



Architecture + Planning
 17911 Von Karman Ave.
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 ktgy.com
 949.851.2133

KTGY Project No: 171180

Project Contact: Dorina Szalma
Email: dszalma@ktgy.com

Principal: Simon Perowitz
Project Designer: STAN BRADEN

Developer
La Costa Glen
 CARLSBAD

LA COSTA GLEN
 1970 LEVANTE STREET

CARLSBAD, CA 92009
 PHONE NO. 800-852-4384
 FAX NO. ----

LAKESIDE COMMONS DINING

1960 SILVERLEAF CIRCLE
 CARLSBAD, CA 92009



EXISTING DOMESTIC HOT WATER BOILERS										
UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	ELECTRICAL	GAS INPUT BTU/H	INLET TEMP °F	OUTLET TEMP °F	RECOVERY GPH @ 60	APPROX. SHIP'S WT. LBS.	REMARKS
B 1-7	RAYPAK HI DELTA WH9-2072	SOUTH PLANT	DOMESTIC HOT WATER	120 V., 1 PH, 60 HZ	2,070	60	120	3,555	1,450	EXISTING BOILER (7) LOCATED IN THE SOUTH BOILER PLANT.

EXISTING HOT WATER STORAGE TANK SCHEDULE										
UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	TYPE	SIZE	STORAGE (GALLONS)	PRESS. RATING	LINING	OPER. WT. LBS.	REMARKS	
T 1&2	HANSEN TANKS WN-104-B	SOUTH PLANT	DOMESTIC HOT WATER	60" X 128"	1,468	150 P.S.I.	DOUBLE GLASS	12,250	EXISTING HOT WATER STORAGE TANKS (2) LOCATED IN THE SOUTH BOILER PLANT.	

EXISTING PRE-CAST CONCRETE GREASE INTERCEPTORS										
UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	TYPE	SIZE	STORAGE (GALLONS)	REMARKS			
GI 1	PRO CAST PC-G-3750	SERVICE YARD		PRE-CAST CONCRETE	6'-2" X 26'-1" X 72" H	3,750	COMPLETE WITH MANHOLES AND CONCRETE MANHOLE EXTENSIONS TO GRADE AS REQUIRED, GAS TIGHT GALVANIZED STEEL TRAFFIC WEIGHT COVER.			

EXISTING GREASE INTERCEPTOR CALCULATION								
LIQUID CAPACITY	=	NUMBER OF MEALS	X	FLOW RATE	X	RETENTION TIME	X	STORAGE FACTOR
	=	(237)		(6 GALS.)		(2.5 HRS)		(1)
	=	3,555 GALLONS						
BASED ON 8 HOUR OPERATION PER DAY.								
SEATING CAPACITY								
PRIVATE DINING:		12						
BAR / LOUNGE:		42						
MAIN DINING:		183						
TOTAL:		237						

Sheet Issue & Revision Log

NO.	DATE	DESCRIPTION
A	4-17-2020	2nd PC Submittal

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 Plumbing Lead - Ron Brick
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EQUIPMENT SCHEDULES



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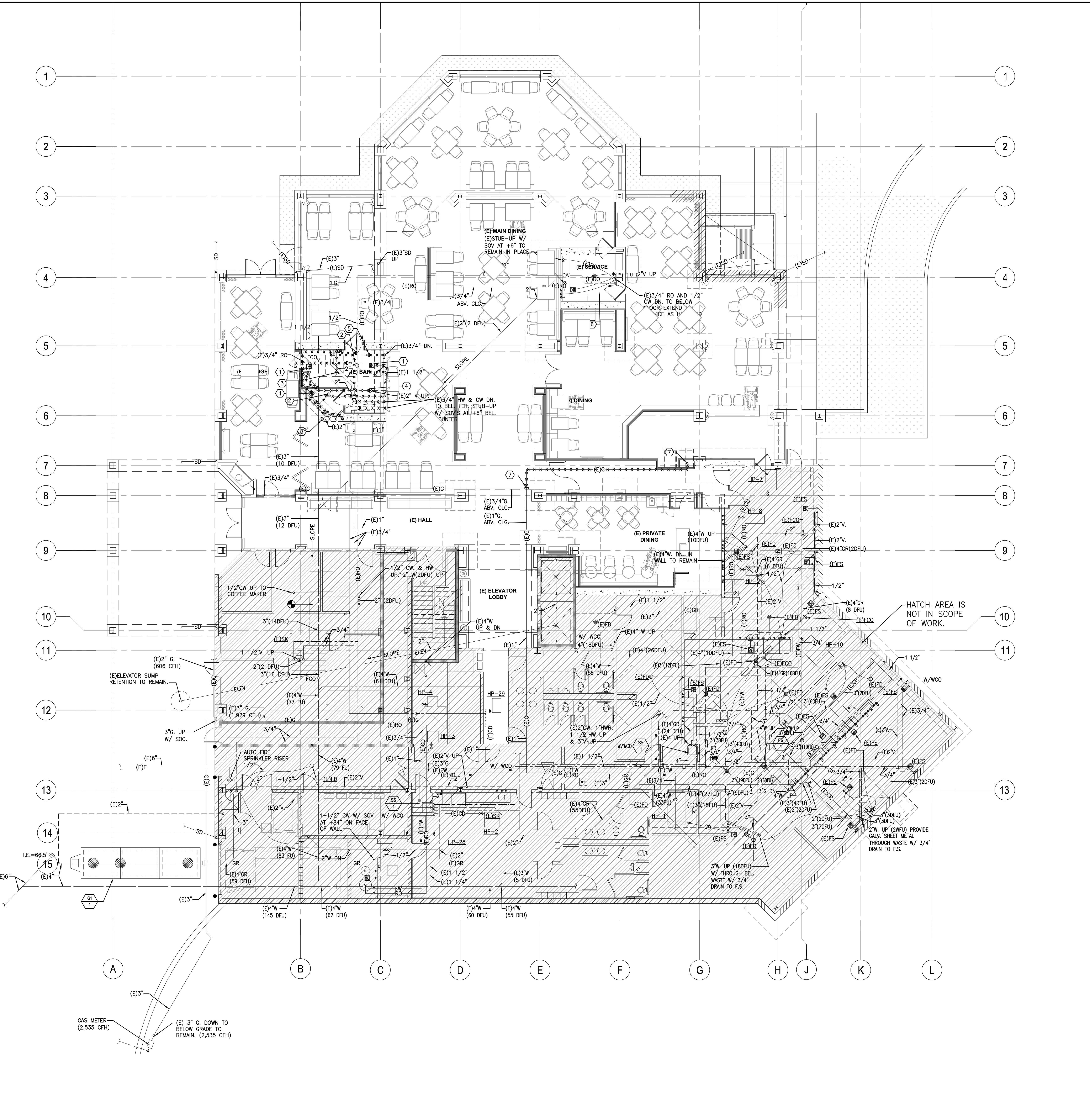
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PLUMBING DEMOLITION FLOOR PLAN

- KEYED NOTES (DEMO)**
- EXISTING FLOOR SINK TO BE REMOVED. PLUG AND REMOVE WASTE LINE BELOW SLAB. REMOVE VENT LINE AS SHOWN.
 - EXISTING FLOOR DRAIN TO BE REMOVED. PLUG AND REMOVE WASTE LINE BELOW SLAB. REMOVE VENT LINE AS SHOWN.
 - CAP WASTE LINE BELOW SLAB.
 - CAP VENT LINE ABOVE CEILING.
 - CAP WATER LINE ABOVE CEILING.
 - EXISTING SERVICE AREA TO REMAIN. PROTECT ALL FIXTURES AND PIPING IN PLACE.
 - CAP AND REMOVE EXISTING GAS PIPE UP TO UPPER LEVEL FIREPLACE.





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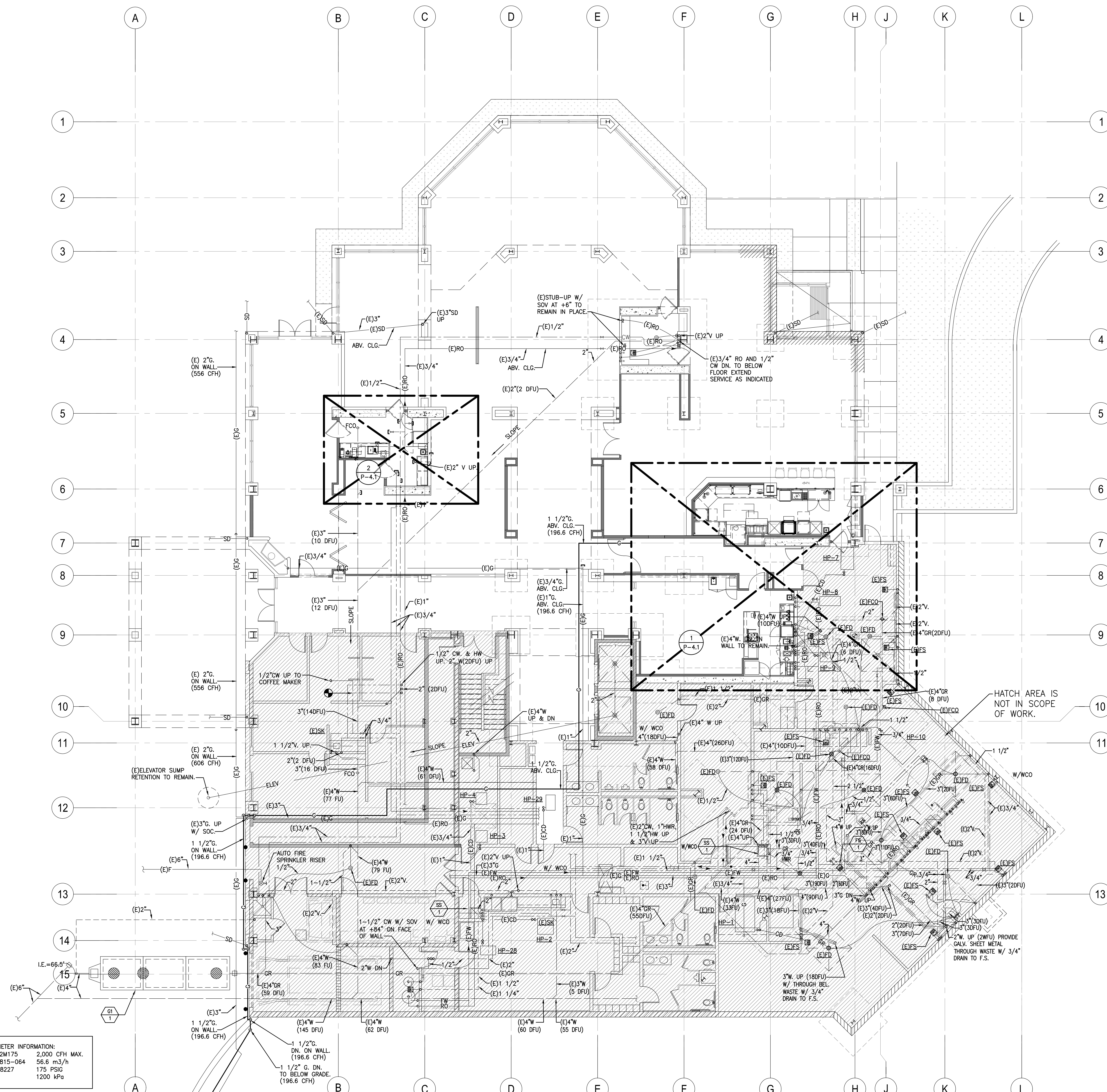
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PLUMBING FLOOR PLAN LOWER LEVEL

