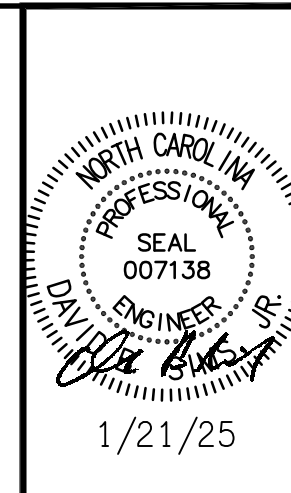


  
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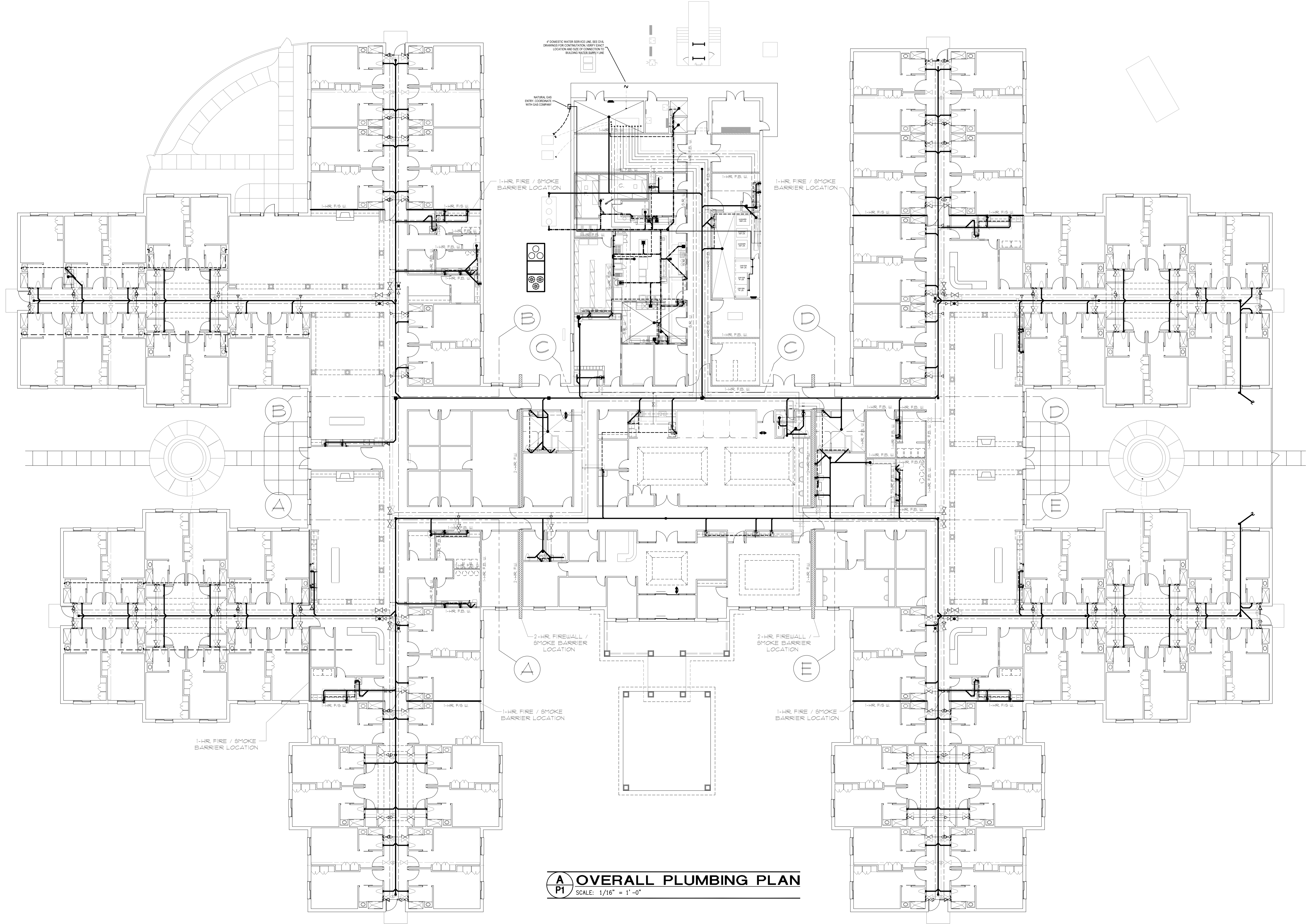
**LIBERTY COMMONS**  
**OF BRIAR CHAPEL**  
 Chatham County, North Carolina

**David R. Polston - Architect**  
 3806 Park Ave, Suite 2-L, Wilmington, NC 28403  
 Architecture Planning Design

**138 BED FACILITY**

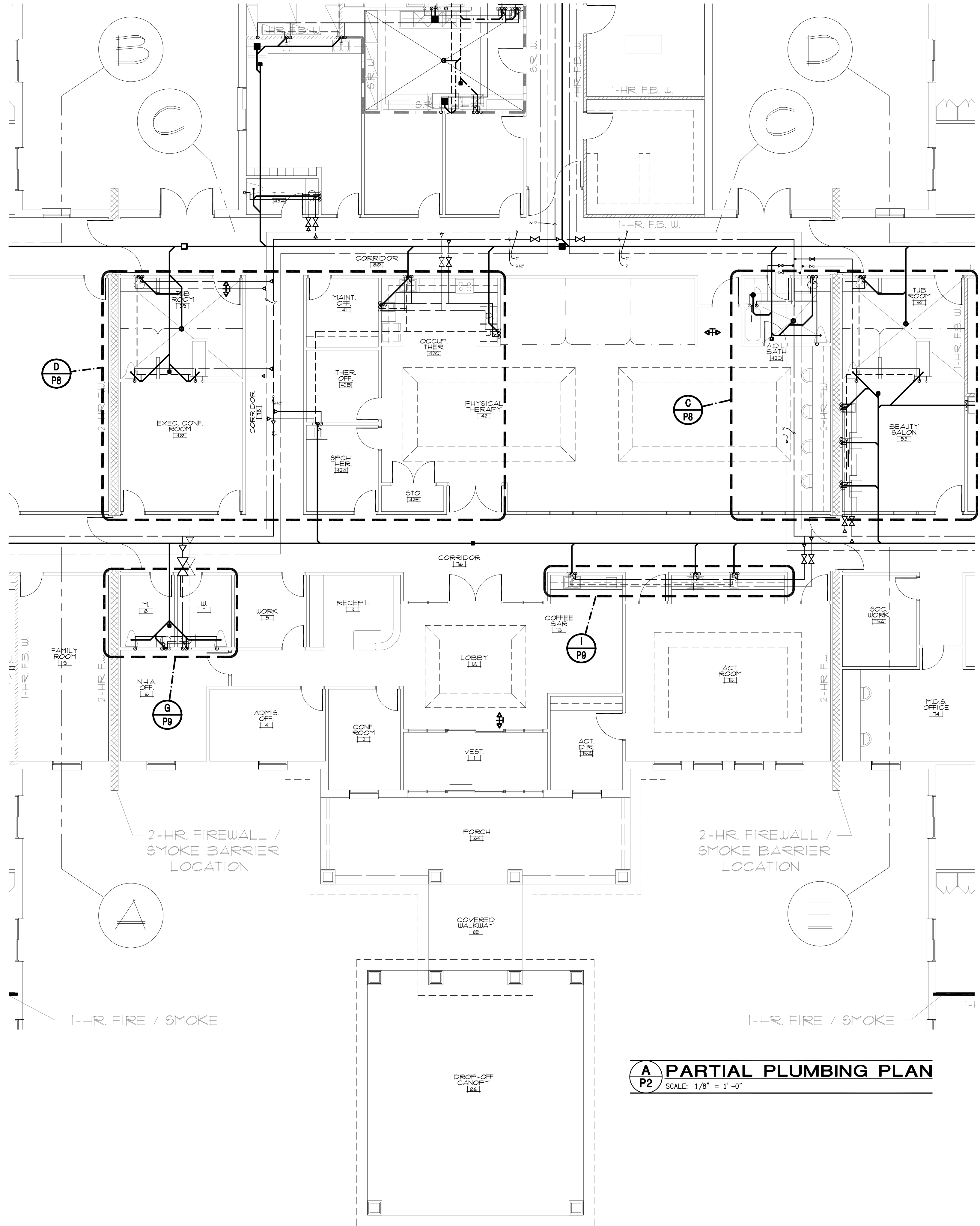
  


DSA #24119

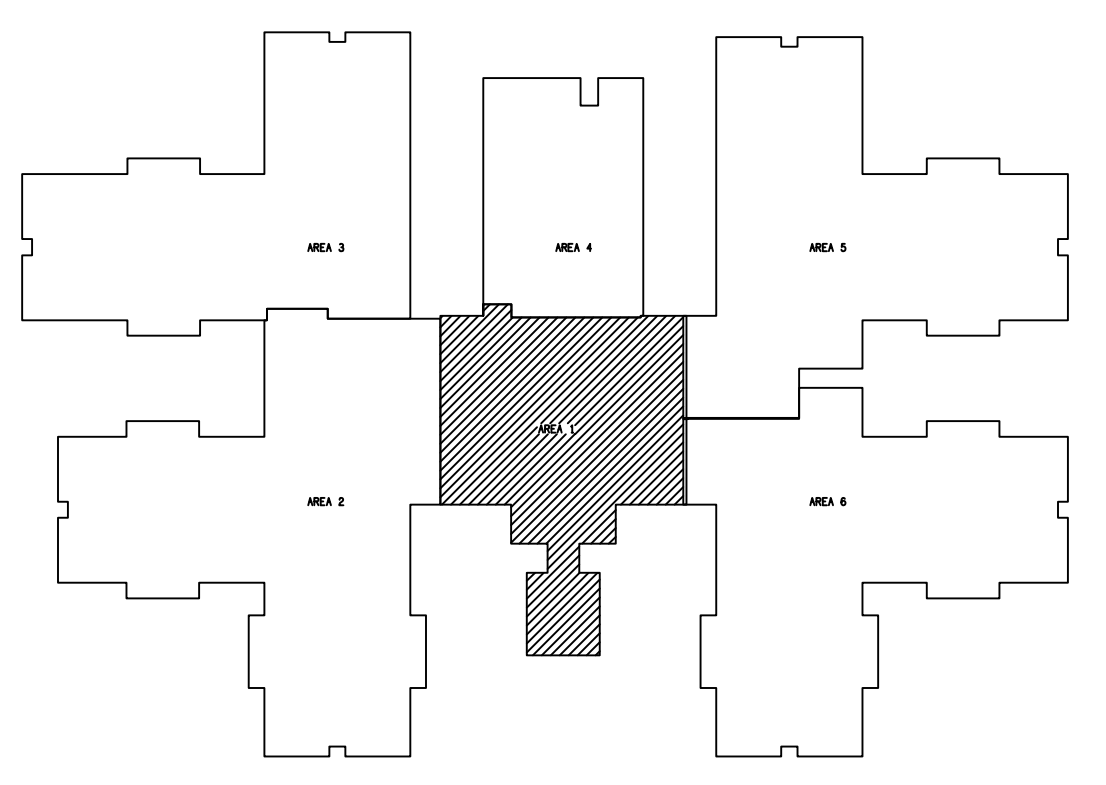


symbol	date	description	by
REVISIONS			

TIME: 8:50 DATE: 01/21/2025 DRAWING LOCATION: F:\PROJECTS\2024\024119\1-01.plt\dwg-see.dwg



