





*Richard D. Becker*  
Signature

Richard D. Becker  
Typed or Printed Name

Electrical  
Discipline

06/19/23  
Date

**WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER**  
707 39TH AVENUE SE  
PUYALLUP, WA 98374

PERMIT SET  
October 16, 2023

REVISIONS  
No. Description Date

ISA202201  
PROJECT NUMBER

DJL JLA  
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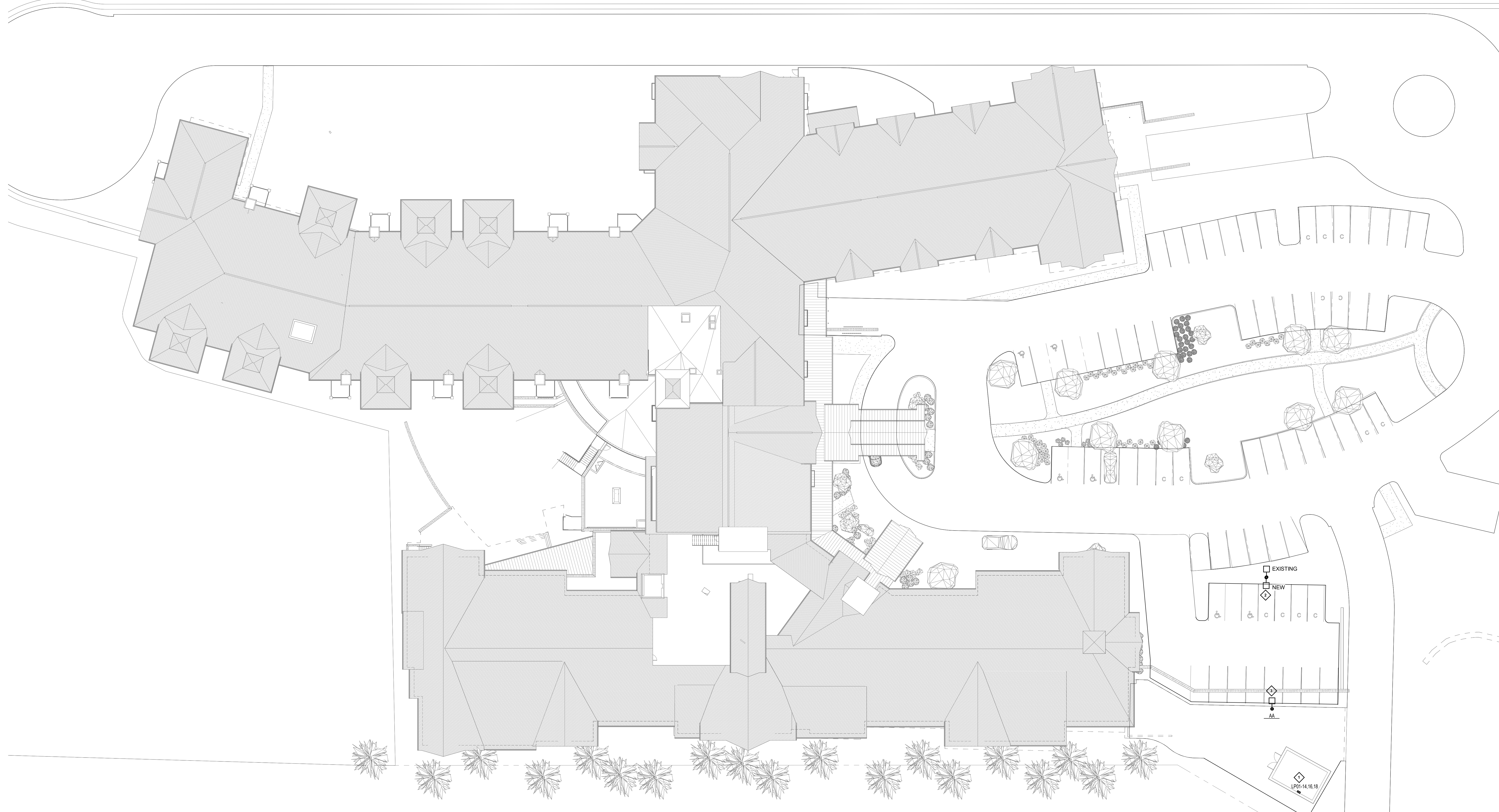
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PHASE 2 - CARE CENTER

ELECTRICAL SITE PLAN

**E0.1**

- GENERAL ELECTRICAL SITE NOTES**
- A. CIRCUIT NUMBERS SHOWN ARE FOR REFERENCE ONLY. PROVIDE #8 CONDUCTORS MINIMUM.
  - B. OBTAIN POWER FROM PANEL XXXX, UNLESS NOTED OTHERWISE.
  - C. CONTROL EXTERIOR LIGHTING VIA PHOTOCELL AND TIME CLOCK. REFER TO SPECIFICATIONS.
  - D. EXTERIOR BUILDING MOUNTED LIGHT FIXTURES ARE INDICATED ON THE LIGHTING PLANS.

- SPECIFIC ELECTRICAL SITE NOTES**
- 1. PROVIDE POWER FOR 208V/3PH TRASH COMPACTOR. 60A DISCONNECT SWITCH, 80A CIRCUIT BREAKER, #2 WIRING
  - 2. MATCH EXISTING SITE POLE STANDARD HEAD ON EXISTING POLE. CONNECT TO EXISTING SITE CIRCUITRY.
  - 3. PROVIDE NEW SITE LIGHTING STANDARD. MATCH EXISTING POLE LIGHTING STANDARD & INSTALLATION. CONNECT TO EXISTING SITE LIGHTING CIRCUITRY.



1 ELECTRICAL SITE PLAN  
1" = 20'-0"



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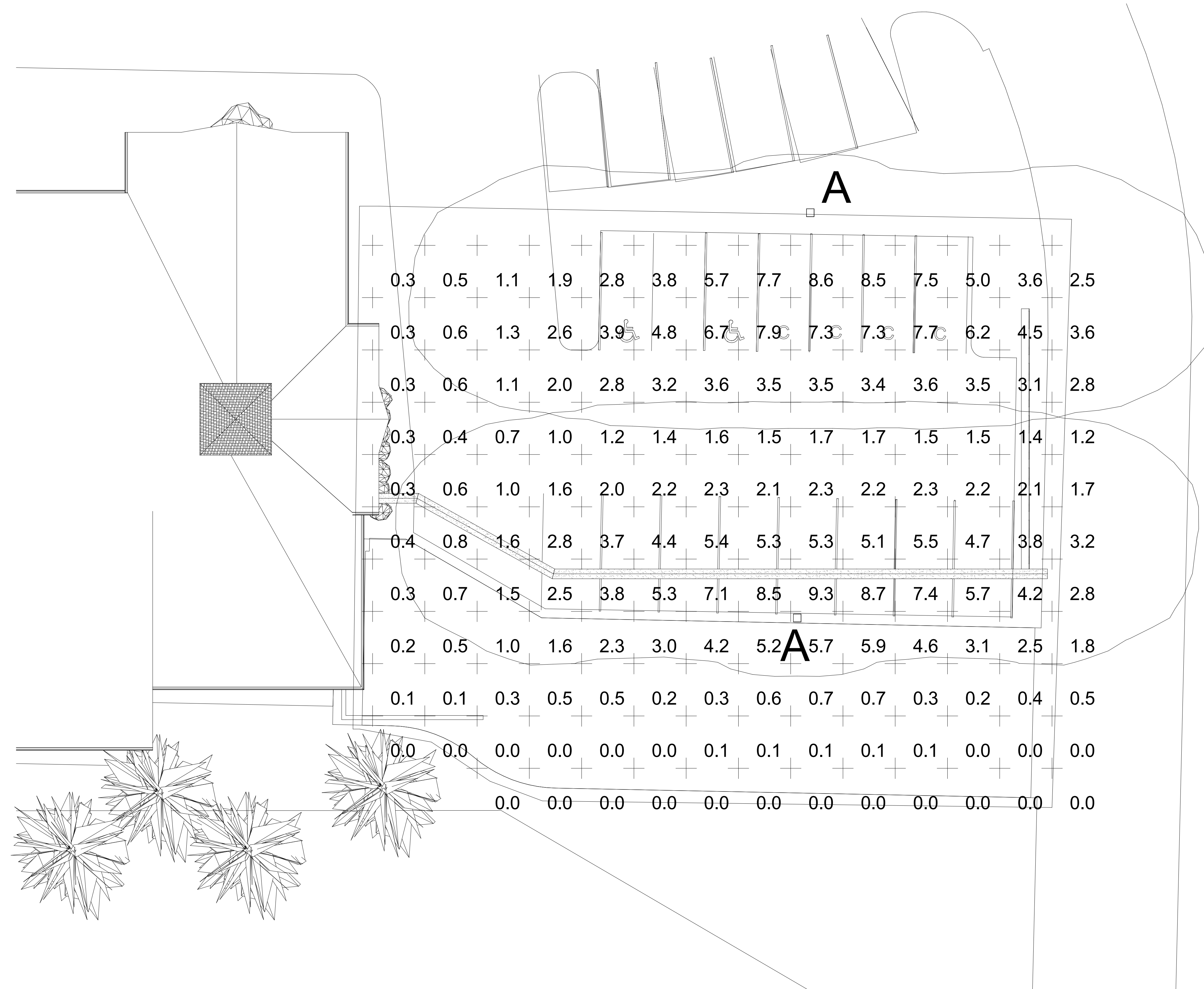
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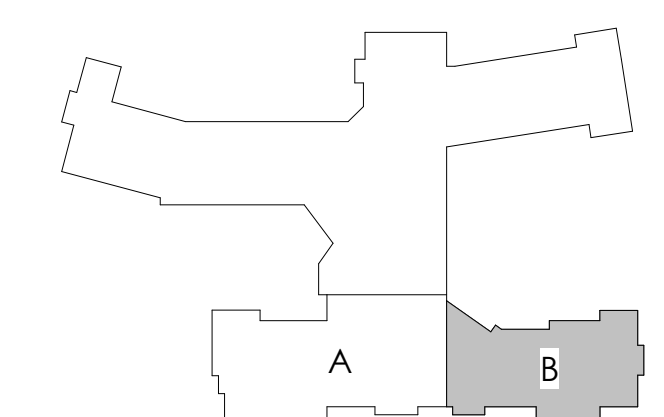
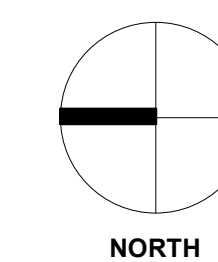
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SITE PHOTOMETRIC

**E0.2**



1 SITE PHOTOMETRICS  
NOT TO SCALE





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GARAGE LIGHTING PLAN  
AREA A

**E1.0A**

**GENERAL ELECTRICAL LIGHTING NOTES**

A. CONTROL CORRIDOR LIGHT FIXTURES VIA LOCAL CONTROL AT NURSE STATION OR AREA'S WITH OCCUPANCY SENSOR UNLESS NOTED OTHERWISE.

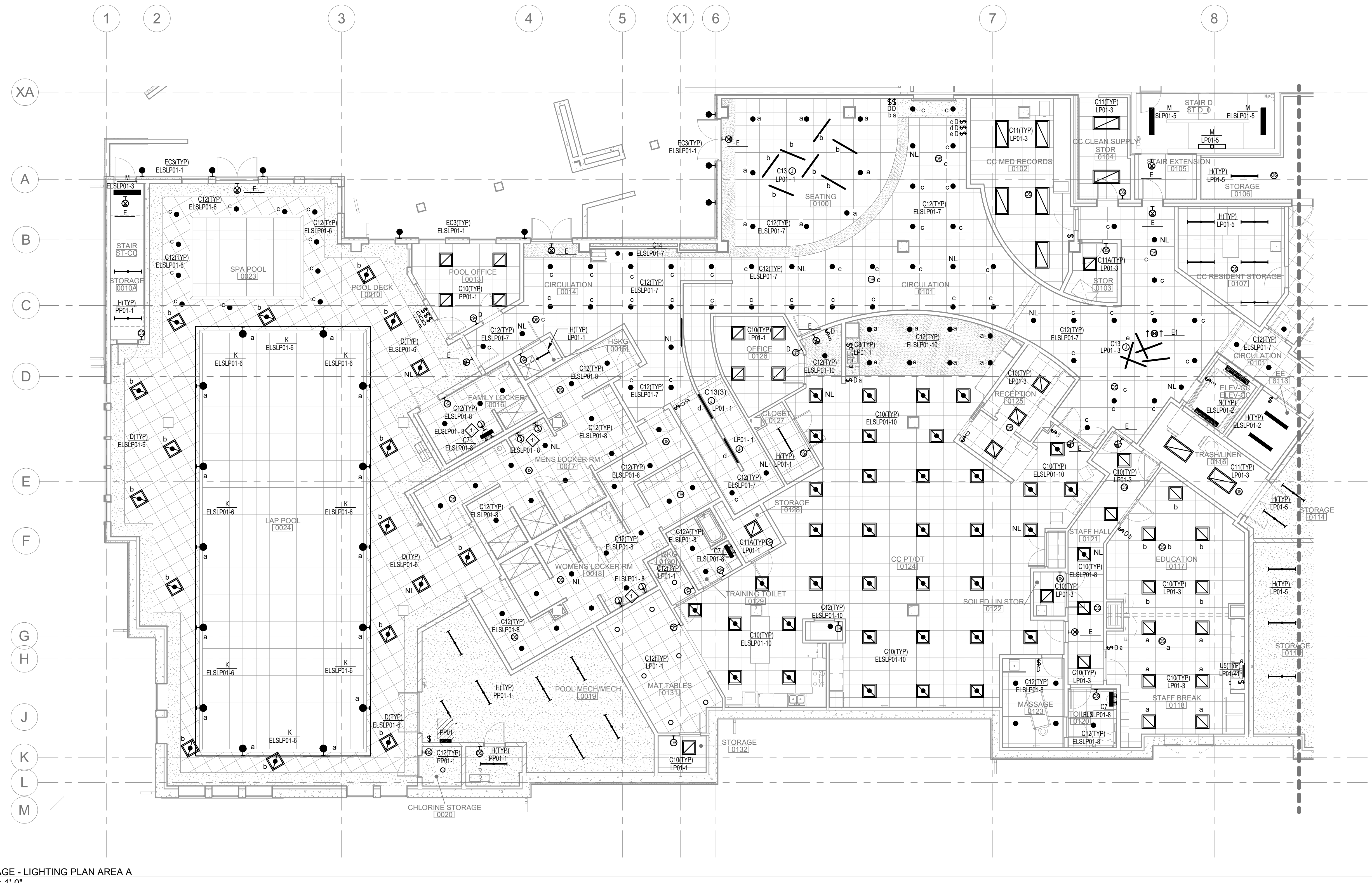
B. CONTROL BUILDING MOUNTED EXTERIOR LIGHT FIXTURES VIA SITE TIME CLOCK, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO COORDINATE COMMON AREA LIGHTING CONTROL LOCATIONS WITH OWNER.

C. ELECTRICAL CONTRACTOR TO VERIFY LOCATION OF ALL COMMON AREA LIGHTING CONTROL WITH OWNER/ARCHITECT.

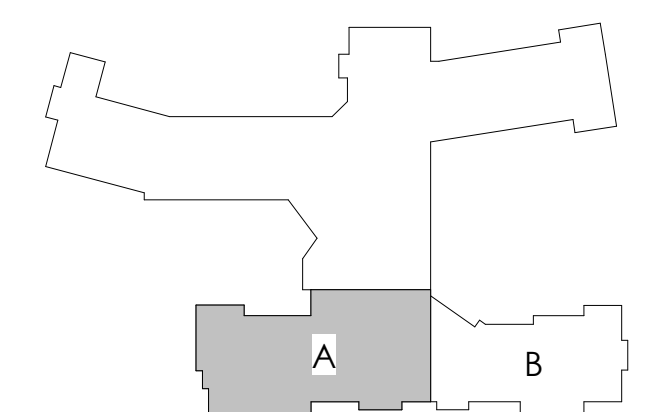
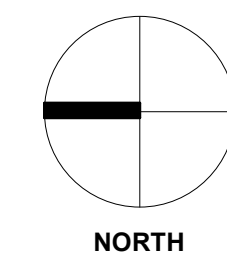
**SPECIFIC ELECTRICAL LIGHTING NOTES**

1. LIGHTED MIRROR FIXTURES PROVIDED BY OTHERS. CONTROL WITH LOCAL LIGHTING.

2. PROVIDE PILOT LIGHT SWITCH FOR OXYGEN ROOM OUTSIDE OF ROOM.



1 GARAGE - LIGHTING PLAN AREA A  
1/8" = 1'-0"





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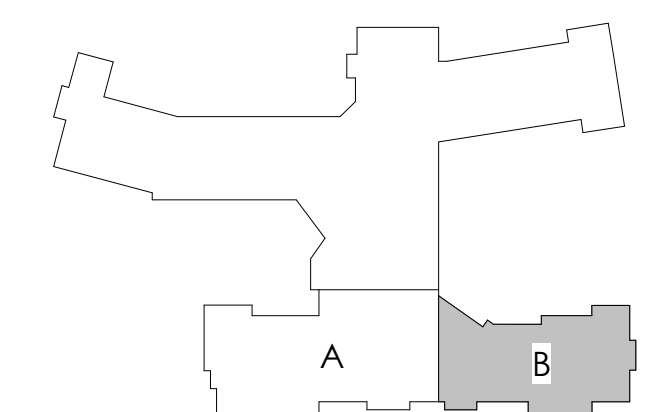
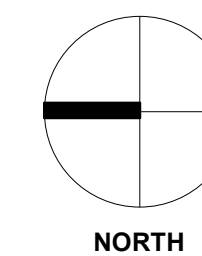
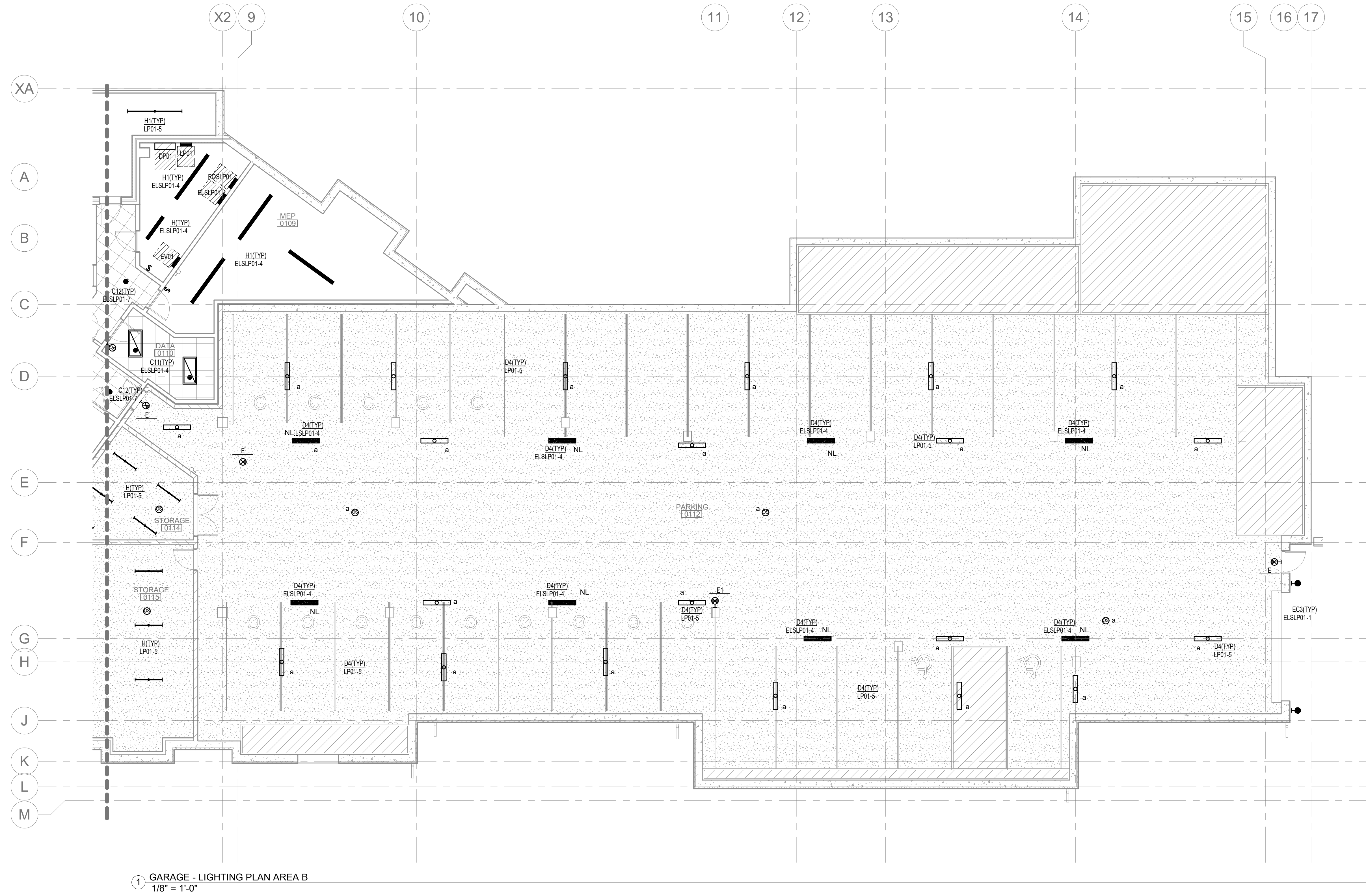
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GARAGE LIGHTING PLAN  
AREA B

**E1.0B**



REFER TO SHEET E1.0A FOR NOTES



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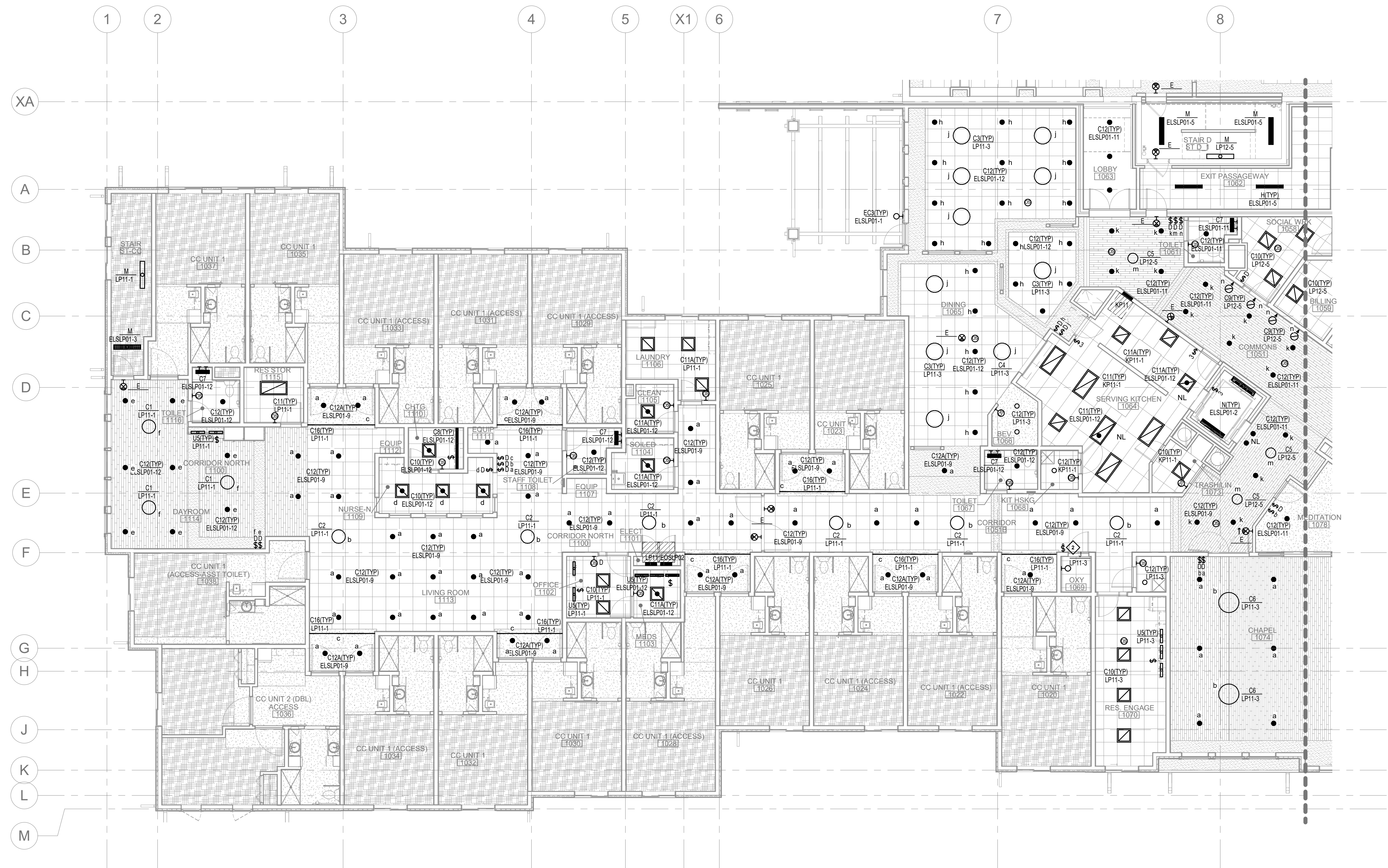
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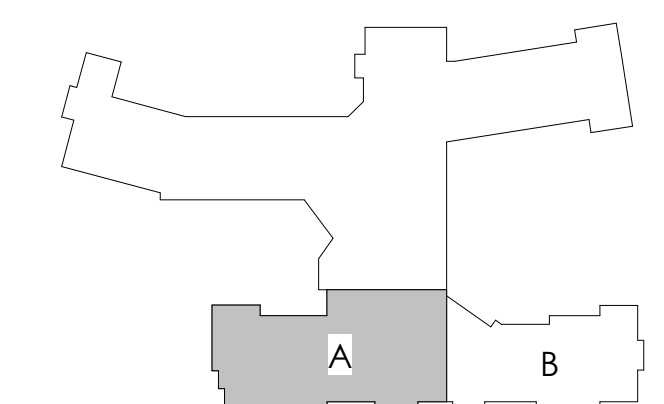
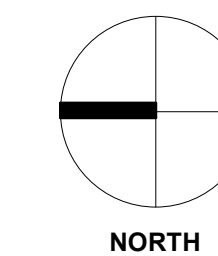
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LEVEL 1 LIGHTING PLAN  
AREA A

**E1.1A**



① LEVEL 1 - LIGHTING PLAN AREA A  
1/8" = 1'-0"



REFER TO SHEET E1.0A FOR NOTES



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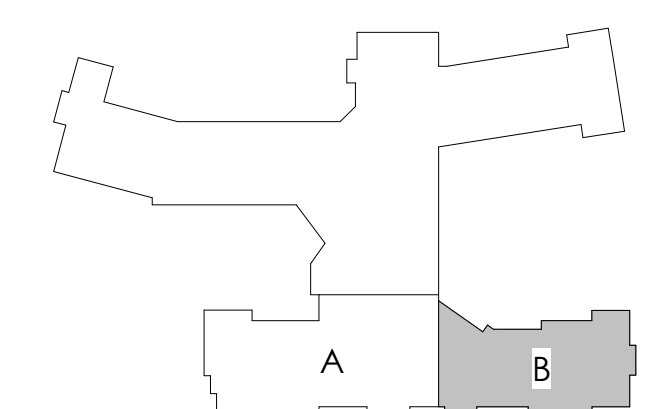
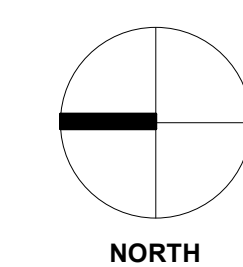
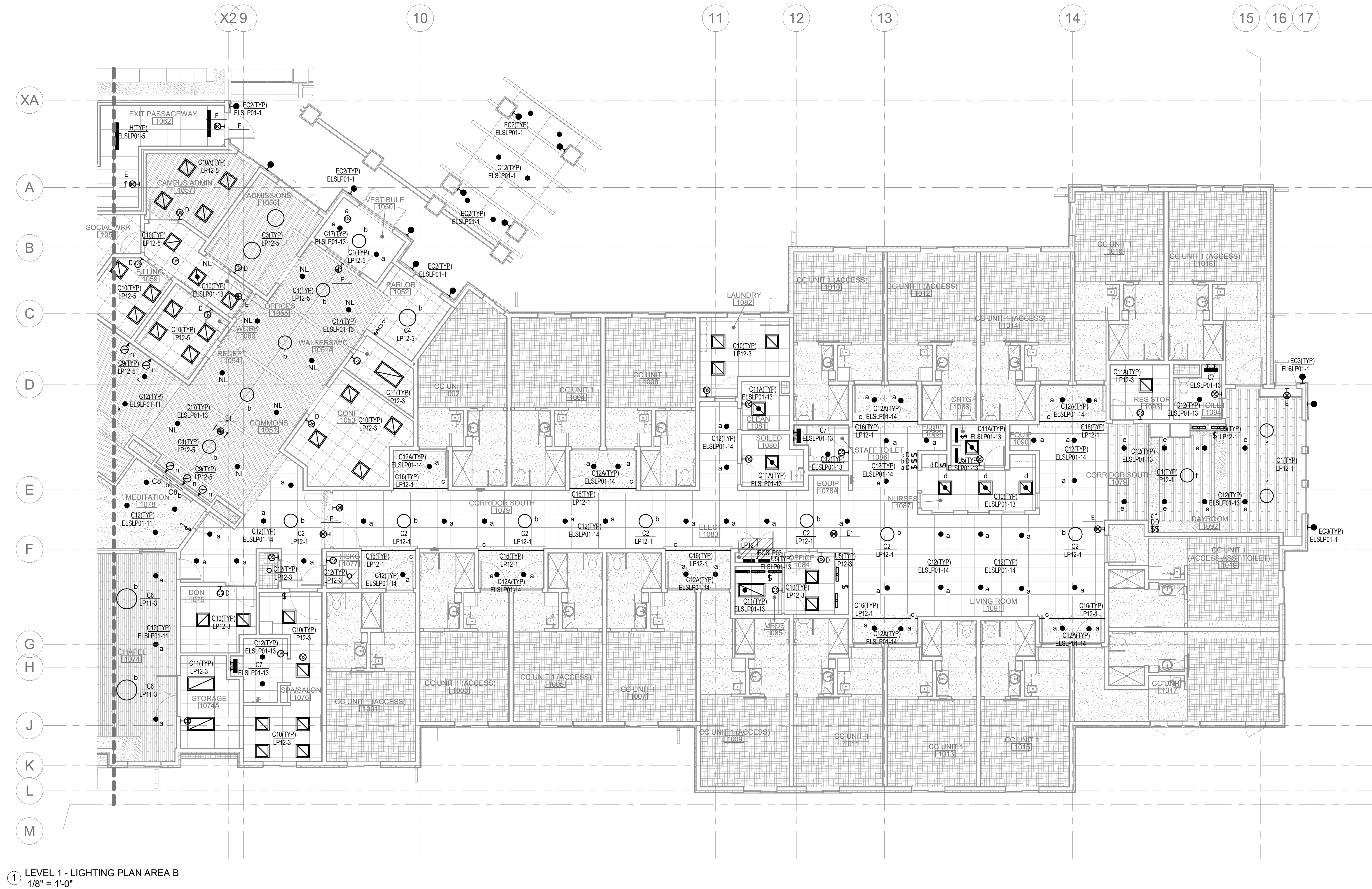
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LEVEL 1 LIGHTING PLAN  
AREA B

**E1.1B**



REFER TO SHEET E1.0A FOR NOTES



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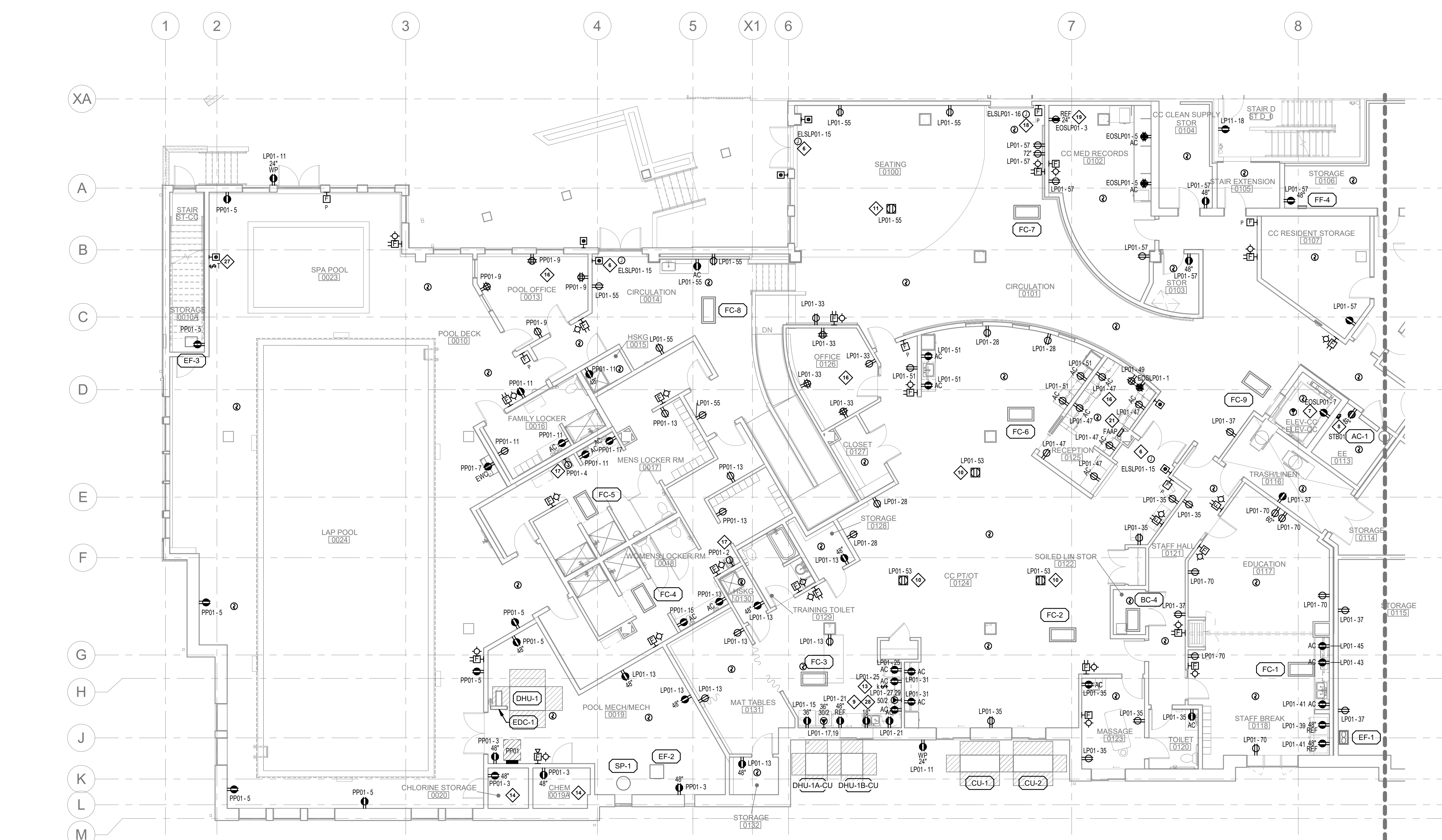
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GARAGE POWER &  
SYSTEMS PLAN AREA A

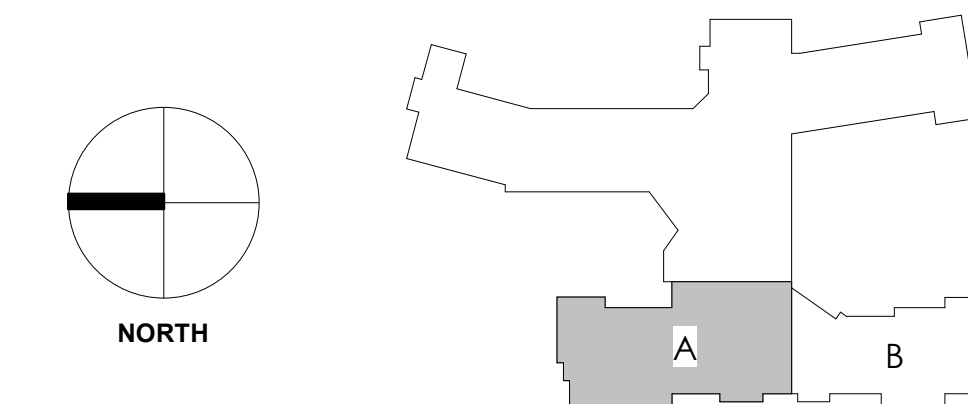
**E2.0A**

- GENERAL POWER & SYSTEMS NOTES**
- VERIFY LOCATION OF ALL LIGHT FIXTURES & DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.
  - PER SPECIFICATIONS, CONTRACTOR SHALL PROVIDE ACOUSTICALLY RATED, FLANGED, AIRTIGHT BOXES IN ALL CORRIDOR WALLS & TOP FLOOR CEILINGS.
  - AT ALL THROUGH PENETRATIONS AT FIRE-RESISTANCE RATING, PROVIDE APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED & TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479. INSTALLATION SHALL HAVE AN F & T RATING OF NOT LESS THAN THE ASSEMBLY BEING PROTECTED.
  - AT ALL MEMBRANE PENETRATIONS, ELECTRICAL BOX INSTALLATION SHALL COMPLY WITH IBC 713.3.2.
  - REFER TO UNIT PLANS FOR TYPICAL UNIT CONFIGURATIONS. CONTRACTOR SHALL COMPLETE ALL UNITS BASED ON TYPICAL UNITS.
  - POOL GROUNDING BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH POOL CONTRACTOR & AHI.
  - LOW VOLTAGE SYSTEMS BY OTHERS, COORDINATE ANY & ALL POWER CONNECTIONS WITH LOW VOLTAGE.
  - PROVIDE POWER FOR ALL CARD READERS, COORDINATE WITH LOW VOLTAGE SUPPLIER EXACT LOCATIONS & REQUIREMENTS.
  - ACCESS CONTROL SHALL BE COMPATIBLE WITH EXISTING SYSTEM.

- SPECIFIC ELECTRICAL NOTES**
- DEDICATED AREA FOR INCOMING WATER SERVICE SYSTEM. REFER TO MECHANICAL PLANS & SPECIFICATIONS FOR FURTHER INFORMATION.
  - DEDICATED AREA FOR INCOMING SPRINKLER SERVICE SYSTEM. REFER TO MECHANICAL PLANS & SPECIFICATIONS FOR FURTHER INFORMATION.
  - DEDICATED FOR SPRINKLER SYSTEM AIR COMPRESSOR. VERIFY ELECTRICAL REQUIREMENTS WITH SPRINKLER SYSTEM INSTALLER PRIOR TO ROUGH-IN. COORDINATE COMPRESSOR CIRCUITRY WITH FIRE SPRINKLER CONTRACTOR.
  - PROVIDE POWER TO MIXING VALVE. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR.
  - PROVIDE CONNECTIONS TO GARAGE DOOR OPERATOR ASSEMBLY & CONTROLS. COORDINATE WITH GARAGE DOOR PROVIDER.
  - PROVIDE POWER & CONTROL CONNECTIONS BETWEEN PUSHBUTTONS, KEYED SWITCH & ACCESS CONTROL SYSTEM AS REQUIRED FOR PROPER OPERATION.
  - PROVIDE DEDICATED CIRCUITS FOR ELEVATOR CAB POWER, LIGHTS & RECEPTACLES.
  - COORDINATE LOCATION OF ELEVATOR CONNECTION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
  - DEDICATED FOR DISHWASHER. MOUNT BELOW SINK TO ALLOW FOR PLUG CONNECTION.
  - DEDICATED FOR EXERCISE EQUIPMENT. VERIFY ELECTRICAL REQUIREMENTS & LOCATION WITH PROVIDER PRIOR TO ROUGH-IN & FLOOR BOX LOCATIONS.
  - PROVIDE FLOOR BOX WITH COVER & DEVICES SHOWN. WIREMOLD #WMB SERIES OR EQUAL (Floor Lamps). COORDINATE LOCATION WITH ARCHITECT, INTERIORS & FURNITURE PROVIDER PRIOR TO ROUGH-IN.
  - DEDICATED FOR IRRIGATION SYSTEM. VERIFY ELECTRICAL REQUIREMENTS & LOCATION WITH PROVIDER PRIOR TO ROUGH-IN.
  - PROVIDE MECHANICALLY HELD POWER CONTACTOR WITH NEMA-1 ENCLOSURE & KEYED SWITCH WITH PILOT LIGHT FOR CONTROL OF RANGE POWER. CONNECT SO THAT PILOT LIGHT IS ON WHEN RANGE IS POWERED.
  - CORROSIVE ENVIRONMENT PER 2017 NEC 680.12 AND 680.14. ALL ELECTRICAL CONDUITS, DEVICES, LIGHT FIXTURES, J-BOXES & WIRING METHODS SHALL BE LISTED & IDENTIFIED FOR USE IN THIS AREA.
  - PROVIDE FUTURE PANELBOARD FOR ELECTRIC VEHICLE CHARGER (BY OWNER). PROVIDE J-BOX & EXTEND 1 1/4" WITH PULL-ROPE TO PANEL INDICATED TO ACCOMMODATE FUTURE CHARGING CAPABILITIES.
  - CONNECT HALF OF SPLIT WIRED RECEPTACLES TO OCCUPANCY SENSOR WITHIN ROOM PER ASHRAE 90.1.
  - PROVIDE 120V CONNECTION TO SWIM SUIT SPINNING MACHINE. COORDINATE EXACT REQUIREMENTS WITH SUPPLIER.
  - PROVIDE EMERGENCY POWER & FIRE ALARM CONNECTION TO FIRE DOORS ON BOTH SIDES.
  - DEDICATED FOR UNDER CABINET REFRIGERATOR. VERIFY LOCATION & COORDINATE INSTALLATION WITH CABINET PROVIDER PRIOR TO ROUGH-IN.
  - PROVIDE GENERATOR ANNUNCIATOR PANEL. TIE INTO EXISTING LODGE GENERATOR AS REQUIRED.
  - PROVIDE FIRE ALARM ANNUNCIATOR CONNECTION INTO THE LODGE FIRE ALARM PANEL.
  - PROVIDE DEDICATED CIRCUIT PER UNIT FOR GENERAL LIGHTING & RECEPTACLE POWER.
  - PROVIDE EMERGENCY CIRCUIT FOR RECEPTACLES IN UNITS. SHARE CIRCUIT FOR THREE (3) ROOMS.
  - PROVIDE HVAC CIRCUIT FOR UNIT. SHARE CIRCUIT. SEE FLOOR PLANS.
  - PROVIDE GFI CIRCUIT FOR SPA TUB. COORDINATE EXACT CONNECTION WITH SUPPLIER.
  - PROVIDE WIREMOLD RFB4 FLOOR BOX FOR POWER & DATA. VERIFY EXACT LOCATION & SYSTEM REQUIREMENTS WITH LOW VOLTAGE PROVIDER. PROVIDE 2" CONDUIT FOR LOW VOLTAGE FROM FLOOR BOX TO WALL MOUNTED TV. COORDINATE.
  - PROVIDE CONNECTION TO SPA TIMER SWITCH & EMERGENCY SHUT-OFF EPO SWITCH, COORDINATE WITH POOL SUPPLIER & AHI.
  - PROVIDE CONNECTION TO RANGE HOOD.
  - PROVIDE CEILING RECEPTACLE FOR EMERGENCY CALL REPEATERS. COORDINATE EXACT REQUIREMENTS WITH OWNERS SUPPLIER.
  - PROVIDE CORRIDOR RECEPTACLE @ 48" FOR TOUCH PANELS. COORDINATE EXACT LOCATION WITH OWNER.



1 GARAGE - POWER AND SYSTEMS  
FLOOR PLAN AREA A  
1/8" = 1'-0"







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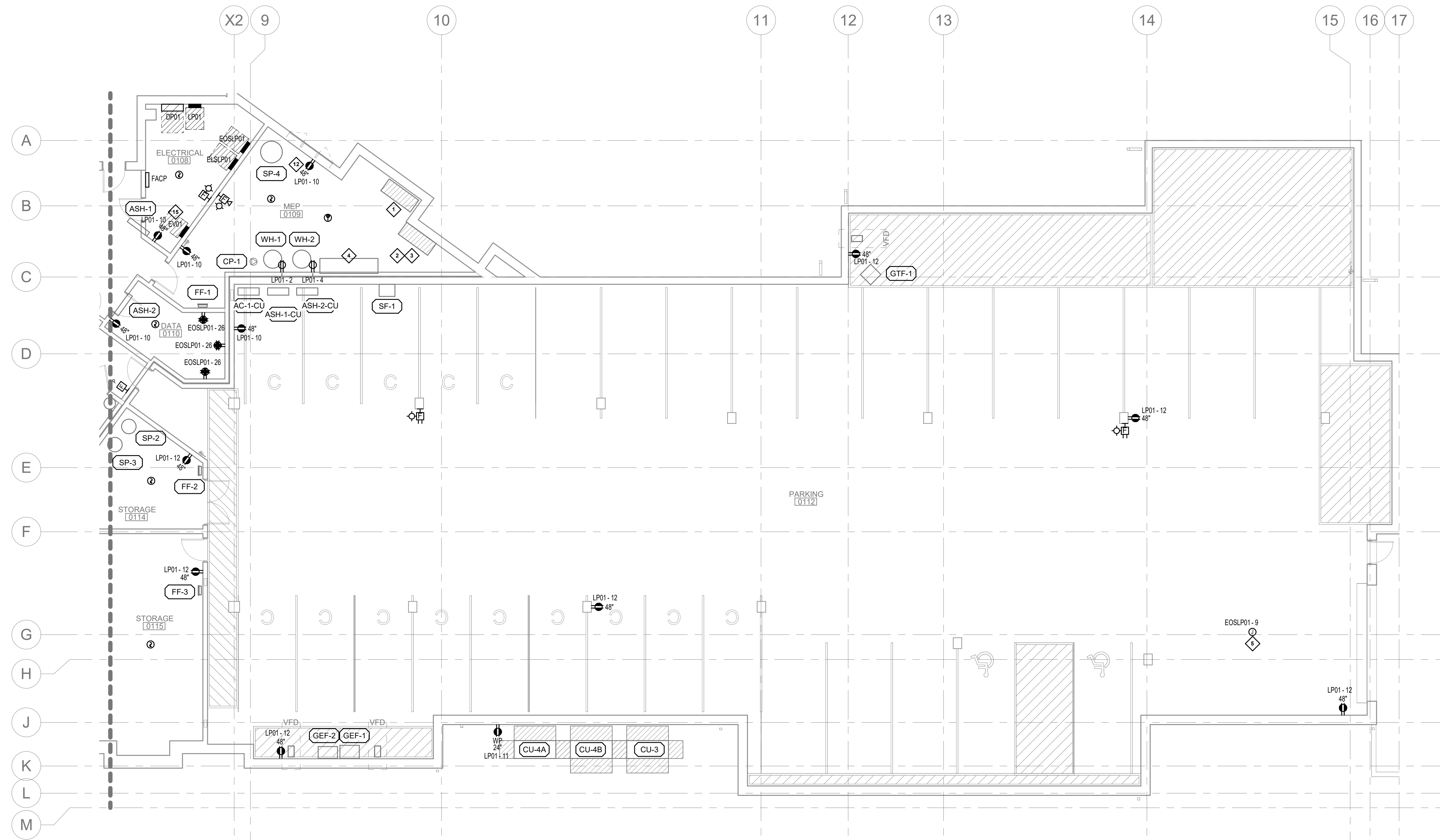
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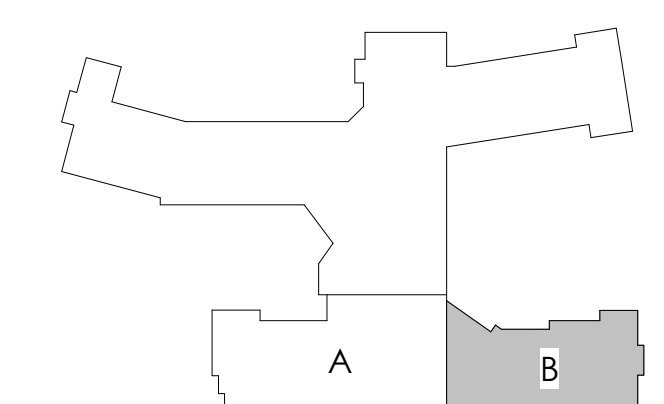
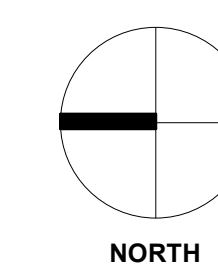
GARAGE POWER &

SYSTEMS PLAN AREA B

**E2.0B**



GARAGE - POWER AND SYSTEMS  
FLOOR PLAN AREA B  
1/8" = 1'-0"



REFER TO SHEET E2.0A FOR NOTES



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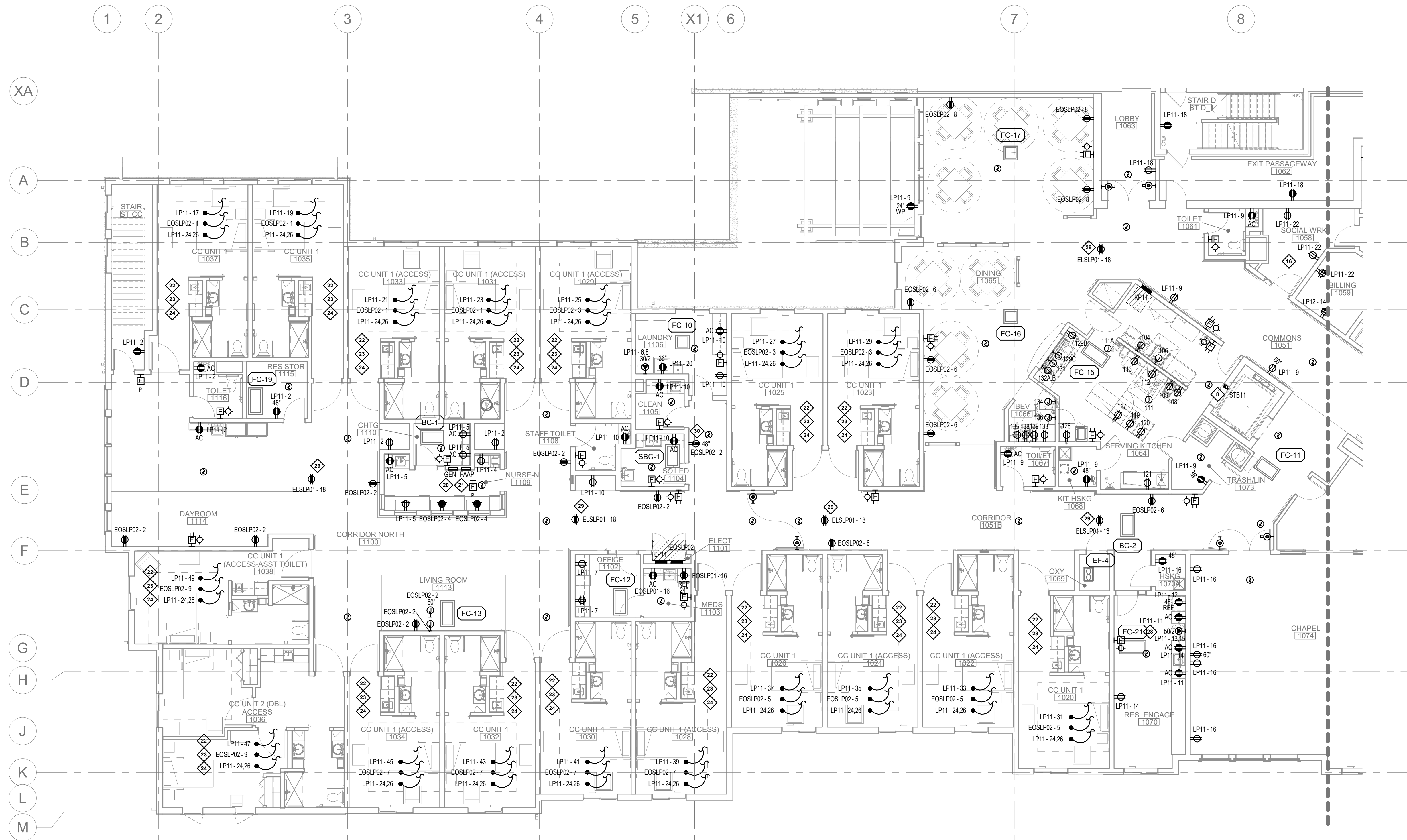
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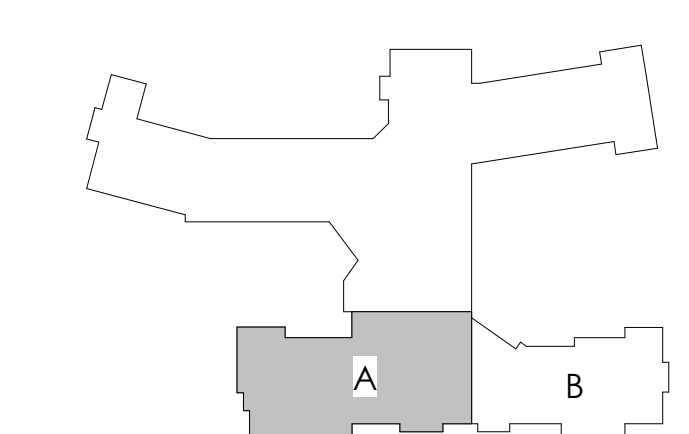
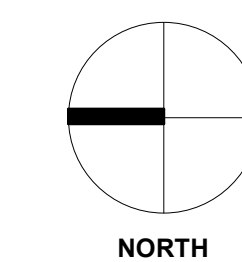
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LEVEL 1 POWER &  
SYSTEMS PLAN AREA A

**E2.1A**



LEVEL 1 - POWER AND SYSTEMS FLOOR  
PLAN AREA A  
1/8" = 1'-0"