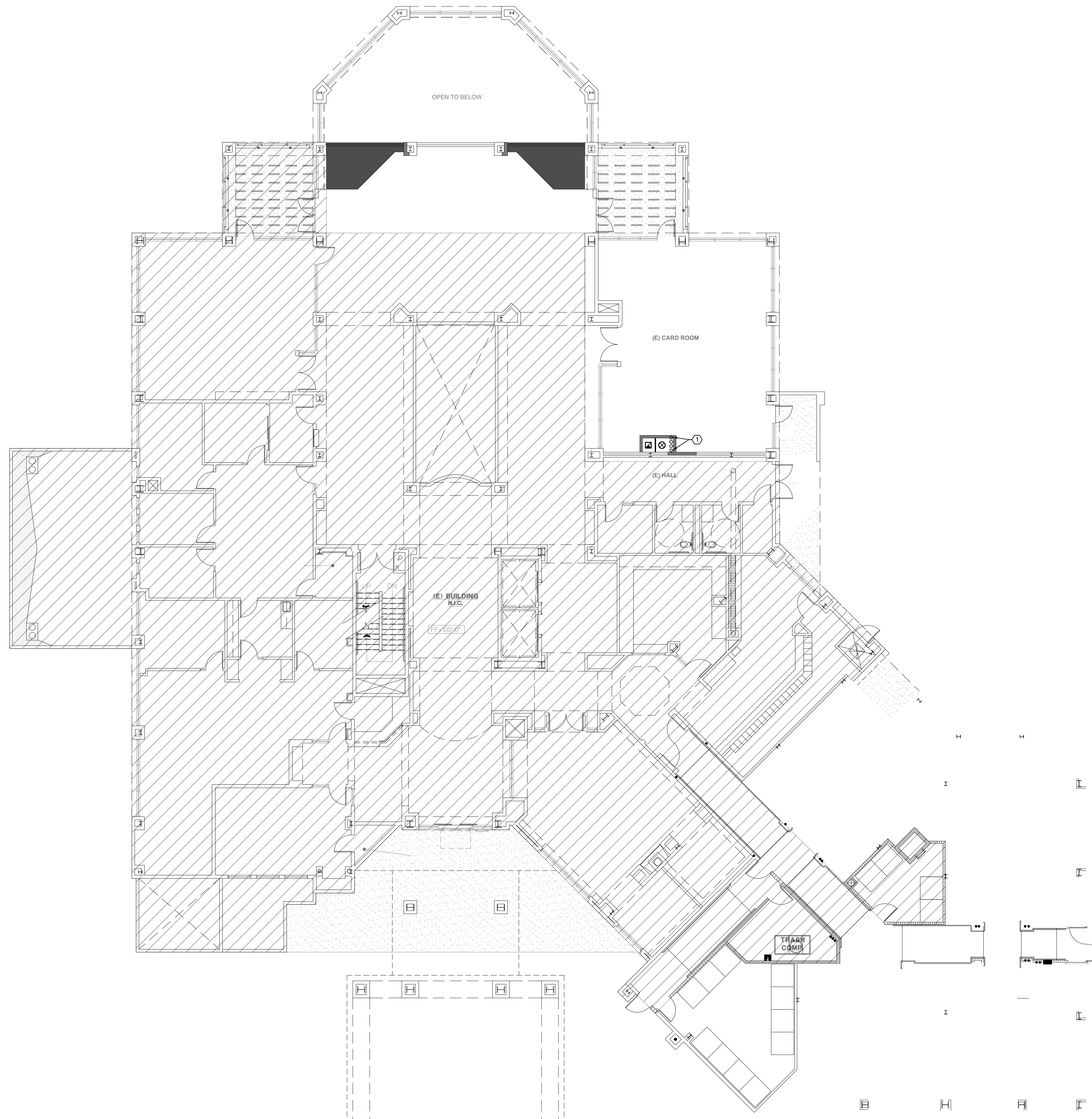
P-2.1



(E) GAS METER INFORMATION:
 ROOTS # 2M175 2,000 CFH MAX.
 B/S #051815-064 56.6 m³/h
 S/N #1438227 175 PSIG
 1200 kPa

PLUMBING AND GENERAL CONTRACTORS SHALL COORDINATE WITH LOCAL GAS COMPANY TO CONFIRM IF EXISTING GAS METER WILL HANDLE THE ADDITIONAL GAS LOAD. LOCAL GAS COMPANY TO UPSIZE GAS METER IF NECESSARY.

CONNECT NEW 1 1/2" G. TO EXISTING GAS MAIN AT METER, MODIFY EXISTING PIPING AS REQUIRED.



KEYED NOTES:
 ① 3/4" COLD WATER, 1" GAS (75 CFH), 3" VENT (20 FU) AND 2" WASTE UP TO ABOVE AND DOWN TO BELOW IN WALL. GENERAL CONTRACTOR TO FURR-OUT WALL TO CONCEAL NEW PIPING.



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**PLUMBING FLOOR
 PLAN FIRST LEVEL**



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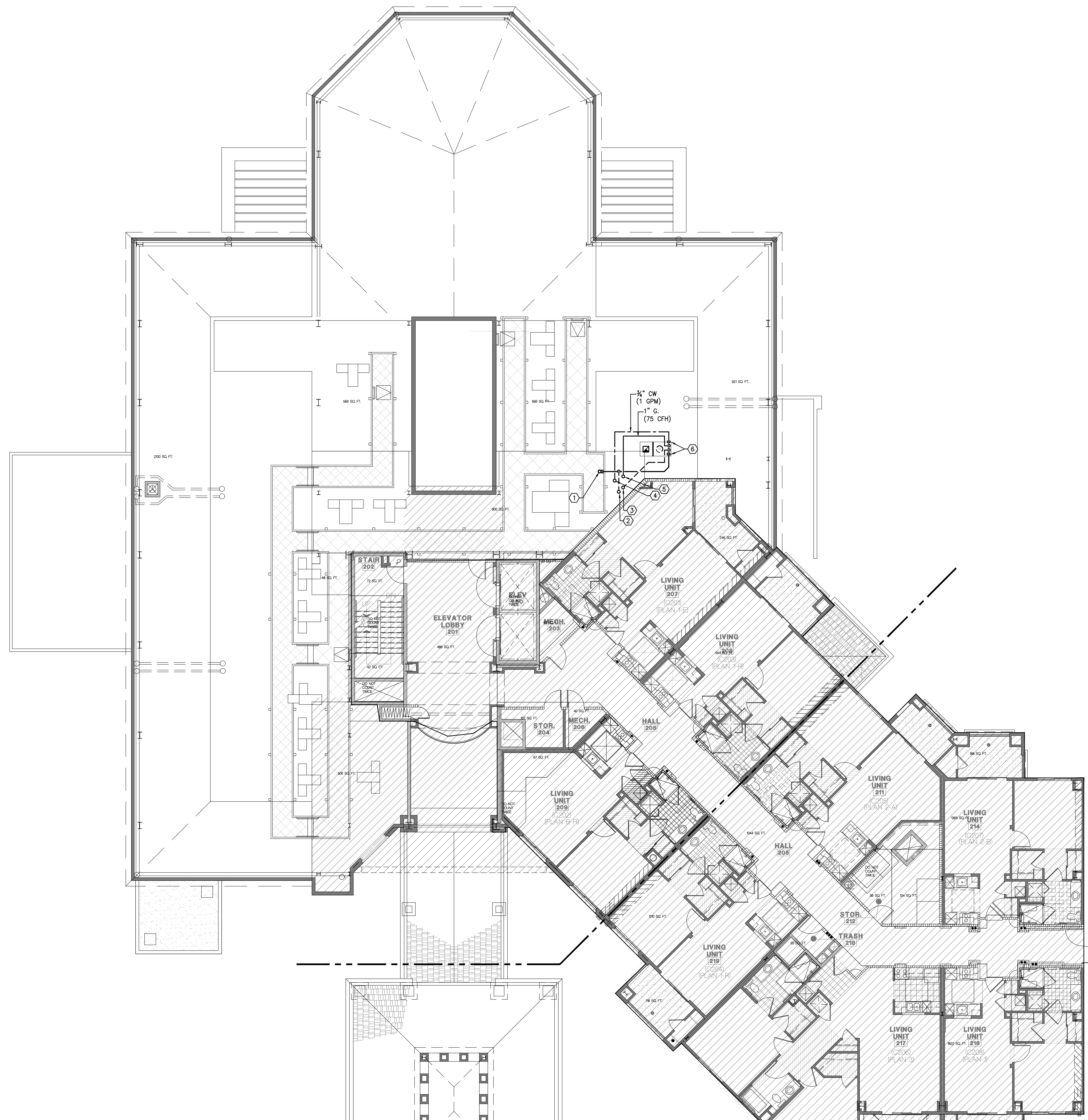
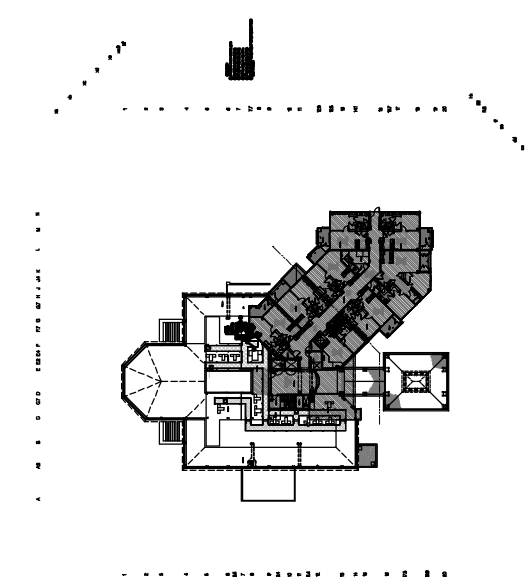
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PLUMBING FLOOR PLAN SECOND LEVEL SCALE: 1/8"=1'-0" 1