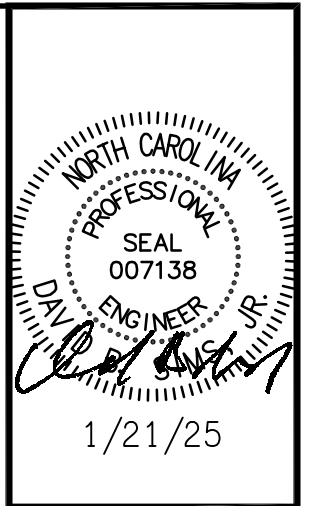
**A P2 PARTIAL PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**

symbol	date	description	by
REVISIONS			

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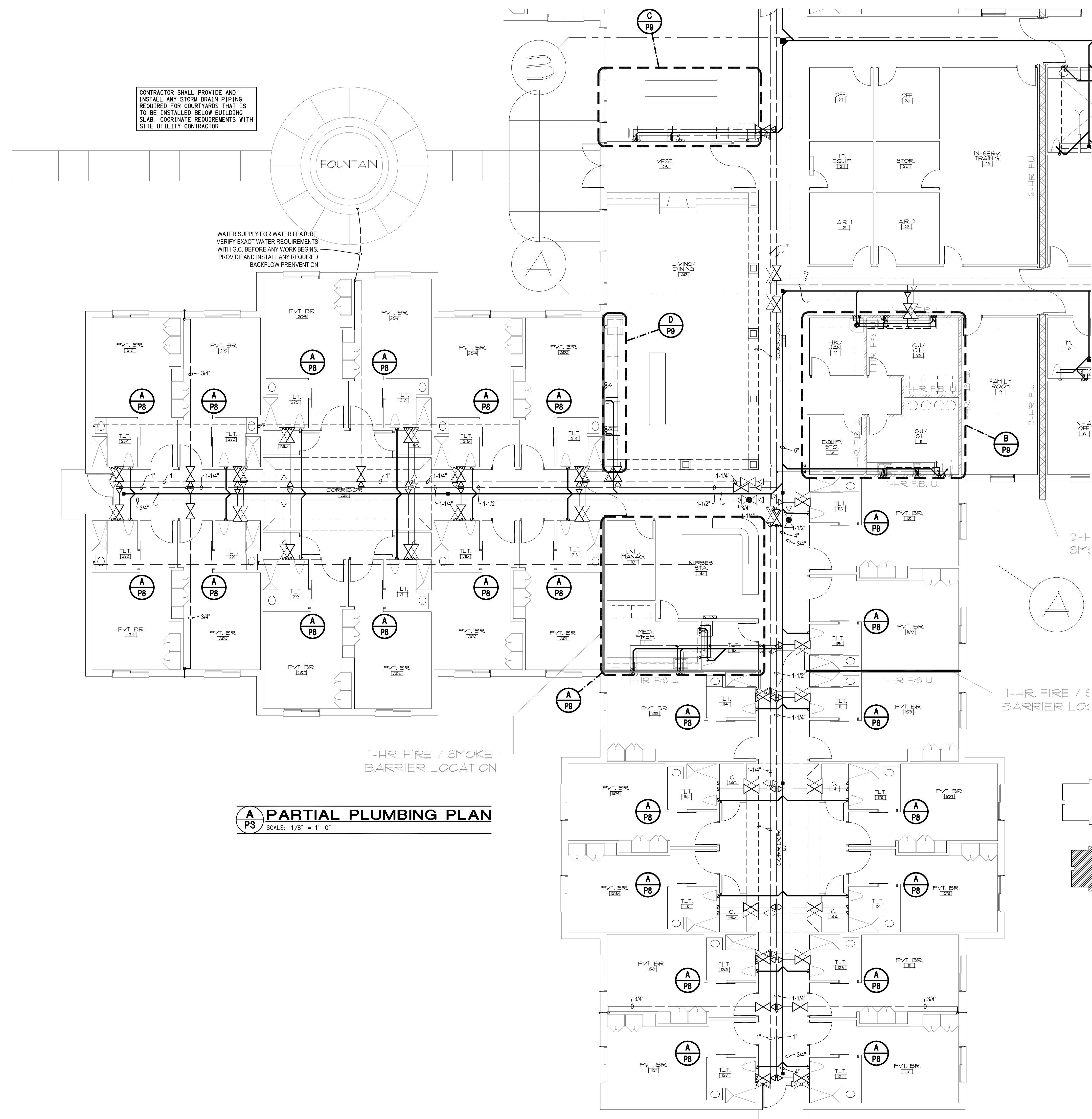
**David R. Polston - Architect**  
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**138 BED FACILITY**

**27**

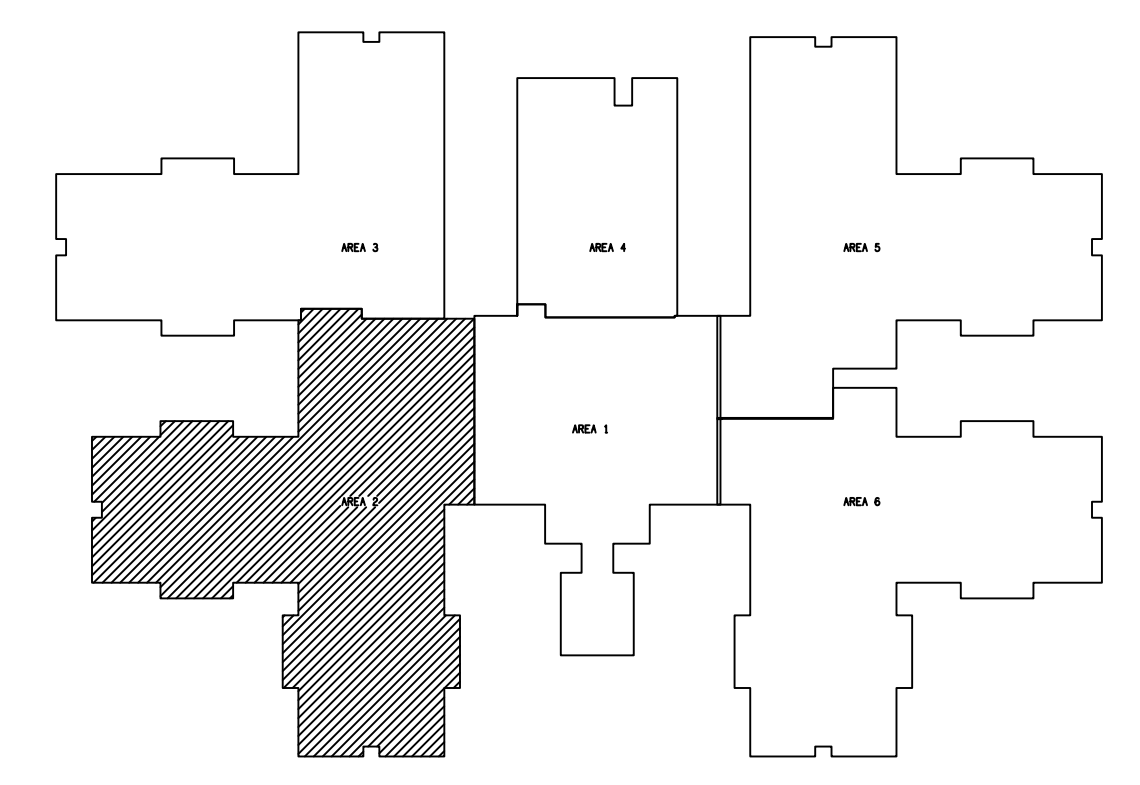
CONTRACTOR SHALL PROVIDE AND INSTALL ANY STORM DRAIN PIPING REQUIRED FOR COURTYARDS THAT IS TO BE INSTALLED BELOW BUILDING SLAB. COORDINATE REQUIREMENTS WITH SITE UTILITY CONTRACTOR

WATER SUPPLY FOR WATER FEATURE. VERIFY EXACT WATER REQUIREMENTS WITH G.C. BEFORE ANY WORK BEGINS. PROVIDE AND INSTALL ANY REQUIRED BACKFLOW PREVENTION