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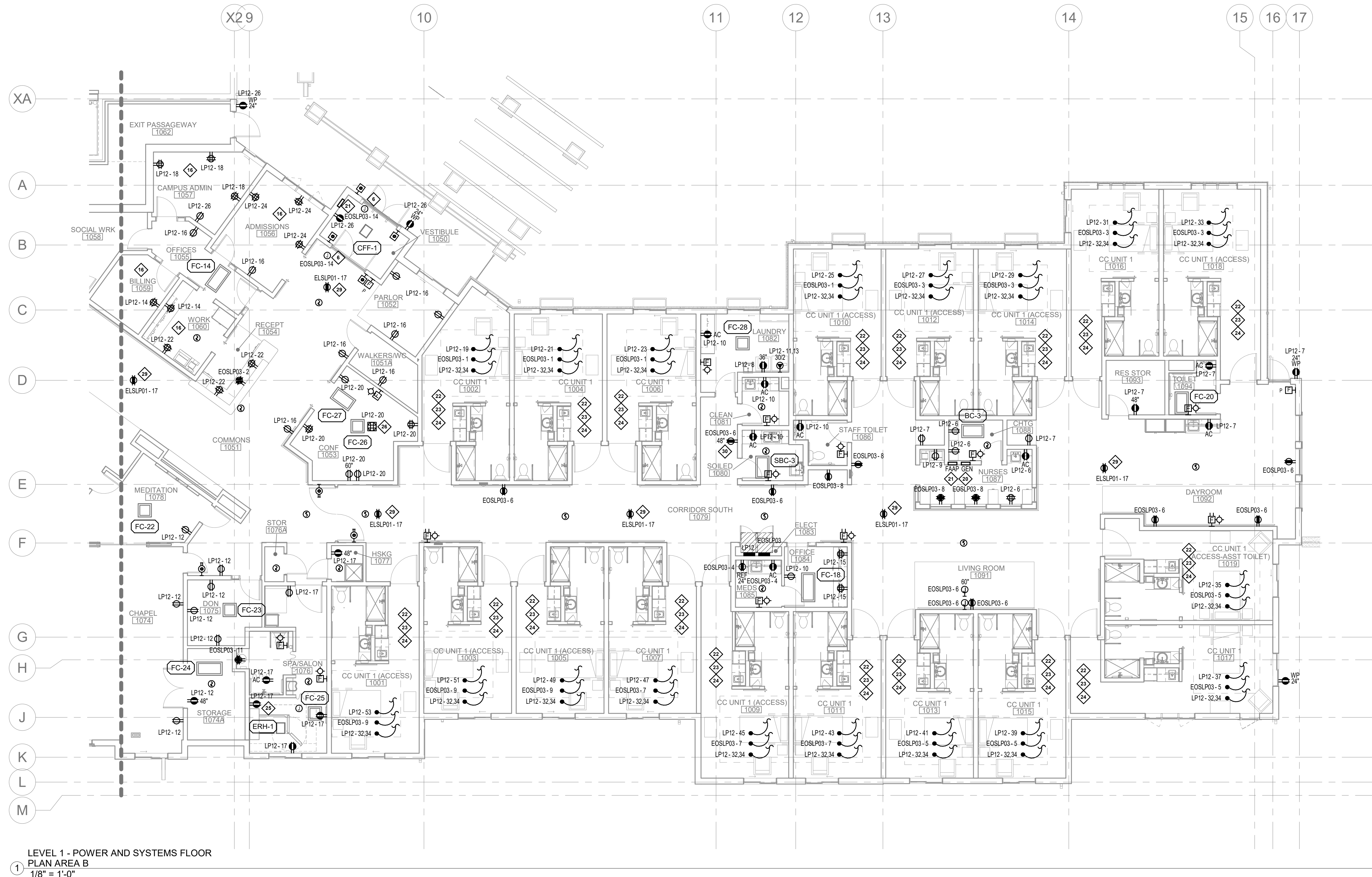
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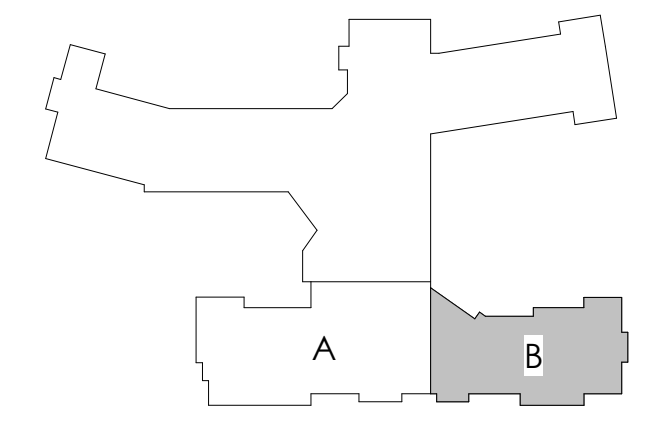
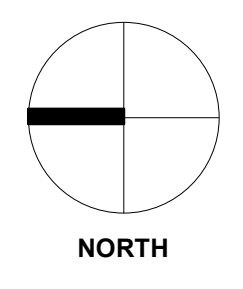
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LEVEL 1 POWER &  
SYSTEMS PLAN AREA B

**E2.1B**



LEVEL 1 - POWER AND SYSTEMS FLOOR  
PLAN AREA B  
1/8" = 1'-0"



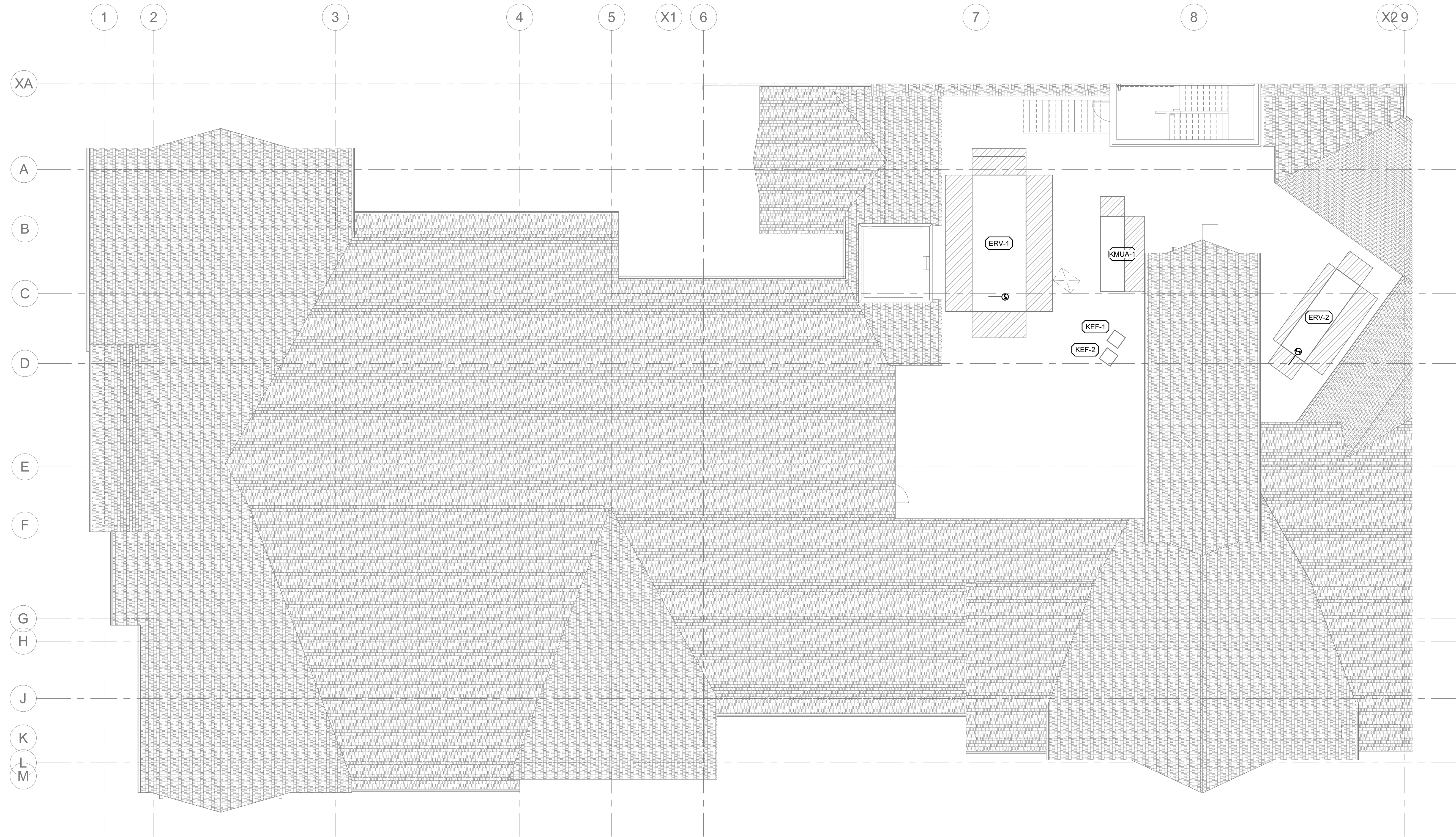
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1 ELECTRICAL ROOF PLAN AREA A  
1/8" = 1'-0"

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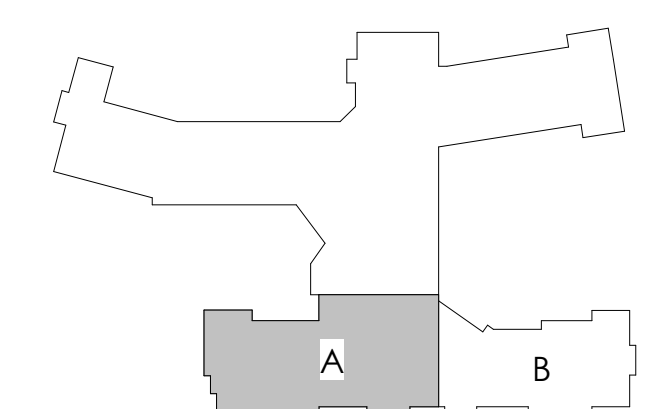
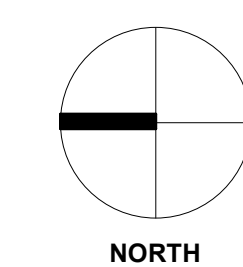
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ELECTRICAL ROOF PLAN  
AREA A

**E2.2A**



REFER TO SHEET E2.0A FOR NOTES

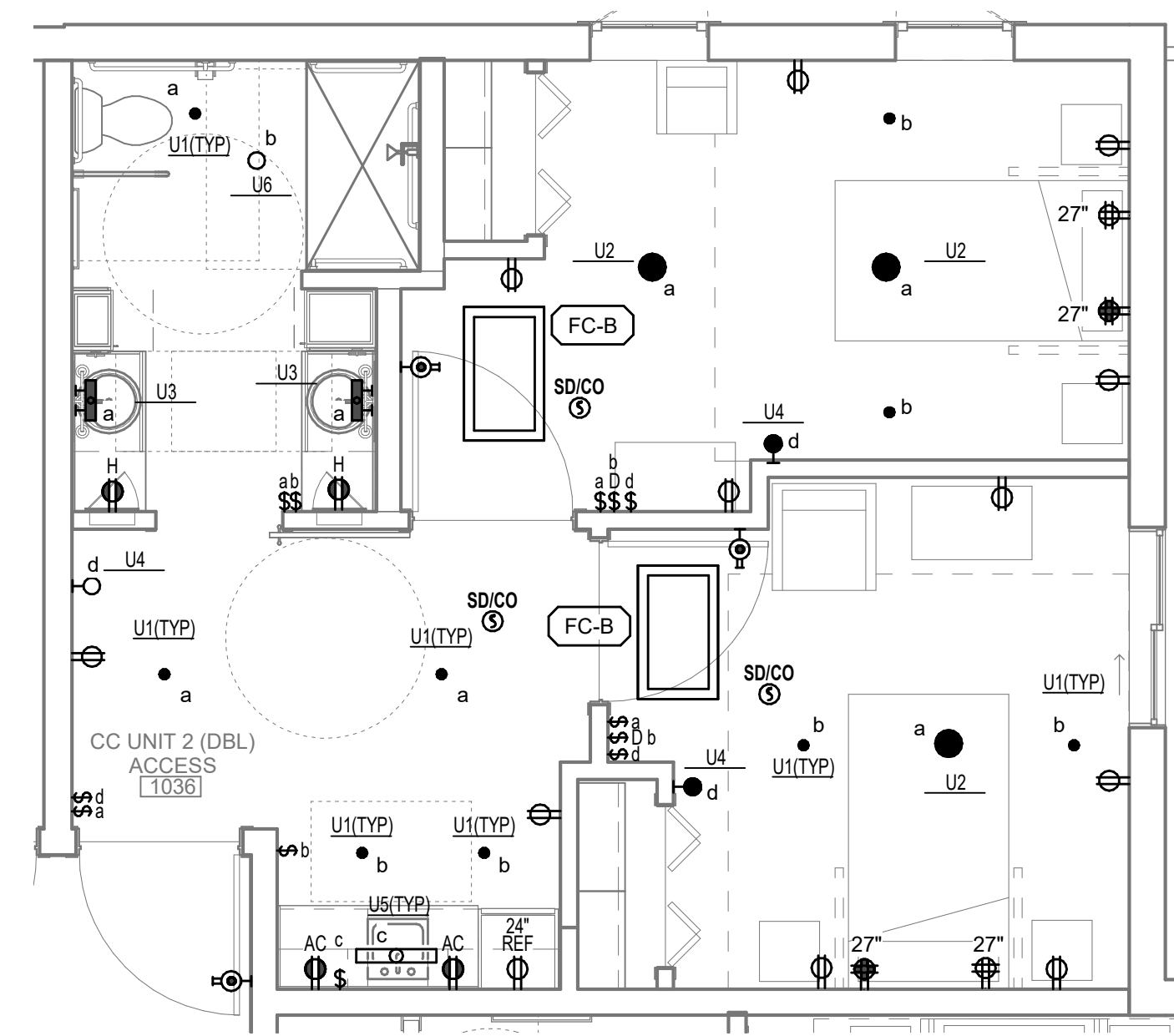


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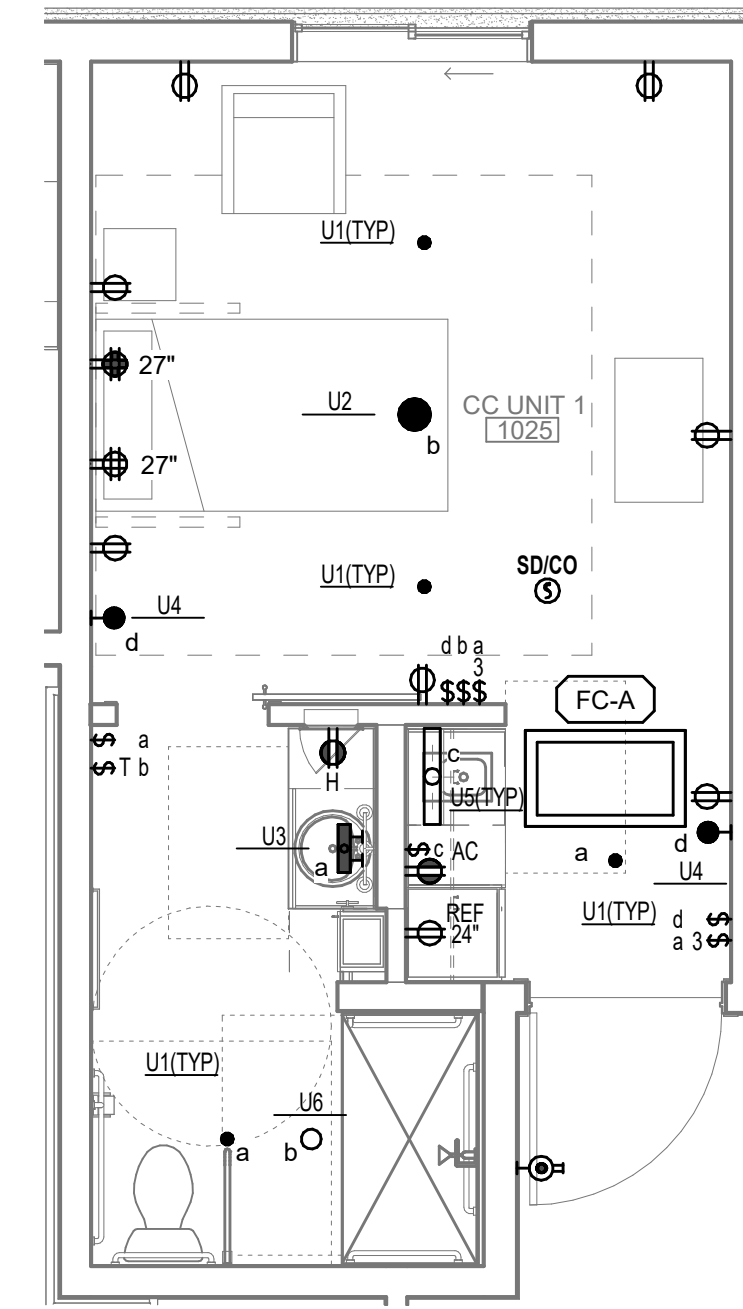
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2 CC UNIT 2 (DBL) ELECTRICAL PLAN  
1/4" = 1'-0"



1 CC UNIT 1 ELECTRICAL PLAN  
1/4" = 1'-0"

**GENERAL ELECTRICAL UNIT NOTES**

- A. CONTRACTOR SHALL COMPLETE ALL UNITS BASED ON TYPICAL UNIT DESIGNS. COORDINATE DEVICE LOCATION BASED ON UNIT MOCK-UP.
- B. CONTRACTOR SHALL COMPARE TYPICAL UNIT DESIGNS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BID. THE QUANTITY & CONDITION OF LIGHT FIXTURES MOST FAVORABLE TO THE OWNER SHALL BE BID.
- C. PER SPECIFICATIONS, CONTRACTOR SHALL PROVIDE ACOUSTICALLY RATED, FLANGED, AIRTIGHT BOXES IN ALL UNIT CORRIDOR WALLS, ALL UNIT PARTY WALLS, ALL UNIT TOP FLOOR CEILINGS, UNIT EXTERIOR WALLS & ALL UNIT FLOOR/CEILING ASSEMBLIES.
- D. AT ALL THROUGH PENETRATIONS AT FIRE-RESISTANCE RATING, PROVIDE APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479. INSTALLATION SHALL HAVE AN F & T RATING OF NOT LESS THAN THE ASSEMBLY BEING PROTECTED.
- E. AT ALL MEMBRANE PENETRATIONS, ELECTRICAL BOX INSTALLATION SHALL COMPLY WITH IBC 713.3.2.
- F. PROVIDE SYSTEM DUAL RELAY SMOKE DETECTORS WITHIN UNITS. PROVIDE CONNECTION BETWEEN SMOKE DETECTOR & NURSE CALL SYSTEM. ACTIVATION SHALL ANNUNCIATE AT THE FAAP & NURSE CALL SYSTEM. REFER TO FIRE ALARM SPECIFICATIONS.
- G. PROVIDE HOSPITAL GRADE RECEPTACLES IN SKILLED NURSING ROOMS.
- H. PROVIDE ARC FAULT/GFCI BREAKERS FOR ALL CIRCUITRY.
- I. SKILLED NURSING ROOMS SHALL HAVE A DUAL RELAY SMOKE DETECTOR. PROVIDE FIRE ALARM CONNECTION TO DOOR CLOSURE VIA THE SMOKE DETECTOR. PROVIDE WIRING TO THE NURSE CALL DOME LIGHT AS REQUIRED FOR PROPER OPERATION.
- J. COORDINATE TV RECEPTACLE HEIGHT WITH ARCHITECT.
- K. PROVIDE RED RECEPTACLES FOR EMERGENCY POWER CIRCUITS. ELECTRICAL CONTRACTOR TO VERIFY WITH ARCHITECT OR OWNER ALL MOUNTING HEIGHTS.

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PHASE 2 - CARE CENTER

ELECTRICAL UNITS  
**E3.0**



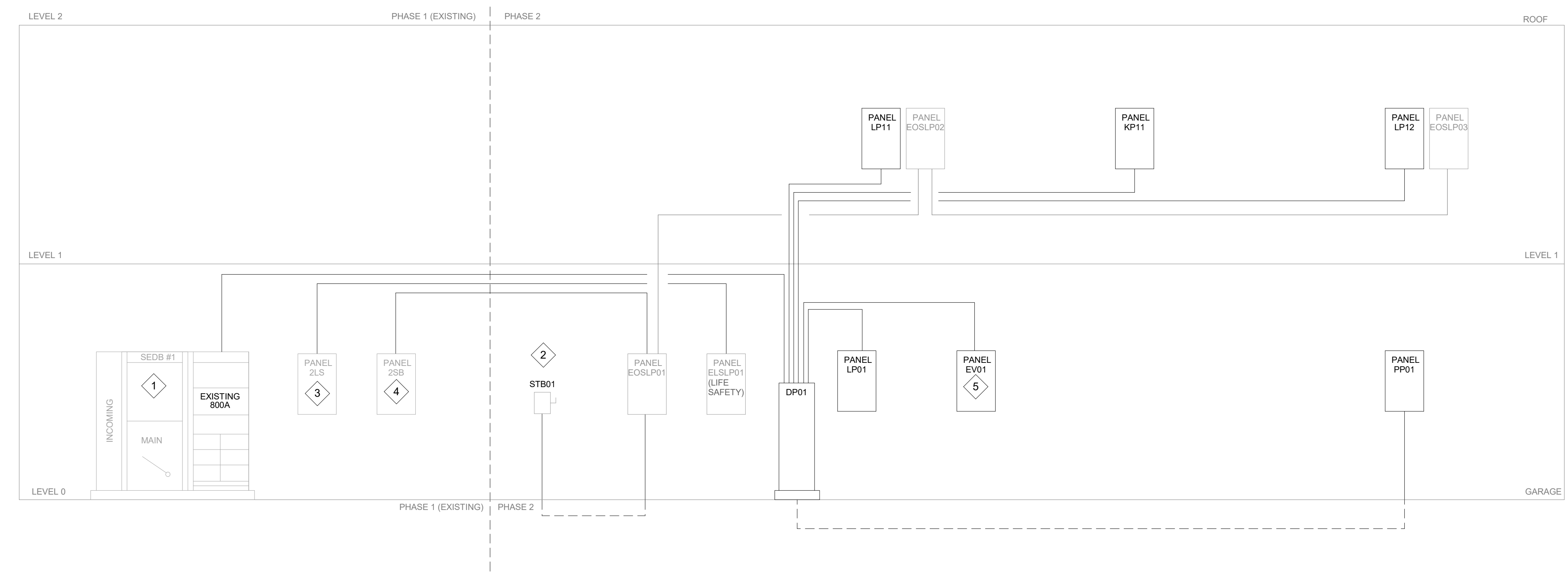
*Richard D. Becker*  
Signature

Richard D. Becker  
Typed or Printed Name

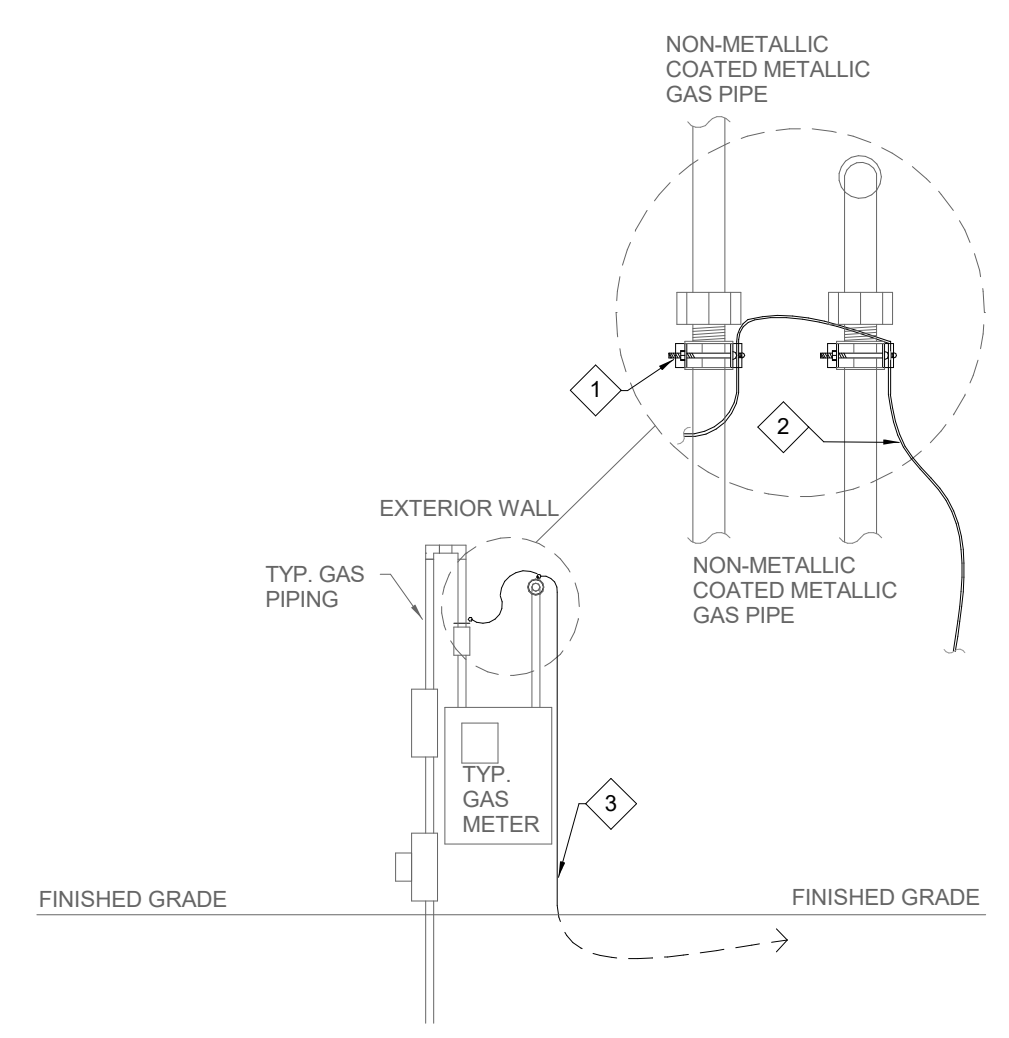
Electrical Discipline  
06/19/23 Date

PANEL NO.	VOLTAGE	MOUNTING	AIC	MAN / RATING	# OF CCTS	BREAKERS DISC REQUIRED	FEEDER FROM	NOTES
EXISTING SWBD (SEDB #1)	120/208V 3PH, 4W	FLOOR	65K	4000A	-	-	-	-
EOSLP01 (OPTIONAL)	120/208V 3PH, 4W	SURFACE	22K	400A	42	SEE SCHEDULES	3-1/2" C. 4#500 & #3 GRD. FROM 2SB	1
ELSLP01 (LIFE SAFETY)	120/208V 3PH, 4W	SURFACE	10K	100A	42	SEE SCHEDULES	3-1/2" C. 4#500 & #3 GRD. FROM 2LS	1
STB01	208V 3PH, 3W	SURFACE	5K	SHUNT-TRIP	-	-	1" C. 3#6 & #10 GRD. FROM 2SB-A	2,4
DP01	120/208V 3PH, 4W	SURFACE	42K	800A	-	SEE SCHEDULES	(2) 3 1/2" C. 4#800 & 1#0 GND. FROM SEDB #1	-
KP11	120/208V 3PH, 4W	RECESSED	22K	200A MLO	42	SEE SCHEDULES	2" C. 4#30 & 1#6 GND. FROM DP01	1
LP01	120/208V 3PH, 4W	SURFACE	10K	400A MLO	84	SEE SCHEDULES	3 1/2" C. 4#500 & #3 GND. FROM DP01	1
PP01	120/208V 3PH, 4W	SURFACE	10K	100A MLO	42	SEE SCHEDULES	1 1/2" C. 4#3 & #8 GND. FROM DP01	1
EV01	120/208V 3PH, 4W	SURFACE	10K	200A MLO	42	SEE SCHEDULES	2" C. 4#30 & 1#6 GND. FROM DP01	1
LP11	120/208V 3PH, 4W	SURFACE	10K	200A	60	SEE SCHEDULES	2" C. 4#30 & #6 GRD. FROM DP01	1
LP12	120/208V 3PH, 4W	SURFACE	10K	200A	60	SEE SCHEDULES	2" C. 4#30 & #6 GRD. FROM DP01	1
EOSLP02	120/208V 3PH, 4W	SURFACE	10K	100A	42	SEE SCHEDULES	1 1/4" C. 4#3 & #8 GRD. FROM EOSLP01	1,3
EOSLP03	120/208V 3PH, 4W	SURFACE	10K	100A	42	SEE SCHEDULES	1 1/4" C. 4#3 & #8 GRD. FROM EOSLP02	1

**DISTRIBUTION SCHEDULE NOTES**  
1. FILL REMAINDER OF PANEL WITH 2011 POLE BREAKERS.  
2. MAKE CONNECTION TO ELEVATOR EQUIPMENT.  
3. PROVIDE FEED-THRU LUGS.  
4. PROVIDE CONNECTION TO ELEVATOR SHUNT-TRIP BY ELEVATOR MANUFACTURER.



**1 ELECTRICAL RISER DIAGRAM**  
NOT TO SCALE



**2 SINGLE METER GAS PIPING BONDING DETAIL**  
NO SCALE

**SINGLE METER GAS PIPING BONDING GENERAL NOTES**

- A. COMPLETE BONDING INSTALLATION SHALL CONFORM TO NFPA-70, NEC-250 AND UL487.
- B. CLAMPS SHALL NOT BE INSTALLED ON NON-METALLIC COATED GAS PIPING.
- C. THE #6 BONDING CONDUCTOR SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.

**SINGLE METER GAS PIPING BONDING SPECIFIC NOTES**

- 1. PROVIDE BONDING CLAMPS FOR GAS PIPE FITTING. INSTALL ON METALLIC NUT OF CONNECTOR AFTER PIPE CONNECTIONS HAVE BEEN MADE & TESTED. CLAMP SHALL BE COMPATIBLE WITH METAL NUT TO PREVENT CORROSION & SHALL ACCEPT A MINIMUM #6 COPPER BONDING CONDUCTOR. STORM COPPER COMPONENTS CO. #W4ED-UPC-GVN-JRD OR EQUAL. TYPICAL.
- 2. PROVIDE MINIMUM #6 BARE COPPER BONDING CONDUCTOR.
- 3. ROUTE BONDING CONDUCTOR FROM MANIFOLD SIDE OF METER DIRECT BURIED TO BUILDING SERVICE GROUND ROD & CLAMP. FIELD VERIFY EXACT ROUTING & LOCATION OF SERVICE GROUND ROD(S).

**GENERAL ELECTRICAL RISER NOTES:**

- A. ELECTRICAL CONTRACTOR TO COORDINATE WITH ELEVATOR MANUFACTURER.
- B. COMMUNICATION CONDUIT RUNS SHALL CONTAIN SWEEPS. 90 DEGREE BENDS ARE NOT ALLOWED.
- C. ALL CONDUIT SLEEVE SIZES & LOCATIONS TO BE VERIFIED WITH LOW VOLTAGE SUPPLIERS.
- D. ELECTRICAL CONTRACTOR TO COORDINATE LOW VOLTAGE CONDUITS WITH SUPPLIER. PROVIDE RACEWAYS AS REQUIRED.

**SPECIFIC ELECTRICAL RISER NOTES:**

- 1. EXISTING LODGE SWITCHBOARD.
- 2. PROVIDE SHUNT-TRIP CIRCUIT BREAKER FOR ELEVATOR. VERIFY WITH ELEVATOR MANUFACTURER EXACT LOCATION.
- 3. EXISTING LIFE SAFETY PANELBOARD FROM THE LODGE ELECTRICAL ROOM. FIELD VERIFY. PROVIDE A 100A/3PH FEEDER & CIRCUIT BREAKER FROM PANEL 2LS TO ELSLP01.
- 4. EXISTING OPTIONAL PANELBOARD FROM THE LODGE ELECTRICAL ROOM. FIELD VERIFY. PROVIDE A 400A/3PH FEEDER & CIRCUIT BREAKER FROM PANEL 2SB TO EOSLP01.
- 5. PROVIDE LABEL 'CAR CHARGING PANEL'.

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PHASE 2 - CARE CENTER**  
707 39TH AVENUE SE  
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PERMIT SET  
October 16, 2023

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ISA202201  
PROJECT NUMBER  
DJL JLA  
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WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER

ELECTRICAL RISERS  
**E4.0**











*Mark R. Breneman*  
Signature

Mark R. Breneman  
Type of Printed Name

Mechanical 06/19/23  
Discipline Date

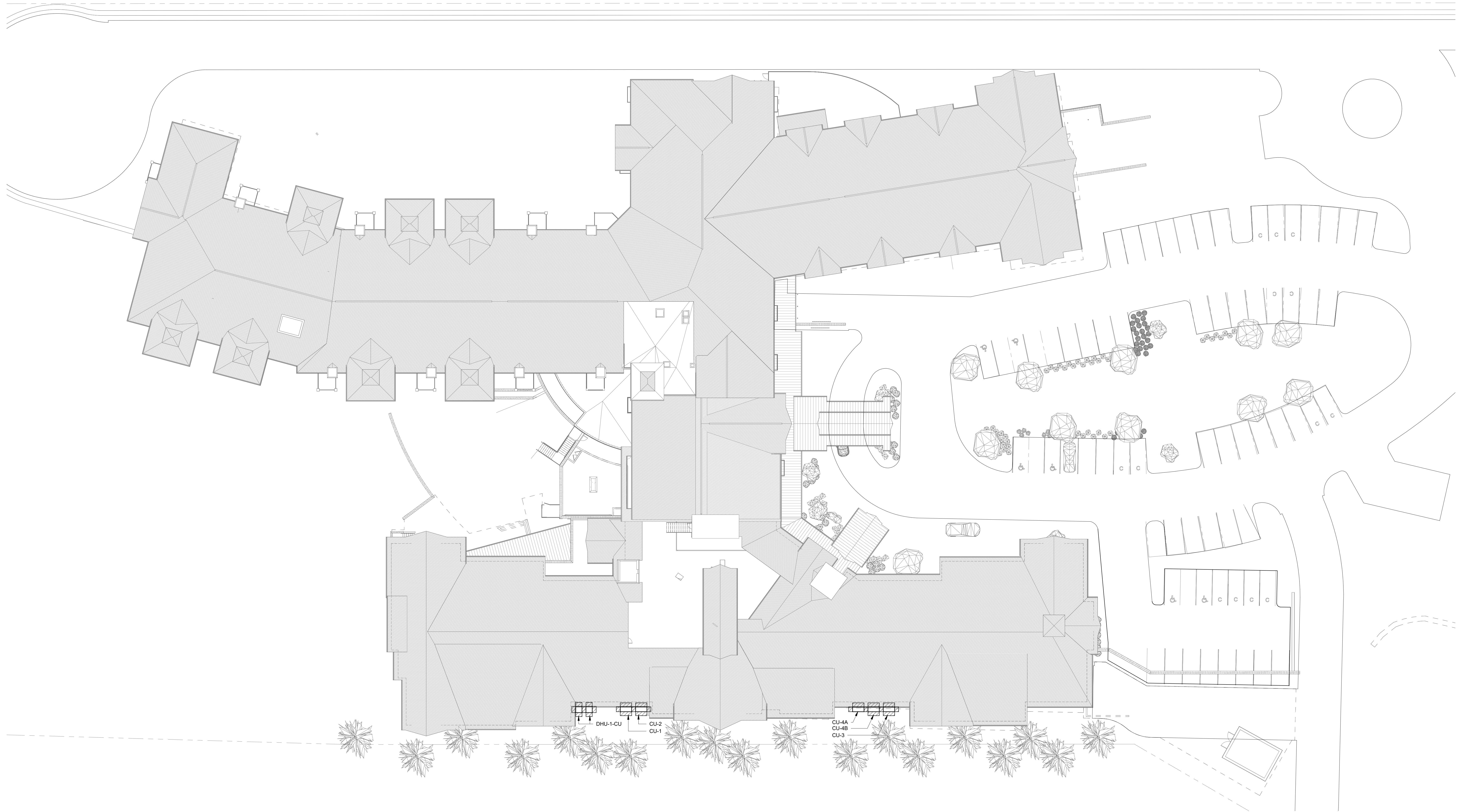
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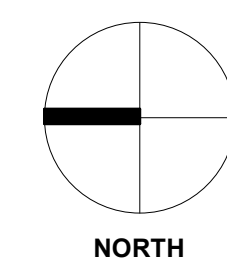
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No. Description Date

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PHASE 2 - CARE CENTER

MECHANICAL SITE PLAN  
**M0.1**



① MECHANICAL SITE PLAN  
1" = 20'-0"





*Mark R. Breneman*  
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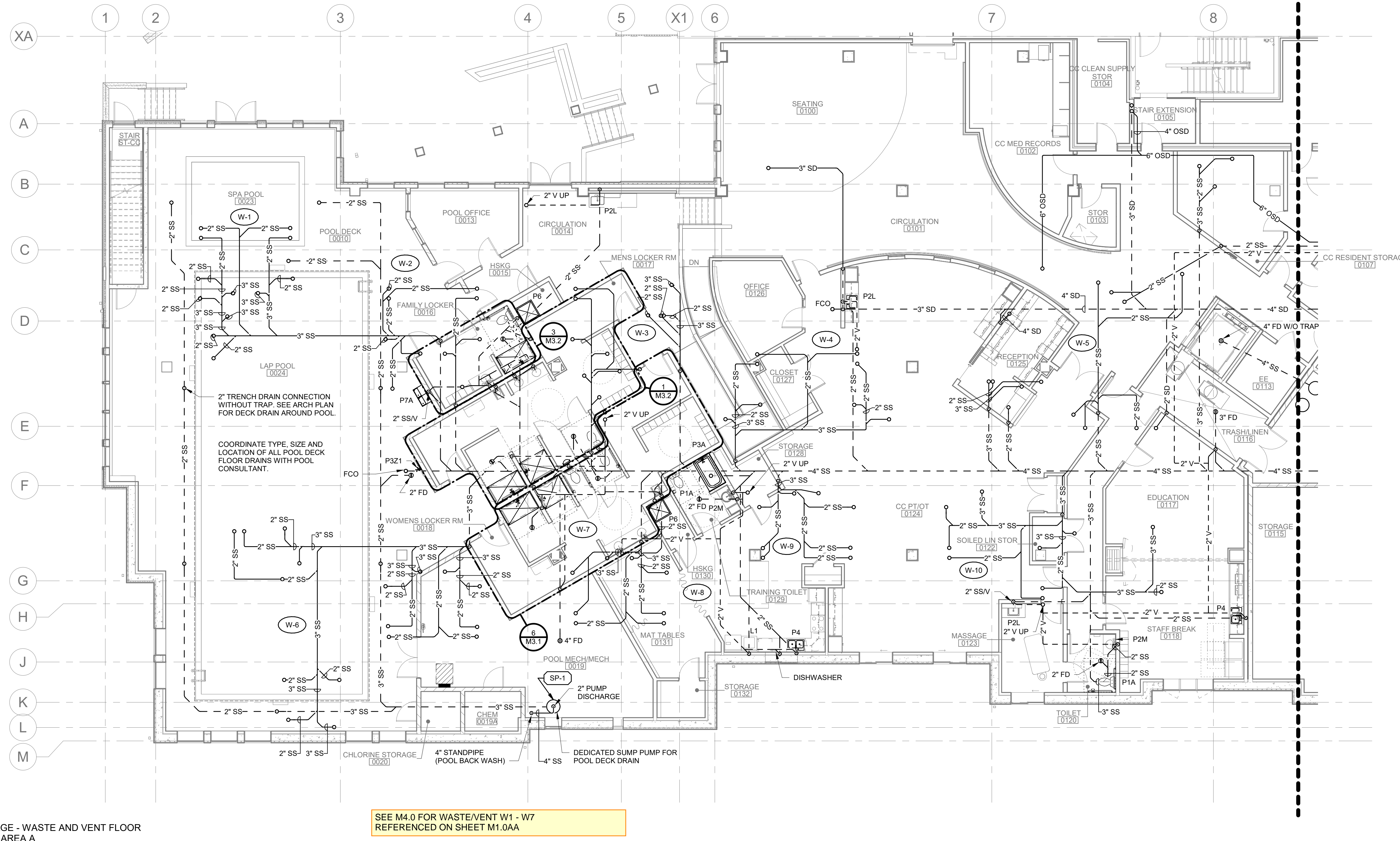
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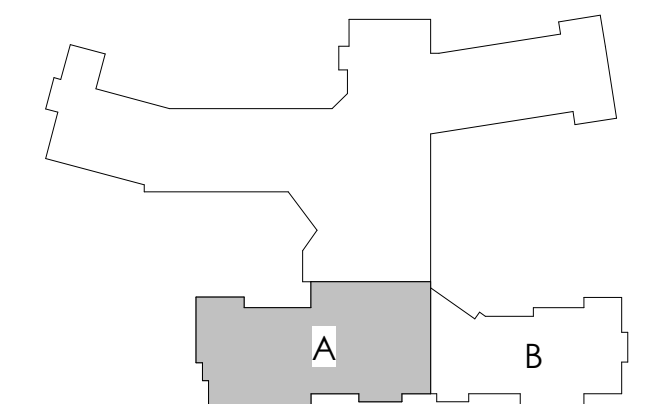
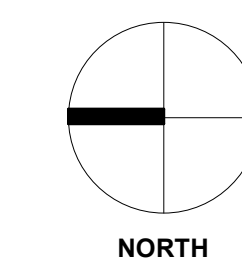
GARAGE WASTE & VENT  
PLAN AREA A

**M1.0AA**



1 GARAGE - WASTE AND VENT FLOOR  
PLAN AREA A  
1/8" = 1'-0"

SEE M4.0 FOR WASTE/VENT W1 - W7  
REFERENCED ON SHEET M1.0AA



REFER TO SHEET M0.0 FOR NOTES



*Mark R. Breneman*  
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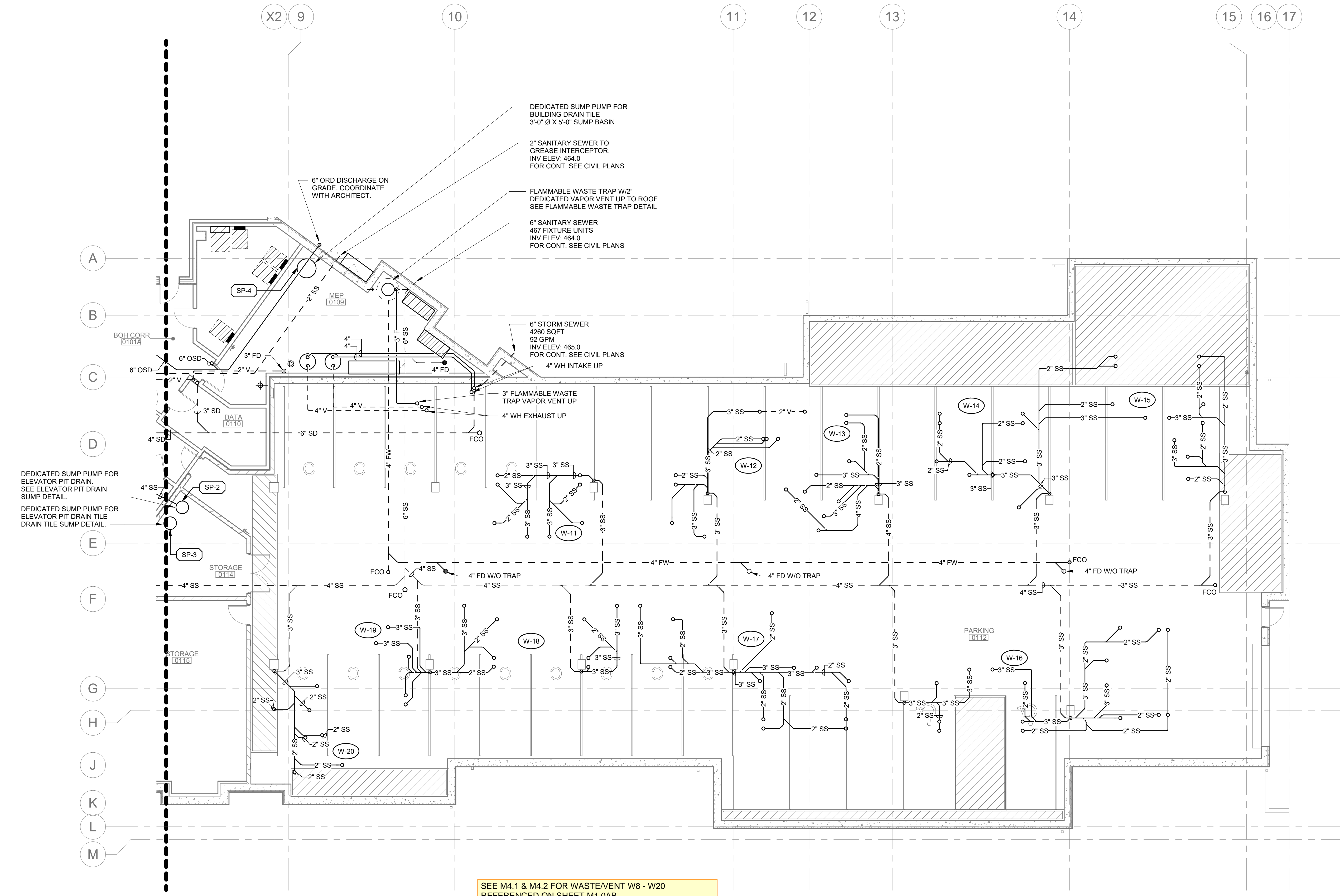
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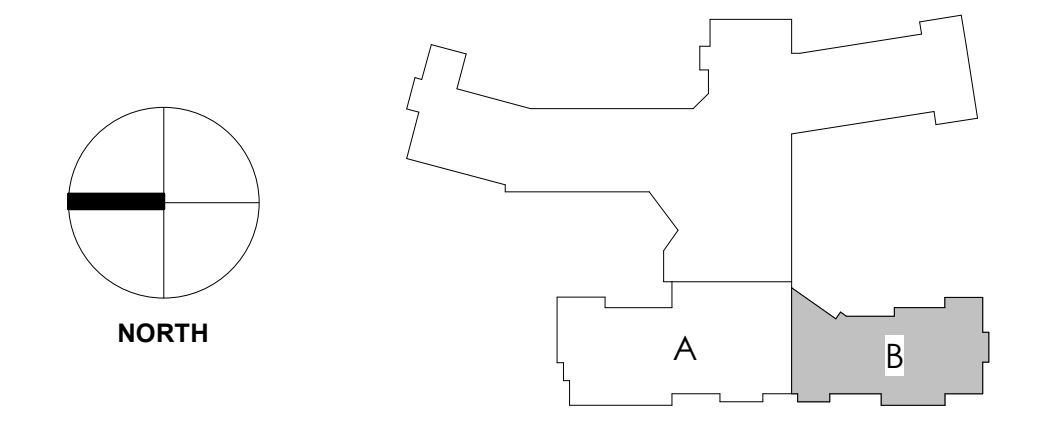
GARAGE WASTE & VENT  
PLAN AREA B

**M1.0AB**



1 GARAGE - WASTE AND VENT FLOOR  
PLAN AREA B  
1/8" = 1'-0"

SEE M4.1 & M4.2 FOR WASTE/VENT W8 - W20  
REFERENCED ON SHEET M1.0AB



REFER TO SHEET M0.0 FOR NOTES



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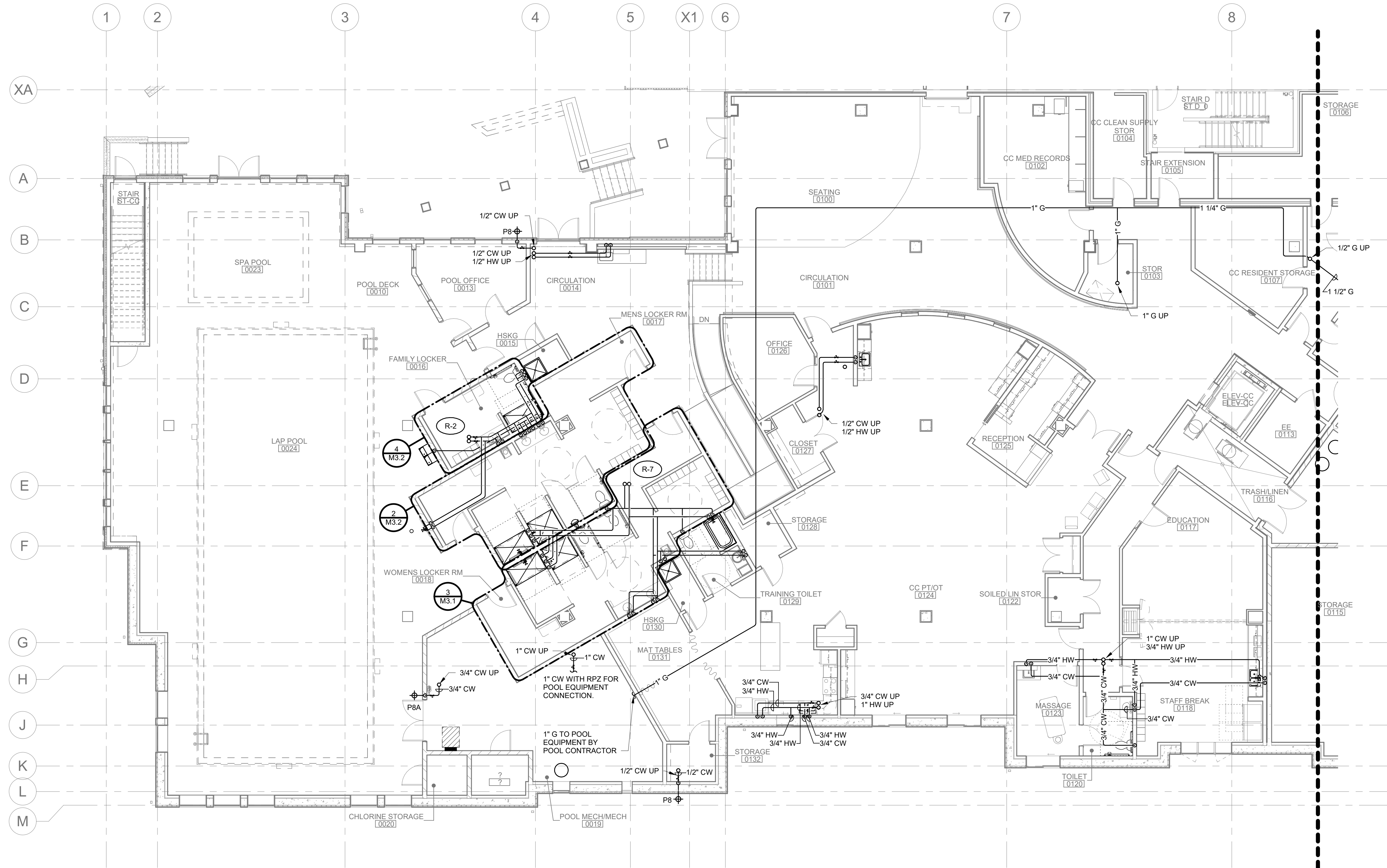
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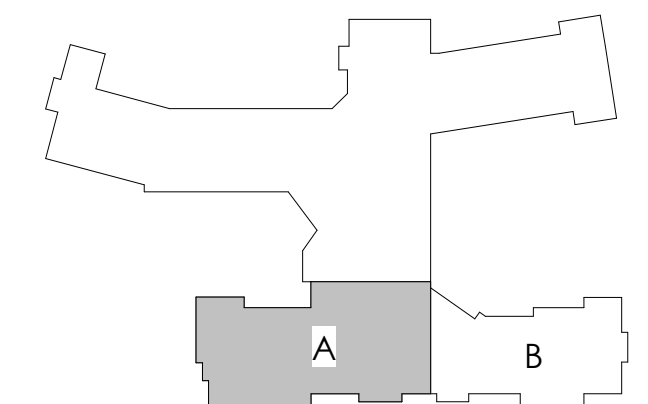
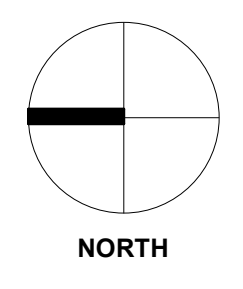
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GARAGE WATER & GAS  
PLAN AREA A

**M1.0BA**



GARAGE - WATER AND GAS FLOOR  
PLAN AREA A  
1/8" = 1'-0"



REFER TO SHEET M0.0 FOR NOTES



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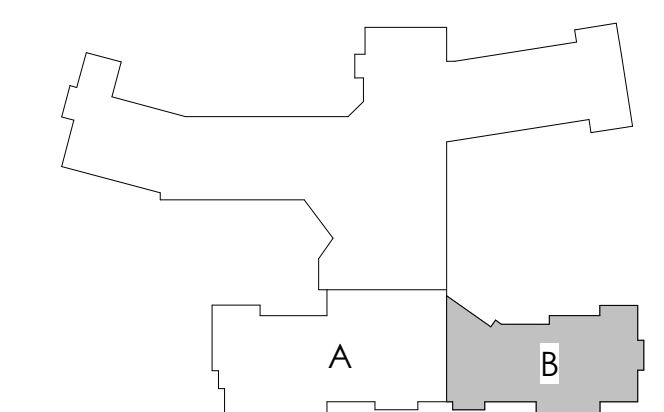
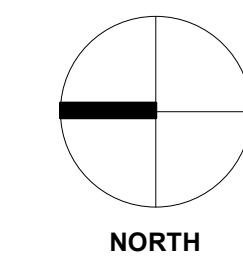
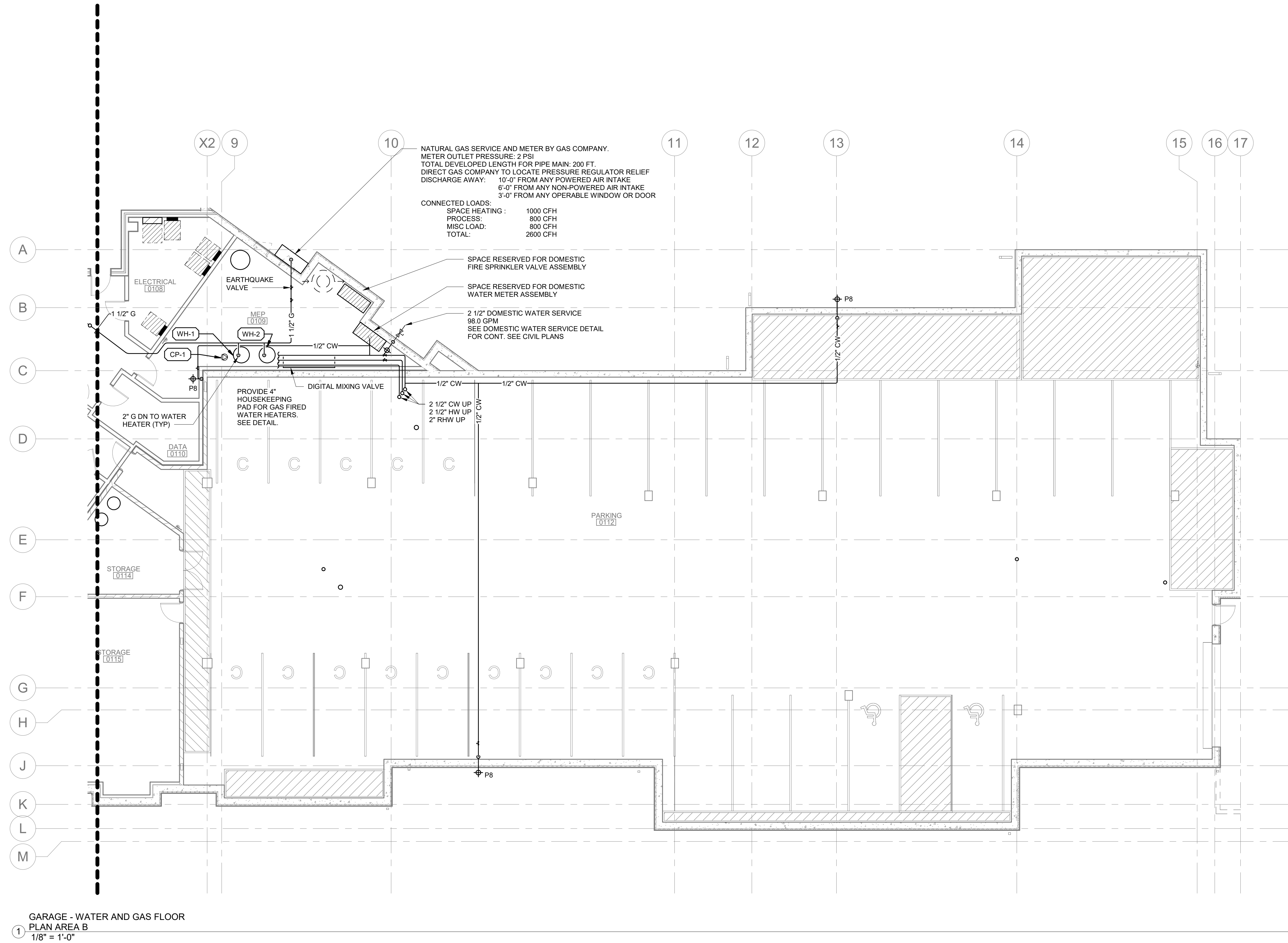
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GARAGE WATER & GAS  
PLAN AREA B