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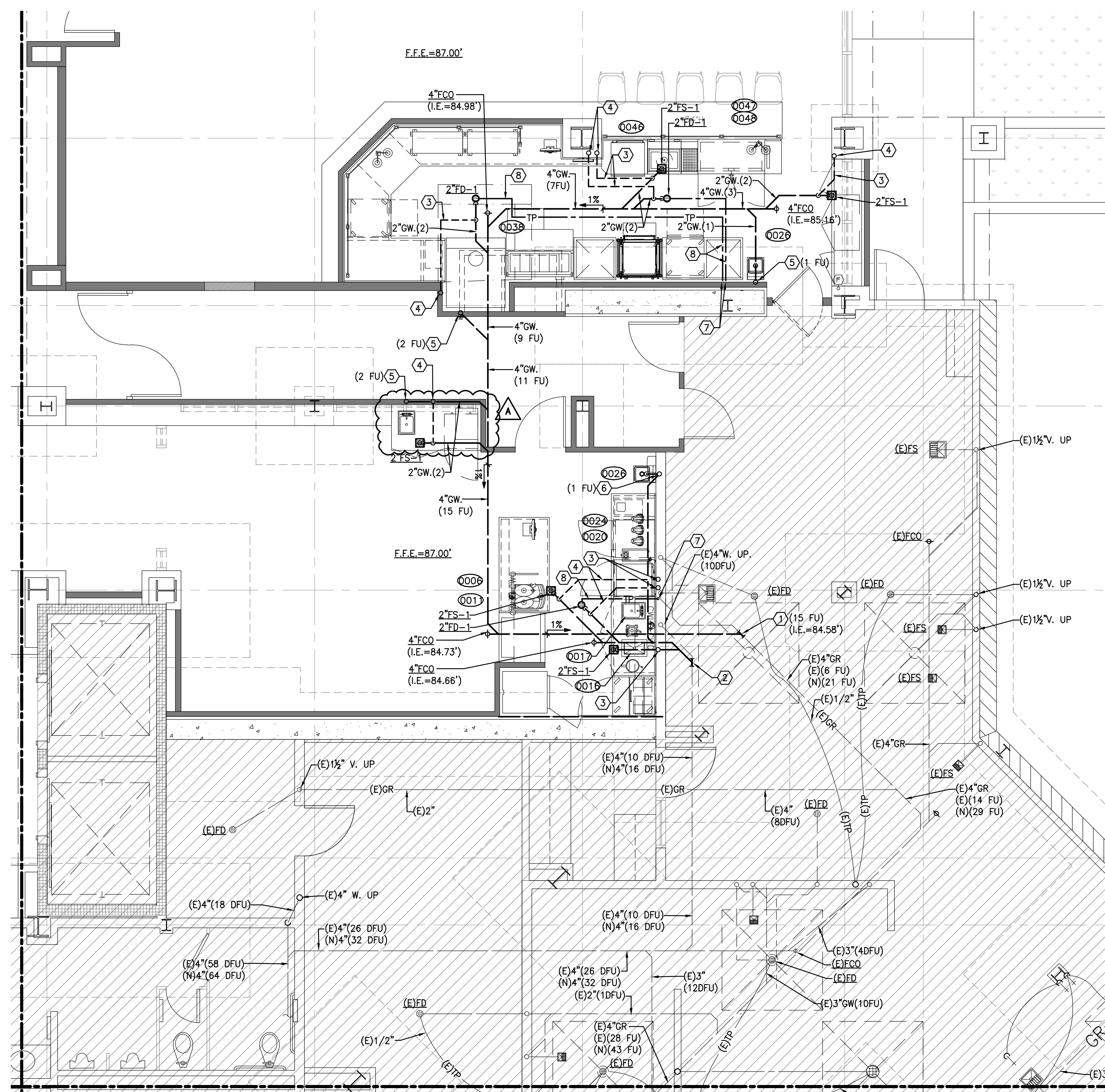
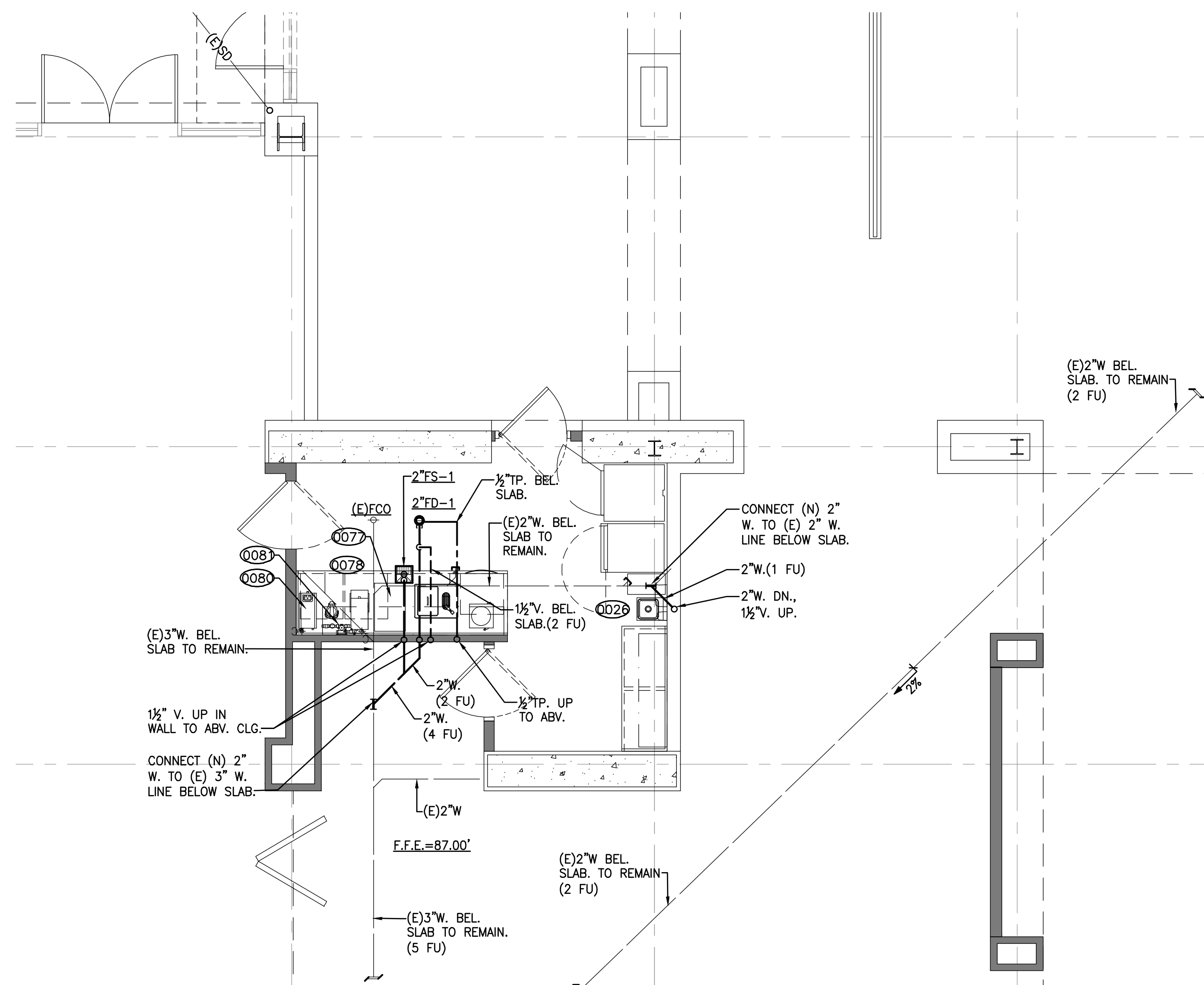
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PLUMBING FLOOR PLAN SECOND LEVEL



KEYED NOTES:

- ① CONNECT NEW 4" GREASE WASTE TO EXISTING 4" GREASE WASTE BELOW SLAB. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, DEPTH AND DIRECTION OF FLOW PRIOR TO START OF CONSTRUCTION.
- ② CONNECT NEW 4" WASTE LINE TO EXISTING 4" WASTE LINE BELOW SLAB. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, DEPTH AND DIRECTION OF FLOW PRIOR TO START OF CONSTRUCTION.
- ③ 1/2" VENT BELOW SLAB.
- ④ 1/2" VENT UP IN WALL TO ABOVE.
- ⑤ 2" GREASE WASTE UP IN WALL TO ABOVE. (FU)
- ⑥ 2" WASTE UP IN WALL TO ABOVE. (FU)
- ⑦ 1/2" TRAP PRIMER LINE UP IN WALL TO ABOVE.
- ⑧ 1/2" TRAP PRIMER LINE BELOW SLAB, CONNECT TO FLOOR DRAIN P-TRAP.



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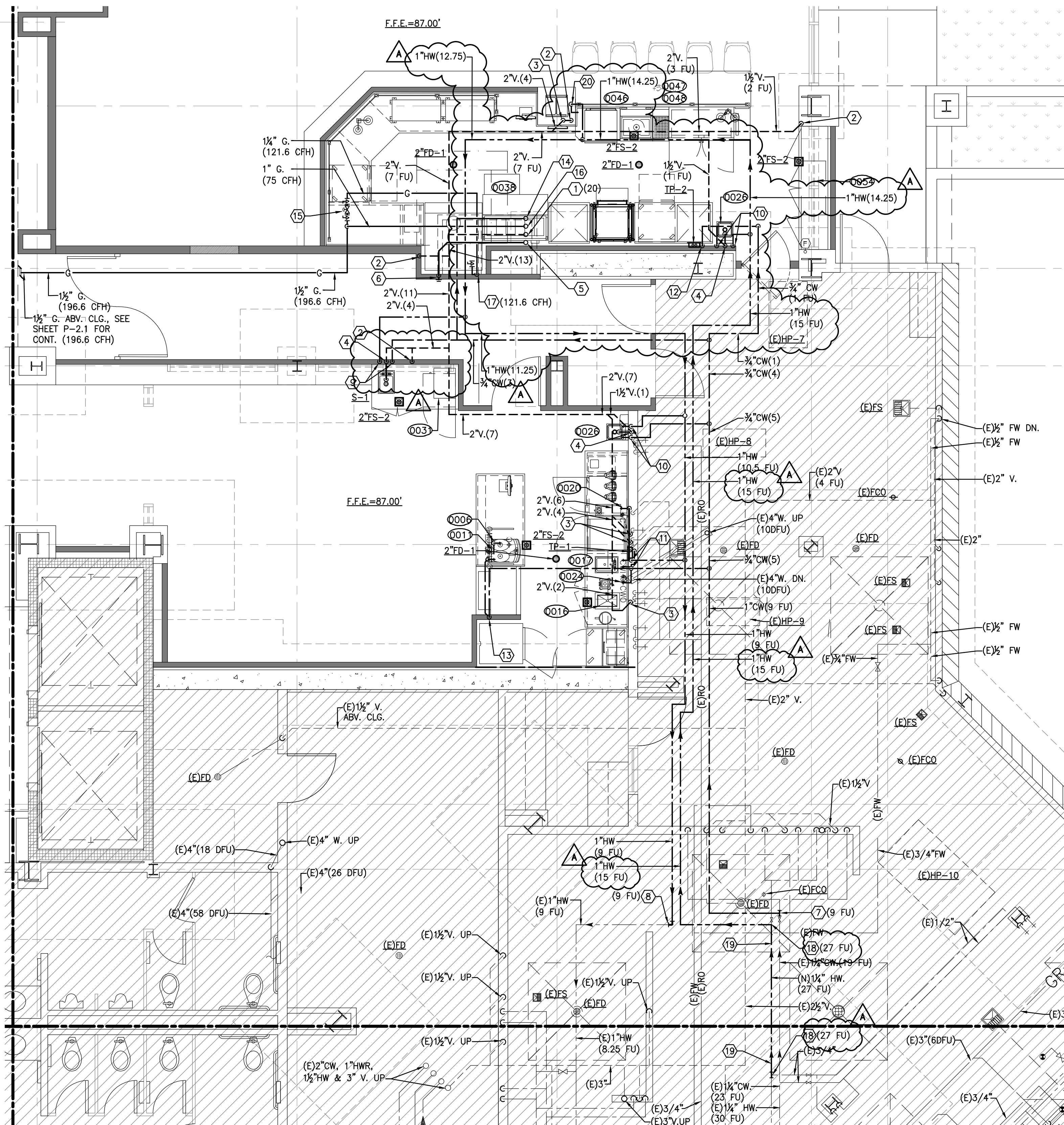
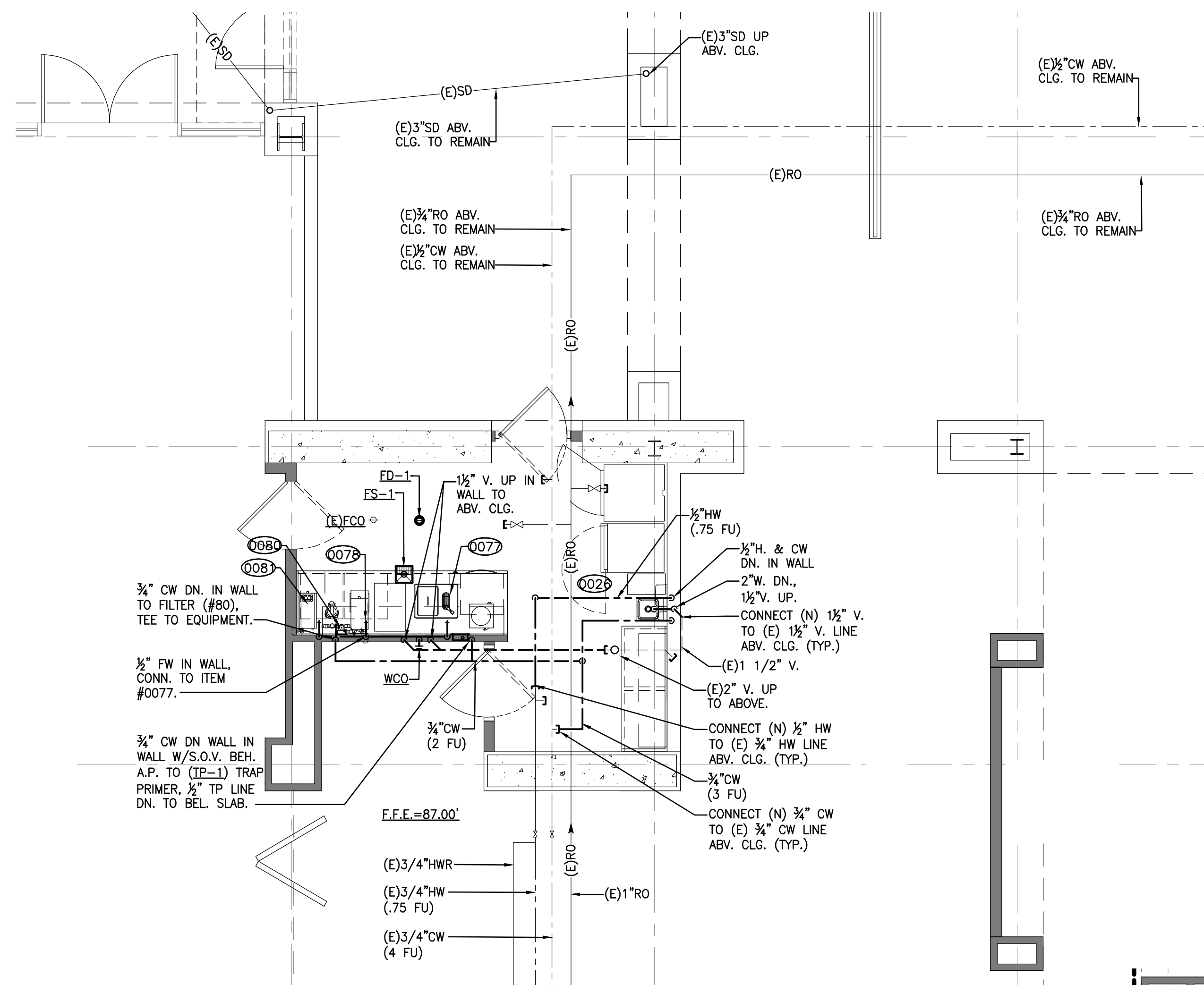
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**ENLARGED
 PLUMBING
 UNDERGROUND
 PLANS**



