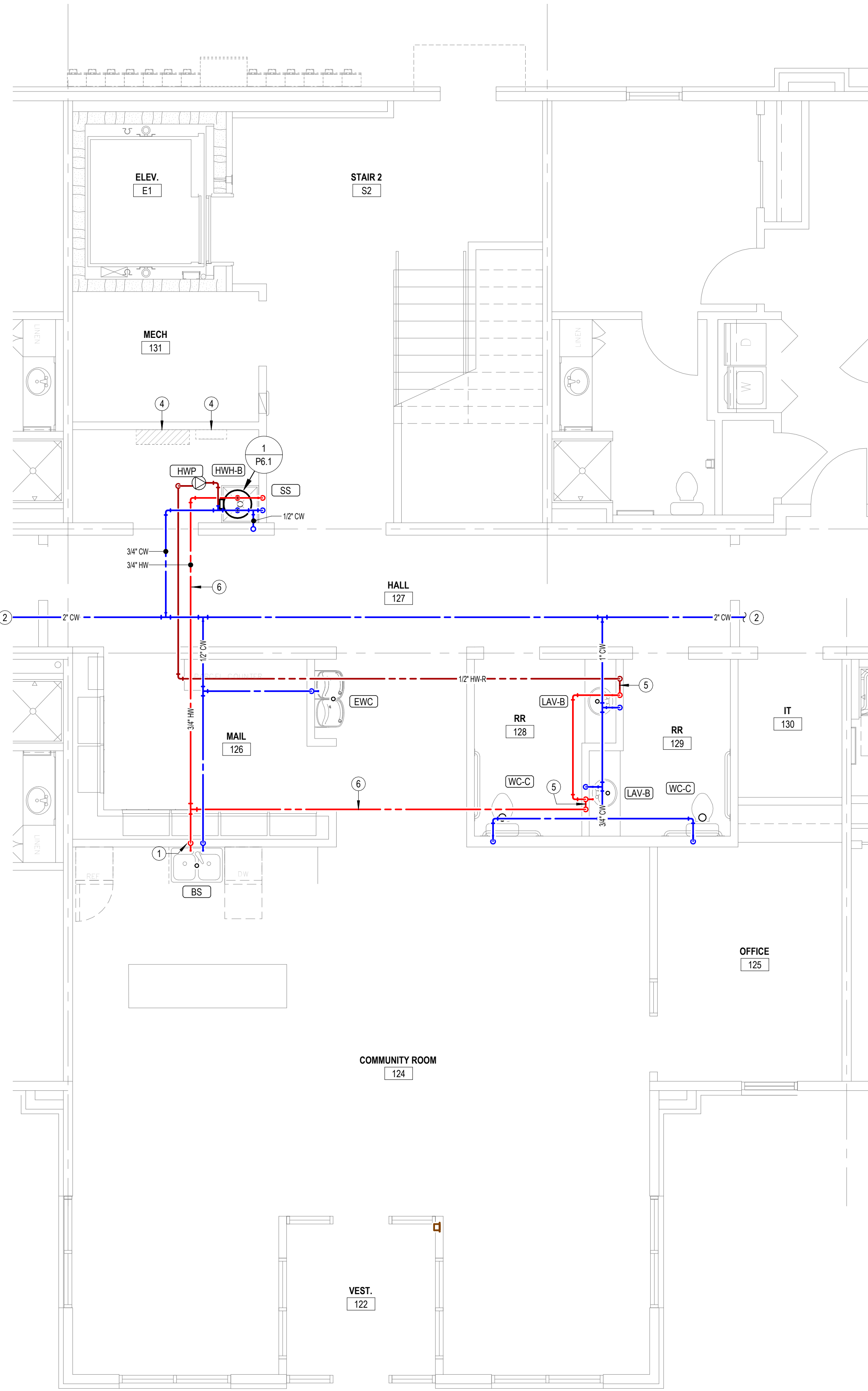
NEW SENIOR LIVING FACILITY

CARTER LAKE, IOWA