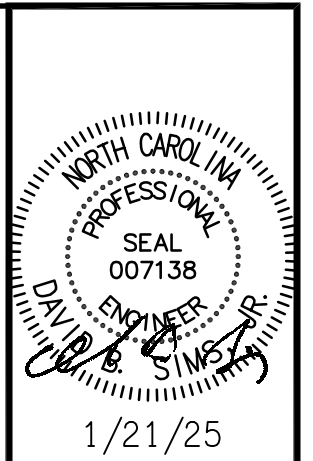
1-HR FIRE / SMOKE BARRIER LOCATION

**A PARTIAL PLUMBING PLAN**  
 P3 SCALE: 1/8" = 1'-0"



**KEY PLAN**

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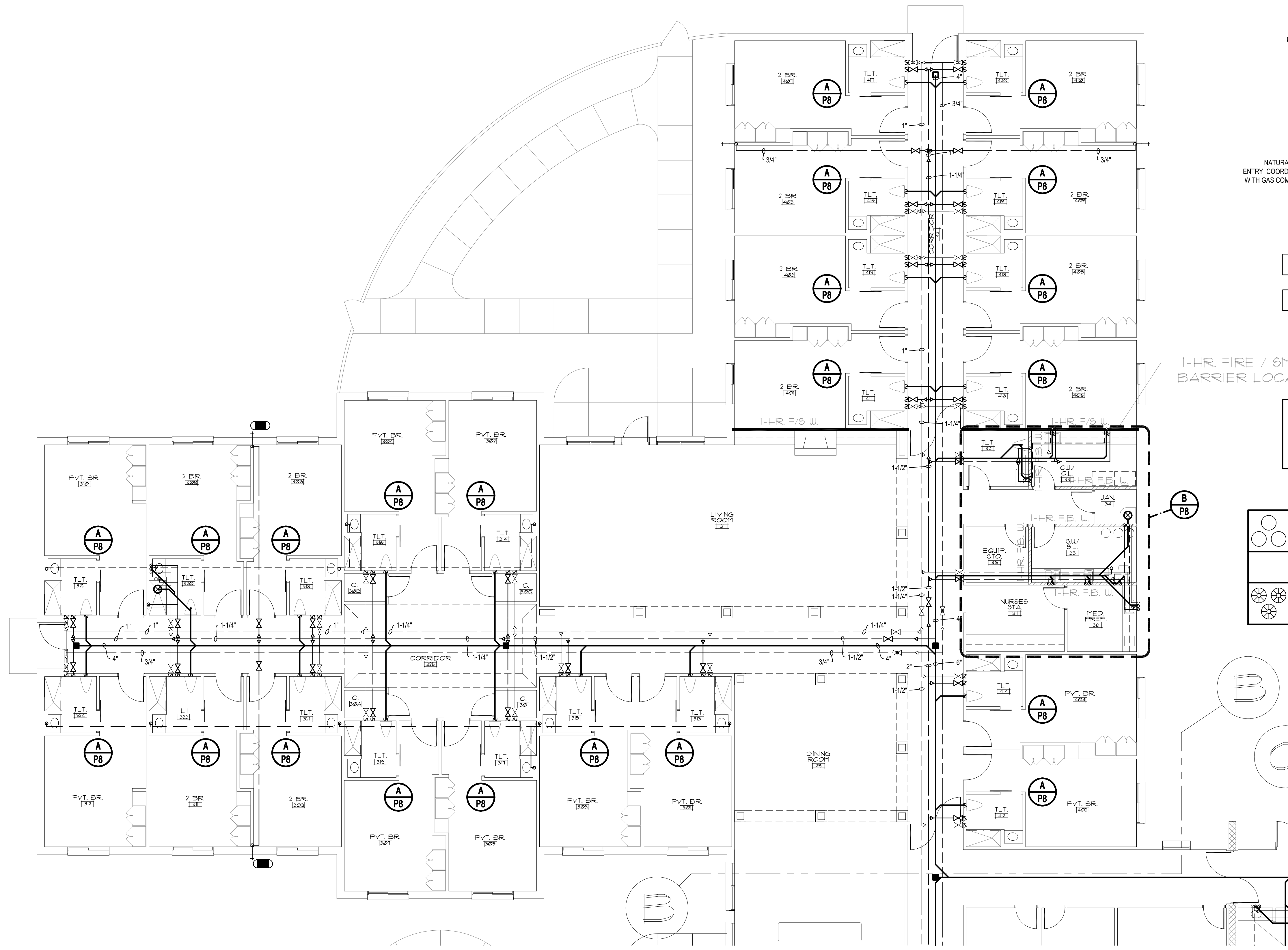
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**138 BED FACILITY**

**33**

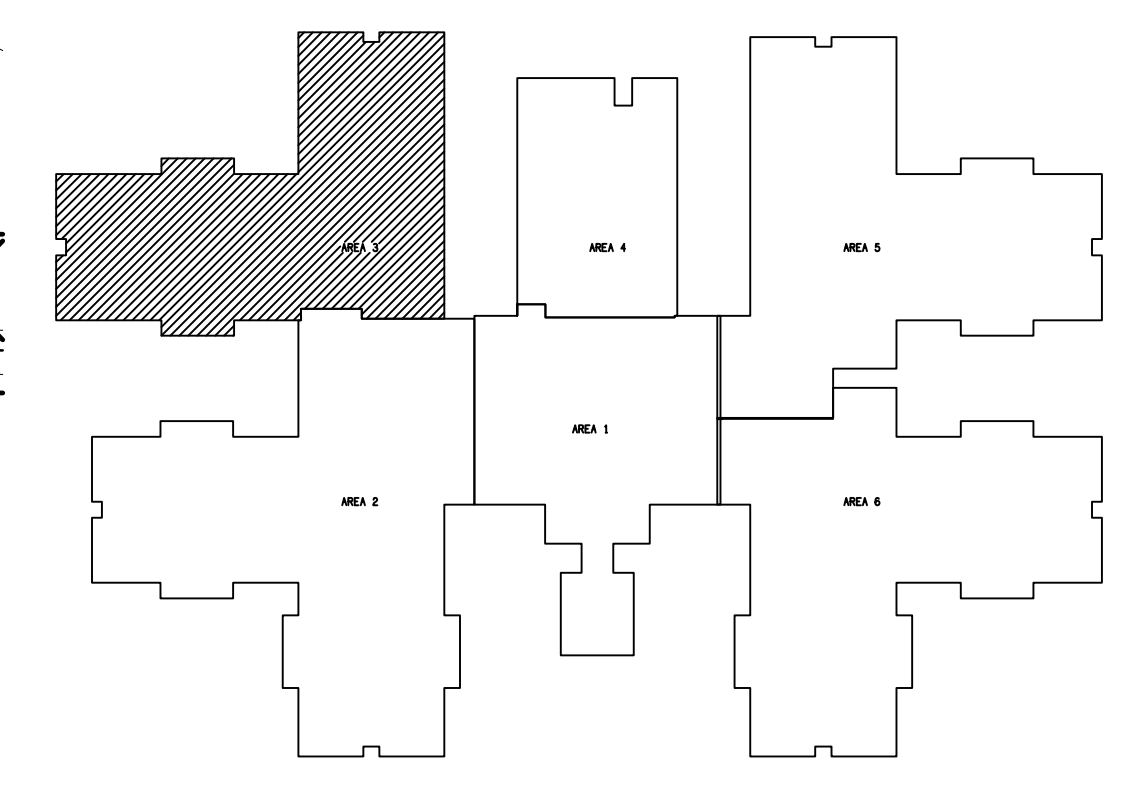
symbol	date	description	by
REVISIONS			



NATURA  
ENTRY COORD  
WITH GAS COV

1-HR. FIRE / ST  
BARRIER LOC.

**A**  
**P4** PARTIAL PLUMBING PLAN  
SCALE: 1/8" = 1'-0"



**KEY PLAN**

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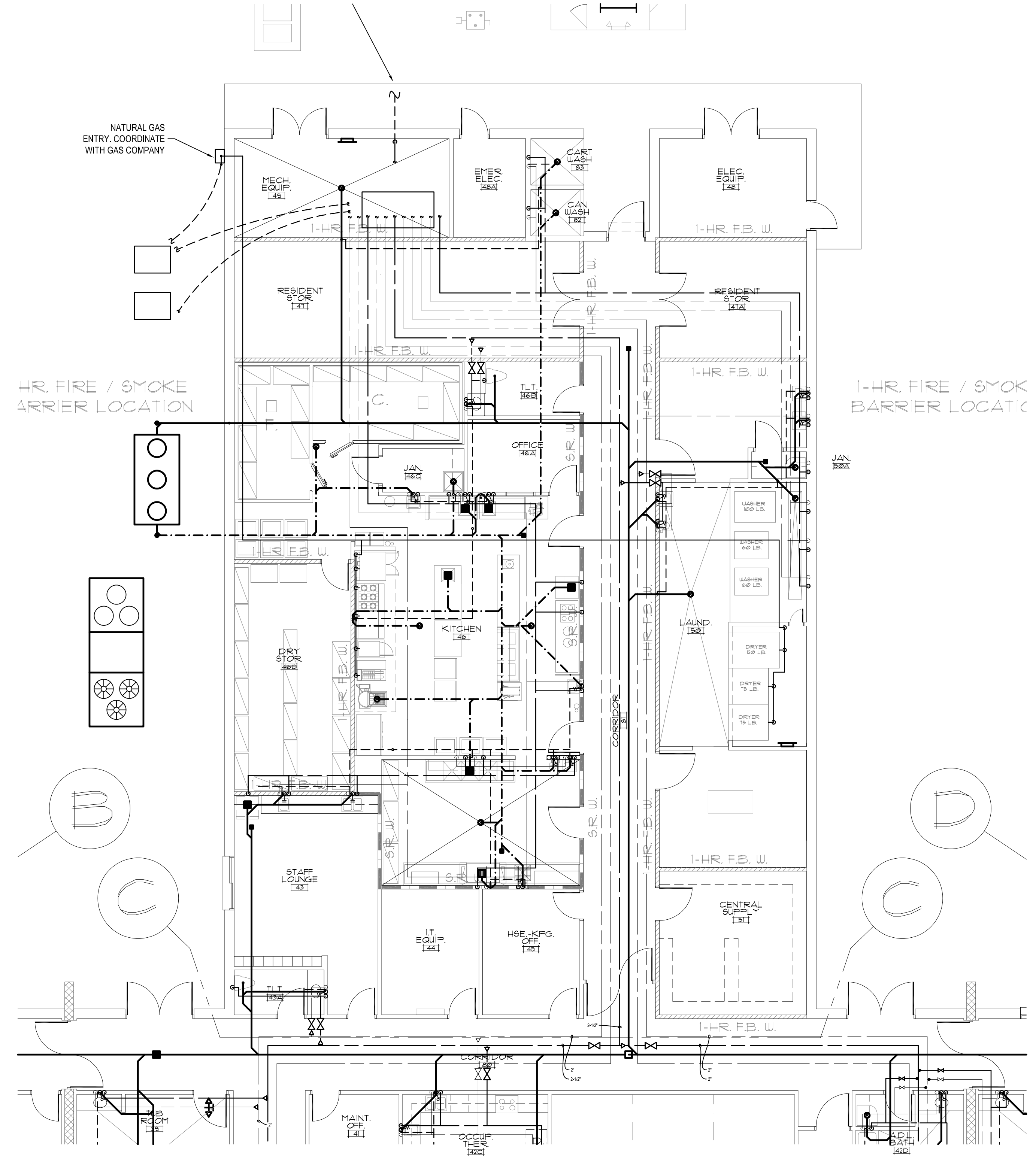
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SEAL  
ENGINEER  
1/21/25