KEYED NOTES:

- ① 3" VENT UP TO ABOVE, SEE SHEET P-2.2 FOR CONTINUATION.
- ② 1/2" VENT UP FROM BELOW SLAB, UP TO ABOVE CEILING.
- ③ 1/2" VENT UP FROM BELOW SLAB, 2" VENT UP IN WALL TO ABOVE CEILING.
- ④ 2" WASTE DOWN, 1/2" VENT UP IN WALL TO ABOVE CEILING.
- ⑤ 2" WASTE UP TO ABOVE, SEE SHEET P-2.2 FOR CONTINUATION.
- ⑥ 2" WASTE DOWN IN WALL TO BELOW SLAB.
- ⑦ CONNECT NEW 1" COLD WATER LINE TO EXISTING 1/2" COLD WATER LINE ABOVE CEILING.
- ⑧ CONNECT NEW 1" HOT WATER LINE TO EXISTING 1" HOT WATER LINE ABOVE CEILING.
- ⑨ 3/4" HOT AND COLD WATER DOWN IN WALL TO SINK SUPPLIES.
- ⑩ 3/4" HOT AND COLD WATER DOWN IN WALL TO HAND SINK SUPPLIES.
- ⑪ 3/4" HOT AND COLD WATER DOWN IN WALL TO KITCHEN SINK AND EQUIPMENT.
- ⑫ 3/4" COLD WATER DOWN IN WALL TO TRAP PRIMER (TP-1), (2) 3/4" TRAP PRIMER LINES DOWN TO BELOW SLAB.
- ⑬ 3/4" COLD WATER DOWN IN WALL TO K.E.C. WATER FILTER AND KITCHEN EQUIPMENT.
- ⑭ 3/4" COLD WATER UP TO FLOOR ABOVE (TO ROOF).
- ⑮ GAS SOLENOID VALVE ABOVE CEILING, PROVIDED AND LOCATED BY KITCHEN CONSULTANT, INSTALLED BY PLUMBING CONTRACTOR.
- ⑯ 1" GAS UP TO FLOOR ABOVE TO ROOF. (75 CFH)
- ⑰ 1/2" GAS DOWN IN WALL TO PIZZA OVEN (121.6 CFH)
- ⑱ CONNECT NEW 1/2" HOT WATER LINE TO EXISTING 1/2" HOT WATER LINE ABOVE CEILING. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION FIELD PRIOR TO START OF WORK.
- ⑲ EXISTING 1" HOT WATER LINE TO BE REMOVED AND REPLACED WITH A 1/2" HOT WATER LINE.
- ⑳ 3/4" HOT WATER DOWN IN WALL TO ANGLESSTOP. CONNECT TO UNDER COUNTER DISHWASHER.

ENLARGED PLUMBING PLANS SCALE: 1/4"=1'-0" 1



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**ENLARGED
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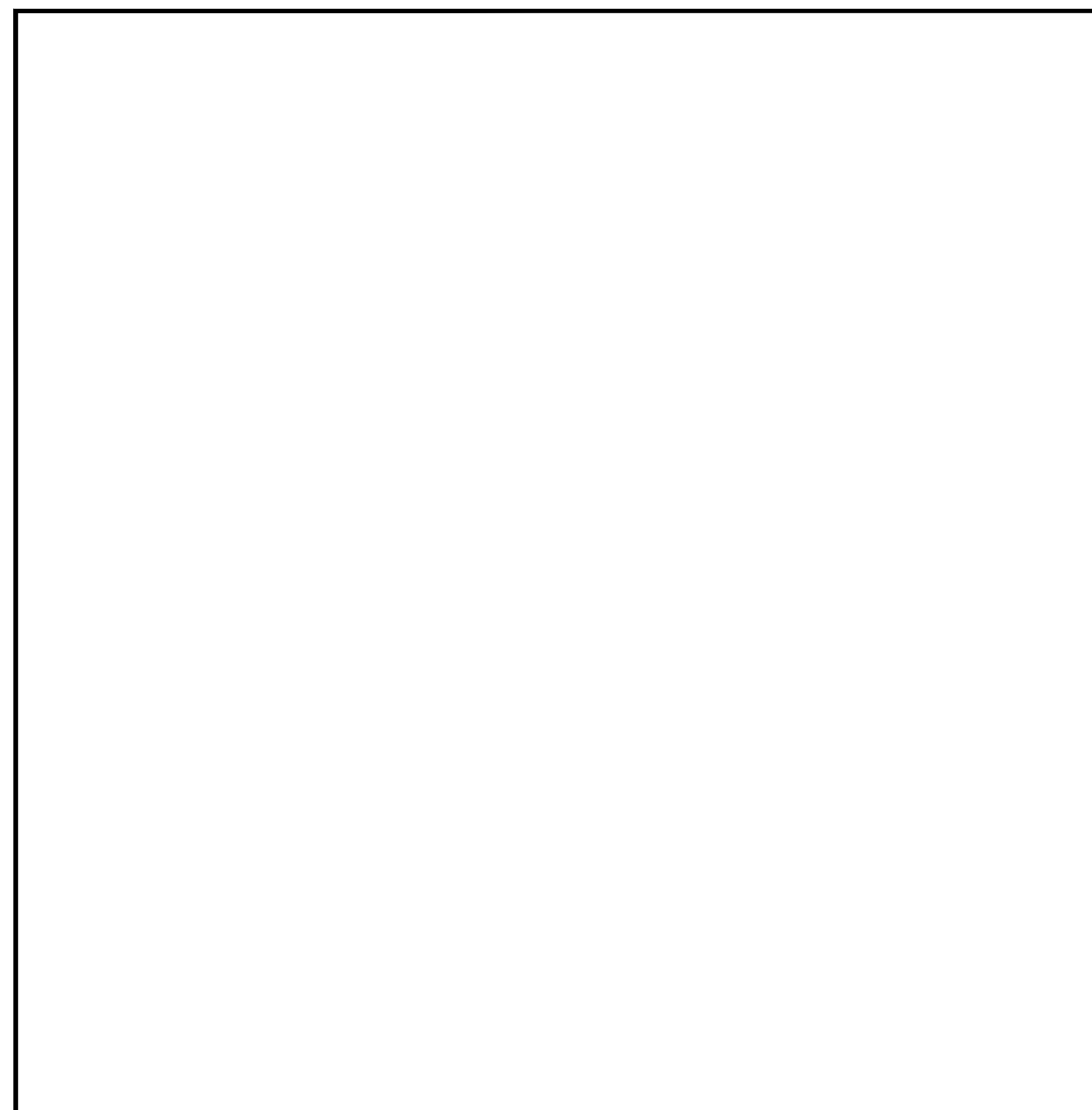
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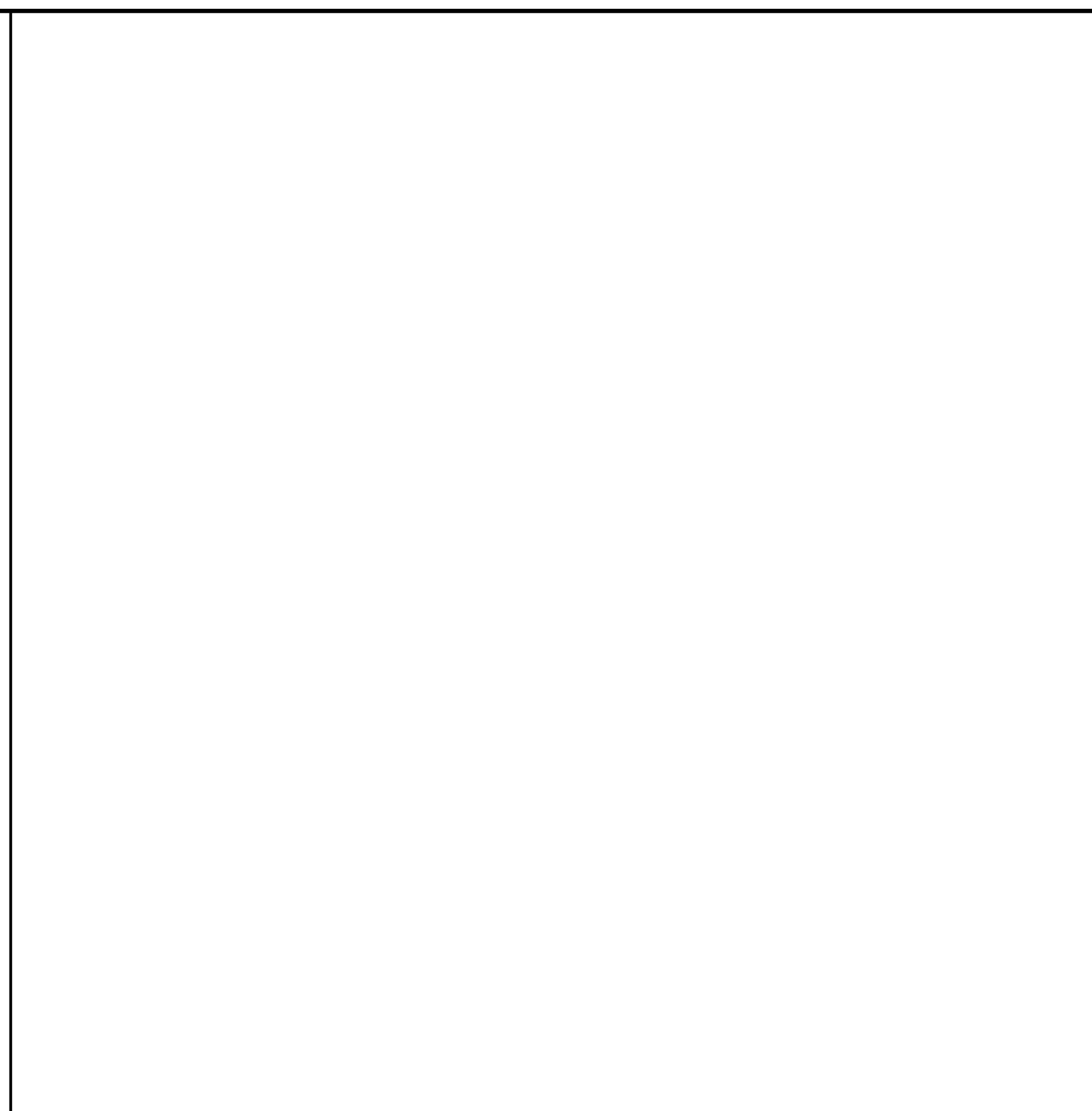