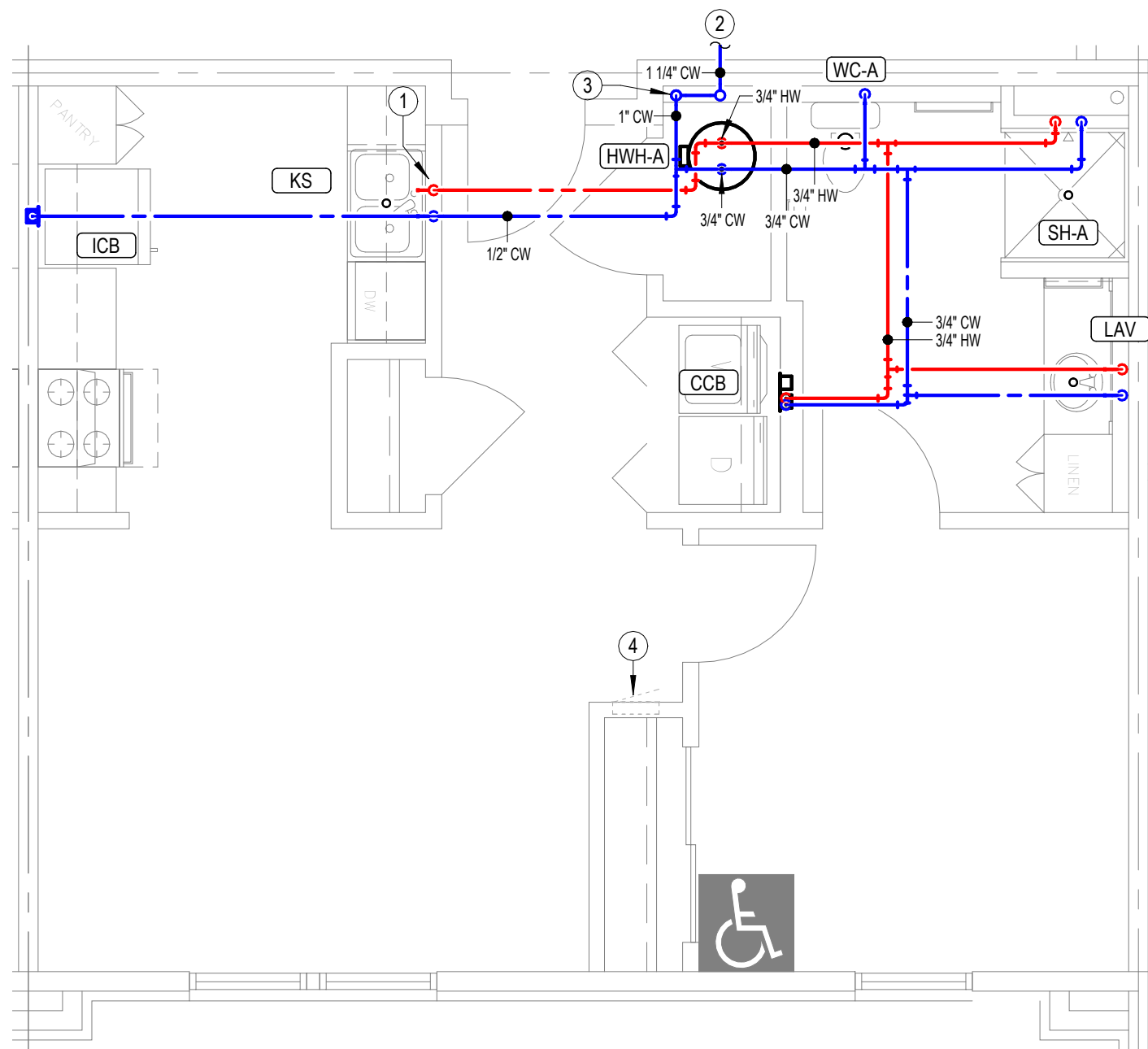


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