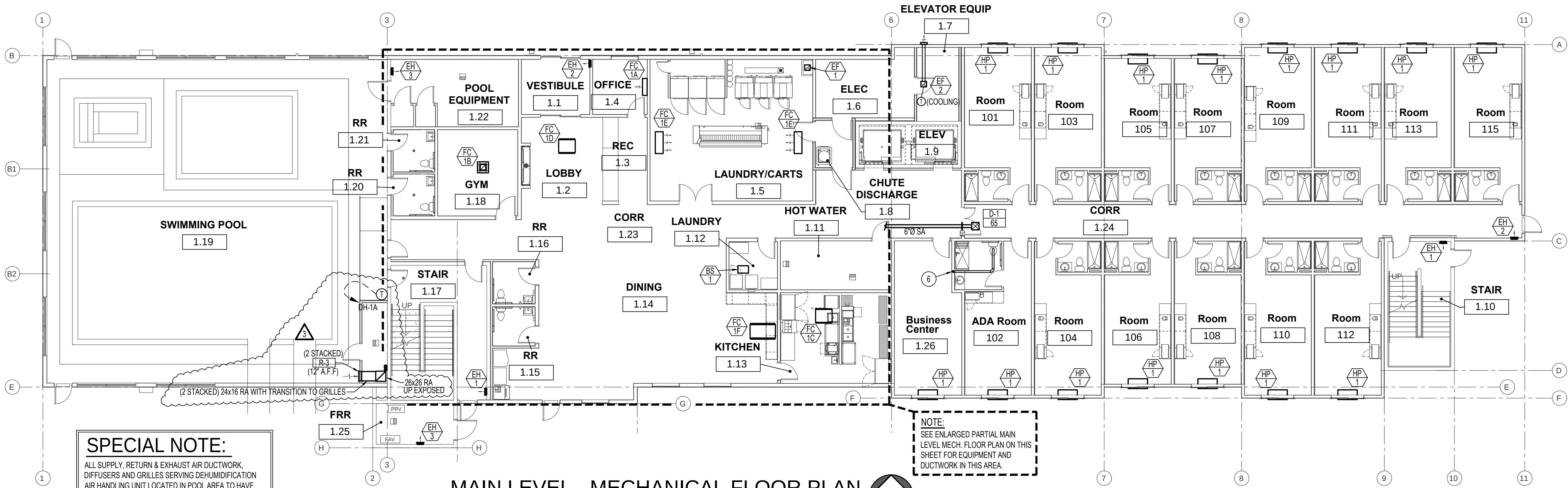
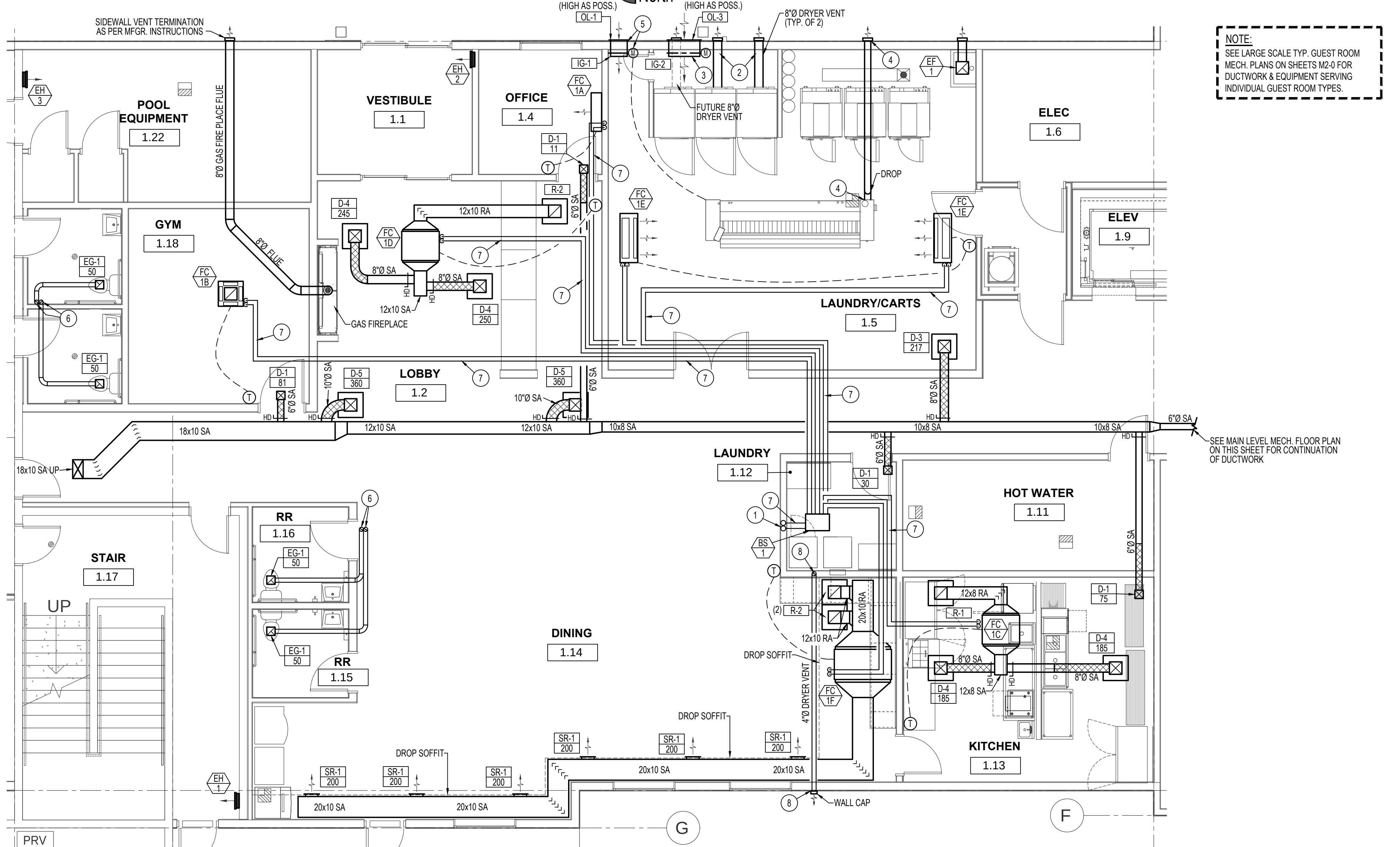




MAIN LEVEL - MECHANICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"



ENLARGED PARTIAL MAIN LEVEL - MECHANICAL FLOOR PLAN
SCALE: 3/16" = 1'-0"

PLAN NOTES:

- RISE (1) SET OF REFR. PIPES UP IN WALL TO ROOFTOP OUTDOOR UNIT OU-1. SEE SHEET M1-2 FOR CONTINUATION OF PIPING ABOVE.
- CONNECT 8"Ø DRYER VENT TO CLOTHES DRYER AND RUN TO WALL CAP AS PER MFG. INSTRUCTIONS. INSTALL WALL CAP AT A MINIMUM OF 18" A.F.F.
- INSTALL OUTDOOR AIR LOUVER WITH MOTORIZED DAMPER ASSEMBLY AS HIGH AS POSSIBLE ON WALL IN LOCATION SHOWN. INTERLOCK MOTORIZED DAMPER WITH CLOTHES DRYERS.
- INSTALL EXHAUST FLUE FROM GAS FIRED IRON UP TO CEILING SPACE AND OUT TO EXTERIOR WALL. INSTALL HORIZONTAL VENT TERMINATION ON FLUE AS PER MFG. INSTRUCTIONS. SIZE OF FLUE AS PER MFG. INSTRUCTIONS.
- INSTALL OUTDOOR AIR LOUVER WITH MOTORIZED DAMPER ASSEMBLY AS HIGH AS POSSIBLE ON WALL IN LOCATION SHOWN. INTERLOCK MOTORIZED DAMPER WITH GAS FIRED IRON.
- RISE 4"Ø EXHAUST DUCT UP IN WALL / CHASE ABOVE TO ROOFTOP EXHAUST FAN.
- REFER TO VRF REFRIGERANT PIPING DIAGRAM ON SHEET M1-5 FOR PIPE SIZES SERVING INDIVIDUAL UNITS.
- INSTALL DRYER WALL BOX IN WALL AS PER DETAIL ON SHEET M3-0. RUN 4"Ø DRYER VENT UP INTO CEILING SPACE AND OUT TO EXTERIOR WALL CAP.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	ELECTRONIC THERMOSTAT
	EQUIPMENT SYMBOL
	ELECTRIC WALL HEATER
	RECTANGULAR SUPPLY AND RETURN AIR DUCT TAKE-OFF
	TURNING VANES
	DUCT TRANSITION
	INSULATED FLEXIBLE DUCT
	CEILING SUPPLY DIFFUSER
	CEILING RETURN AIR GRILLE
	CEILING MOUNTED EXHAUST FAN / EXHAUST GRILLE
	FAN COIL UNIT
	AIR COOLED CONDENSING UNIT

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DATE: 5/06/2022

DR: [Signature] DLH: [Signature]

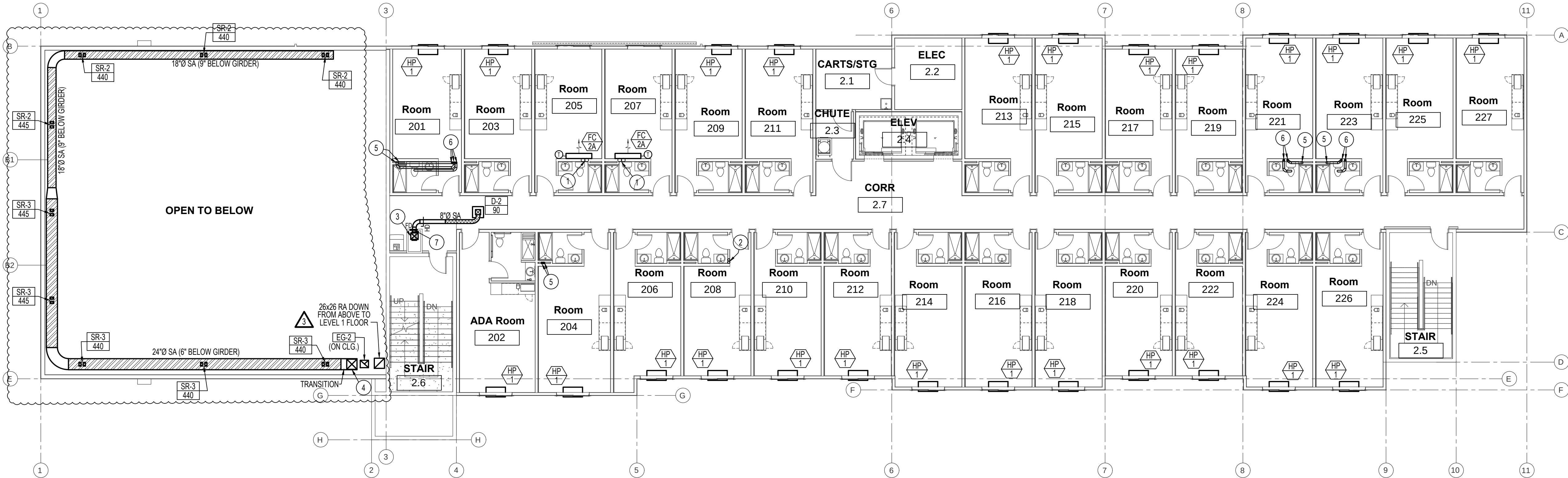
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M1-1

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
MAIN LEVEL MECHANICAL FLOOR PLAN

Laughlin Ricks Architecture
—architecture/planning—
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SPECIAL NOTE:
ALL SUPPLY, RETURN & EXHAUST AIR DUCTWORK, DIFFUSERS AND GRILLES SERVING DEHUMIDIFICATION AIR HANDLING UNIT LOCATED IN POOL AREA TO HAVE UN-LINED ALUMINUM DUCTWORK ONLY. NO STEEL DUCT WITH ACOUSTICAL LINER ALLOWED.



2ND LEVEL - MECHANICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NOTE:
SEE LARGE SCALE TYP. GUEST ROOM MECH. PLANS ON SHEETS M2-0 FOR DUCTWORK & EQUIPMENT SERVING INDIVIDUAL GUEST ROOM TYPES.

- PLAN NOTES:**
- 1 REFRIGERANT PIPING UP IN WALL TO ROOFTOP FAN COIL UNIT FC-2B FROM FAN COIL UNIT FC-2A.
 - 2 REFRIGERANT PIPING UP IN WALL FROM LEVEL 1 TO OUTDOOR UNIT OU-1 LOCATED ON ROOF ABOVE. SEE SHEET M1-3 FOR CONTINUATION OF PIPING ABOVE.
 - 3 16x14 SUPPLY DOWN IN CHASE FROM ABOVE. TRANSITION DUCT AT FLOOR LEVEL TO 18x10 SUPPLY AND CONTINUE DOWN TO LEVEL 1 CEILING SPACE. SEE SHEET M1-1 FOR CONTINUATION OF DUCTWORK.
 - 4 RISE 22x22 SUPPLY AIR DUCT UP THRU CEILING AND FLOOR ASSEMBLY TO MECHANICAL ROOM 3.7 ABOVE. SEE SHEET M1-3 FOR CONTINUATION OF DUCT INSIDE MECH. ROOM 3.7.
 - 5 4"Ø EXHAUST DUCT UP FROM LEVEL 1 BELOW. SEE SHEET M1-1 FOR CONTINUATION OF DUCTWORK BELOW.
 - 6 OFFSET 4"Ø EXHAUST DUCT(S) AS SHOWN IN CEILING OF THIS LEVEL AND RISE UP IN WALL / CHASE ABOVE TO ROOF TOP EXHAUST FAN.
 - 7 INSTALL FIRE DAMPER IN 8"Ø DUCT AT CHASE PENETRATION. WITH 6x6 ACCESS PANEL LOCATED ABOVE LAY-IN CEILING.

05.06.22

DATE: 6-16-22 REV: 2

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
2ND LEVEL MECHANICAL FLOOR PLAN

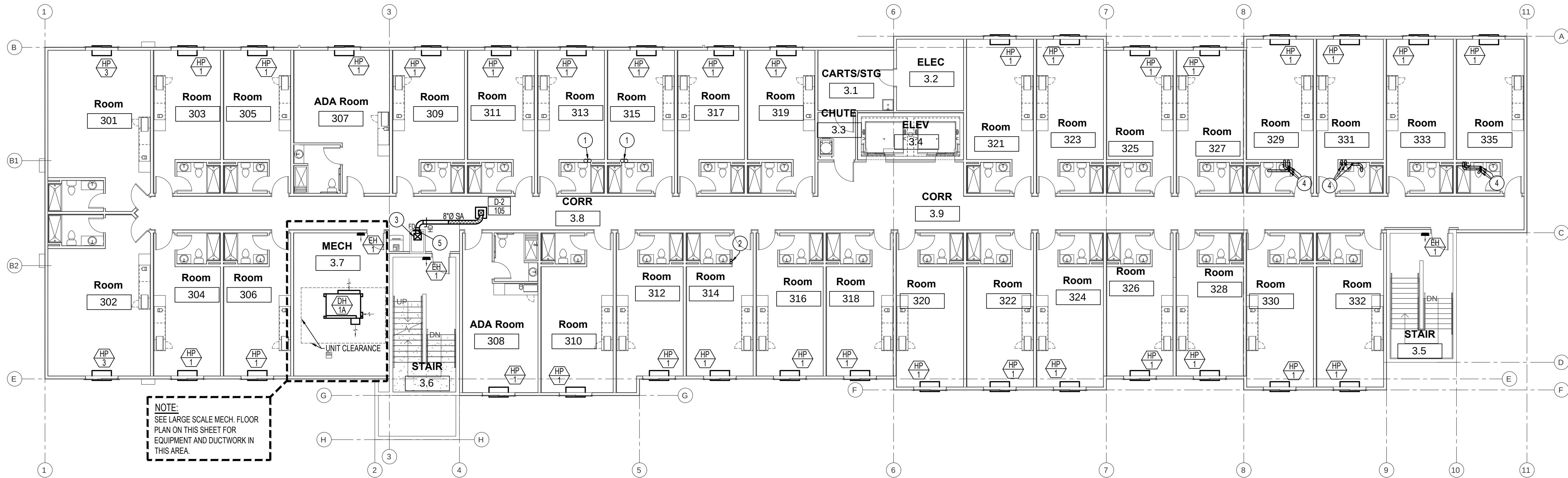
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M1-2

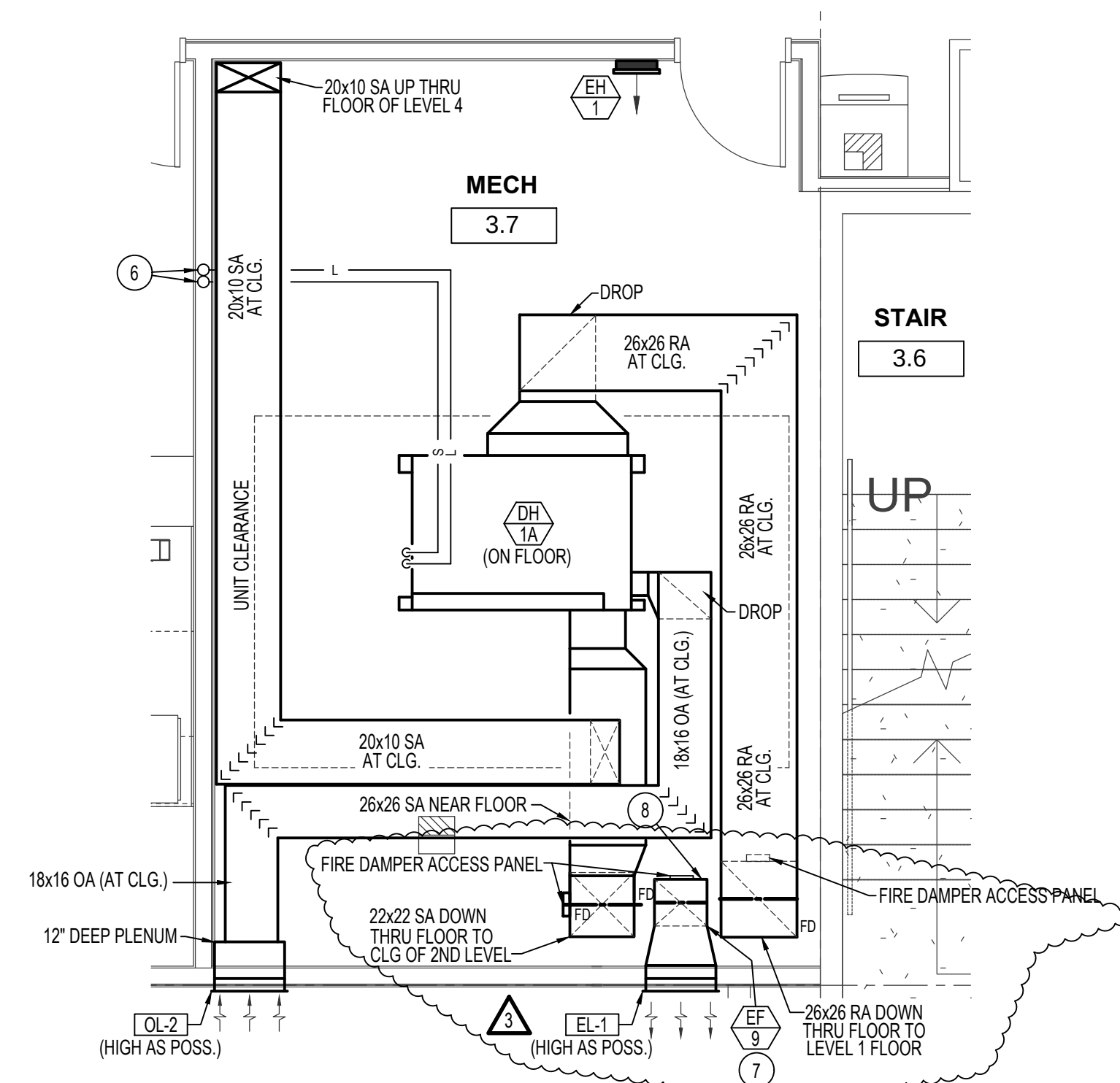


3RD LEVEL - MECHANICAL FLOOR PLAN

SCALE: 3/32" = 1'-0"

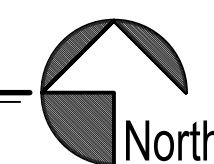


NOTE:
SEE LARGE SCALE TYP. GUEST ROOM
MECH. PLANS ON SHEETS M2-0 FOR
DUCTWORK & EQUIPMENT SERVING
INDIVIDUAL GUEST ROOM TYPES.



LARGE SCALE MECH. ROOM 3.7 MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



PLAN NOTES:

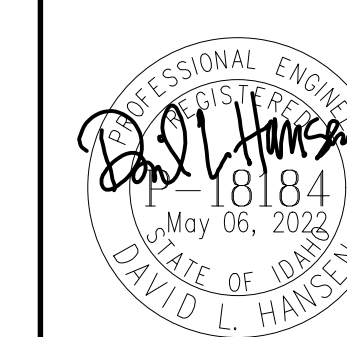
- REFRIGERANT PIPING DOWN IN WALL FROM ROOFTOP FAN COIL UNIT FC-2B DOWN TO LEVEL 2 FAN COIL UNIT FC-2A.
- REFRIGERANT PIPING UP IN WALL TO OUTDOOR UNIT OU-1 LOCATED ON ROOF ABOVE. SEE SHEET M1-4 FOR CONTINUATION OF PIPING ABOVE.
- 16x14 SUPPLY AIR DUCT DOWN IN CHASE FROM ABOVE. CONTINUE WITH 16x14 SUPPLY DUCT DOWN TO LEVEL 2. SEE SHEET M1-2 FOR CONTINUATION OF DUCTWORK.
- OFFSET 4"Ø EXHAUST DUCT(S) AS SHOWN IN CEILING OF THIS LEVEL AND RISE UP IN WALL / CHASE ABOVE TO ROOF TOP EXHAUST FAN.
- INSTALL FIRE DAMPER IN 8"Ø DUCT AT CHASE PENETRATION. WITH 6x6 ACCESS PANEL LOCATED ABOVE LAY-IN CEILING.
- RISE REFRIGERANT PIPING UP IN WALL TO DH-1B REMOTE CONDENSOR LOCATED ON ROOF ABOVE. SEE SHEET M1-4 FOR CONTINUATION OF PIPING.
- INSTALL IN-LINE EXHAUST FAN EF-9 IN VERTICAL PORTION OF 18x16 EXHAUST DUCT AT 4'-0" A.F.F. TRANSITION AS REQUIRED TO FAN WITH DUCTWORK. INTERLOCK EXHAUST FAN WITH DEHUMIDIFICATION UNIT DH-1A OPERATION.
- PENETRATE FLOOR WITH 18x16 EXHAUST DUCT AND RUN DOWN TO CEILING EXHAUST GRILLE EG-2 BELOW.

A NEW HOTEL:

HOTEL
TWIN FALLS, ID.

3RD LEVEL MECHANICAL FLOOR PLAN

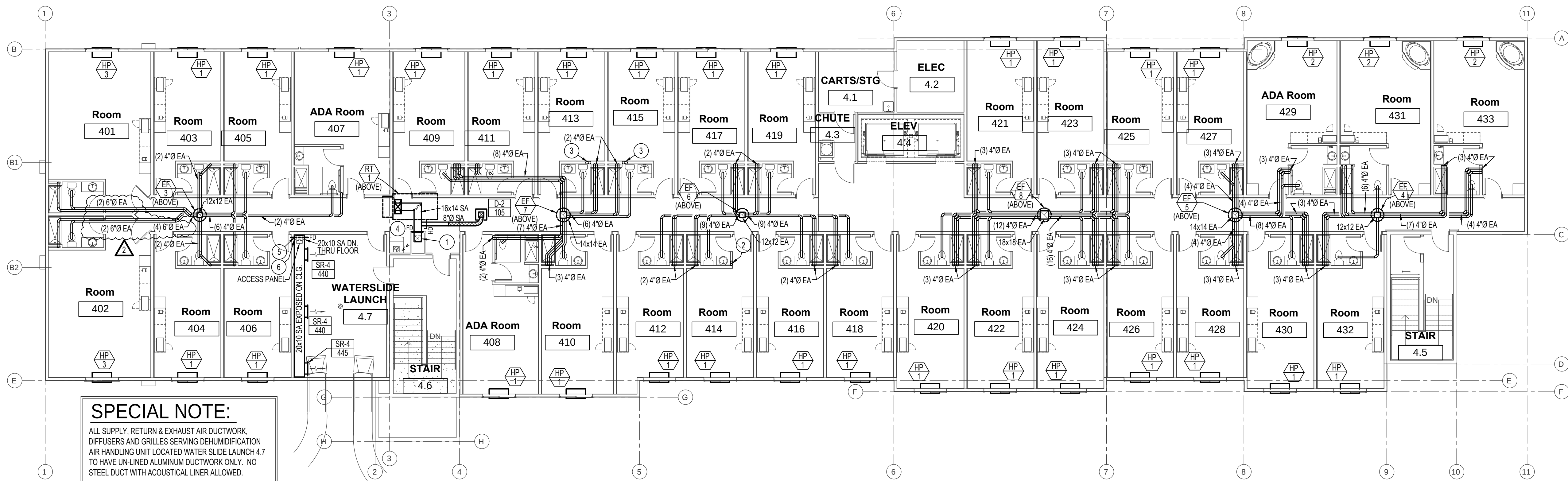
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DATE: 5/06/2022
DR: DLH
Checked: DLH

M1-3



SPECIAL NOTE:
ALL SUPPLY, RETURN & EXHAUST AIR DUCTWORK, DIFFUSERS AND GRILLES SERVING DEHUMIDIFICATION AIR HANDLING UNIT LOCATED WATER SLIDE LAUNCH 4.7 TO HAVE UN-LINED ALUMINUM DUCTWORK ONLY. NO STEEL DUCT WITH ACOUSTICAL LINER ALLOWED.