**M1.0BB**



REFER TO SHEET M0.0 FOR NOTES



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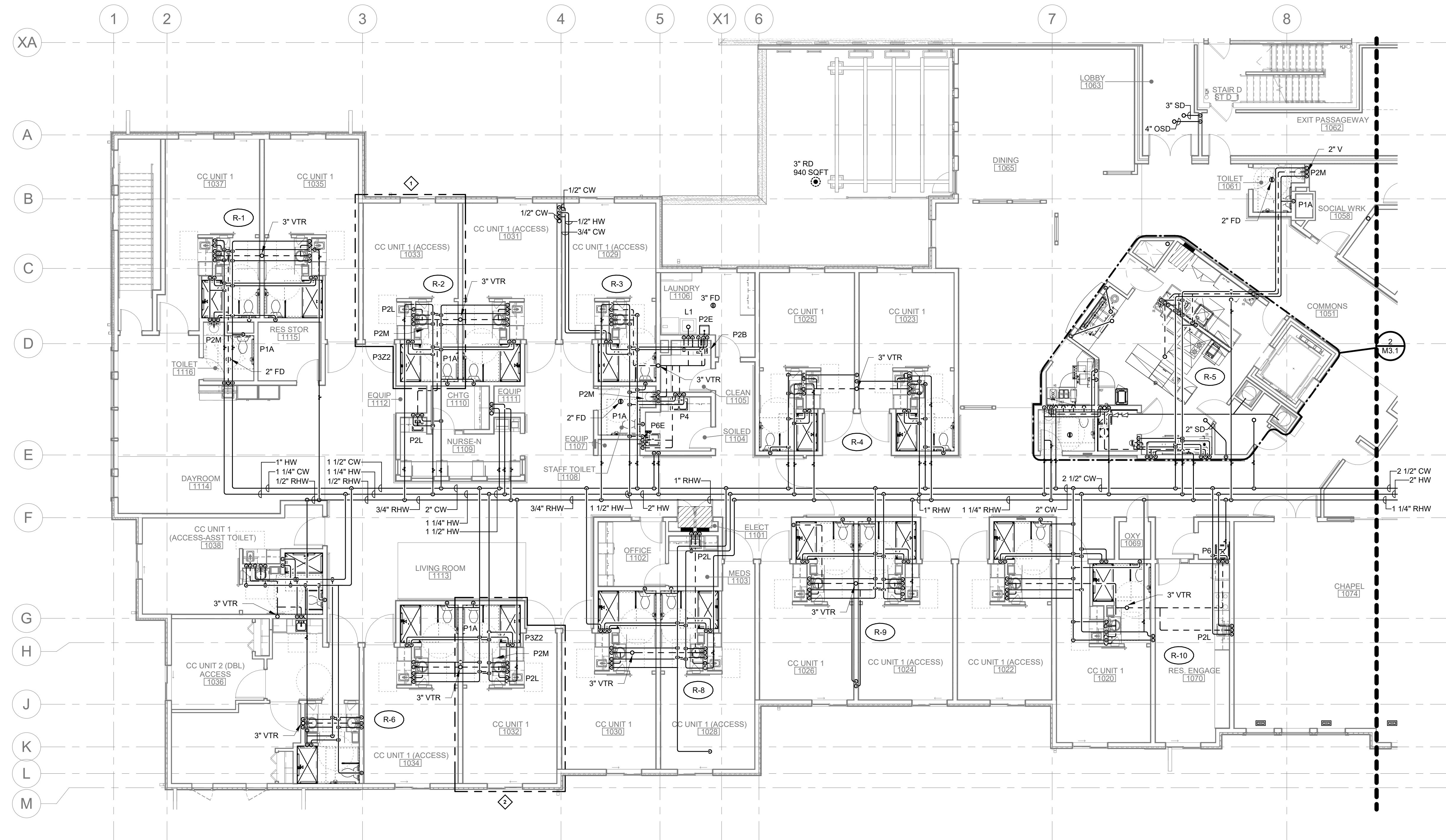
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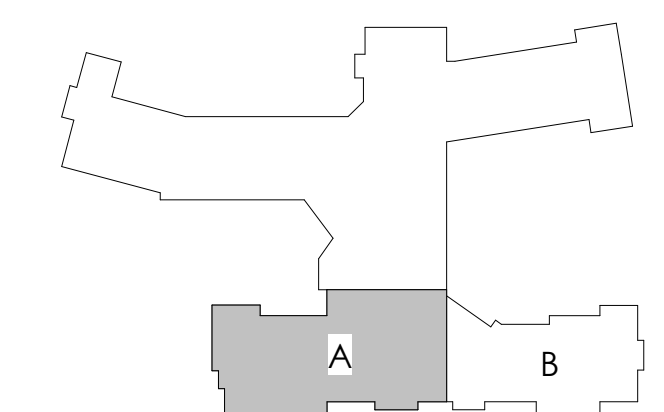
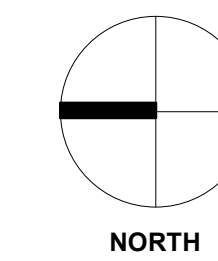
LEVEL 1 PLUMBING PLAN  
AREA A

**M1.1A**



LEVEL 1 - PLUMBING FLOOR PLAN AREA  
1/8" = 1'-0"

SEE M4.3 FOR PLUMBING RISERS R1 - R7  
REFERENCED ON SHEET M1.1A



REFER TO SHEET M0.0 FOR NOTES



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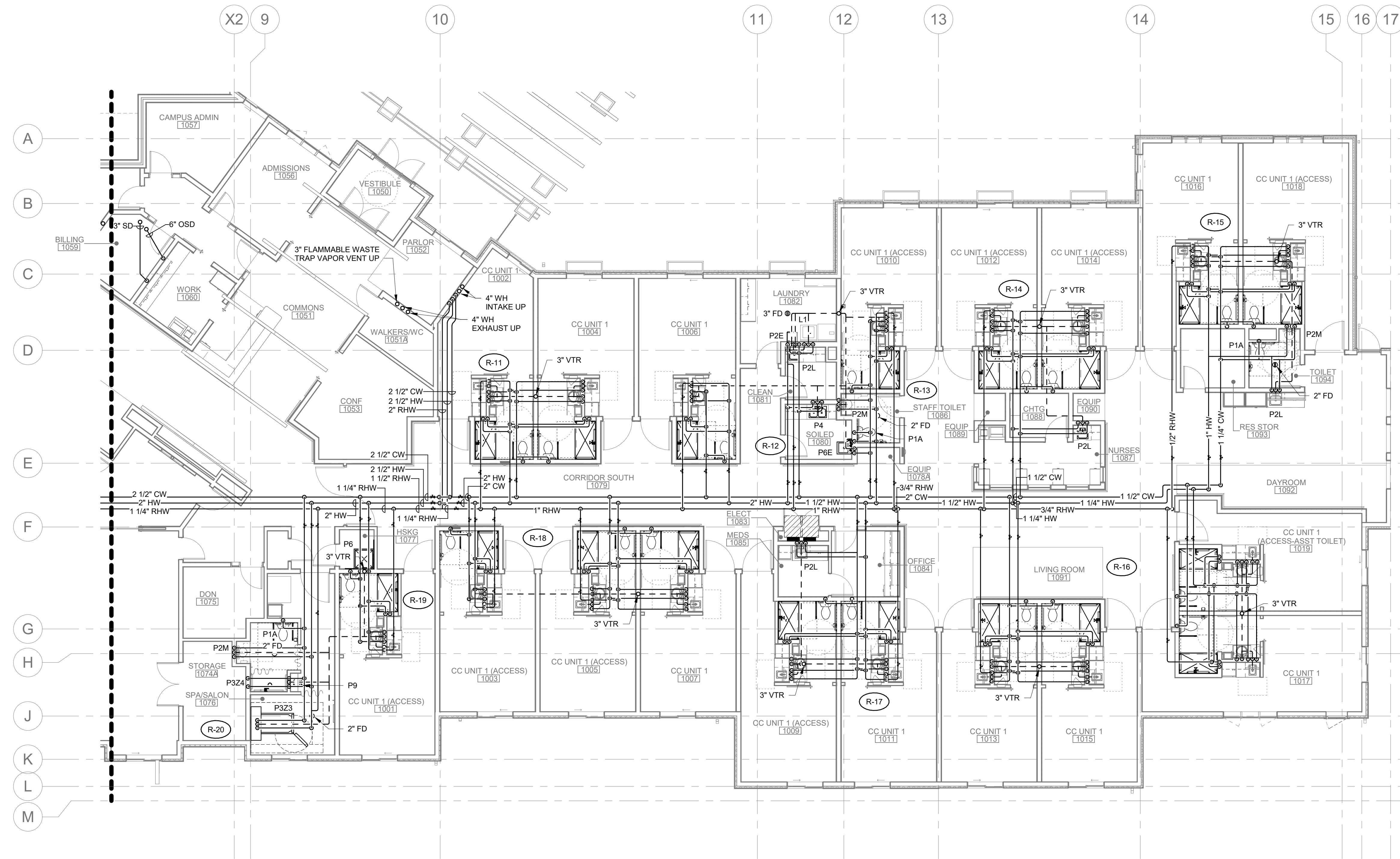
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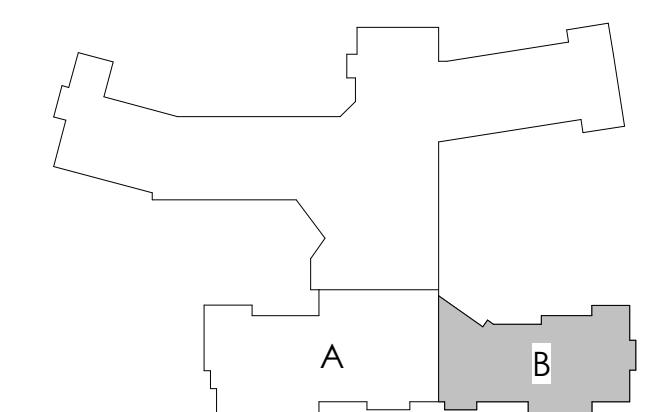
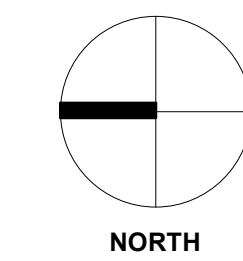
REVISIONS

No.	Description	Date



LEVEL 1 - PLUMBING FLOOR PLAN AREA  
B  
1/8" = 1'-0"

SEE M4.4 & M4.5 FOR PLUMBING RISERS R8 - R15  
REFERENCED ON SHEET M1.1A



REFER TO SHEET M0.0 FOR NOTES

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LEVEL 1 PLUMBING PLAN  
AREA B  
**M1.1B**





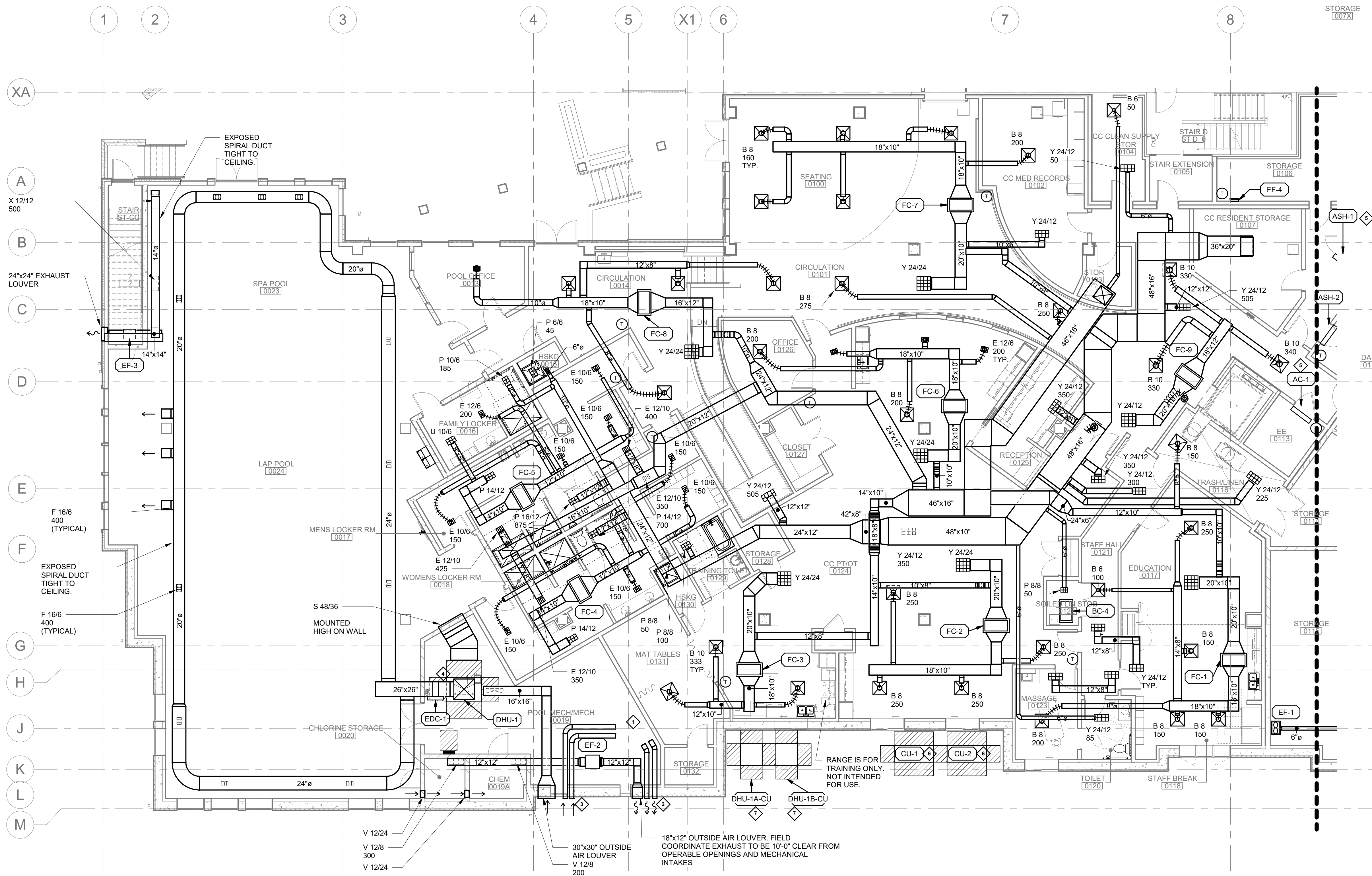
*Mark R. Breneman*  
Signature

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1 GARAGE - HVAC FLOOR PLAN AREA A  
1/8" = 1'-0"

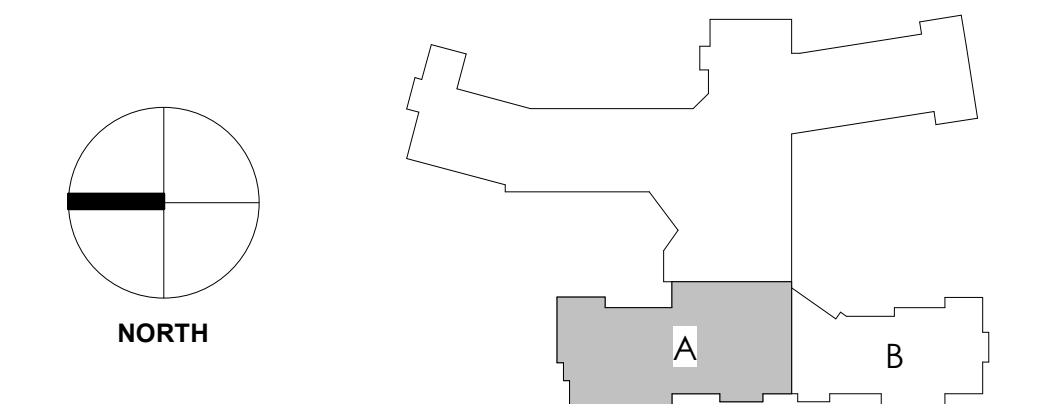
- KEY NOTES:**
- ◆ POOL AND SPA EQUIPMENT (PROVIDED BY OTHERS).
  - ◆ HORIZONTAL FLUE VENT HOOD. INSTALL EXHAUST MINIMUM 10' FROM OPERABLE OPENINGS AND MECHANICAL AIR INTAKES.
  - ◆ SPA/POOL EQUIPMENT COMBUSTION AIR DUCT INTAKE. CONNECT TO POOL EQUIPMENT AND VERIFY INTAKE SIZE WITH FINAL POOL CONTRACTOR SHOP DRAWINGS. INSTALL 18" MINIMUM FROM EXHAUST OUTLETS.
  - ◆ POOL DEHUMIDIFICATION UNIT SHALL BE INSTALLED ON 4" CONCRETE PAD OR APPROVED HOUSEKEEPING PAD EQUIVALENT.
  - ◆ INSTALL INDOOR AIR CONDITIONER UNIT OR INDOOR HEAT PUMP ABOVE ENTRY DOOR.
  - ◆ VRF OUTDOOR CONDENSING UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.
  - ◆ POOL REMOTE AIR-COOLED CONDENSER UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.

- SHEET NOTES:**
- 1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS) ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.

REVISIONS

No.	Description	Date

ISA202201  
PROJECT NUMBER  
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WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER  
GARAGE HVAC PLAN  
AREA A



REFER TO SHEET M0.0 FOR NOTES

**M2.0A**



*Mark R. Breneman*  
Signature

Mark R. Breneman  
Typed or Printed Name

Mechanical Discipline 06/19/23 Date

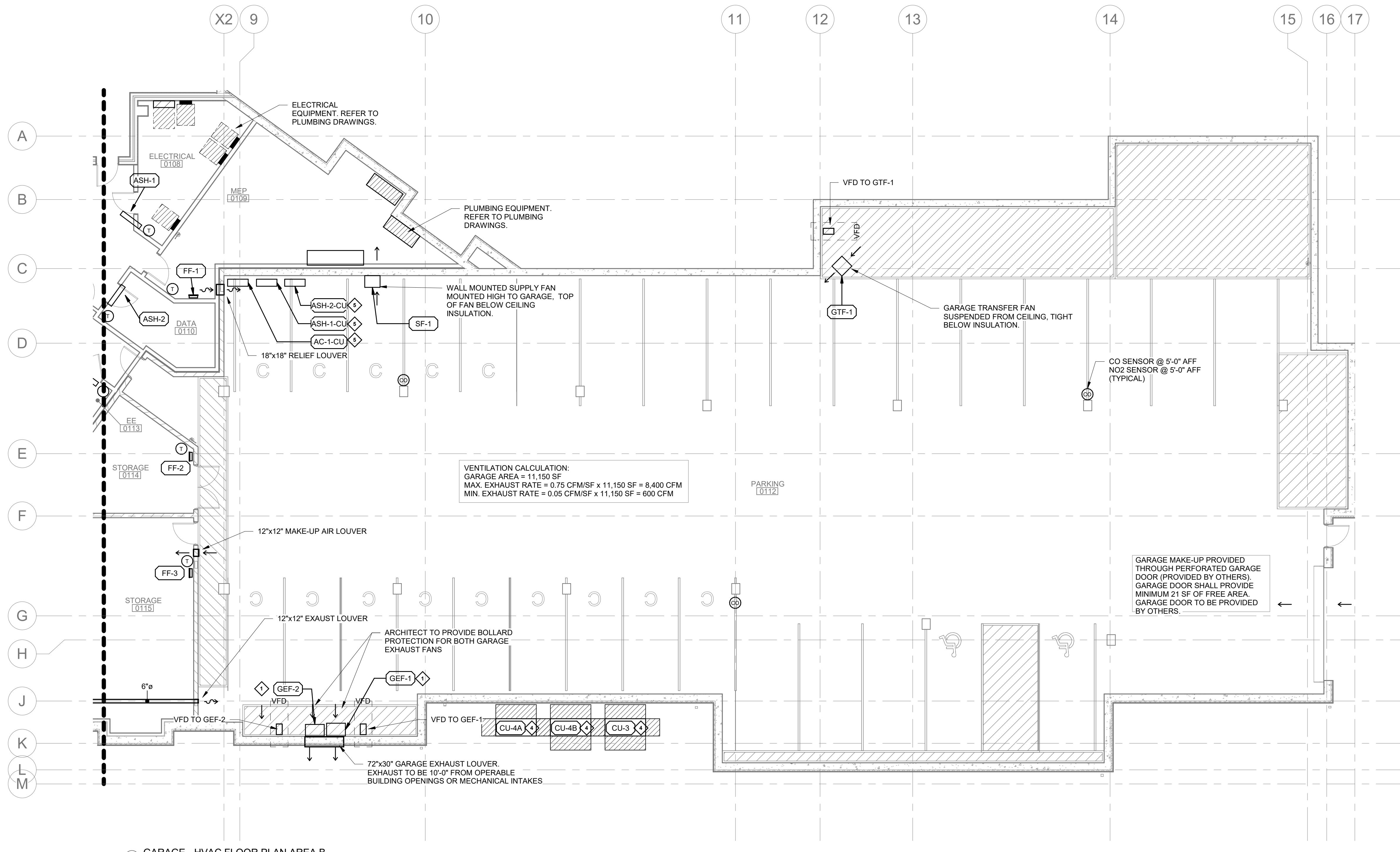
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PHASE 2 - CARE CENTER  
GARAGE HVAC PLAN  
AREA B

**M2.0B**



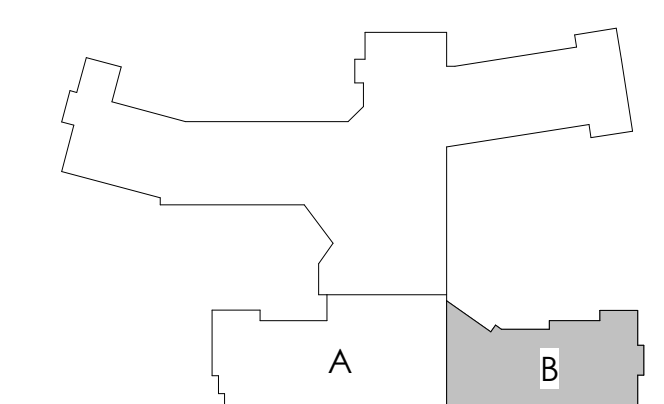
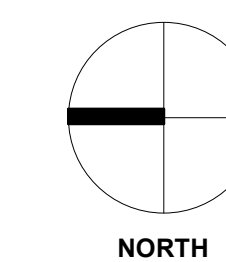
1 GARAGE - HVAC FLOOR PLAN AREA B  
1/8" = 1'-0"

KEY NOTES:

- ◆ MOUNT BOTTOM OF GARAGE EXHAUST FANS 12" ABOVE FINISHED FLOOR. PROVIDE FAN METAL HOUSING.
- ◆ MECHANICAL OUTSIDE AIR DUCT. REFER TO FLOOR PLANS FOR CONTINUATION.
- ◆ CONNECT OUTSIDE AIR DUCT TO FAN COIL INLET.
- ◆ VRF OUTDOOR CONDENSING UNIT. INSTALL ON LEVEL CONCRETE PAD OR APPROVED HOUSEKEEPING PAD.
- ◆ HEAT PUMPS SUSPENDED FROM CEILING. REFER TO HEAT PUMP MOUNTING DETAIL 2 ON M5.0

SHEET NOTES:

- 1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS) ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.



REFER TO SHEET M0.0 FOR NOTES



*Mark R. Brennan*  
Signature

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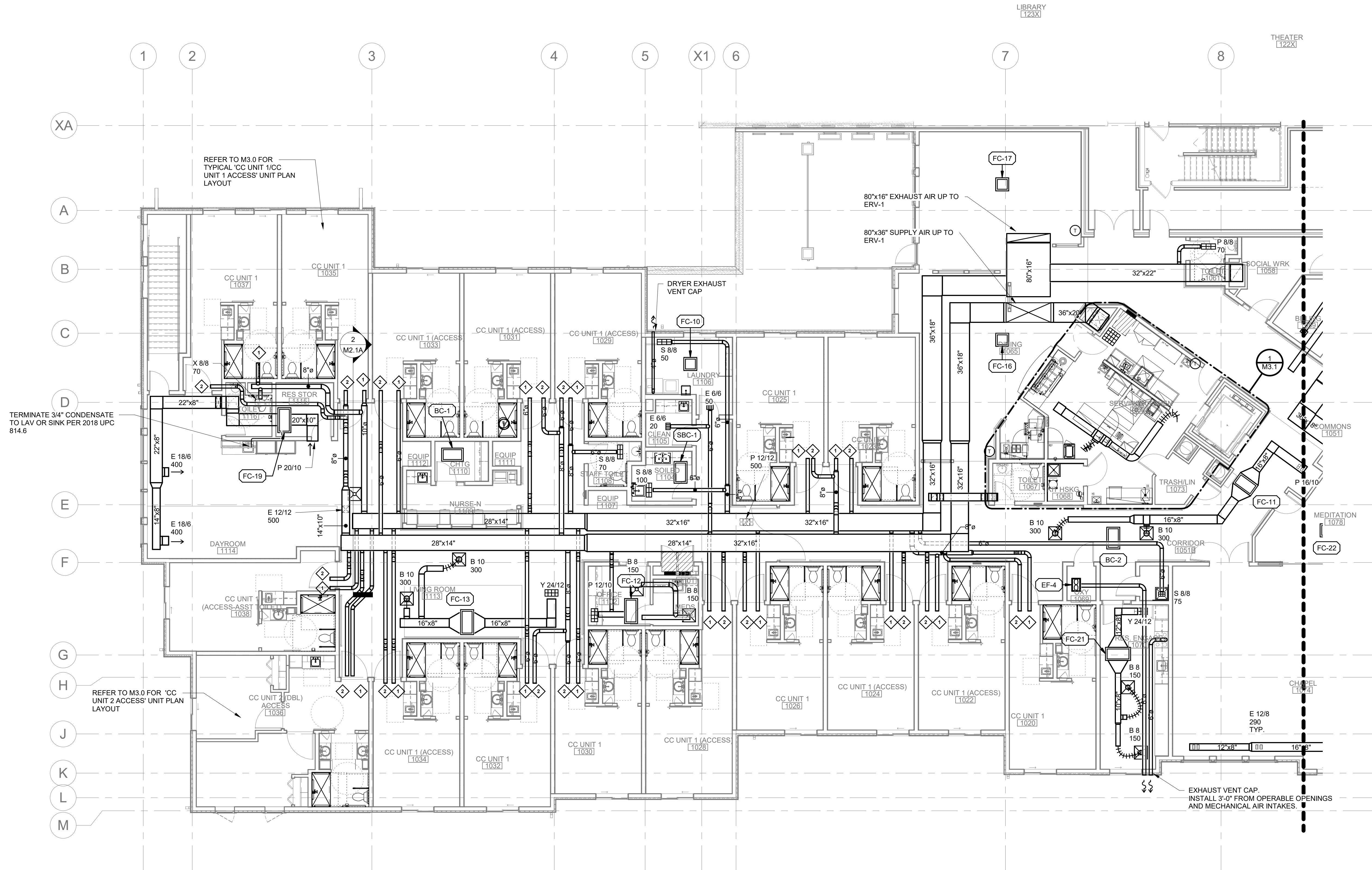
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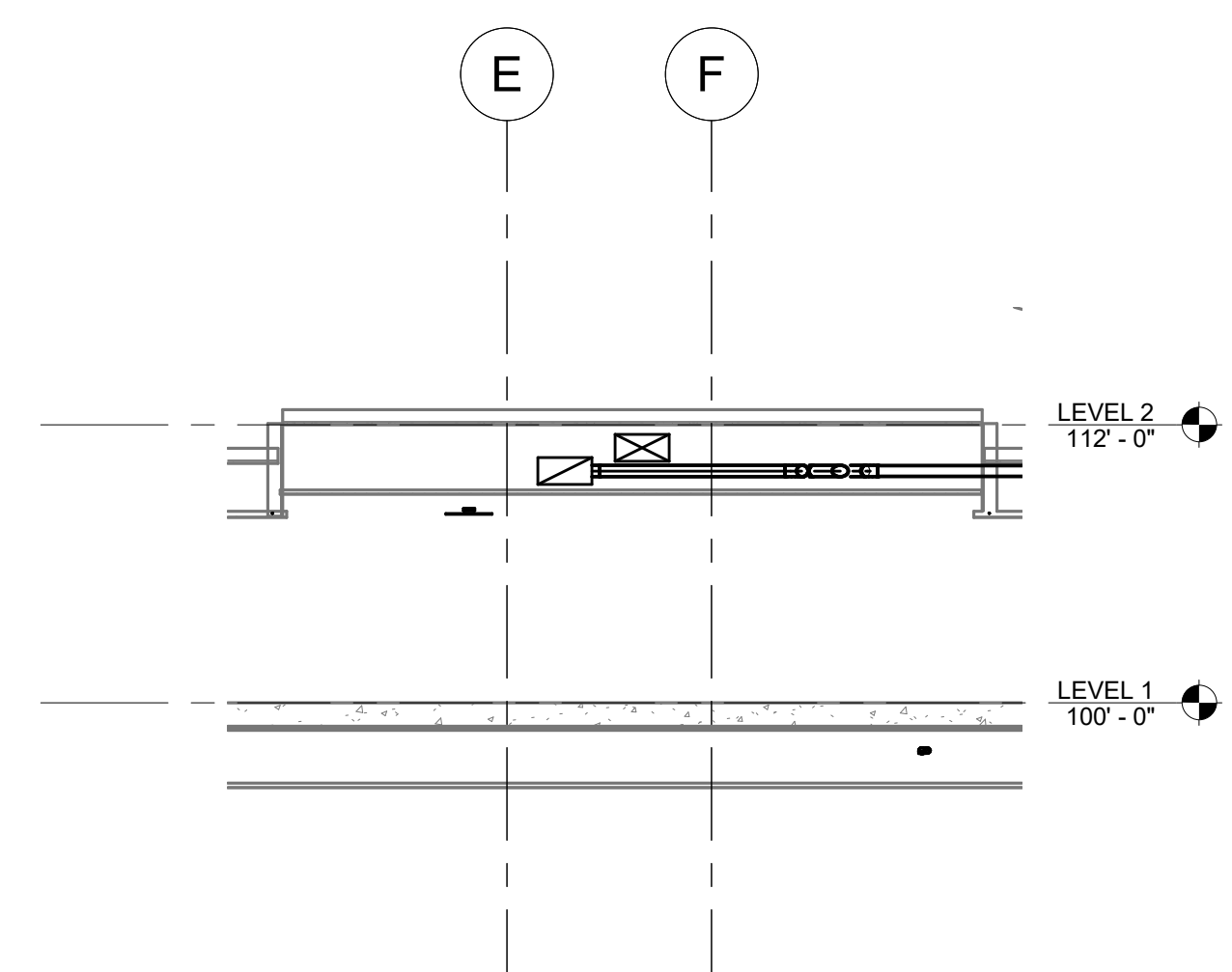
WESLEY BRADLEY PARK  
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LEVEL 1 HVAC PLAN AREA  
A

**M2.1A**



1 LEVEL 1 - HVAC FLOOR PLAN AREA A  
1/8" = 1'-0"



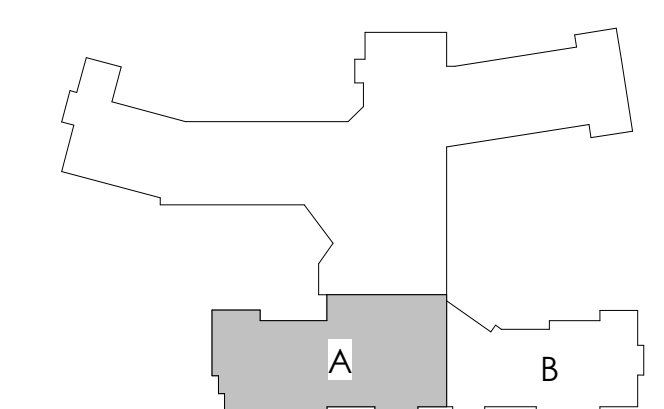
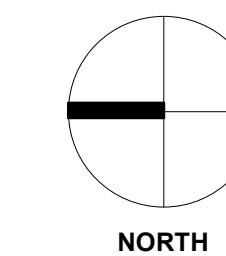
2 HVAC CORRIDOR - NORTH  
1/8" = 1'-0"

KEY NOTES:

- ◇ 6" DIA. EXHAUST DUCT SERVING BATHROOM. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.
- ◇ 6" DIA. OUTSIDE AIR DUCT FROM CORRIDOR. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.

SHEET NOTES:

1. VRF EQUIPMENT (BC/SUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS) ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.



REFER TO SHEET M0.0 FOR NOTES



*Mark R. Breneman*  
Signature

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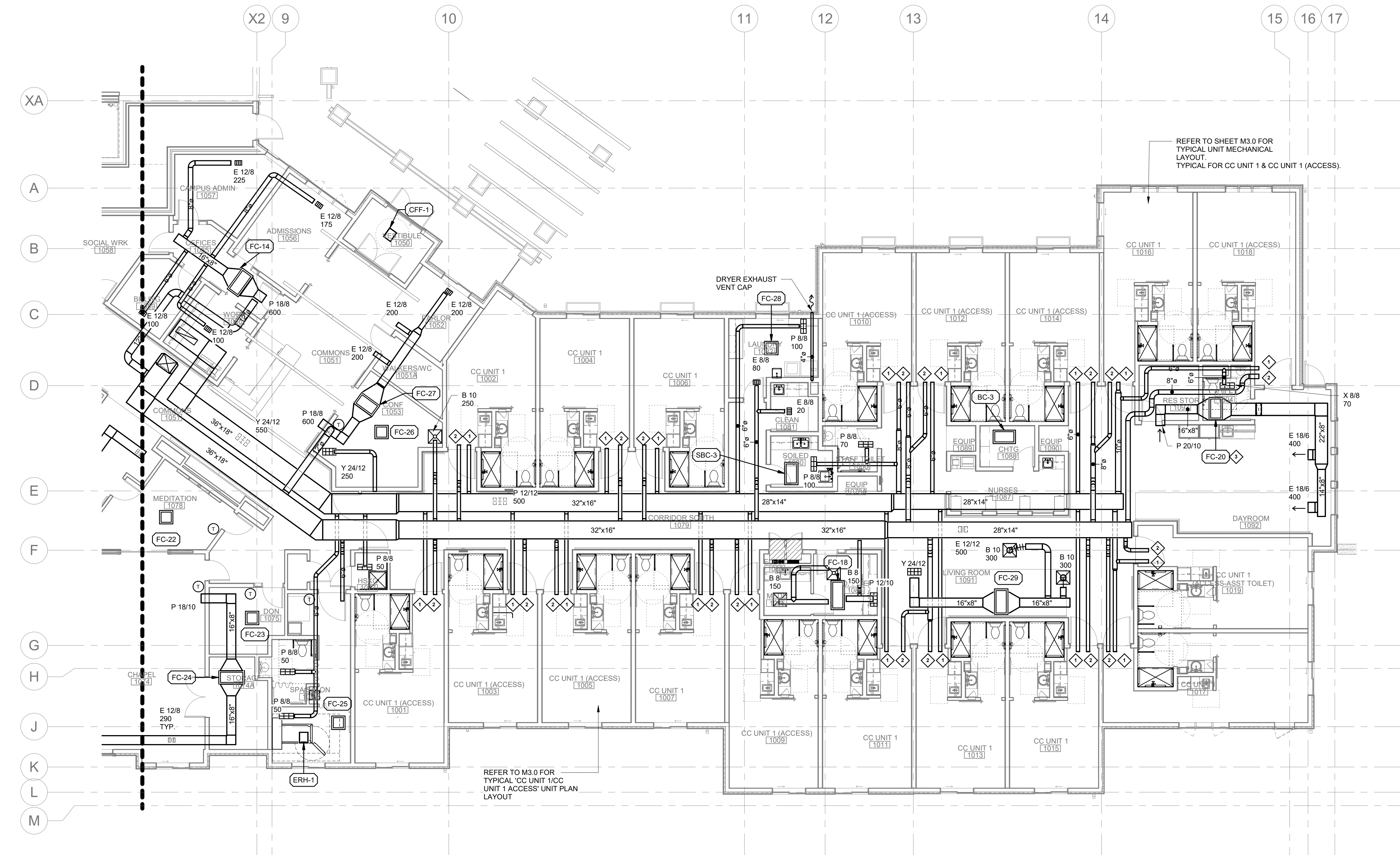
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LEVEL 1 HVAC PLAN AREA  
B

**M2.1B**



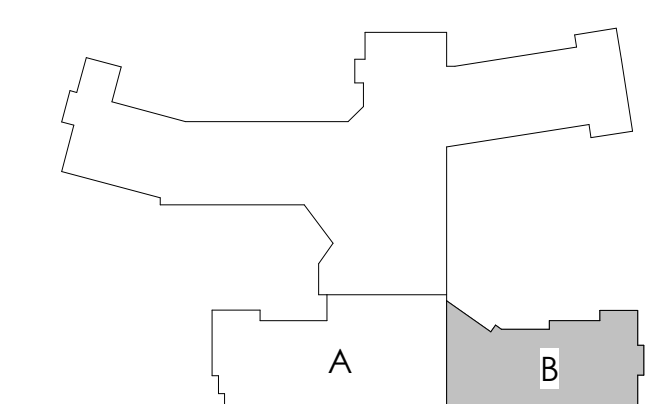
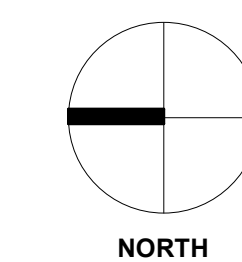
1 LEVEL 1 - HVAC FLOOR PLAN AREA B  
1/8" = 1'-0"

**KEY NOTES:**

- ◇ 6" DIA. EXHAUST DUCT SERVING BATHROOM. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.
- ◇ 6" DIA. OUTSIDE AIR DUCT FROM CORRIDOR. REFER TO TYPICAL UNIT PLAN 'CC UNIT 1' ON M3.0 FOR CONTINUATION.
- ◇ TERMINATE 3/4" CONDENSATE TO DAYROOM 1092 SINK PER 2018 UPC 814.6

**SHEET NOTES:**

- 1 VRF EQUIPMENT (BOSUB-BC CONTROLLERS, OUTDOOR CONDENSING UNITS, INDOOR FAN COIL UNITS) ARE SHOWN ON FLOOR PLANS. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR ADDITIONAL INFORMATION.



REFER TO SHEET M0.0 FOR NOTES



*Mark R. Breneman*  
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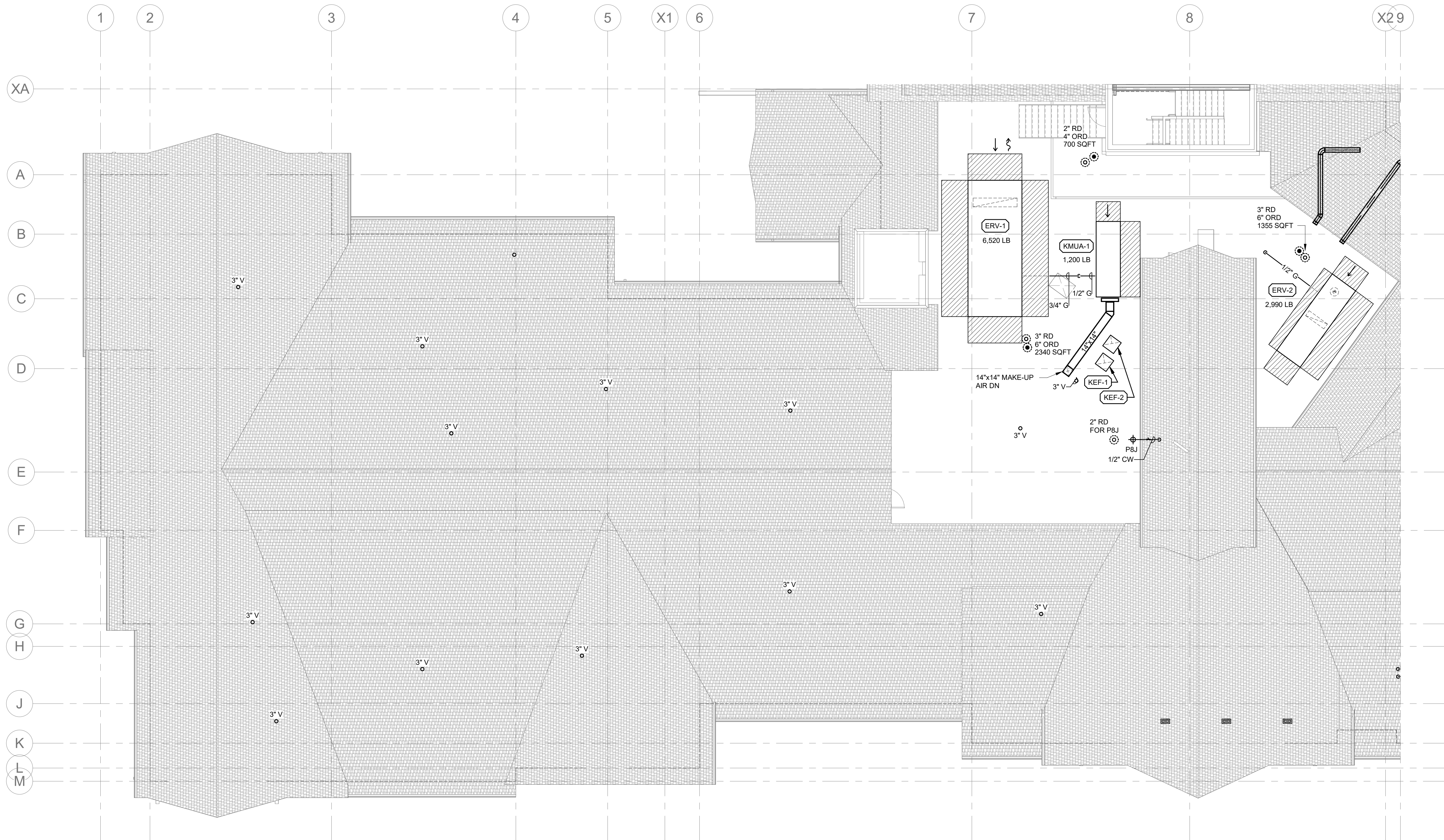
Mark R. Breneman  
Type of Printed Name

Mechanical 06/19/23  
Discipline Date

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707 39TH AVENUE SE  
PUYALLUP, WA 98374

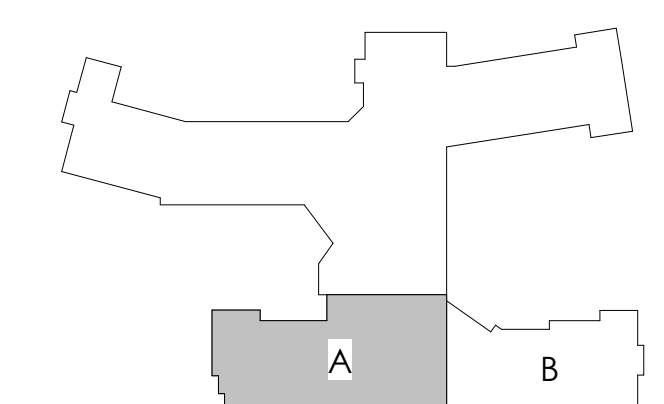
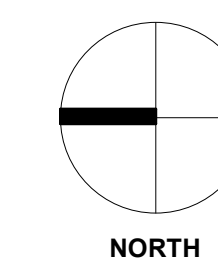
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1 MECHANICAL ROOF PLAN AREA A  
1/8" = 1'-0"

**SHEET NOTES:**  
1. EXHAUST VENTS/OUTLETS SHALL BE  
LOCATED 10'-0" CLEAR OF MECHANICAL  
AIR INTAKES.



REFER TO SHEET M0.0 FOR NOTES

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MECHANICAL ROOF  
PLAN AREA A

**M2.2A**



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Discipline Date

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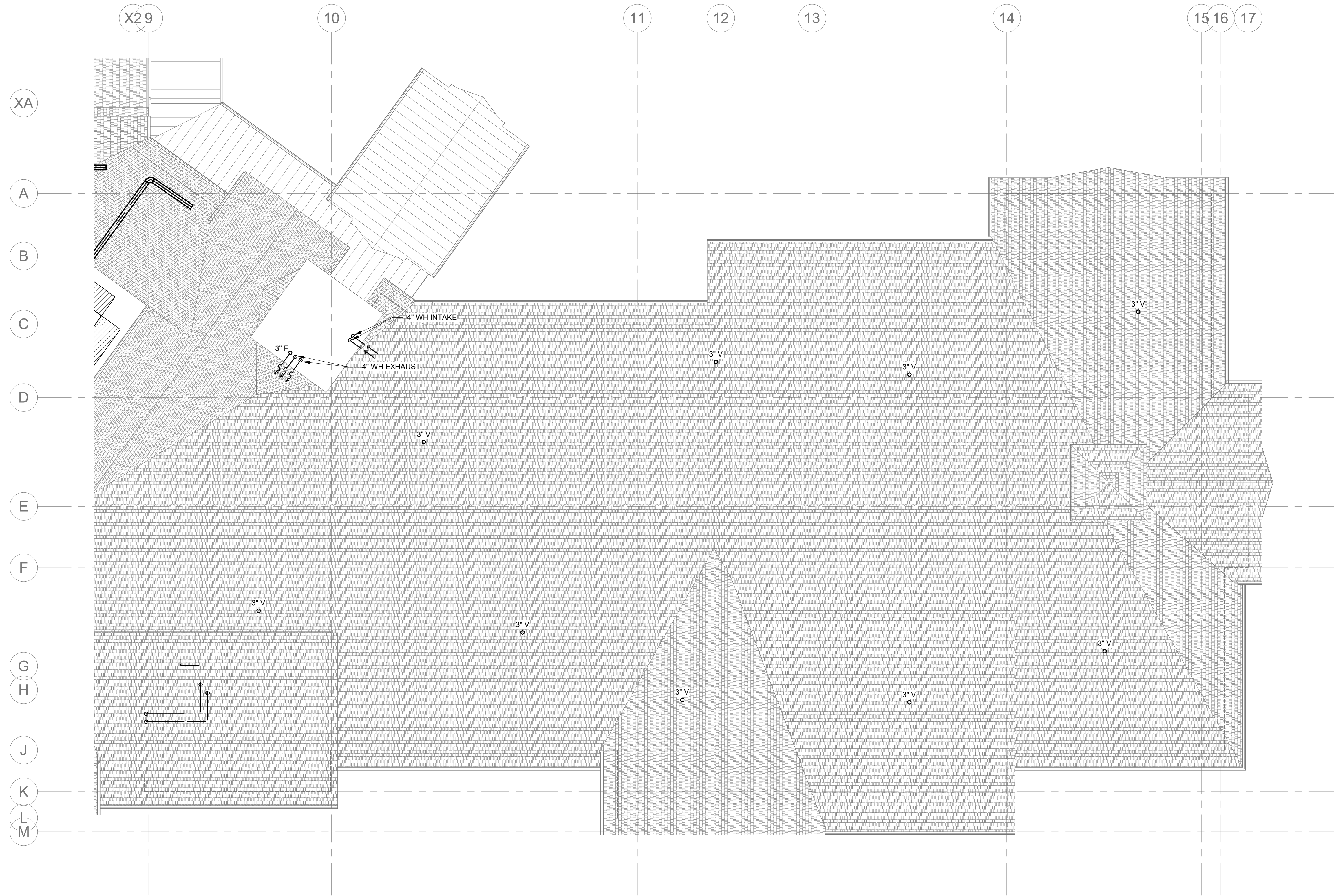
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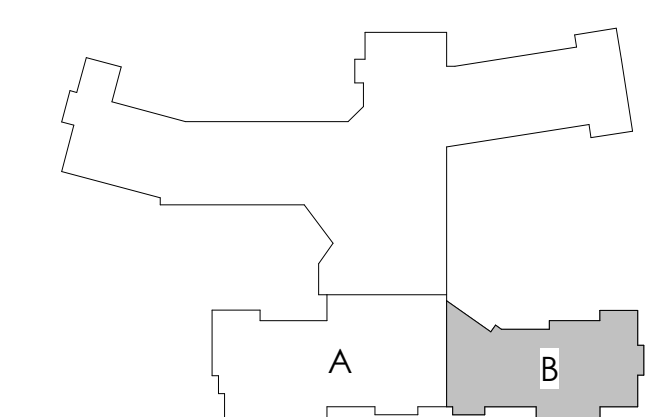
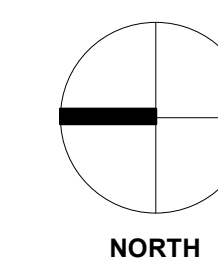
MECHANICAL ROOF  
PLAN AREA B

**M2.2B**



① MECHANICAL ROOF PLAN AREA B  
1/8" = 1'-0"

**SHEET NOTES:**  
1. EXHAUST VENTS/OUTLETS SHALL BE  
LOCATED 10'-0" CLEAR OF MECHANICAL  
AIR INTAKES.



REFER TO SHEET M0.0 FOR NOTES

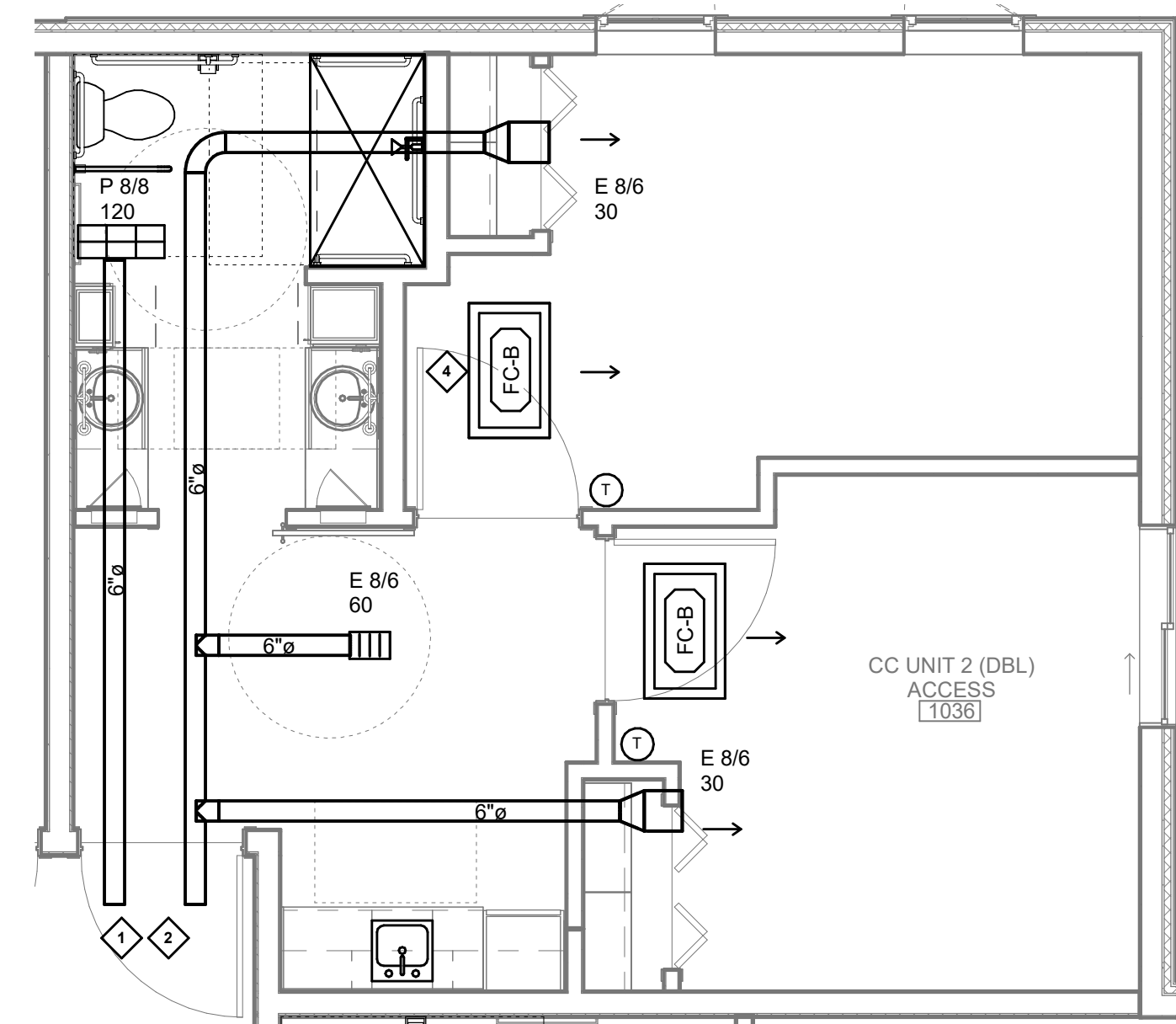


*Mark R. Brennanman*  
Signature

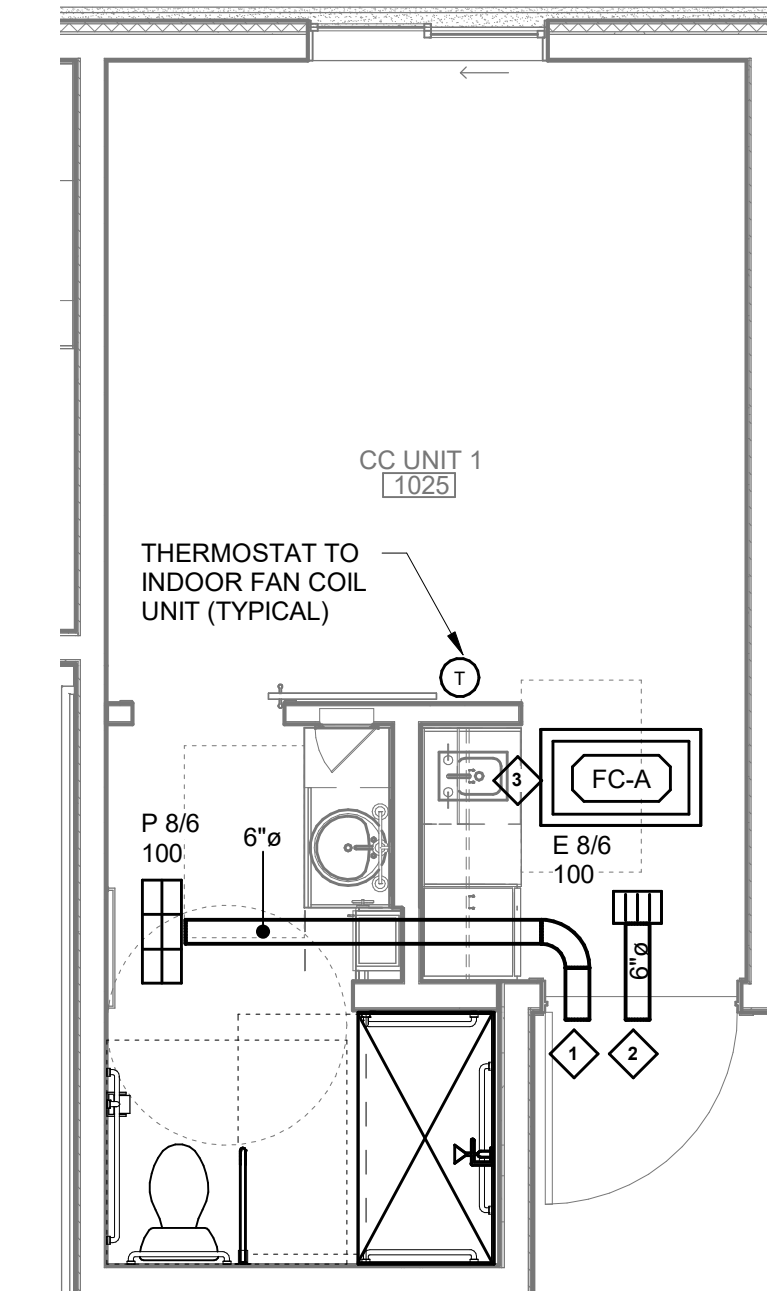
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2 CC UNIT 2 (DBL) HVAC PLAN  
1/4" = 1'-0"



1 CC UNIT 1 HVAC PLAN  
1/4" = 1'-0"

KEY NOTES:

- ◇ MECHANICAL EXHAUST DUCT. REFER TO FLOOR PLANS FOR CONTINUATION.
- ◇ MECHANICAL OUTSIDE AIR DUCT. REFER TO FLOOR PLANS FOR CONTINUATION.
- ◇ TERMINATE CONDENSATE TO KITCHEN TAILPIECE
- ◇ TERMINATE CONDENSATE TO BATHROOM LAVATORY

GENERAL HVAC UNIT NOTES

- A. PROVIDE WALL THERMOSTAT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER AND ARCHITECT.