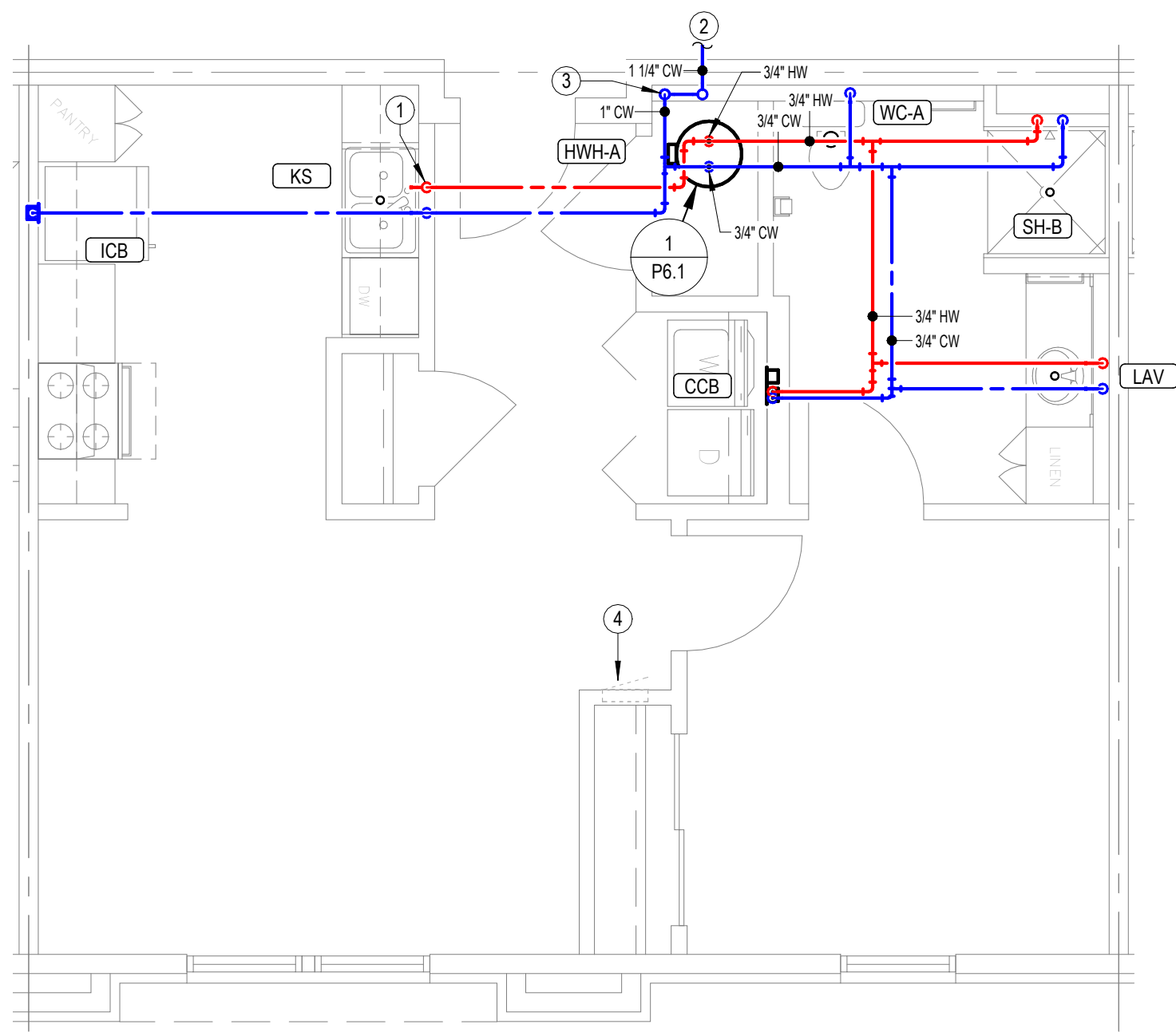
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