4TH LEVEL - MECHANICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"

NOTE:
SEE LARGE SCALE TYP. GUEST ROOM MECH. PLANS ON SHEETS M2-0 FOR DUCTWORK & EQUIPMENT SERVING INDIVIDUAL GUEST ROOM TYPES.

- PLAN NOTES:**
- 1 DROP 16x14 SUPPLY AIR DUCT DOWN IN CHASE TO SERVE LEVELS BELOW. SEE SHEET M1-3 FOR CONTINUATION OF DUCTWORK.
 - 2 REFRIGERANT PIPING UP IN WALL TO OUTDOOR UNIT OU-1 LOCATED ON ROOF ABOVE. SEE SHEET M1-5 FOR CONTINUATION OF PIPING ABOVE AND LOCATION OF OUTDOOR UNIT OU-1.
 - 3 REFRIGERANT PIPING DOWN IN WALL FROM ROOFTOP FAN COIL UNIT FC-2B DOWN TO LEVEL 2 FAN COIL UNIT FC-2A.
 - 4 INSTALL FIRE DAMPER IN 16x14 DUCT AT CHASE PENETRATION. WITH 12x12 ACCESS PANEL LOCATED ABOVE LAY-IN CEILING.
 - 5 INSTALL FIRE DAMPER IN 20x10 SA DUCT AT FLOOR PENETRATION. INSTALL 12x12 ACCESS PANEL AT 12" A.F.F. ON SOUTH SIDE OF CHASE.
 - 6 SEAL ALL AROUND DUCTWORK AT FLOOR PENETRATION WATER TIGHT.

05.06.22

DATE: 6.16.22
REV 3
7.12.22
REV 2 CITY COMMENTS

A NEW HOTEL:
HOTEL
TWIN FALLS, ID
4TH LEVEL MECHANICAL FLOOR PLAN

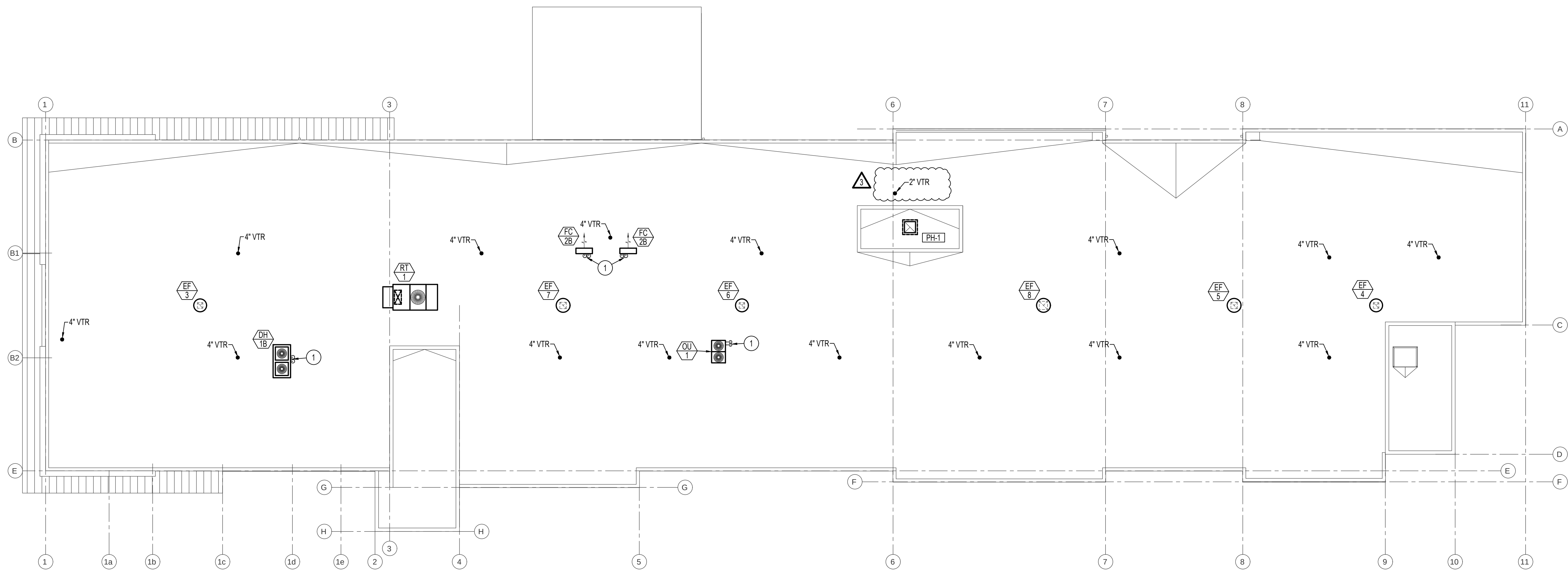
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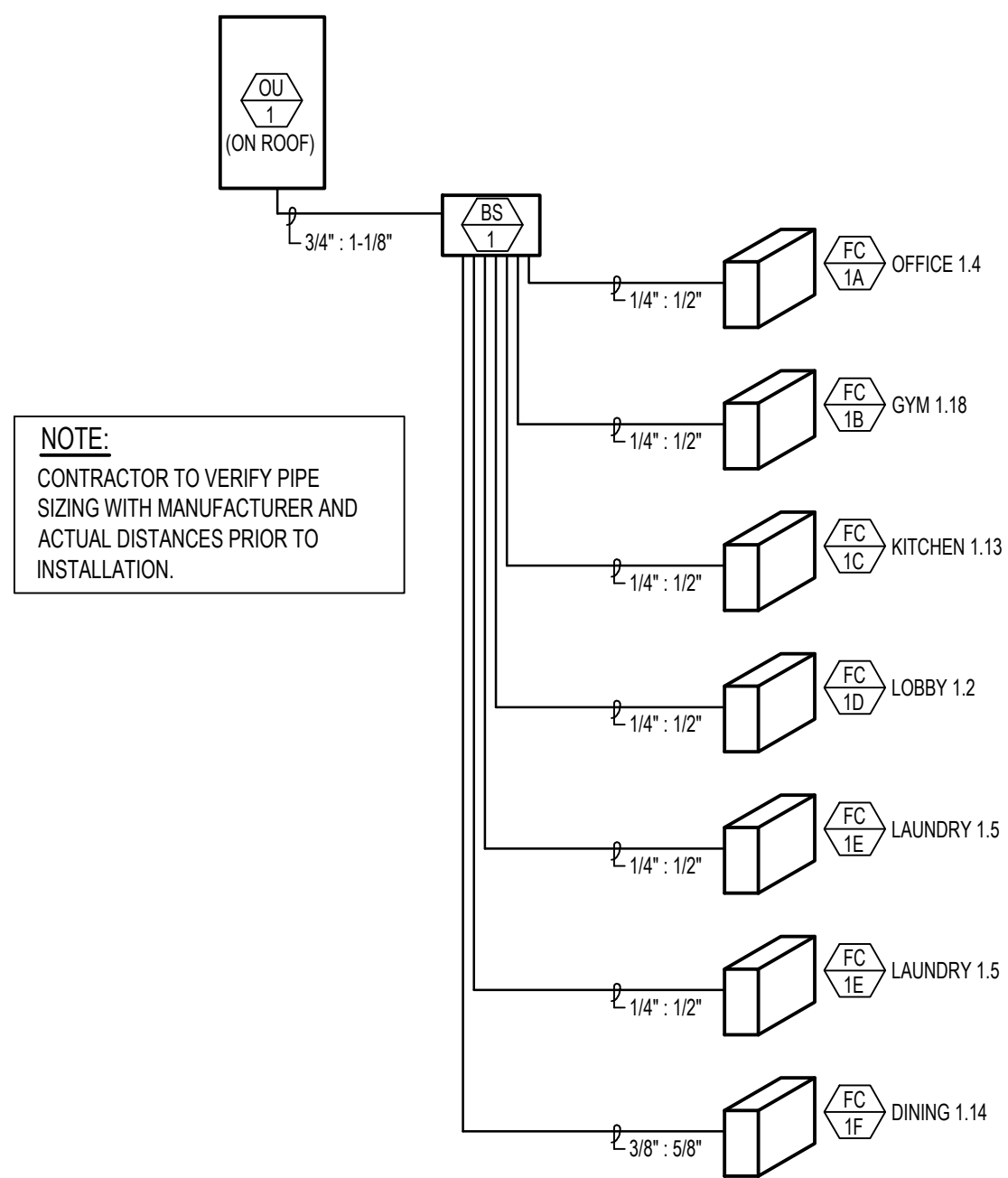
DATE: 5/06/2022

SR	DLH
Drawn	Checked

M1-4



ROOF LEVEL - MECHANICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"



VRF REFRIGERANT PIPING DIAGRAM
NO SCALE

PLAN NOTES:
1 DROP REFRIGERANT PIPING THRU ROOF IN GOOSENECK ASSEMBLY. SEAL ROOF PENETRATIONS WEATHERTIGHT. SEE DETAIL ON SHEET M3-0.

05.06.22

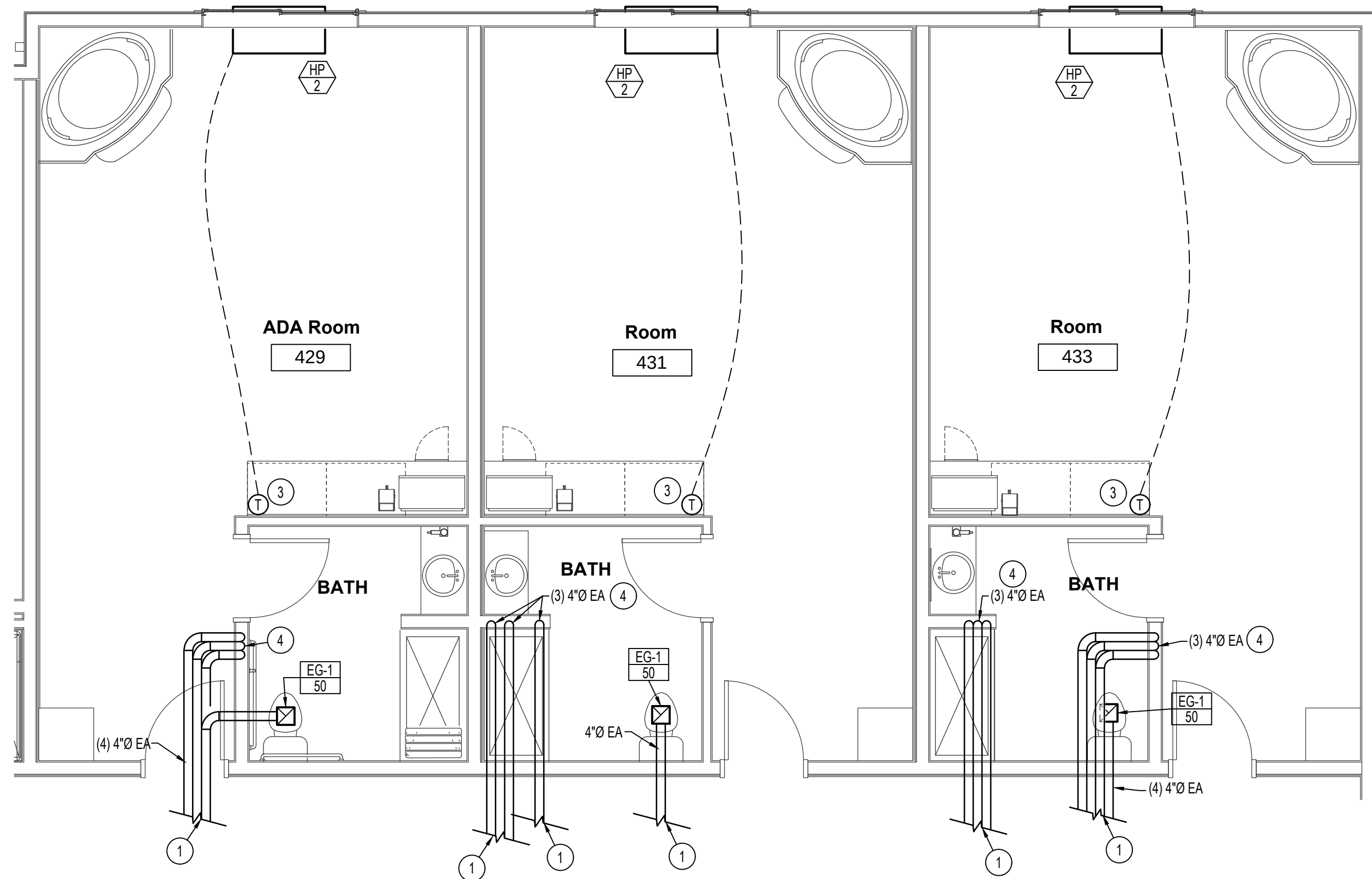
DATE: 6-16-22 REV: 3

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
ROOF LEVEL MECHANICAL FLOOR PLAN

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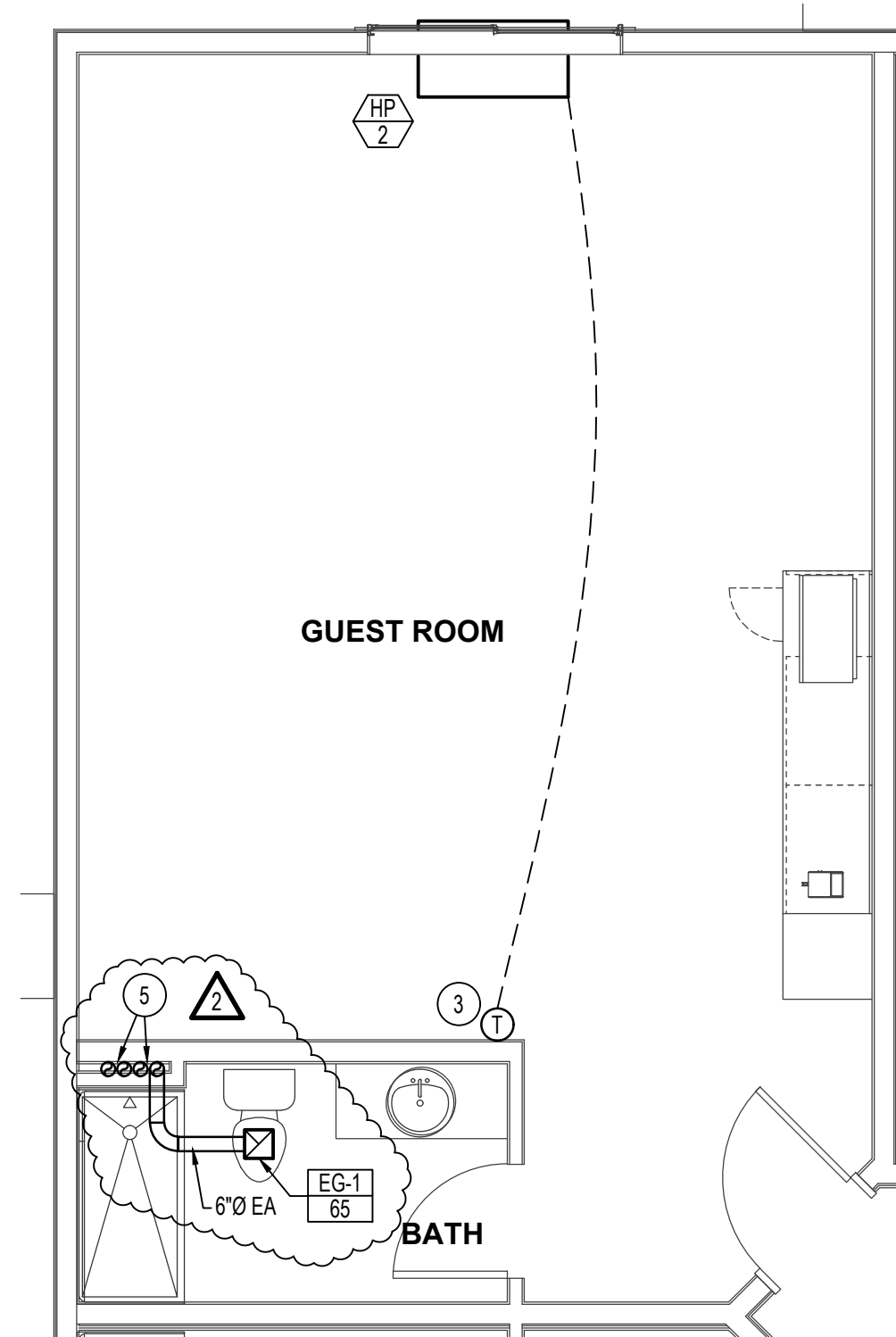
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M1-5



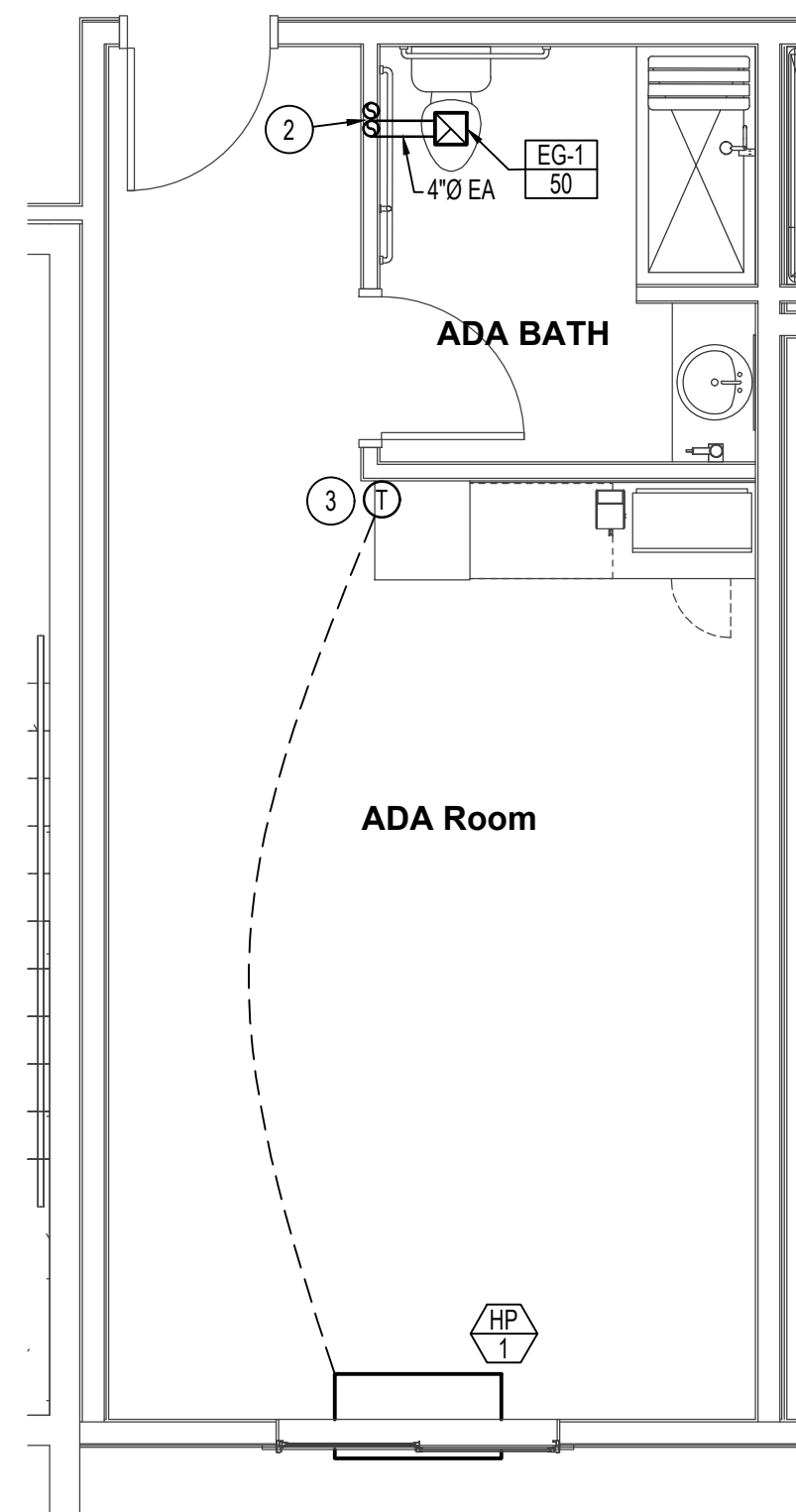
LEVEL 4 GUEST ROOMS 429, 431, 433
LARGE SCALE MECHANICAL FLOOR PLANS

SCALE: 1/4" = 1'-0"



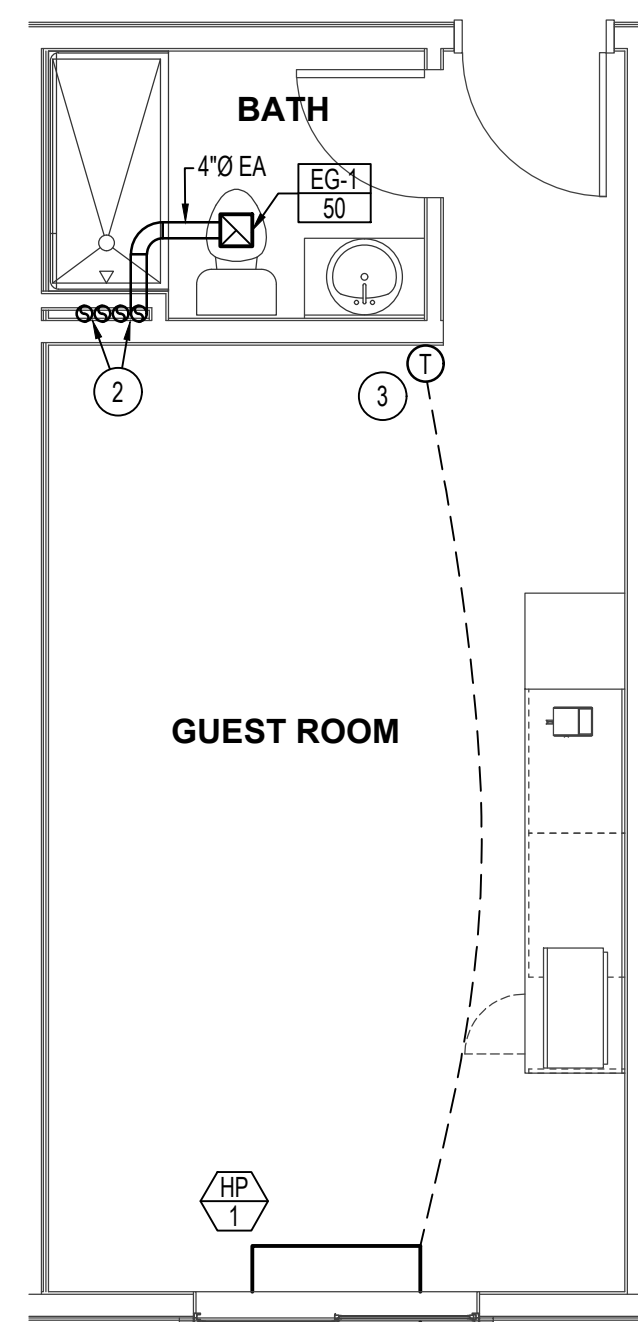
LARGE SCALE MECHANICAL FLOOR PLAN
TYP. OF ROOMS 301, 302, 401, 402

SCALE: 1/4" = 1'-0"



LARGE SCALE MECHANICAL FLOOR PLAN
TYP. OF ADA ROOMS 202, 307, 308, 407, 408

SCALE: 1/4" = 1'-0"



TYPICAL GUEST ROOM
LARGE SCALE MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



PLAN NOTES:

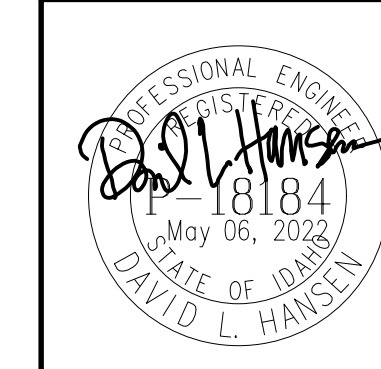
- 1 SEE SHEET M1-4 FOR CONTINUATION OF EXHAUST DUCTWORK RUNNING TO ROOFTOP EXHAUST FANS.
- 2 RISE 4"Ø EXHAUST DUCT UP IN CHASE TO ROOFTOP EXHAUST FAN. SEE SHEET M1-4 FOR CONTINUATION AND FINAL NUMBER OF EXHAUST DUCTS SERVING EACH ROOFTOP EXHAUST FANS.
- 3 INSTALL THERMOSTAT PROVIDED WITH HEAT PUMP PACKAGE ON WALL AT 60" A.F.F AND INTERLOCK WITH HEAT PUMP UNIT.
- 4 DROP 4"Ø EXHAUST DUCTS DOWN IN WALL CAVITY TO SERVE LEVELS BELOW. SEE MECHANICAL FLOOR PLAN ON SHEET M1-3 FOR CONTINUATION OF DUCTWORK.
- 5 RISE 6"Ø EXHAUST DUCT UP IN CHASE TO ROOFTOP EXHAUST FAN. SEE SHEET M1-4 FOR CONTINUATION AND FINAL NUMBER OF EXHAUST DUCTS SERVING EACH ROOFTOP EXHAUST FANS.