**LIBERTY COMMONS**  
**OF BRIAR CHAPEL**  
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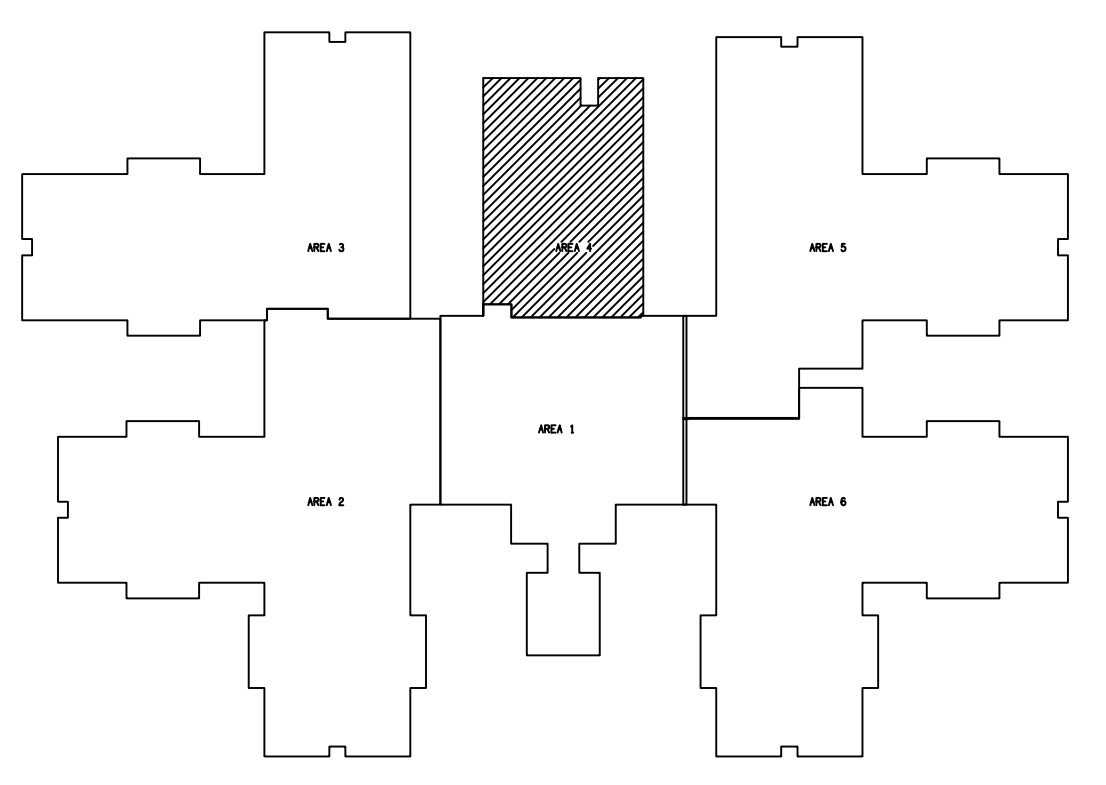
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FACILITY