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HVAC UNITS

**M3.0**

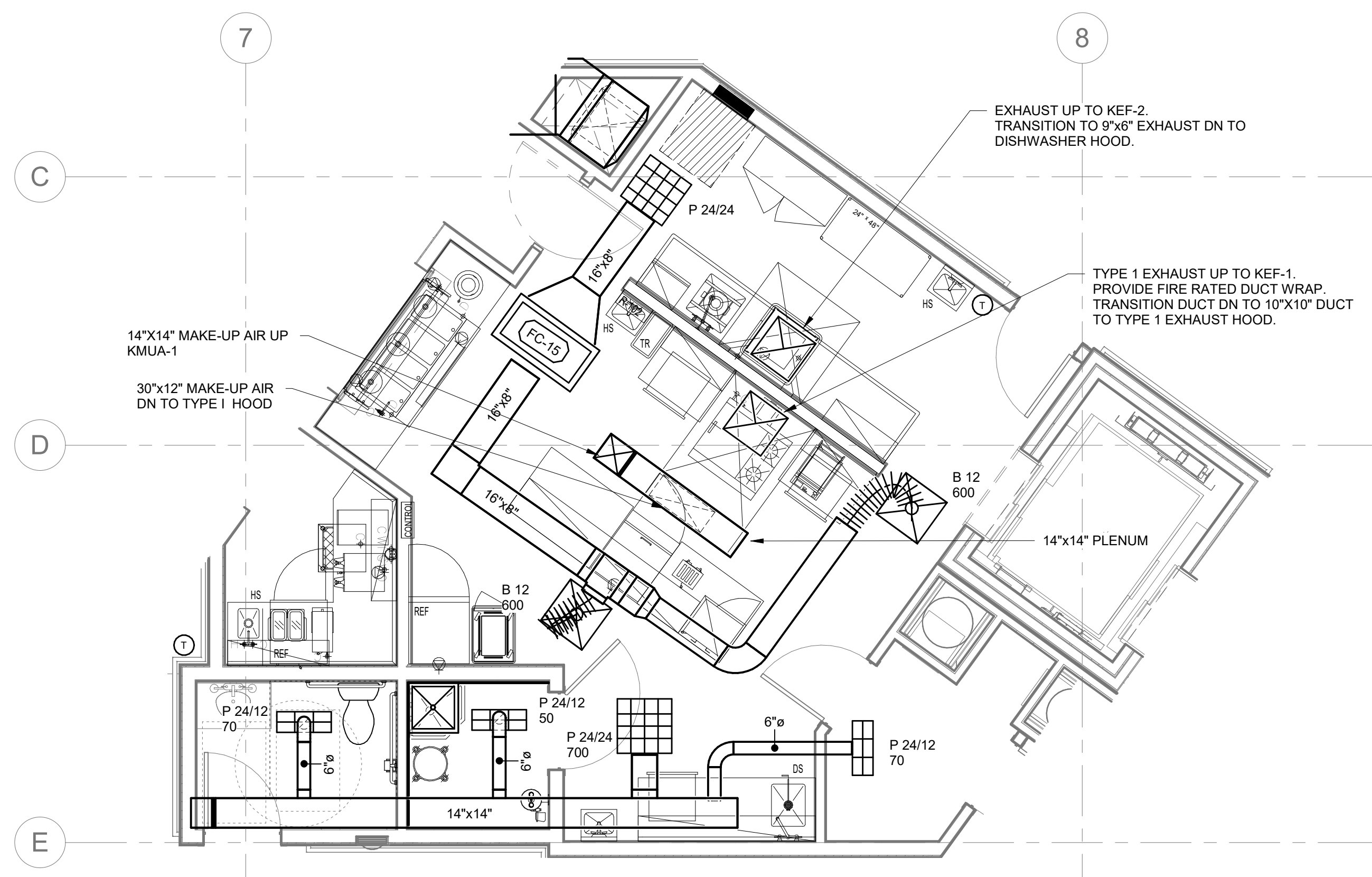


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Signature

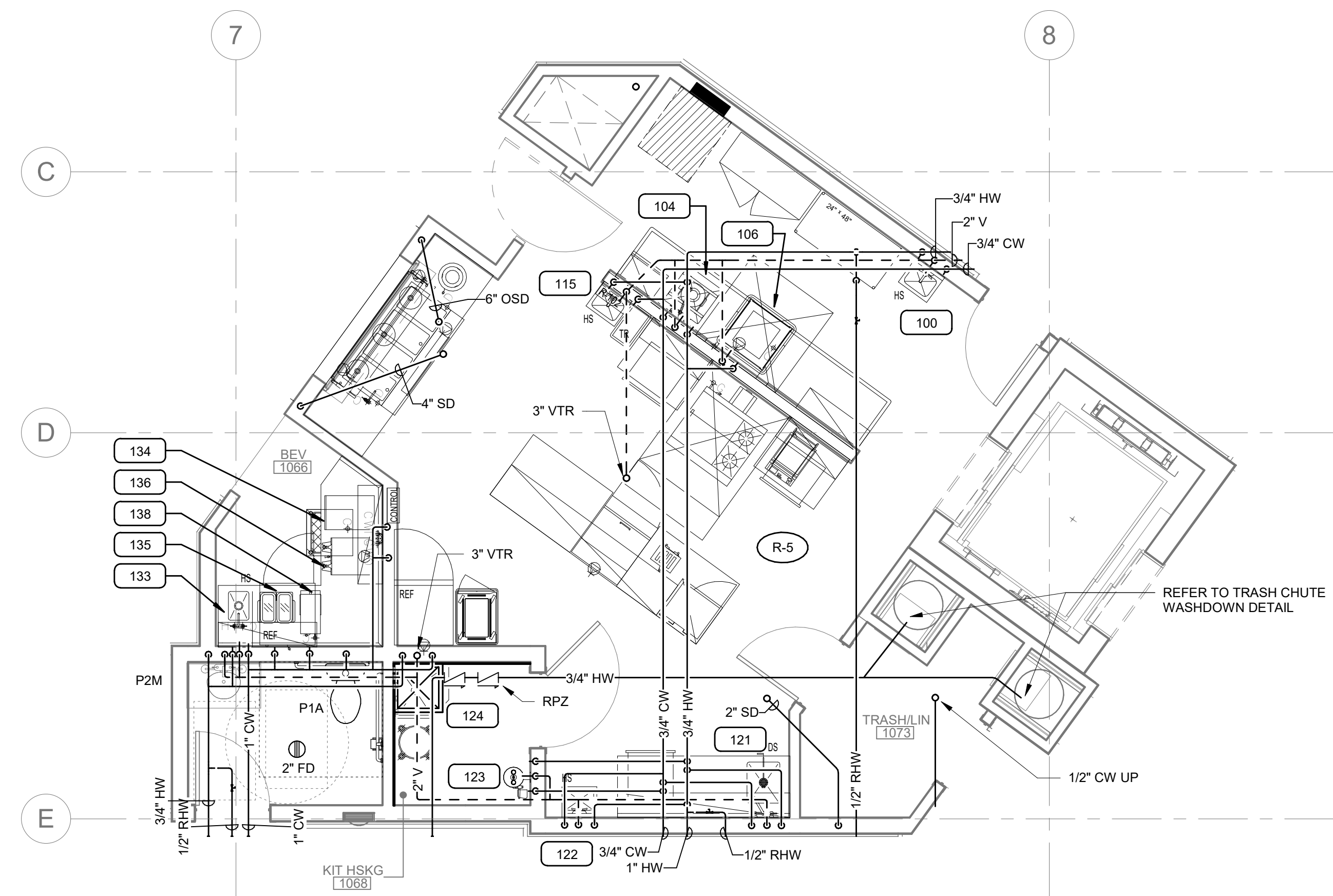
Mark R. Brennan  
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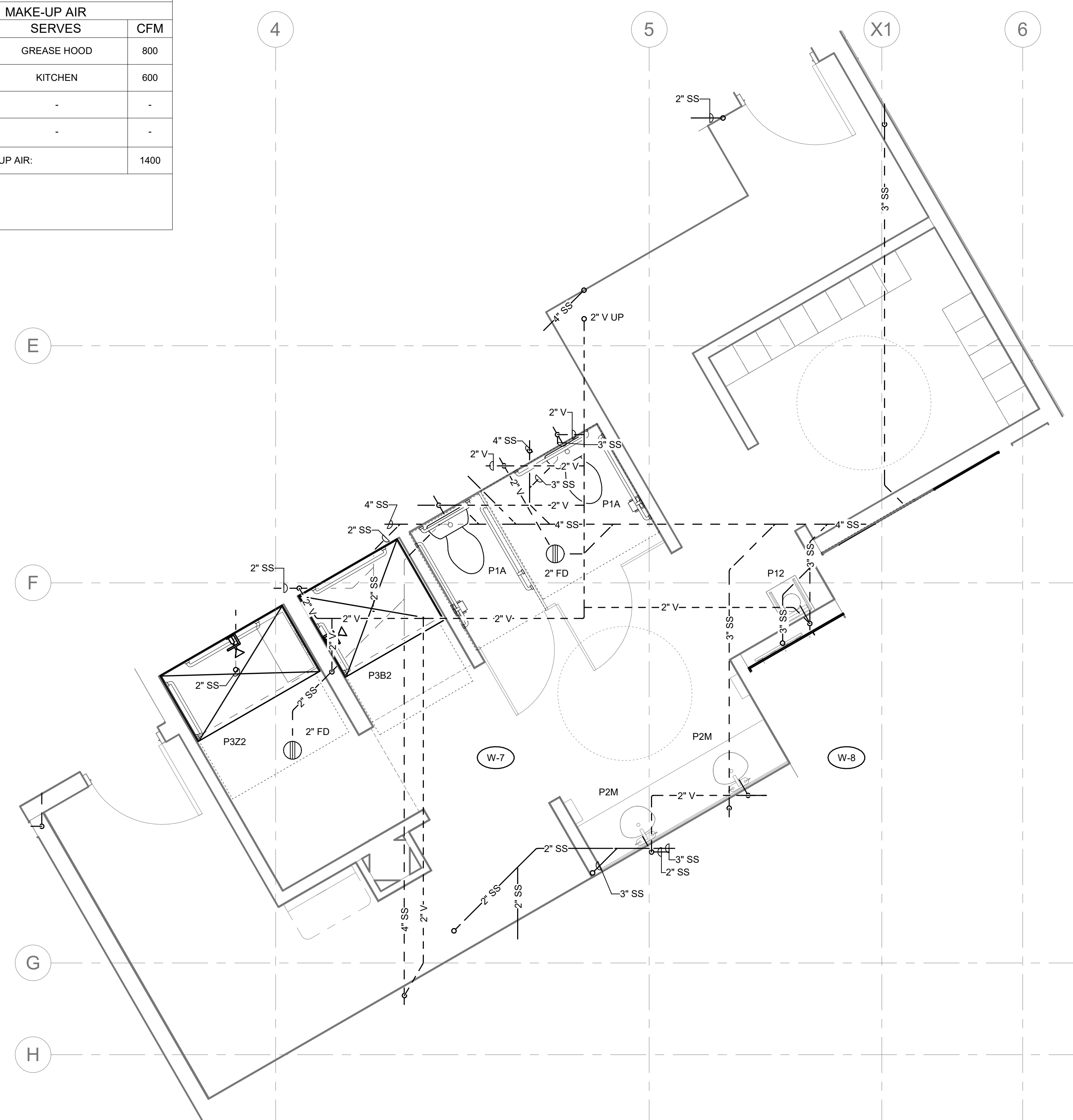


LEVEL 1 - KITCHEN HVAC ENLARGED  
PLAN  
1/4" = 1'-0"

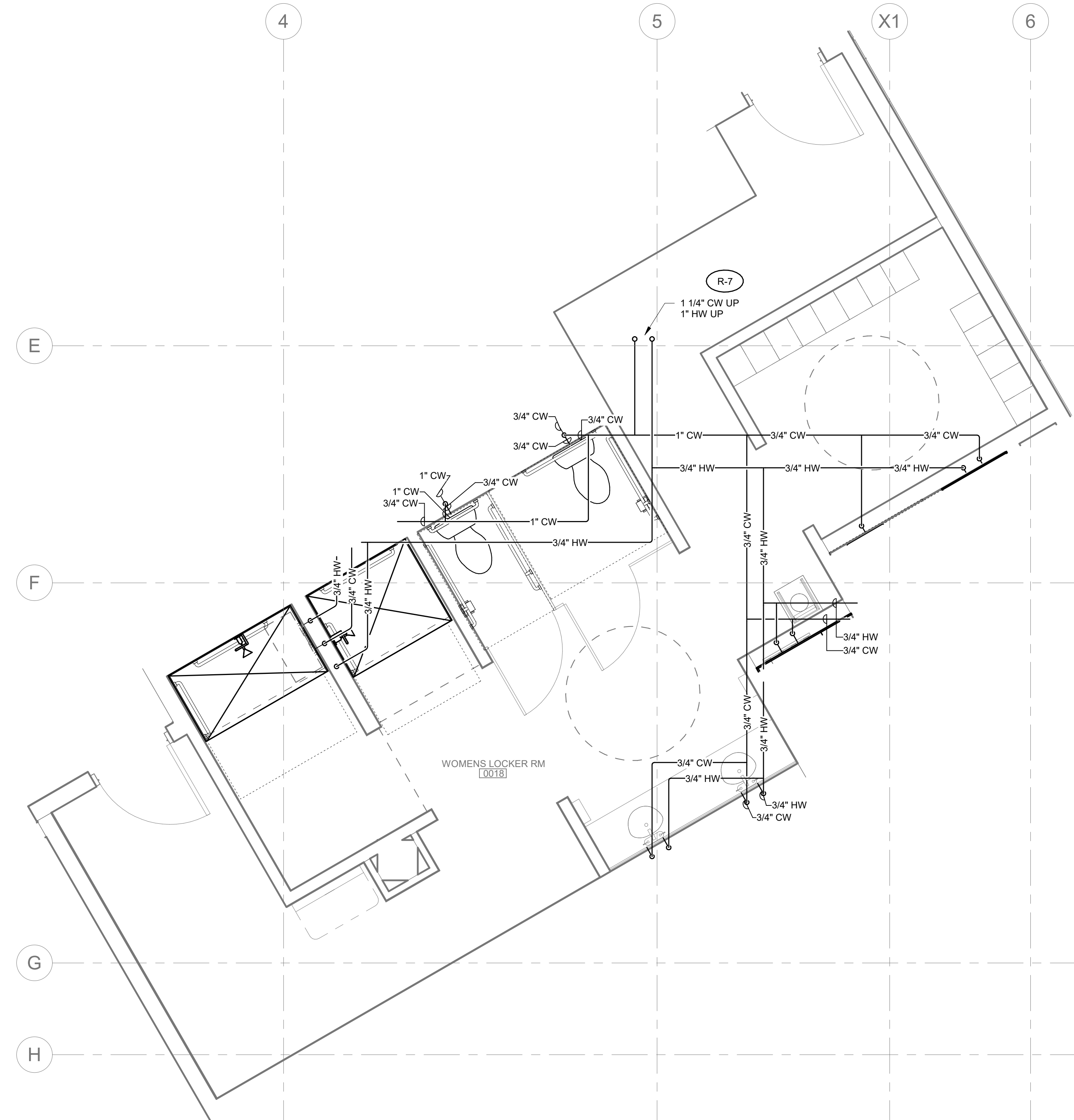


LEVEL 1 - KITCHEN PLUMBING  
ENLARGED PLAN  
1/4" = 1'-0"

EXHAUST			MAKE-UP AIR		
TAG	SERVES	CFM	TAG	SERVES	CFM
KEF-1	GREASE HOOD	900	KMUA-1	GREASE HOOD	800
KEF-2	DISHWASHER HOOD	600	ERV-1	KITCHEN	600
-	-	-	-	-	-
-	-	-	-	-	-
TOTAL EXHAUST AIR:		1500	TOTAL MAKE-UP AIR:		1400
SYSTEM BALANCE:					
PRESSURIZATION (NEG):		(800 CFM)			
PERCENTAGE (NEG):		(7%)			



GARAGE LEVEL - WOMENS LOCKER  
ROOM 0018 WASTE AND VENT  
ENLARGED PLAN  
3/8" = 1'-0"



GARAGE LEVEL - WOMENS LOCKER  
ROOM 0018 DOMESTIC WATER  
ENLARGED PLAN  
3/8" = 1'-0"

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ENLARGED PLAN  
**M3.1**





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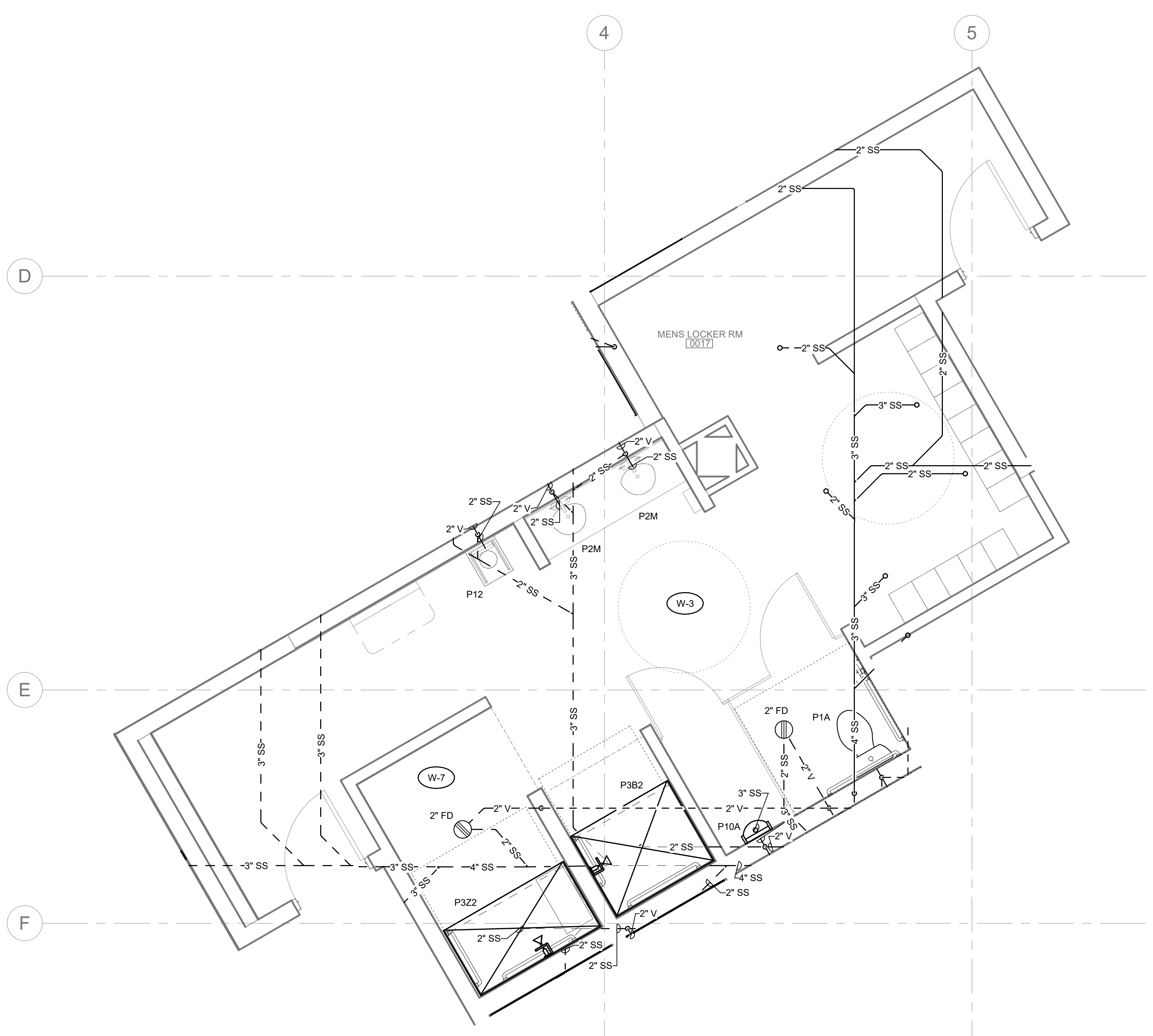
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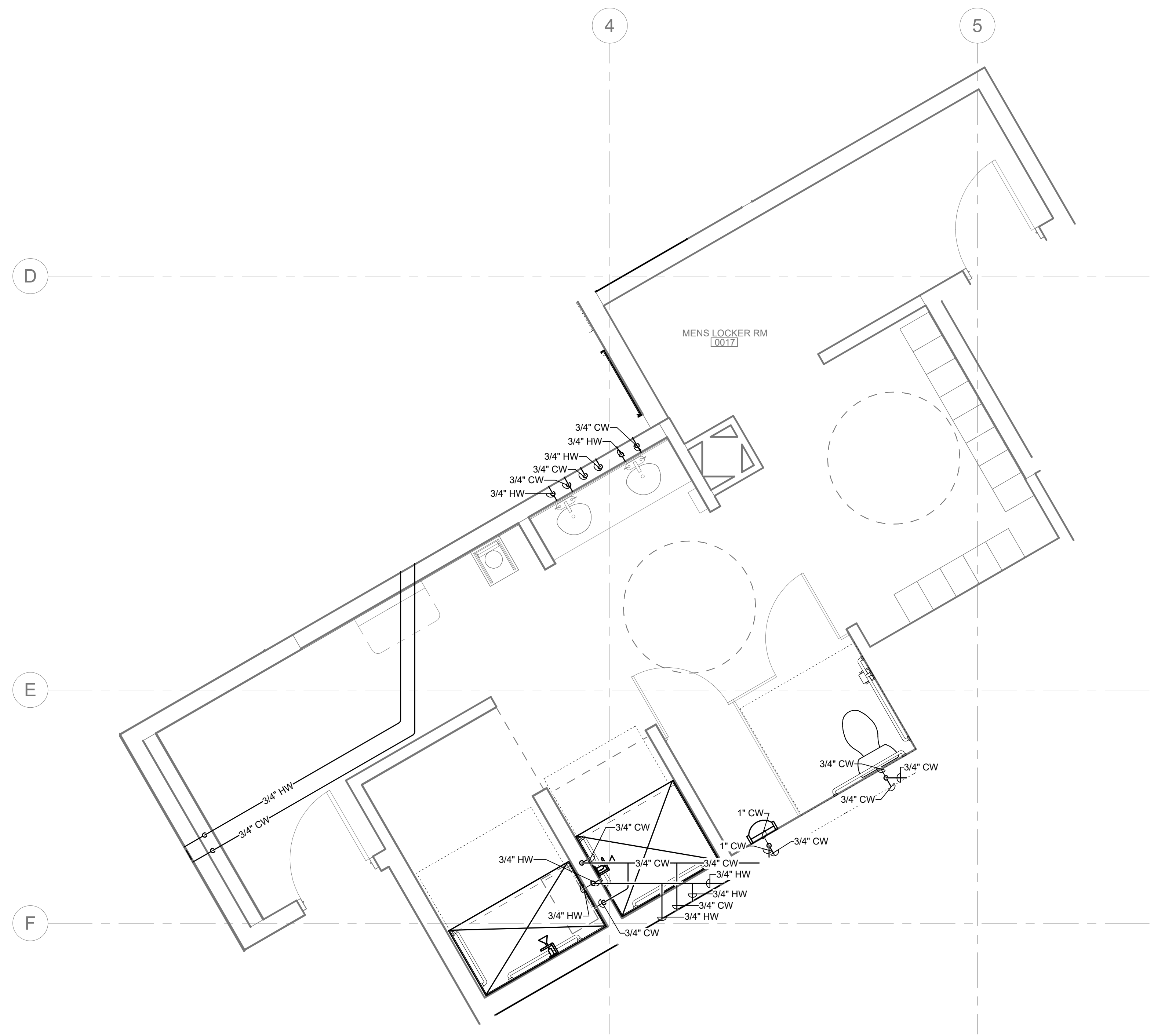
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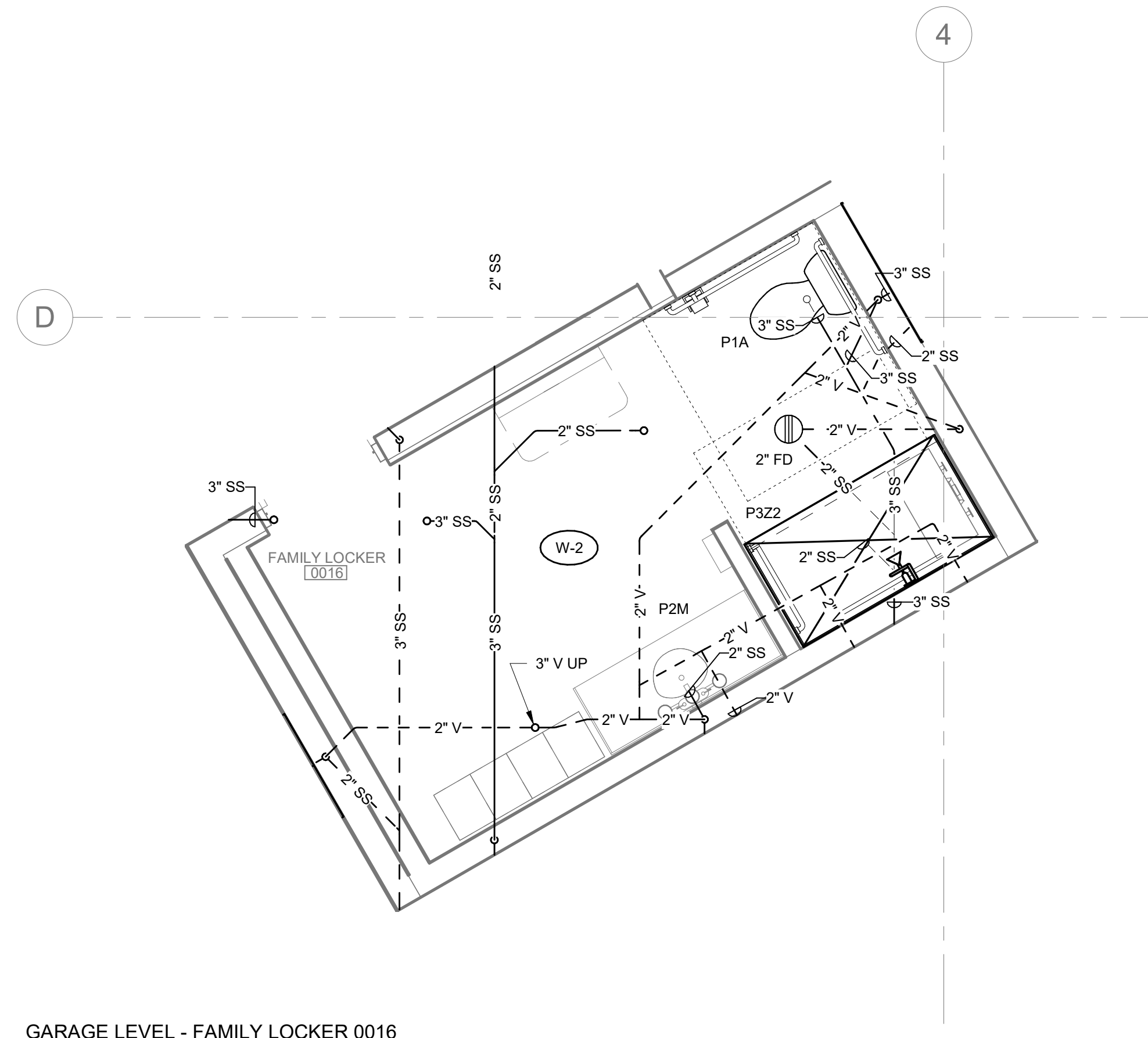
ENLARGED PLAN  
**M3.2**



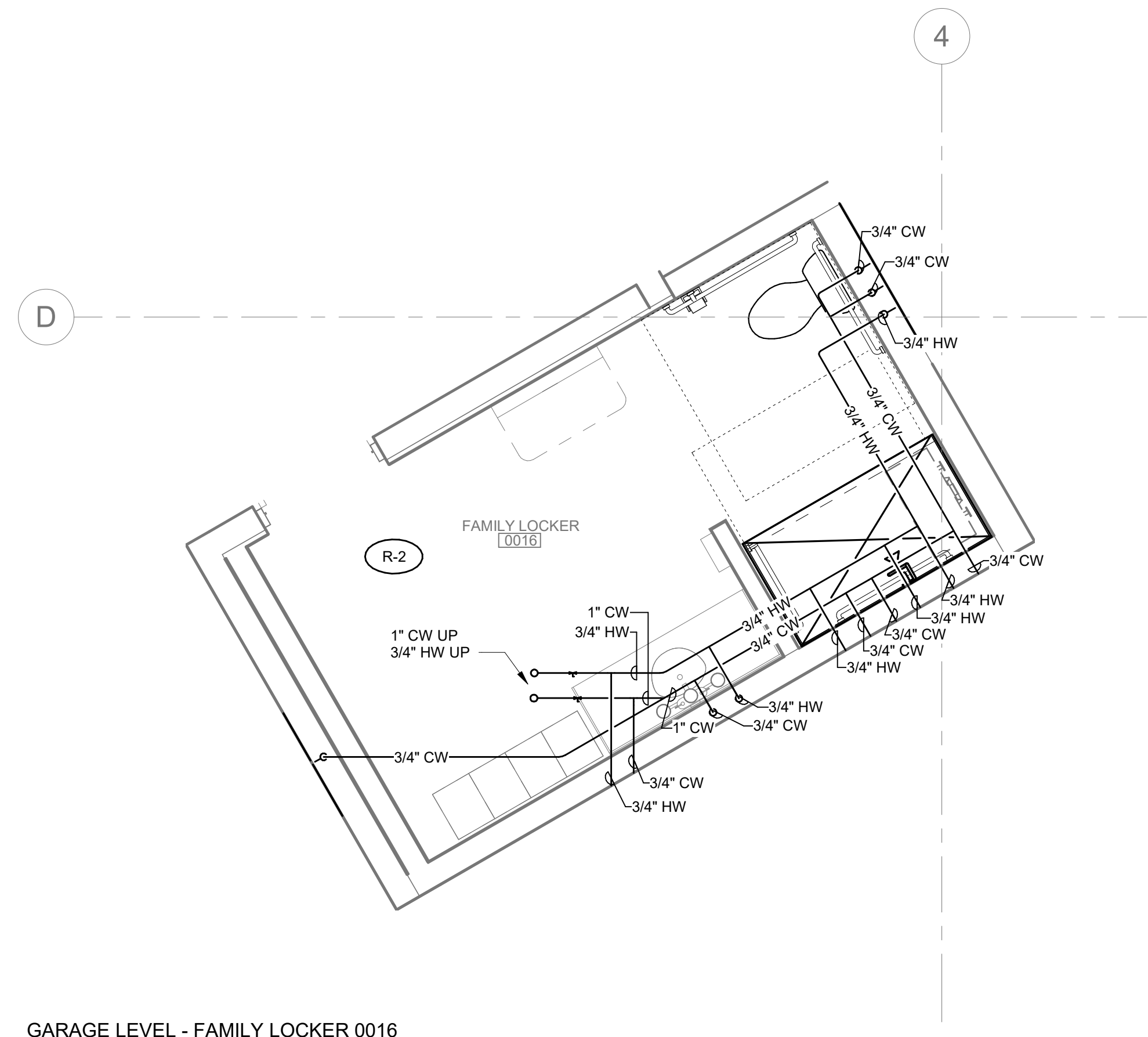
1 GARAGE LEVEL - MENS LOCKER ROOM  
0017 WASTE AND VENT ENLARGED  
PLAN  
3/8" = 1'-0"



2 GARAGE LEVEL - MENS LOCKER ROOM  
0017 DOMESTIC WATER ENLARGED  
PLAN  
3/8" = 1'-0"



3 GARAGE LEVEL - FAMILY LOCKER 0016  
WASTE AND VENT ENLARGED PLAN  
3/8" = 1'-0"



4 GARAGE LEVEL - FAMILY LOCKER 0016  
DOMESTIC WATER ENLARGED PLAN  
3/8" = 1'-0"



in = site  
architects

1000 University Ave. w. suite 130  
St. Paul, Minnesota 55104  
612-252-4820



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Signature

Mark R. Breneman  
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Mechanical 06/19/23  
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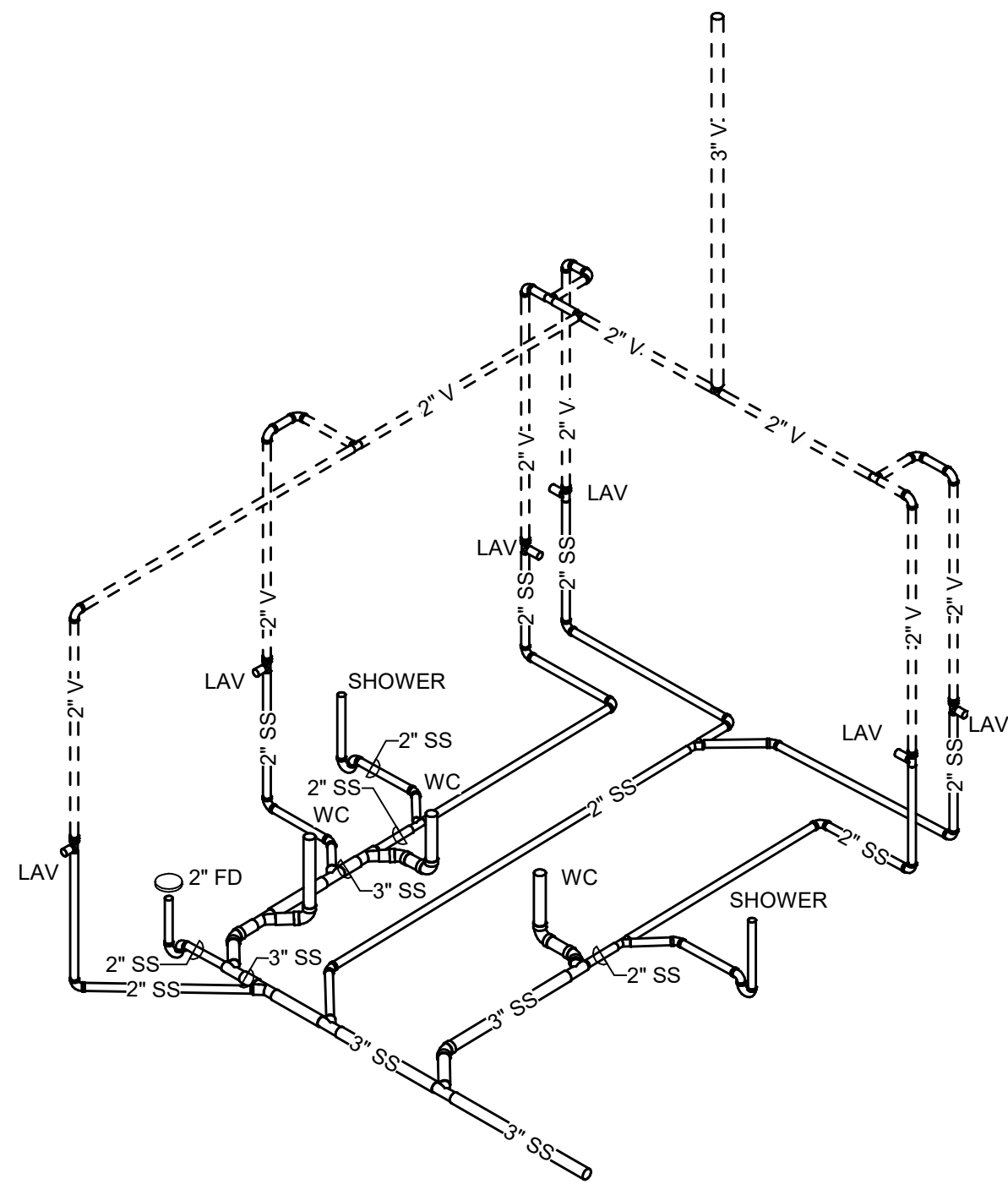
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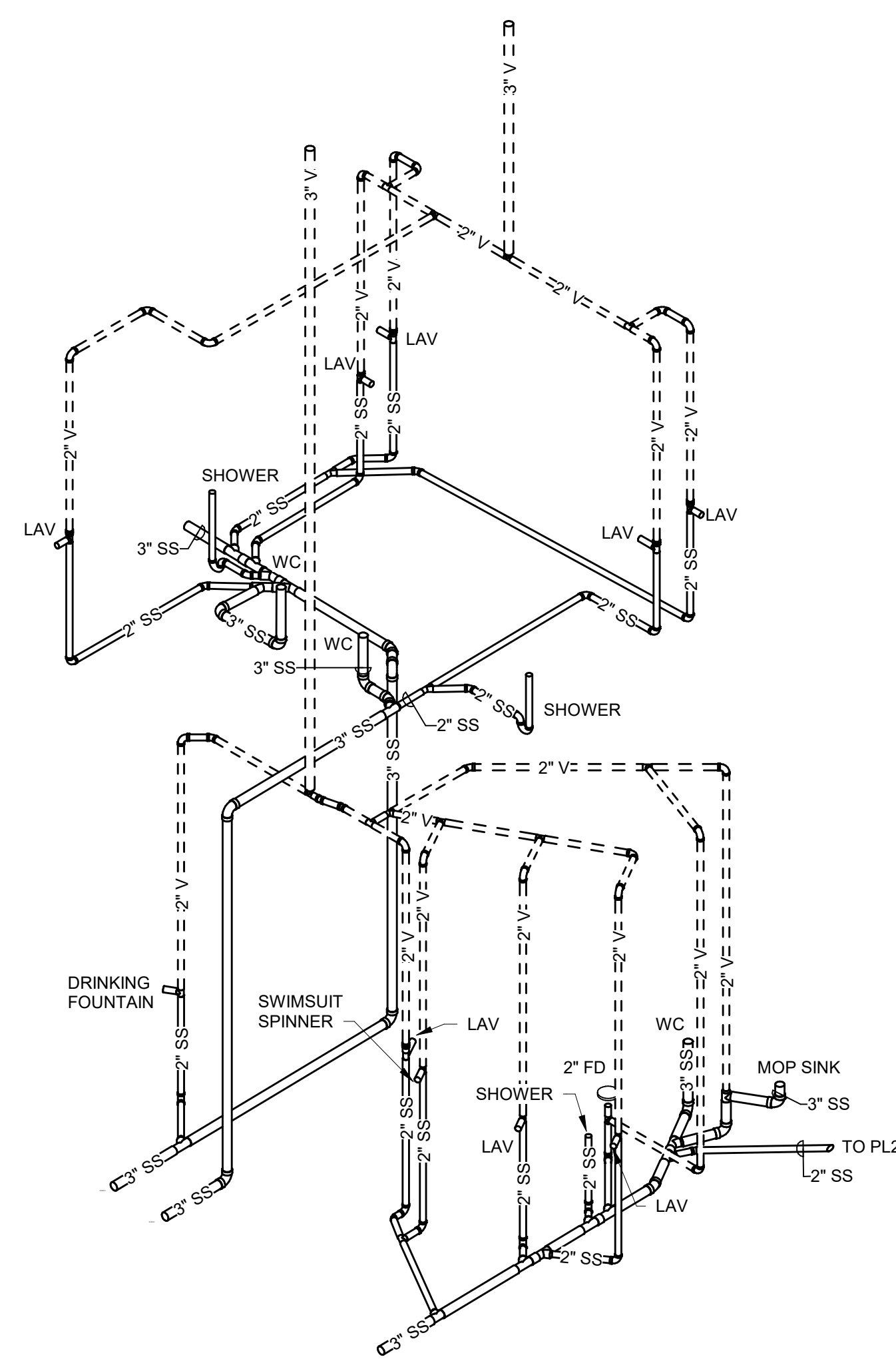
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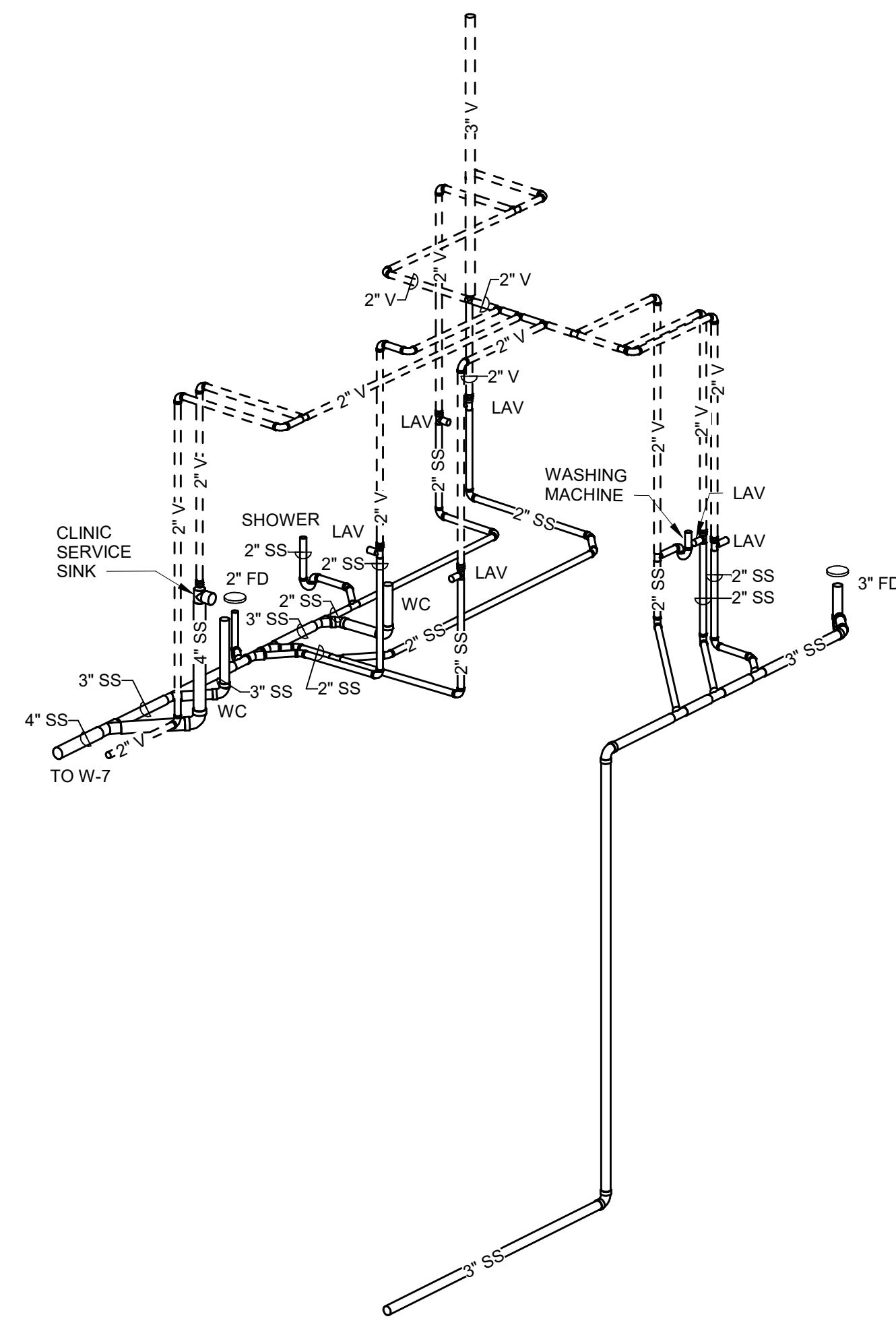
PLUMBING RISERS  
**M4.0**



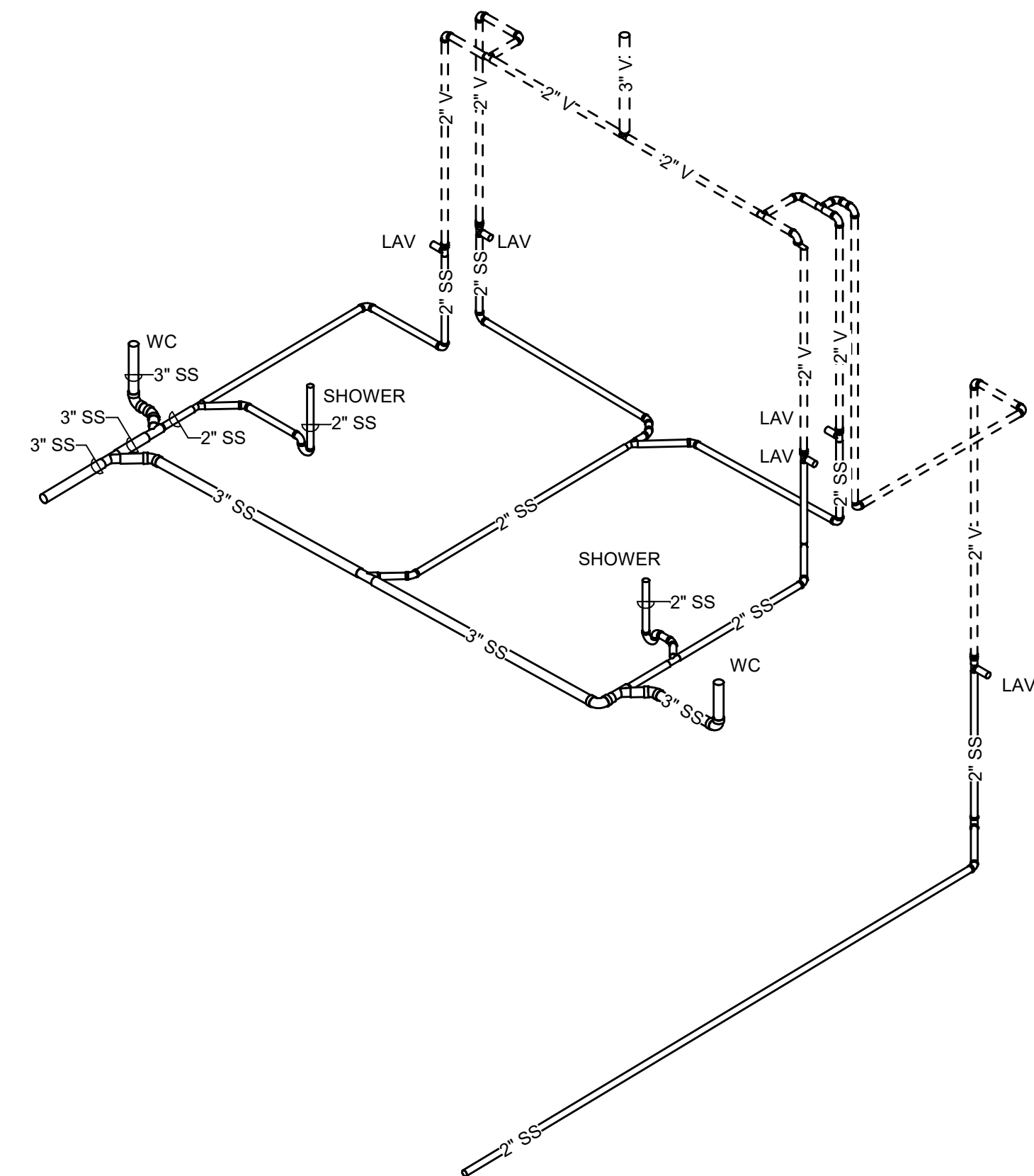
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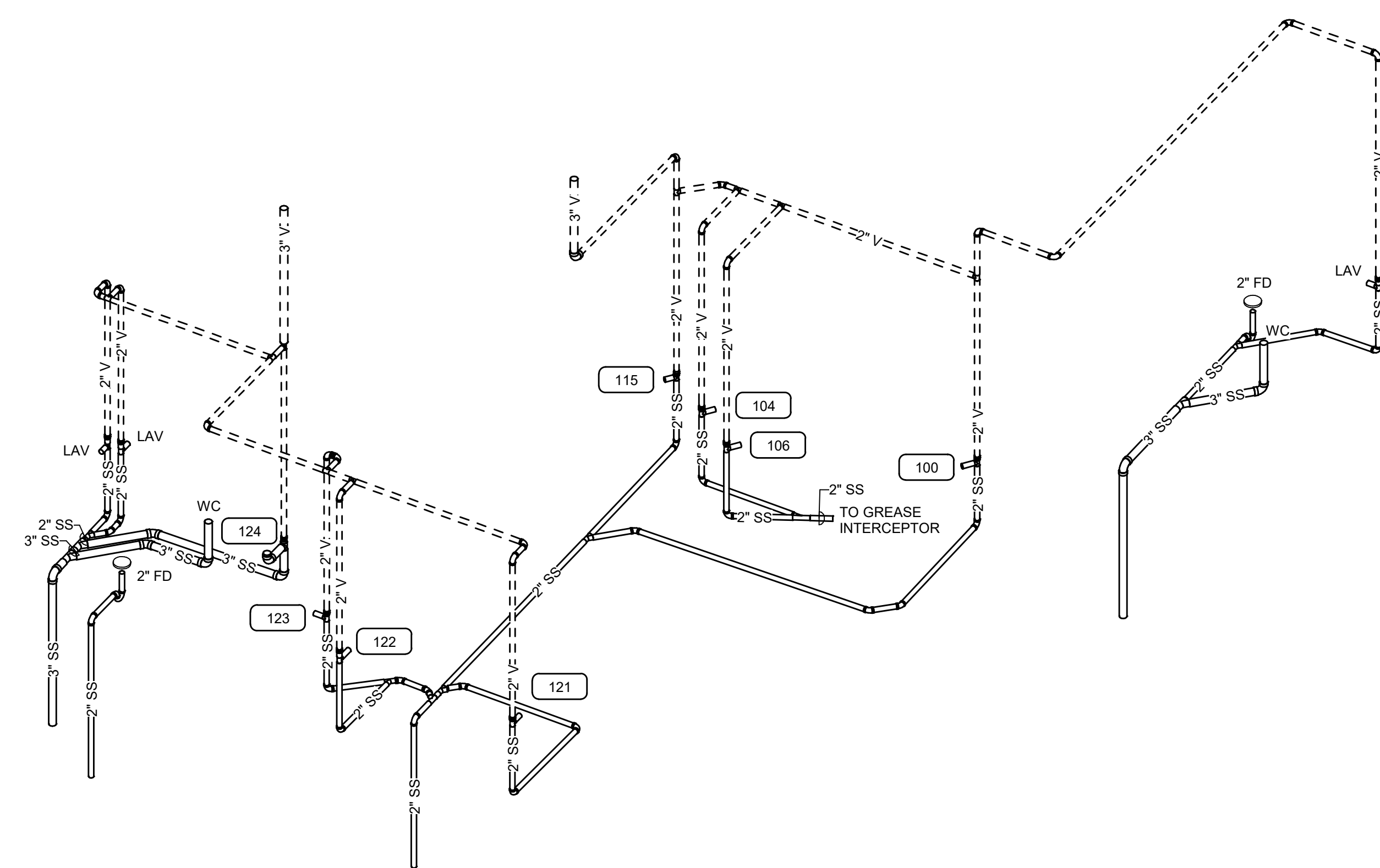
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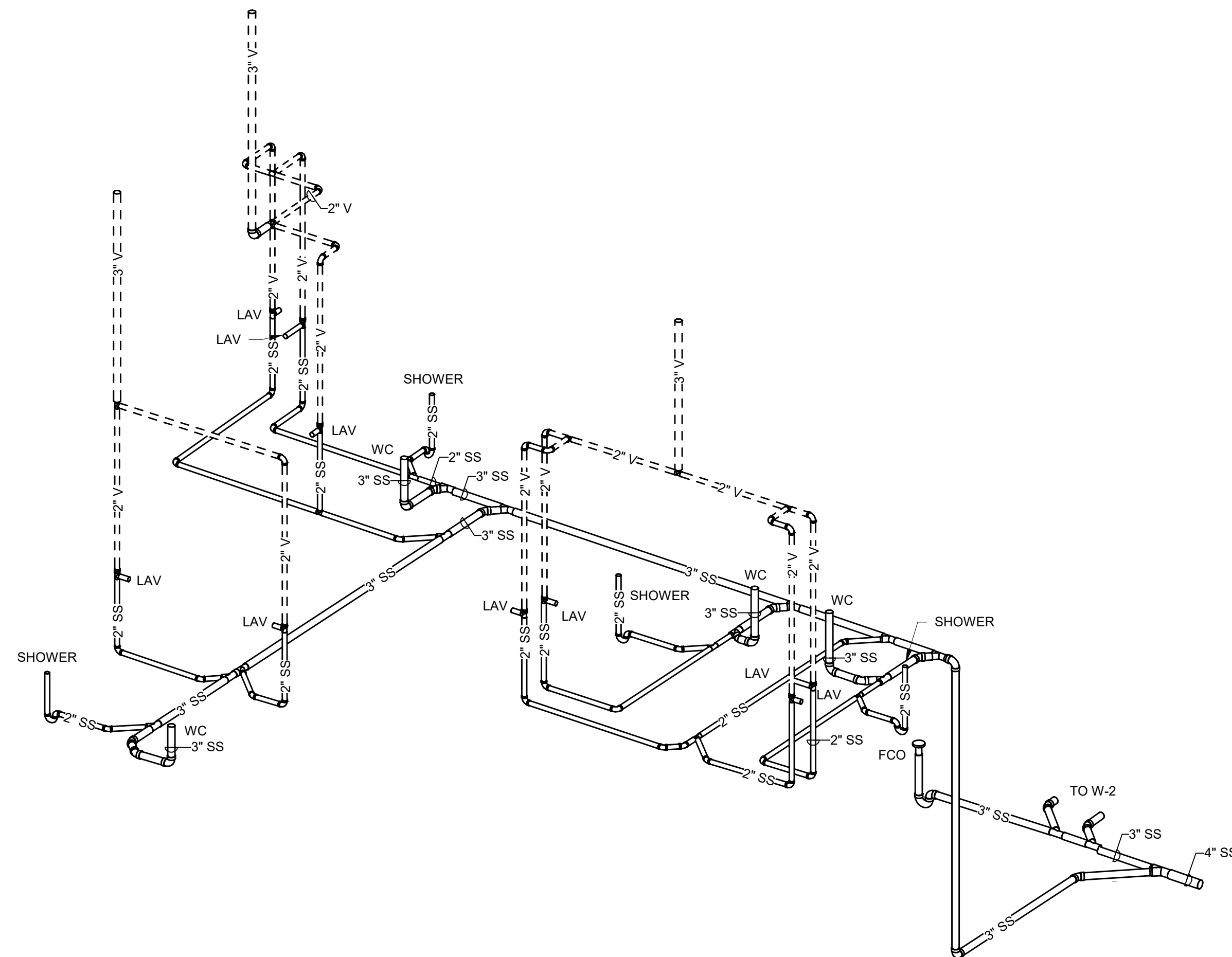
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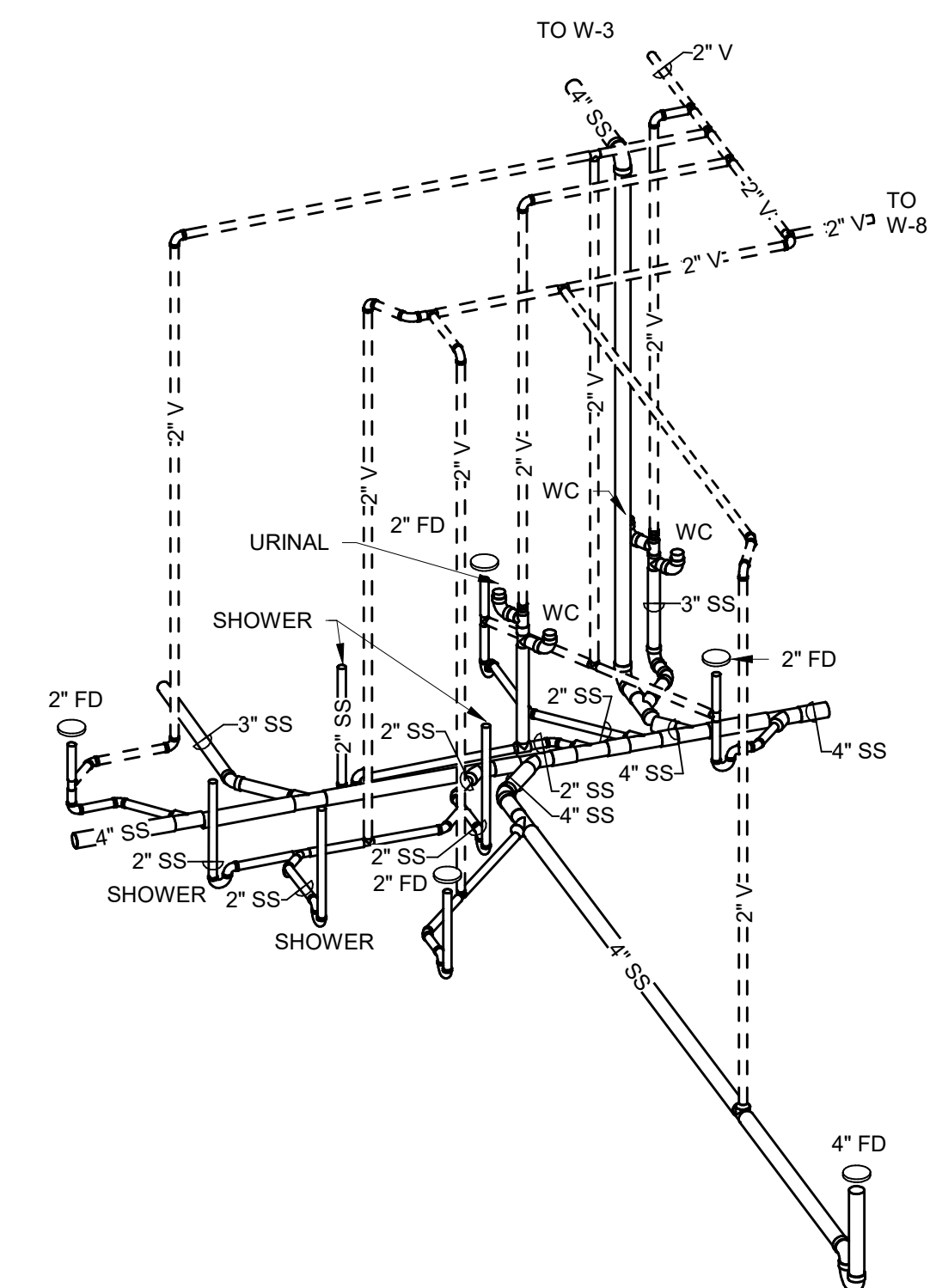
4 W-4