05.06.22

DATE: 6-16-22
REV 3
7-12-22
REV 2 CITY COMMENTS

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
LARGE SCALE MECHANICAL PLANS

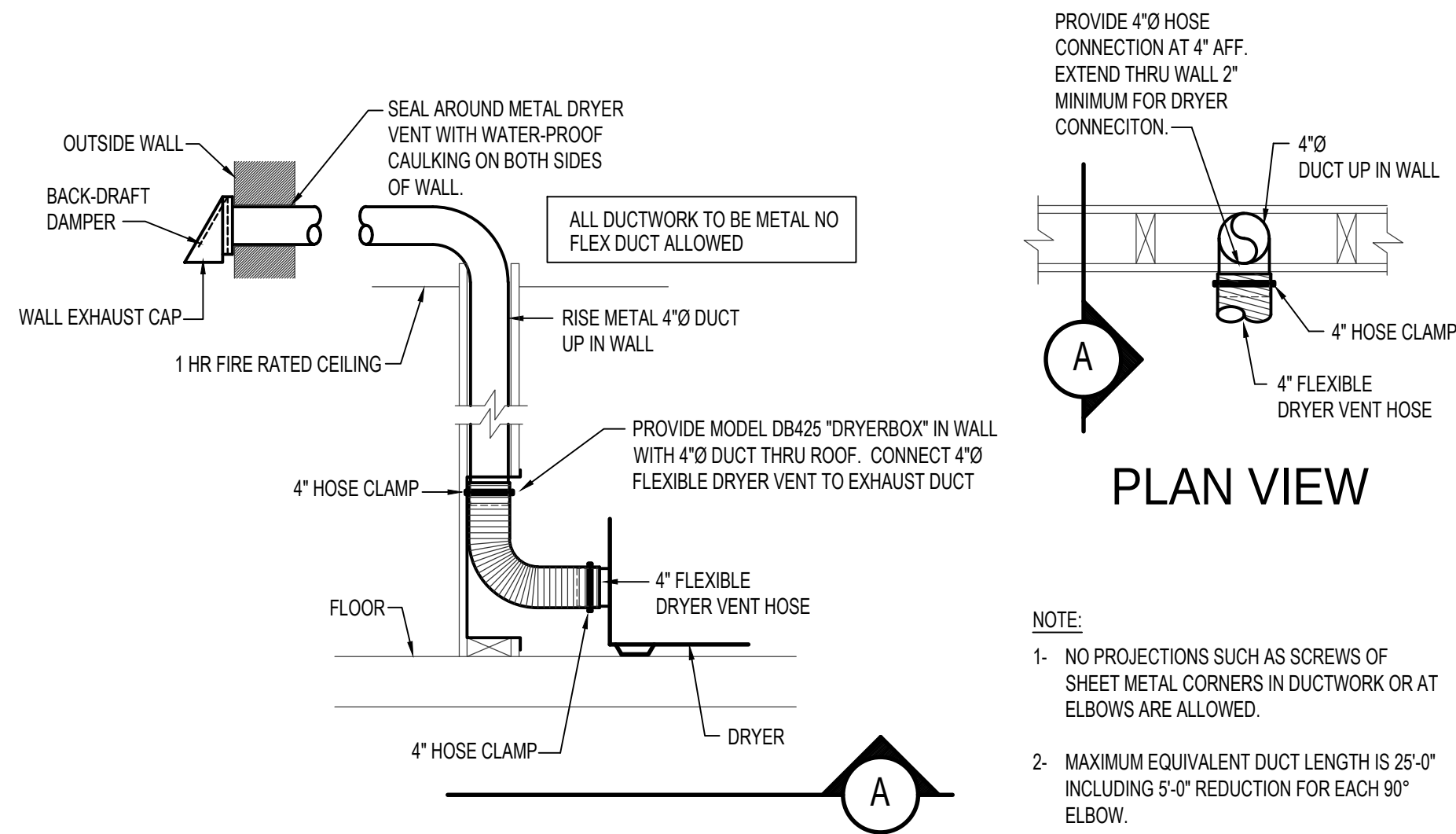
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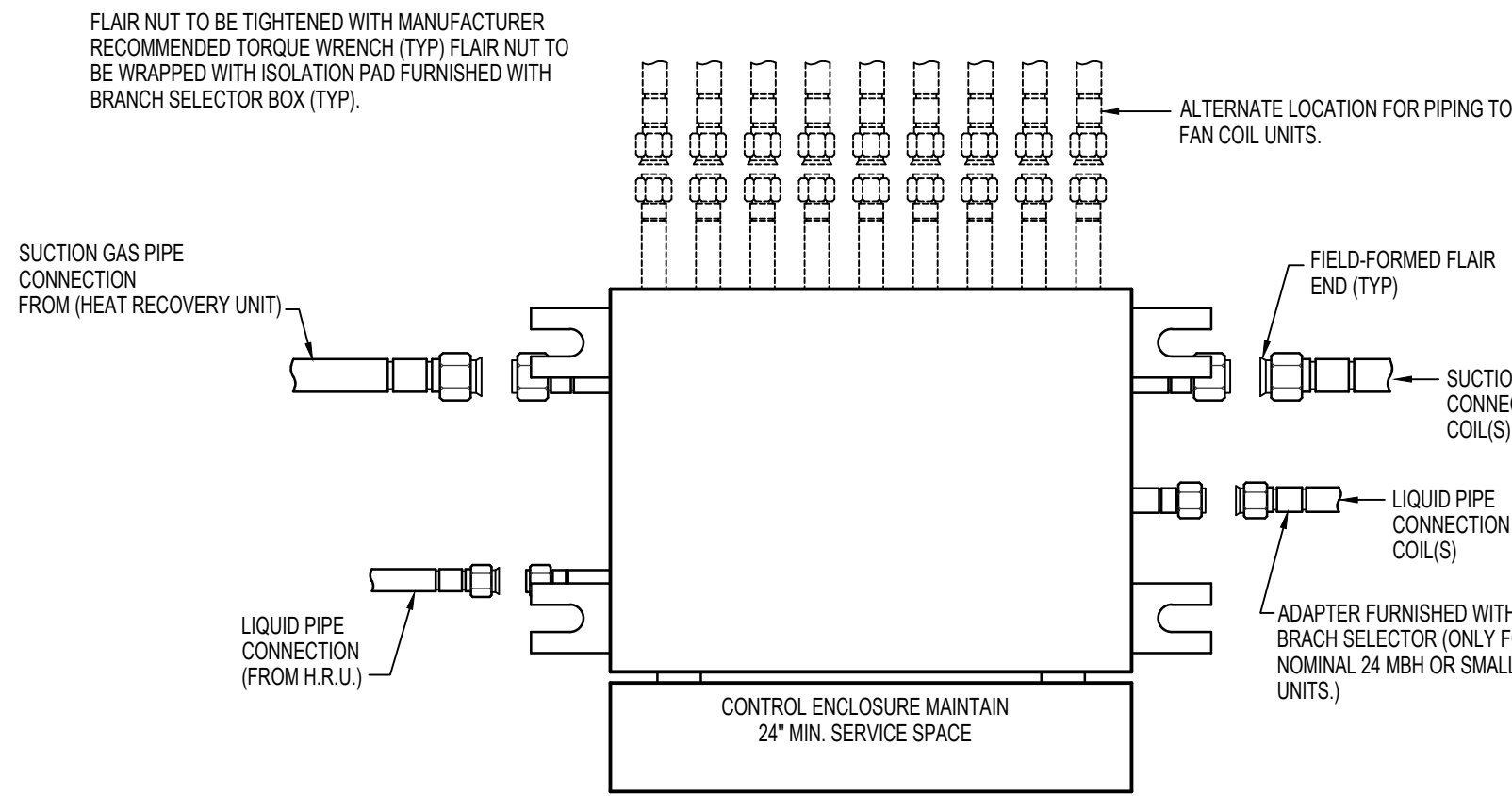
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EMAIL: esa@engsystems.com
ESA JOB NUMBER: 22017

DATE: 5/06/2022
SR: Drawn
DLH: Checked

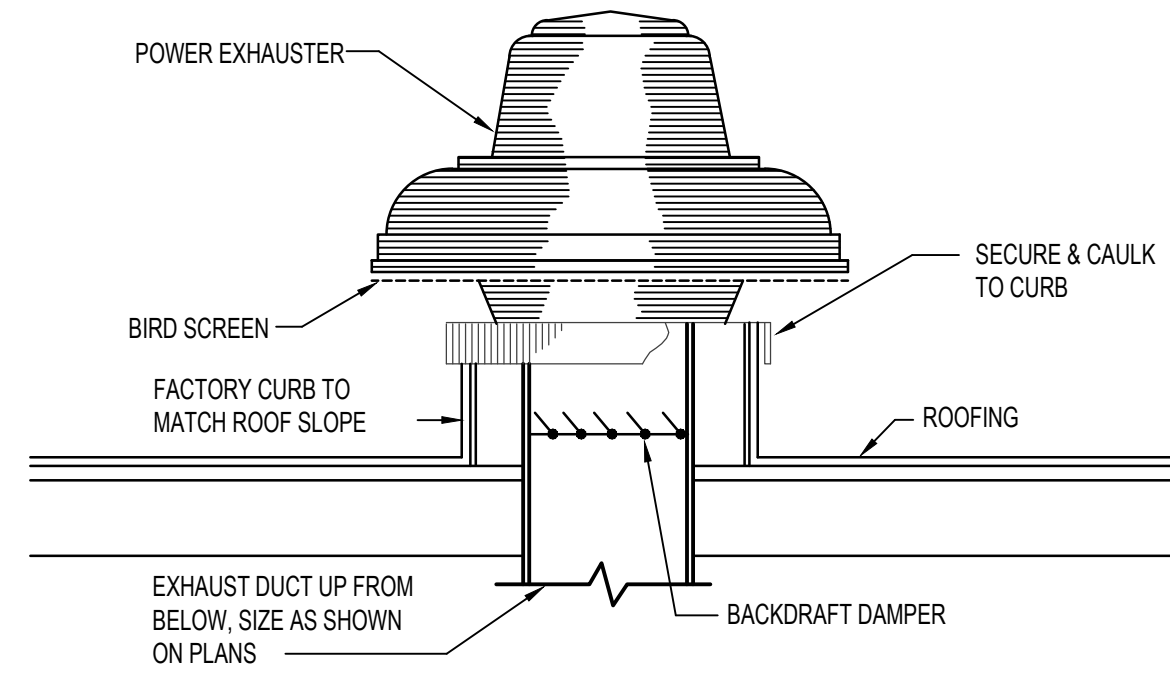
M2-0



DRYER VENT DETAIL
NO SCALE



VRF REFRIGERANT BRANCH BOX DETAIL
NO SCALE



ROOF TOP EXHAUST FAN DETAIL
NO SCALE

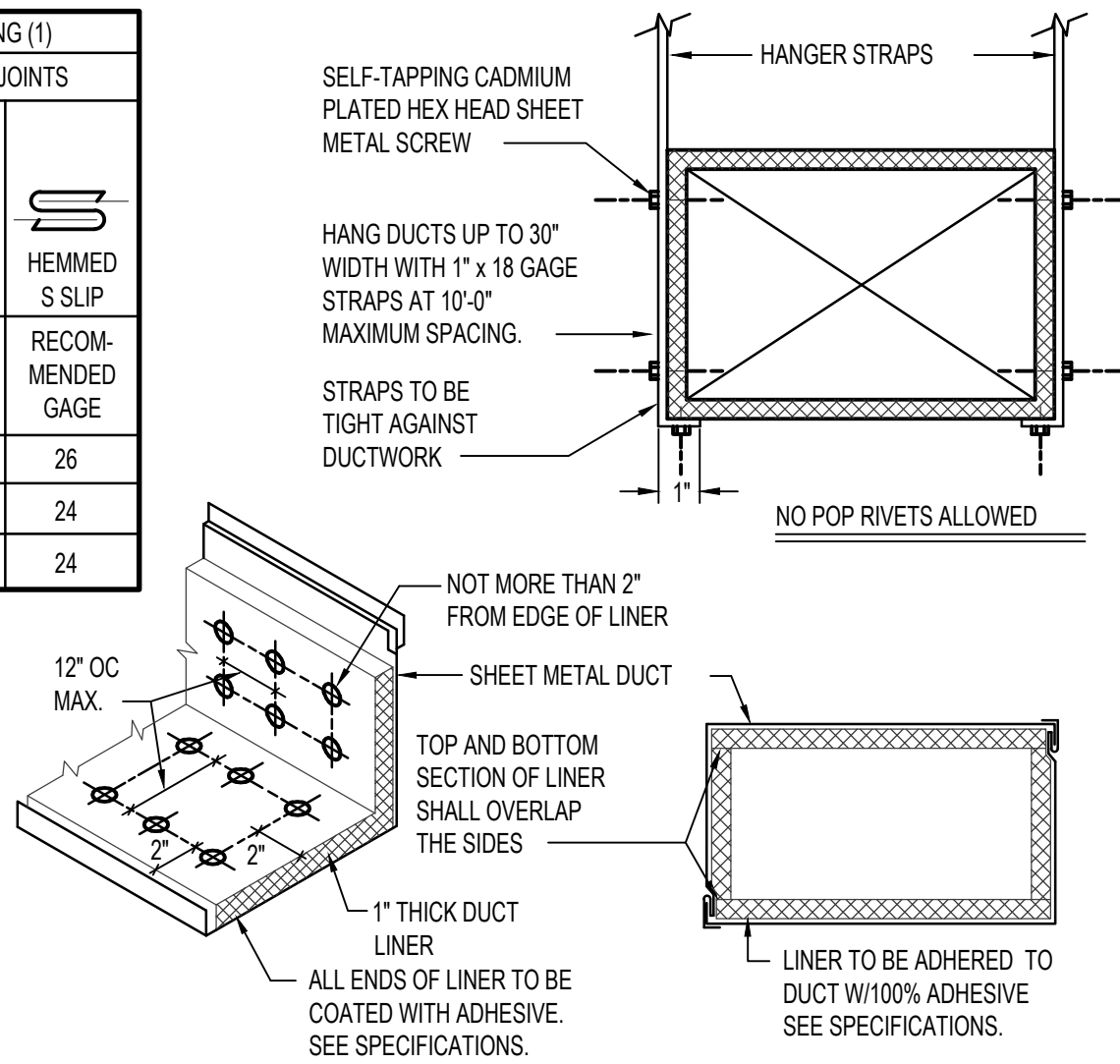
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1) MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS	
			DRIVE SLIP	HEMMED S SLIP
UP THRU 12	26	NONE REQUIRED	26	26
13 - 18	24	NONE REQUIRED	24	24
19 - 30	24	1"x1"x1/8" @ 60 IN	-	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

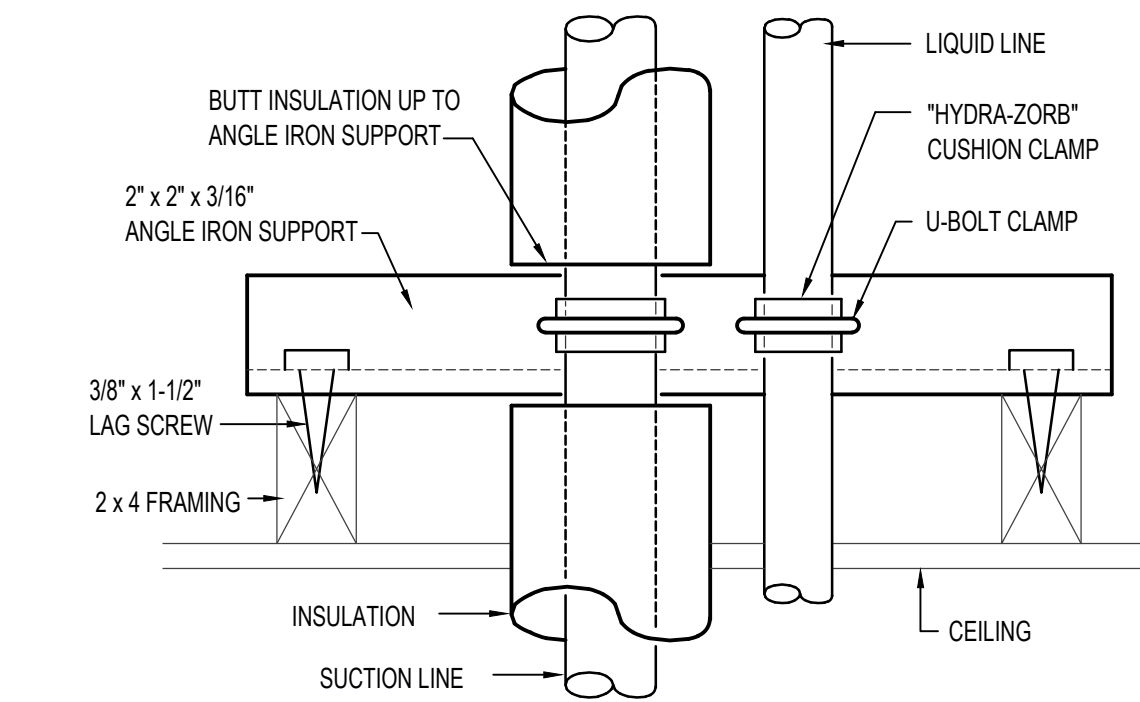
METAL FASTENERS - O MARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.

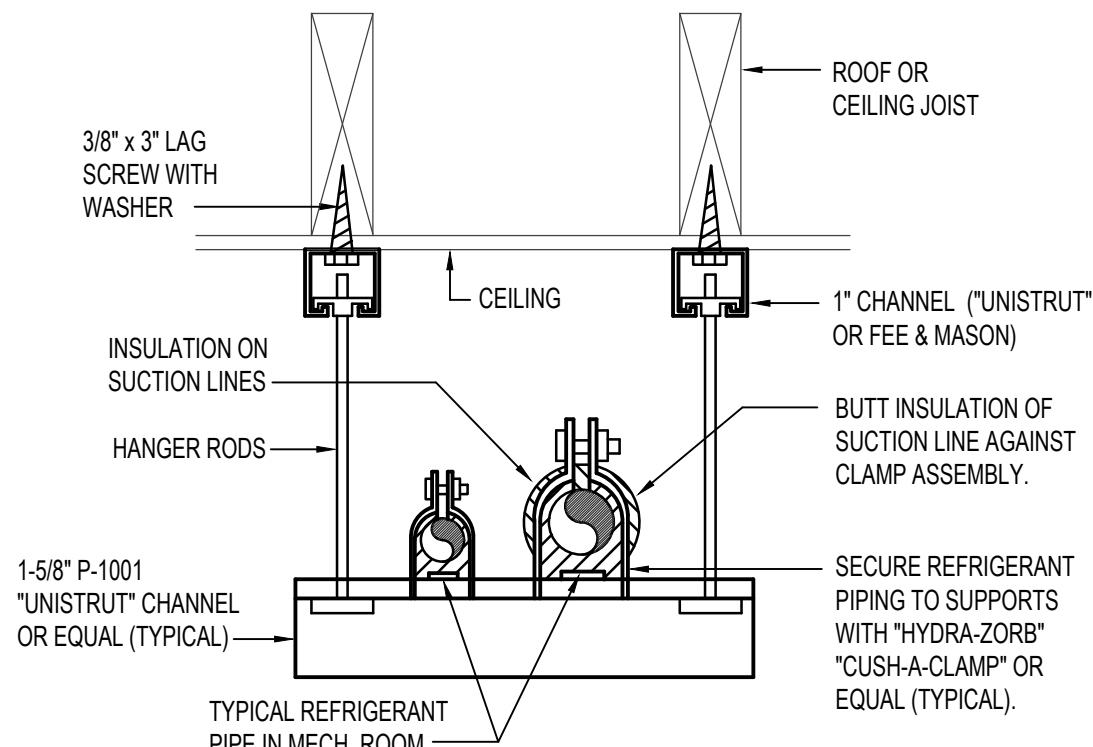
ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER



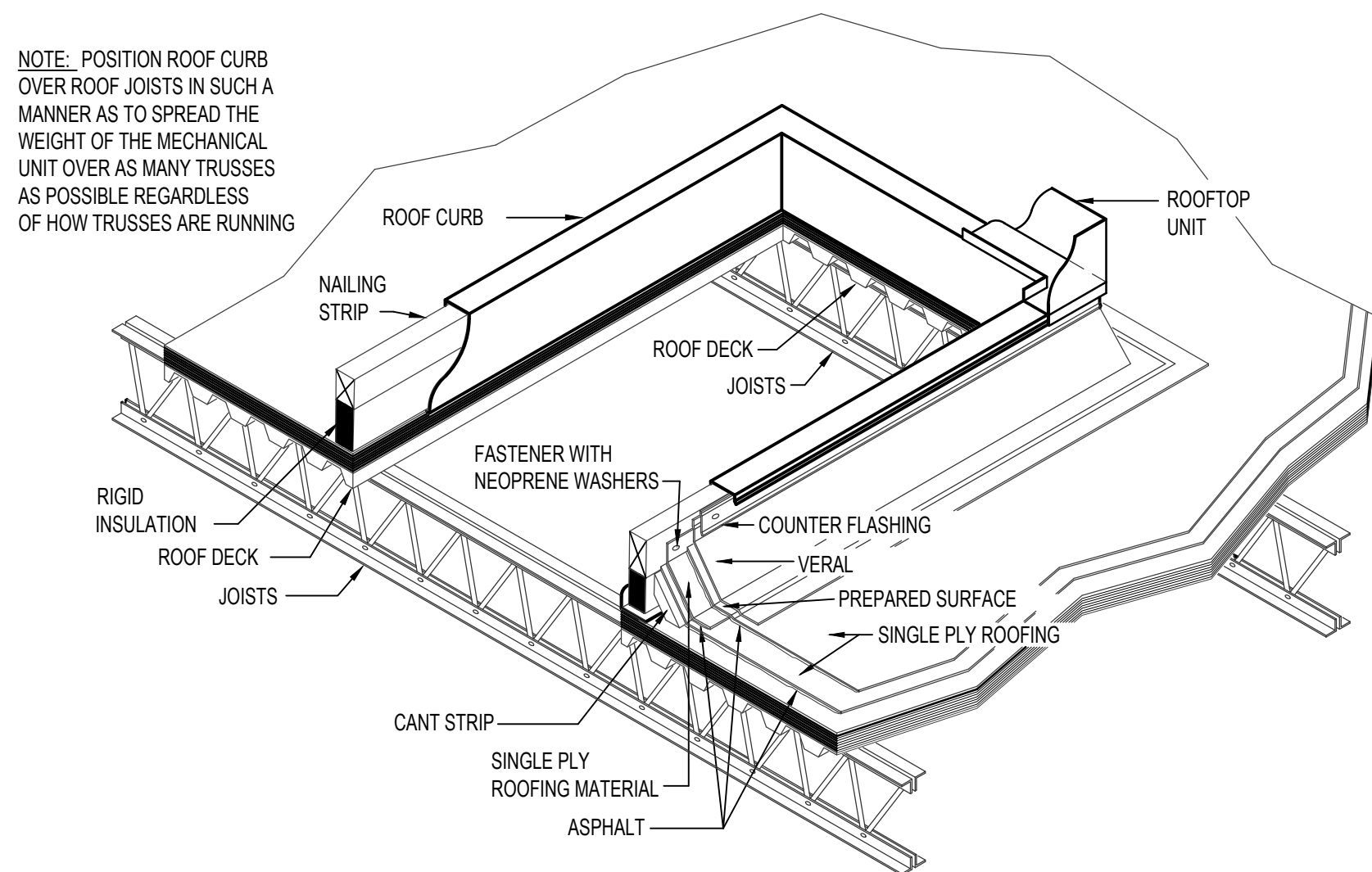
DUCT CONSTRUCTION AND HANGER DETAIL
NO SCALE