**P**  
**4**

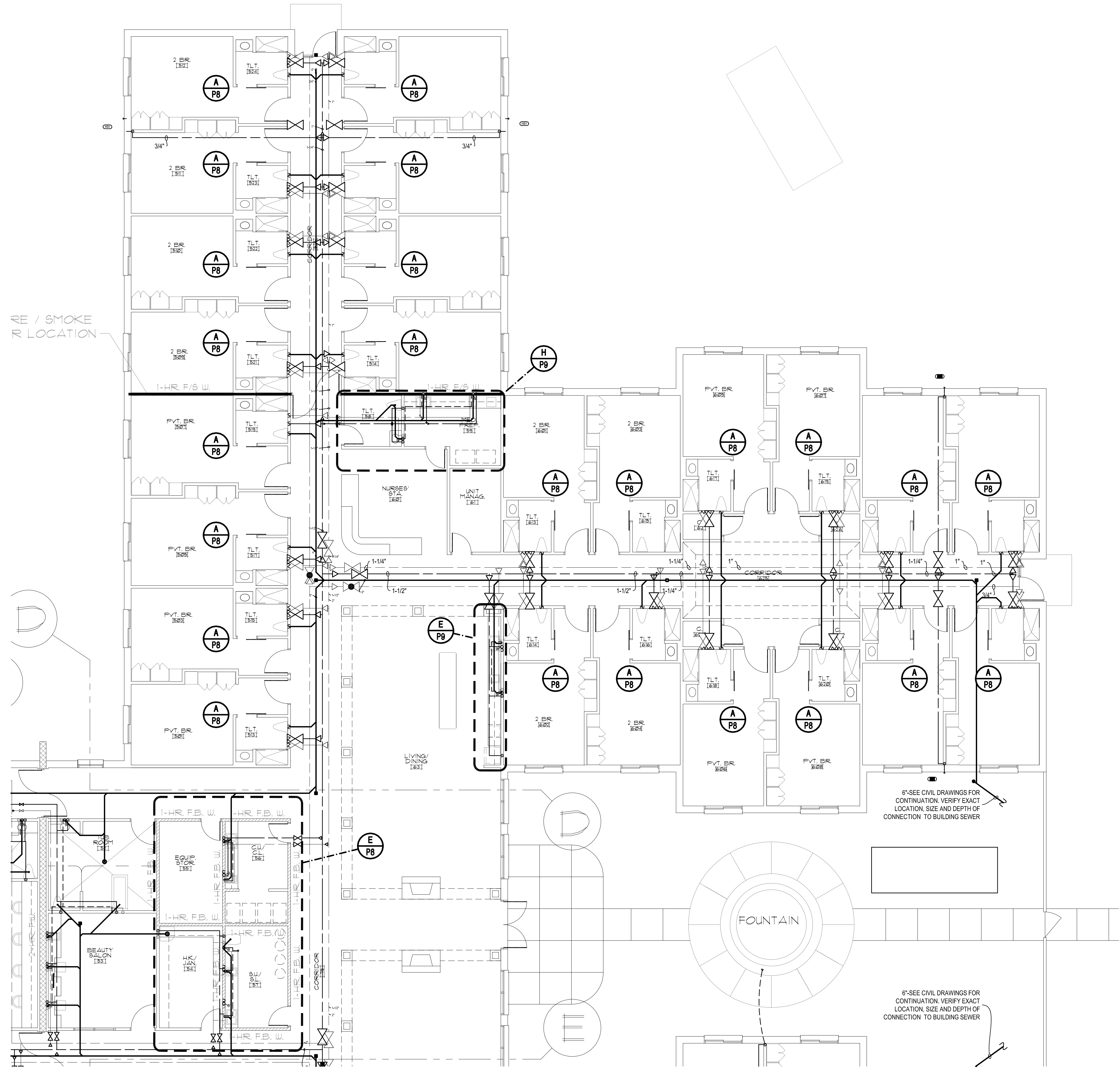


**A PARTIAL PLUMBING PLAN**  
P5 SCALE: 1/8" = 1'-0"



**KEY PLAN**

symbol	date	description	by
REVISIONS			

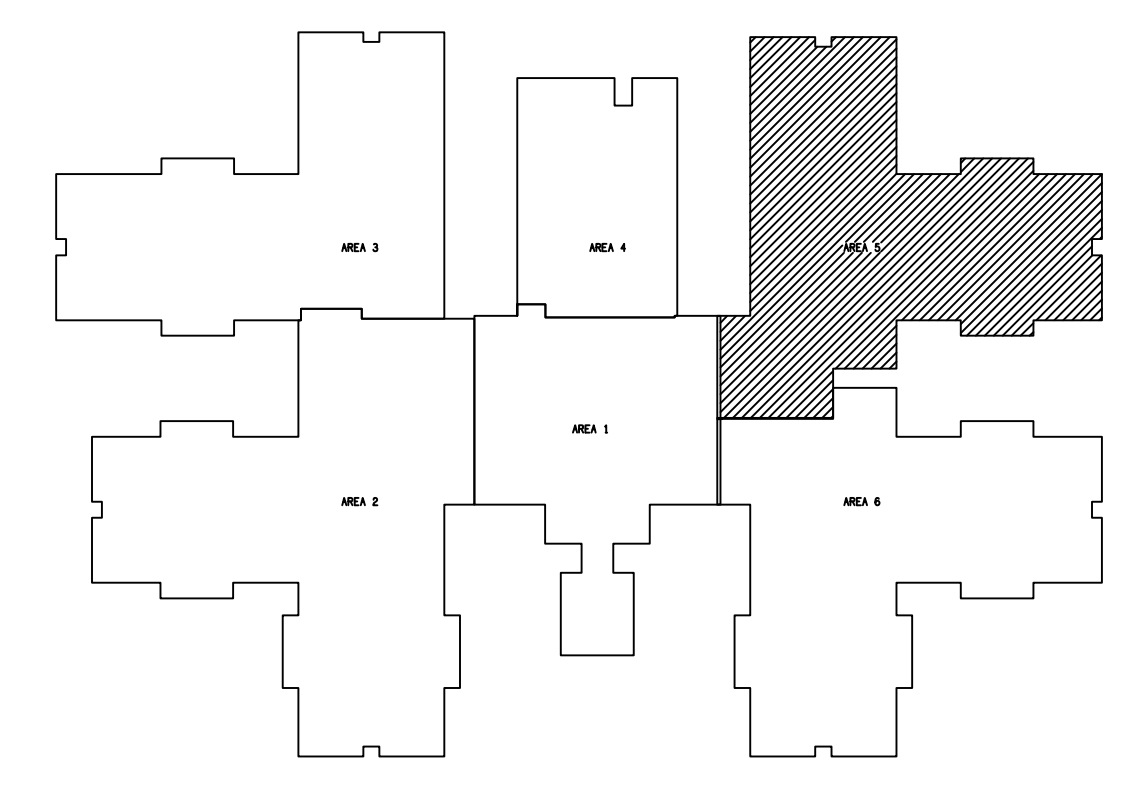


RE / SMOKE  
R LOCATION

6\"/>

6\"/>

**A PARTIAL PLUMBING PLAN**  
P8 SCALE: 1/8\"/>



**KEY PLAN**

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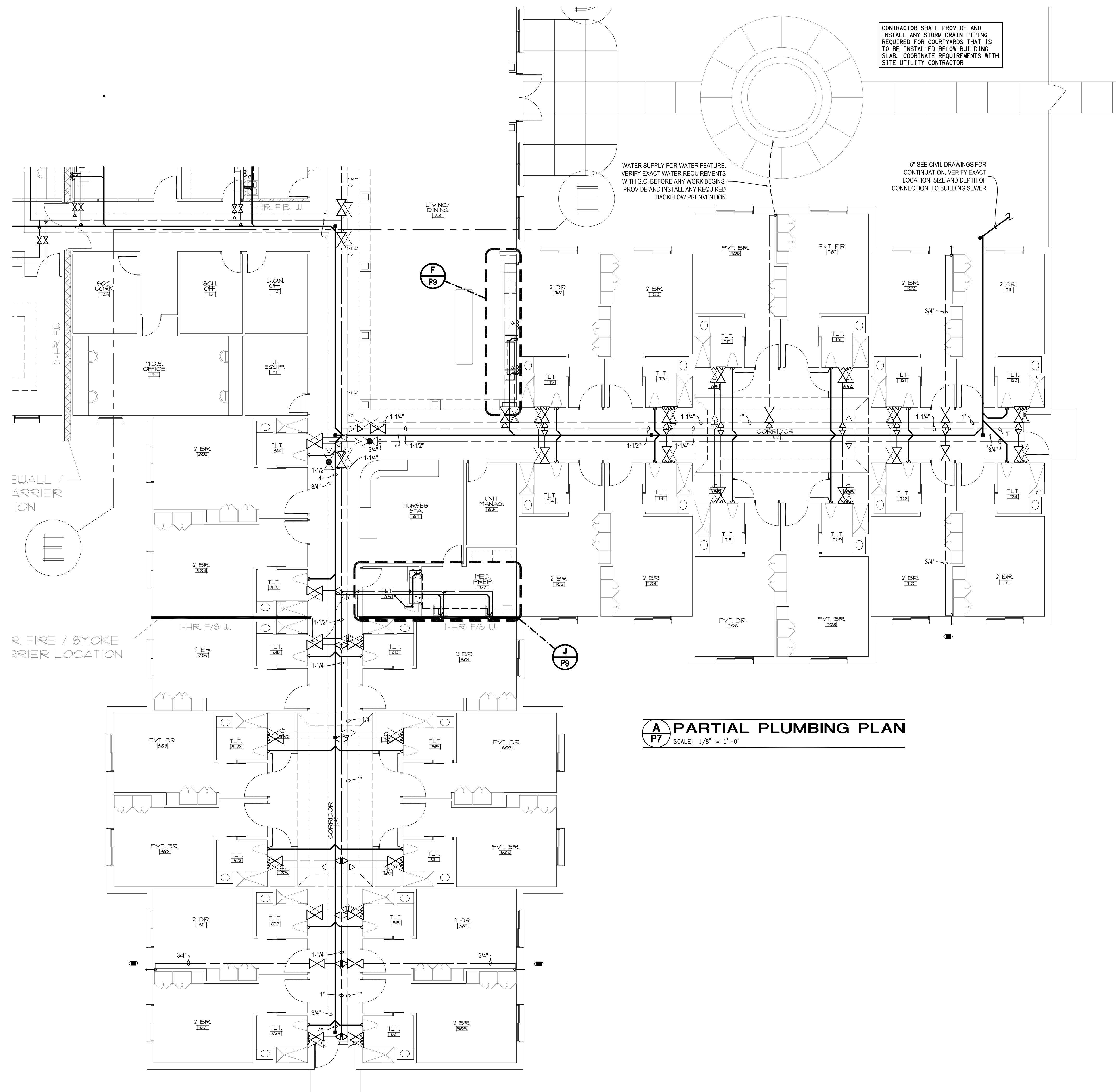
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FACILITY**

**6 P**

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REVISIONS			

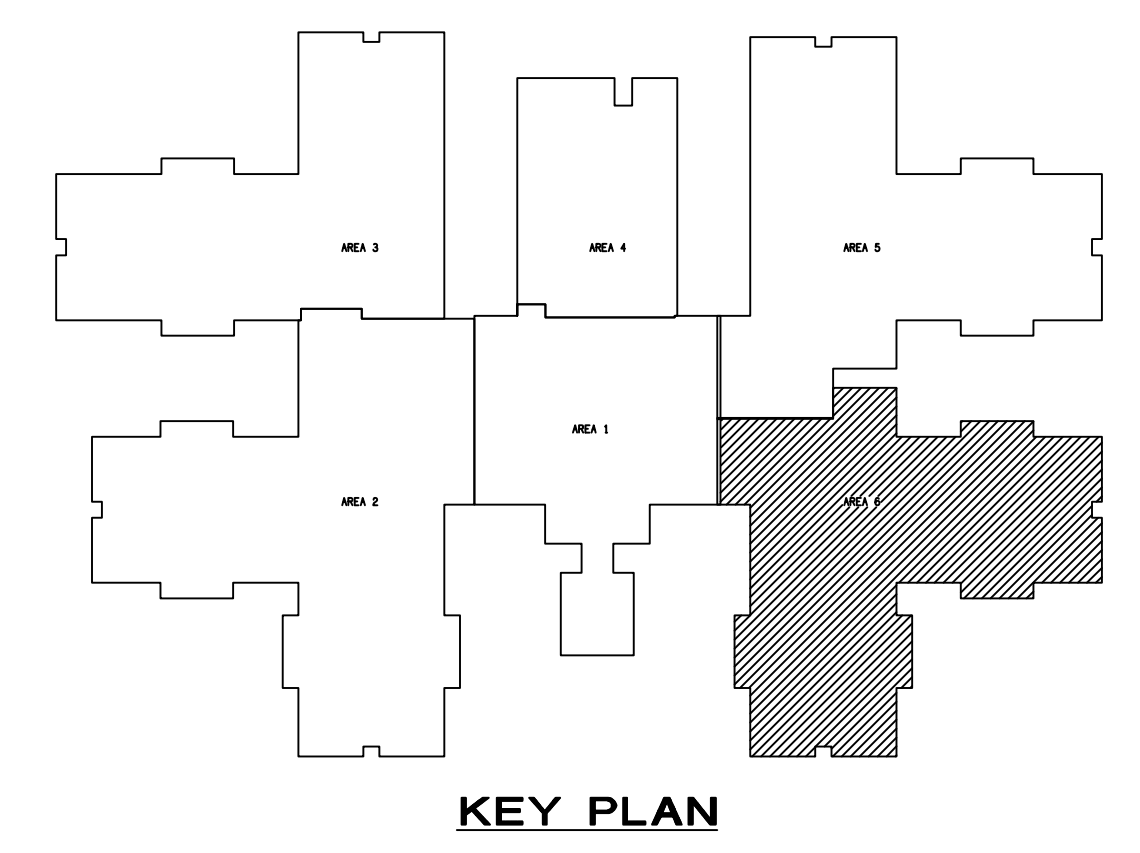


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TO BE INSTALLED BELOW BUILDING  
SLAB. COORDINATE REQUIREMENTS WITH  
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WATER SUPPLY FOR WATER FEATURE.  
VERIFY EXACT WATER REQUIREMENTS  
WITH G.C. BEFORE ANY WORK BEGINS.  
PROVIDE AND INSTALL ANY REQUIRED  
BACKFLOW PREVENTION

6"-SEE CIVIL DRAWINGS FOR  
CONTINUATION. VERIFY EXACT  
LOCATION, SIZE AND DEPTH OF  
CONNECTION TO BUILDING SEWER

**A PARTIAL PLUMBING PLAN**  
P7 SCALE: 1/8" = 1'-0"



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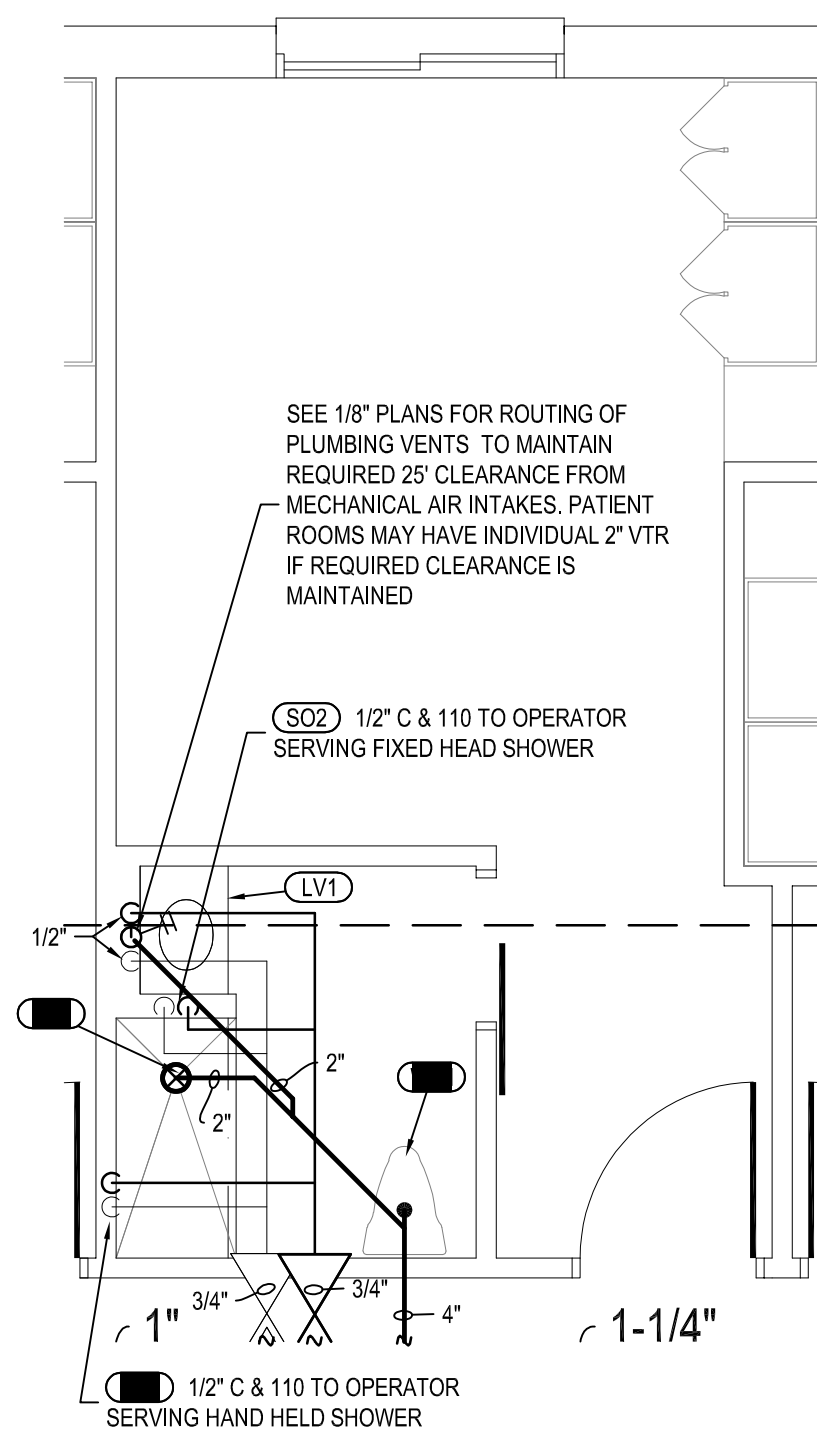
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PROFESSIONAL  
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1/21/25