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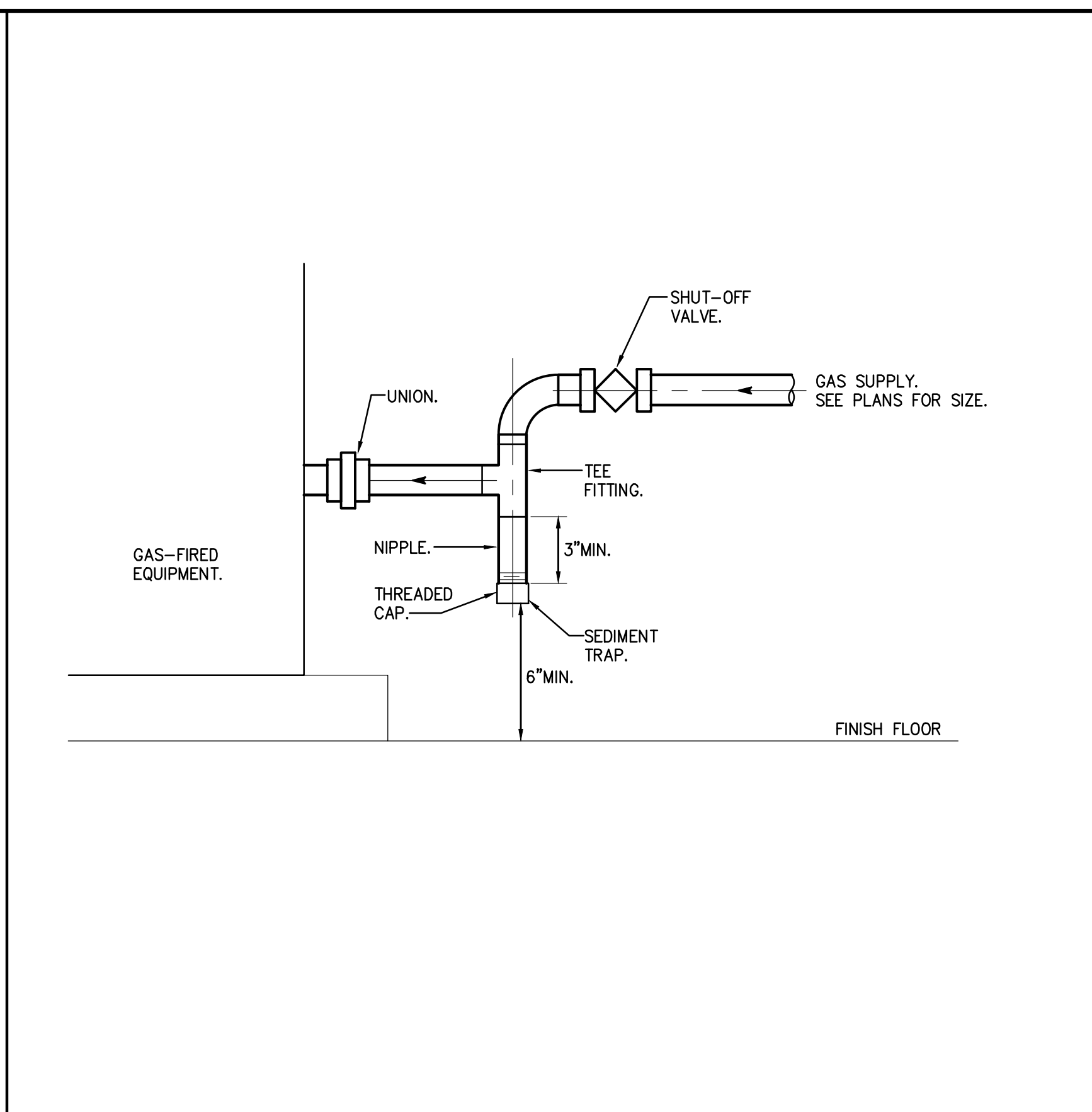
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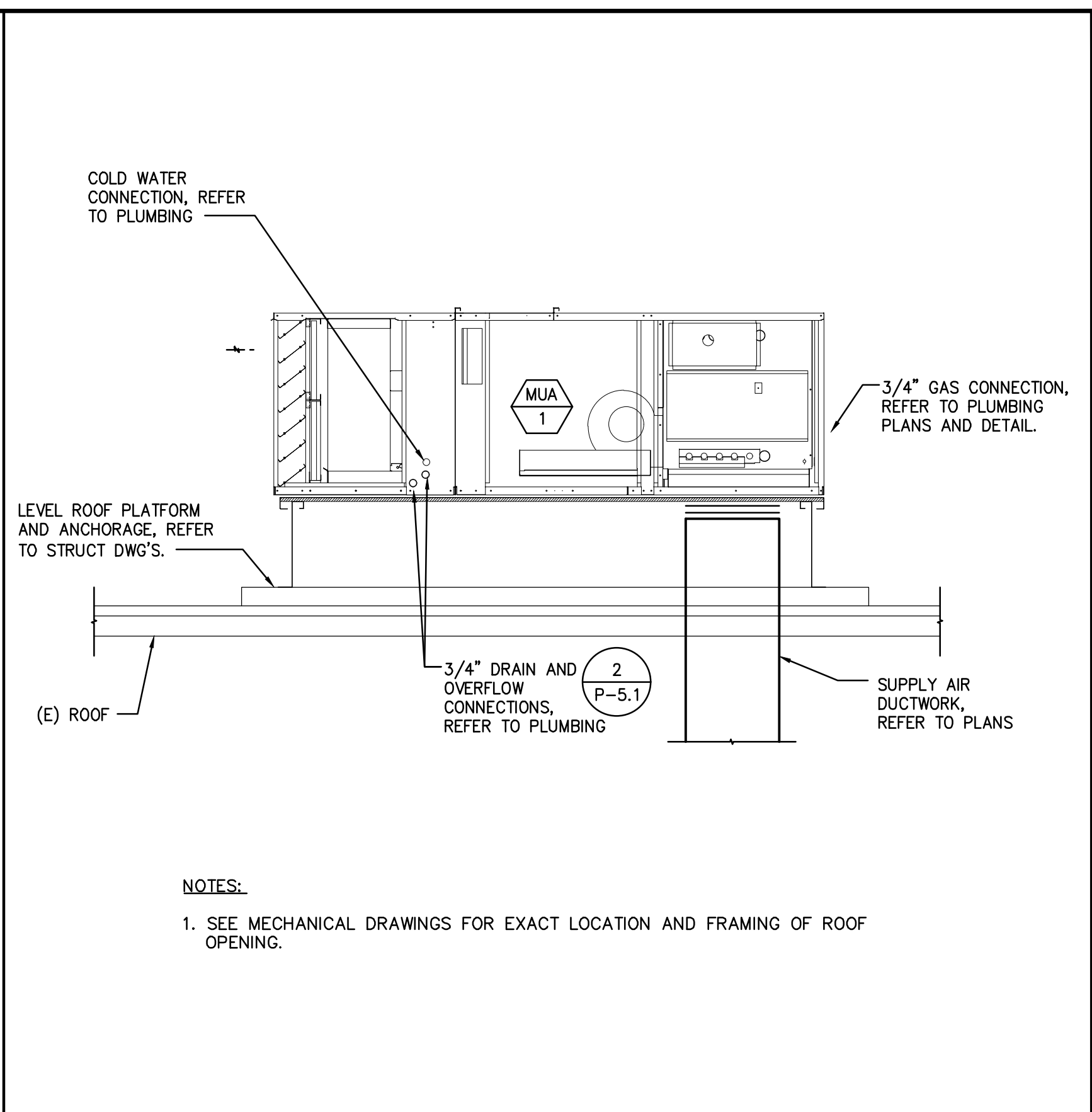
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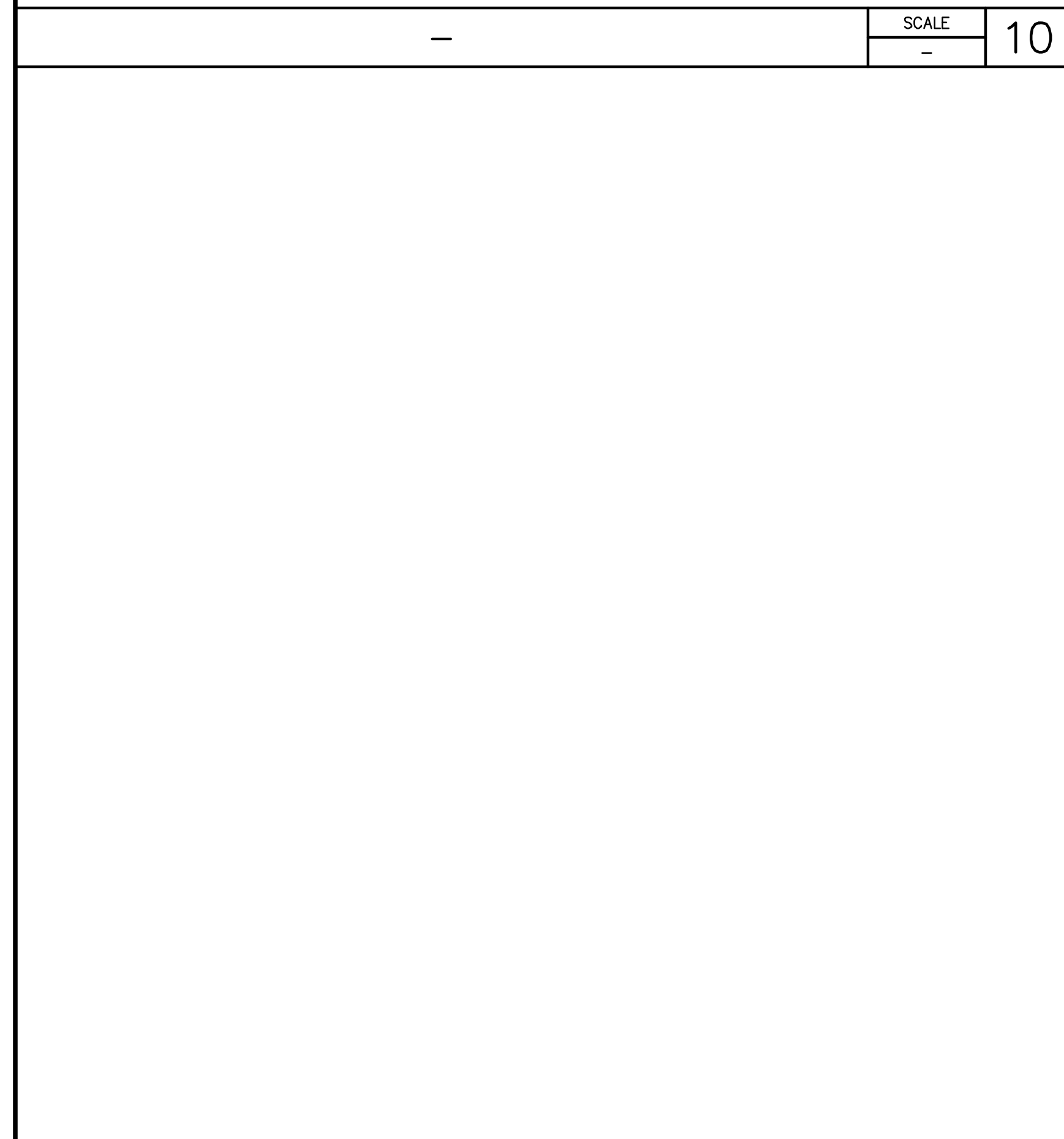