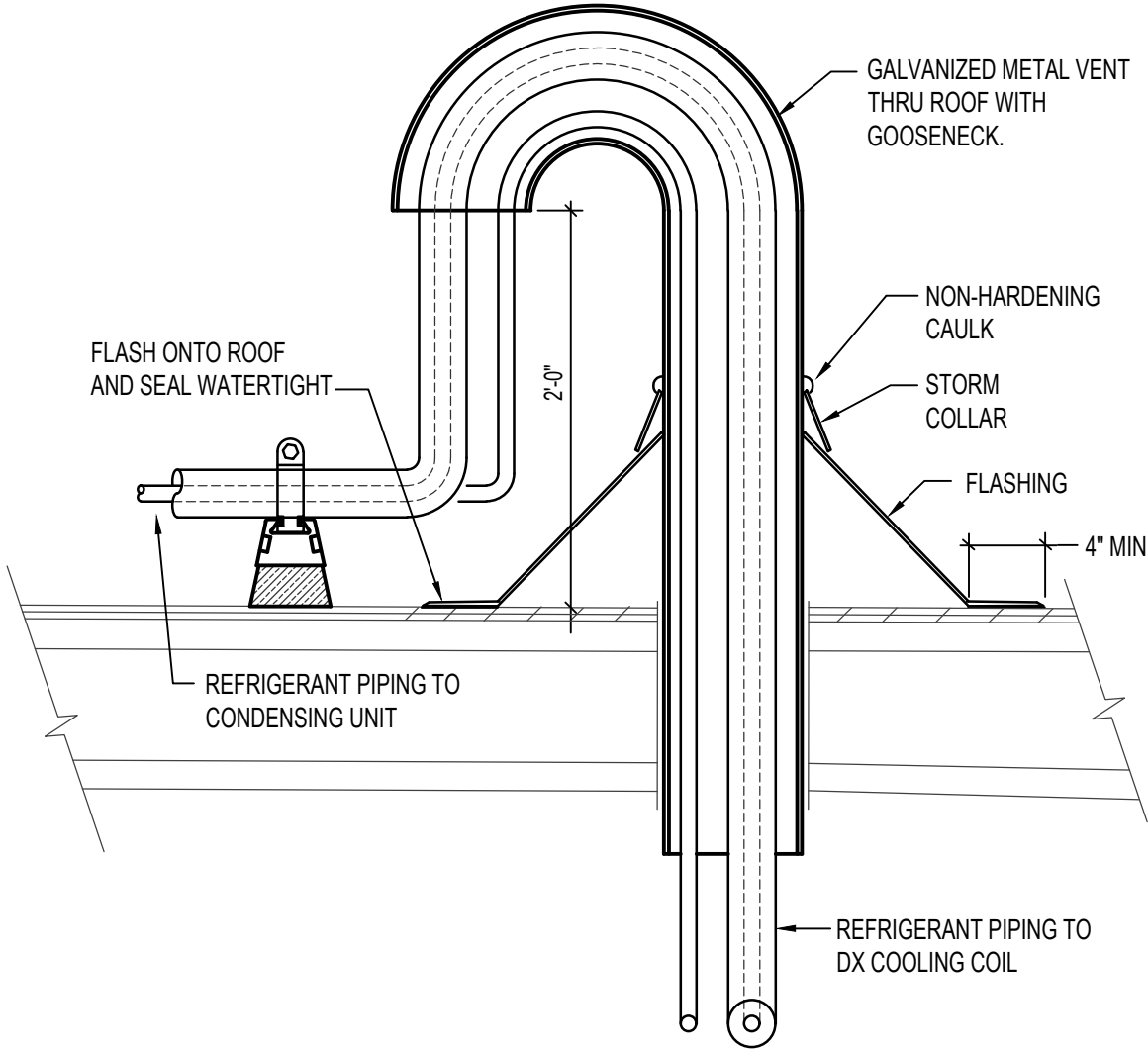
REFRIG. PIPING SUPPORT AT CEILING
NO SCALE



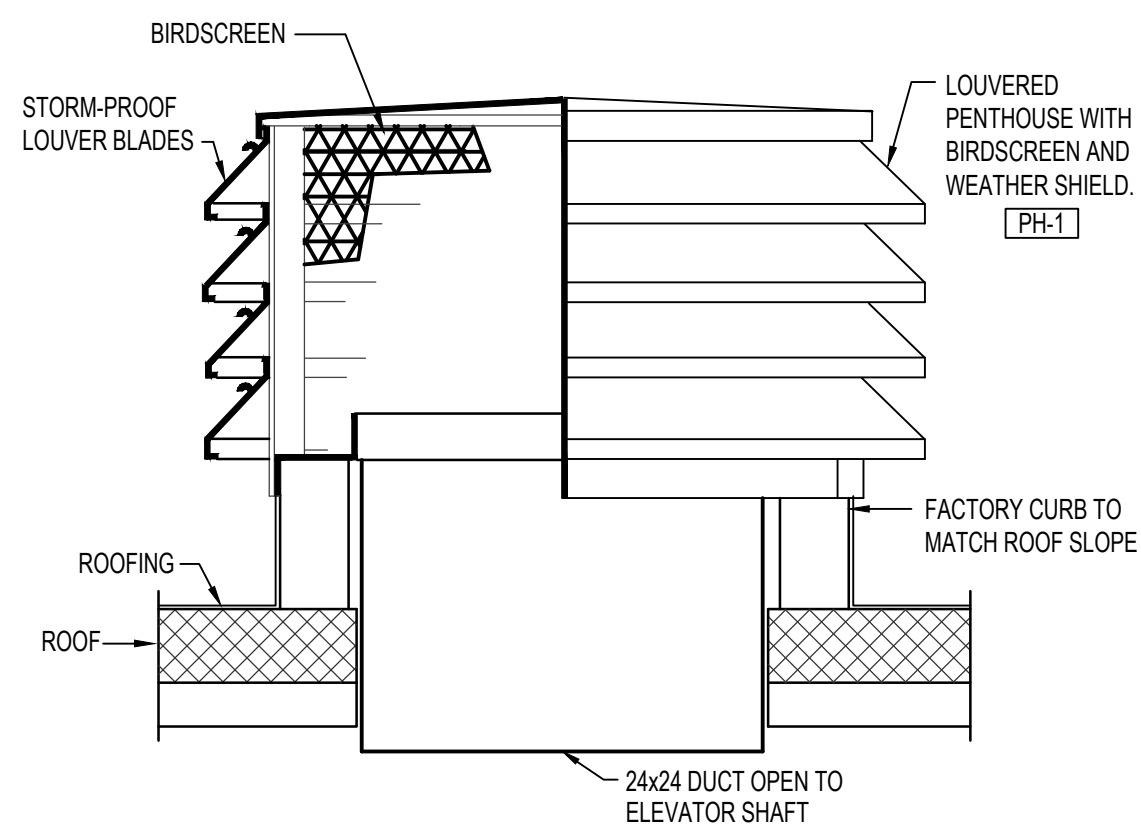
SUSPENDED PIPE SUPPORT
NO SCALE



TYPICAL ROOFTOP MOUNTING DETAIL
NO SCALE



REFR. PIPING THRU ROOF DETAIL
NO SCALE



ELEVATOR SHAFT PENTHOUSE DETAIL
NO SCALE

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05.06.22

DATE

A NEW HOTEL:

HOTEL

TWIN FALLS, ID.

MECHANICAL DETAILS

Laughlin Ricks Architecture

—architecture/planning—

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DATE: 5/06/2022

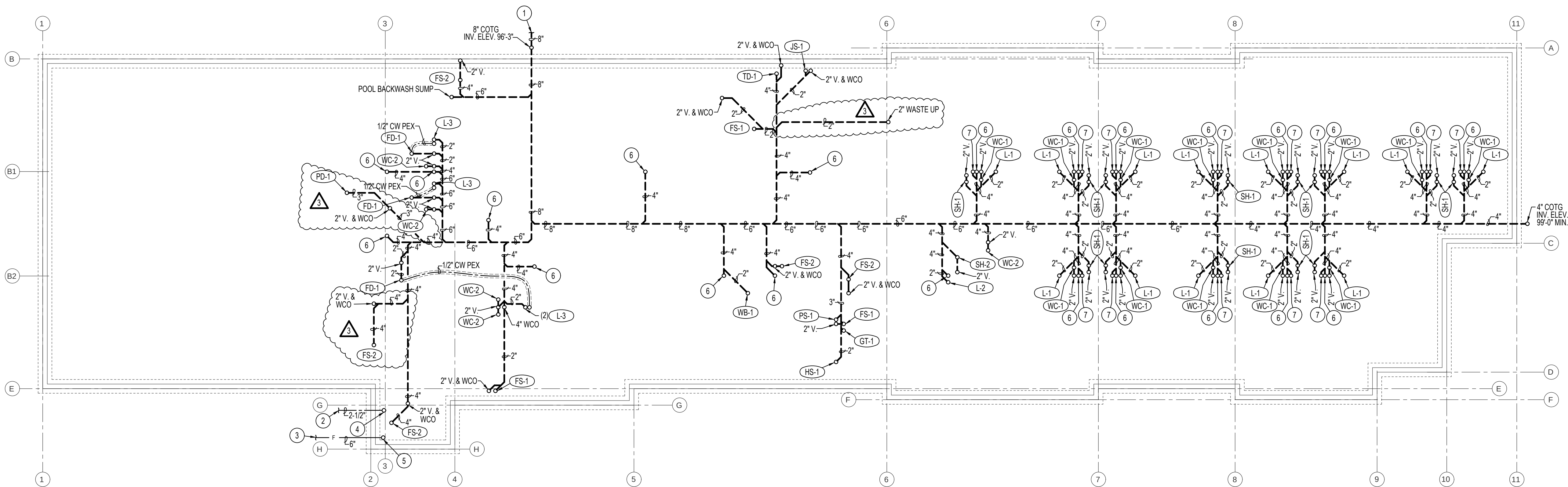
DR

Drawn

DLH

Checked

M3-0



FOUNDATION - PLUMBING FLOOR PLAN

SCALE: 3/32" = 1'-0"



PLAN NOTES:

- SEE CIVIL SITE PLAN FOR CONTINUATION OF 8" SANITARY SEWER MAIN.
- SEE CIVIL SITE PLAN FOR CONTINUATION OF 2-1/2" DOMESTIC CW MAIN.
- SEE CIVIL SITE PLAN FOR CONTINUATION OF 6" FIRE LINE.
- RISE 2-1/2" DOMESTIC CW MAIN LINE UP THRU SLAB TO PRESSURE REDUCING VALVE ASSEMBLY ABOVE. SEE SHEET P1-1 FOR LOCATION OF PRESSURE REDUCING VALVE ASSEMBLY IN RISER ROOM.
- RISE 6" FIRE LINE UP THRU SLAB TO FIRE RISER ASSEMBLY ABOVE. SEE SHEET P1-1 FOR LOCATION OF FIRE RISER IN RISER ROOM.
- 4" WASTE STACK UP IN WALL ABOVE TO SERVE LEVELS OF HOTEL ABOVE.
- 4" VENT STACK UP IN WALL ABOVE TO SERVE LEVELS OF HOTEL ABOVE.

05.06.22

DATE: 6-16-22
REV: 2

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
FOUNDATION PLUMBING PLAN

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PLUMBING LEGEND

SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
—	PIPE DROP
—	PIPE RISE
—	BALL TYPE ISOLATION VALVE
---	SOIL OR WASTE PIPING
----	VENT LINE PIPING
-----	DOMESTIC COLD WATER PIPING
-----	DOMESTIC HOT WATER PIPING
-----	HOT WATER RECIRC. PIPING
G	GAS PIPING

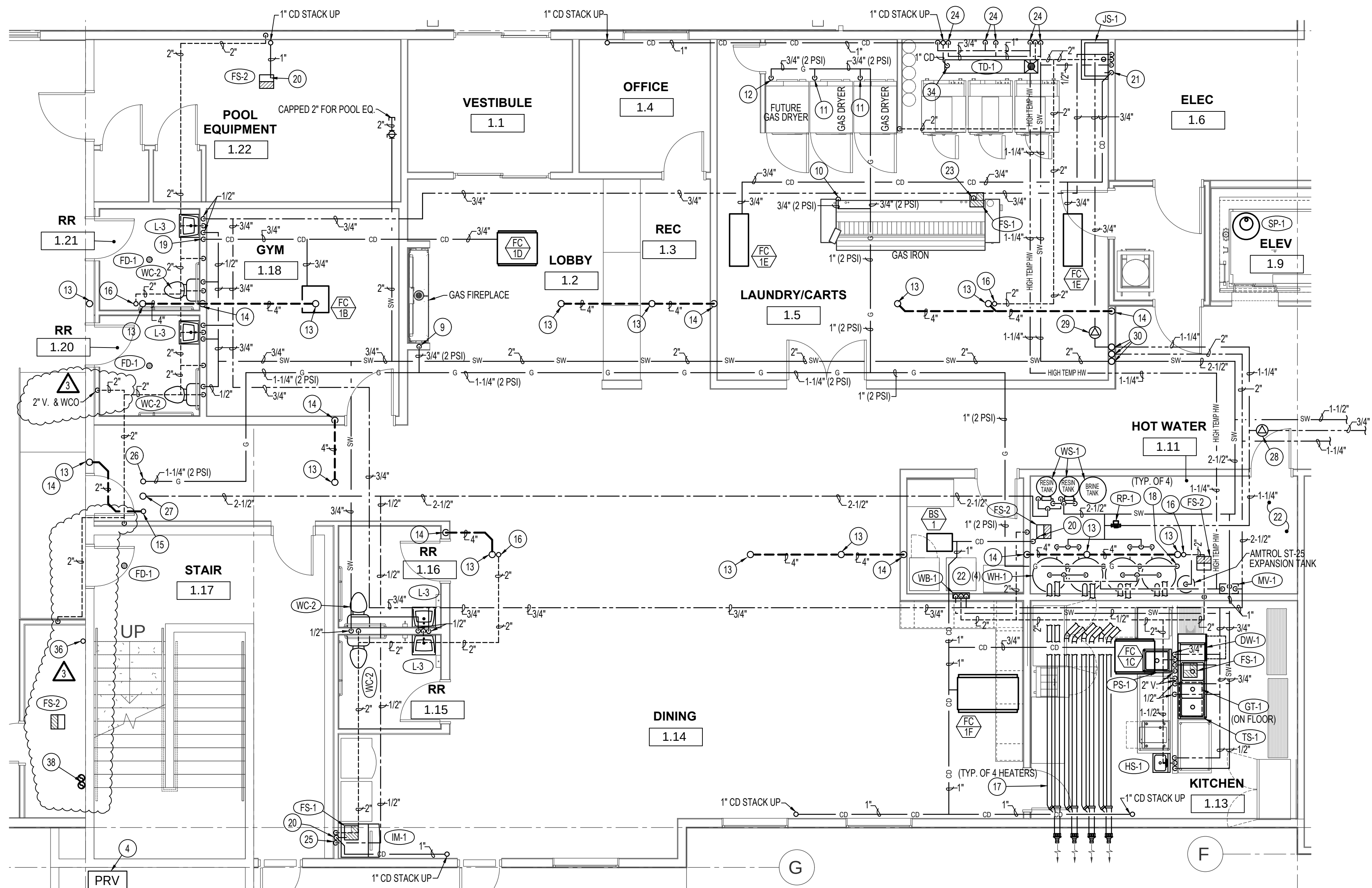
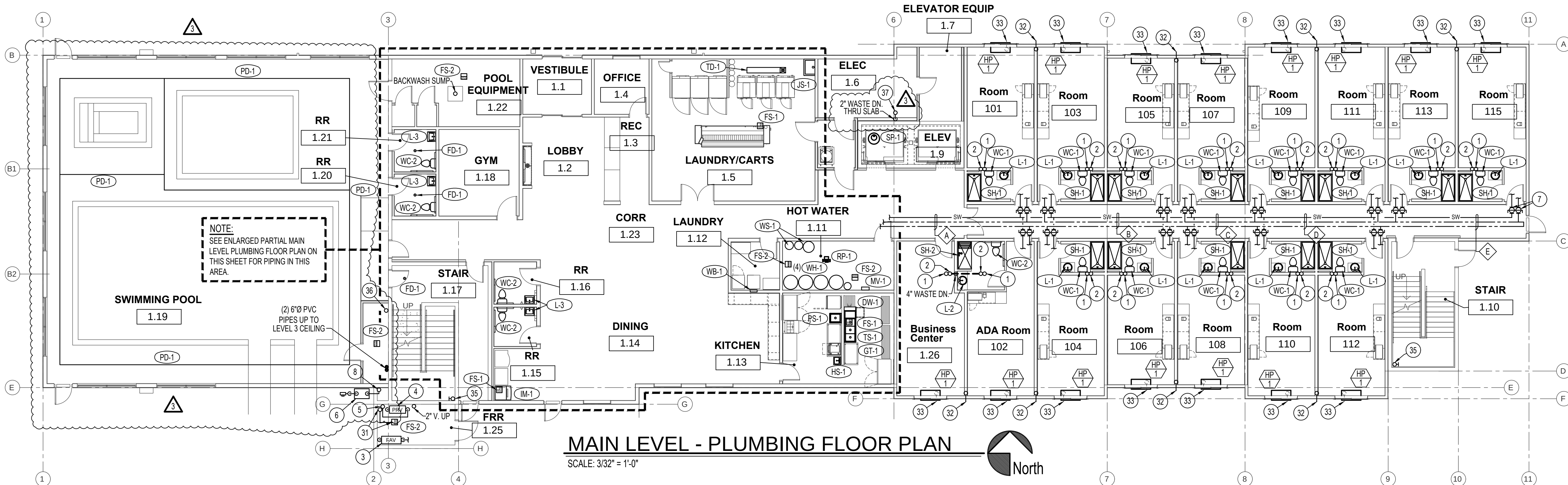


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P1-0



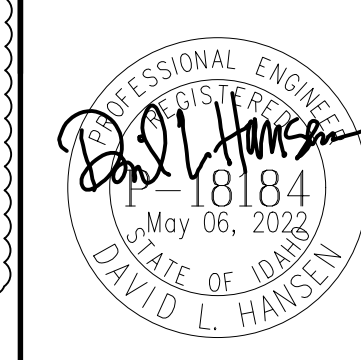
PIPING SIZES THIS SHEET ONLY				
MARK	SOFT CW	HOT	HOT	HWRC
A	1-1/2"	---	1-1/4"	3/4"
B	1-1/4"	3/4"	1-1/4"	---
C	1-1/4"	1"	1-1/4"	---
D	1"	1"	1-1/4"	---
E	3/4"	1"	1"	---

PLAN NOTES:

- 32 1" CONDENSATE STACK DOWN IN WALL FROM ABOVE. RUN 1" CONDENSATE LINE THRU EXTERIOR WALL 6" A.F.F. AND TERMINATE WITH DOWNTURNED 90° ELBOW. PAINT EXPOSED DRAIN LINE TO MATCH EXTERIOR OF BUILDING.
- 33 RUN 3/4" CONDENSATE DRAIN FROM HEAT PUMP THRU WALL AS LOW AS POSSIBLE AND TERMINATE WITH 90° DOWNTURNED ELBOW. PAINT EXPOSED DRAIN LINE TO MATCH EXTERIOR OF BUILDING.
- 34 DROP 1" CONDENSATE DRAIN LINE DOWN EXPOSED ON WALL AND RUN OVER TO LAUNDRY TRENCH DRAIN AND TERMINATE WITH AIRGAP.
- 35 WET FIRE SPRINKLER STANDPIPE. SEE FIRE SPRINKLER DWGS.
- 36 1" CONDENSATE DRAIN LINE DOWN FROM DEHUMIDIFICATION UNIT LOCATED ON LEVEL 3 ABOVE. 1" CONDENSATE DRAIN LINE TO CONNECT TO SKIMMER PROVIDED BY POOL EQ.
- 37 2" WASTE STACK UP IN WALL ABOVE TO SERVE MOP SINKS ON LEVELS 2,3,4 ABOVE.
- 38 PLUMBING CONTRACTOR TO PROVIDE (2) 6" PVC PIPES FOR WATER SLIDE LAUNCH ON LEVEL 4 ABOVE.

PLAN NOTES:

- 1 4" WASTE STACK UP IN WALL ABOVE TO SERVE LEVELS ABOVE.
- 2 4" VENT STACK UP IN WALL ABOVE TO SERVE LEVELS ABOVE.
- 3 6" FIRE RISER ASSEMBLY. SEE DETAIL ON SHEET P3-0.
- 4 2-1/2" DOMESTIC CW PRESSURE REDUCING VALVE ASSEMBLY. SEE DETAIL ON SHEET P3-0.
- 5 RISE 2-1/2" DOMESTIC CW MAIN UP EXPOSED ON WALL TO LEVEL 3 ABOVE. SEE SHEET P1-2 FOR CONTINUATION OF PIPING.
- 6 GAS METER BY LOCAL GAS COMPANY SIZED FOR 1,960,000 BTU AT 2 PSI DELIVERY PRESSURE.
- 7 TYPICAL BALL TYPE SHUT-OFF VALVE ABOVE LAY-IN CEILING FOR 3/4" HW & 3/4" SOFT COLD WATER SERVING EACH GUEST ROOM.
- 8 RISE 1-1/4" (2 PSI) GAS LINE UP EXPOSED ON WALL OF RISER ROOM. SEE SHEET P1-2 FOR CONTINUATION OF PIPING.
- 9 DROP 3/4" (2 PSI) GAS LINE DOWN IN WALL TO SERVE GAS FIREPLACE. INSTALL 2 PSI TO OZ. REGULATOR SIZED FOR 58,000 BTU IN 3/4" GAS LINE & VENT REGULATOR TO THE EXTERIOR. CONNECT 3/4" (OZ.) GAS LINE TO FIREPLACE COMPLETE WITH SHUT-OFF VALVE, DIRT LEG, AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P3-0.
- 10 DROP 3/4" (2 PSI) GAS LINE DOWN EXPOSED THRU CEILING TO SERVE GAS IRON. INSTALL 2 PSI TO OZ. REGULATOR SIZED FOR 257,000 BTU IN 3/4" GAS LINE AND VENT REGULATOR TO THE EXTERIOR. CONNECT 3/4" (OZ.) GAS LINE TO GAS IRON COMPLETE WITH SHUT-OFF VALVE, DIRT LEG, AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P3-0.
- 11 DROP 3/4" (2 PSI) GAS LINE DOWN EXPOSED THRU CEILING TO SERVE GAS CLOTHES DRYER. INSTALL 2 PSI TO OZ. REGULATOR SIZED FOR 165,000 BTU IN 3/4" GAS LINE AND VENT REGULATOR TO THE EXTERIOR. CONNECT 3/4" (OZ.) GAS LINE TO DRYER COMPLETE WITH SHUT-OFF VALVE, DIRT LEG, AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P3-0.
- 12 DROP 3/4" (2 PSI) GAS LINE DOWN EXPOSED THRU CEILING TO SERVE FUTURE GAS CLOTHES DRYER. INSTALL 2 PSI TO OZ. REGULATOR SIZED FOR 165,000 BTU IN 3/4" GAS LINE AND VENT REGULATOR TO THE EXTERIOR. CAP PIPING BELOW REGULATOR FOR FUTURE CONNECTION.
- 13 4" WASTE UP IN WALL ABOVE. SEE SHEET P1-2 FOR CONTINUATION OF PIPING.
- 14 4" WASTE LINE DOWN IN WALL. SEE SHEET P1-0 FOR CONTINUATION OF PIPING UNDERSLAB.
- 15 2" WASTE LINE UP IN CHASE TO SERVE FLOOR SINKS ON LEVELS 2,3, AND 4 ABOVE. SEE SHEET P1-2 FOR CONTINUATION OF PIPING.
- 16 RISE 2" VENT UP IN WALL AND CONNECT TO 4" VENT STACK ON LEVEL 2 ABOVE.
- 17 INSTALL (2) 3" Ø FLUES FROM EACH WATER HEATER AS HIGH AS POSSIBLE AT CEILING OF MECH. ROOM AND RUN TO HORIZONTAL VENT TERMINATION ASSEMBLY ON EXTERIOR WALL. SEAL WALL PENETRATION WEATHERTIGHT.
- 18 INSTALL 2 PSI TO OZ. REGULATOR ON 3/4" GAS LINE SERVING EACH WATER HEATER. SIZE REGULATOR FOR BTU LOAD OF ACTUAL WATER HEATER SUPPLIED. VENT REGULATOR TO THE EXTERIOR. INSTALL 3/4" (OZ.) GAS LINE FROM REGULATOR TO HEATER COMPLETE WITH SHUT-OFF VALVE, FLEXIBLE CONNECTION AND DIRT LEG. SEE DETAIL ON SHEET P3-0.
- 19 RUN 3/4" CONDENSATE DRAIN LINE DOWN IN WALL AND CONNECT TO SINK SIDE OF P-TRAP USING DISHWASHER CONNECTION ON LAVATORY.
- 20 RUN 1" CONDENSATE DRAIN LINE DOWN EXPOSED ON WALL OR IN WALL & RUN TO FLOOR SINK. TERMINATE IN FLOOR SINK WITH AIRGAP.
- 21 RUN 3/4" CONDENSATE DRAIN LINE DOWN EXPOSED ON WALL AND RUN TO FLOOR MOUNTED JANITOR SINK AND TERMINATE IN SINK WITH AIRGAP.
- 22 SEE SHEET P3-1 FOR WATER HEATER PIPING DIAGRAM SHOWING INDIVIDUAL PIE SIZES IN THIS AREA.
- 23 RUN 1" CONDENSATE DRAIN FROM GAS FIRED IRON DOWN EXPOSED TO FLOOR SINK AND TERMINATE IN SINK WITH AIRGAP.
- 24 DROP 3/4" HIGH TEMP. HW PIPING AND 3/4" SOFT CW LINES DOWN EXPOSED ON WALL TO 36" A.F.F. INSTALL BALL TYPE SHUT-OFF VALVES WITH THREADED HOSE CONNECTIONS FOR CLOTHES WASHING MACHINE HOOK-UPS. VERIFY SIZE, AMOUNTS AND TYPE WITH WASHING MACHINE MANUFACTURER.
- 25 DROP 1/2" HARD COLD WATER LINE DOWN IN WALL TO SERVE ICE MAKER. INSTALL BACKFLOW PREVENTOR ON 1/2" CW LINE AND RUN 3/8" LINE TO ICE MAKER COMPLETE WITH SHUT-OFF VALVE. SEE DETAIL ON SHEET P3-1 FOR BACKFLOW PREVENTOR INFORMATION.
- 26 1-1/4" (2 PSI) GAS LINE UP IN CHASE TO LEVEL 3 ABOVE. SEE SHEET P1-2 FOR CONTINUATION OF PIPING ABOVE.
- 27 2-1/2" HARD DOMESTIC COLD WATER LINE UP IN CHASE TO LEVEL 3 ABOVE. SEE SHEET P1-2 FOR CONTINUATION OF PIPING ABOVE.
- 28 INSTALL BALANCING VALVE ON 3/4" HWRC PIPING SET AT 2 GPM FLOW.
- 29 INSTALL BALANCING VALVE ON 3/4" HWRC PIPING SET AT 1 GPM FLOW.
- 30 RISE 2-1/2" (SOFT) COLD WATER, 2" HOT WATER, AND 1-1/4" HOT WATER RECIRC. PIPING UP IN WALL CAVITY. SEE SHEET P1-2 FOR CONTINUATION OF PIPING ABOVE.
- 31 RUN 1" CONDENSATE DRAIN SERVING HEAT PUMPS ON LEVELS 3 AND 4 DOWN EXPOSED ON WALL OF RISER ROOM AND TERMINATE IN FLOOR SINK WITH AIR GAP.