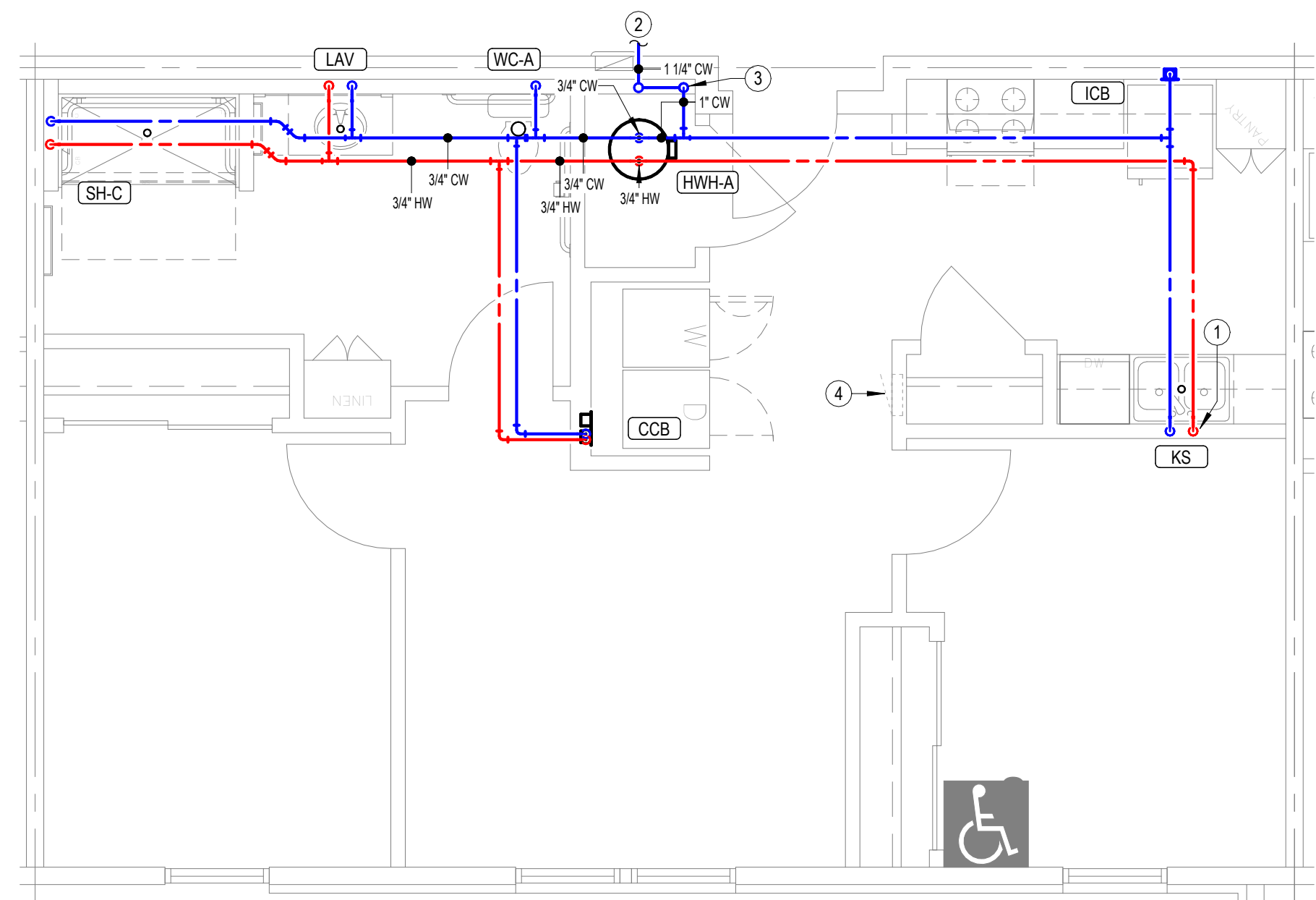
1 **ENLARGED DOMESTIC WATER PLAN-COMMON AREA**
1/4" = 1'-0"