**LIBERTY COMMONS**  
**OF BRIAR CHAPEL**  
Chatham County, North Carolina

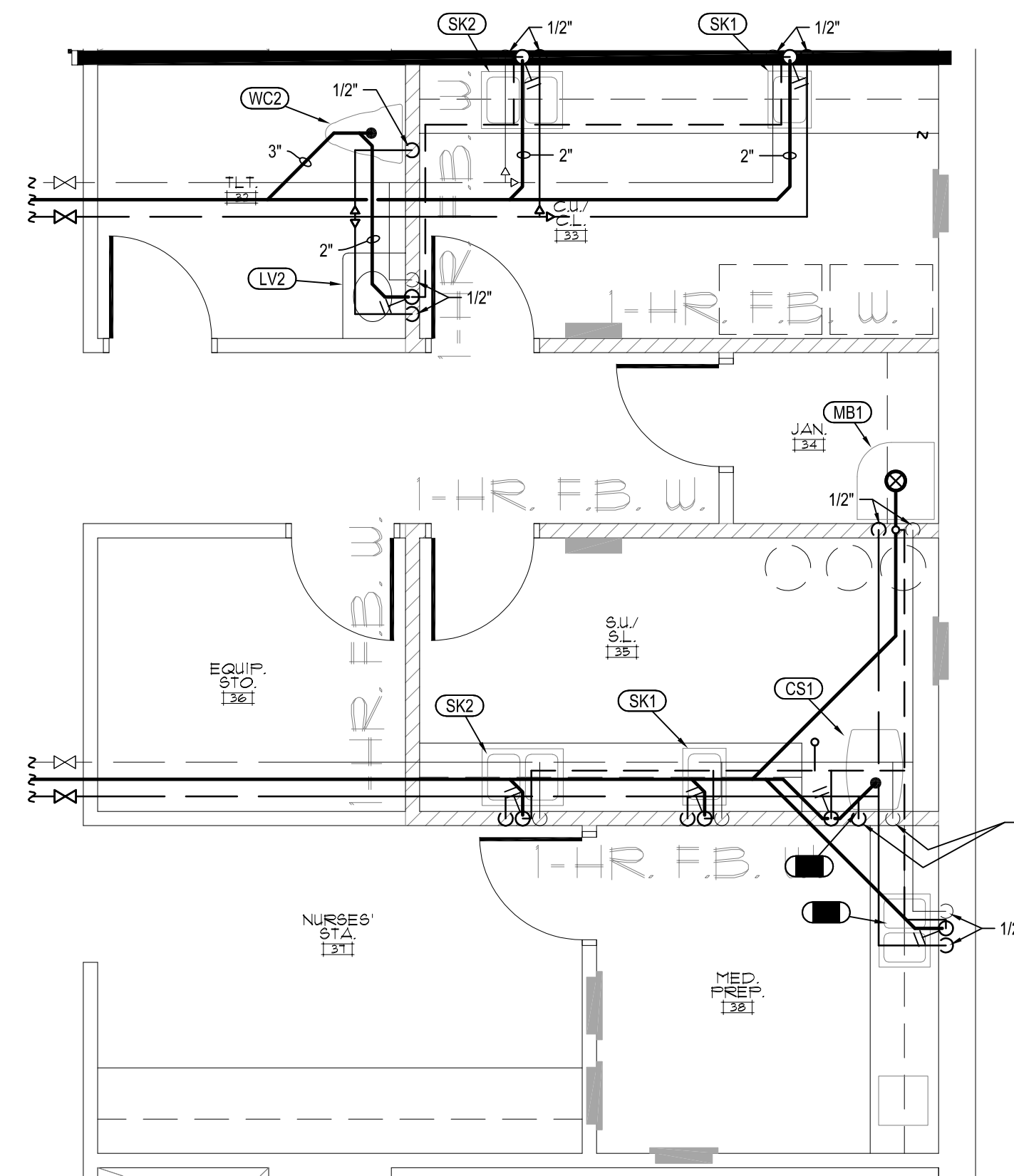
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**FACILITY**

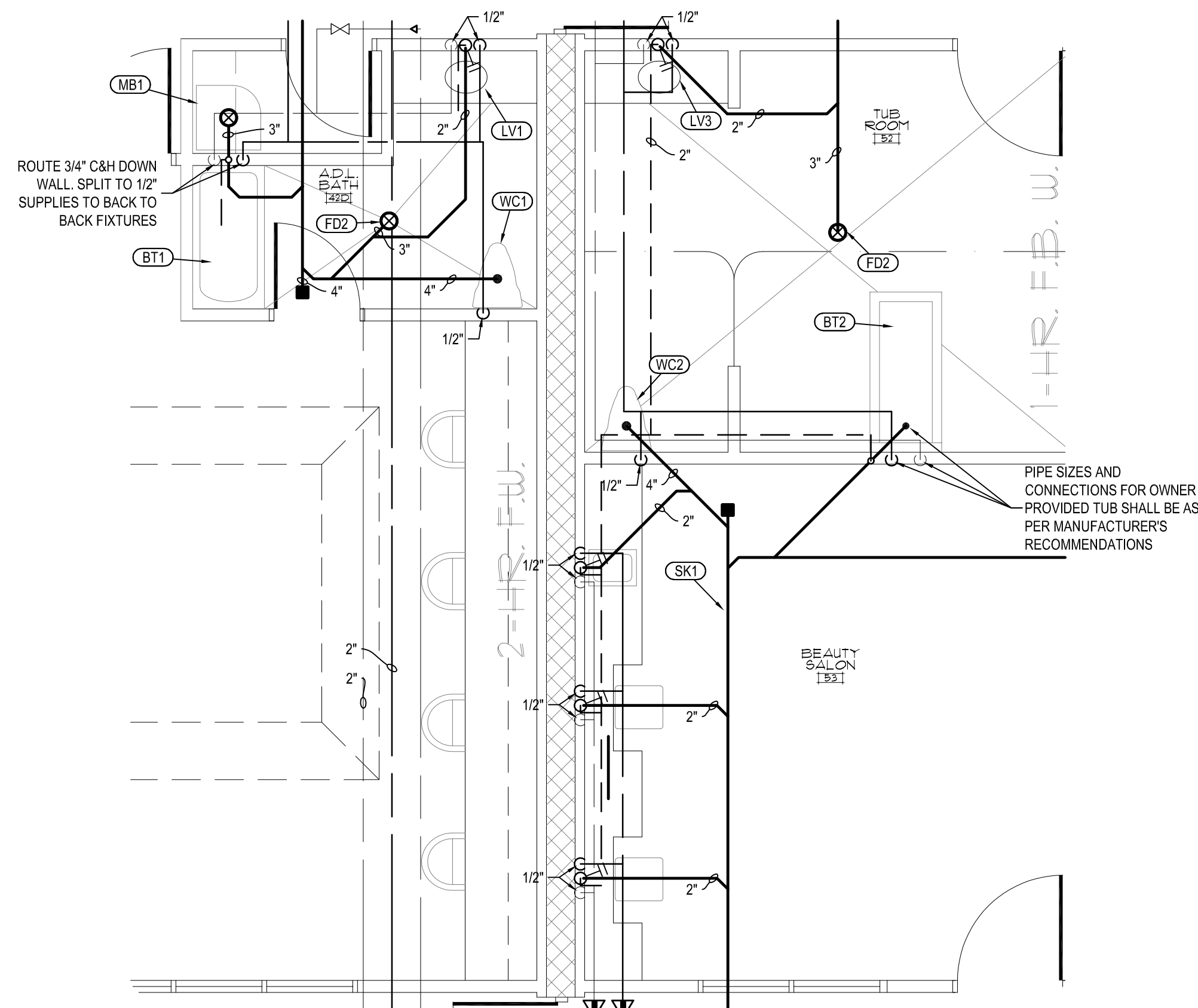
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**7**



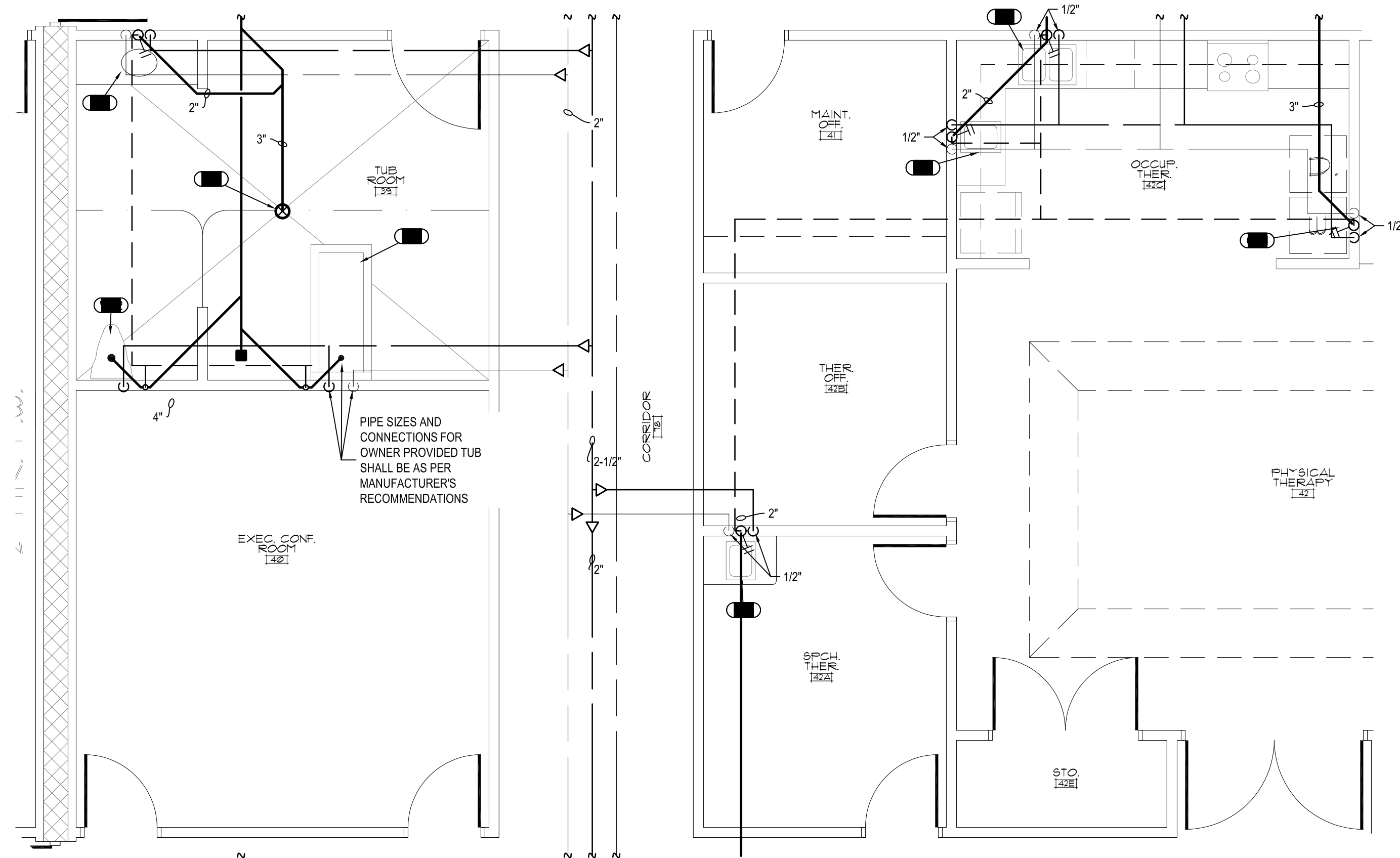
**A ENLARGED PLAN**  
 P8 SCALE: 1/4" = 1'-0"