5 W-5



6 W-6



7 W-7



*Mark R. Breneman*  
Signature

Mark R. Breneman  
Type of Firms Name  
Mechanical Discipline 06/19/23 Date

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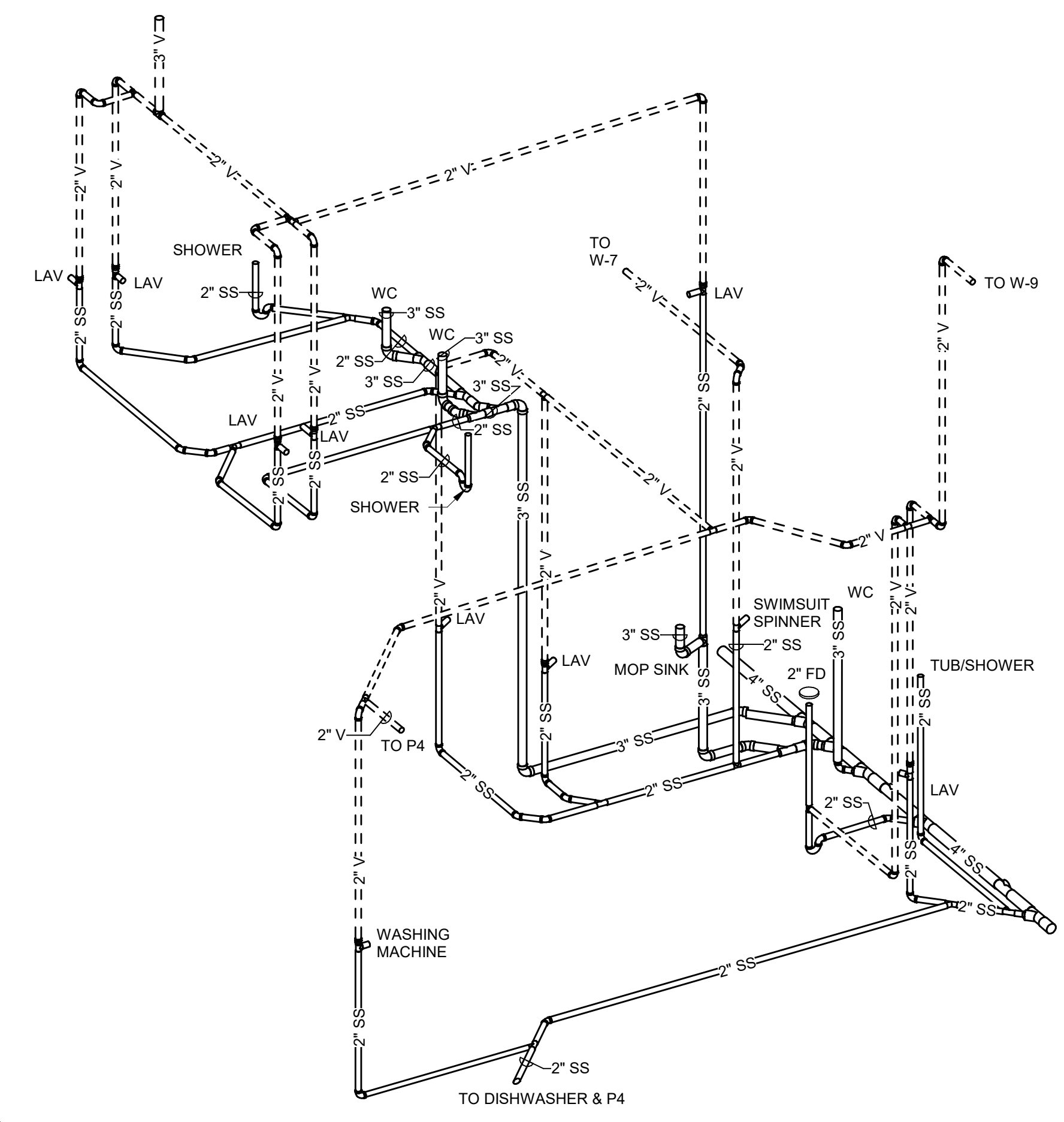
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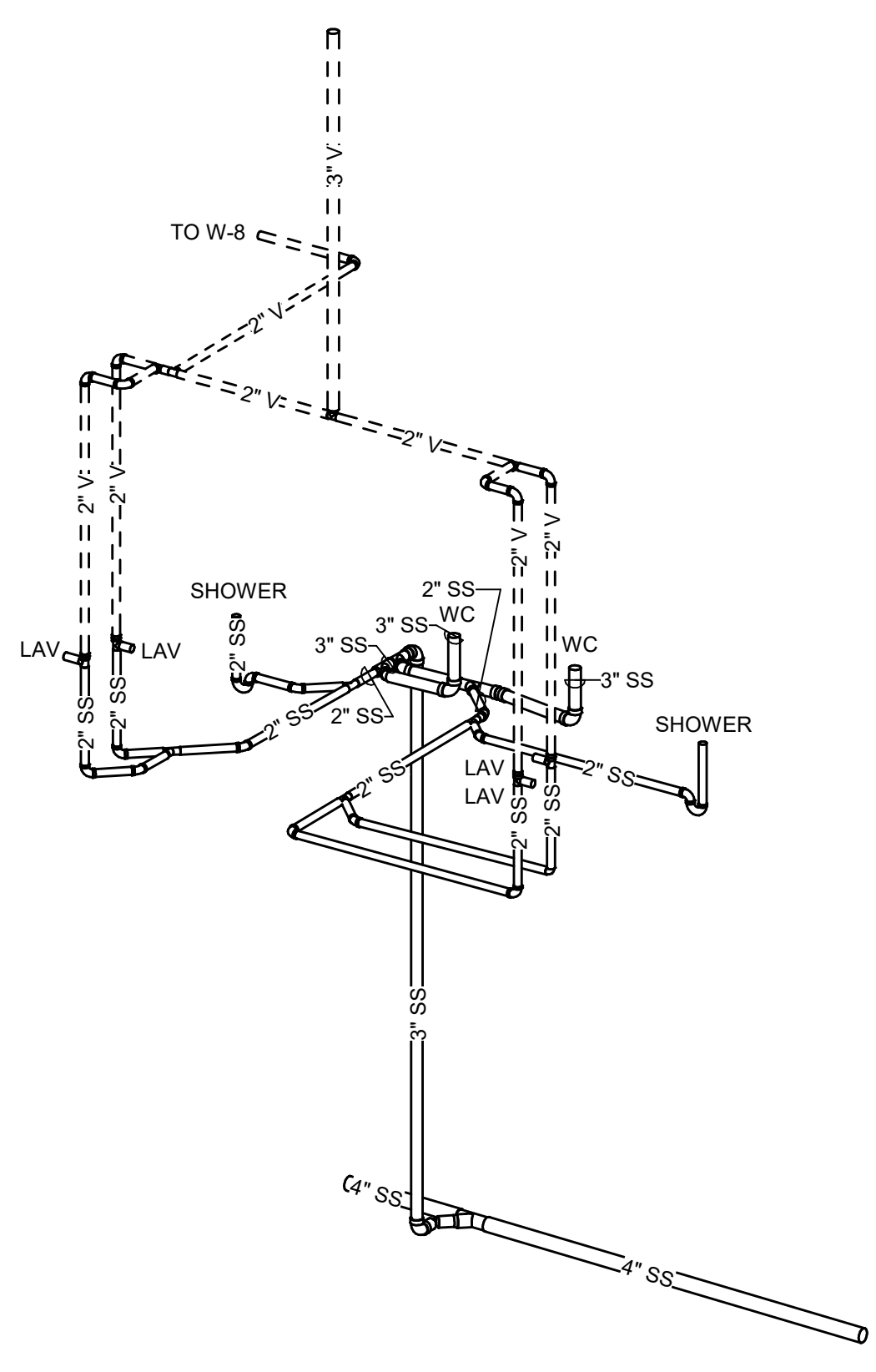
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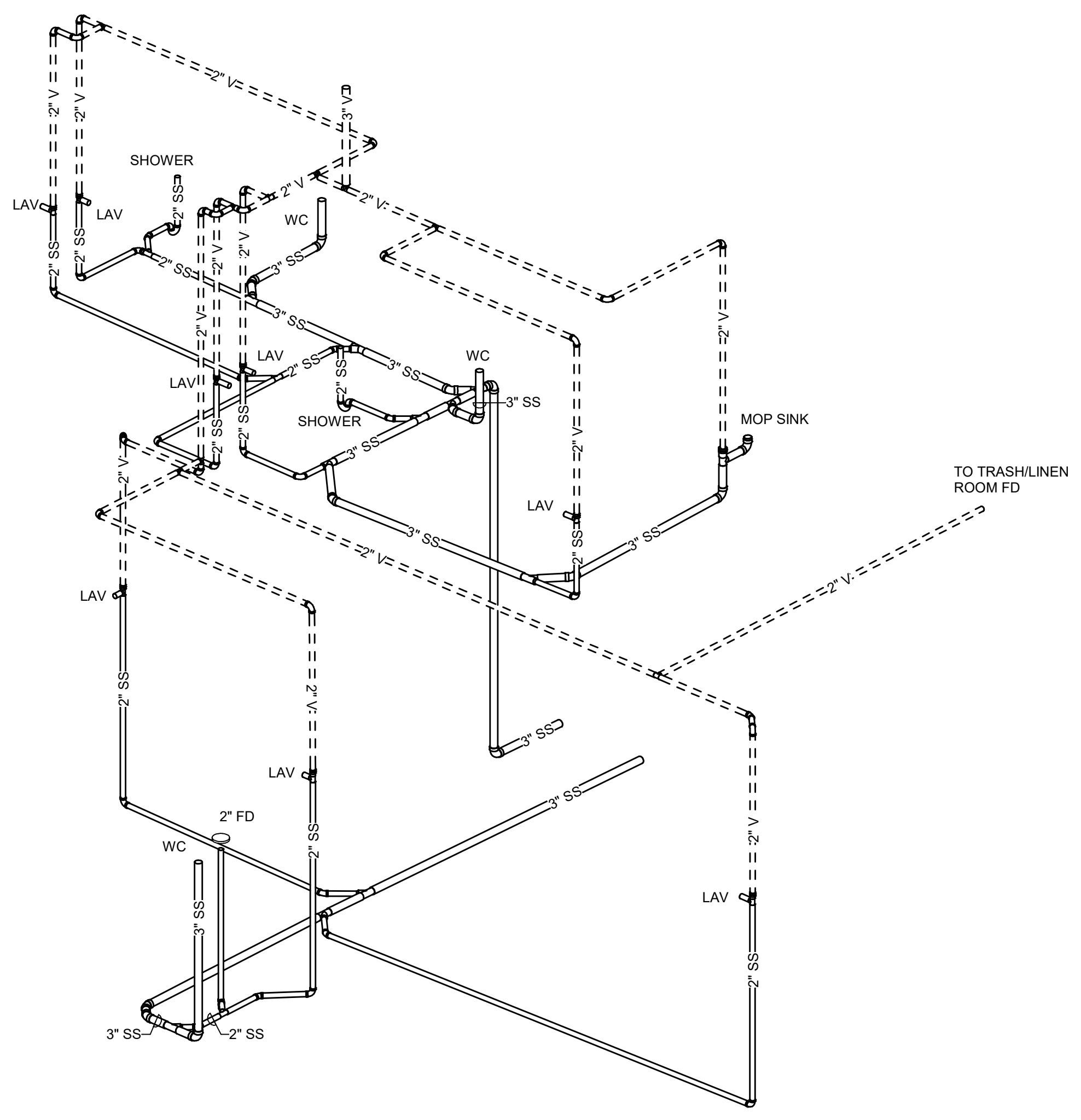
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**M4.1**



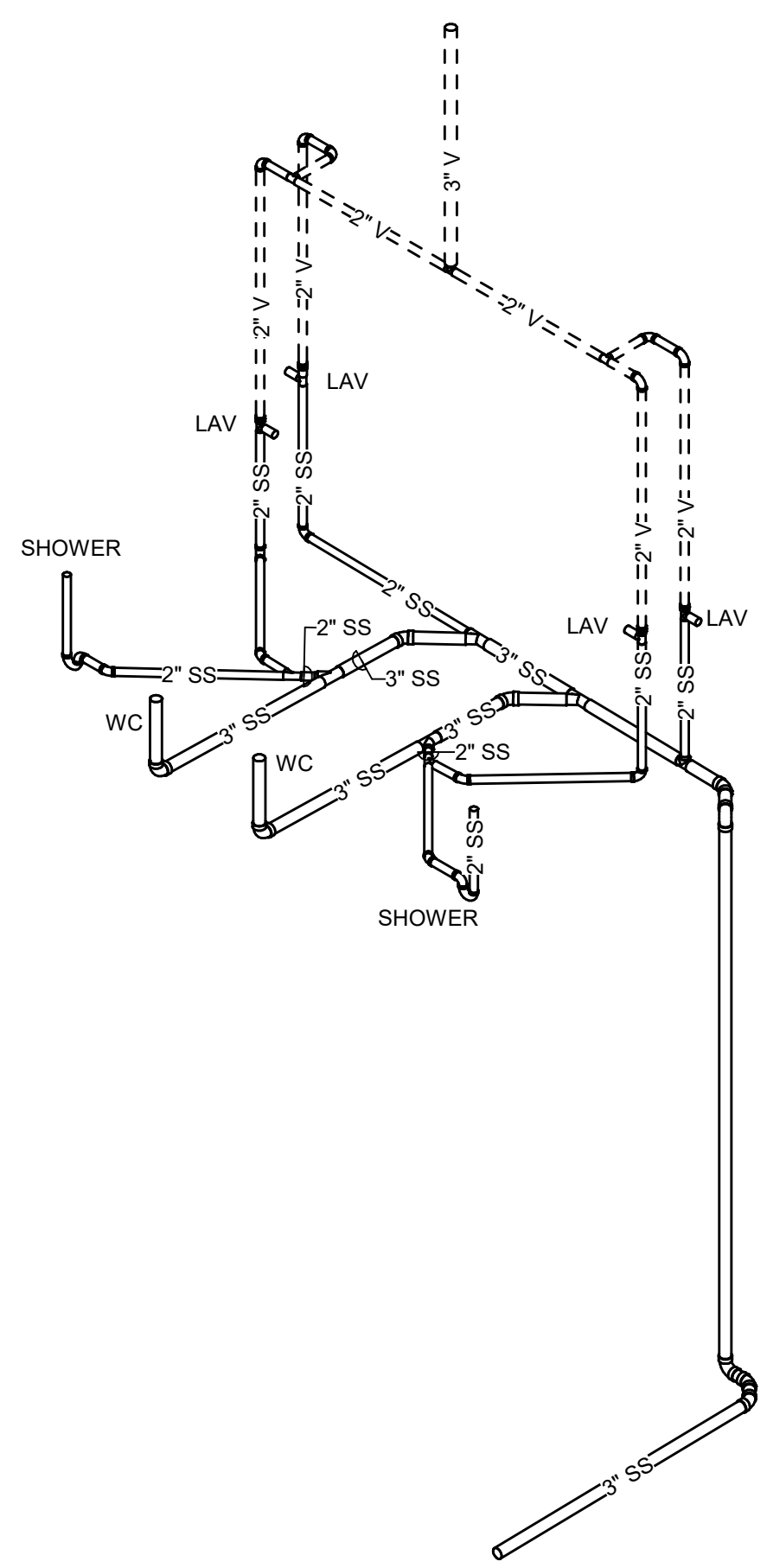
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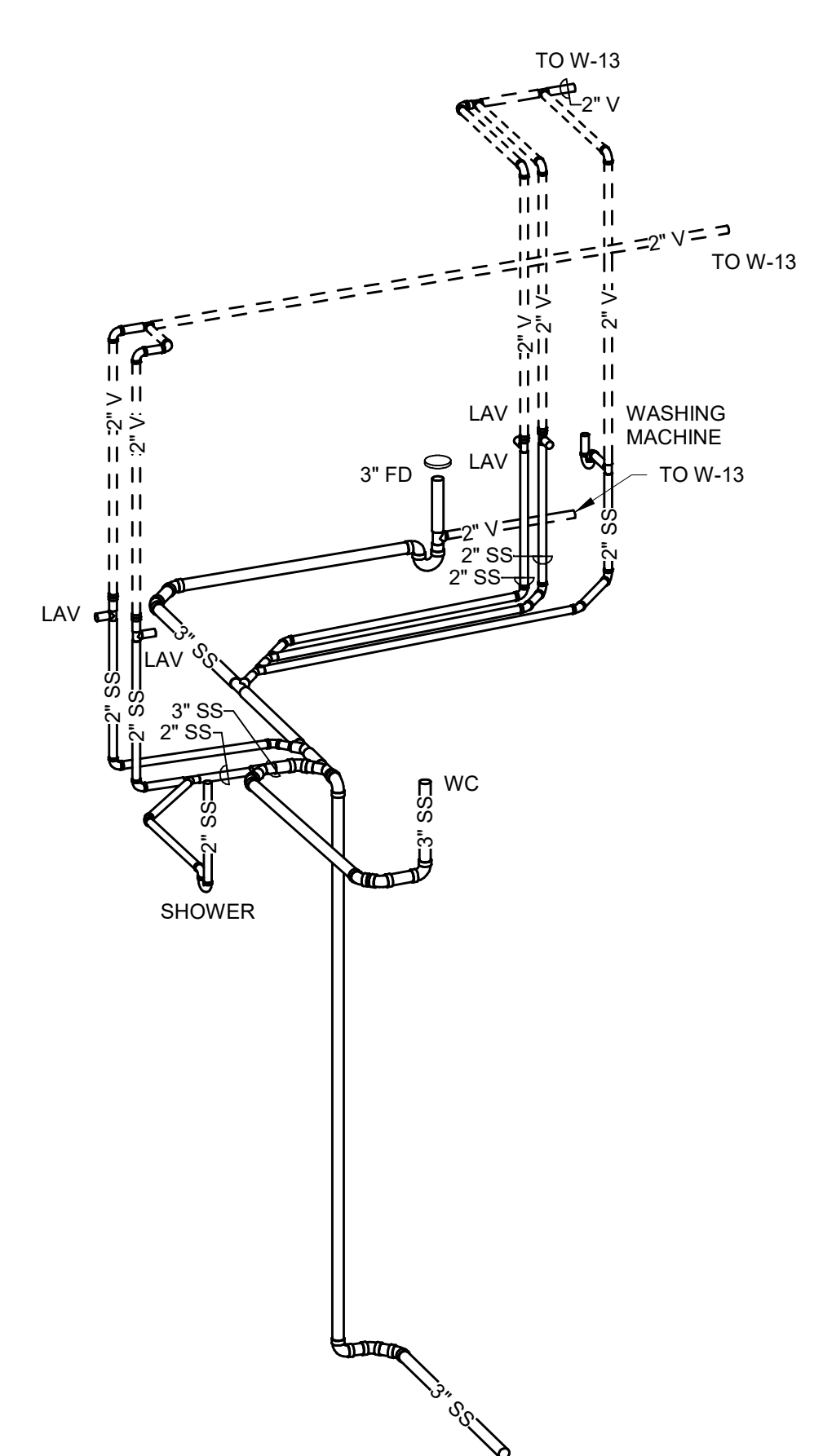
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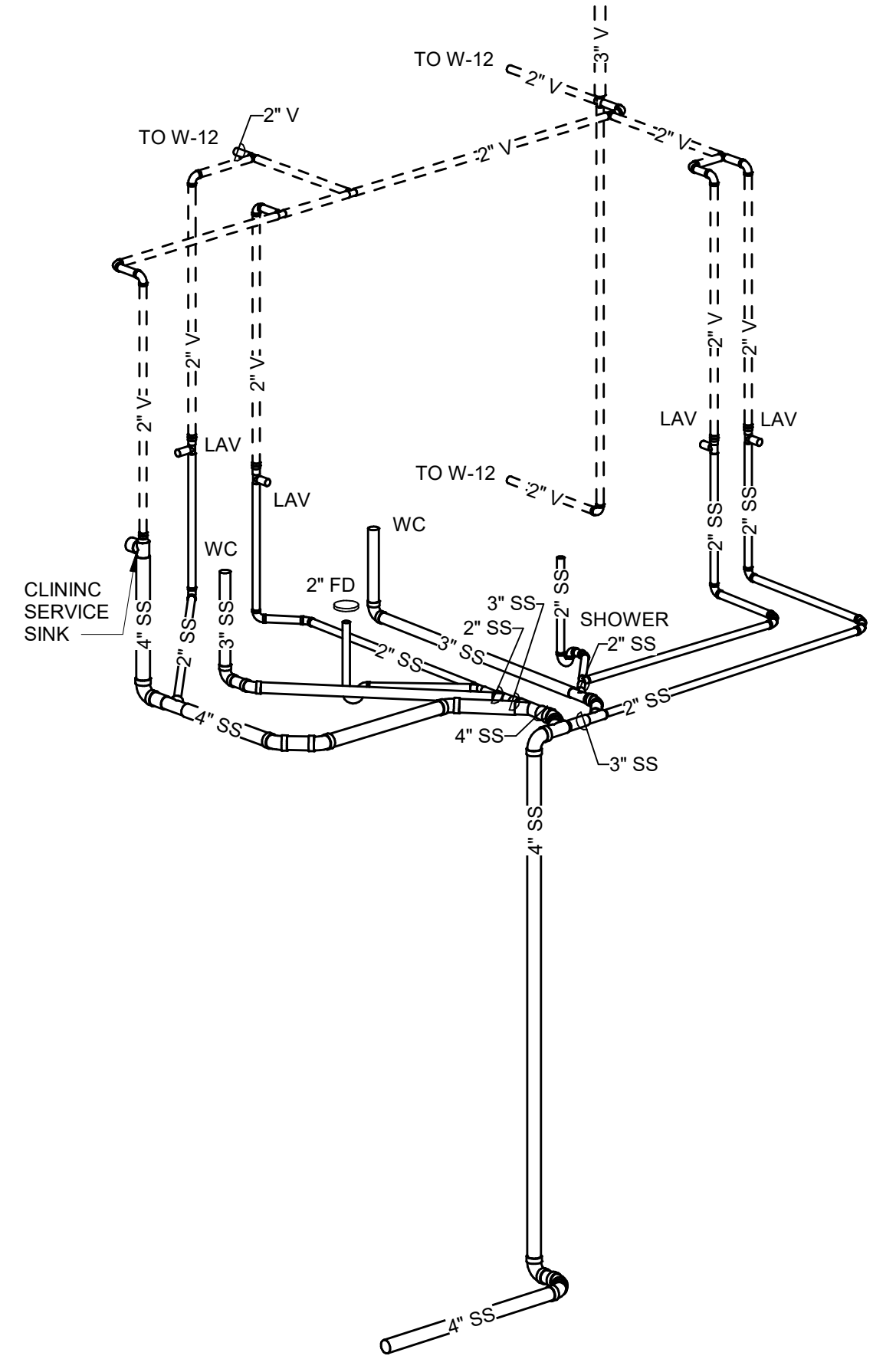
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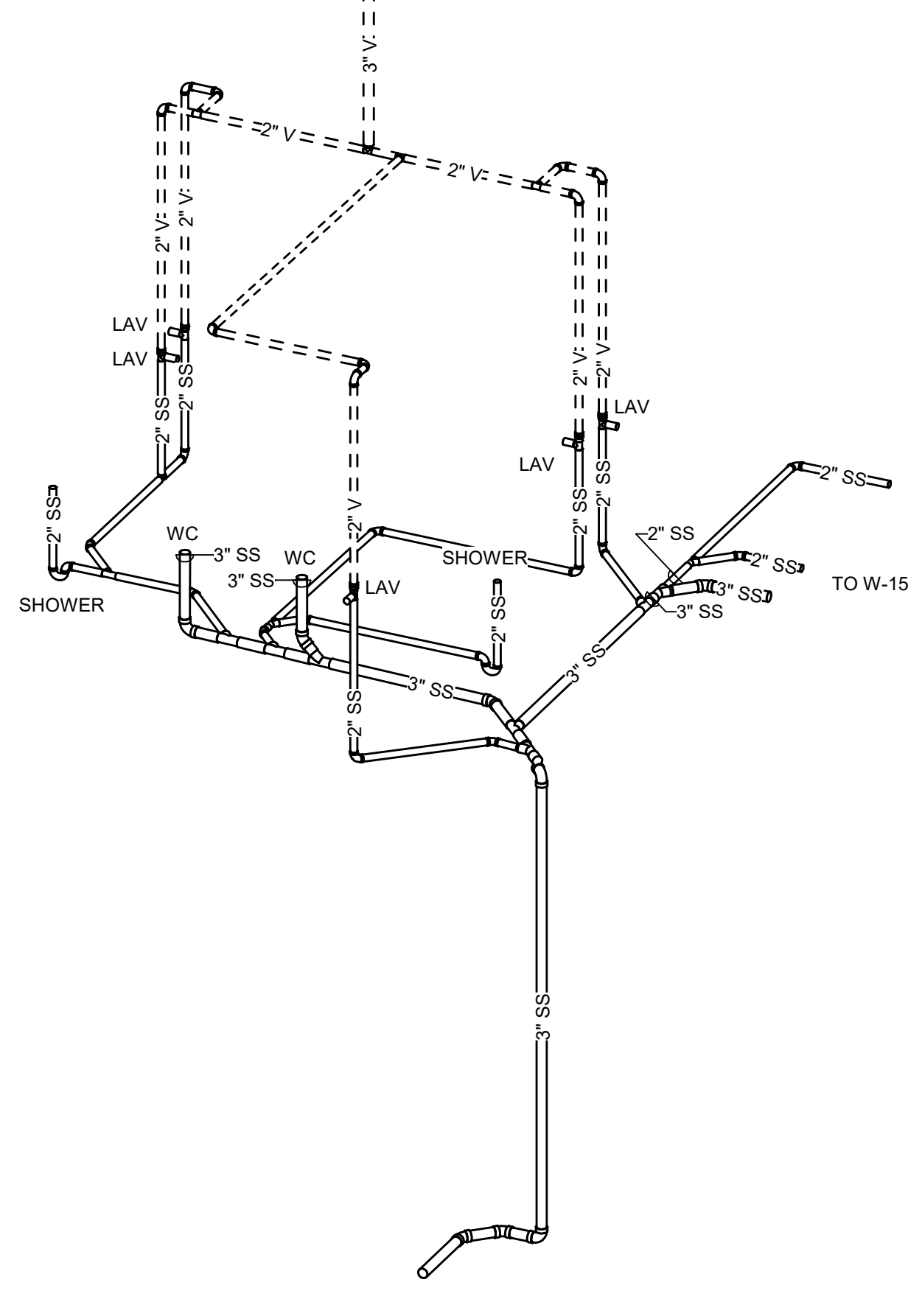
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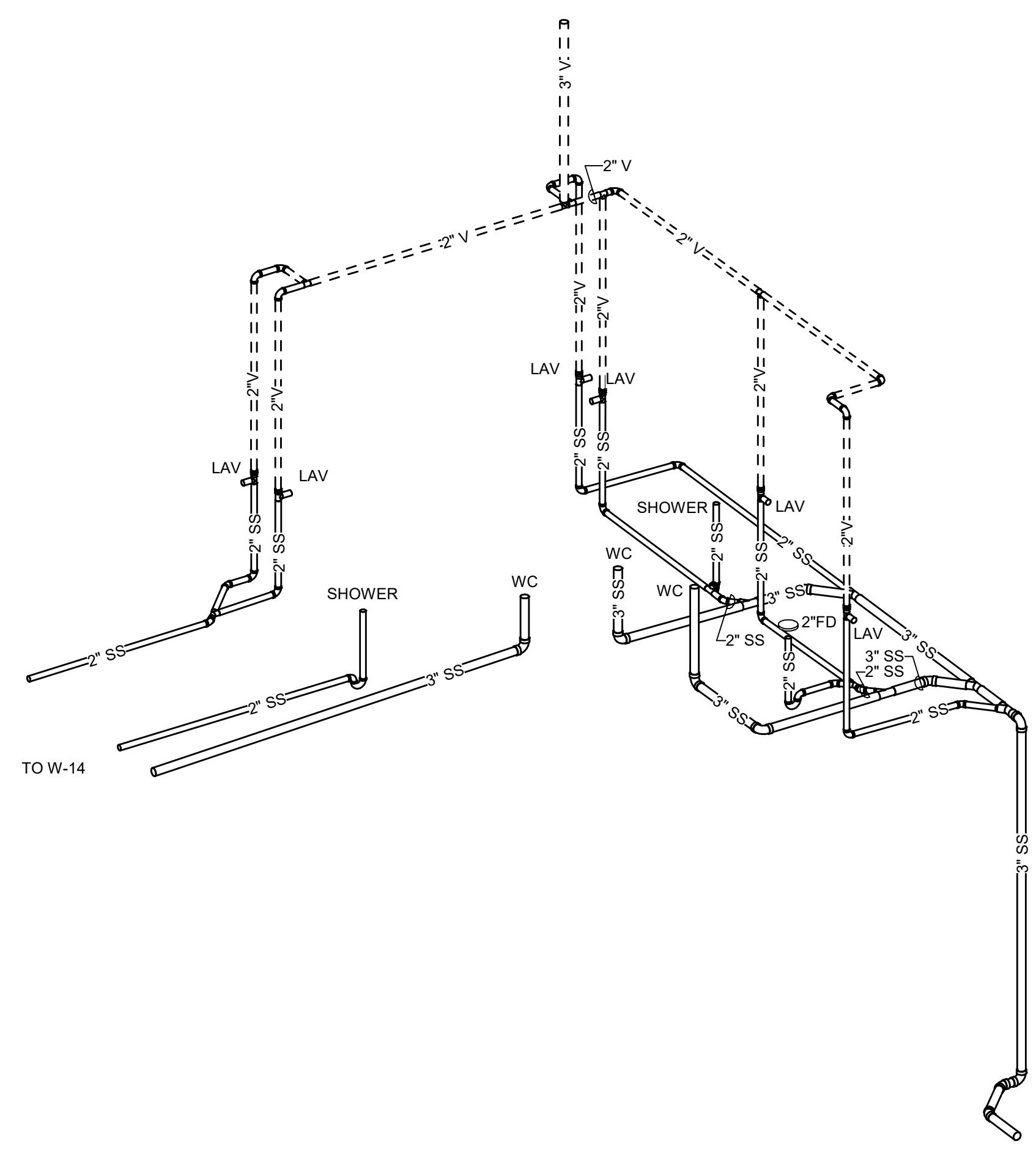
5 W-12



6 W-13



7 W-14



8 W-15



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Signature

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Typed or Printed Name

Mechanical  
Discipline 06/19/23  
Date

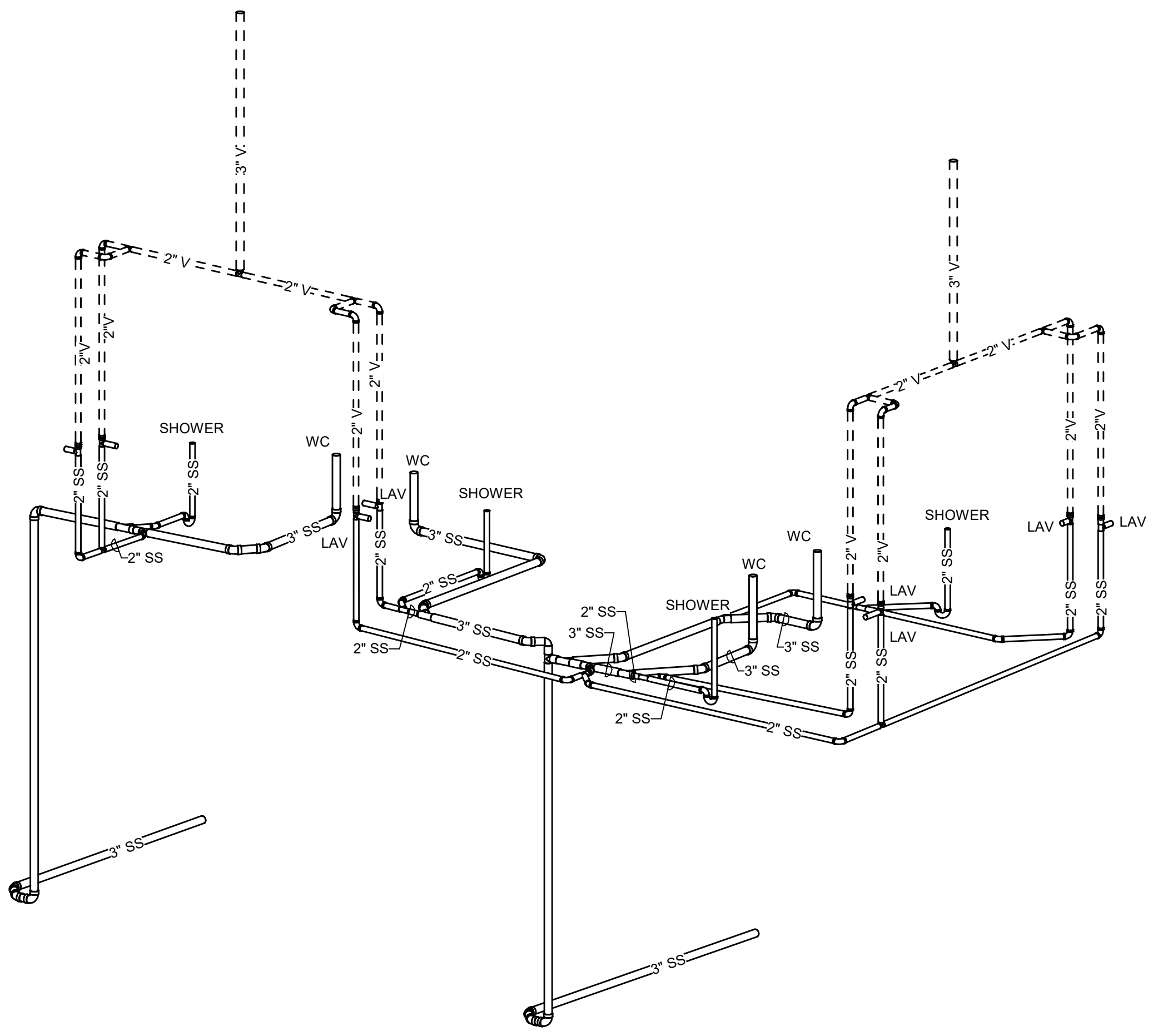
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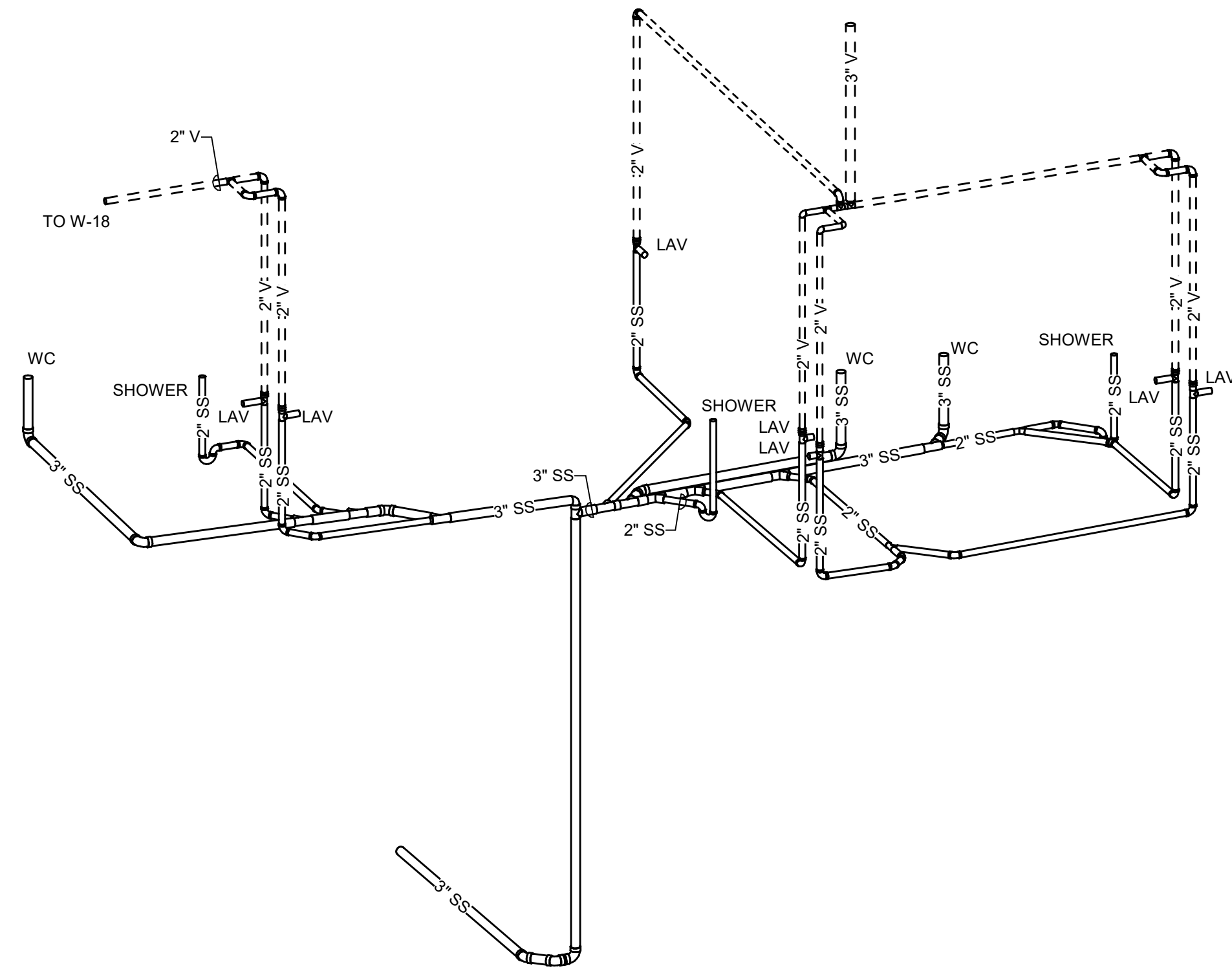
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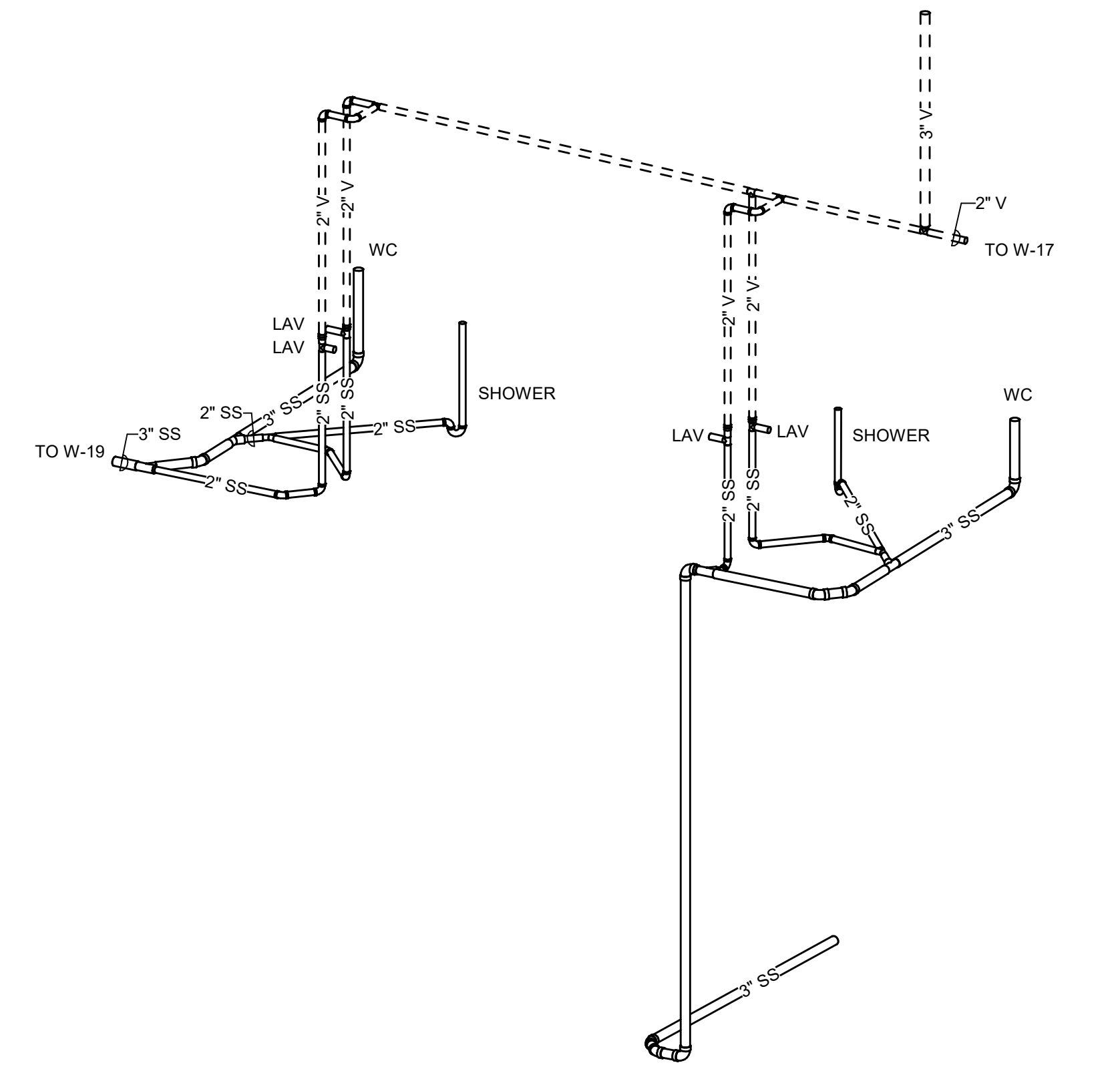
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**M4.2**



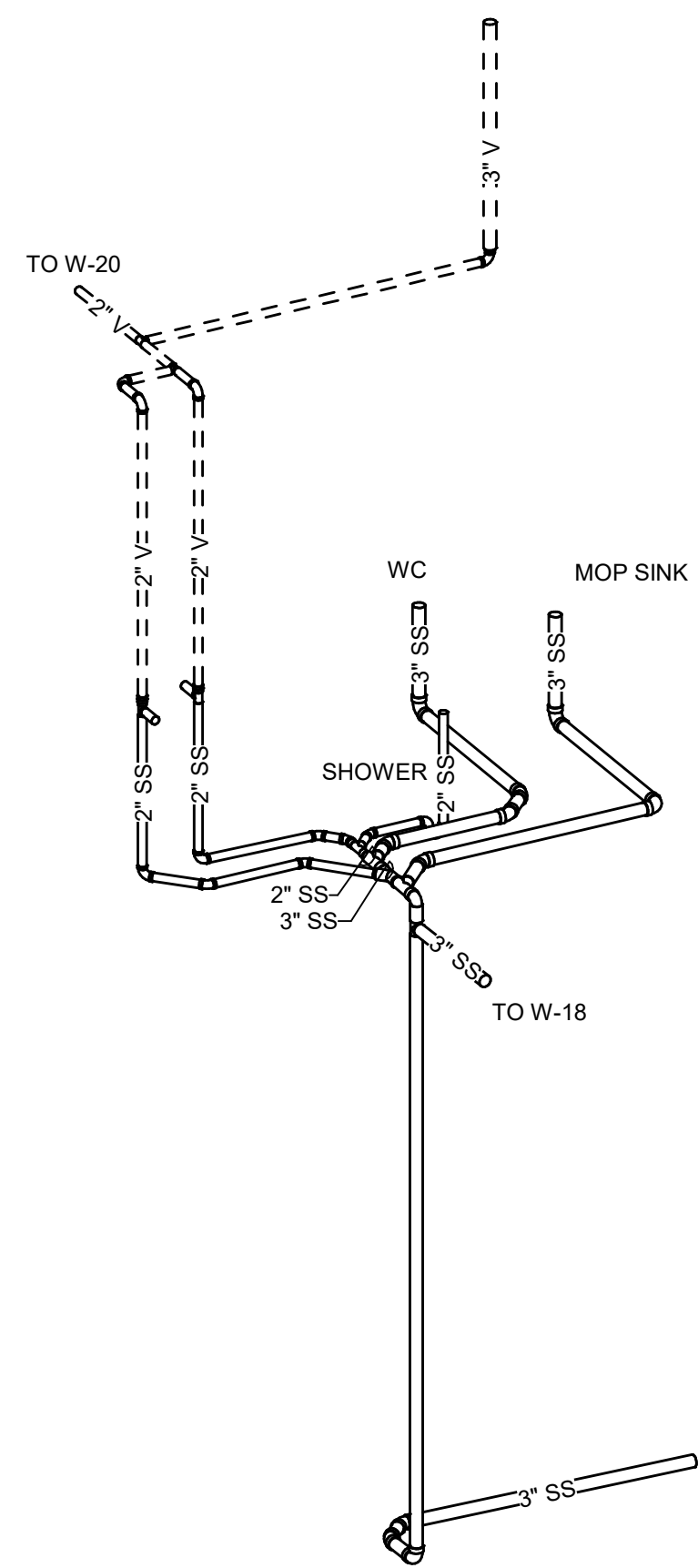
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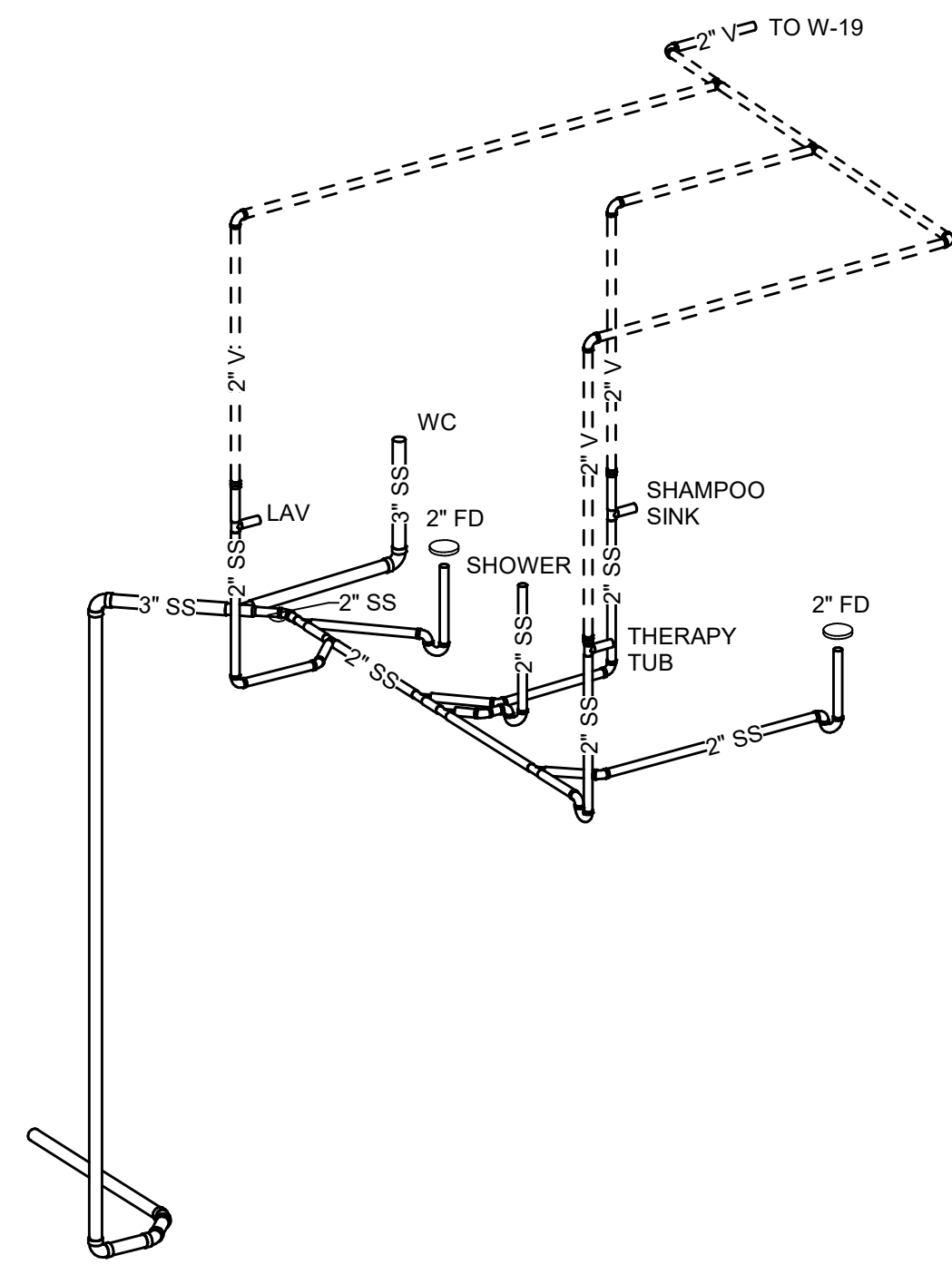
2 W-17