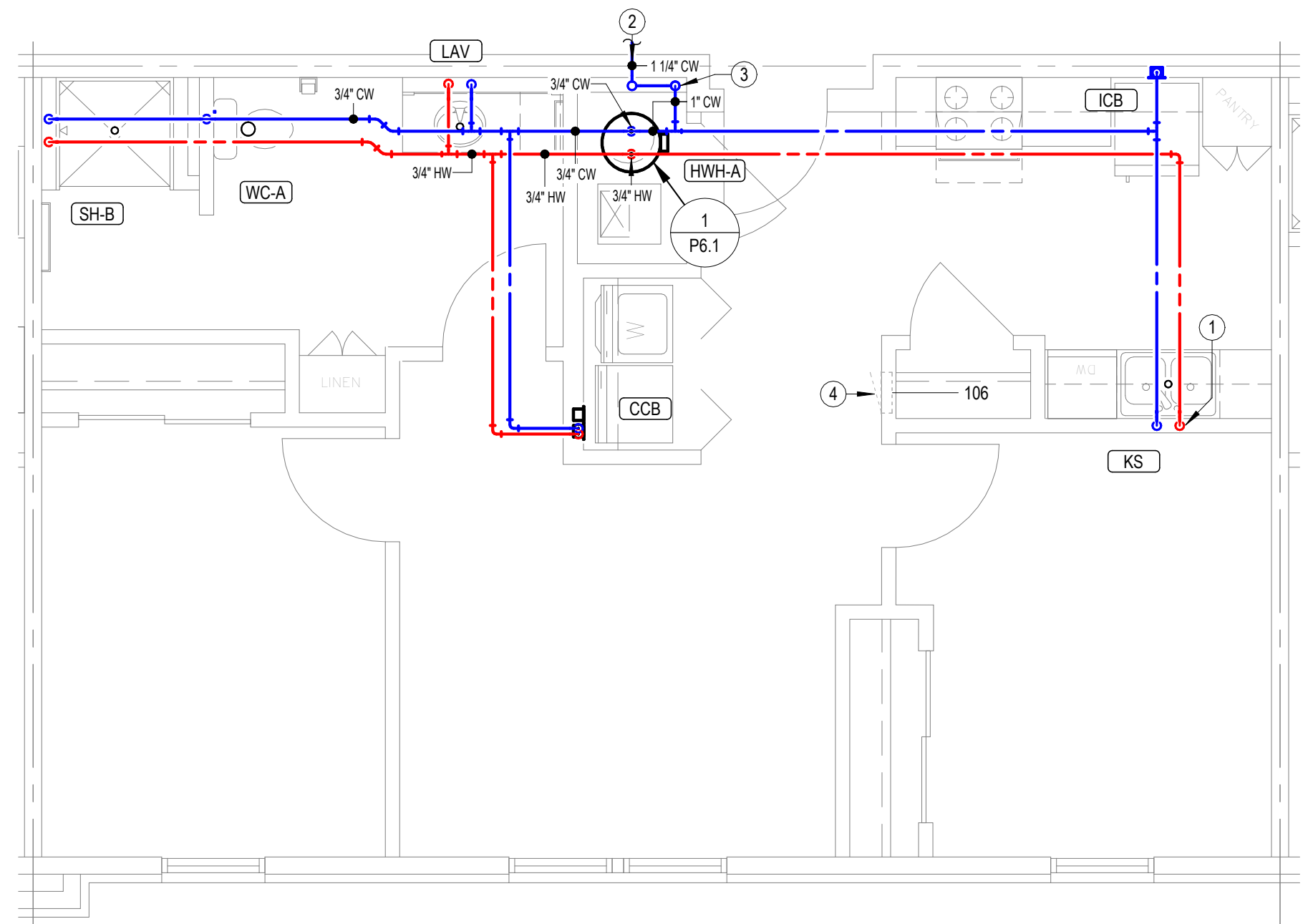
4 **ENLARGED DOMESTIC WATER PLAN-1 BR ACCESSIBLE**
1/4" = 1'-0"