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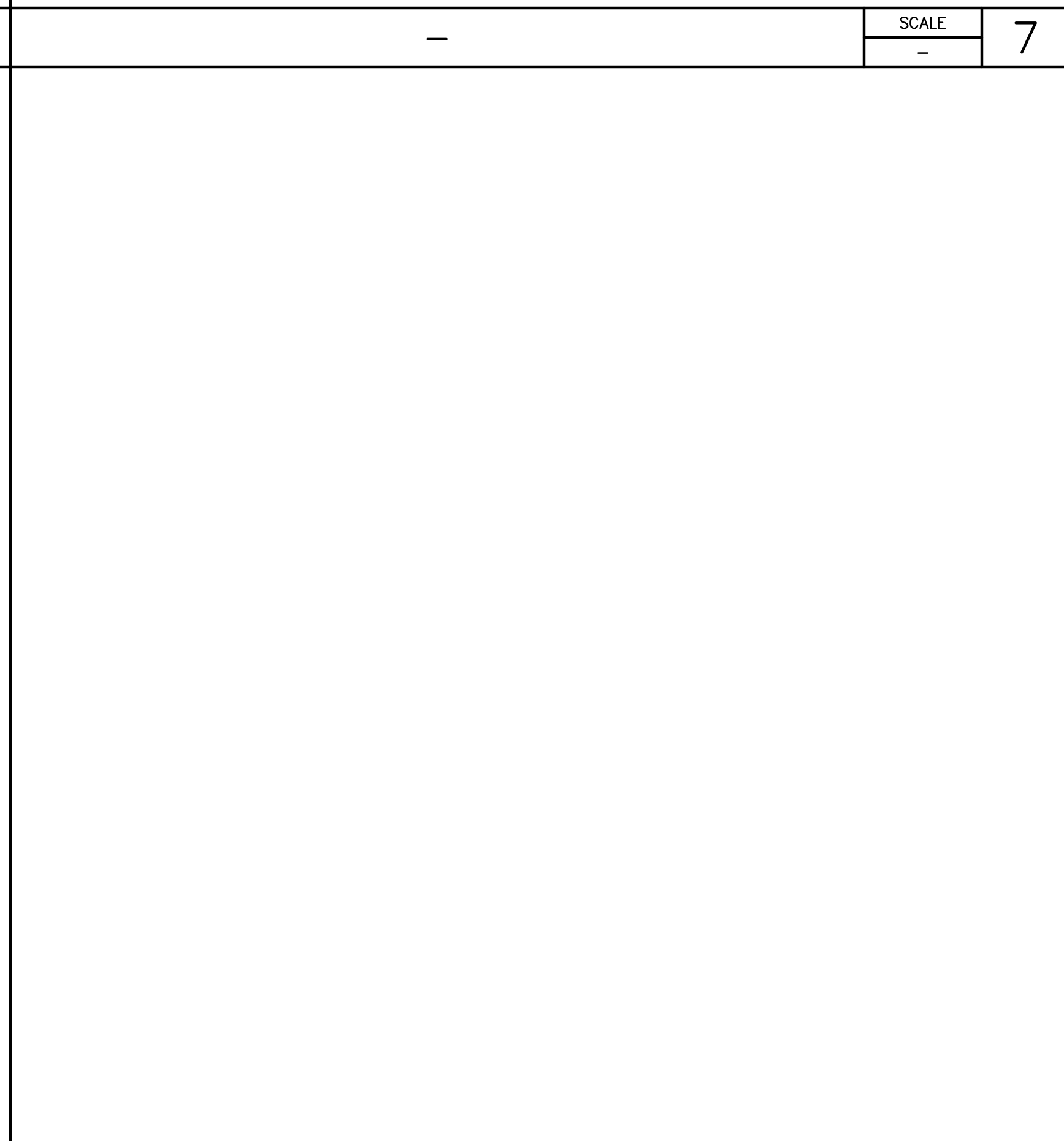
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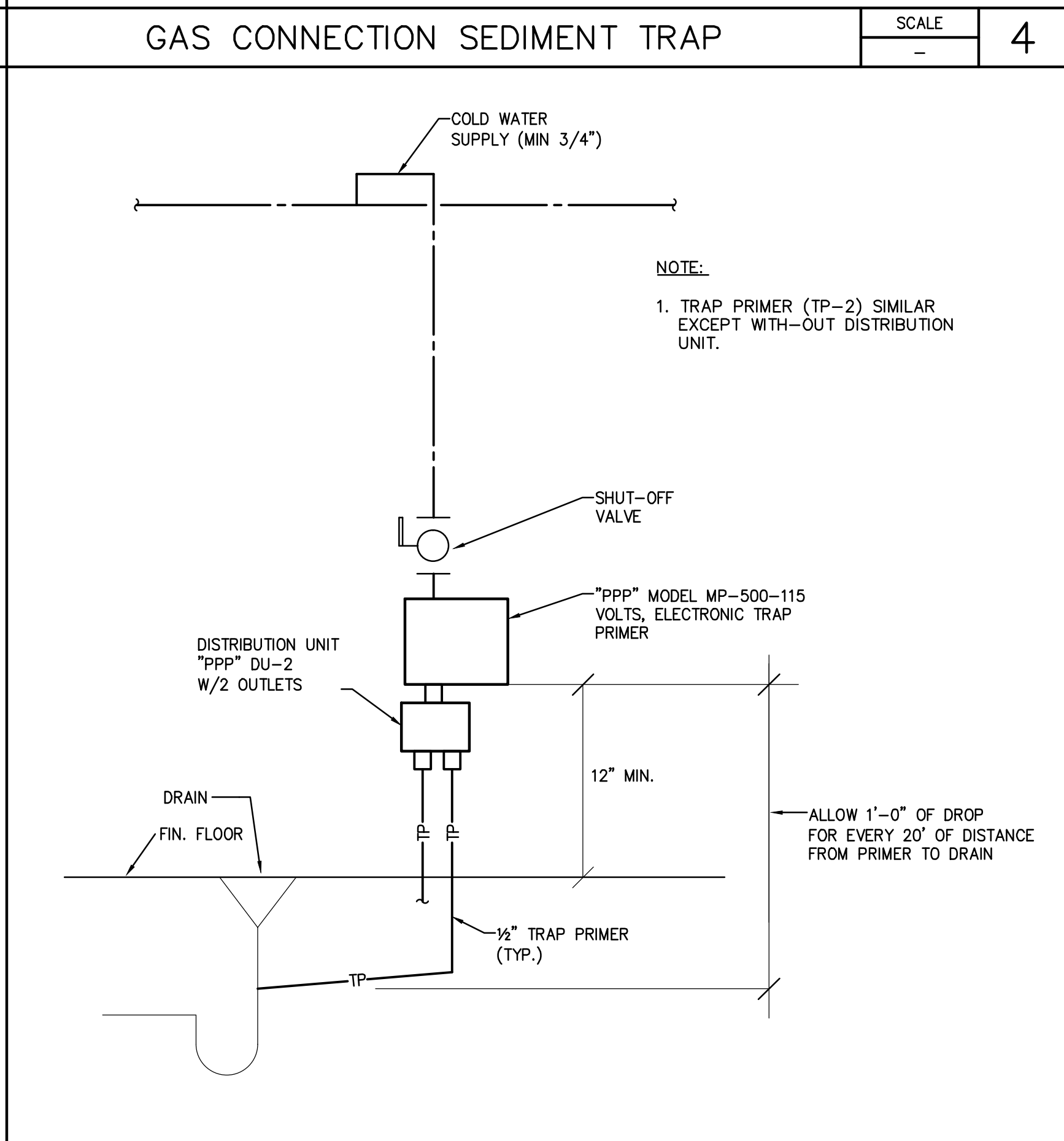
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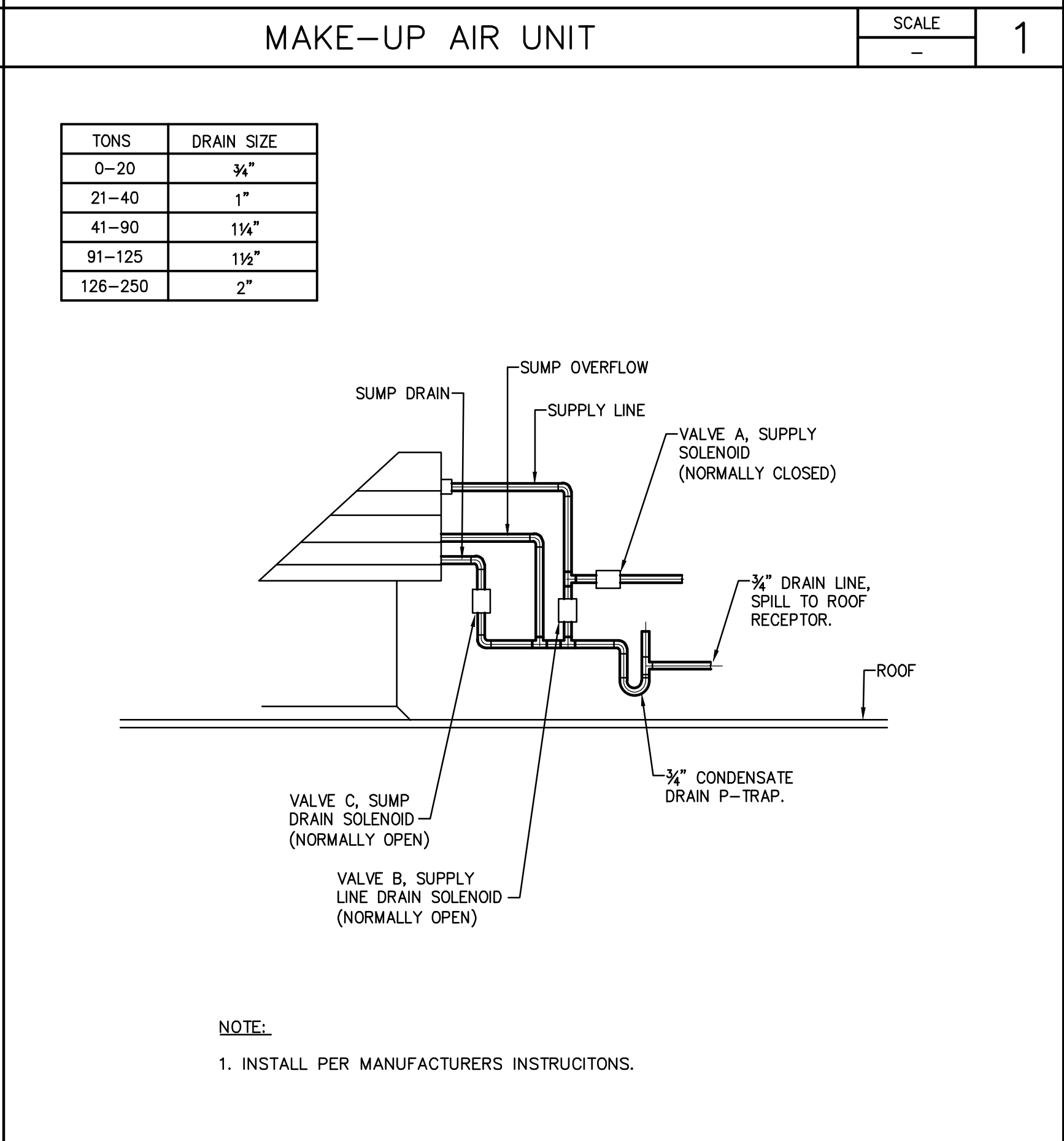
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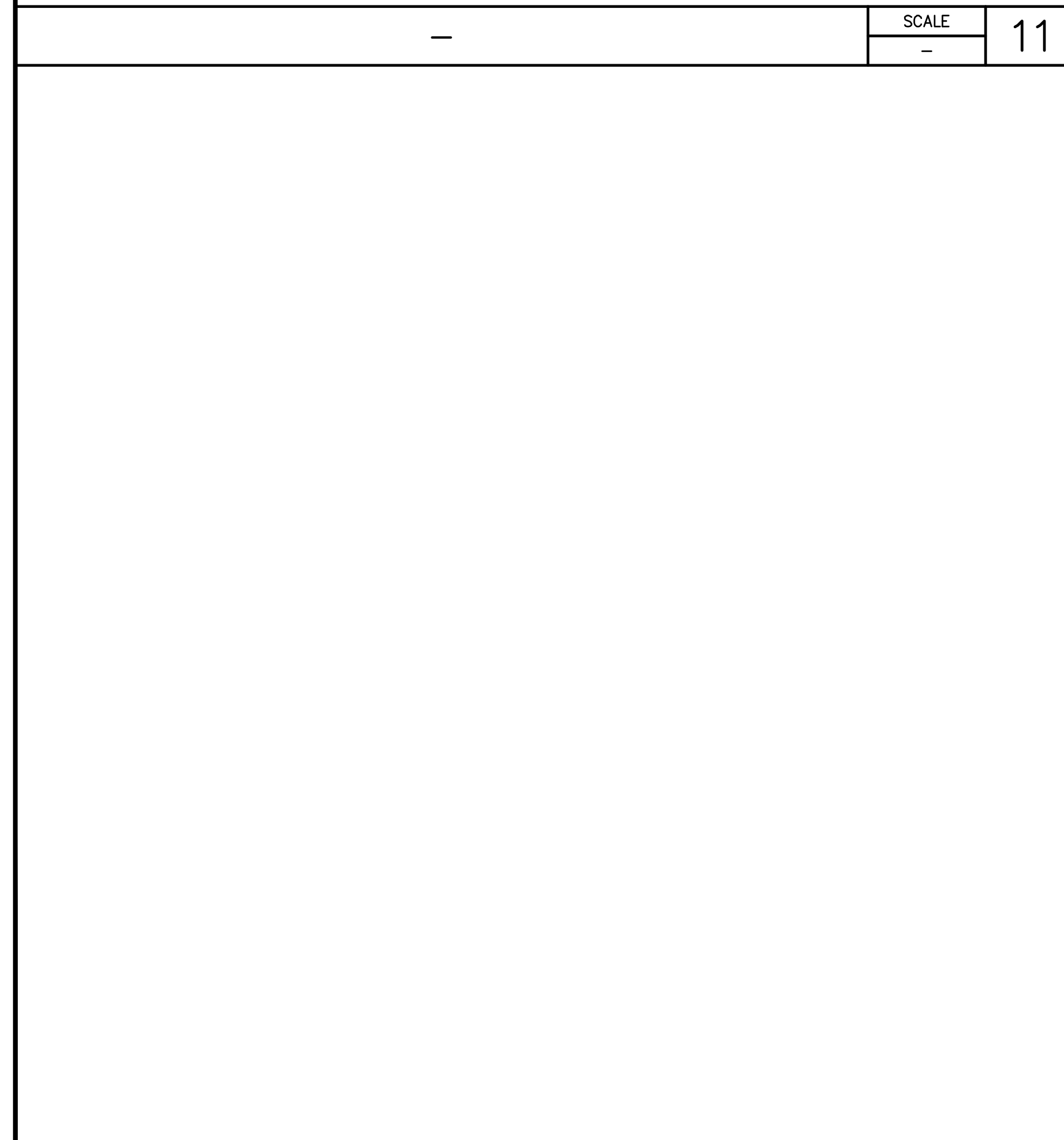