3 W-18



4 W-19



5 W-20



*Mark R. Brennan*  
Signature

Mark R. Brennan  
Type of Project: Home

Mechanical Discipline Date: 06/19/23

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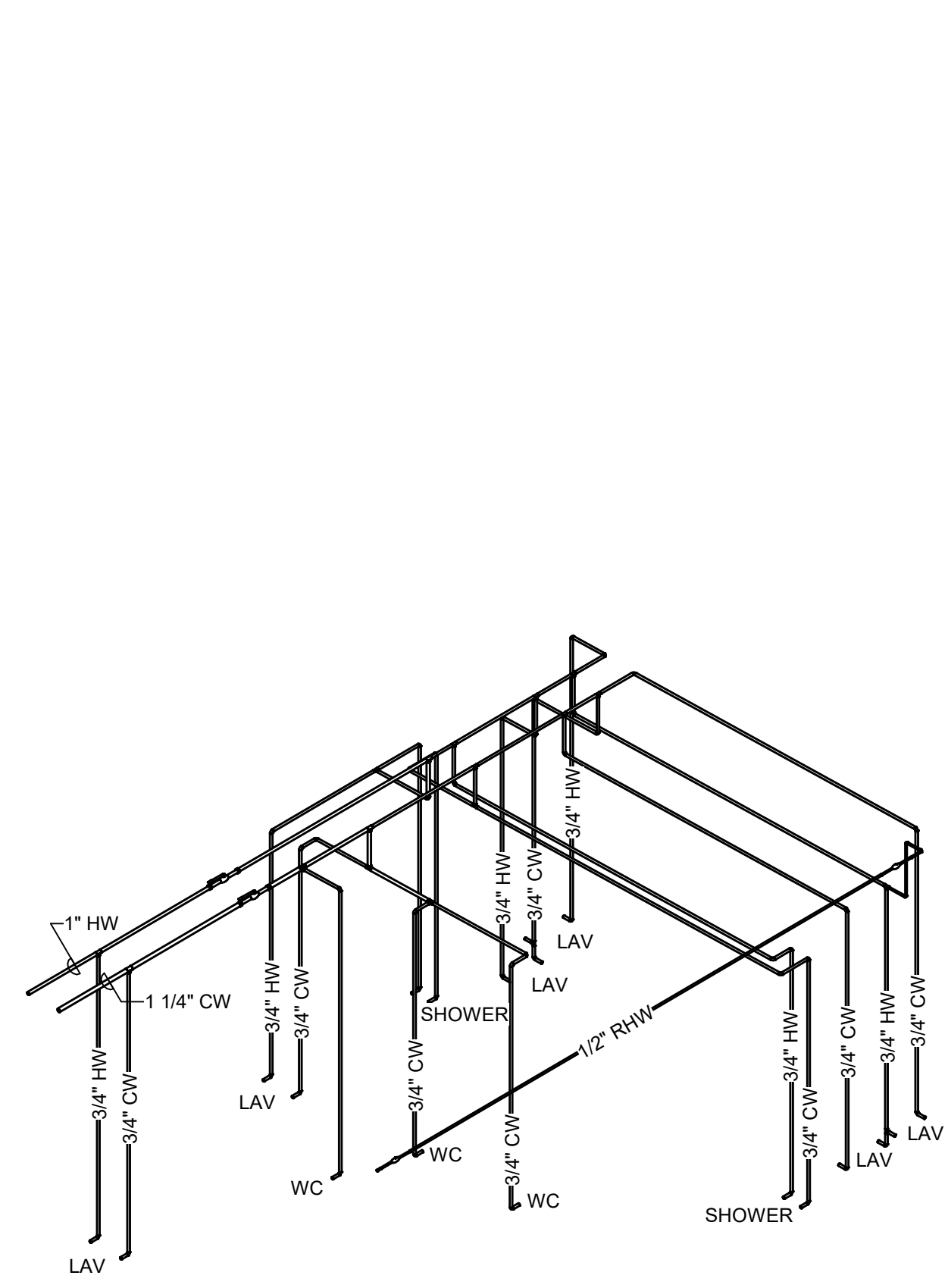
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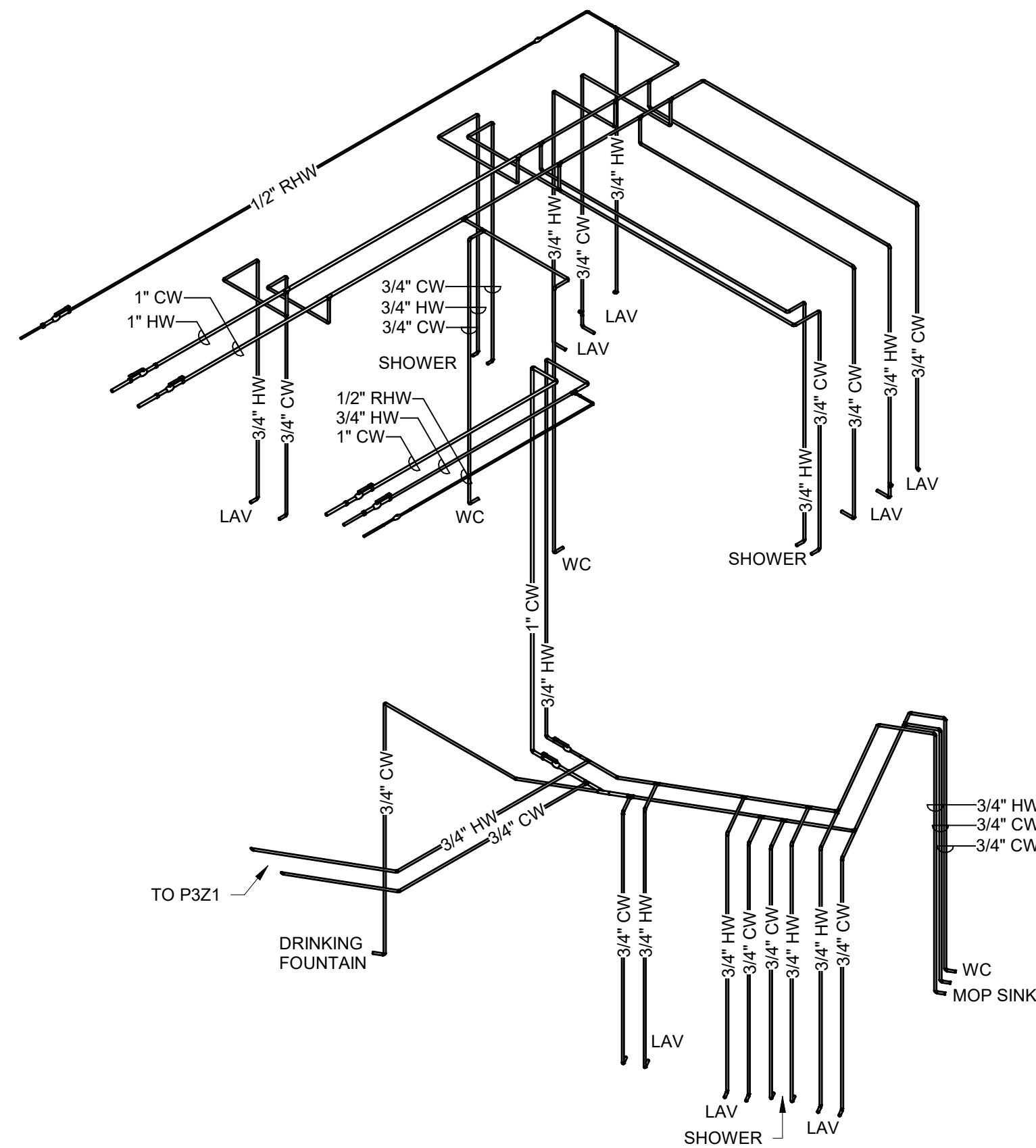
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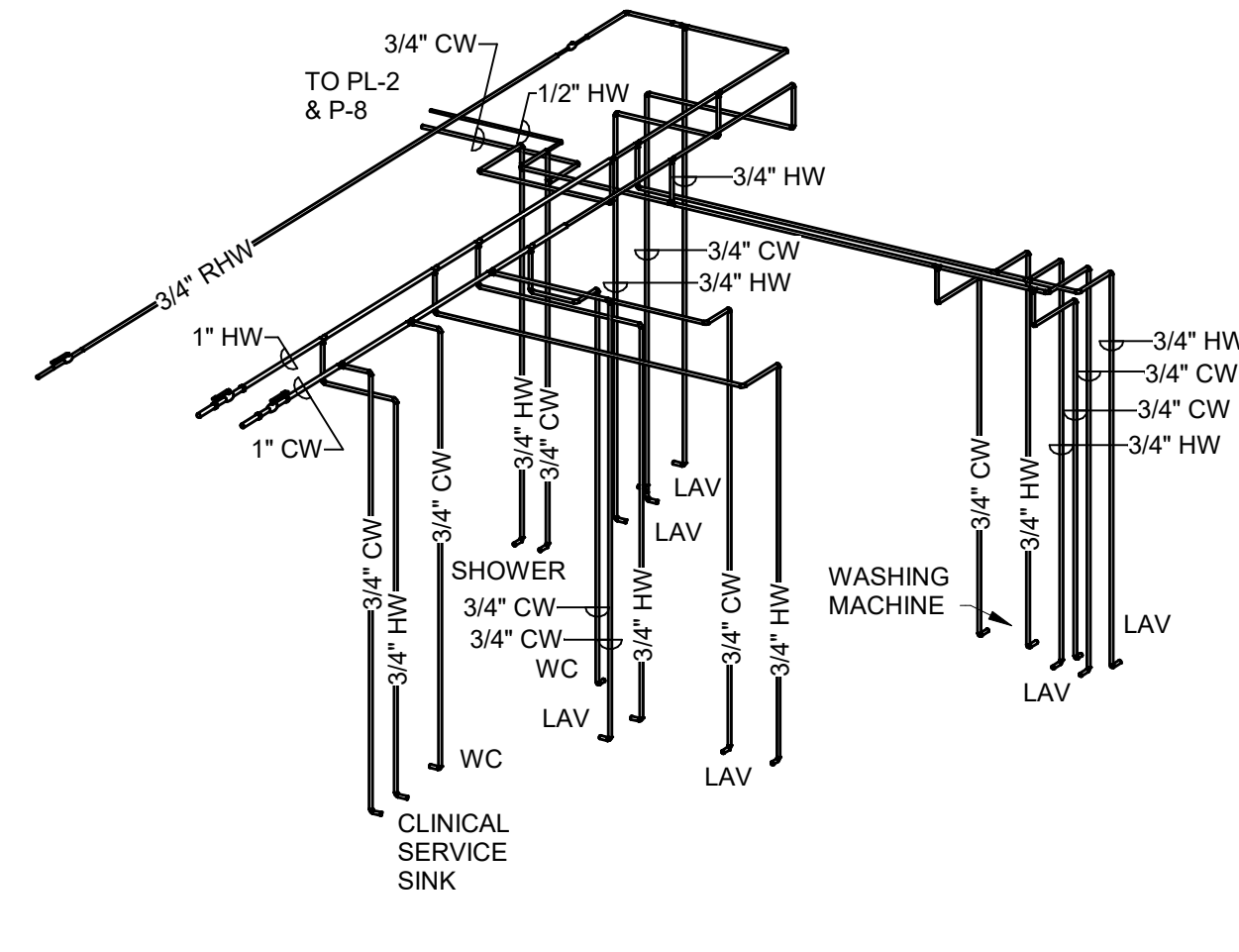
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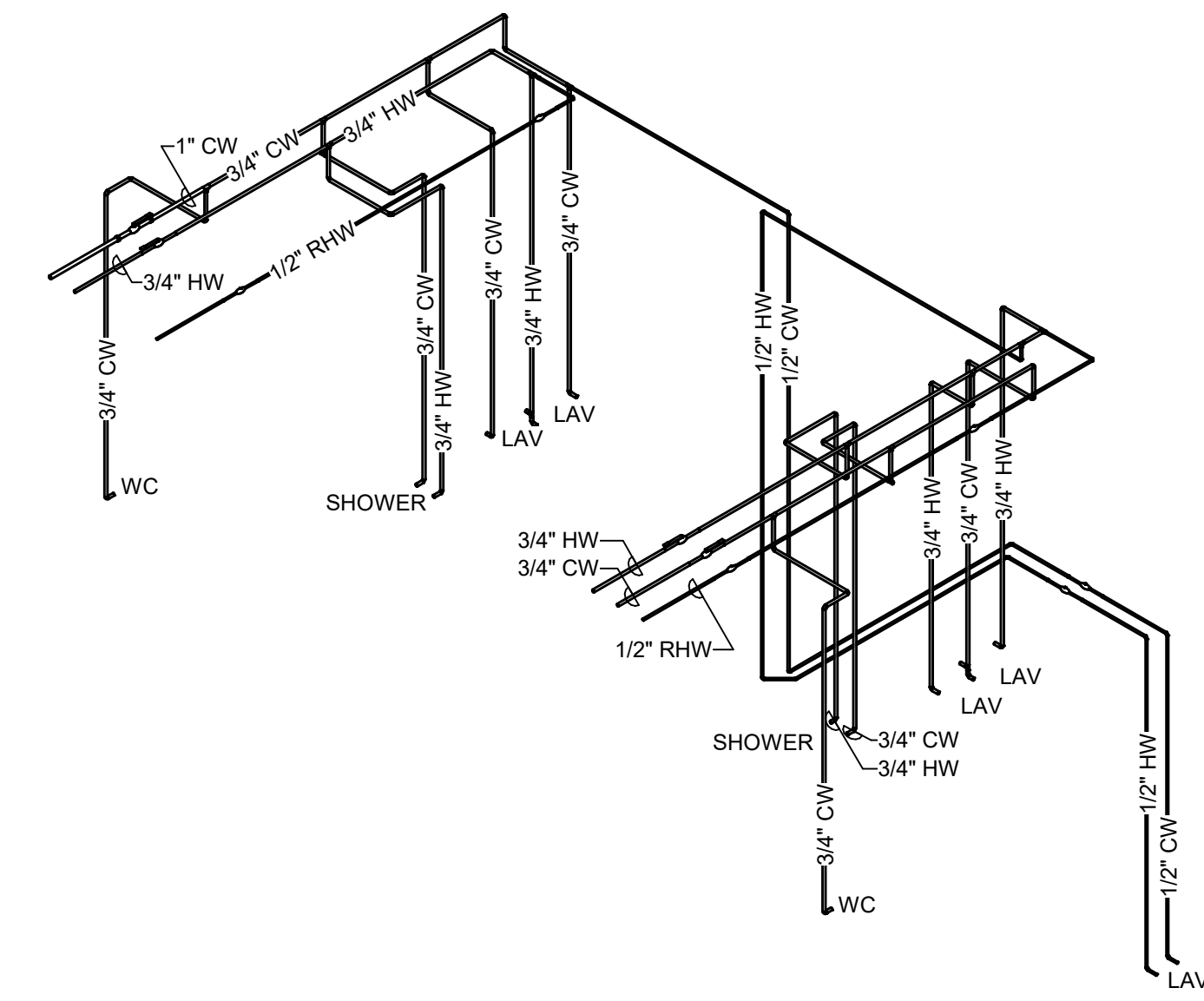
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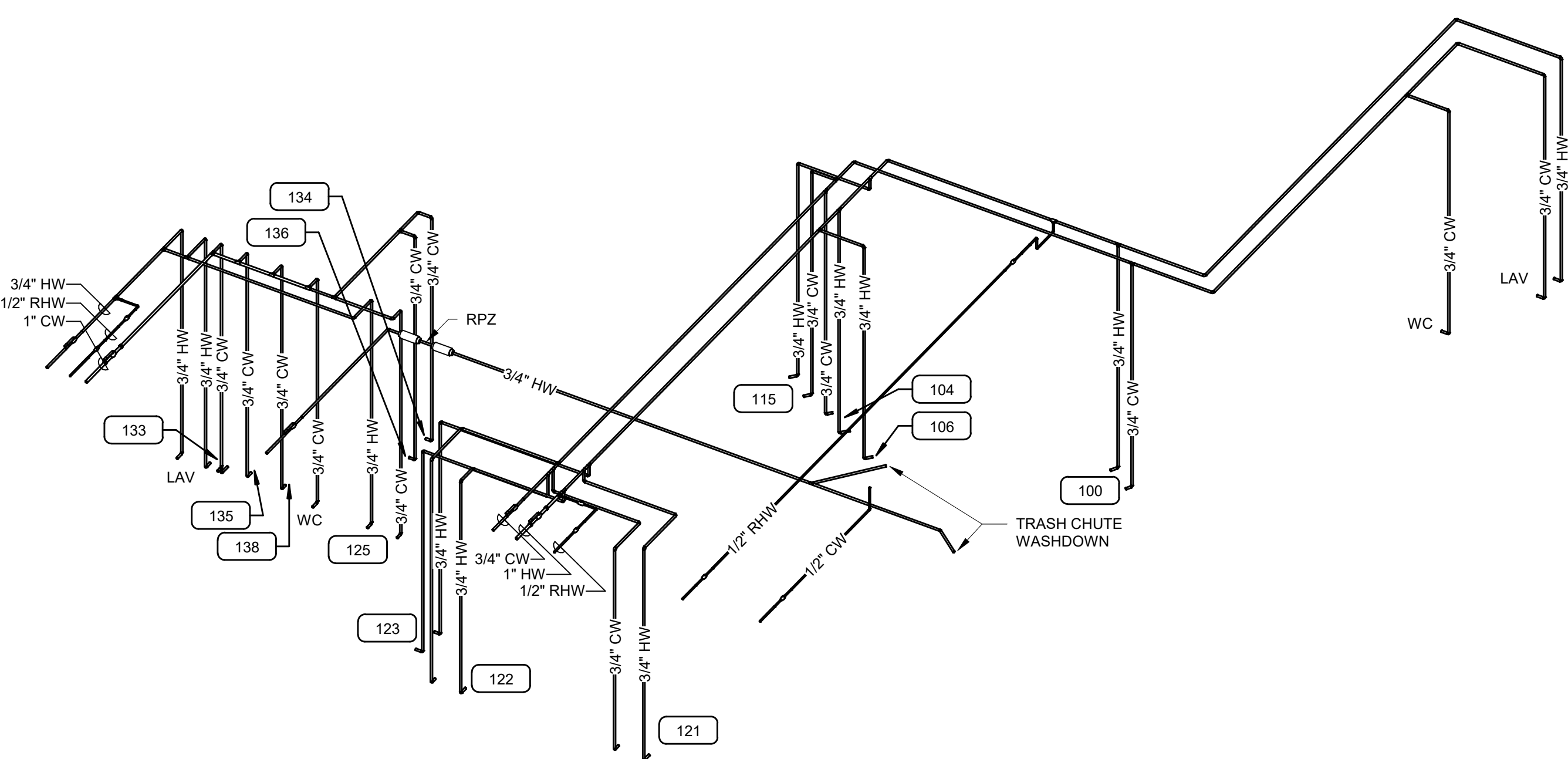
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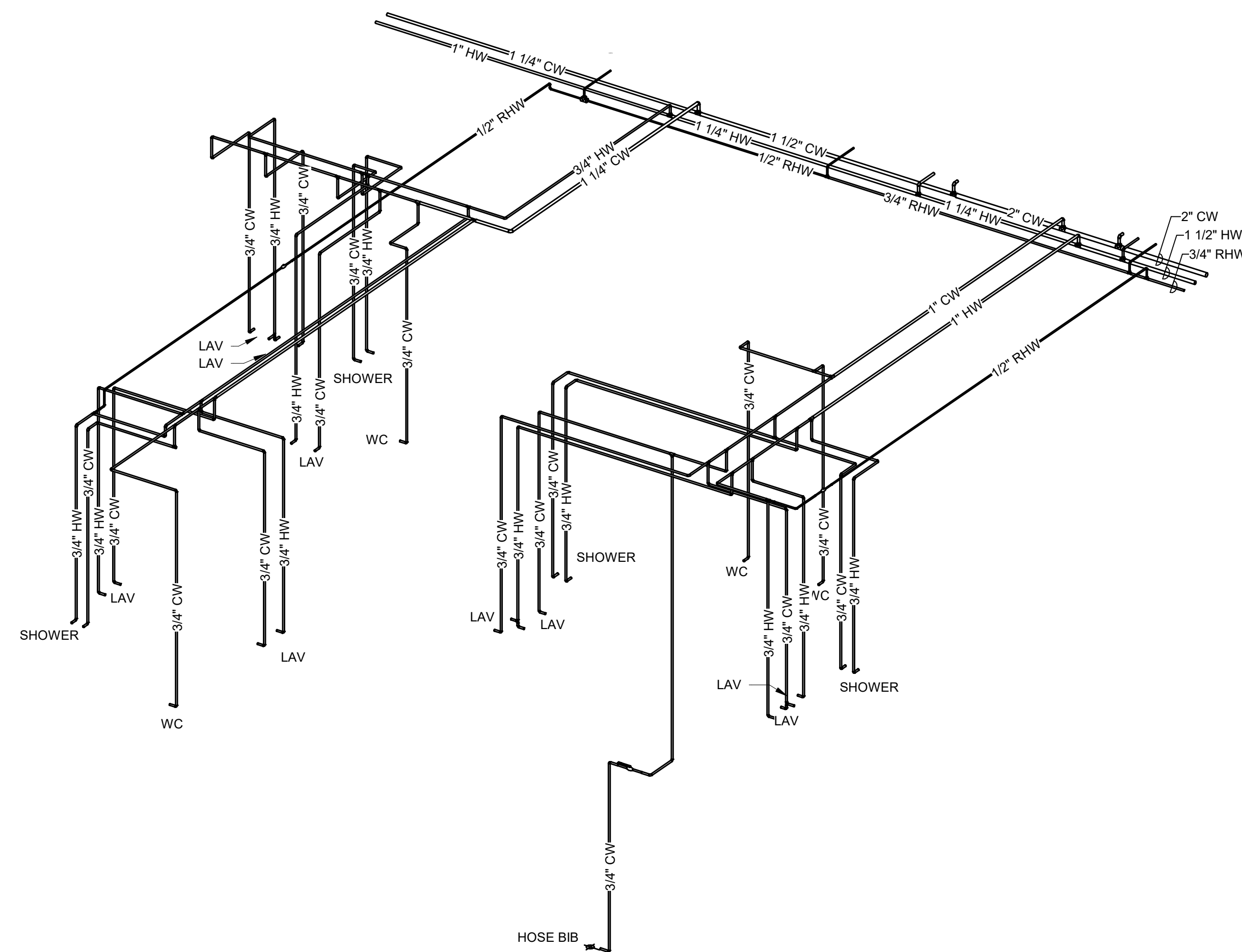
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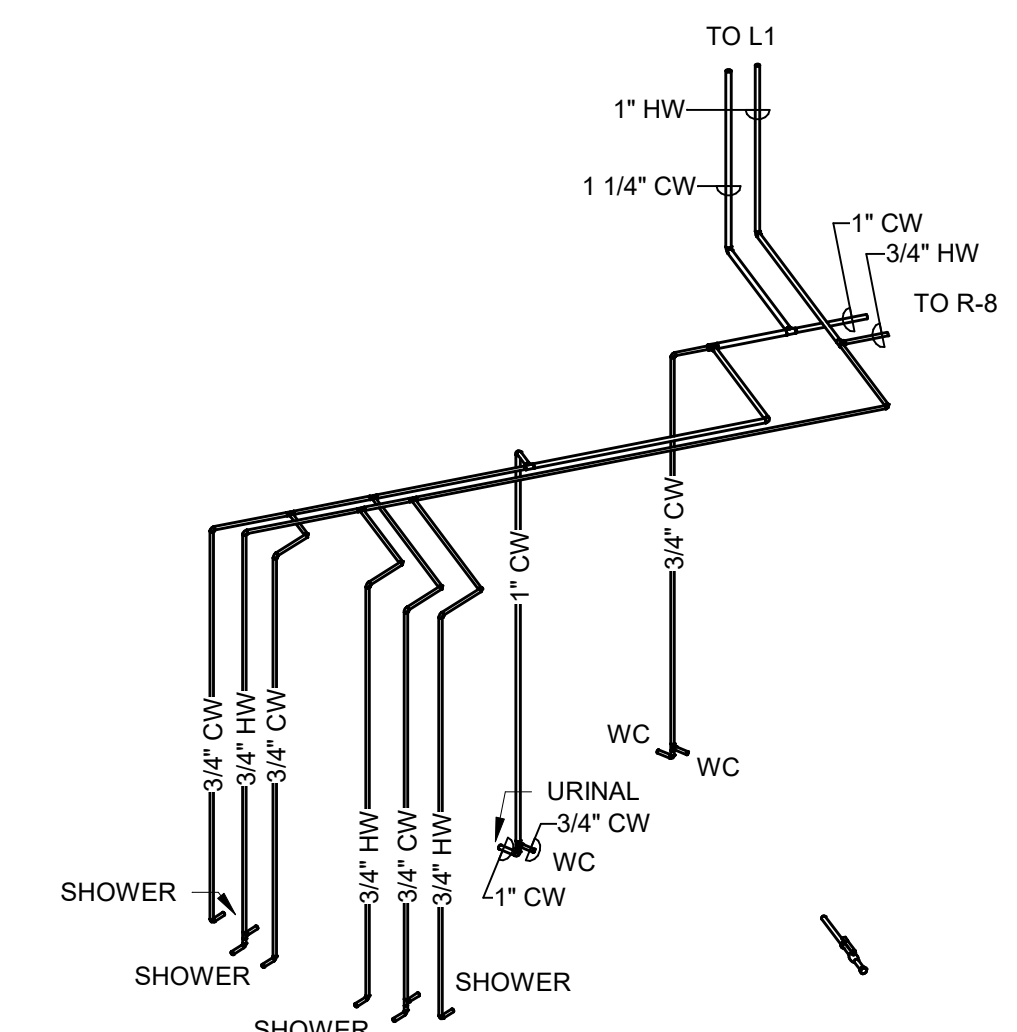
4 R-4



5 R-5



6 R-6



7 R-7



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Signature

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Typed or Printed Name

Mechanical Discipline 06/19/23 Date

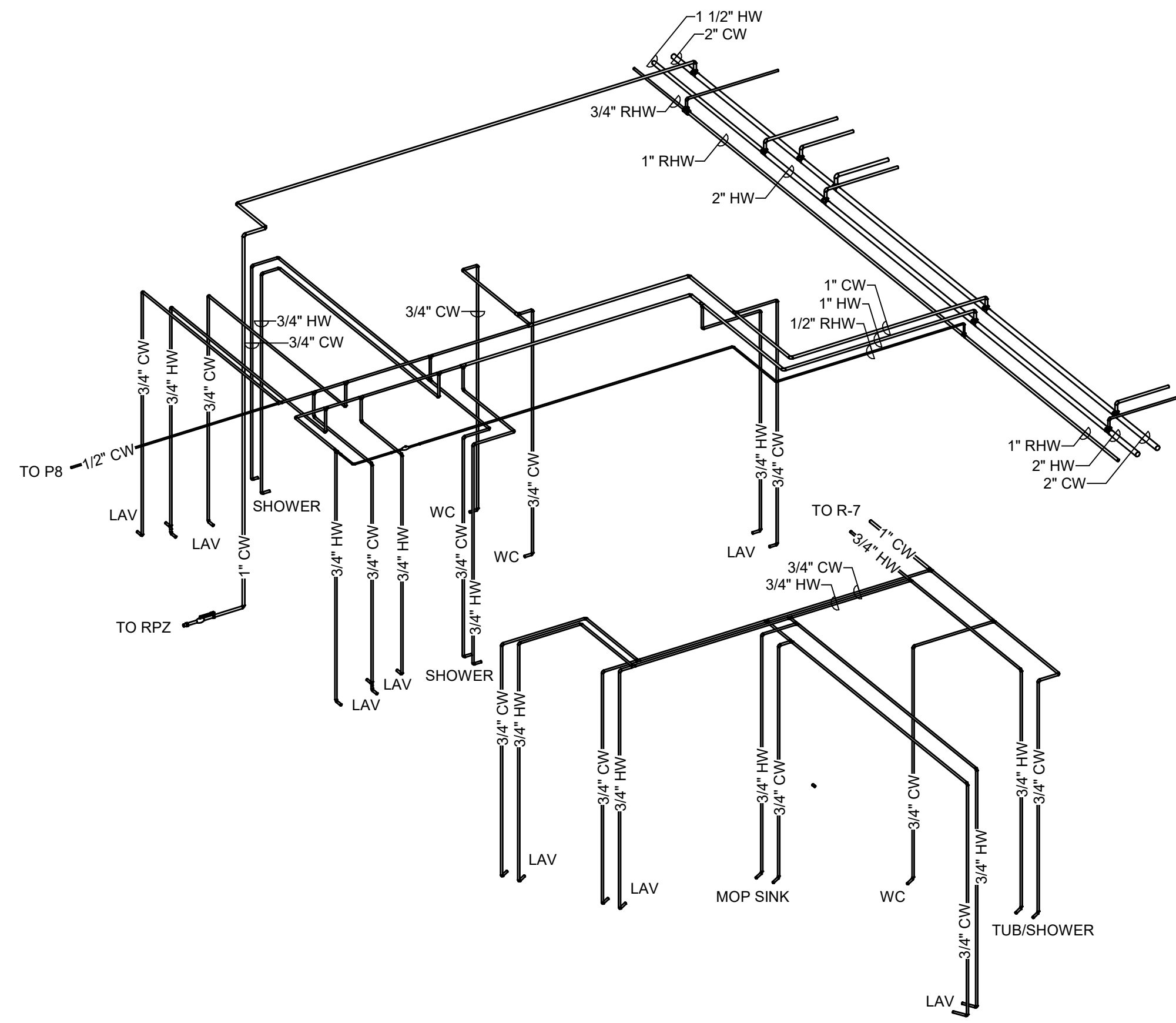
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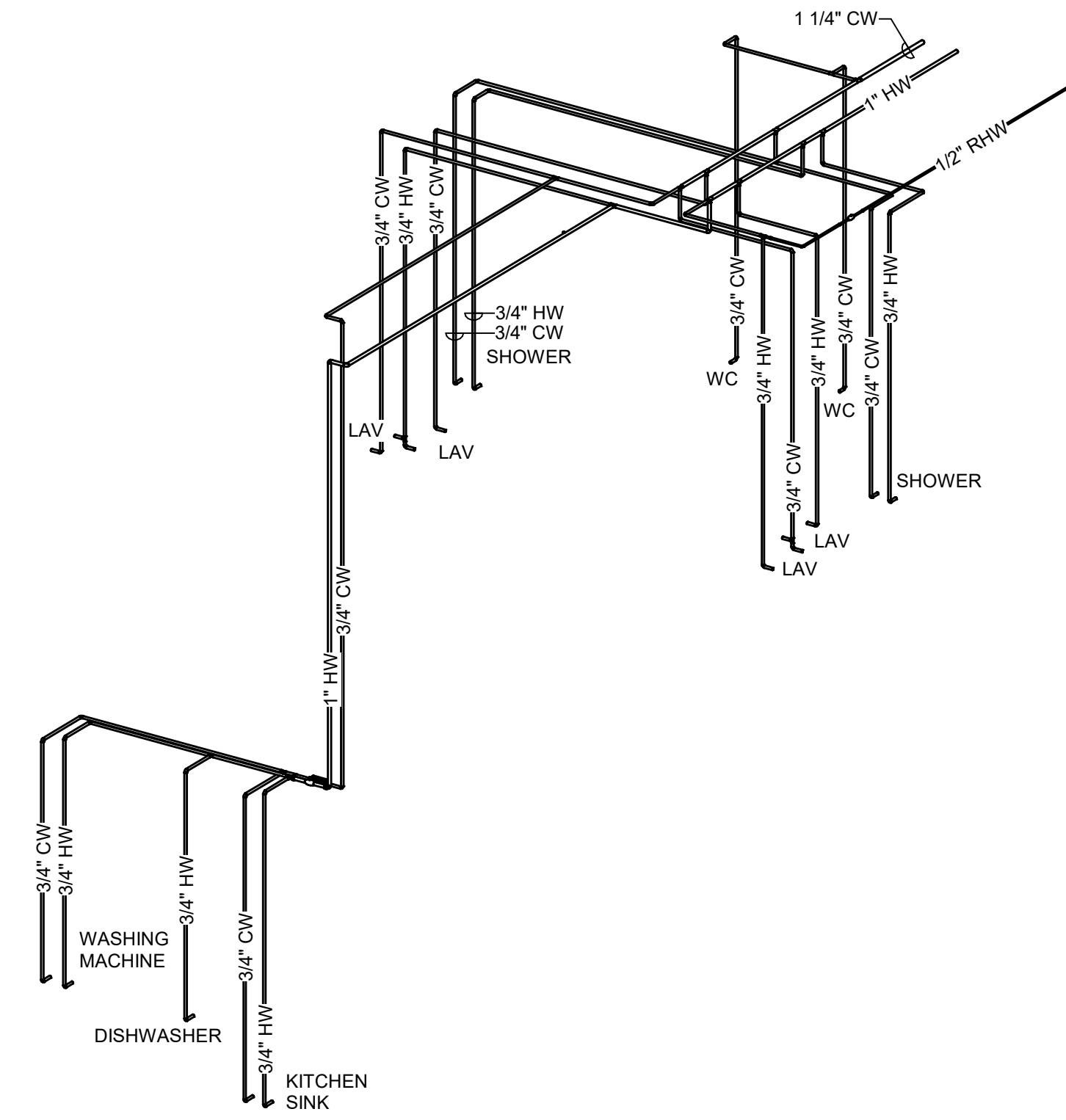
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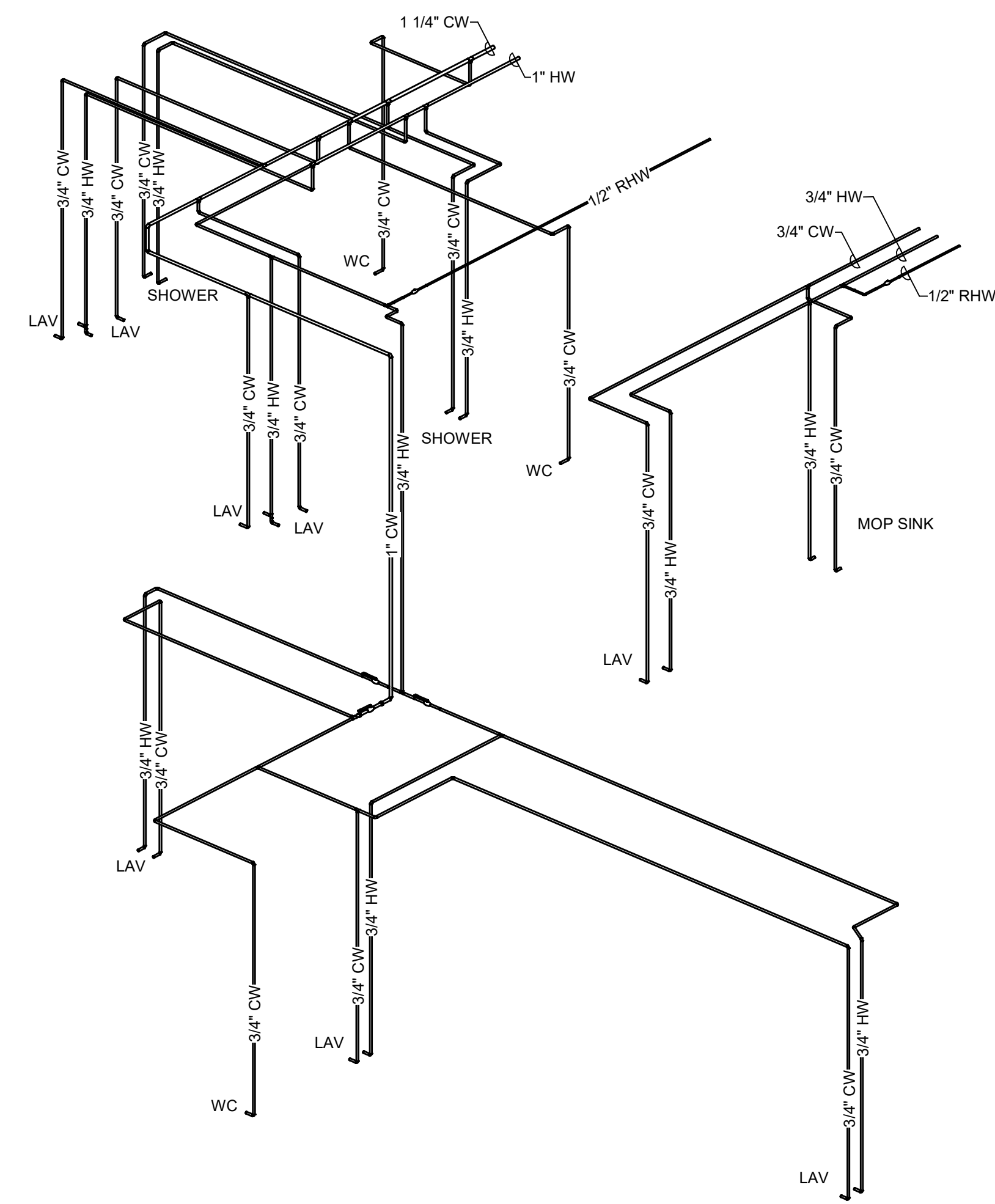
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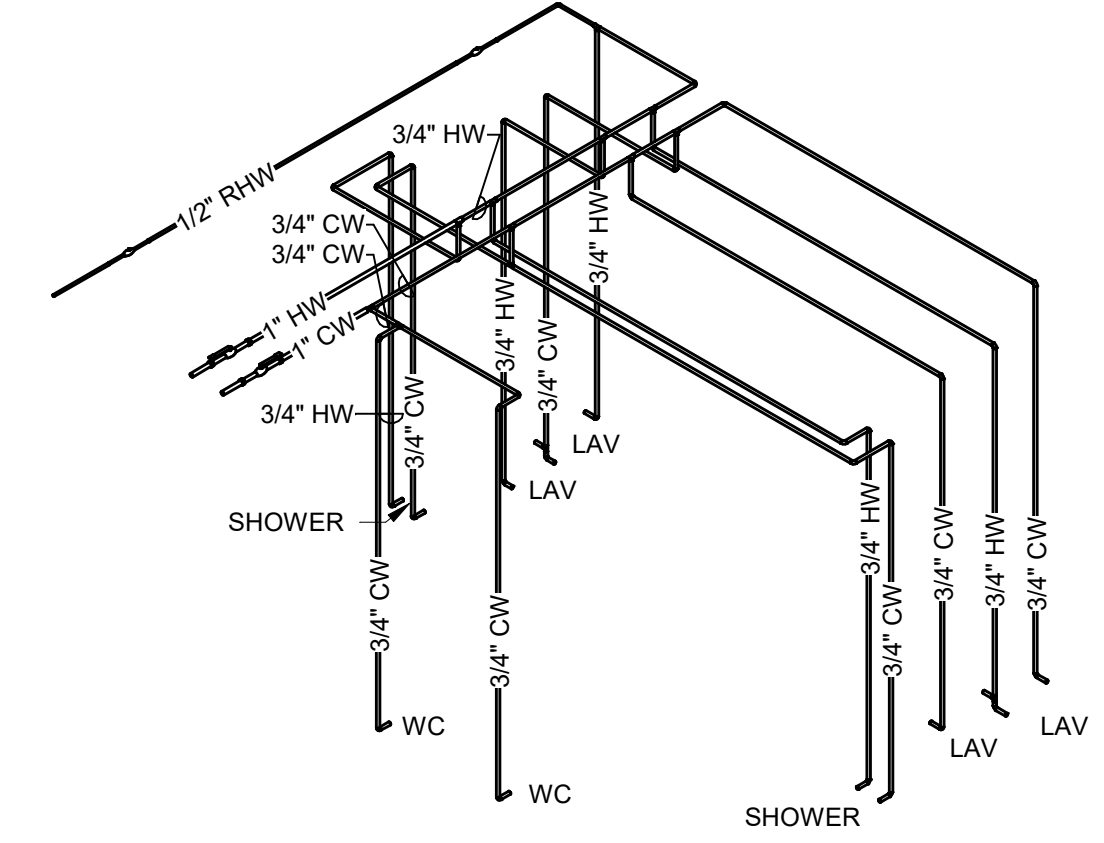
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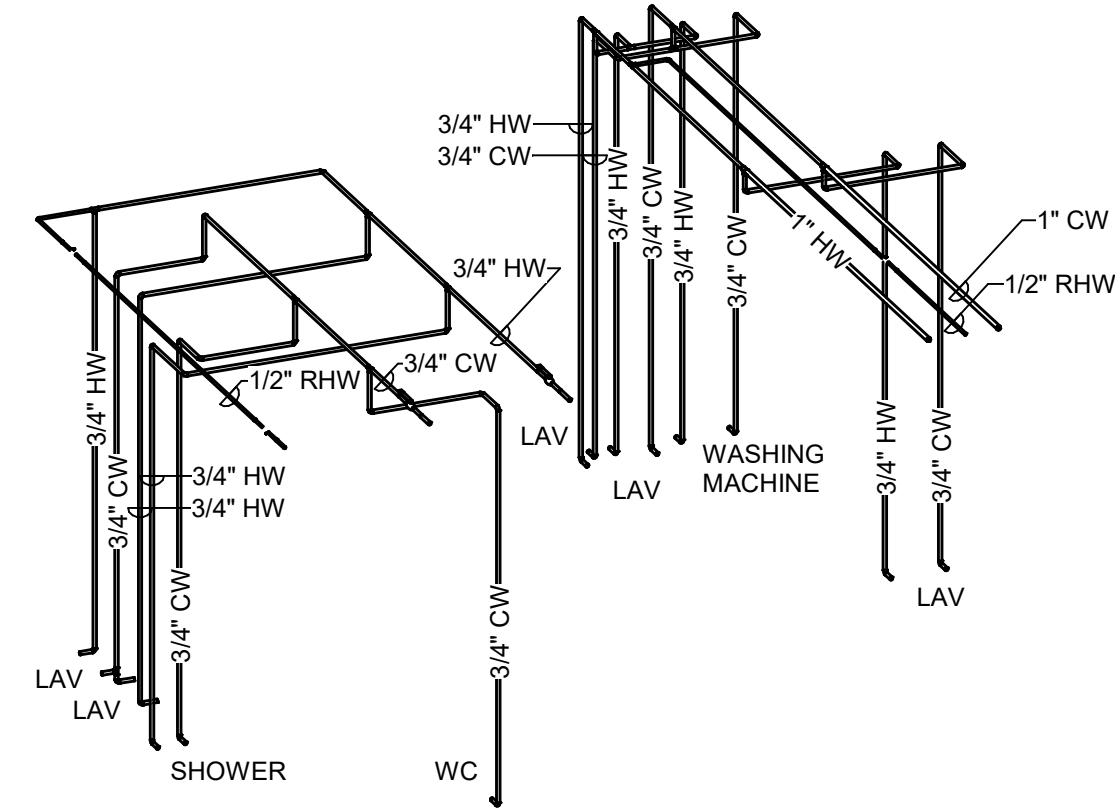
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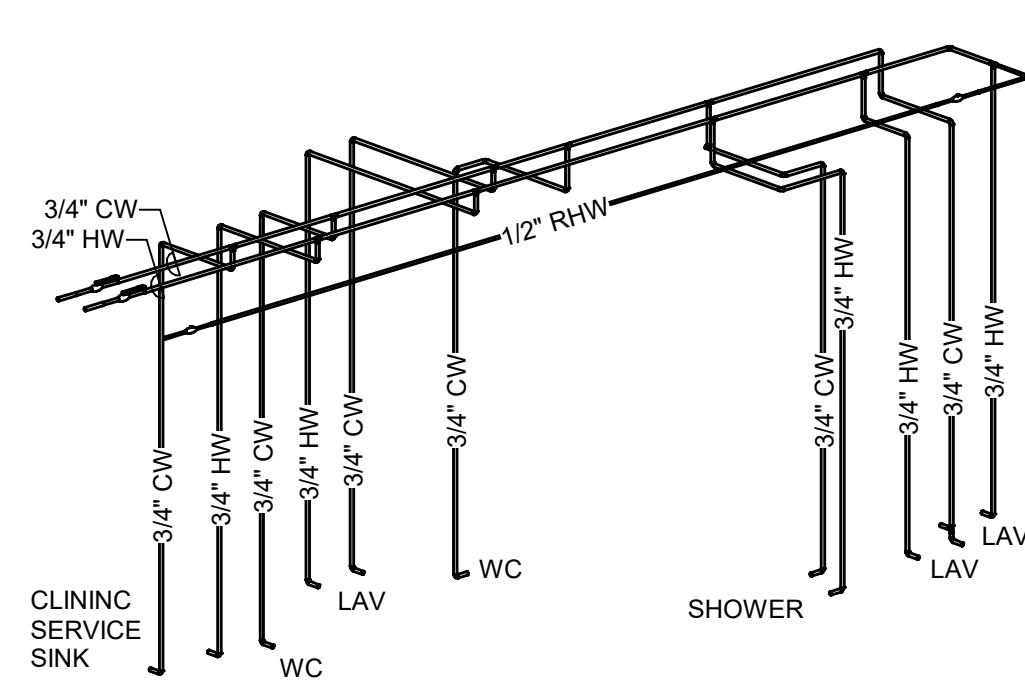
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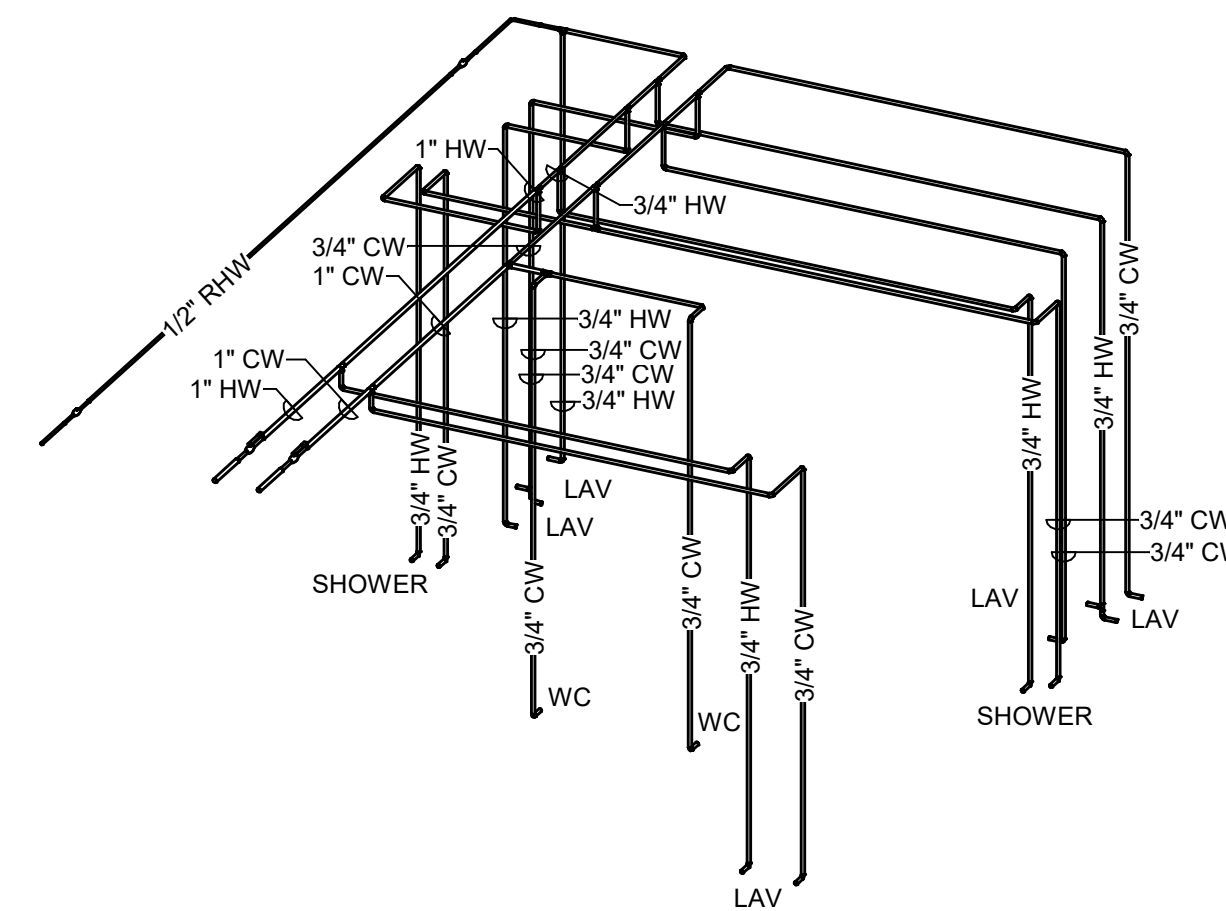
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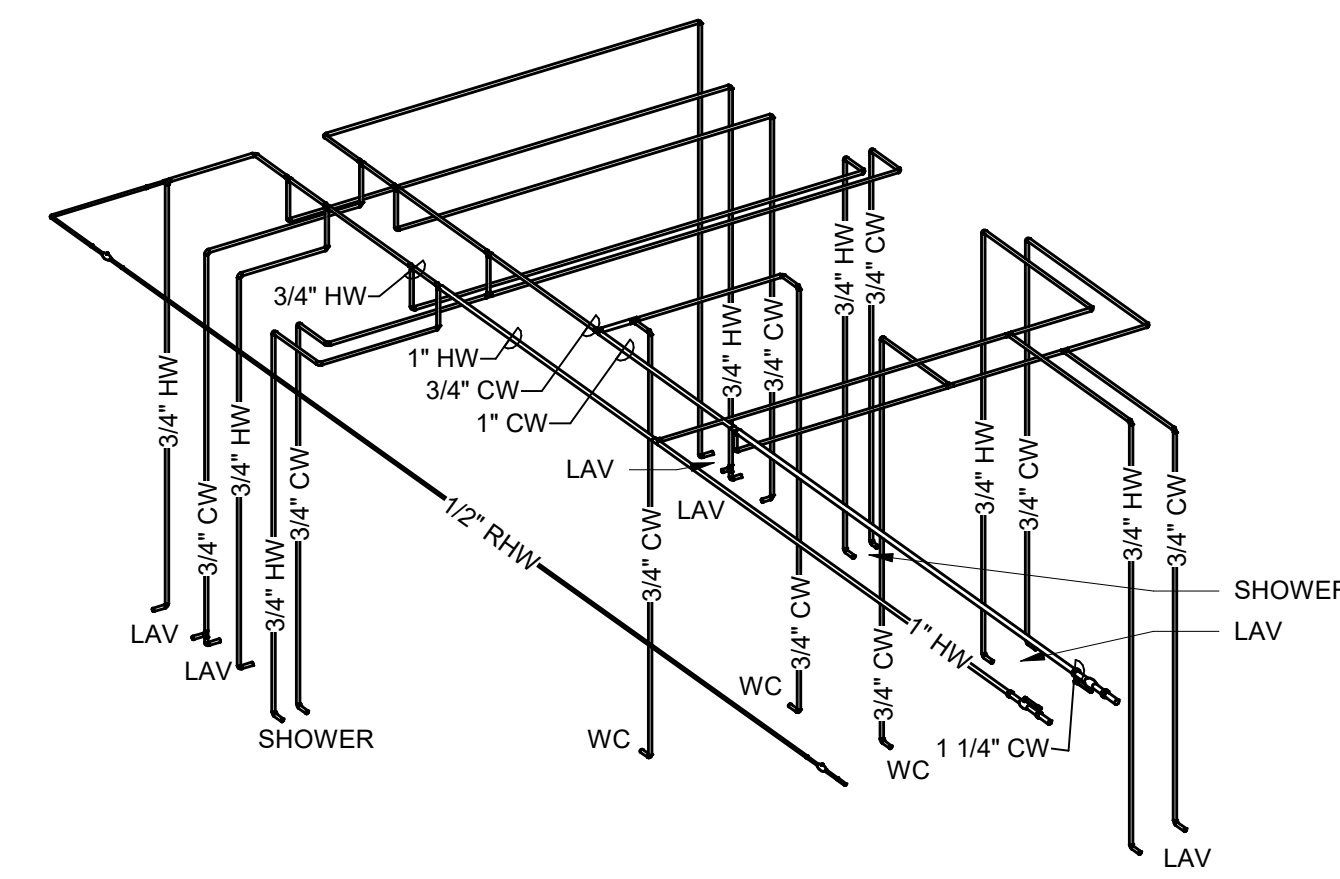
5 R-12