2 **ENLARGED DOMESTIC WATER PLAN-1 BR**
1/4" = 1'-0"



5 **ENLARGED DOMESTIC WATER PLAN-2 BR ACCESSIBLE**
1/4" = 1'-0"



3 **ENLARGED DOMESTIC WATER PLAN-2 BR**
1/4" = 1'-0"

COPPER PIPE SIZE INDICATED	ALTERNATE MATERIAL SIZE		
	Cross-linked polyethylene (PEX)	Polypropylene	
1/2"	1/2"	1/2"	
3/4"	3/4"	3/4"	
1"	1-1/4"	1-1/4"	
1-1/4"	1-1/2"	1-1/2"	
1-1/2"	2"	2"	
2"	2-1/2"	2-1/2"	
2-1/2"	3"	3"	
3"	3-1/2"	3-1/2"	

Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.



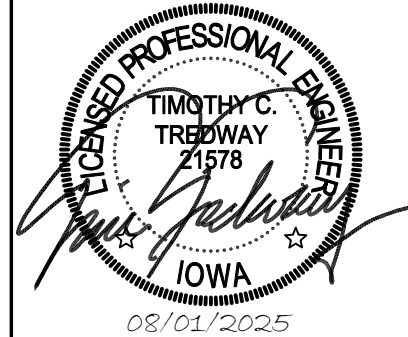
- GENERAL NOTES:
1. PIPING FOR DWELLING UNITS ON 3RD FLOOR SHALL BE ROUTED BELOW THE FLOOR. DO NOT ROUTE DOMESTIC WATER PIPING IN THE ATTIC.
 2. REFERENCE OVERALL PLANS FOR EXACT FIXTURE TAGS.
- NOTES BY SYMBOL
- 1 PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.
 - 2 SEE OVERALL DOMESTIC WATER PLANS FOR CONTINUATION.
 - 3 PROVIDE 1" WATER SERVICE TO APARTMENT WITH SHUT-OFF VALVE. SEE DOMESTIC RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
 - 4 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
 - 5 HOT WATER CIRCULATION LOOP SHALL DROP IN WALL TO LIMIT HOT WATER BRANCH TO PUBLIC LAVATORY TO 2 MAX.
 - 6 COORDINATE ROUTING OF PIPING IN THIS AREA WITH STRUCTURE.

THE RESIDENCE AT CARTER LAKE

NEW SENIOR LIVING FACILITY

CARTER LAKE,

IOWA



REVISIONS:

DATE:	8-1-2025
JOB:	25-3489
SHEET NO.:	

P4.1

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PLUMBING FIXTURE SCHEDULE

GENERAL: • PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.
 • VENT SIZES ARE APPLICABLE ONLY FOR INDIVIDUAL FIXTURE VENTS WHERE ALTERNATE VENTING METHOD HAS NOT BEEN INDICATED ON PLANS.
 • PROVIDE 1/4 TURN STOP VALVES ON ALL HOT AND COLD WATER SUPPLY LINE CONNECTIONS FOR FIXTURES. SHOWER VALVES SHALL HAVE INTEGRAL STOP VALVES.
 • PROVIDE FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMER OR TRAP PRIMER ALTERNATIVE EQUIVALENT TO PREVENT TRAP DRAIN. PROVIDE AUTOMATIC TRAP PRIMER DEVICE WITH SINGLE OR MULTIPLE OUTLET PIPES AND ROUTE DRAINS TO PRIMER PORTS.

MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM	ROUGH-IN SIZES			COLD	HOT	ADA COMPLIANT	NOTES
					DRAIN	VENT	WATER				
BS	BLANCO	443047	SINGLE COMPARTMENT 18 GA STAINLESS STEEL SINK, UNDERMOUNT, 23"x16"x15-1/2"D BOWL.	DELTA MODEL 198022-SP-DST SINGLE HANDLE KITCHEN SINK FAUCET WITH PULL DOWN HOSE SPRAY, STAINLESS FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
CCB	SIOUX CHIEF	696-2313	RECESSED WASHING MACHINE BOX WITH 2"PVC/ABS DRAIN COUPLING AND KNOCKOUT TEST CAP. TWO 1/4 TURN BALL VALVES WITH HAMMER ARRESTORS.		2"	1 1/2"	1/2"	Yes	Yes		
DB	SIOUX CHIEF	696-3	DRAINAGE BOX BOX WITH 2" DRAIN CONNECTION AND SOLID COVER.		2"	1 1/2"	0"	No	No		
EWC	MURDOCK	A172100F-UG-BF1 2	DUAL LEVEL SELF-CONTAINED WATER COOLER WITH STAINLESS STEEL BASIN, FRONT PUSH BUTTON ACTUATORS, SENSOR OPERATED BOTTLE FILLER, LEAD-FREE COOLING SYSTEM, 120 VOLTS.		2"	1 1/2"	1/2"	Yes	No	Yes	
FD-A	WATTS	FD-100-A	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	2"	2"					
FD-B	WATTS	FD-100-A	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	2"	2"					
FS	WATTS	FS-740	12" SQUARE, 8" DEEP FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOWEL BOTTOM STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAP GUARD	<varies >	2"					
ICB	SIOUX CHIEF	696-G1010	ICE MAKER CONNECTION BOX WITH 1/4" TURN BALL VALVE AND INTEGRAL HAMMER ARRESTOR.		0"	0"	1/2"	Yes	No		
KS	JUST	DLADA1829A65-J	TWO COMPARTMENT 18 GA STAINLESS STEEL SINK, SELF RIMMING, (2) 12"x12"x6-3/8"D BOWLS, FULLY UNDERCOATED, FAUCET HOLES AS REQ.	DELTA MODEL 198022-SP-DST SINGLE HANDLE KITCHEN SINK FAUCET WITH PULL DOWN SPRAYER, STAINLESS FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
LAV	AMERICAN STANDARD	0610.000.020	UNDERMOUNT LAVATORY, WHITE VITREOUS CHINA, 20"W X 17".	DELTA MODEL 559H-559HAR-SS-DST SINGLE HANDLE FAUCET, STAINLESS FINISH. LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
LAV-B	AMERICAN STANDARD	0610.000.020	UNDERMOUNT LAVATORY, WHITE VITREOUS CHINA, 20"W X 17".	MOEN MODEL 84774BL SINGLE HANDLE FAUCET, BLACK FINISH. LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
SHA	TBD	ADD MODEL NUMBER	EDIT DESCRIPTION: ONE-PIECE ACRYLIC SHOWER, 36"x33.5"x84", WITH MOLDED SOAP SHELF, RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED. PROVIDE WITH BRASS DRAIN WITH CHROME STRAINER.	EDIT DESCRIPTION: DELTA MODEL R10000-UNWS/T13H132 PRESSURE BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS, SINGLE METAL LEVER HANDLE, WITH 1.5 GPM SHOWER HEAD AND ARM.	2"	1 1/2"	1/2"	Yes	Yes	No	
SH-B	TBD	ADD MODEL NUMBER	EDIT DESCRIPTION: ONE-PIECE ACRYLIC SHOWER, 36"x33.5"x84", WITH MOLDED SOAP SHELF, RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED. PROVIDE WITH BRASS DRAIN WITH CHROME STRAINER.	EDIT DESCRIPTION: DELTA MODEL R10000-UNWS/T13H132 PRESSURE BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS, SINGLE METAL LEVER HANDLE, WITH 1.5 GPM SHOWER HEAD AND ARM.	2"	1 1/2"	1/2"	Yes	Yes	No	
SH-C	TBD	ADD MODEL NUMBER	EDIT DESCRIPTION: ONE-PIECE ACRYLIC SHOWER, 36"x33.5"x84", WITH MOLDED SOAP SHELF, RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED. PROVIDE WITH BRASS DRAIN WITH CHROME STRAINER.	EDIT DESCRIPTION: DELTA MODEL R10000-UNWS/T13H132 PRESSURE BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS, SINGLE METAL LEVER HANDLE, WITH 1.5 GPM SHOWER HEAD AND ARM.	2"	1 1/2"	1/2"	Yes	Yes	No	
SS	FIAT	MSB-2424	ONE PIECE MOLDED STONE MOP BASIN, 24" SQUARE, STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULK CONNECTION, STAINLESS STEEL WALL GUARDS.	CHICAGO FAUCET MODEL 897-CPP FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, INTEGRAL CHECK VALVES, METAL LEVER HANDLES.	3"	1 1/2"	3/4"	Yes	Yes	No	
WC-A	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1/2"	Yes	No	Yes	
WC-B	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	3"	2"	1/2"	Yes	No	Yes	
WC-C	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1/2"	Yes	No	Yes	
WH	WOODFORD	B67	AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTOR, LOOSE TEE KEY HANDLE, WITH RECESSED BOX WITH DOOR. PROVIDE WITH CHROME PLATED EXTERIOR FINISH.				3/4"	Yes	No	No	