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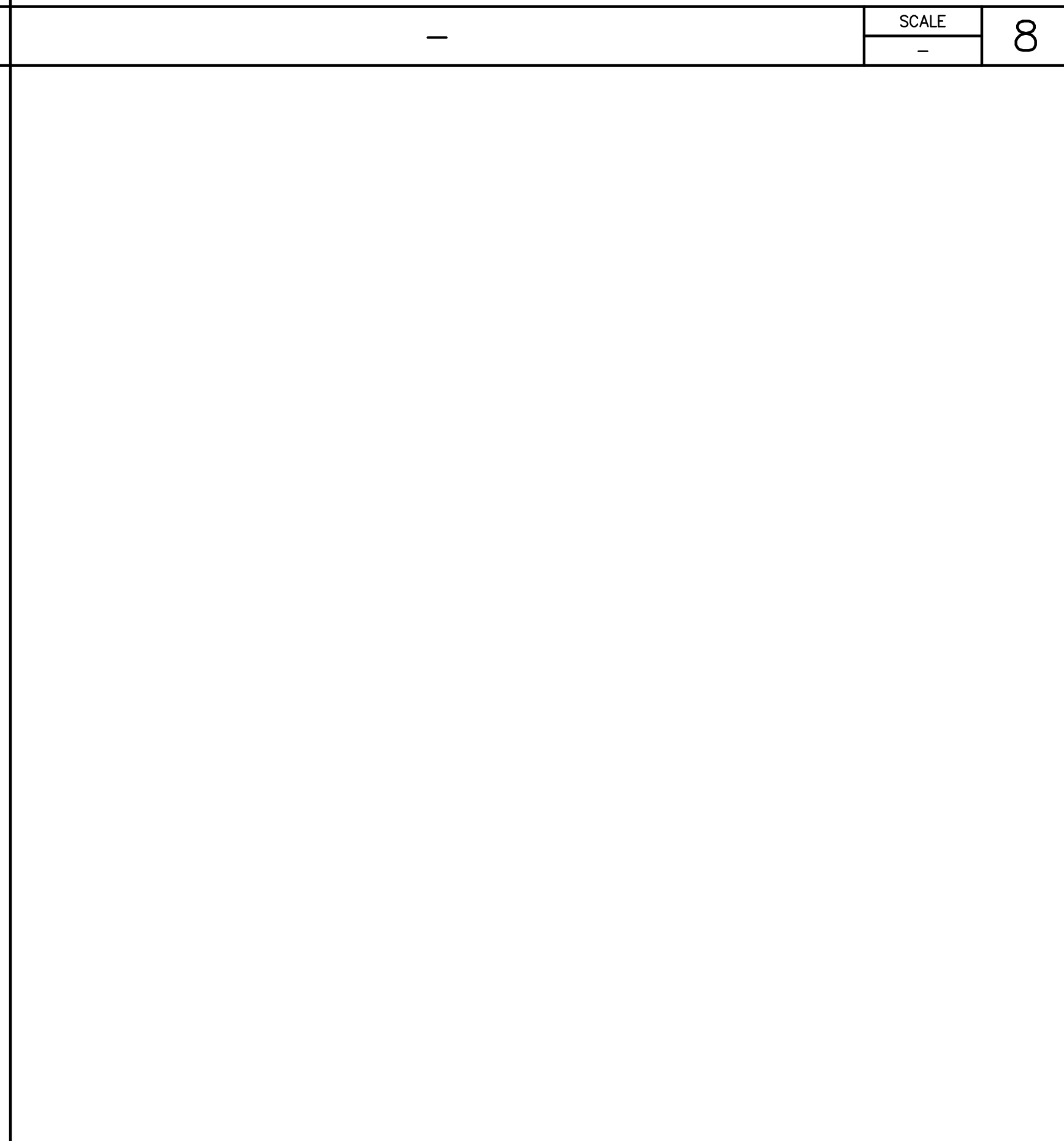
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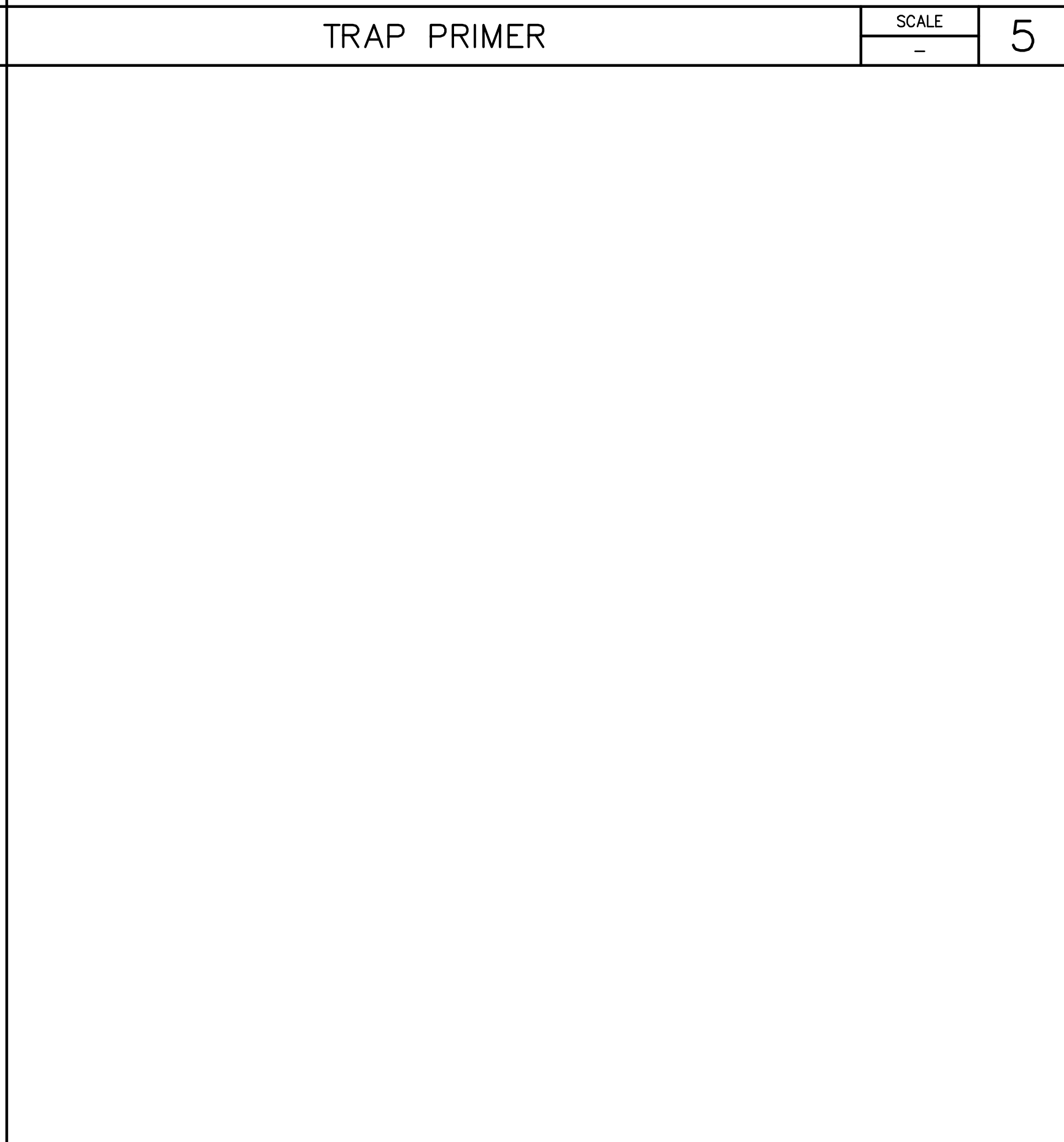
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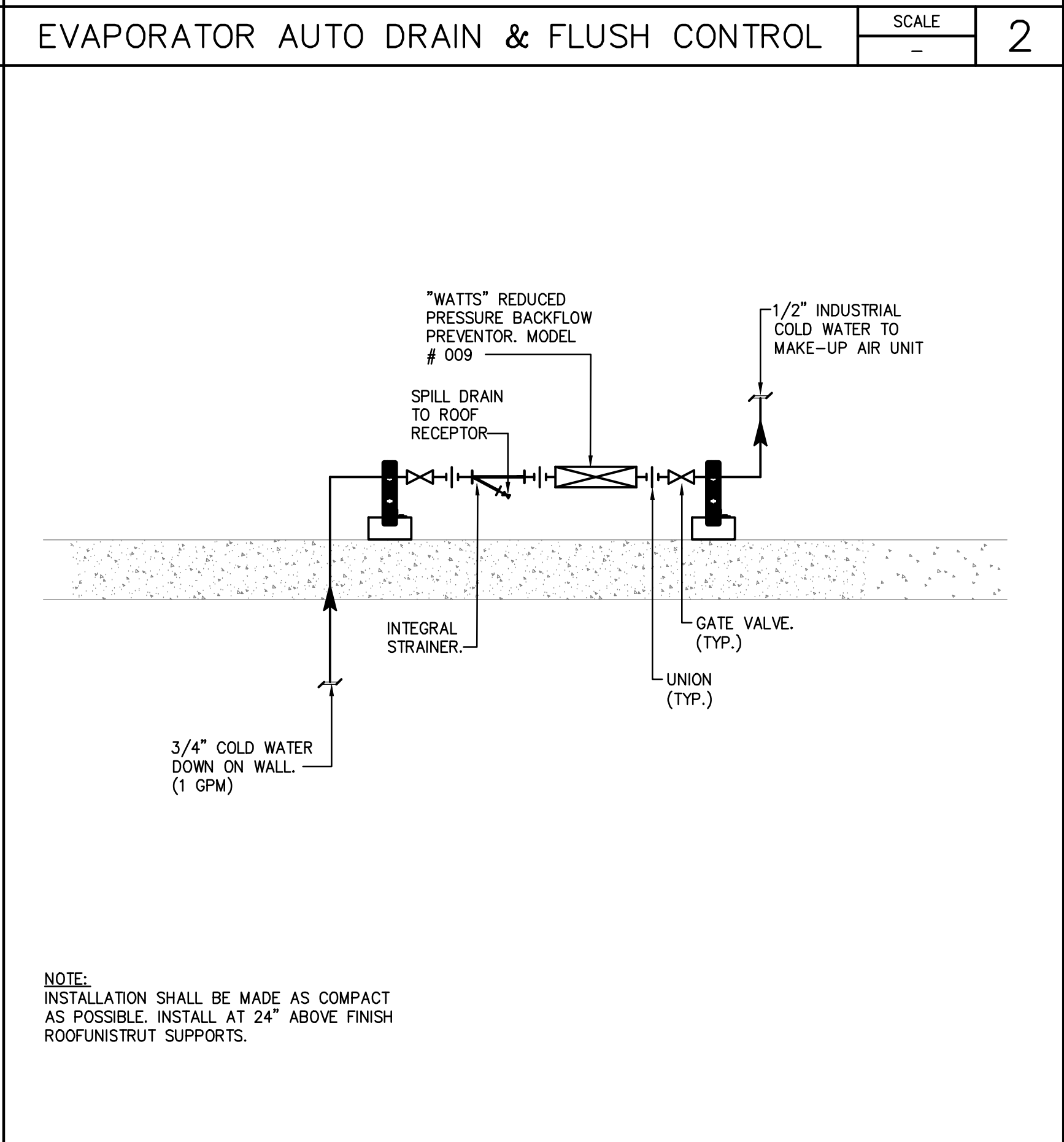
SCALE: 12