6 R-13



7 R-14



8 R-15



*Mark R. Brennan*  
Signature

Mark R. Brennan  
Type of Firms/Individual Name

Mechanical Discipline 06/19/23 Date

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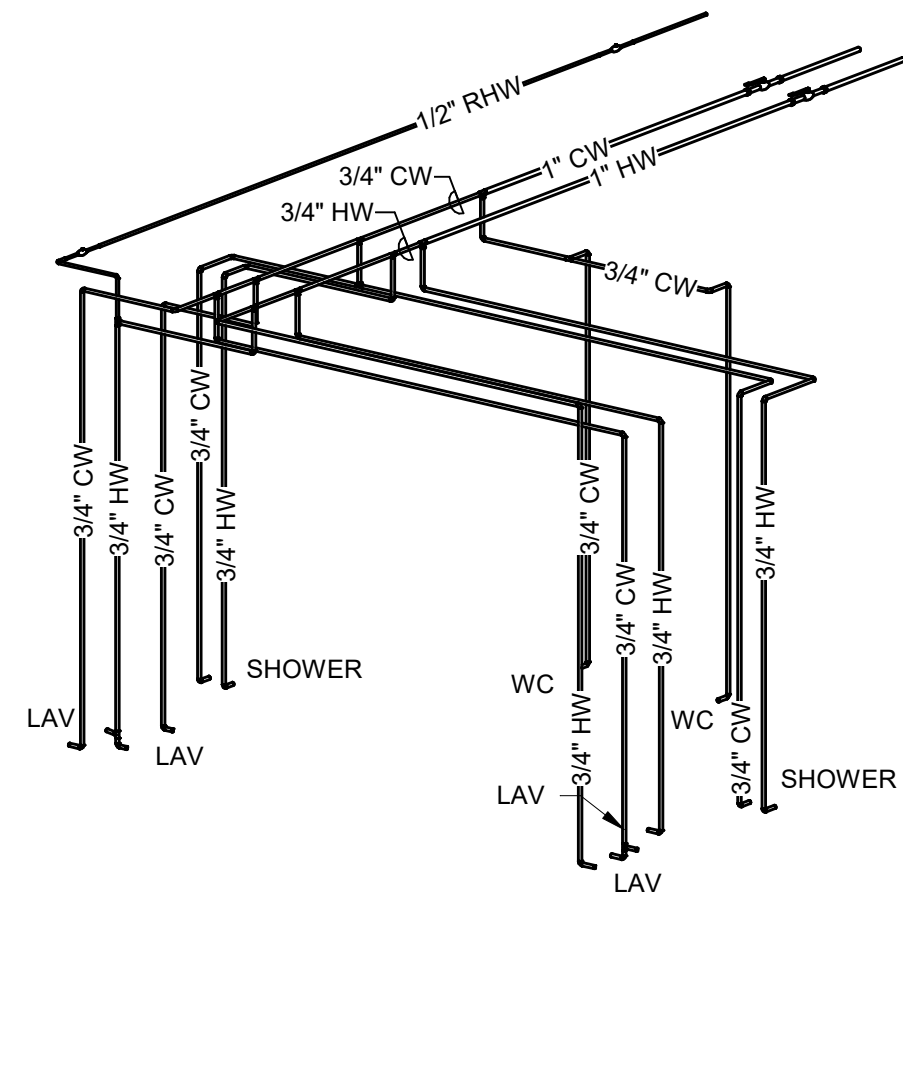
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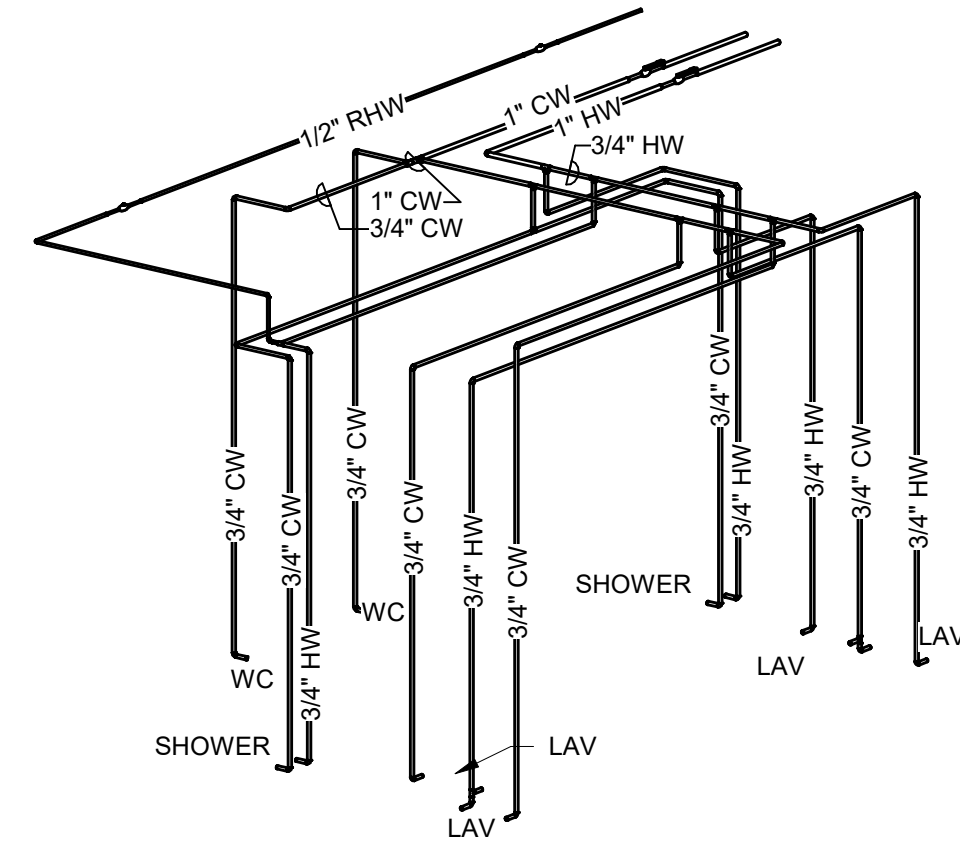
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PLUMBING RISERS

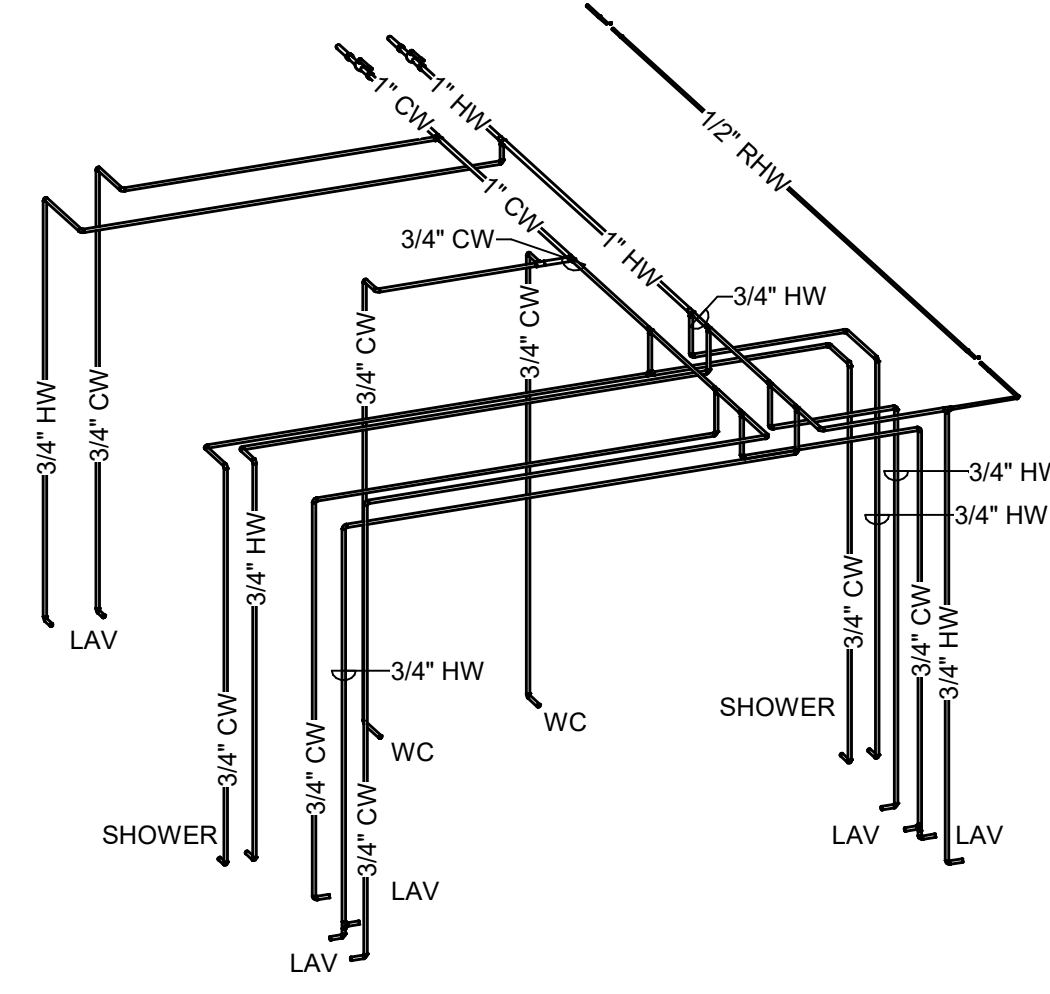
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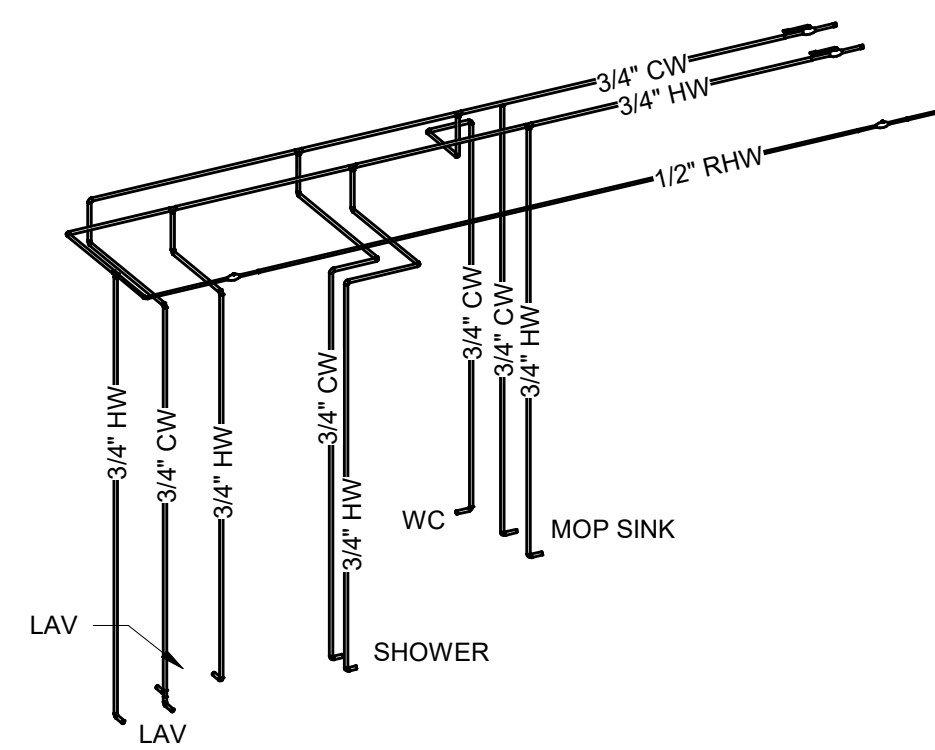
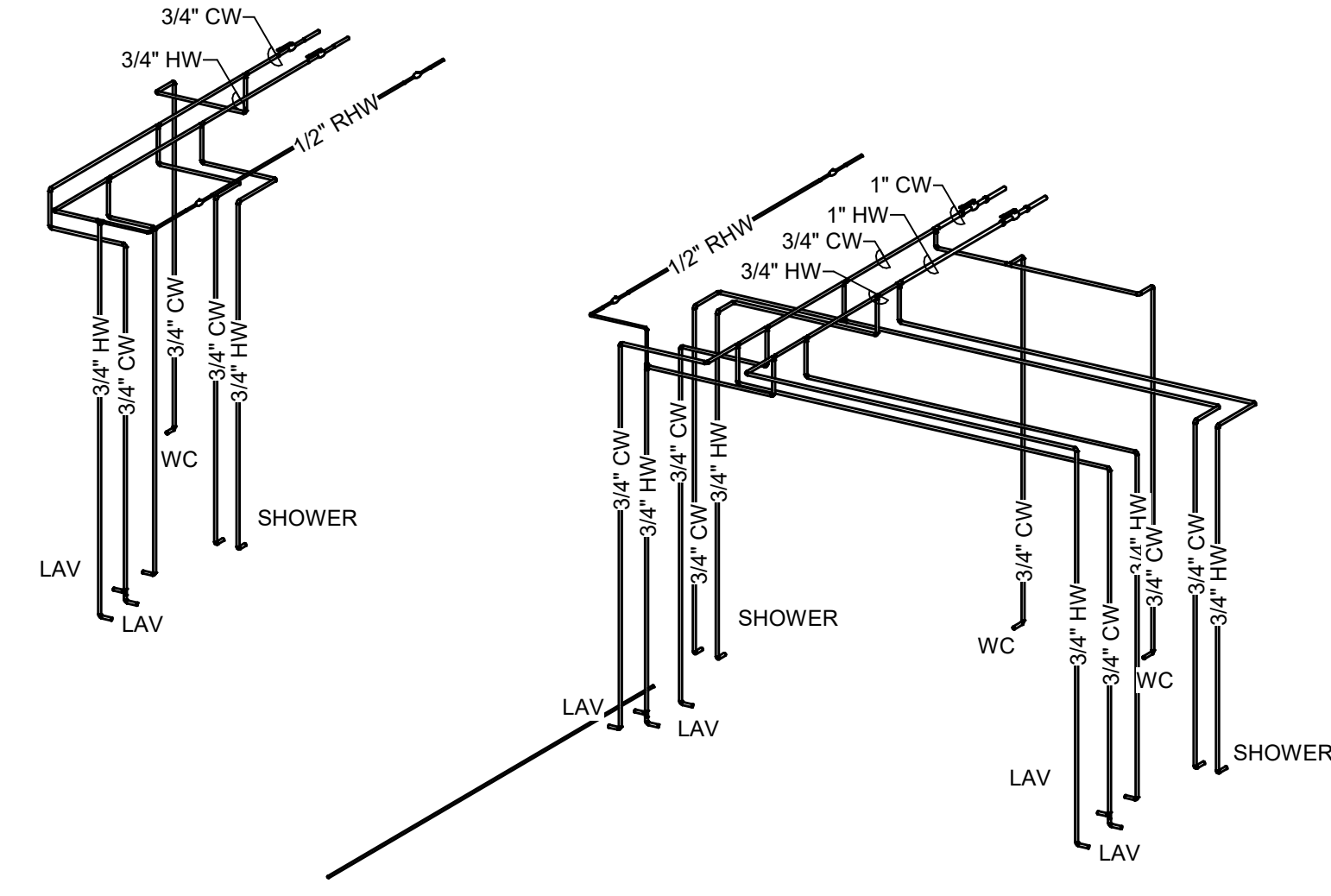
1 R-16



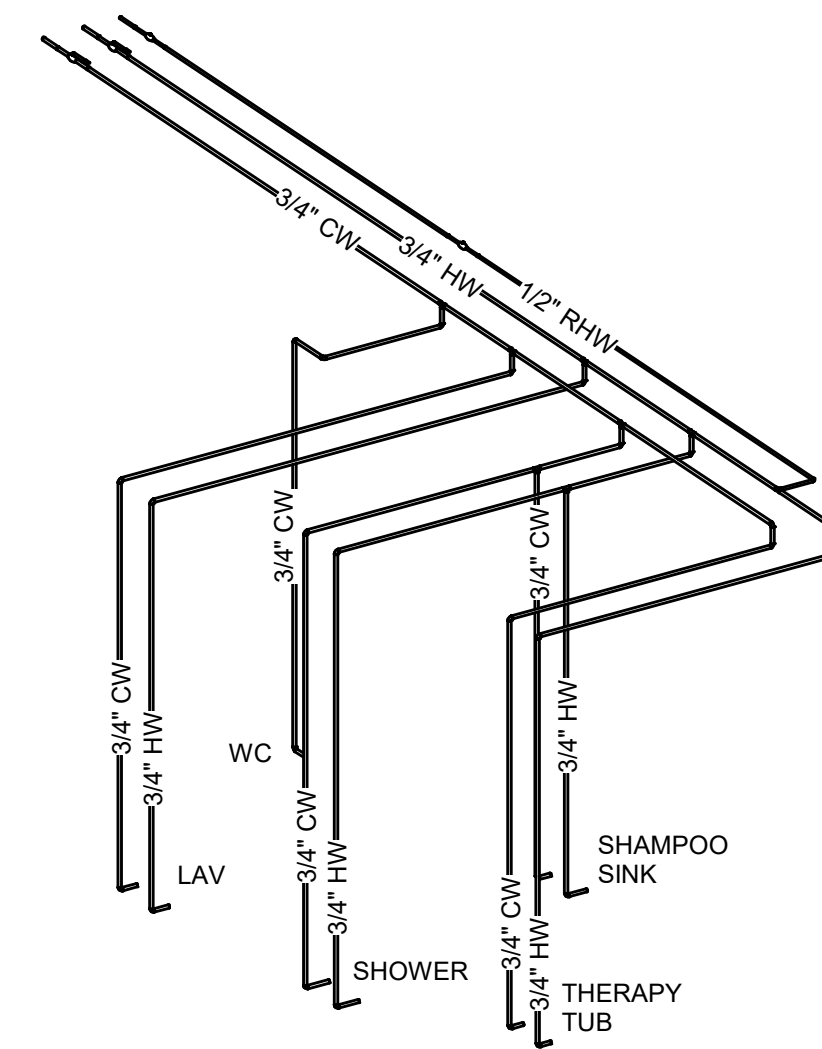
2 R-17



3 R-18



4 R-19



5 R-20

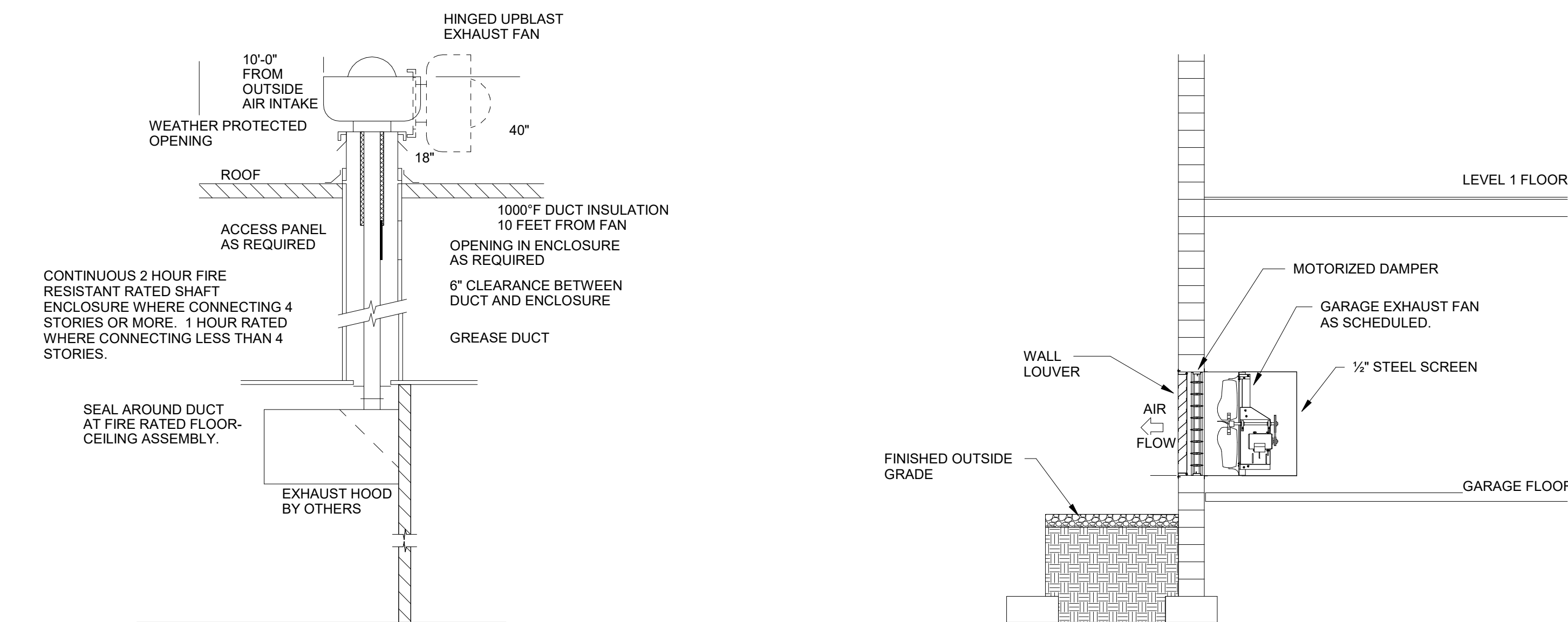


*Mark R. Brennanman*  
Signature

Mark R. Brennanman  
Type of Printed Name

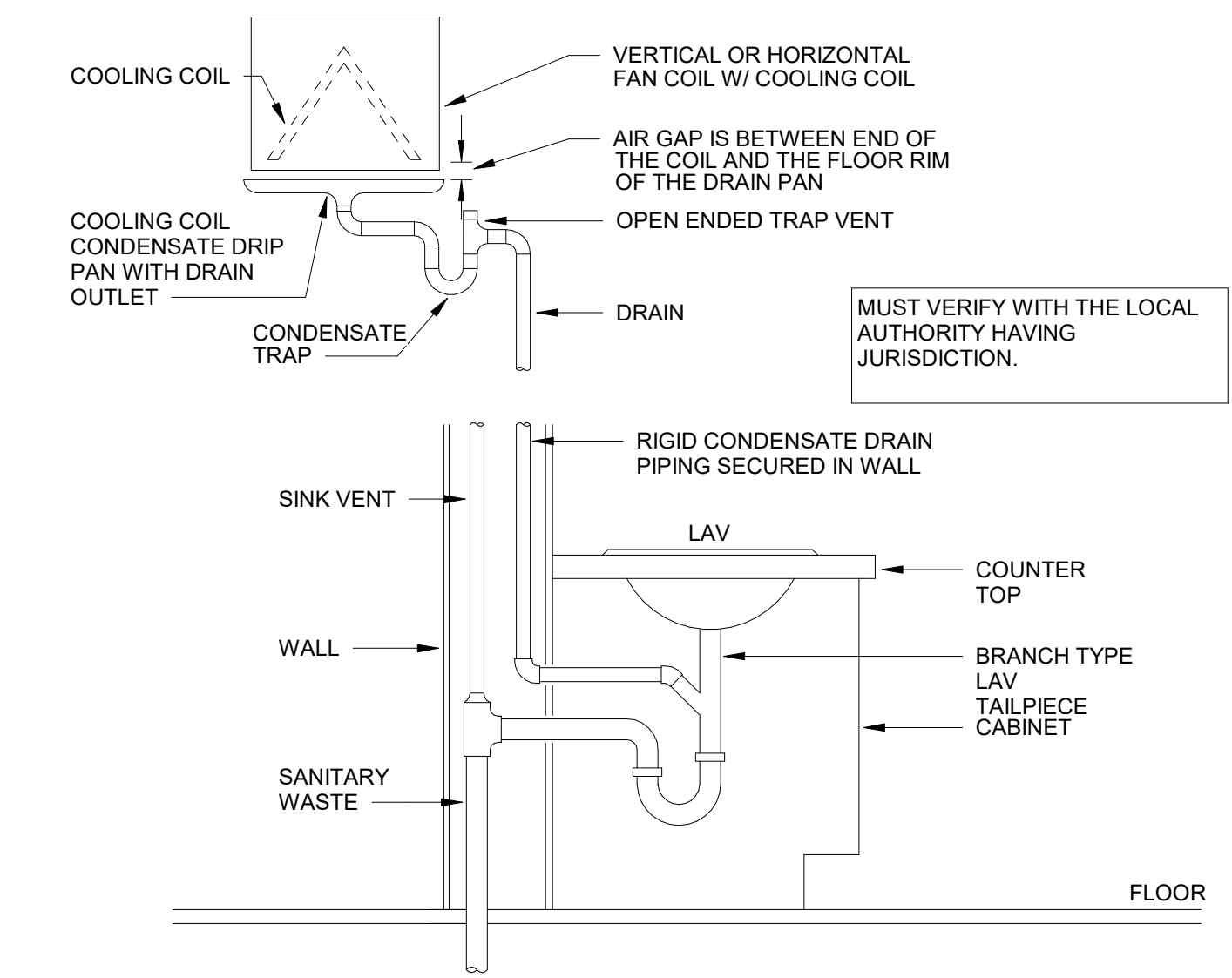
Mechanical 06/19/23  
Discipline Date

**WESLEY BRADLEY PARK  
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PUYALLUP, WA 98374

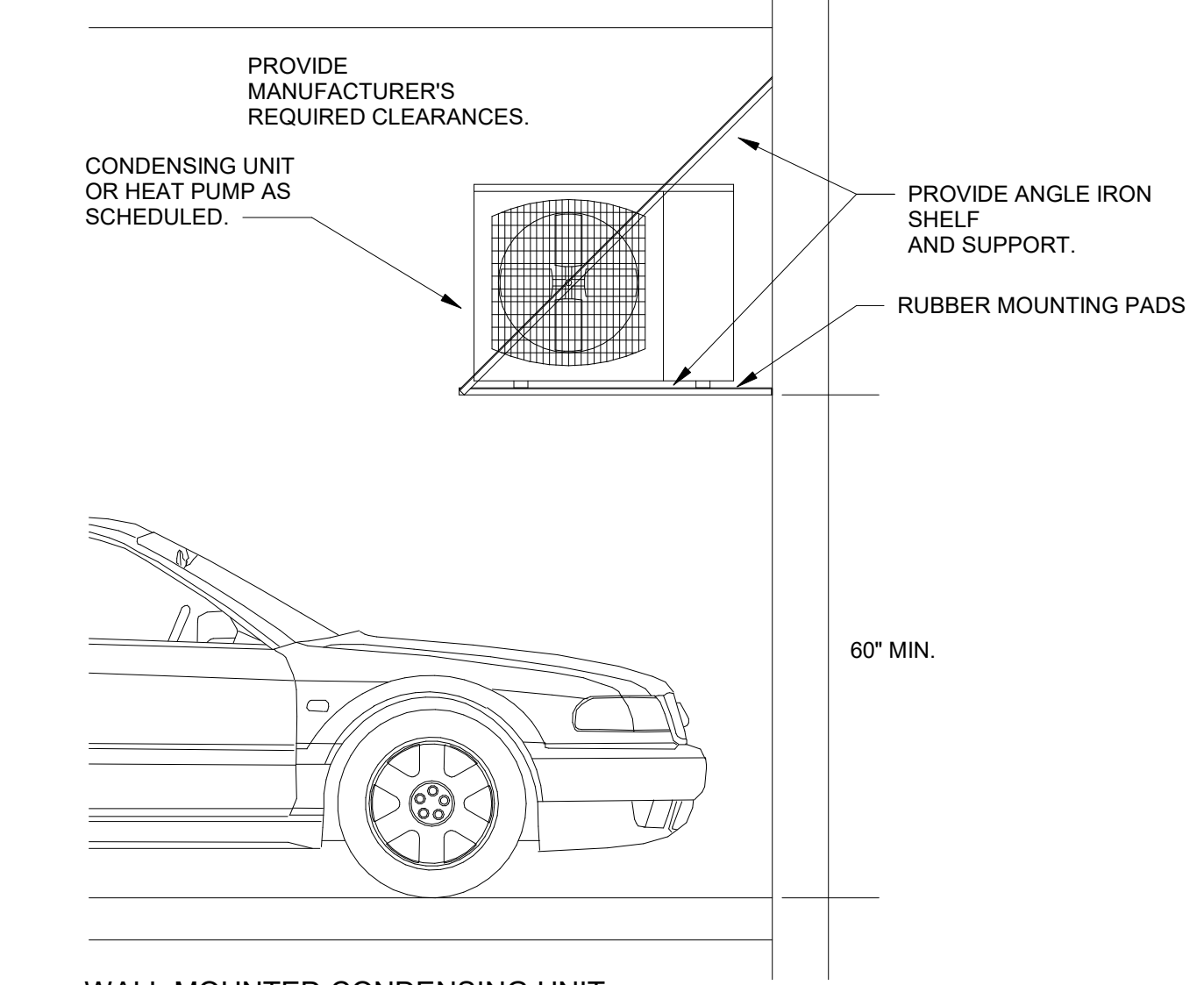


5 GREASE EXHAUST HOOD DETAIL  
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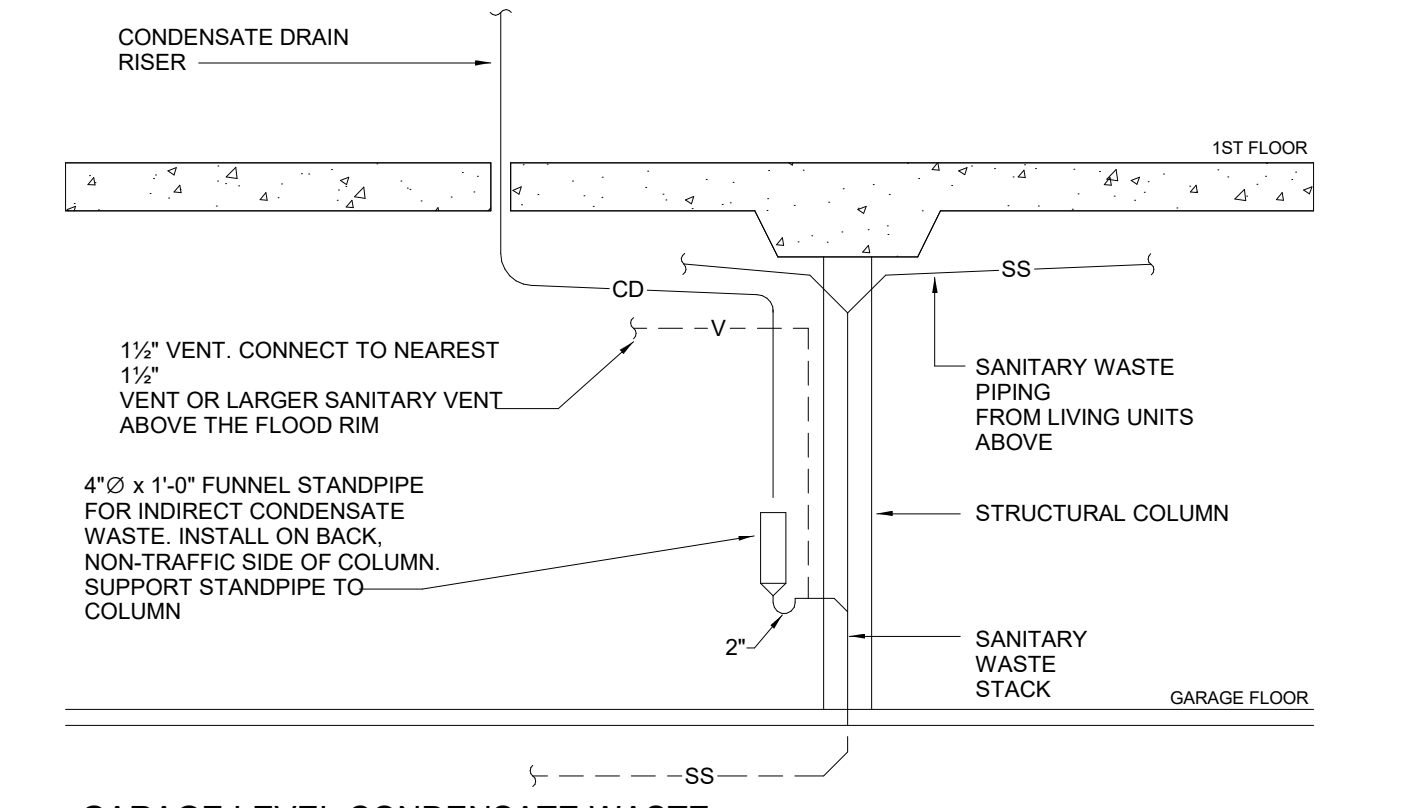
1 GARAGE EXHAUST FAN DETAIL  
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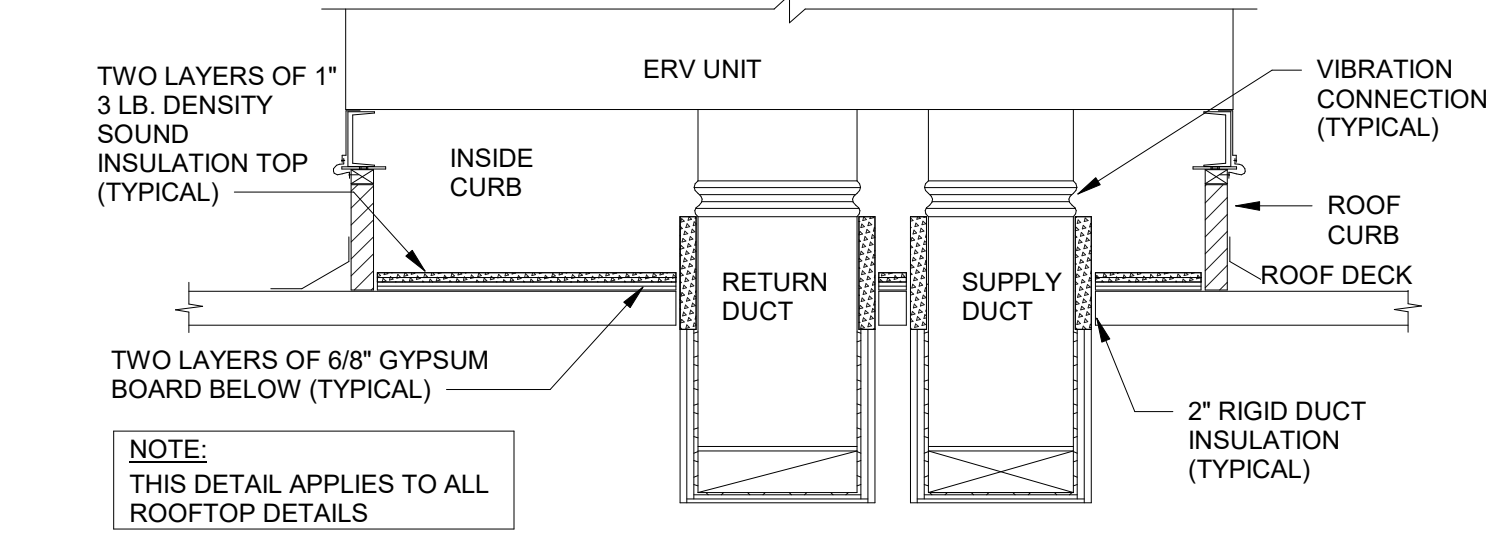
6 CONDENSATE WASTE DETAIL  
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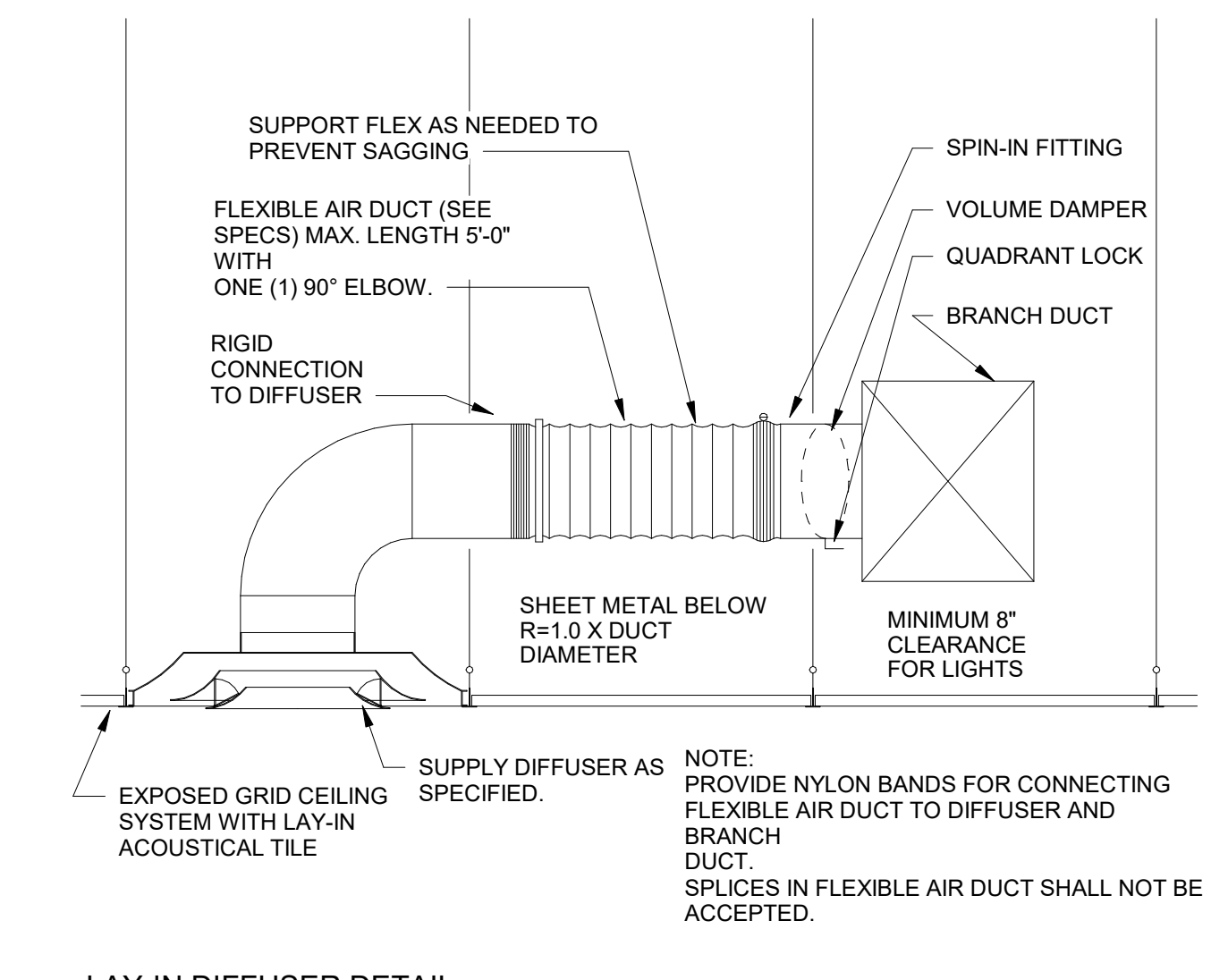
2 WALL MOUNTED CONDENSING UNIT  
DETAIL  
NOT TO SCALE



7 GARAGE LEVEL CONDENSATE WASTE  
DETAIL  
NOT TO SCALE



3 ERV CURB DETAIL  
NOT TO SCALE



4 LAY-IN DIFFUSER DETAIL  
NOT TO SCALE

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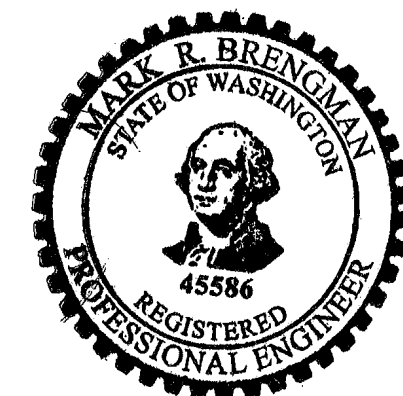
EEB/MW RDB/DA  
DRAWN BY CHECKED BY

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MECHANICAL DETAILS  
**M5.0**







*Mark R. Brennan*  
Signature

Mark R. Brennan  
Typed or Printed Name

Mechanical 06/19/23  
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**WESLEY BRADLEY PARK  
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MECHANICAL DETAILS

**M5.2**

Bradley Park		CONV. NO.	PAGE
DIAGRAM	SYMBOL LEGEND		
DISPLAY	DESCRIPTION		
---	POWER WIRE		
---	CONTROL WIRE		
---	REF. PIPE		

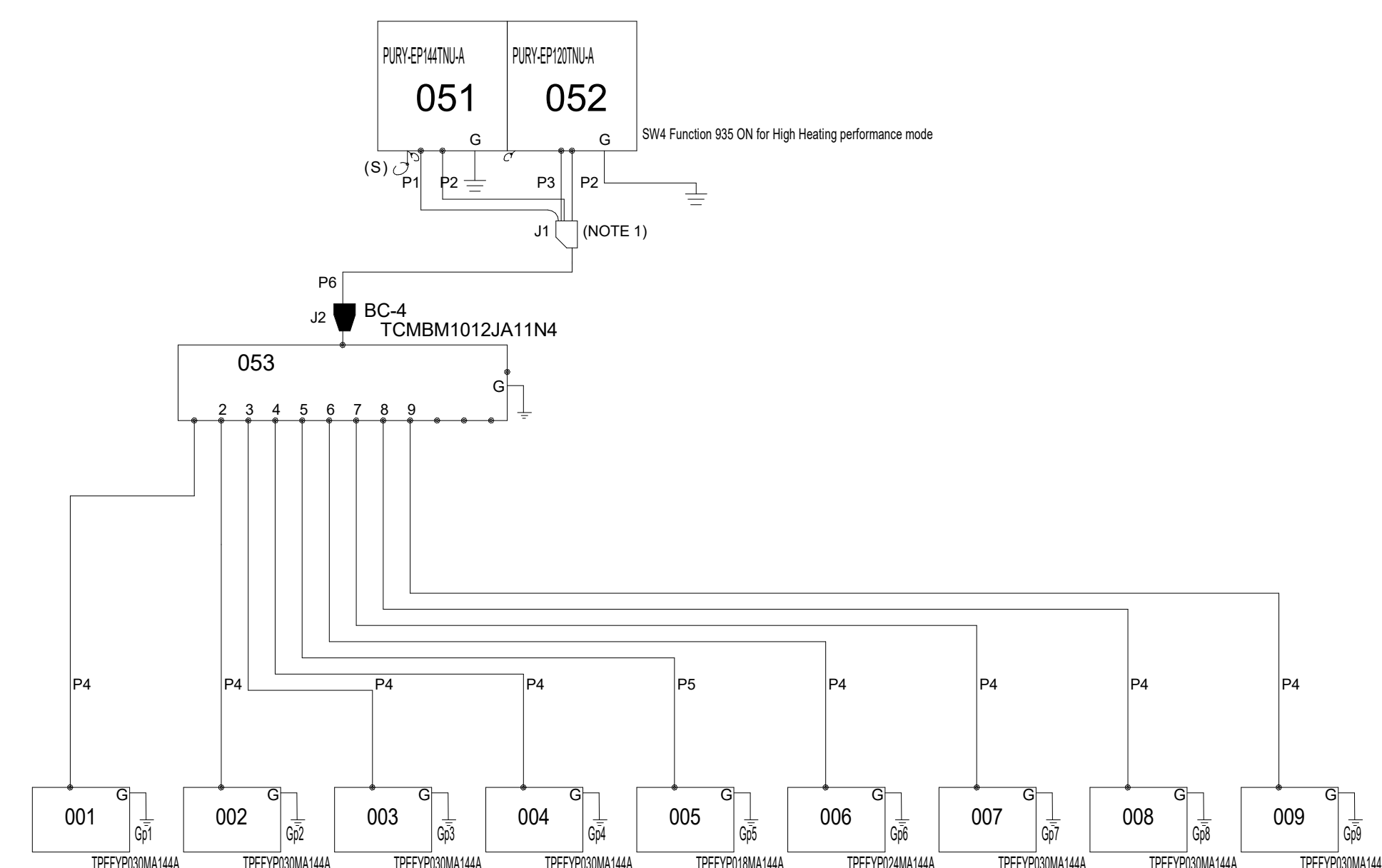
CITY MULTI  
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book. 1.25mm(16 AWG) or more. 0.75mm(20 AWG); between 0.5mm(24 AWG) and 0.75mm(20 AWG).

Coded Notes:  
NOTE 1: Install tubing 1/2" within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when turning, and pipe slope requirements

PIPING AND CONTROLS	
SYMBOL BRANCH PIPE MODEL NAME	
J1	CMY-R300N-CBK
LP	CMY-R302S-G1
SYMBOL LIQUID PIPE GAS PIPE SIZE	
P1	7/8 1/18
P2	3/4 1/18
P3	3/8 1/18
P4	3/8 1/12
P5	1/2 1/12
P6	1/2 1/8
SYMBOL MODEL NUMBER	
MA	TAR-20MAU

CU-4A\_CU-4B  
TURVE2643BN40AN [Main Floor 1]



Diamond System Builder	
sw:	4.5.1.1
db:	4.5.1.1
Date:	4/20/2023
Time:	12:45 PM

FC-1 FC-2 FC-3 FC-6 FC-4 FC-5 FC-9 FC-7 FC-8

Locker-1 Locker-2  
REMARKS  
Originator: Steen Engineering  
Comments:

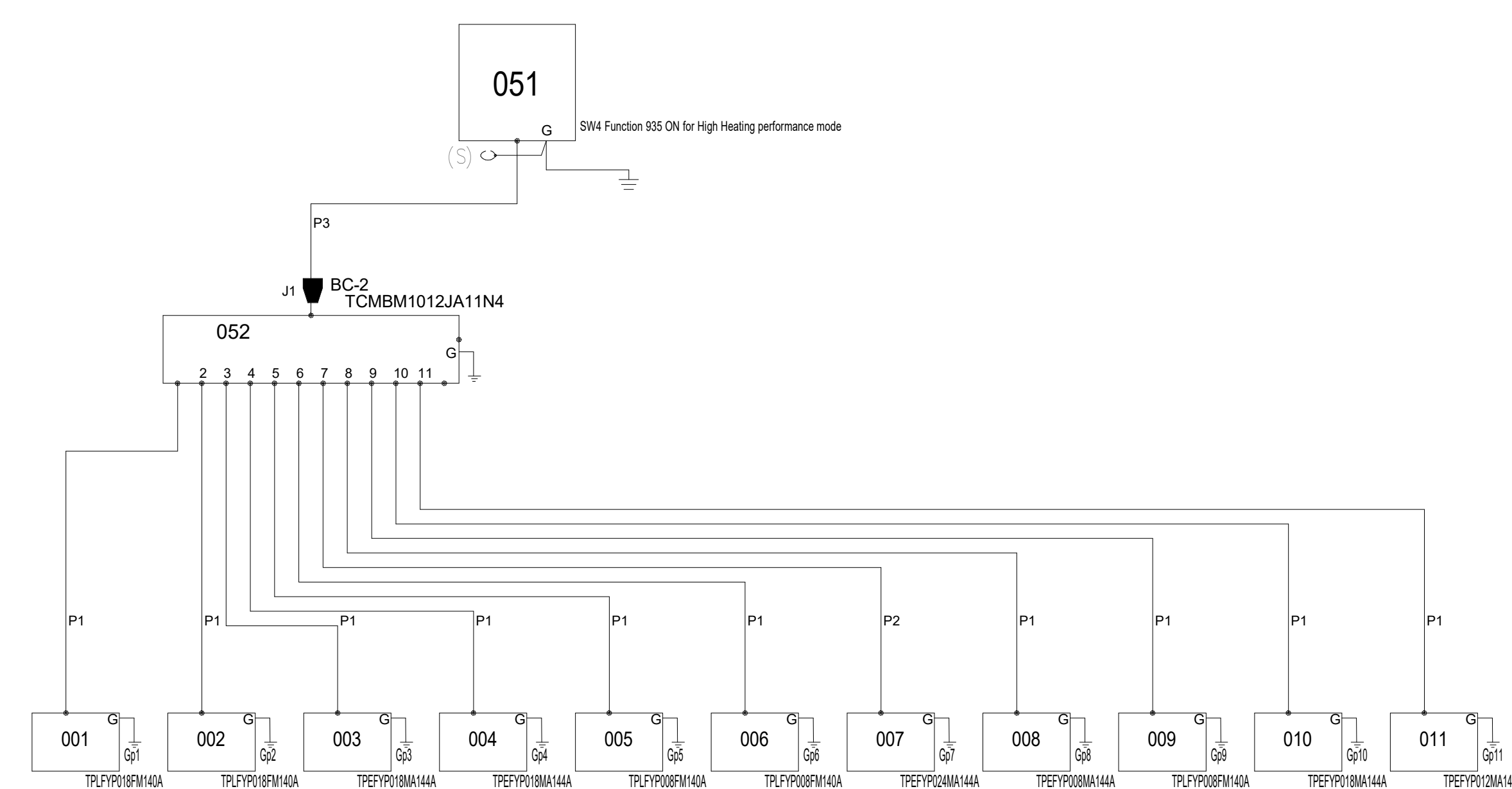
Bradley Park		CONV. NO.	PAGE
DIAGRAM	SYMBOL LEGEND		
DISPLAY	DESCRIPTION		
---	POWER WIRE		
---	CONTROL WIRE		
---	REF. PIPE		

CITY MULTI  
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book. 1.25mm(16 AWG) or more. 0.75mm(20 AWG); between 0.5mm(24 AWG) and 0.75mm(20 AWG).