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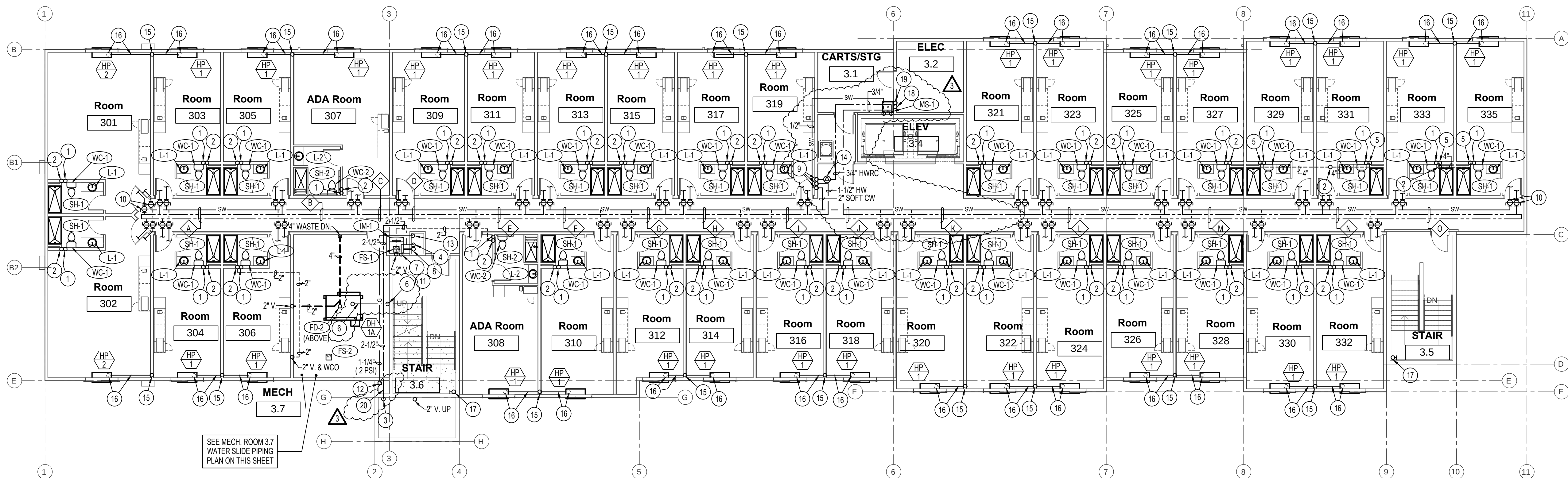
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A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
MAIN LEVEL PLUMBING FLOOR PLAN

DATE: 5/06/2022
REV: 6-16-22

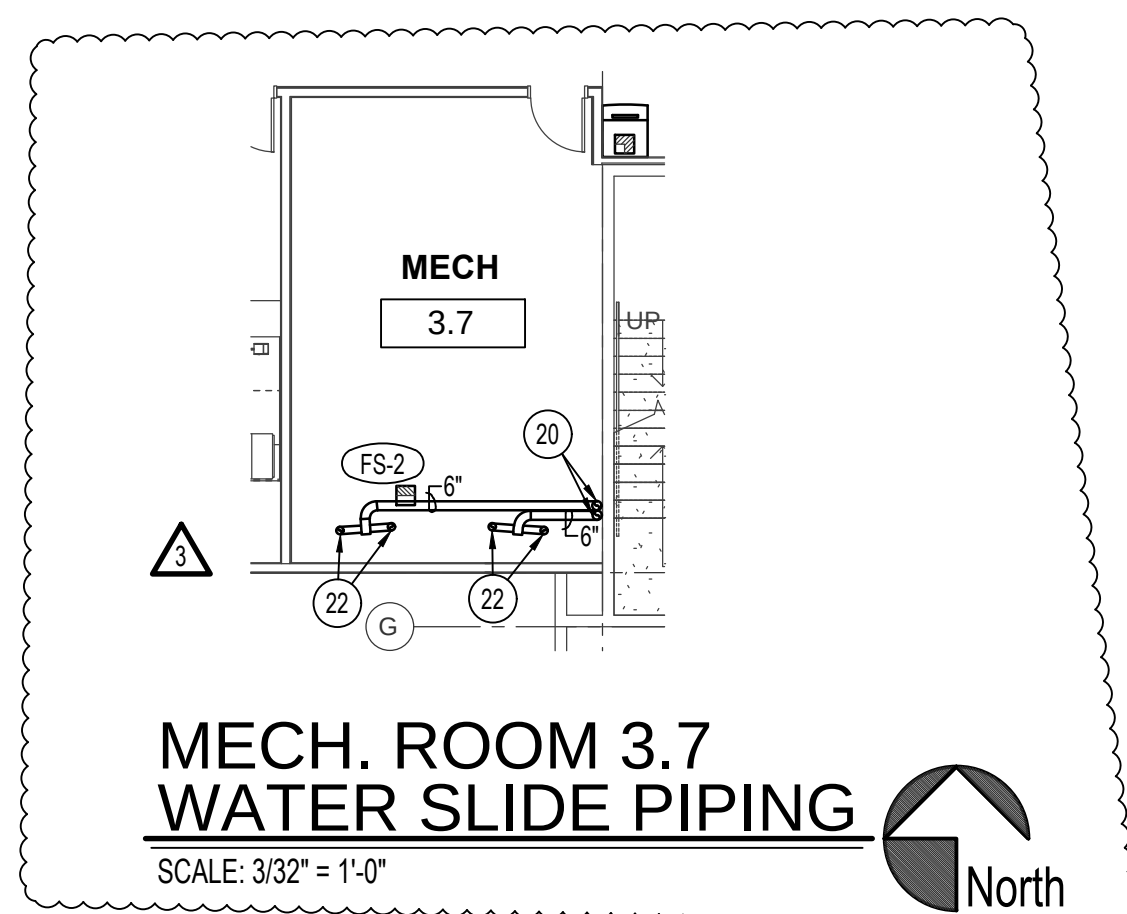
05.06.22

P1-1



3RD LEVEL - PLUMBING FLOOR PLAN

SCALE: 3/32" = 1'-0"

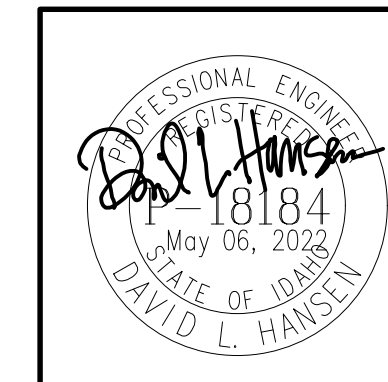


PLAN NOTES:

- 1 4" WASTE STACK UP IN WALL ABOVE TO SERVE LEVELS ABOVE.
- 2 4" VENT STACK UP IN WALL ABOVE TO SERVE LEVELS ABOVE.
- 3 2-1/2" DOMESTIC CW MAIN DOWN EXPOSED ON WALL OF RISER ROOM TO PRV LOCATED ON MAIN LEVEL. SEE SHEET P1-2 FOR CONTINUATION OF PIPING BELOW.
- 4 DROP 2-1/2" DOMESTIC CW MAIN DOWN IN CHASE TO MAIN LEVEL CEILING BELOW. SEE SHEET P1-2 FOR CONTINUATION OF PIPING BELOW.
- 5 4" VENT STACK DOWN IN WALL. SEE SHEET P1-2 FOR CONTINUATION OF PIPING BELOW.
- 6 INSTALL P-TRAP IN 1" CONDENSATE DRAIN LINE FROM DEHUMIDIFICATION UNIT AND RUN TO PUMP ROOM TO SKIMMER PROVIDED BY POOL EQ. CONTRACTOR.
- 7 RISE 1/2" (HARD) CW LINE UP IN WALL TO SERVE ICE MAKER ON LEVEL 4 ABOVE. DROP 1/2" (HARD) CW LINE DOWN IN WALL TO SERVE ICE MAKERS ON LEVEL 3 AND LEVEL 2 BELOW.
- 8 2" WASTE LINE DOWN IN CHASE SERVING ICE MAKERS ON LEVELS 4, 3, AND 2. SEE SHEET P1-2 FOR CONTINUATION OF PIPING BELOW.
- 9 DROP 2-1/2" (SOFT) COLD WATER, 2" HOT WATER, AND 1" HOT WATER RECIRC. PIPING DOWN IN WALL CAVITY. SEE SHEET P1-2 FOR CONTINUATION OF PIPING BELOW.
- 10 TYPICAL BALL TYPE SHUT-OFF VALVE ABOVE LAY-IN CEILING FOR 3/4" HW AND 3/4" SOFT COLD WATER SERVING EACH GUEST ROOM.
- 11 INSTALL BACKFLOW PREVENTOR ON 1/2" CW LINE AND RUN 3/8" LINE TO ICE MAKER COMPLETE WITH SHUT-OFF VALVE. SEE DETAIL ON SHEET PS-1 FOR BACKFLOW PREVENTOR INFORMATION.
- 12 1-1/4" (2 PSI) GAS LINE UP EXPOSED ON WALL FROM BELOW. TEE OFF WITH 1-1/4" (2 PSI) GAS LINE TO CEILING SPACE OF LEVEL 3 AND CONTINUE UP WITH 3/4" (2 PSI) GAS LINE EXPOSED ON WALL OF RISER ROOM TO LEVEL 4 TO SERVE ROOFTOP UNIT RT-1 ABOVE.
- 13 DROP 1-1/4" (2 PSI) GAS LINE DOWN IN CHASE TO SERVE GAS FIRED APPLIANCES ON LEVEL 1 BELOW. SEE SHEET P1-1 FOR CONTINUATION OF PIPING BELOW.
- 14 INSTALL CIRCUIT SETTER ON 3/4" HWRC PIPING SET AT 3 GPM FLOW.
- 15 INSTALL 1" CONDENSATE DRAIN LINE STACK DOWN IN WALL FROM 4TH LEVEL FLOOR TO SERVE ALL LEVELS OF GUEST ROOM HEAT PUMPS. SEE SHEET P1-2 FOR CONTINUATION OF PIPING.
- 16 RUN 3/4" CONDENSATE DRAIN LINE FROM HEAT PUMP IN GUEST ROOM THRU FLOOR INTO JOIST SPACE BELOW AND CONNECT TO 1" VERTICAL CONDENSATE STACK IN WALL.
- 17 WET FIRE SPRINKLER STANDPIPE. SEE FIRE SPRINKLER DWGS.
- 18 2" WASTE STACK SERVING MOP SINKS ON LEVELS 2,3,4.
- 19 2" VENT STACK SERVING MOP SINKS ON LEVELS 2,3,4.
- 20 PROVIDE 6" PVC SLEEVE FOR DOMESTIC CW LINE TO RUN THRU COLD CHASE. LEAVE SLEEVE OPEN ON BOTH ENDS TO PROVIDE HEAT TO SURROUND PIPE.
- 21 PLUMBER TO INSTALL (2) 6" PVC PIPES FROM LEVEL 1 PUMP ROOM TO LEVEL 3 CEILING.
- 22 TEE OFF OF 6" MAIN WITH (2) 4" PVC PIPES RISING UP TO CONNECT TO WATER SLIDE LAUNCH ON LEVEL 4 ABOVE. SEAL PIPING AT CEILING / FLOOR PENETRATION WATER TIGHT.

PIPING SIZES THIS SHEET ONLY

MARK	SOFT CW	HOT	HOT	HWRC
A	1"	1-1/2"	1-1/2"	--
B	1-1/4"	1-1/2"	1-1/2"	--
C	1-1/4"	1-1/2"	1-1/2"	--
D	1-1/4"	1-1/2"	1-1/2"	--
E	1-1/4"	1-1/2"	1-1/2"	--
F	1-1/4"	1-1/2"	1-1/2"	--
G	1-1/2"	1-1/2"	1-1/4"	--
H	1-1/2"	1-1/2"	1-1/4"	--
I	1-1/2"	1-1/2"	1-1/4"	--
J	1-1/2"	3/4"	1-1/4"	--
K	1-1/2"	3/4"	1-1/4"	--
L	1-1/4"	3/4"	1-1/4"	--
M	1-1/4"	1"	1-1/4"	--
N	1"	1"	1-1/4"	--
O	3/4"	1"	1"	--



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A NEW HOTEL:

HOTEL

TWIN FALLS, ID.

3RD LEVEL PLUMBING FLOOR PLAN

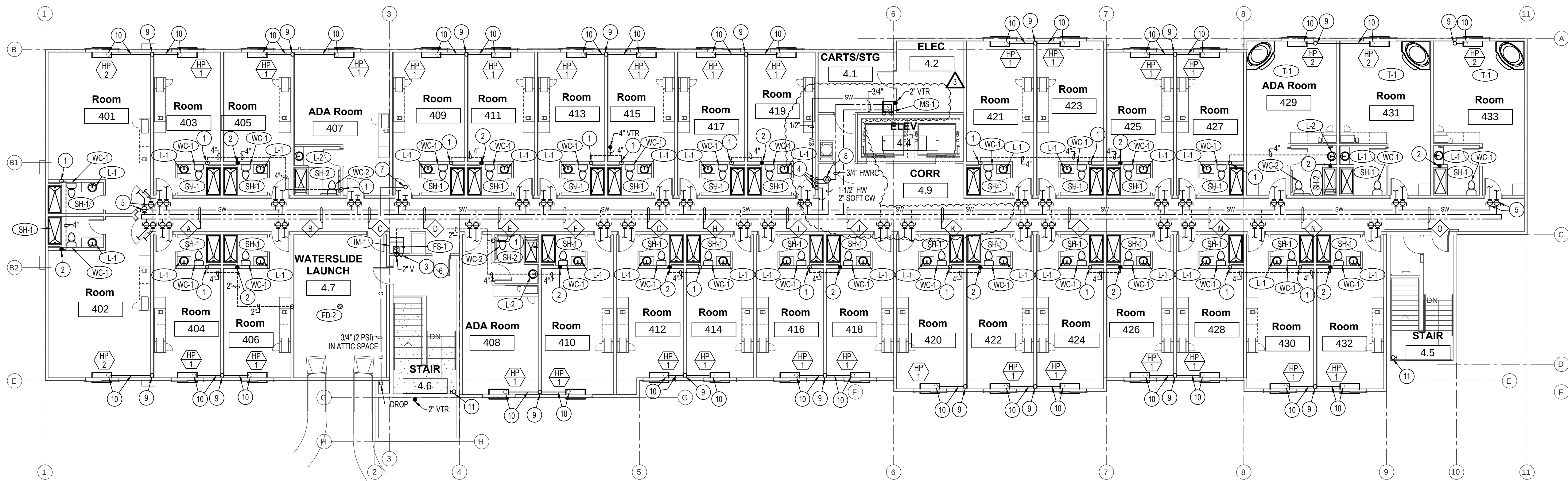
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DATE: 5/06/2022

DRN Drawn DLH Checked

P1-3



4TH LEVEL - PLUMBING FLOOR PLAN

SCALE: 3/32" = 1'-0"



NOTE:
SEE LARGE SCALE TYP. GUEST ROOM
PLUMBING PLANS ON SHEETS P2-0 FOR
PIPING SERVING INDIVIDUAL GUEST
ROOM TYPES.

PLAN NOTES:

- 1 4" VENT STACK UP IN WALL FROM LEVEL 3 BELOW.
- 2 4" VENT STACK UP IN WALL FROM LEVEL 3 BELOW TO 4" VTR.
SEE SHEET P1-5 FOR VTR LOCATIONS ON ROOF ABOVE.
- 3 1/2" (HARD) COLD WATER UP IN WALL FROM BELOW TO SERVE
ICE MAKER ON THIS LEVEL.
- 4 DROP 2" (SOFT) COLD WATER, 1-1/2" HOT WATER, AND 3/4" HOT
WATER RECIRC. PIPING DOWN IN WALL CAVITY. SEE SHEET
P1-3 FOR CONTINUATION OF PIPING BELOW.
- 5 TYPICAL BALL TYPE SHUT-OFF VALVE ABOVE LAY-IN CEILING
FOR 3/4" HW AND 3/4" SOFT COLD WATER SERVING EACH
GUEST ROOM.
- 6 INSTALL BACKFLOW PREVENTOR ON 1/2" CW LINE AND RUN
3/8" LINE TO ICE MAKER COMPLETE WITH SHUT-OFF VALVE.
SEE DETAIL ON SHEET P3-1 FOR BACKFLOW PREVENTOR
INFORMATION.
- 7 RISE 3/4" (2 PSI) GAS LINE UP THRU ROOF TO SERVE ROOFTOP
UNIT RT-1 ABOVE. SEE SHEET P1-5 FOR CONTINUATION OF
PIPING.
- 8 INSTALL CIRCUIT SETTER ON 3/4" HWRC PIPING SET AT 3 GPM
FLOW.
- 9 INSTALL 1" CONDENSATE DRAIN LINE STACK DOWN IN WALL
FROM 4TH LEVEL FLOOR TO SERVE ALL LEVELS OF GUEST
ROOM HEAT PUMPS. SEE SHEET P1-3 FOR CONTINUATION OF
PIPING.
- 10 RUN 3/4" CONDENSATE DRAIN LINE FROM HEAT PUMP IN
GUEST ROOM THRU FLOOR INTO JOIST SPACE BELOW AND
CONNECT TO 1" VERTICAL CONDENSATE STACK IN WALL.
- 11 WET FIRE SPRINKLER STANDPIPE. SEE FIRE SPRINKLER
DWGS.

PIPING SIZES
THIS SHEET ONLY

MARK	SOFT CW	HOT	HOT	HWRC
A	1"	1-1/2"	1-1/2"	--
B	1-1/4"	1-1/2"	1-1/2"	--
C	1-1/4"	1-1/2"	1-1/2"	--
D	1-1/4"	1-1/2"	1-1/2"	--
E	1-1/4"	1-1/2"	1-1/2"	--
F	1-1/4"	1-1/2"	1-1/2"	--
G	1-1/2"	1-1/2"	1-1/4"	--
H	1-1/2"	1-1/2"	1-1/4"	--
I	1-1/2"	1-1/2"	1-1/4"	--
J	1-1/2"	3/4"	1-1/4"	--
K	1-1/2"	3/4"	1-1/4"	--
L	1-1/4"	3/4"	1-1/4"	--
M	1-1/4"	1"	1-1/4"	--
N	1"	1"	1-1/4"	--
O	3/4"	1"	1"	--

A NEW HOTEL:

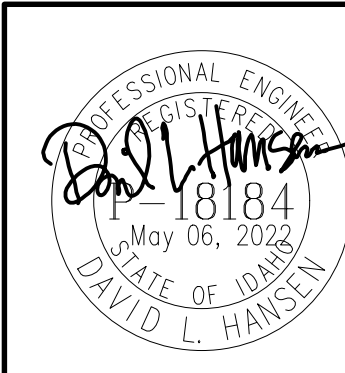
HOTEL

TWIN FALLS, ID.

4TH LEVEL PLUMBING FLOOR PLAN

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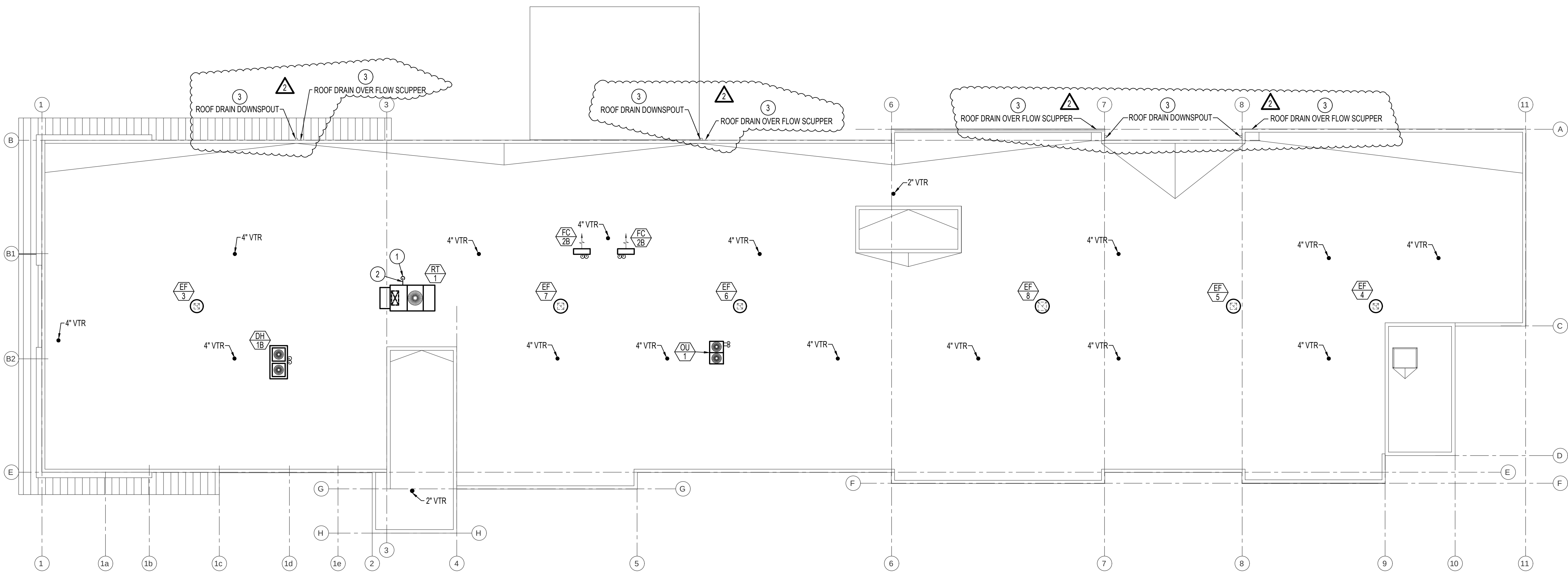


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DATE: 5/06/2022

SHR Drawn DLH Checked

P1-4



ROOF LEVEL - PLUMBING FLOOR PLAN

SCALE: 3/32" = 1'-0"



PLAN NOTES:

- 1 DROP 3/4" (2 PSI) GAS LINE DOWN THRU ROOF TO ATTIC SPACE. SEE SHEET P1-4 FOR CONTINUATION OF GAS PIPING. SEAL ROOF PENETRATION WEATHERTIGHT.
- 2 INSTALL 2 PSI TO OZ. GAS REGULATOR ON 3/4" GAS LINE SERVING ROOFTOP UNIT SIZED FOR ACTUAL BTU LOAD OF UNIT SUPPLIED. CONNECT 3/4" (OZ) GAS LINE TO ROOFTOP UNIT COMPLETE WITH SHUT-OFF VALVE, DIRT LEG AND FLEXIBLE CONNECTION. SEE DETAIL ON SHEET P3-0.
- 3 REFER TO ARCH. DWGS. FOR ROOF DRAIN GUTTERS, DOWNSPOUTS AND OVERFLOW SCUPPER DESIGN AND LOCATIONS.