SCALE: 9



SCALE: 6



SCALE: 3



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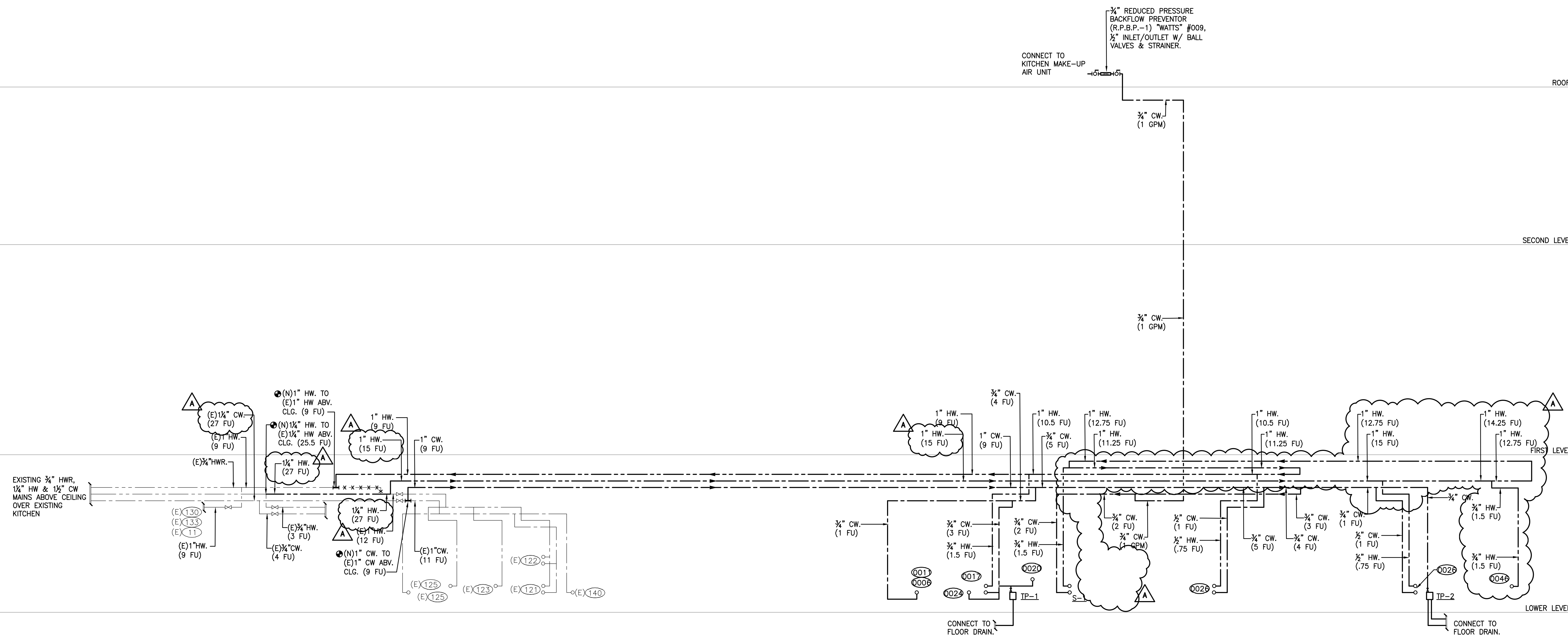
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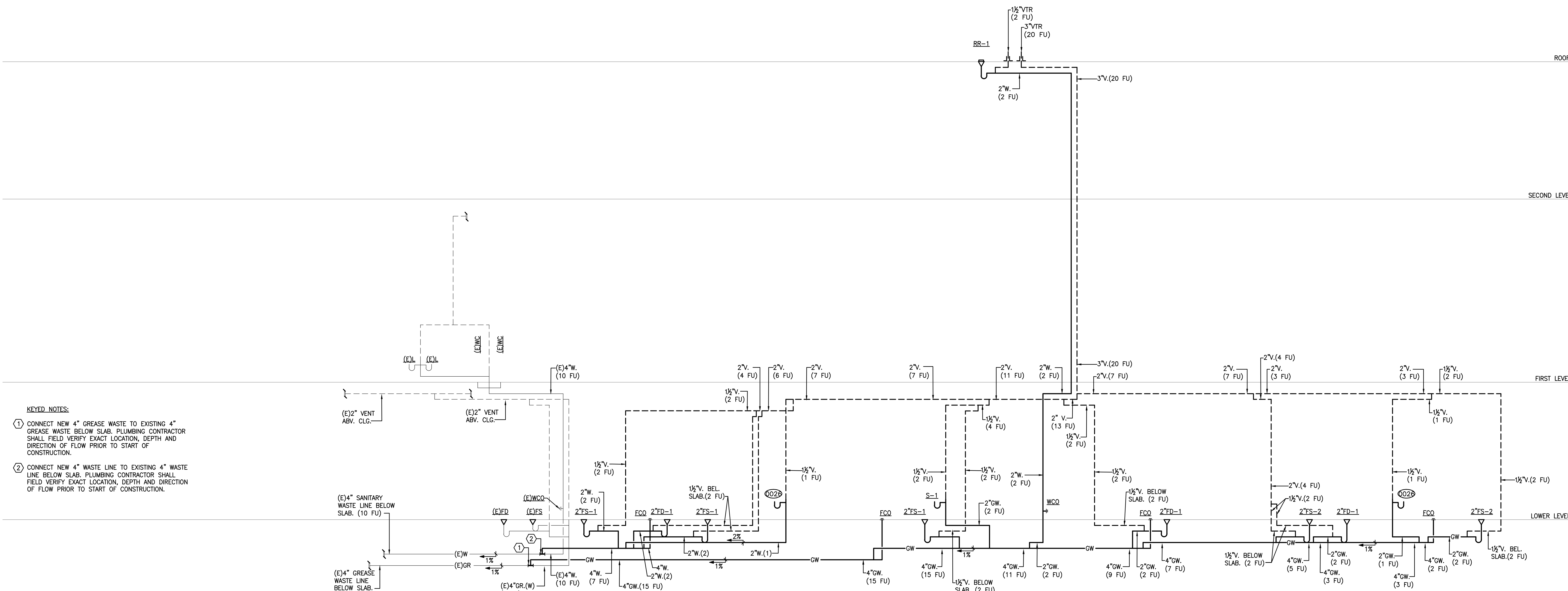
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DIAGRAMS



HOT AND COLD WATER DIAGRAM

SCALE NONE 2



WASTE & VENT RISER DIAGRAM

SCALE NONE 1

- KEYED NOTES:**
- CONNECT NEW 4" GREASE WASTE TO EXISTING 4" GREASE WASTE BELOW SLAB. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, DEPTH AND DIRECTION OF FLOW PRIOR TO START OF CONSTRUCTION.
 - CONNECT NEW 4" WASTE LINE TO EXISTING 4" WASTE LINE BELOW SLAB. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, DEPTH AND DIRECTION OF FLOW PRIOR TO START OF CONSTRUCTION.



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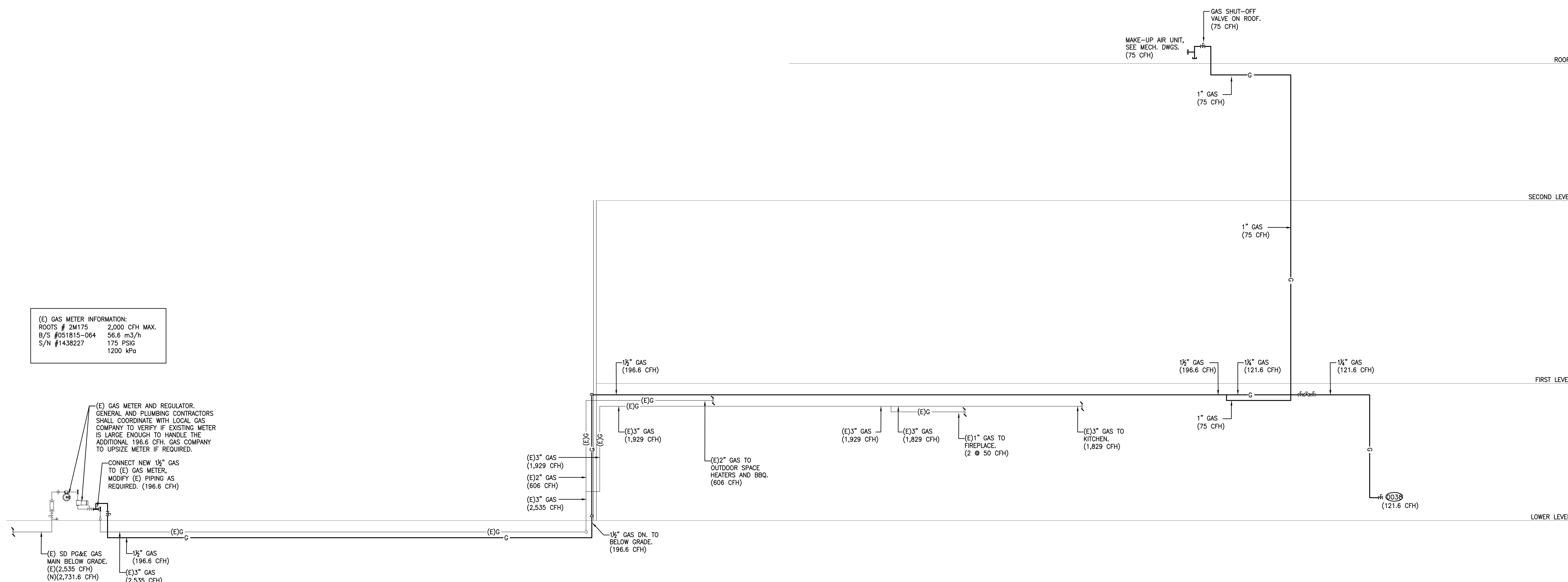


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RISER DIAGRAMS -
 HOT & COLD
 WATER

NOT USED

SCALE NONE 2



(E) GAS METER INFORMATION:
 ROOTS # 2M175 2,000 CFH MAX.
 B/S #051815-064 56.6 m3/h
 S/N #1438227 175 PSIG
 1200 KPa

GAS RISER DIAGRAM

SCALE NONE 1