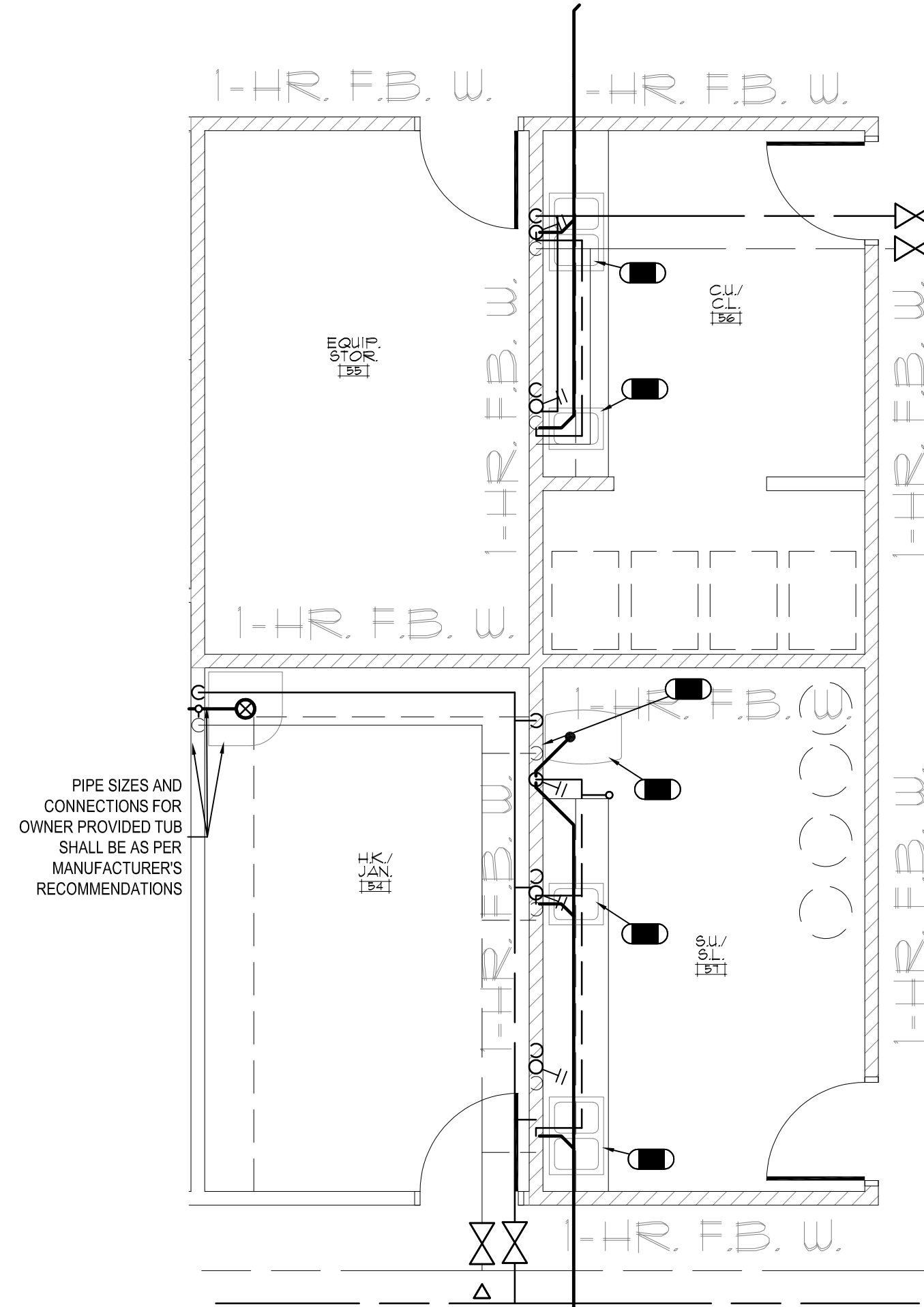
**B ENLARGED PLAN**  
 P8 SCALE: 1/4" = 1'-0"



**C ENLARGED PLAN**  
 P8 SCALE: 1/4" = 1'-0"

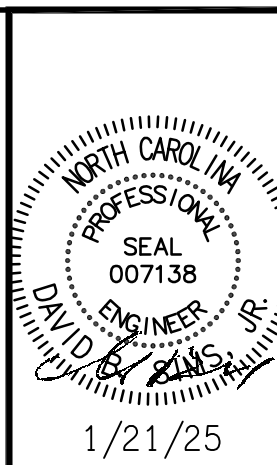


**D ENLARGED PLAN**  
 P8 SCALE: 1/4" = 1'-0"



**E ENLARGED PLAN**  
 P8 SCALE: 1/4" = 1'-0"

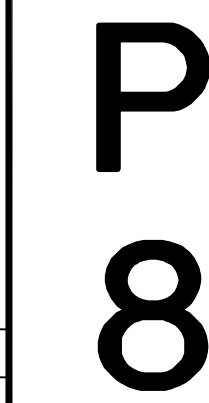
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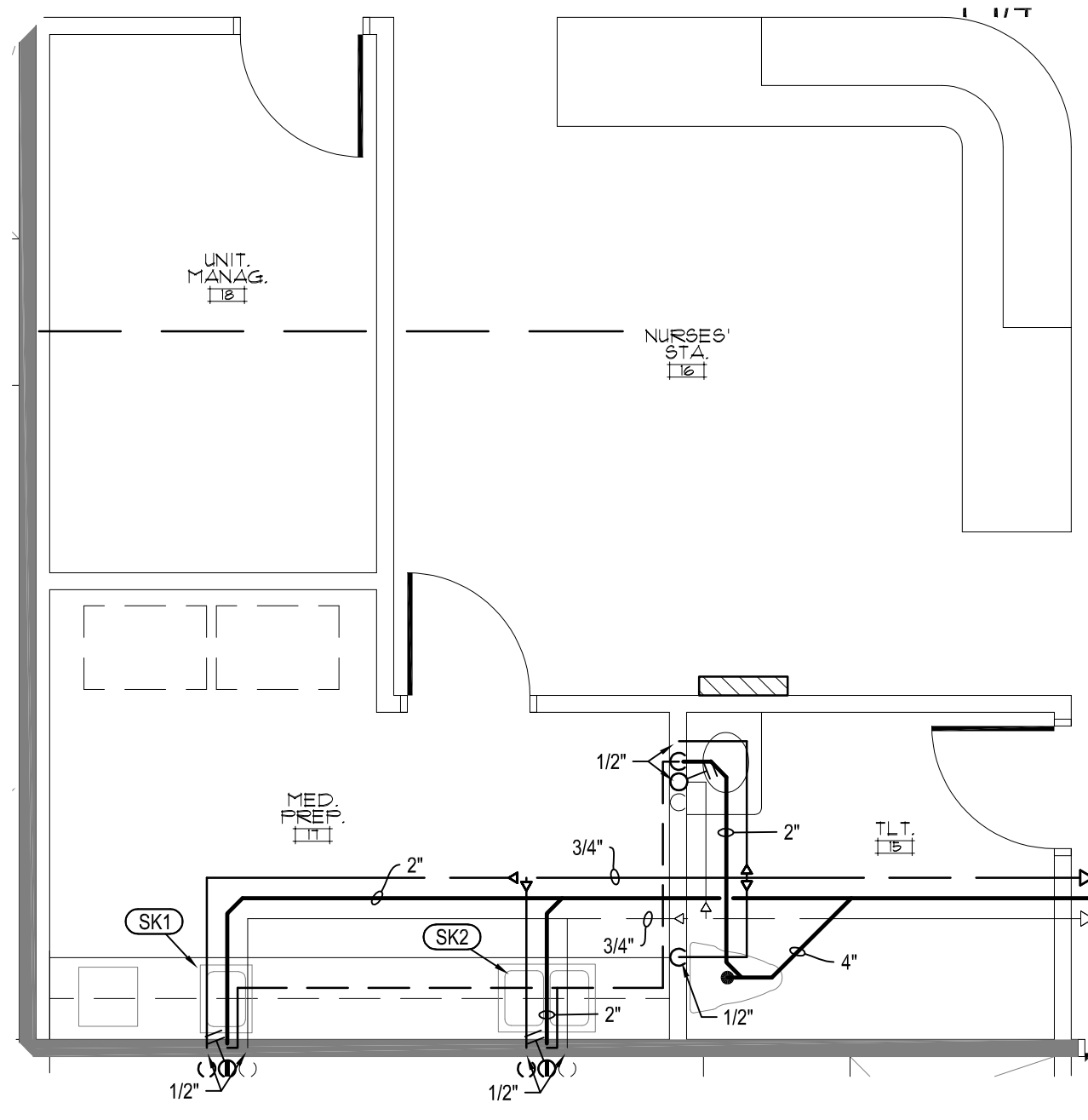
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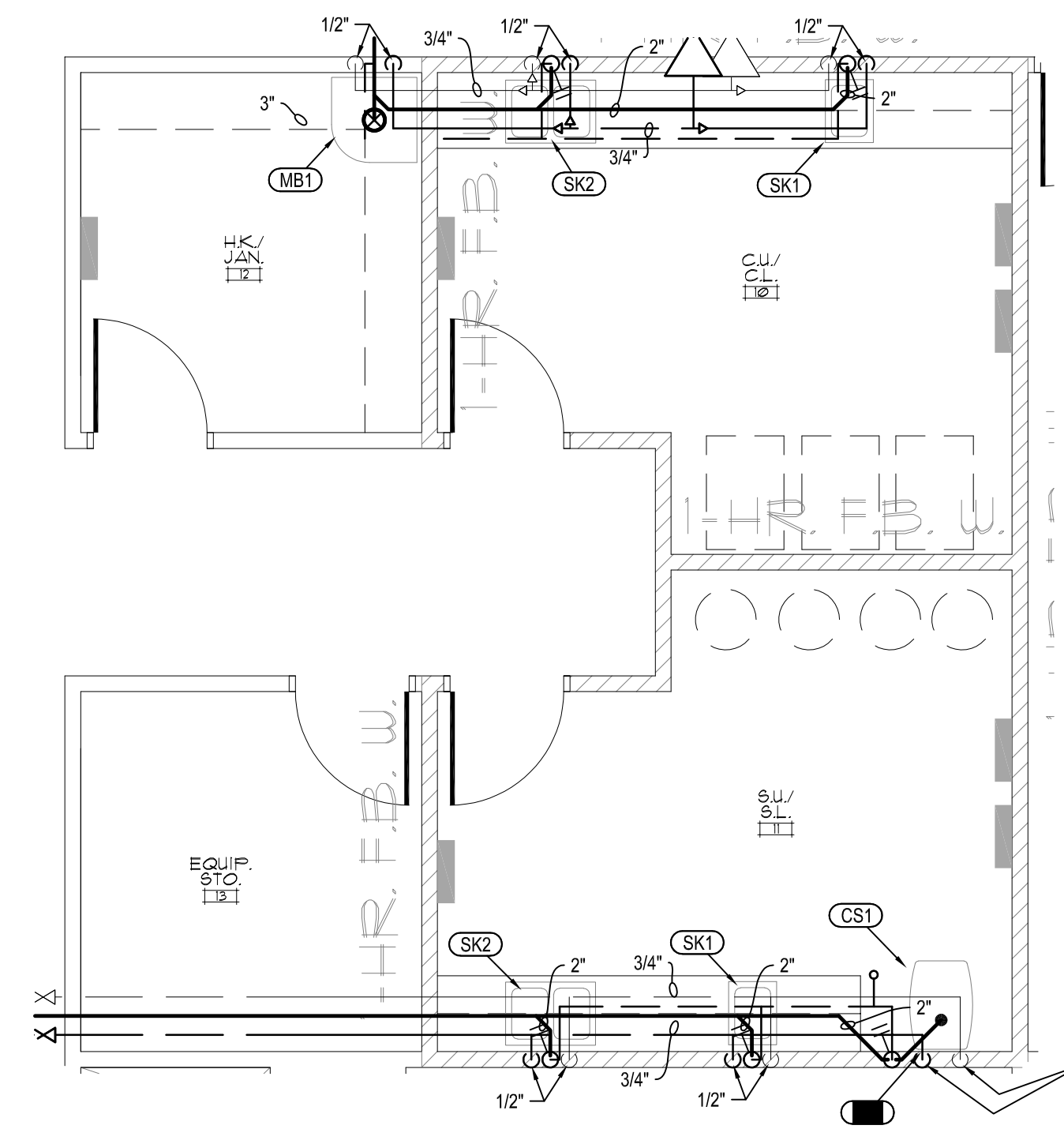