A NEW HOTEL:

HOTEL

TWIN FALLS, ID.

ROOF LEVEL PLUMBING FLOOR PLAN

Laughlin Ricks Architecture

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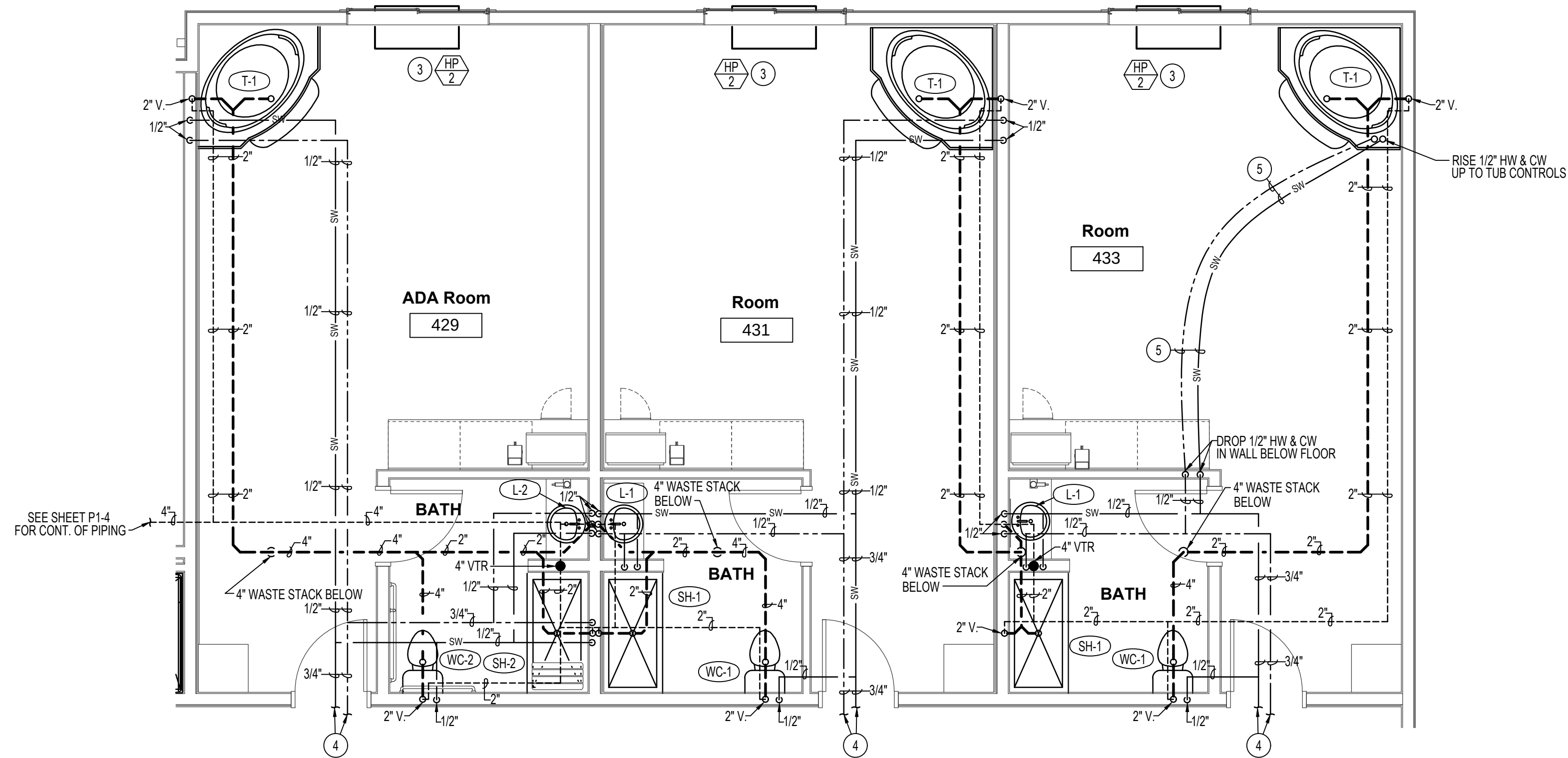
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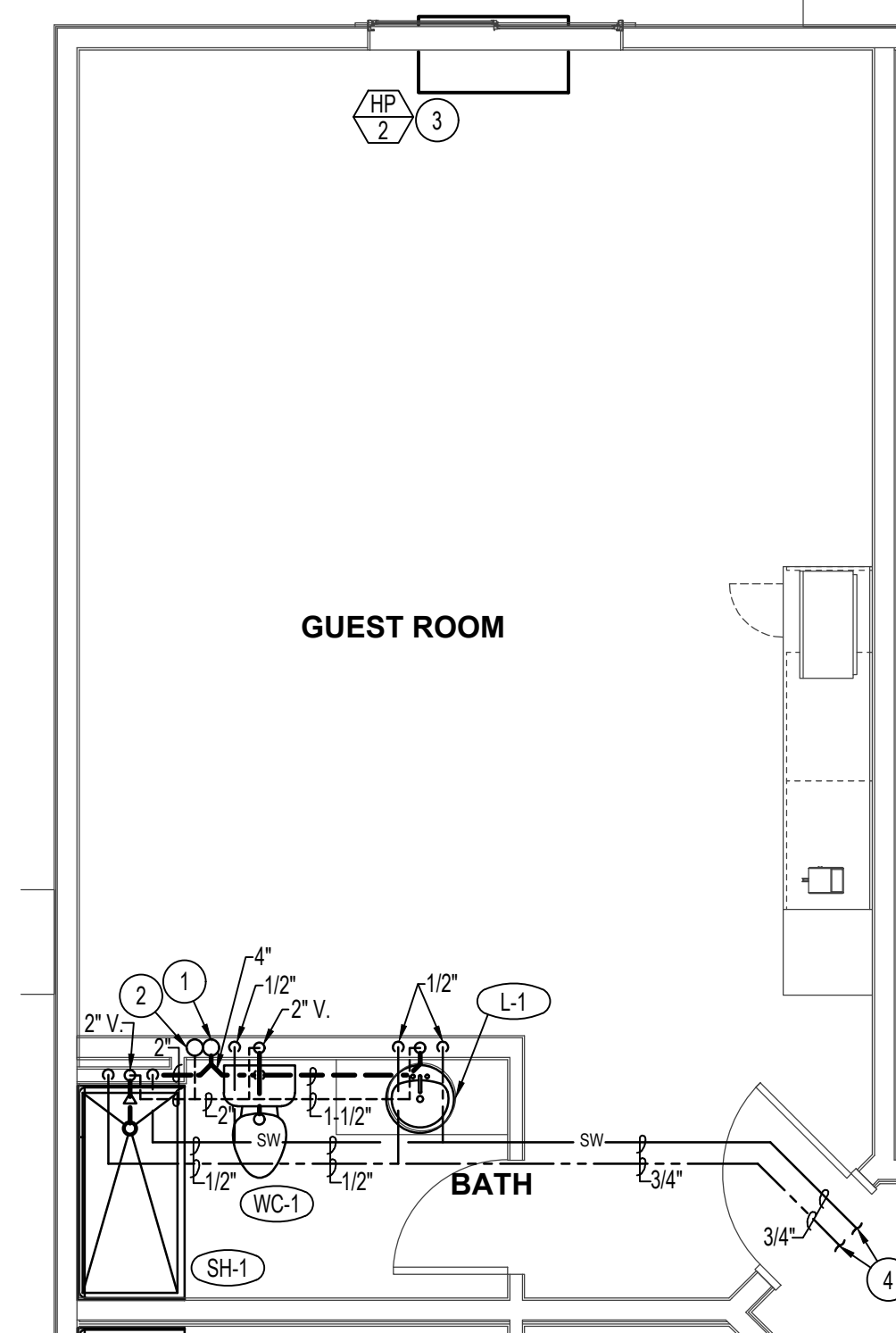
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P1-5



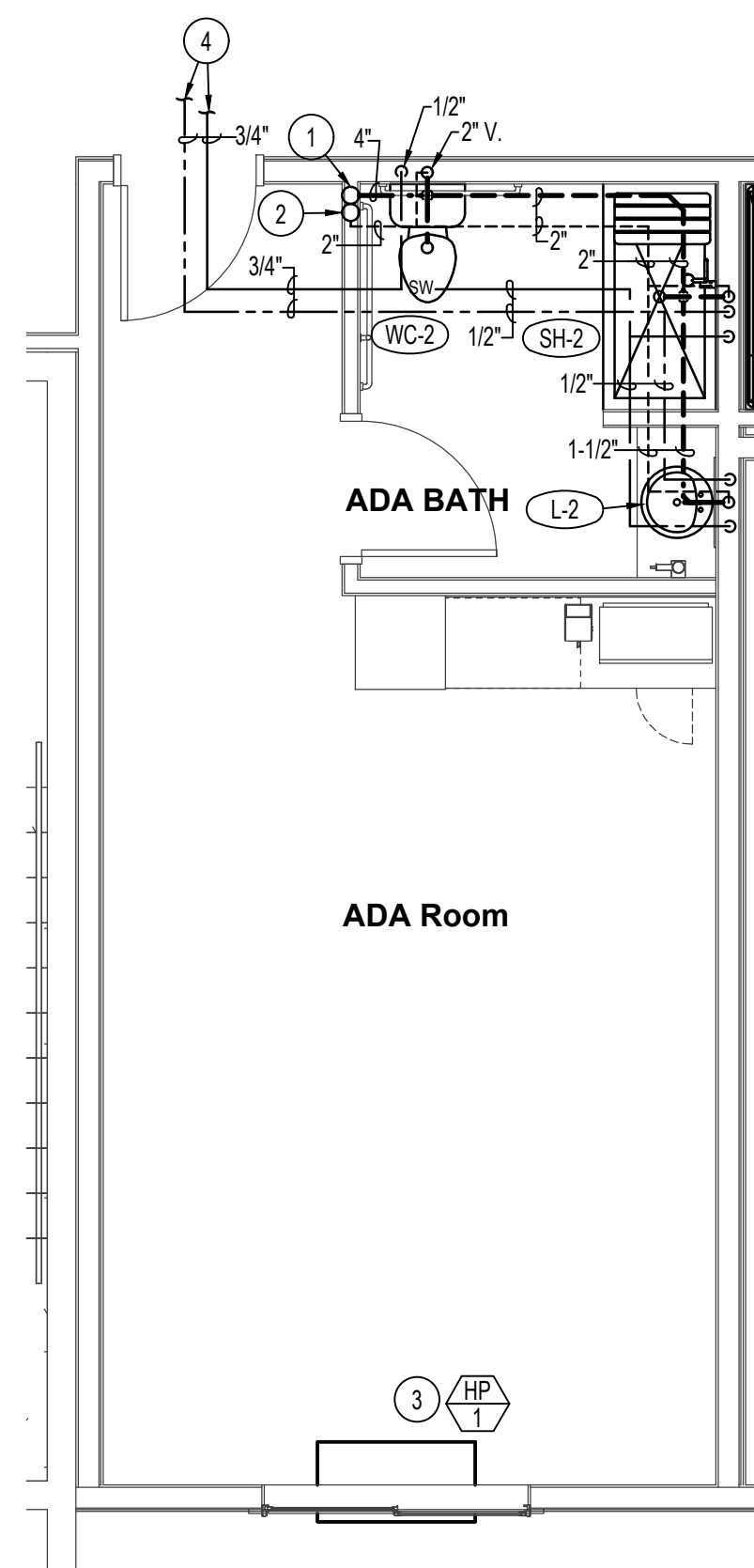
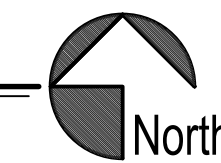
LEVEL 4 GUEST ROOMS 429, 431, 433
LARGE SCALE PLUMBING FLOOR PLANS

SCALE: 1/4" = 1'-0"



LARGE SCALE PLUMBING FLOOR PLAN
TYP. OF ROOMS 301, 302, 401, 402

SCALE: 1/4" = 1'-0"

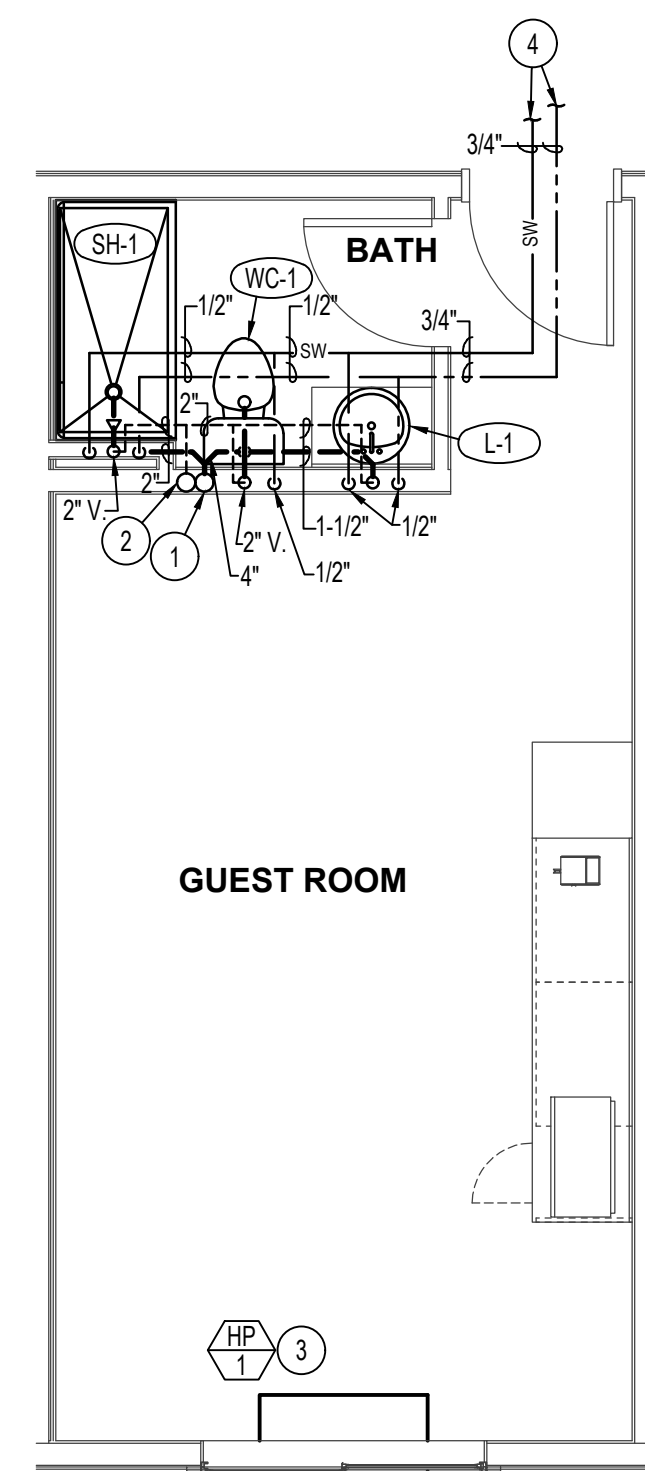


LARGE SCALE PLUMBING FLOOR PLAN
TYP. OF ADA ROOMS 202, 307, 308, 407, 408

SCALE: 1/4" = 1'-0"

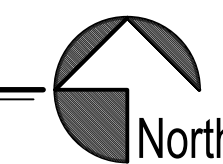


NOTE:
PLUMBING CONTRACTOR TO INSTALL
P-TRAP FOR ALL GUEST ROOM LAVATORIES
IN WALL IN ACCESS PANEL. P-TRAP TO BE
INSTALLED PARALLEL WITH WALL TO BE
FULLY CONCEALED.



TYPICAL GUEST ROOM
LARGE SCALE PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"



PLAN NOTES:

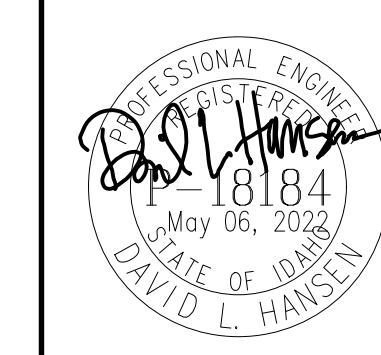
- 1 4" WASTE STACK SERVING ALL LEVELS.
- 2 4" VENT STACK SERVING ALL LEVELS.
- 3 SEE SHEETS P1-1 THRU P1-4 FOR CONDENSATE DRAIN PIPING SERVING GUEST ROOM HEAT PUMPS.
- 4 SEE PLUMBING FLOOR PLANS ON SHEETS P1-1 THRU P1-4 FOR CONTINUATION OF 3/4" HOT AND COLD WATER PIPING AND SHUT-OFF VALVES SERVING EACH GUEST ROOM.
- 5 RUN 1/2" HW AND 1/2" COLD SOFT WATER BELOW FLOOR OF 4TH LEVEL TO SERVE TUB ON EXTERIOR WALL. DO NOT RUN WATER PIPING IN EXTERIOR WALL.

05.06.22

DATE

A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
LARGE SCALE PLUMBING PLANS

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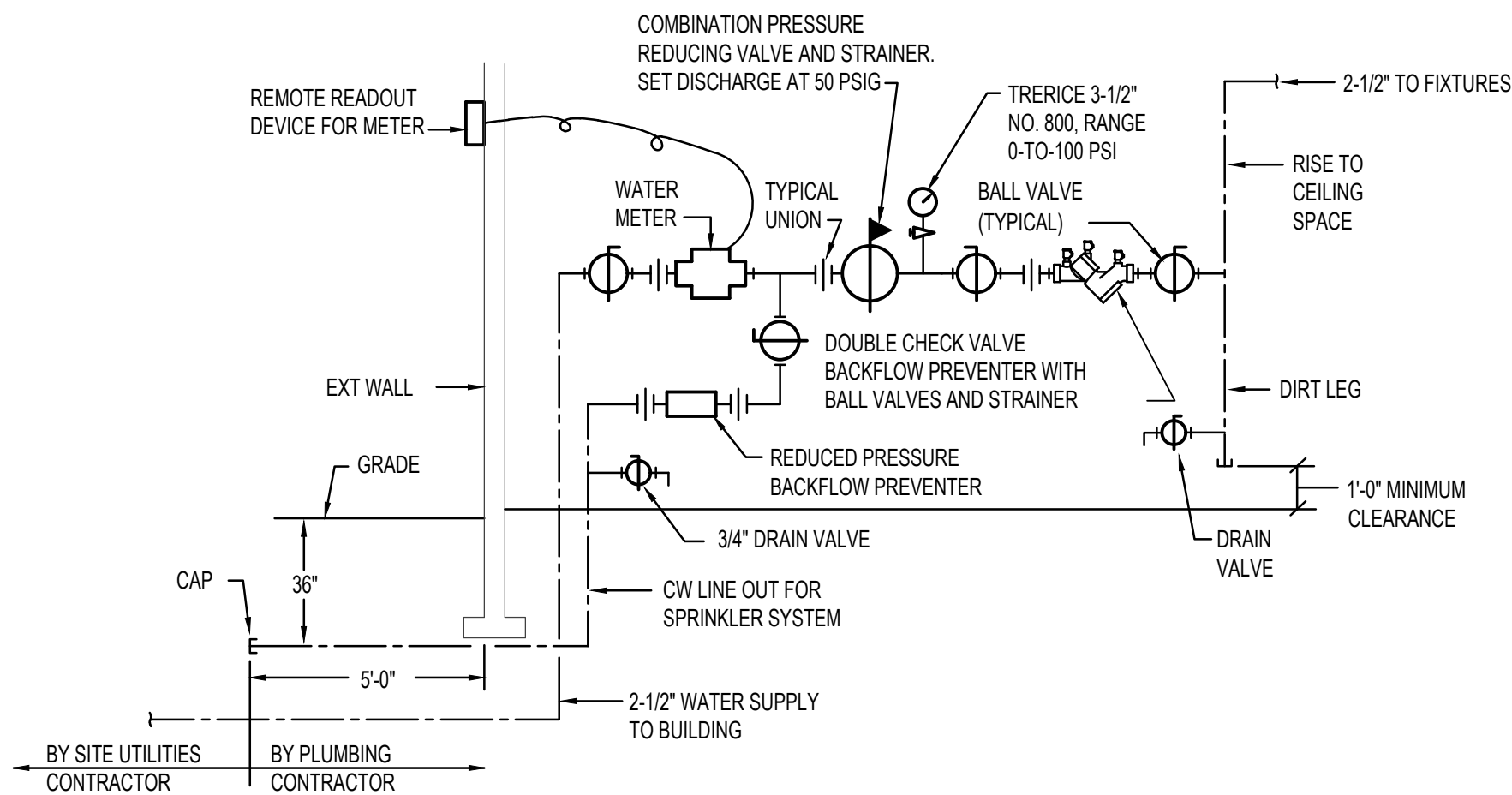