PIPING AND CONTROLS	
SYMBOL BRANCH PIPE MODEL NAME	
J1	CMY-R302S-G1
SYMBOL LIQUID PIPE GAS PIPE SIZE	
P1	1/2 1/12
P2	3/8 1/18
P3	7/8 1/18
SYMBOL MODEL NUMBER	
MA	TAR-20MAU

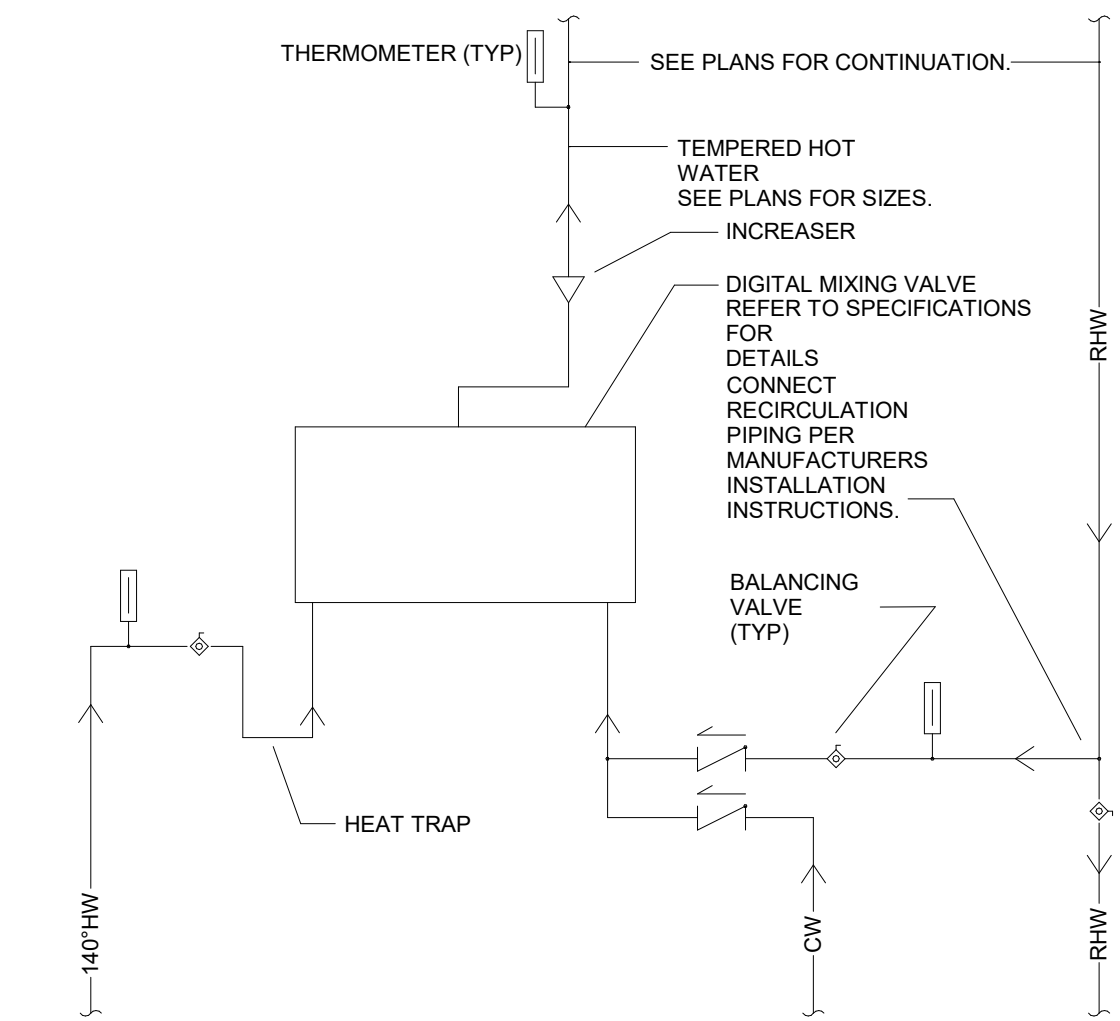
CU-2  
TURVE1683AN40AN



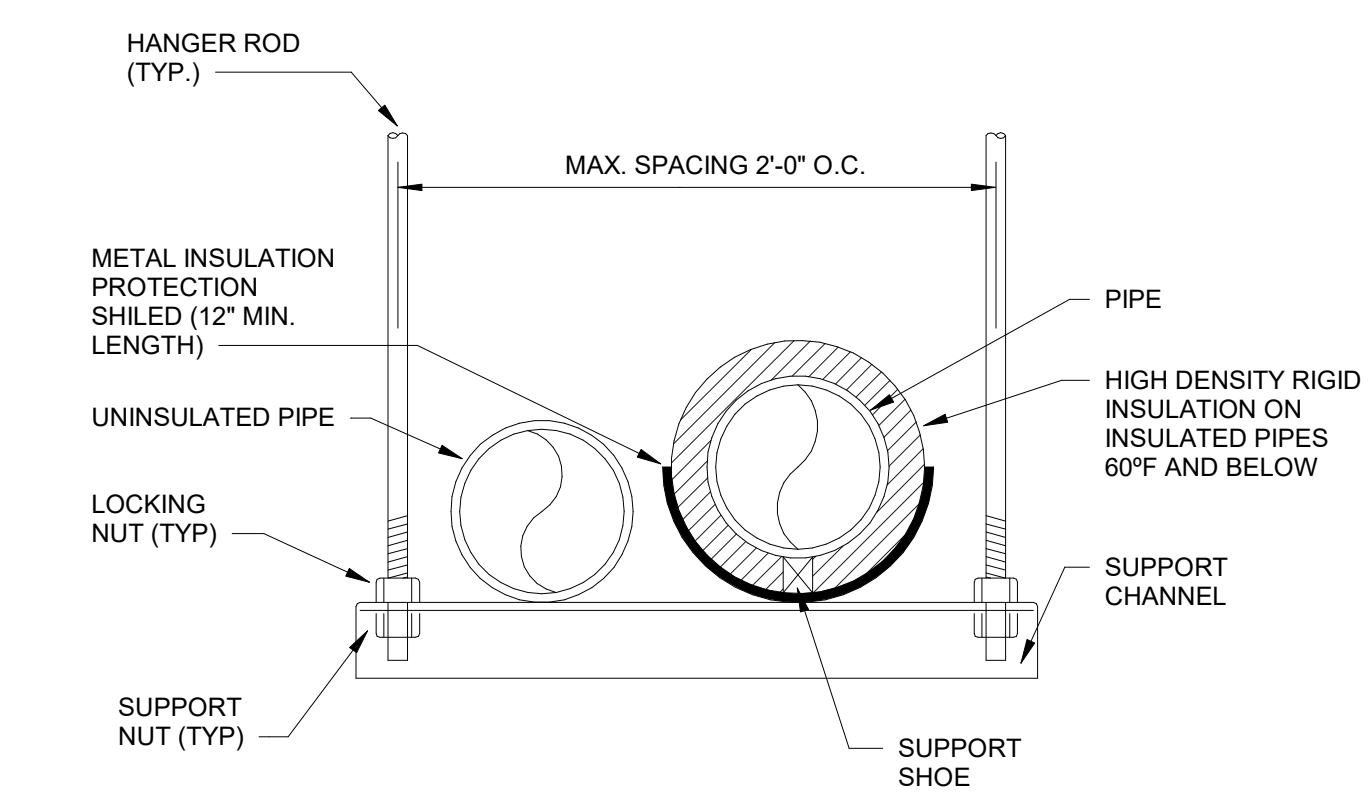
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db:	4.5.1.1
Date:	4/20/2023
Time:	12:45 PM

FC-17 FC-16 FC-11 FC-14 FC-22 FC-1075 FC-23 FC-24 FC-21 Conf-1053 FC-26 FC-27 FC-25

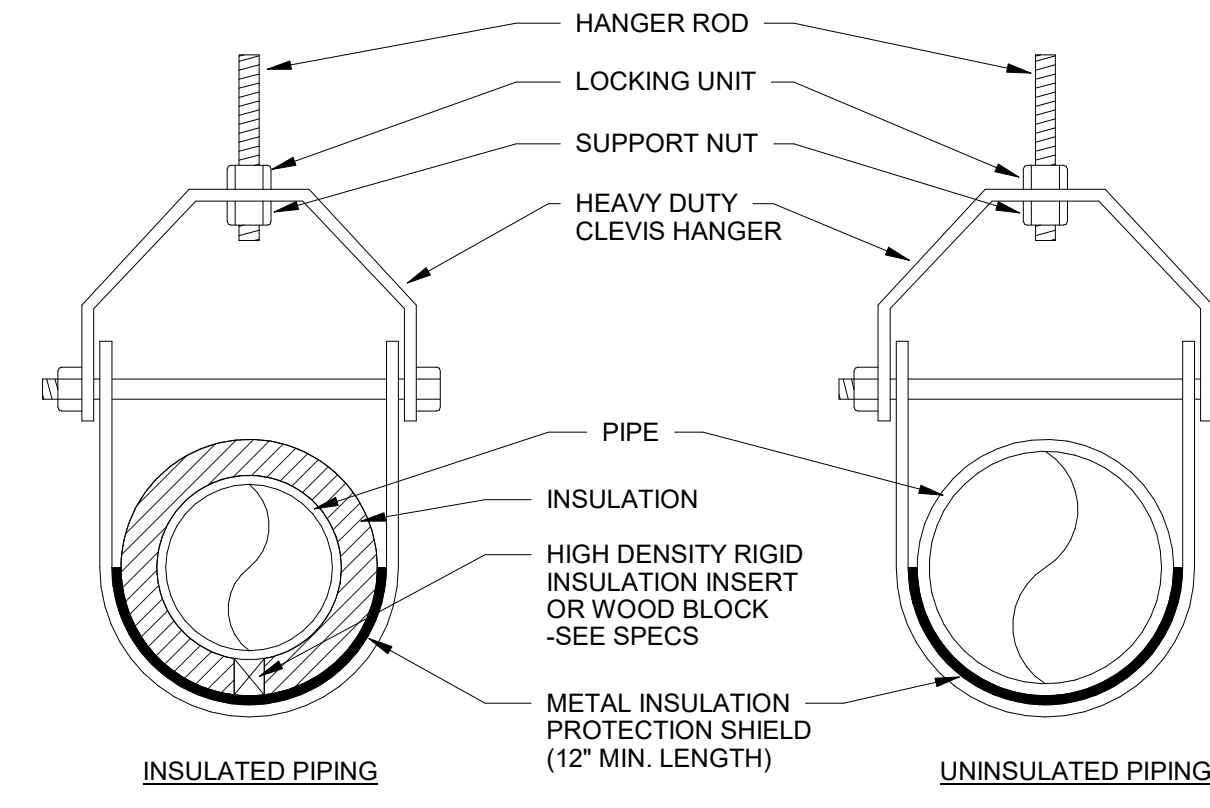
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REMARKS  
Originator: Steen Engineering  
Comments:



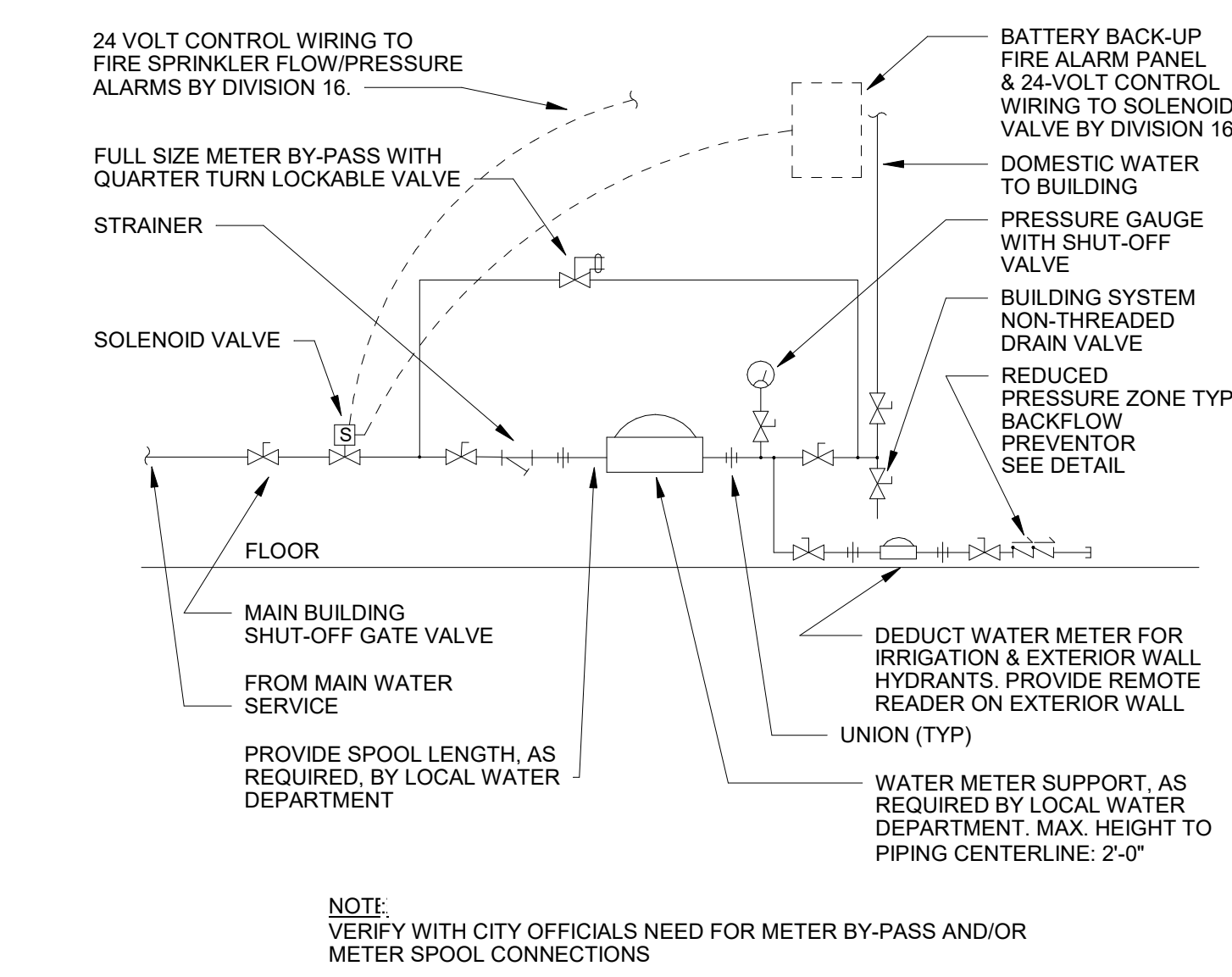
1 DIGITAL THERMOSTATIC MIXING STATION DETAIL  
NOT TO SCALE



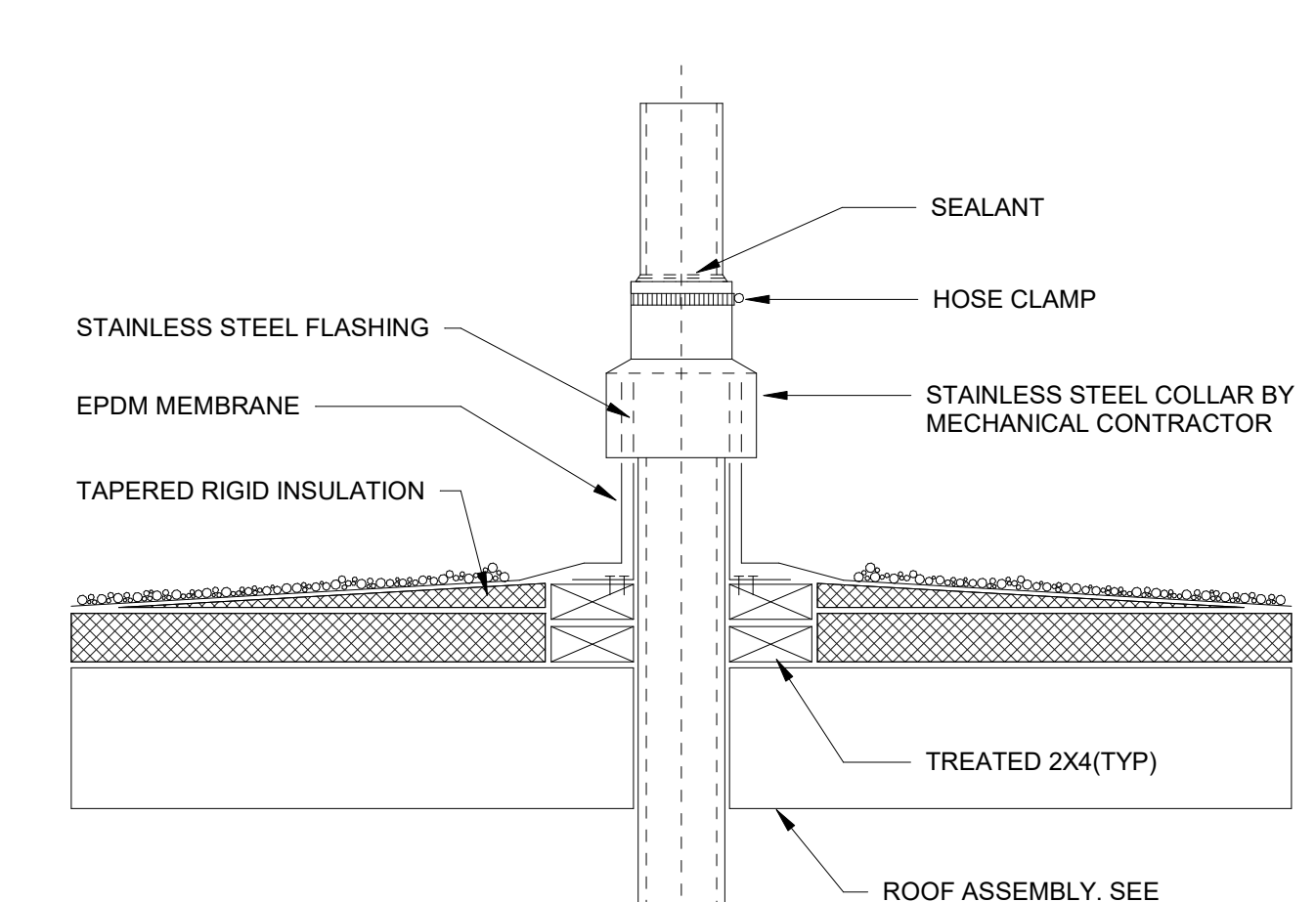
2 TRAPEZE PIPE HANGER DETAIL  
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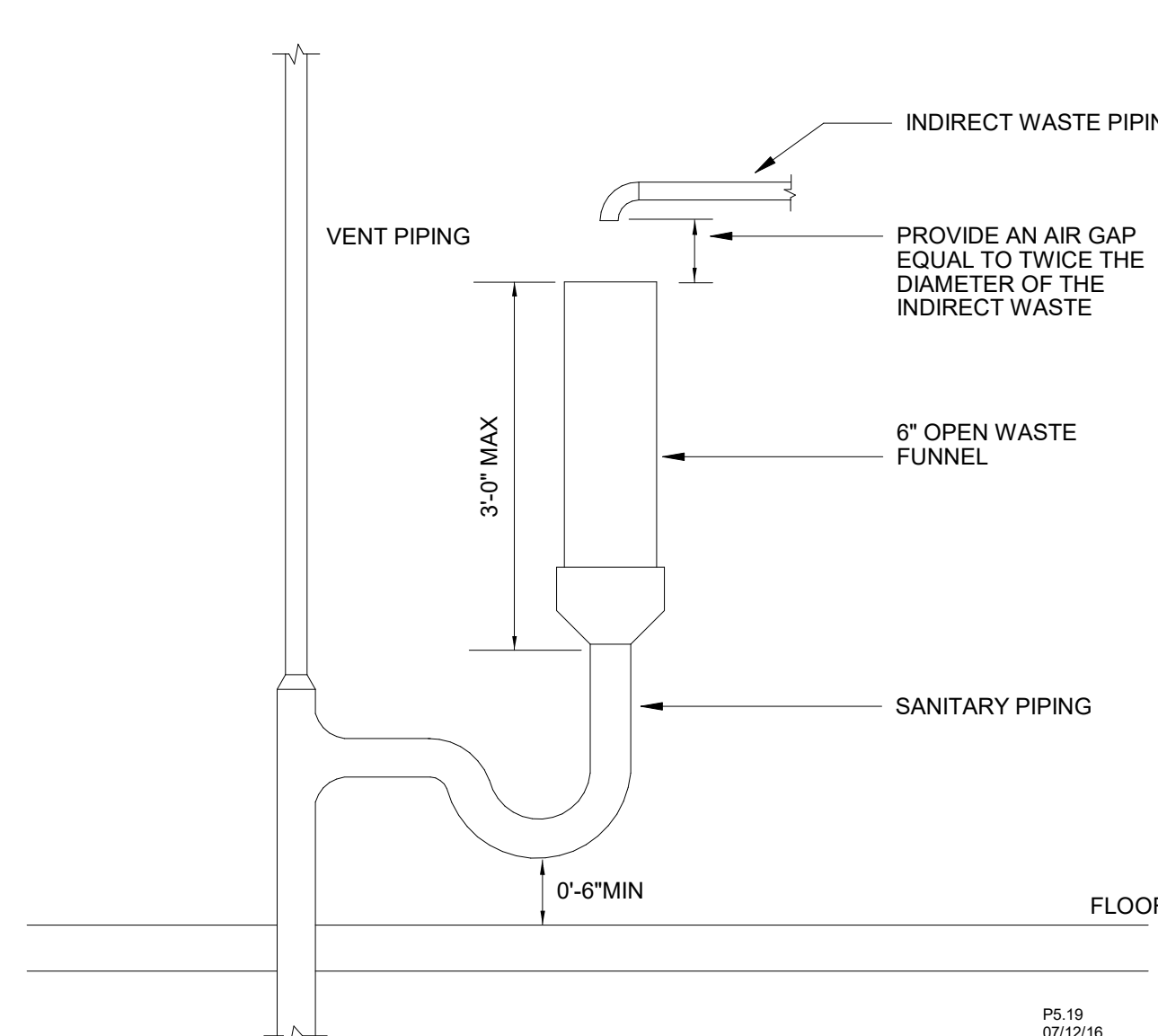
3 CLEVIS PIPE HANGER DETAIL  
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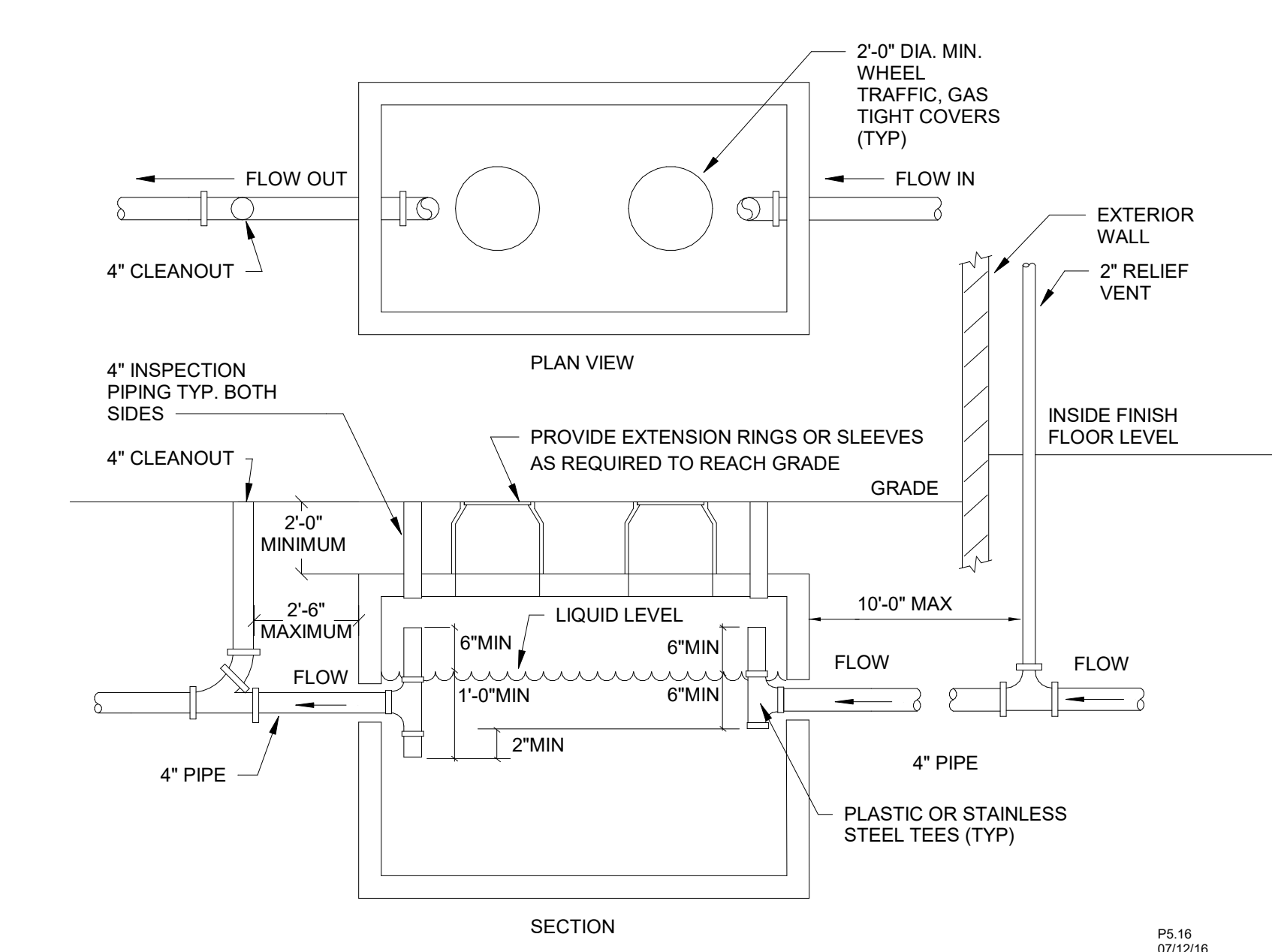
4 DOMESTIC WATER SERVICE WITH BYPASS DETAIL  
NOT TO SCALE



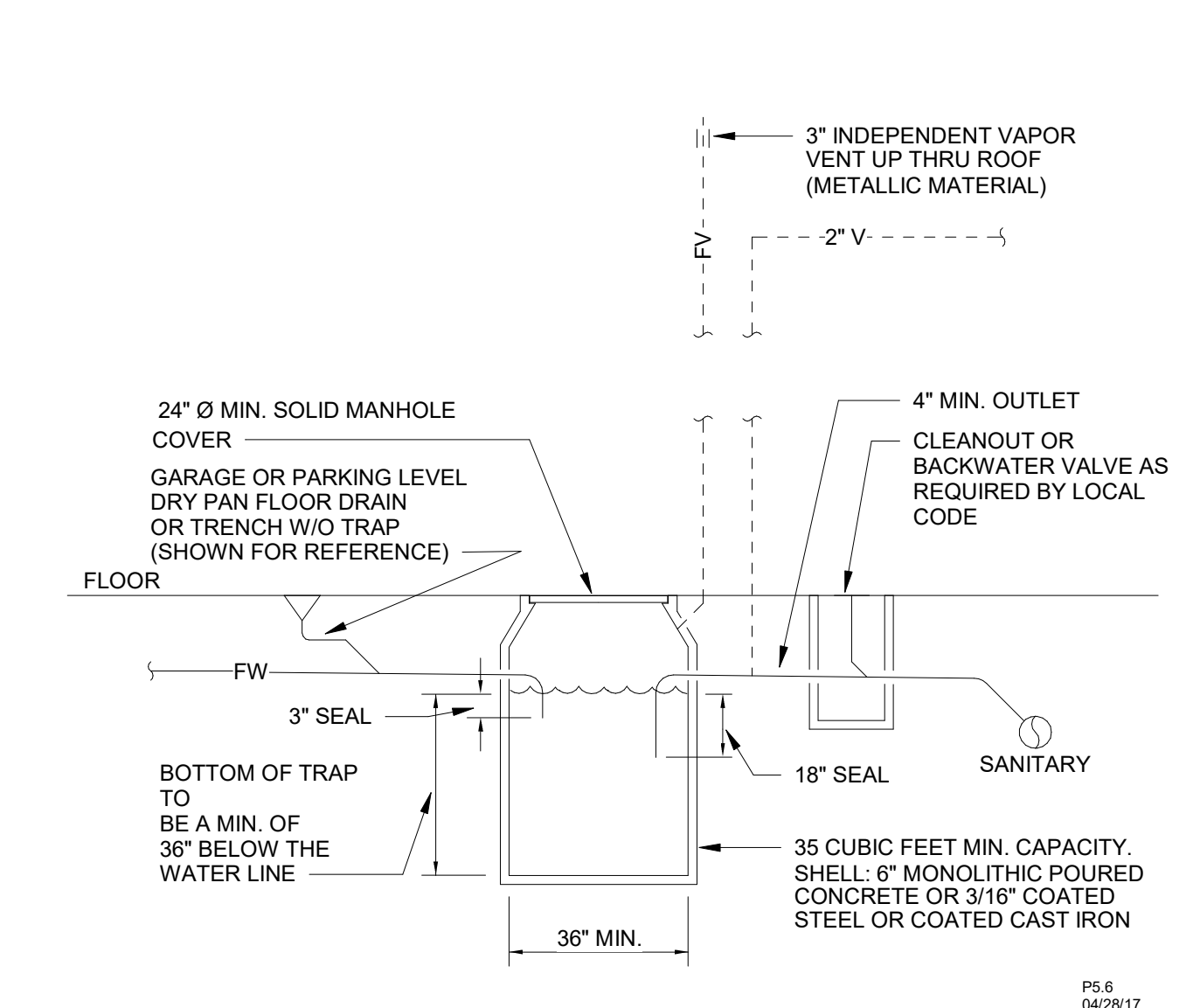
5 VENT THRU ROOF DETAIL  
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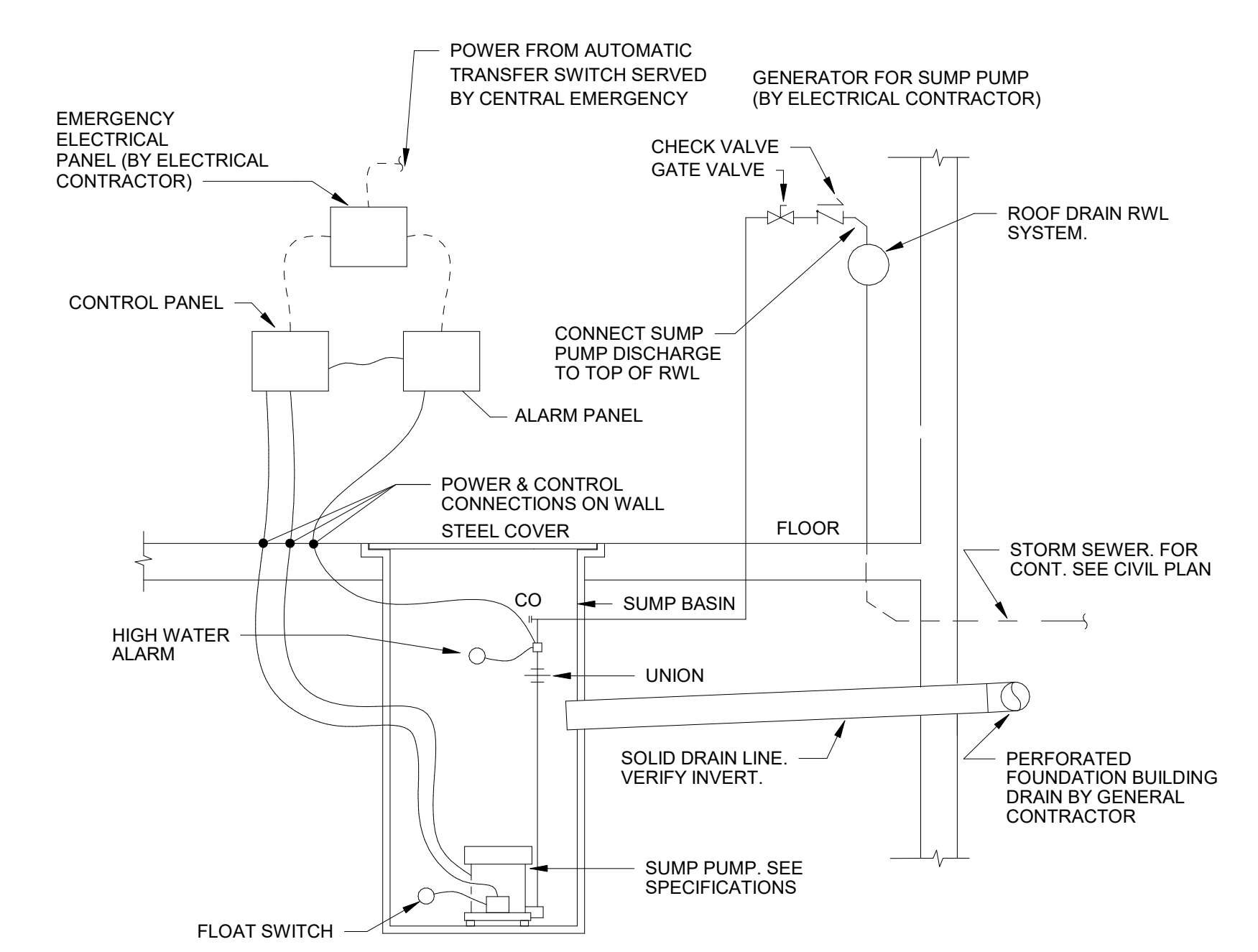
6 INDIRECT WASTE STANDPIPE DETAIL  
NOT TO SCALE



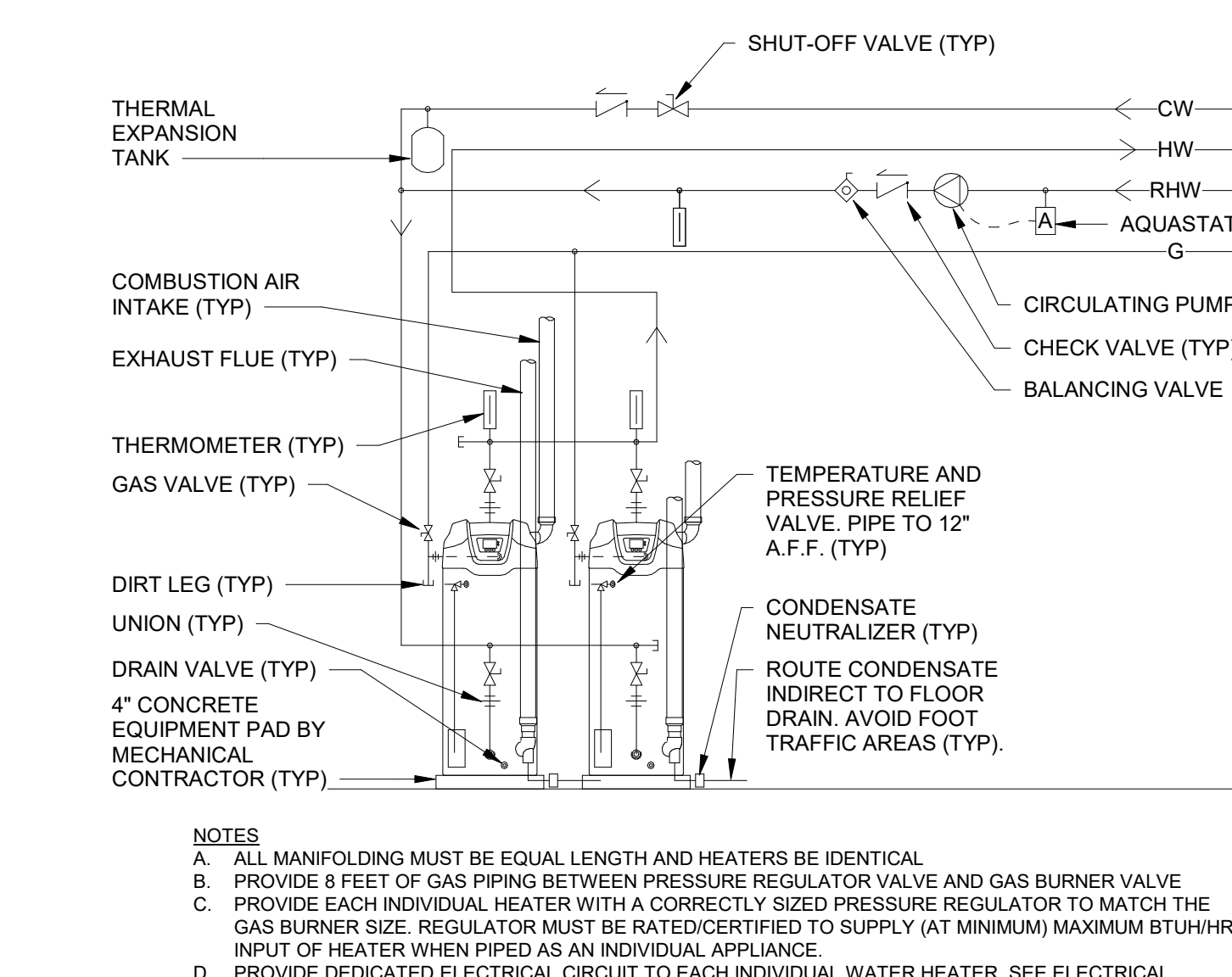
7 EXTERIOR GRAVITY GREASE TRAP DETAIL  
NOT TO SCALE



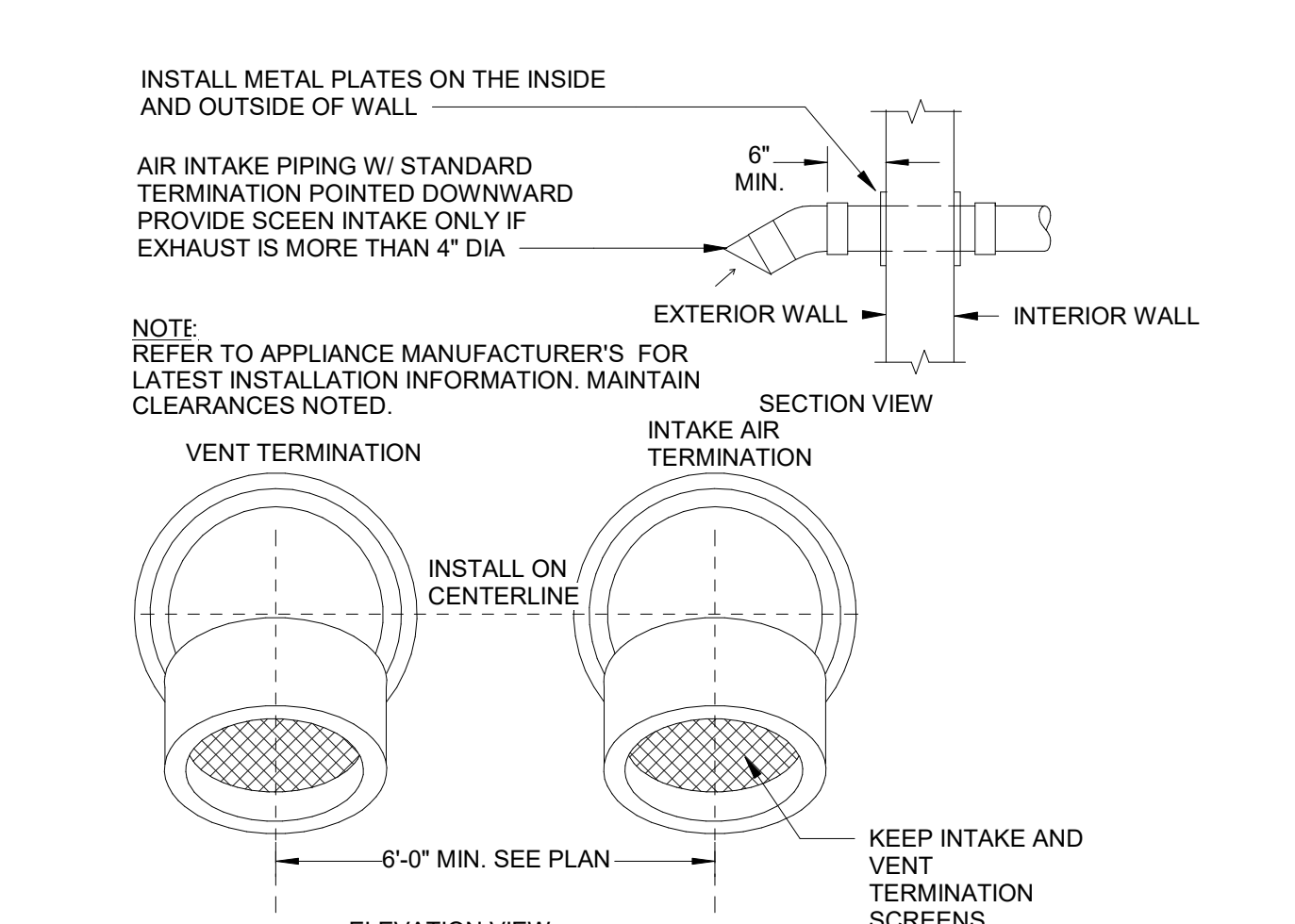
8 FLAMMABLE WASTE TRAP DETAIL  
NOT TO SCALE



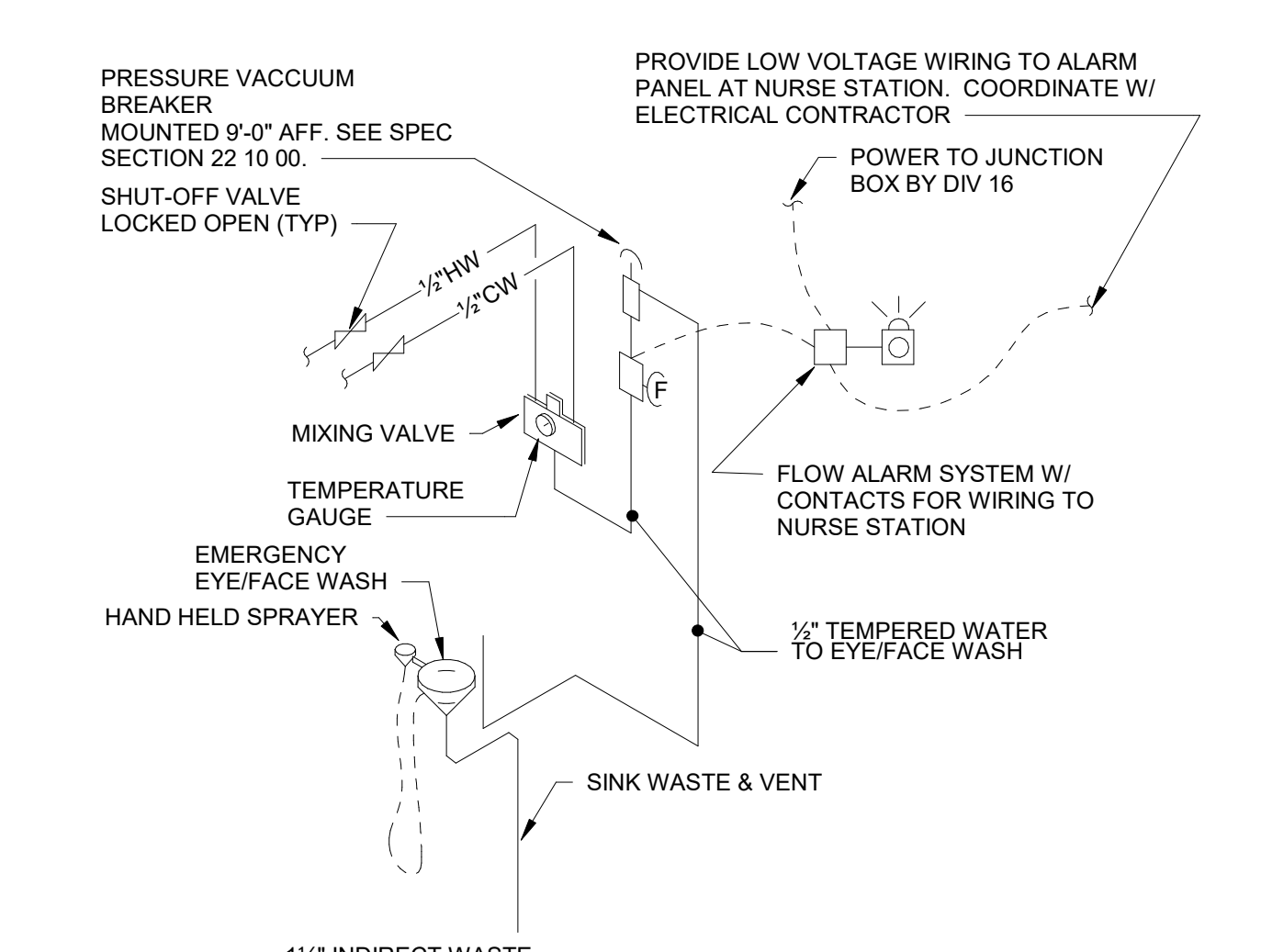
9 DRAINTILE SUMP PUMP TO STORM DETAIL  
NOT TO SCALE



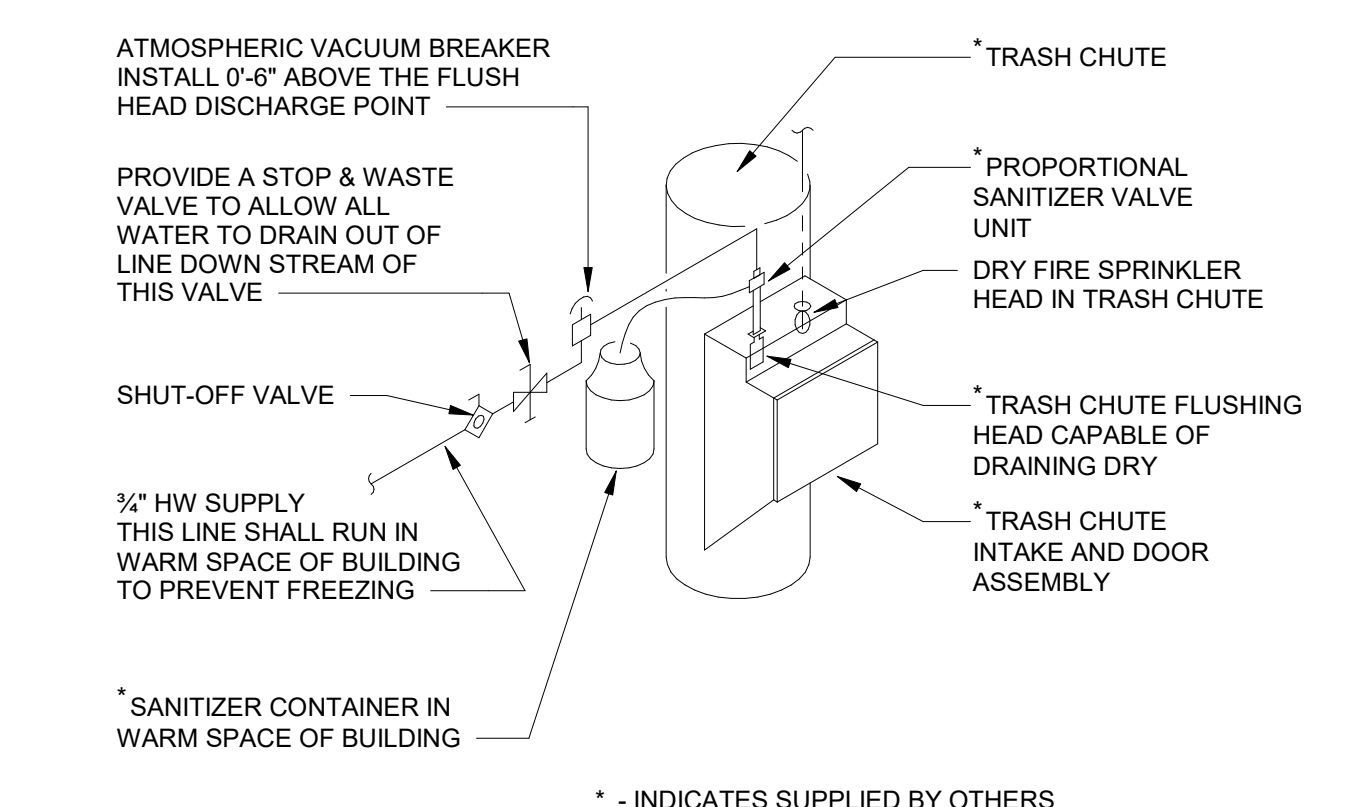
10 CONDENSING DOMESTIC HOT WATER HEATERS DETAIL  
NOT TO SCALE



11 SIDEWALL - CONDENSING WATER HEATER VENTING DETAIL  
NOT TO SCALE



12 EMERGENCY EYE/FACE WASH DETAIL  
NOT TO SCALE



13 TRASH CHUTE WASHDOWN ATMOSPHERIC VACUUM BREAKER DETAIL  
NOT TO SCALE

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Mark R. Brennan  
Type of Firm: Home  
Mechanical 06/19/23  
Discipline Date

**WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER**  
707 39TH AVENUE SE  
PUYALLUP, WA 98374

PERMIT SET  
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MECHANICAL DETAILS  
**M5.3**

FAN SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, FAN DATA (CFM, WEIGHT, ESP, FAN RPM), MOTOR DATA (HP, RPM, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

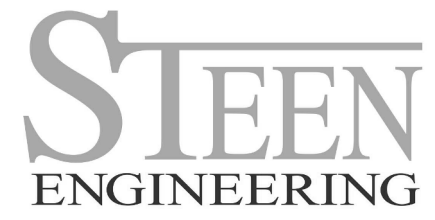
- 1. CONTROLLED BY CO/NO2 DETECTION SYSTEM. REFER TO SPECIFICATIONS. FURNISH LINE VOLTAGE REVERSE ACTING THERMOSTAT FOR INSTALLATION BY ELECTRICAL.
2. PROVIDE FAN WITH ALUMINUM HOUSING AND PLASTIC FAN WHEEL.

ELECTRICAL NOTES:

- 1. INSTALL THERMOSTAT FURNISHED BY MECHANICAL. REFER TO MECHANICAL PLANS FOR LOCATION.
2. PROVIDE INTERLOCK WITH DISHWASHER SO THAT DISHWASHER DOES NOT OPERATE UNLESS FAN IS RUNNING. PROVIDE 0-30 MINUTE TIME DELAY RELAY. SET TO KEEP FAN RUNNING 10 MINUTES AFTER DISHWASHER STOPS. INTERLOCK MUA WITH EF. CONNECT EF TO HEAT SENSOR, PROVIDED WITH KITCHEN HOOD. TO AUTOMATICALLY START MUA & EF UPON SIGNAL FROM HEAT SENSOR. PROVIDE OVERRIDE "ON" SWITCH WITH PILOT LIGHT NEAR HOOD TO MANUALLY START EQUIPMENT. SWITCH SHALL NOT PREVENT EF FROM RUNNING UPON SIGNAL FROM HEAT SENSOR. PROVIDE INTERLOCK WITH KITCHEN FIRE SUPPRESSION SYSTEM (KFSS) SO THAT KFSS ACTIVATION STOPS MUA. EF SHALL CONTINUE TO RUN UNTIL KFSS RESET. RUNS CONTINUOUSLY.
4. INTERLOCK TO RUN WITH GEF-1.

MECHANICAL AND ELECTRICAL EQUIPMENT SCHEDULE GENERAL NOTES

- A. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT SCHEDULED.
B. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING AND MAKE FINAL CONNECTION TO EACH PIECE OF EQUIPMENT SCHEDULED.
C. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL STARTERS AND DISCONNECTS.
D. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES AS WELL AS ALL LINE VOLTAGE AND LOW VOLTAGE WIRING NECESSARY TO INSTALL AND MAKE FULLY OPERATIONAL SPECIFIED CONTROL SYSTEMS, UNLESS NOTED OTHERWISE.
E. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SINGLE PHASE LINE VOLTAGE CONTROL DEVICES, SUCH AS 120/208/240 VOLT THERMOSTATS, SWITCHES AND TIME CLOCKS DIRECTLY CONTROLLING EXHAUST FANS, UNIT HEATERS, ETC., INCLUDING ALL ELECTRICAL MATERIALS AND FINAL CONNECTIONS.
F. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120V JUNCTION BOX OR RECEPTACLES ADJACENT TO WATER HEATERS, SUMP PUMPS AND WATER SOFTENERS.
G. MECHANICAL CONTRACTOR SHALL PROVIDE EQUIPMENT AFFIXED WITH A VISIBLE NAMEPLATE MARKED WITH THE SHORT CIRCUIT CURRENT RATING (SCCR) TO COMPLY WITH SECTION 440.4(B) OF THE LATEST ADOPTED NEC. MINIMUM EQUIPMENT SCCR SHALL BE 5,000 AIC, UNLESS NOTED OTHERWISE.



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Richard D. Becker
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Electrical Discipline 06/19/23
Date



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St. Paul, Minnesota 55104
612-252-4820



Mark R. Brennan
Signature

Mark R. Brennan
Typed or Printed Name

Mechanical Discipline 06/19/23
Date

ELECTRIC DUCT COIL SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, COIL DATA (CFM, PD, LENGTH, WIDTH, VEL, EAT, LAT, CAP, TEMP), ELECTRIC (kW, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. DUCT HEATER TO BE CONTROLLED BY 0-10 VDC INCLUDED WITH SERESCO UNIT.

CONDENSING UNIT SCHEDULE (POOL) table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, COOLING DATA (TONS, SEER), MOTOR DATA (MCA, HP, V, PH), PANEL (PANEL, CIRCUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

POOL DEHUMIDIFICATION UNIT SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, FAN DATA (CFM, MIN OSA, ESP), COOLING DATA (SEER), MOTOR DATA (MCA, HP, V, PH), HEATING DATA (TYPE, MBH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. POOL DEHUMIDIFICATION UNIT INCLUDES FACTORY EQUIPPED POOL HEATING CONNECTIONS. POOL CONTRACTOR TO PROVIDE AND INSTALL POOL HEATING INDEPENDENT OF DHU-1.
2. POOL DEHUMIDIFICATION UNIT AIR TO BE HEATED BY ELECTRIC DUCT HEATER (EDC-1) INSTALLED DOWNSTREAM OF UNIT SUPPLY.

MAKE UP AIR UNIT SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, AREA SERVED, FAN DATA (CFM, ESP, FAN RPM), HEATING DATA (INPUT, OUTPUT, AFUE), MOTOR DATA (MCA, HP, RPM, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. PROVIDE VFD.
2. INTERLOCK WITH TYPE 1 EXHAUST HOOD.
3. 8 STAGE TURNDOWN

ELECTRICAL NOTES:

- 1. EQUIPMENT CONTAINS INTEGRAL VFD(S). FEEDER SHALL BE COPPER; ALUMINUM IS NOT APPROVED FOR SUBSTITUTION.
2. PROVIDE INTERLOCK WITH KITCHEN FIRE SUPPRESSION SYSTEM (KFSS) SO THAT KFSS ACTIVATION STOPS MOTOR. MOTOR SHALL NOT START UNTIL KFSS IS RESET.

ELECTRIC HEATER SCHEDULE

ELECTRIC HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., DESCRIP., AREA SERVED, HEATING COIL DATA (TOTAL WATTS, TOTAL BTUH, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
2. PROVIDE INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.
3. FURNISH MOUNTING KIT FOR RECESSED/SURFACE INSTALLATION.

ELECTRICAL NOTES:

- 1. EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE WALL MOUNTED 90 MINUTE TIMER SWITCH WITH COVERPLATE. COVERPLATE COLOR SHALL MATCH ADJACENT SWITCHES. LEVITON #LT860-1L OR EQUAL.

DUCTLESS AIR CONDITIONER AND CONDENSING UNIT SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, UNIT ARRANGEMENT, COOLING DATA (TONS, TOTAL, SENS), MOTOR DATA (SEER, MCA, HP, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. FURNISH MANUFACTURER'S DISCONNECT SWITCH FOR AC UNIT.
2. UNIT SHALL BE PROVIDED WITH EMERGENCY STANDBY POWER.
3. R-410A REFRIGERANT

ELECTRICAL NOTES:

- 1. PROVIDE POWER AND CONTROL CONNECTIONS FROM CU TO AC.
2. INSTALL MANUFACTURER'S DISCONNECT SWITCH ADJACENT TO AC UNIT.
3. POWER CONDUCTORS FROM CU TO AC SHALL BE SIZED PER LATEST ADOPTED NEC.

ROOFTOP WITH ENERGY RECOVERY (DX/GAS) table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, AIRFLOW (SUP, RET), ESP, RET, TSP, RET, FAN RPM (SUP, RET), HEATING DATA (INPUT, OUTPUT, EFF), ENERGY WHEEL (SUPPLY SIDE) (WINTER, SUMMER), ENERGY WHEEL EFF (SUM, WINT %).

ROOFTOP WITH ENERGY RECOVERY (DX/GAS) CONTD table with columns: UNIT NO., ENERGY WHEEL (RETURN SIDE) (WINTER, SUMMER), ENERGY WHEEL EFF (SUM, WINT %), MOTOR DATA (MCA, V, PHASE), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), MECH, ELEC, NOTES.

MECHANICAL NOTES:

- 1. PROVIDE MERV 8 OUTDOOR AIR AND RETURN AIR FILTERS. PROVIDE MERV 15 SUPPLY AIR FILTER PER WAC 288-97 TABLE 5.
2. PROVIDE WITH MANUFACTURER'S INTEGRAL CONVENIENCE RECEPTACLE.
3. PROVIDE MANUFACTURER'S 24" TALL VIBRATION ISOLATION CURB OR APPROVED EQUIVALENT.
4. PROVIDE BAGNET MODULE.

ELECTRICAL NOTES:

- 1. PROVIDE DUCT SMOKE DETECTOR.

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MECHANICAL EQUIPMENT SCHEDULES

ME1.0

GAS-FIRED DOMESTIC WATER HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL, LOCATION, SERVES, MAX TEMP RISE (DEG. F), STORAGE (GAL), RECOVERY (GPH), MBH INPUT, THERMAL EFF (%), MOTOR DATA (KVA, V, PH), PANEL (PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER), NOTES (MECH, ELEC).

MECHANICAL NOTES

- 1. REFER TO PLUMBING SPECIFICATIONS FOR FURTHER DETAILS.

ELECTRICAL NOTES

- 1. PROVIDE DEDICATED CIRCUIT AND DEDICATED NEUTRAL.

SUMP PUMP SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVICE, GPM, HEAD (FT. WC), BASIN (DIA., IN), DEPTH (IN), MCA, HP, RPM, V, PH, PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. DUPLEX UNIT. DATA LISTED IS PER PUMP.
- 2. PUMPS MAY OPERATE SIMULTANEOUSLY.
- 3. REFER TO SPECIFICATIONS FOR FURTHER DETAILS.

ELECTRICAL NOTES

- 1. DUPLEX UNIT. MOTOR DATA LISTED IS PER PUMP.
- 2. PUMPS MAY OPERATE SIMULTANEOUSLY.

DOMESTIC CIRCULATION PUMP SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVICE, GPM, HEAD (FT. WC), MOTOR (HP, RPM, V, PH), PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. CONTROLLED BY AQUASTAT.

FAN COIL UNIT SCHEDULE (VRF) table with columns: UNIT NO., MANUFACTURER & MODEL NO., SERVES, FAN DATA (CFM, OA CFM, ESP (IN. WC)), COOLING DATA (TOTAL (MBH)), HEATING DATA (MBH), MOTOR DATA (MCA, V, PH), PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. SHALL BE ON EMERGENCY POWER.
- 2. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

ELECTRICAL NOTES

- 1. REFER TO PLANS FOR CIRCUITING.

CONDENSING UNIT SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, COOLING DATA (TONS, MBH, EER), MOTOR DATA (MCA, V, PH), PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. PROVIDE TWINNING KIT (MITSUBISHI CMY-R300NCBK).
- 2. SHALL BE ON EMERGENCY STANDBY POWER.
- 3. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

BC CONTROLLER SCHEDULE - VRF table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES/SERVED BY, MAIN/SUB, NO. OF PORTS, PORTS USED, DRAIN SIZE (INCHES), ELECTRICAL DATA (MCA, V, PHASE), PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. UNIT SHALL BE PROVIDED WITH EMERGENCY POWER. ALL CONTROLLERS AND LOW VOLTAGE TRANSFORMERS USED TO PROVIDE CONTROL SHALL ALSO BE SERVED FROM EMERGENCY POWER. COORDINATE WITH ELECTRICAL CONTRACTOR.
- 2. REFER TO VRF PIPING DIAGRAMS ON M5.1 & M5.2 FOR FULL DIAGRAM, INCLUDING REFRIGERANT PIPE SIZING.

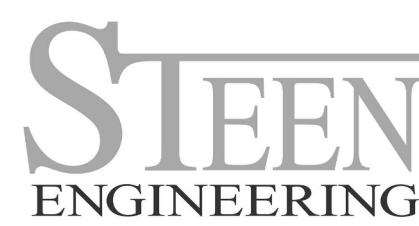
DUCTLESS AIR SOURCE HEAT PUMP SCHEDULE table with columns: UNIT NO., MANUFACTURER & MODEL NO., LOCATION, SERVES, COOLING DATA (TOTAL MBH, EFF (SEER)), HEATING DATA (REV CYCLE, MBH, HSPF), MOTOR DATA (MCA, V, PH), PANEL, CIRCUIT, CONDUIT, WIRE SIZE, BREAKER, MECH, ELEC.

MECHANICAL NOTES

- 1. FURNISH MANUFACTURER'S DISCONNECT SWITCH FOR AC UNIT.
- 2. UNIT SHALL BE PROVIDED WITH EMERGENCY STANDBY POWER.
- 3. R-410A REFRIGERANT.

ELECTRICAL NOTES

- 1. PROVIDE POWER AND CONTROL CONNECTIONS FROM CU TO AC.
- 2. INSTALL MANUFACTURER'S DISCONNECT SWITCH ADJACENT TO AC UNIT.
- 3. POWER CONDUCTORS FROM CU TO AC SHALL BE SIZED PER LATEST ADOPTED NEC.



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Richard D. Becker  
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Electrical Discipline 06/19/23 Date



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Mark R. Brennan  
Typed or Printed Name

Mechanical Discipline 06/19/23 Date

WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER  
707 39TH AVENUE SE  
PUYALLUP, WA 98374

PERMIT SET  
October 16, 2023

REVISIONS  
No. Description Date

ISA202201  
PROJECT NUMBER  
EEB/MW RDB/DA  
DRAWN BY CHECKED BY  
WESLEY BRADLEY PARK  
PHASE 2 - CARE CENTER

MECHANICAL EQUIPMENT  
SCHEDULES

ME1.1