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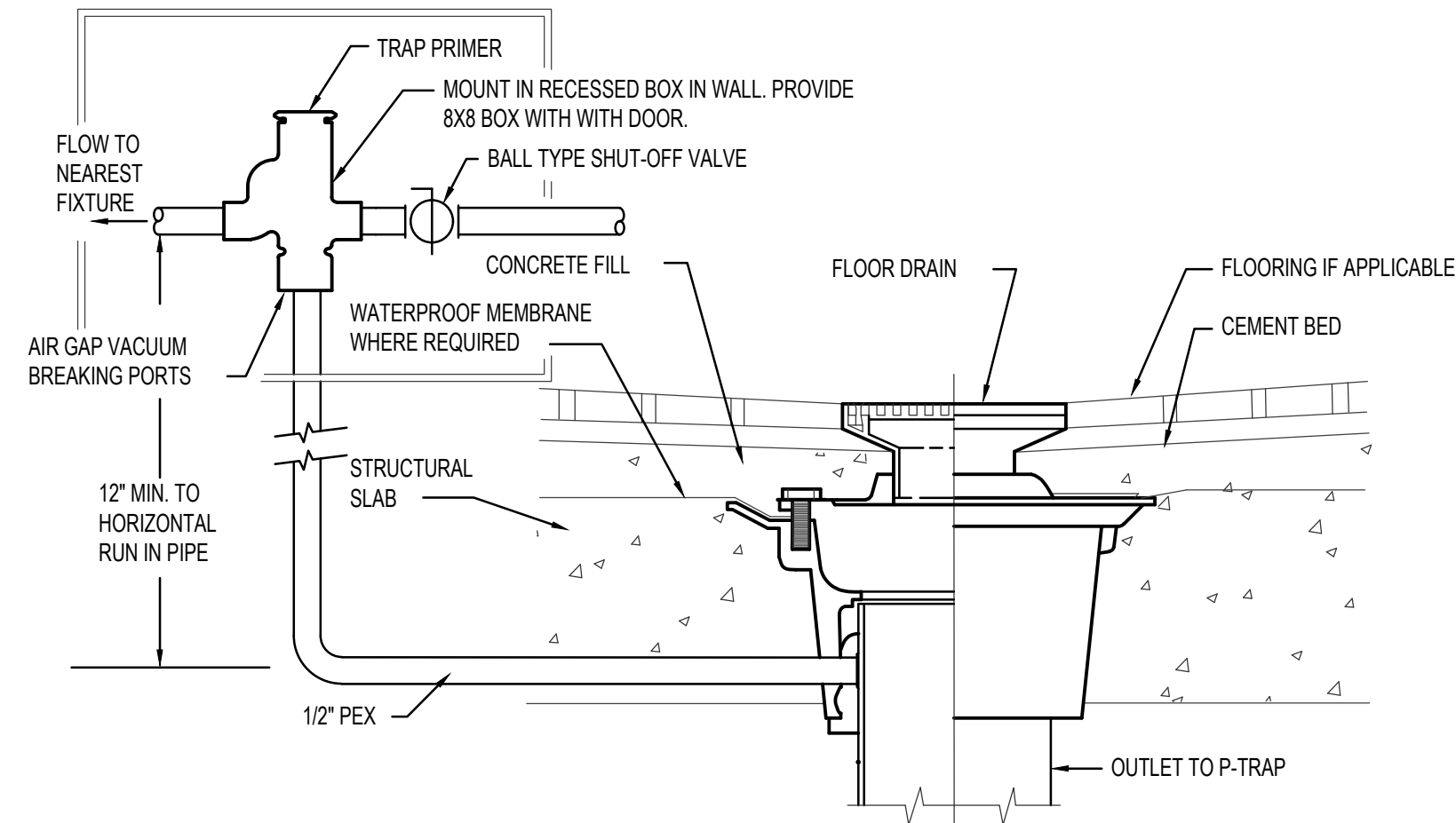
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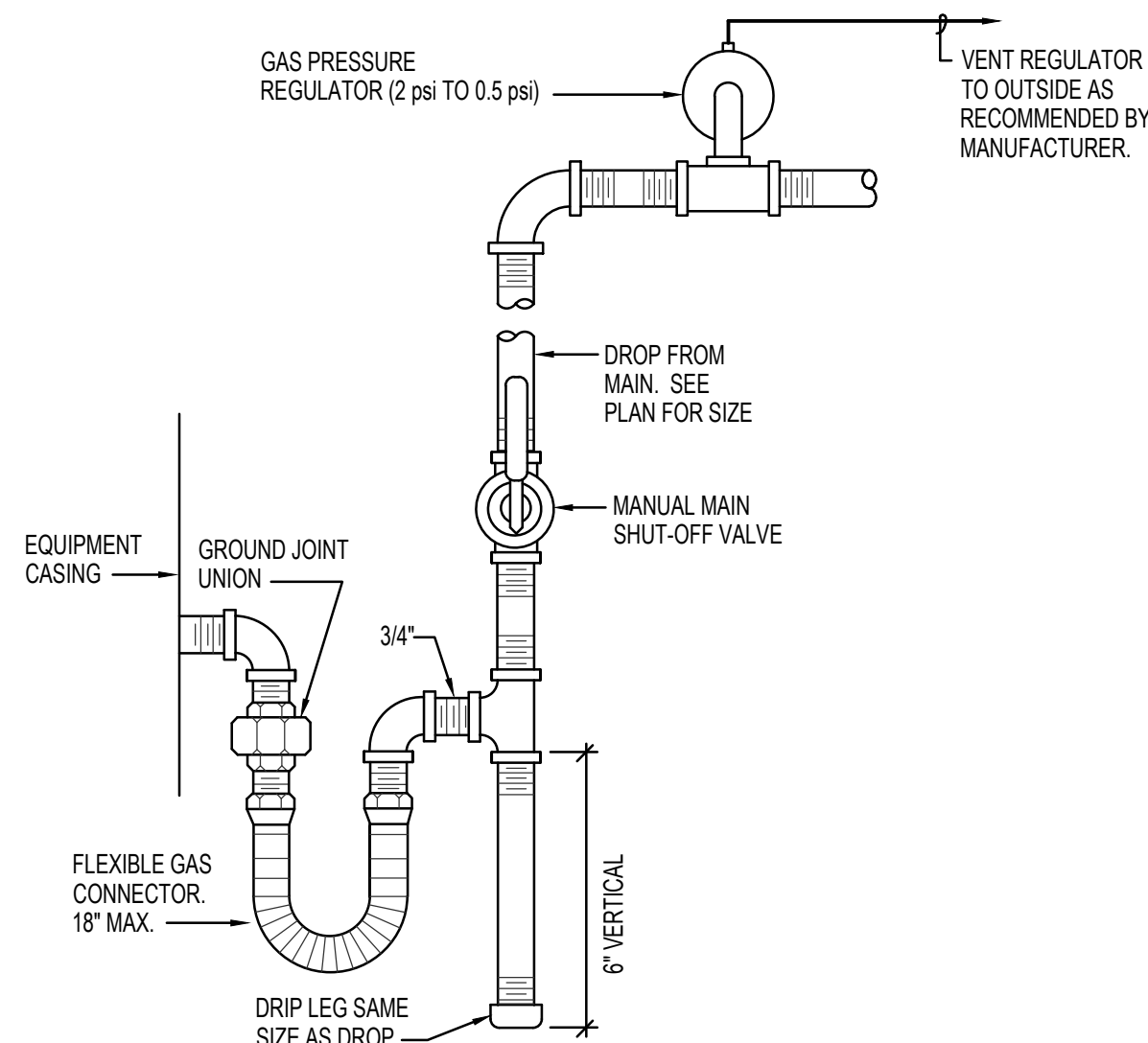
P2-0



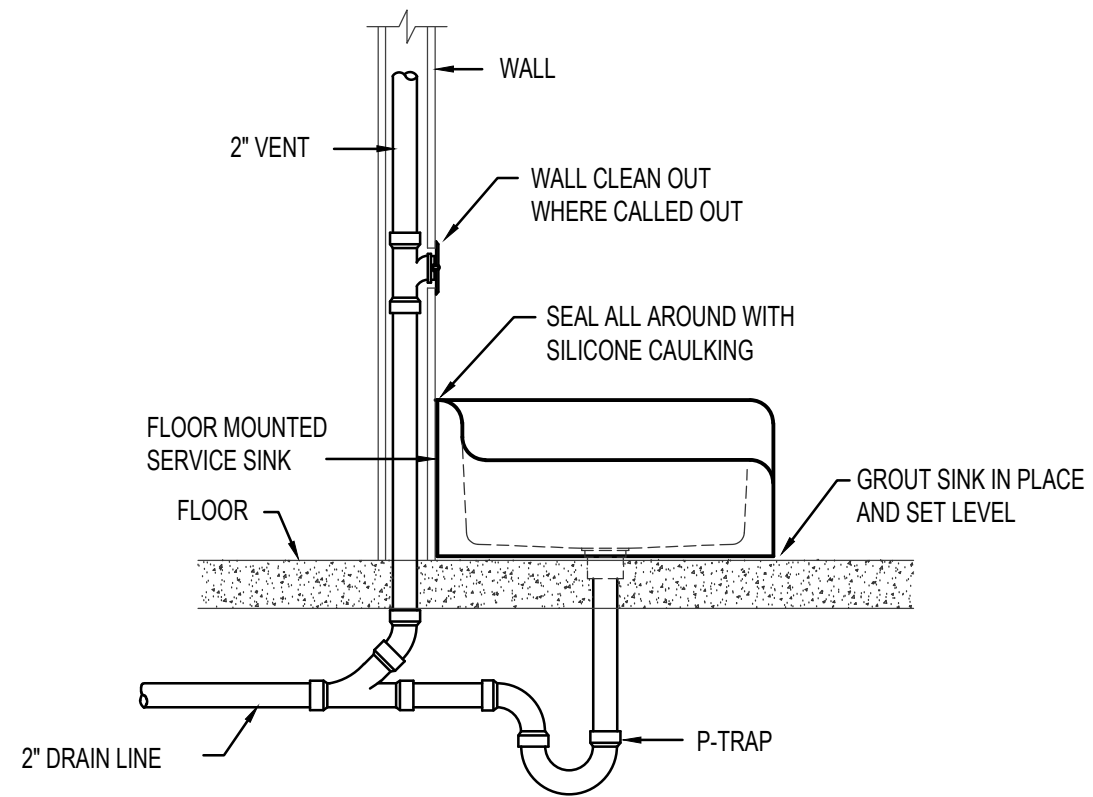
WATER PRESSURE REDUCING STATION DETAIL
NO SCALE



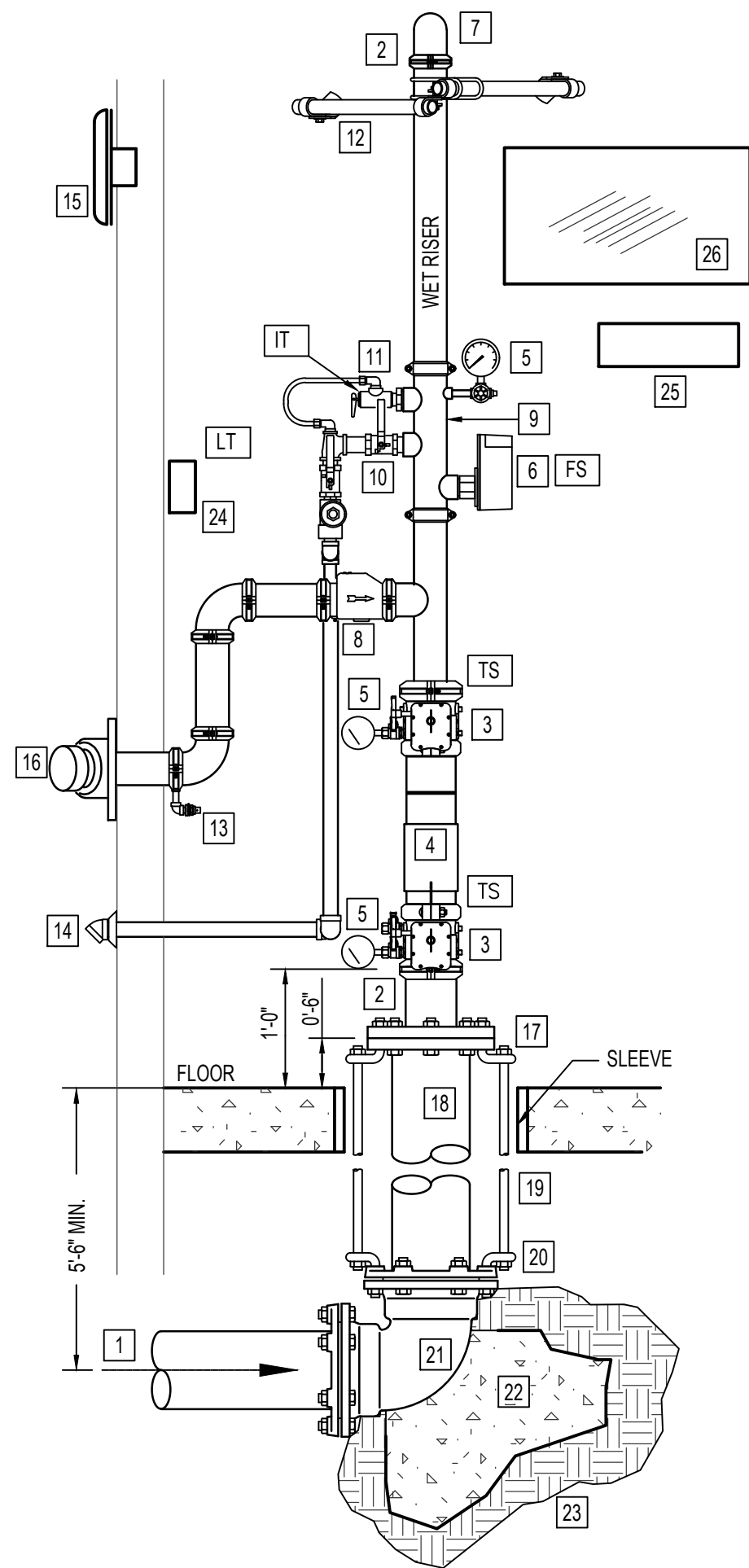
TRAP PRIMER DETAIL
NO SCALE



GAS LINE CONNECTION DETAIL
NO SCALE



SERVICE SINK INSTALLATION DETAIL
NO SCALE

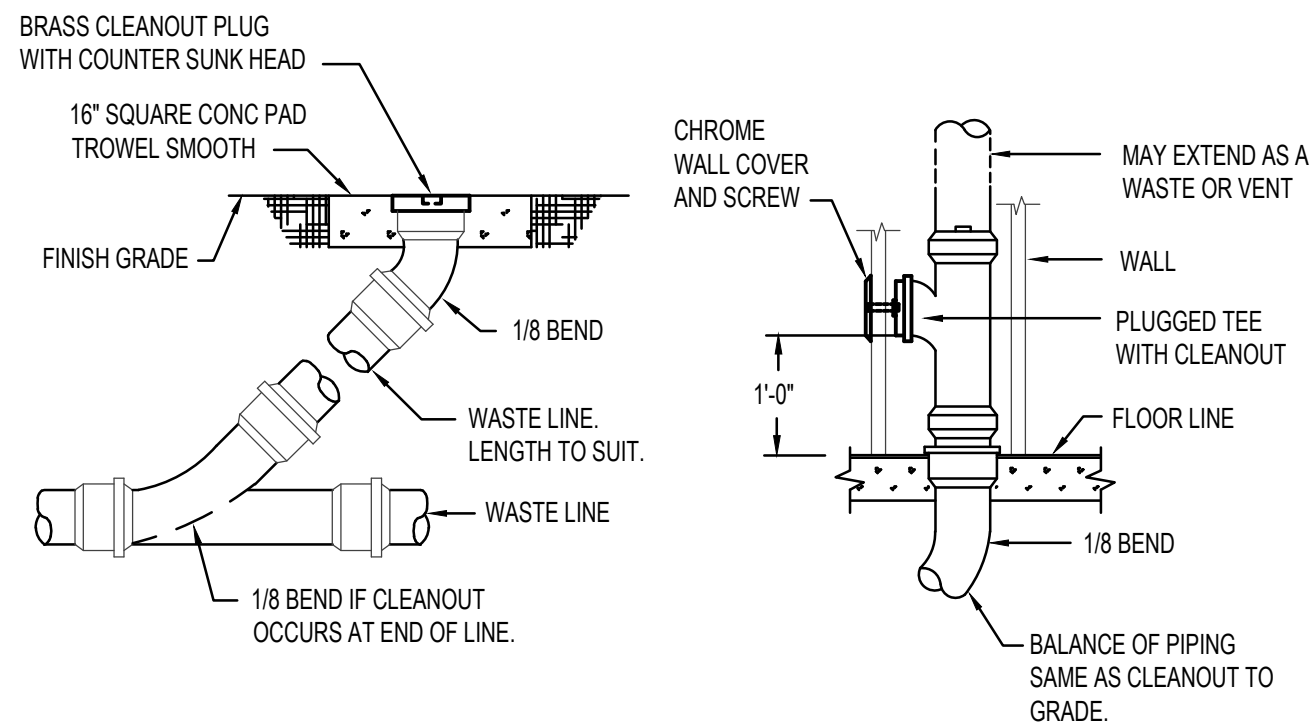


NOTE:
PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

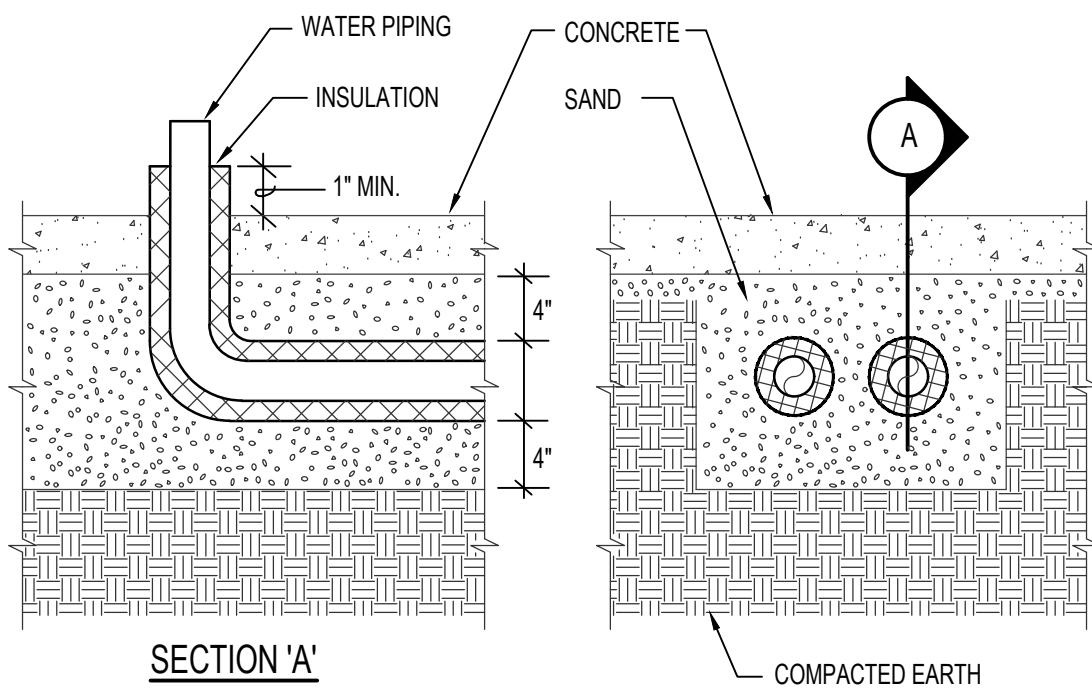
VERTICAL FIRE RISER DETAIL
NO SCALE

WET RISER DETAIL NOTES

- 1 4" WATER SUPPLY FROM CITY WATER MAIN. USE CLASS 53 DUCTILE IRON WHEN CROSSING UNDER BLDG FOUNDATION.
- 2 USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
- 3 GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH.
- 4 DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES.
- 5 3-1/2" DIAMETER WATER GAUGE WITH 1/2" TEST AND ISOLATION VALVE.
- 6 VANE TYPE WATER FLOW SWITCH.
- 7 SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM.
- 8 SWING CHECK VALVE.
- 9 RISER MANIFOLD - INCLUDES PRESURE GAUGE, FLOW SWITCH, PRESSURE RELIEF VALVE, AND TEST AND MAIN DRAIN DEVICE.
- 10 INSPECTOR'S TEST & MAIN DRAIN DEVICE [IT] - PIPE TO OUTSIDE.
- 11 PRESSURE RELIEF VALVE SHALL BE REQUIRED SET AT 175 PSI. - PIPED TO DISCHARGE OUTSIDE.
- 12 SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F.
- 13 1/2" AUTOMATIC BALL DRIP VALVE.
- 14 PIPE TO DRAIN OUTSIDE.
- 15 WEATHERPROOF ELECTRIC BELL OR HORN AND STROBE (OUTSIDE).
- 16 OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING. PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED. NOTE: PIPE FDC TO REMOTE LOCATION WHEN REQUIRED BY FIRE MARSHAL.
- 17 GALVANIZED FLANGE AND SPOOL PIECE
- 18 CLASS 53 D.I. FLANGED SPIGOT
- 19 3/4" A.T.R.
- 20 3/4" BENT EYE BOLT
- 21 MECHANICAL JOINT 90° ELL
- 22 CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
- 23 UNDISTURBED EARTH
- 24 LOW TEMPERATURE SENSOR - MOUNTED ON WALL - THIS SWITCH IS PROVIDED UNDER DIVISION 28 OF THE SPECIFICATIONS.
- 25 SPARE HEAD CABINET WITH SPARE SPRINKLER HEADS AND WRENCHES.
- 26 LAMINATED SYSTEM MAP WITH SYSTEM START-UP AND SHUT-DOWN INSTRUCTIONS.



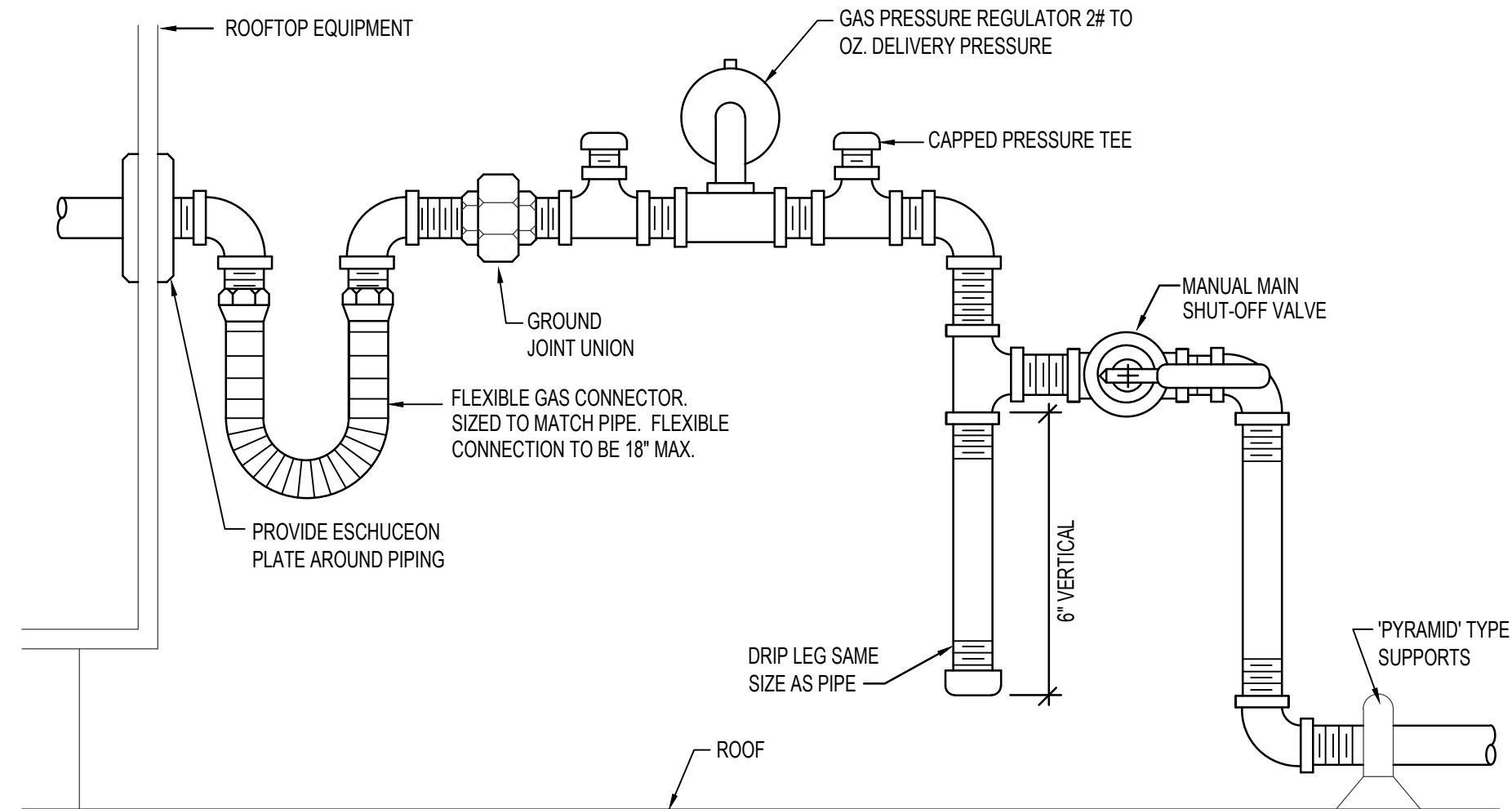
CLEAN OUT DETAILS
NO SCALE



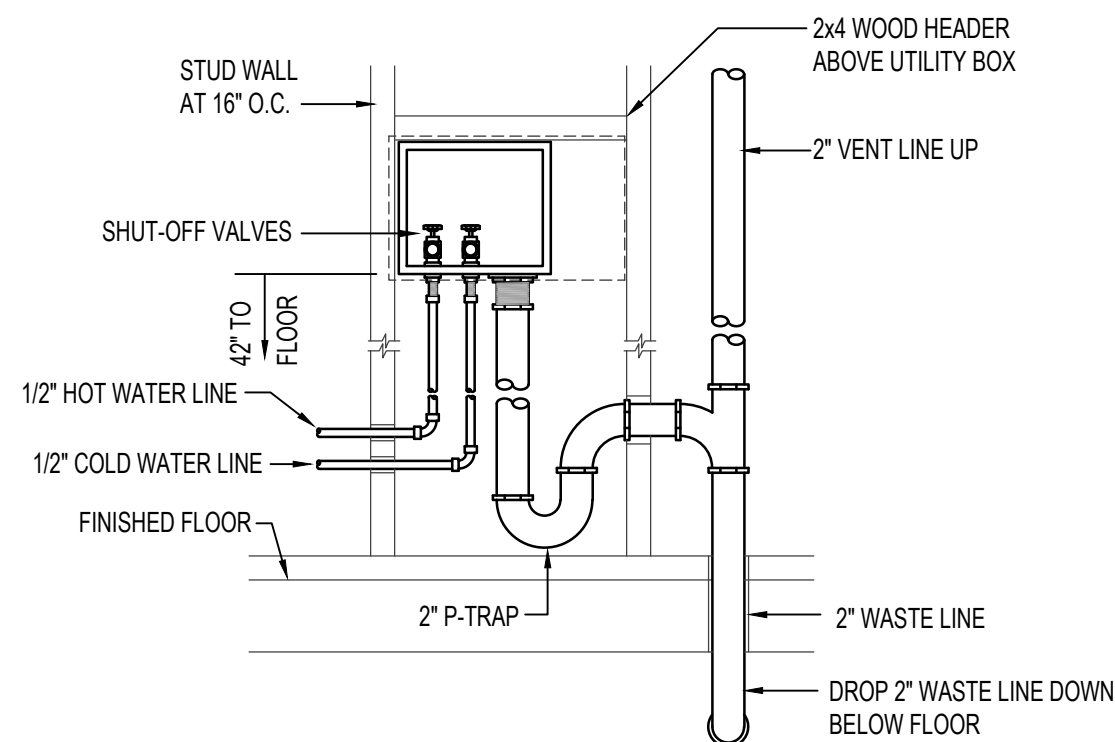
NOTES:

- 1 - ALL WATER PIPING INSTALLED UNDERFLOOR SHALL BE TYPE "K" COPPER OR PEX
- 2 - WATER PIPE INSULATION ON UNDERFLOOR PIPING SHALL BE ARMAFLEX 3/4" THICK RUBBER PIPE INSULATION. TAPE INSULATION AT ALL SEAMS.
- 3 - MINIMUM PIPE SIZE UNDERFLOOR SHALL BE 3/4"
- 4 - SAND FILL AROUND PIPING SHALL BE A MINIMUM OF 4" THICK. MATERIAL SHALL BE HAND TAMPED, RODDED OR LIGHTLY COMPACTED DURING INSTALLATION. CARE SHOULD BE TAKEN NOT TO DEFORM OR OTHERWISE DAMAGE PIPING OR INSULATION.

UNDER SLAB PIPE INSTALLATION DETAIL
NO SCALE



ROOF TOP GAS PRESSURE REGULATOR DETAIL
NO SCALE



WASHER BOX PIPING DETAIL
NO SCALE

PROFESSIONAL ENGINEER
REGISTERED
18184
May 08, 2022
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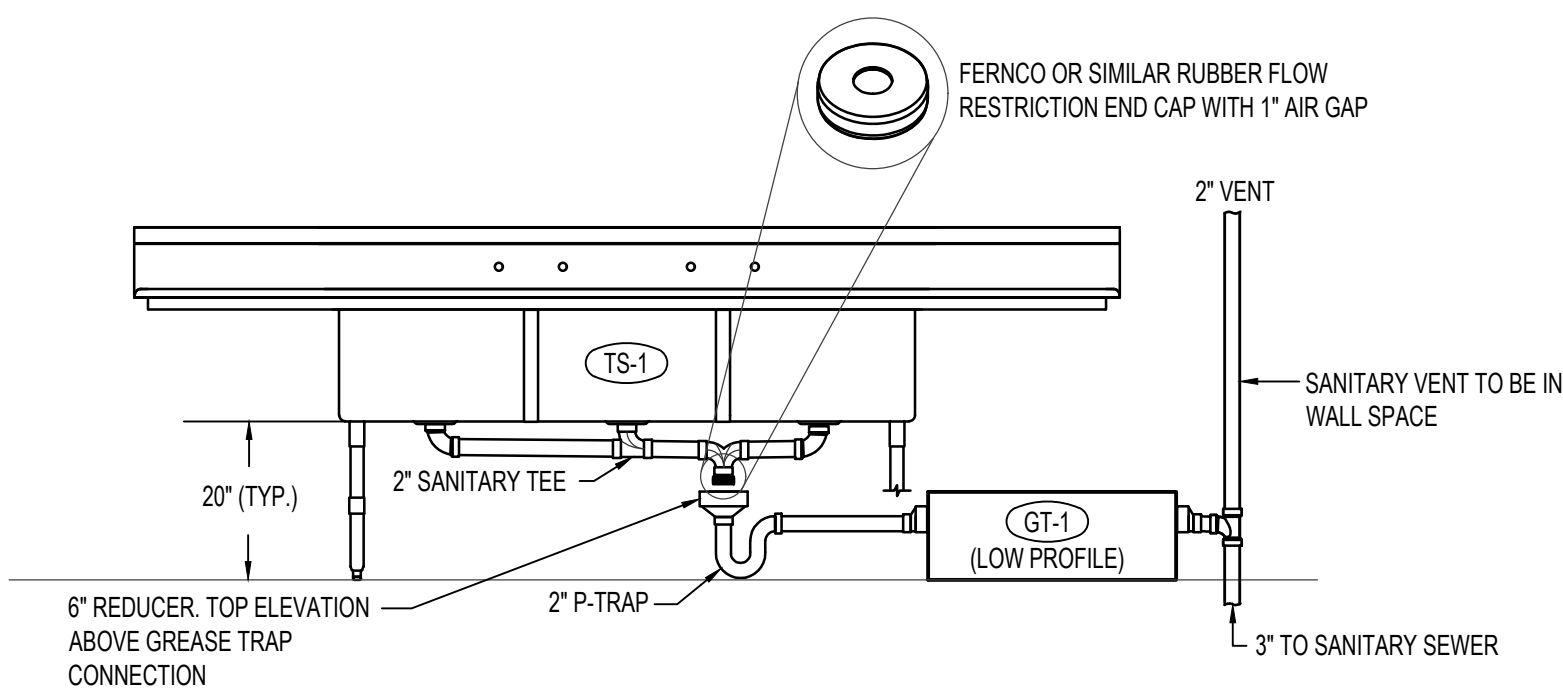
A NEW HOTEL:
HOTEL
TWIN FALLS, ID.
PLUMBING DETAILS

Laughlin Ricks Architecture
—architecture/planning—
134 3RD AVE. E. * Twin Falls, Idaho 83301
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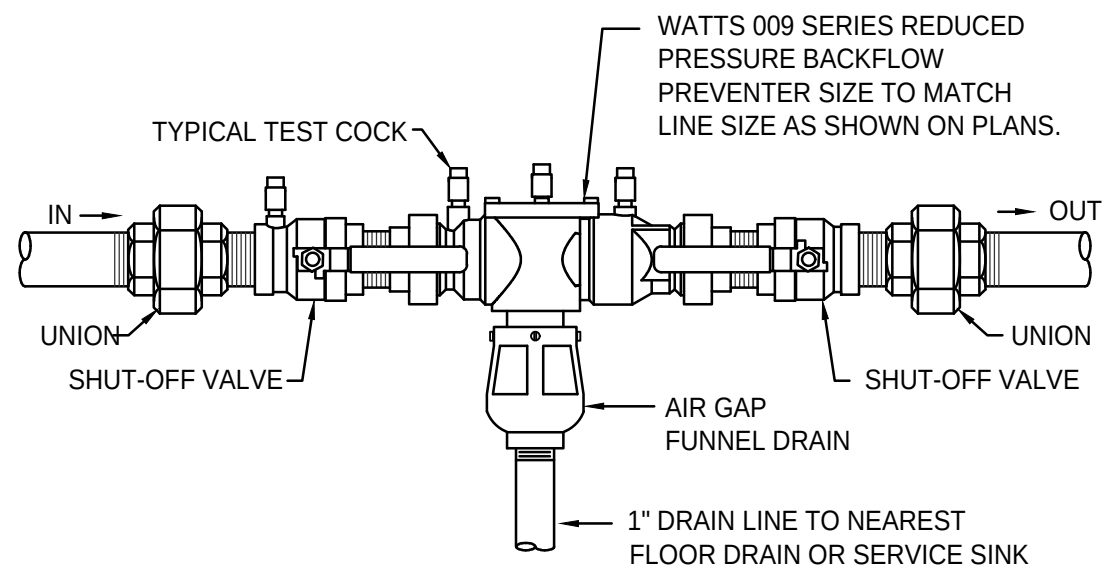
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P3-0



INDIRECT GREASE TRAP DETAIL
NO SCALE

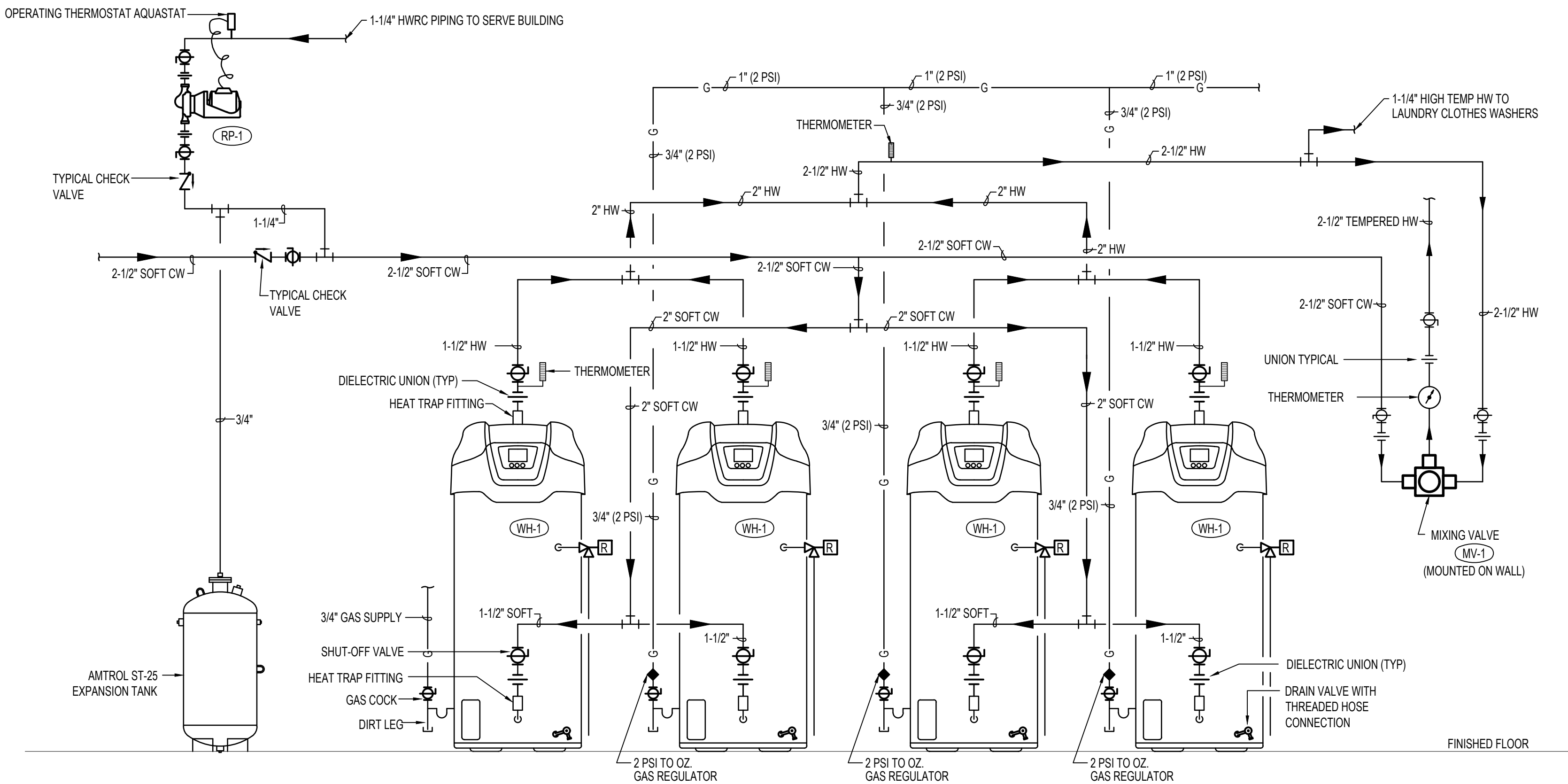


**ICE MAKER CW SUPPLY LINE
BACKFLOW PREVENTER DETAIL**
NO SCALE

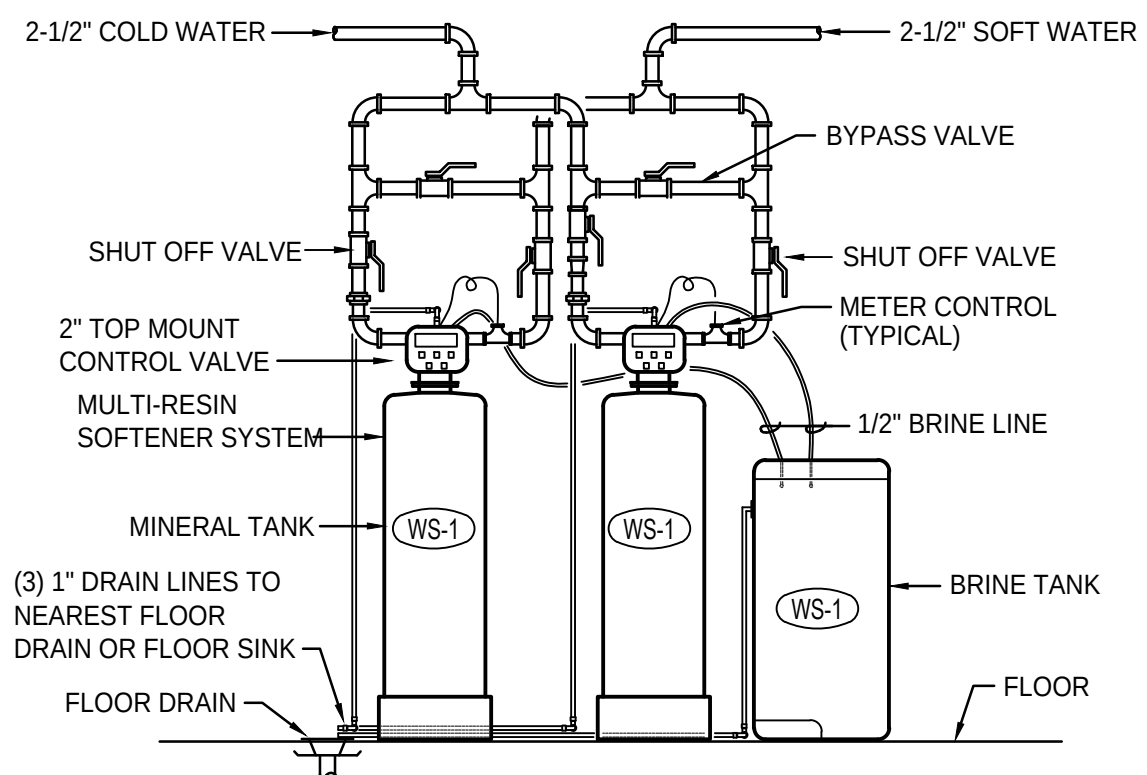
FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
(DW-1)	GLASS WARE DISHWASHER K.E.C. #5 - UNDERCOUNTER DISHWASHER TO BE FURNISHED BY K.E.C. & INSTALLED BY PLUMBER. INSTALL 1/2" HW LINE COMPLETE WITH 1/2" BALL TYPE SHUT-OFF VALVE & S.S. BRAIDED FLEXIBLE CONNECTION. INSTALL 1" DRAIN FROM DISHWASHER TO FLOOR SINK WITH AIRGAP.	1/2"	---	1" TO (FS-1)	---
(FD-1)	2" FLOOR DRAIN WITH PRIMER - ZURN Z-415B WITH 5/8" NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP WITH ZURN 1022 TRAP PRIMER.	---	1/2"	2"	2"
(FD-2)	4" FLOOR DRAIN- ZURN Z-415B WITH 8/8" NICKEL-BRONZE STRAINER AND 4" DEEP SEAL P-TRAP.	---	---	4"	2"
(FS-1)	FLOOR SINK - ZURN Z-1900-KC WITH WHITE ENAMEL FINISH, DOME STRAINER AND 2" DEEP SEAL P-TRAP. PROVIDE 3/4" GRATE OVER SINK.	---	---	2"	2"
(FS-2)	FLOOR SINK - ZURN Z-1900-KC WITH WHITE ENAMEL FINISH, DOME STRAINER AND 4" DEEP SEAL P-TRAP. PROVIDE HALF GRATE OVER SINK.	---	---	4"	2"
(GT-1)	LOW PROFILE GREASE TRAP - IPEX ENDURA (SIZE 25) 50#, 25 GPM FLOW GREASE TRAP. PROVIDE TRAP WITH FLOW CONTROL FITTING. INTERCEPTOR LID TO BE ACCESSIBLE FOR GREASE REMOVAL.	---	---	3"	2"
(HW-1)	HAND WASH SINK K.E.C. #7 - TO BE FURNISHED BY K.E.C. AND INSTALLED BY PLUMBING CONTRACTOR. SINK TO BE COMPLETE WITH 1-1/2" P-TRAP, S.S. BRAIDED SUPPLIES & BALL STOPS.	1/2"	1/2"	1-1/2"	1-1/2"
(IM-1)	ICE MAKER - MANITOWOC IT0450 ICE CUBE MAKER. INSTALL 1/2" CW LINE COMPLETE WITH BACKFLOW PREVENTOR AND 1/2" BALL TYPE SHUT-OFF VALVE & S.S. BRAIDED FLEXIBLE CONNECTION. RUN 3/4" DRAIN TO FLOOR SINK WITH AIRGAP.	---	1/2"	3/4" TO (FS-1)	---
(JS-1)	FLOOR MOUNTED SERVICE SINK - MUSTEE MODEL 65M (26"x24"x10") MOP SINK WITH 63.600A FAUCET AND 2" DEEP SEAL P-TRAP AND STRAINER	1/2"	1/2"	2"	2"
(L-1) (A)	COUNTERTOP LAVATORY - KOHLER MODEL K-2905-4 SELF-RIMMING "FARMINGTON" WITH MOEN L4601 LEVER FAUCET, K-7715 OPEN GRID STRAINER, 1/2" BALL STOPS AND 1-1/4" P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
(L-2) (A)	ADA COUNTERTOP LAVATORY - KOHLER MODEL K-2905-4 SELF-RIMMING "FARMINGTON" WITH MOEN L4601 LEVER FAUCET, K-7715 OPEN GRID STRAINER, 1/2" BALL STOPS AND 1-1/4" P-TRAP. PROVIDE INSULATING JACKET ON HW PIPING AND P-TRAP.	1/2"	1/2"	1-1/2"	1-1/2"
(L-3)	ADA WALL MOUNTED LAVATORY - KOHLER 2023 "GREENWICH" (SIZE 20"x18") WITH K-7715 OPEN GRID STRAINER, MOEN L4601 FAUCET. 1/2" STOPS AND 1-1/2" P-TRAP. PROVIDE CONCEALED ARM CARRIER SYSTEM AND INSULATING JACKET ON HW AND DRAIN PIPE.	1/2"	1/2"	1-1/2"	1-1/2"
(MS-1)	FLOOR MOUNTED MOP SINK - MUSTEE MODEL 63M (24"x24"x10") MOP SINK WITH 63.401 BUMPER GUARDS, 63.600A FAUCET AND 65.700 HOSE AND 2" DEEP SEAL P-TRAP AND STRAINER	1/2"	1/2"	2"	2"
(MV-1)	MIXING VALVE ASSEMBLY - WATTS LFM170 HOT WATER MASTER MIXING VALVE IN 2" SIZE. REDUCE PIPING FROM 2-1/2" TO 2" AT VALVE. SEE WATER HEATER PIPING DETAIL ON THIS SHEET.	2"	2"	---	---

(A) PLUMBING CONTRACTOR TO INSTALL P-TRAP FOR ALL GUEST ROOM LAVATORIES IN WALL IN ACCESS PANEL. P-TRAP TO BE INSTALLED PARALLEL WITH WALL TO BE FULLY CONCEALED.

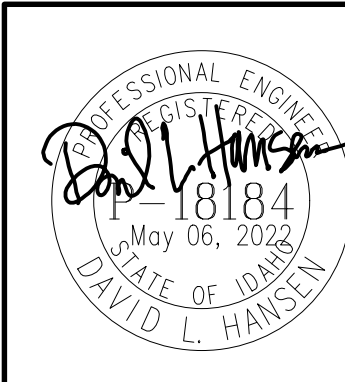
FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
(PD-1)	POOL AREA SLOT DRAIN- TO BE FURNISHED AND INSTALLED BY POOL CONTRACTOR. PLUMBING CONTRACTOR TO CONNECT 3" WASTE LINE COMPLETE WITH P-TRAP AND 2" VENT LINE TO SANITARY SYSTEM.	---	---	3"	2"
(PS-1)	SINGLE COMPARTMENT PREP-SINK K.E.C. #10 - TO BE FURNISHED BY K.E.C. AND INSTALLED BY PLUMBING CONTRACTOR. SINK TO BE COMPLETE WITH 2" P-TRAP, S.S. BRAIDED SUPPLIES & BALL STOPS.	1/2"	1/2"	2"	2"
(RP-1)	RECIRC PUMP - B&G SERIES PR WITH 1-1/4" FLANGES AND 115 VOLT MOTOR 2.1 FLA AT 1725 RPM. 12 GPM FLOW AT 10' HEAD.	1-1/4" HWRC	---	---	---
(SH-1)	GUEST ROOM SHOWER - AQUATIC MODEL 160304PST 60" x 30" SHOWER, ZURN MODEL 415-B 2" SHOWER DRAIN AND STRAINER, KOHLER K-199/61-4-CP HONESTY RITE TEMP SHOWER VALVE AND TRIM PLATE, MOEN MODEL 3638EP SHOWER HEAD WITH ARM AND FLANGE. COLOR OF SHOWER AND TRIM TO BE SELECTED BY THE ARCHITECT.	1/2"	1/2"	2"	2"
(SH-2)	ADA GUEST ROOM ROLL-IN SHOWER - AQUATIC MODEL 160304PST 60" x 30" ADA SHOWER WITH ZURN Z-415B SHOWER DRAIN & 2" P-TRAP, KOHLER MODEL K-99898-CP AWAKEN G110 HAND SHOWER WITH 36" SLIDEBAR AND 60" S.S. HOSE. COLOR OF SHOWER AND TRIM TO BE SELECTED BY THE ARCHITECT.	1/2"	1/2"	2"	2"
(SP-1)	SUMP PUMP - LIBERTY MODEL 240 SUMP PUMP WITH 1/4 H.P. MOTOR AT 120/60/1 PUMP TO BE SUPPLIED TO OWNER FOR PORTABLE USE IN CASE OF EMERGENCY FLOOD IN ELEVATOR PIT.	---	---	1-1/4"	---
(T-1)	CORNER WHIRL POOL TUB - AQUATIC CAVALCADE 60" X 60" X 22" CORNER TUB WITH INTEGRAL DRAIN, PNEUMATIC CONTROLS AND FAUCET WITH FILL SPOUT.	1/2"	1/2"	2"	2"
(TS-1)	TRIPLE COMPARTMENT SINK - K.E.C. #4 SINK WITH FAUCET. PLUMBING CONTRACTOR TO INSTALL SINK AND PROVIDE 2" WASTE LINE FROM EACH COMPARTMENT TO 3" CONNECTION ON GREASE TRAP BELOW ON FLOOR. (SEE DETAIL ON THIS SHEET). 1/2" BALL STOPS FOR HW & CW AND BRAIDED S.S. SUPPLIES.	1/2"	1/2"	3" TO (GT-1)	---
(TD-1)	LAUNDRY TRENCH DRAIN - HM COMPANY MODEL 120 POLY TRENCH DRAIN (84" LONG x 12" WIDE x 12" DEEP) WITH LINT INTERCEPTOR AND 4" OUTLET AND 4" P-TRAP.	---	---	4"	2"
(WB-1)	WASHING MACHINE HOOK-UP - GUY GRAY MODEL BB200TS COMBINATION BOX COMPLETE WITH 2" WASTE LINE AND P-TRAP, 1/2" HOT & COLD WATER LINES FROM TOP	1/2"	1/2"	2"	2"
(WC-1)	TANK TYPE WATER CLOSET - KOHLER K-3505 "WELLWORTH" W/ ELONGATED BOWL, K-4550 WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE.	---	1/2"	4"	2"
(WC-2)	ADA TANK TYPE WATER CLOSET - KOHLER K-3493 "HIGHLINE" W/ ELONGATED BOWL, K-4670-C WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE. RIGHT OR LEFT HAND FLUSH LEVER SO LEVER IS ON OPEN SIDE OF ACCESSIBLE STALLS.	---	1/2"	4"	2"
(WH-1)	GAS FIRED WATER HEATER - A.O. SMITH MODEL BTH-250 WITH 100 GALLON TANK, 250,000 BTU INPUT, 1-1/2" WATER CONNECTIONS AND HEAT TRAP NIPPLES, 3/4" T&P RELIEF VALVE. 120/60/1 POWER REQUIRED.	1-1/2"	1-1/2"	---	---
(WS-1)	WATER SOFTENER - WATER TECH MODEL RS1805-29S204 DUPLEX WATER SOFTENER WITH (2) RESIN TANKS & (1) BRINE TANK. 125 GPM PEAK FLOW AT 17 GRAINS HARDNESS. 120/60/1 POWER REQUIREMENT AT 0.32 FLA.	---	2-1/2"	---	---



WATER HEATER PIPING DIAGRAM
NO SCALE



WATER SOFTENER PIPING DIAGRAM
NO SCALE



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A NEW HOTEL:

HOTEL

TWIN FALLS, ID.

PLUMBING DETAILS & SCHEDULES

Laughlin Ricks Architecture

architecture/planning

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DATE: 5/06/2022

DRN Drawn

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