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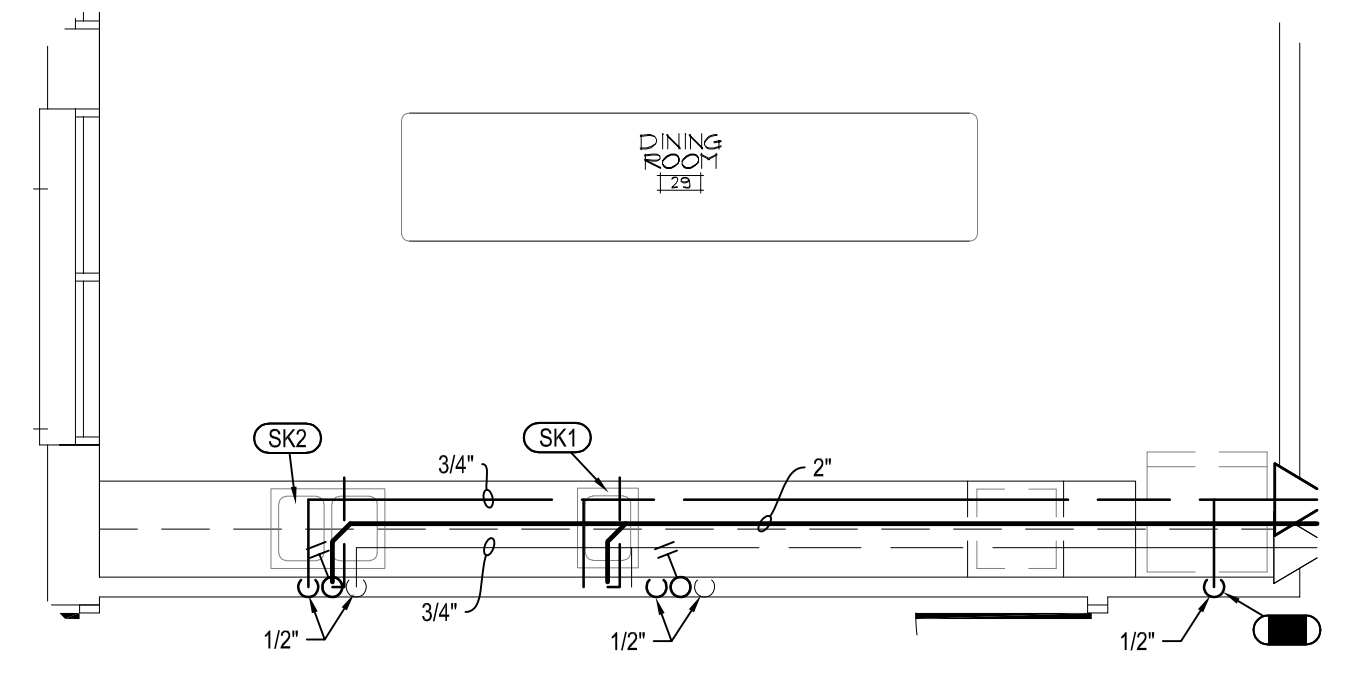


**A ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"

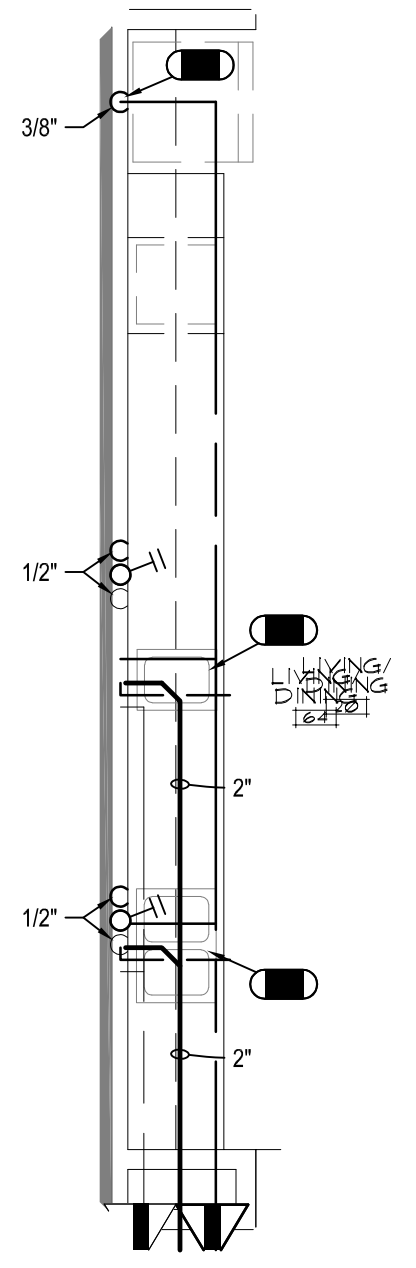


**B ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"

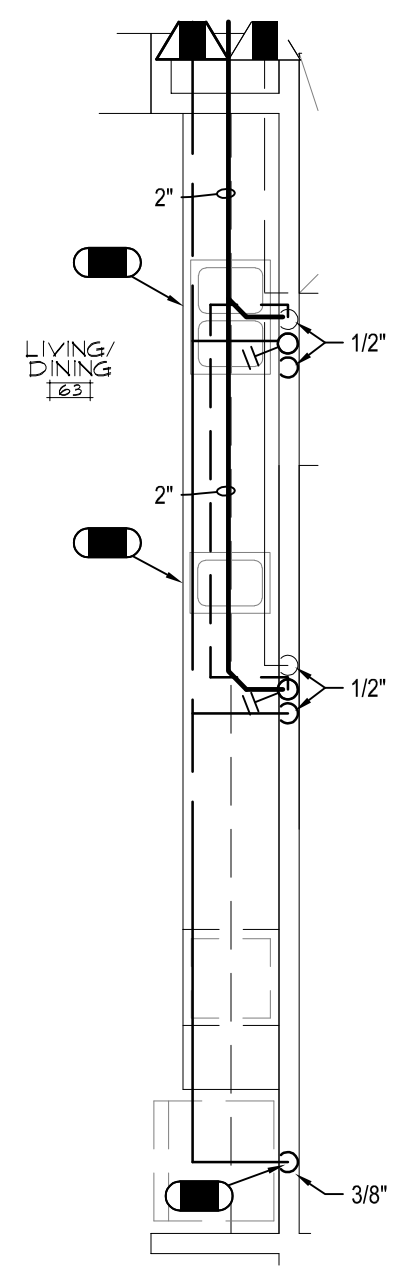
ROUTE 1-1/4" C & 3/4" 110 DOWN WALL AND SUPPLY AS SHOWN:  
 • 1/2" C & 1/2" 110 TO SPRAYER  
 • 1" C TO FLUSH VALVE  
 • 1/2" C & 1/2" 110 TO SERVICE FAUCET.



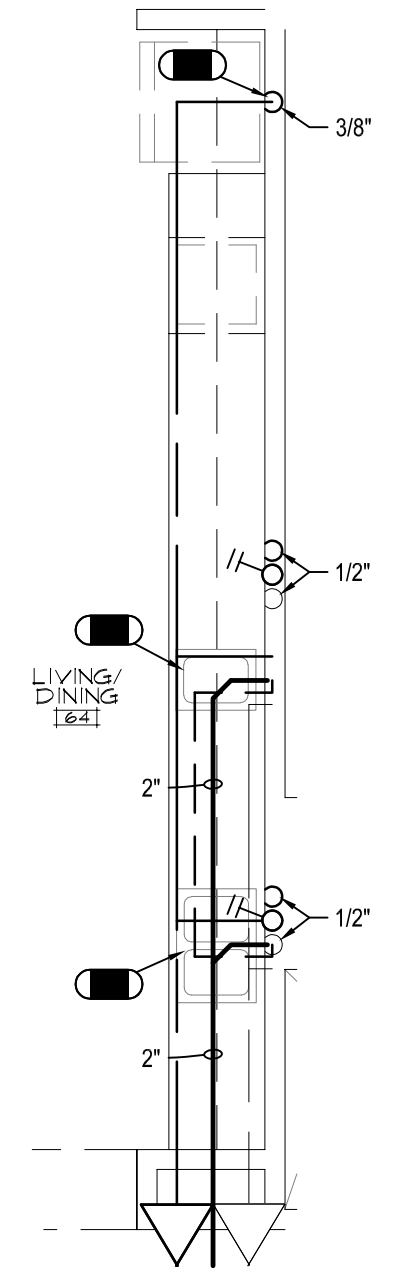
**C ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



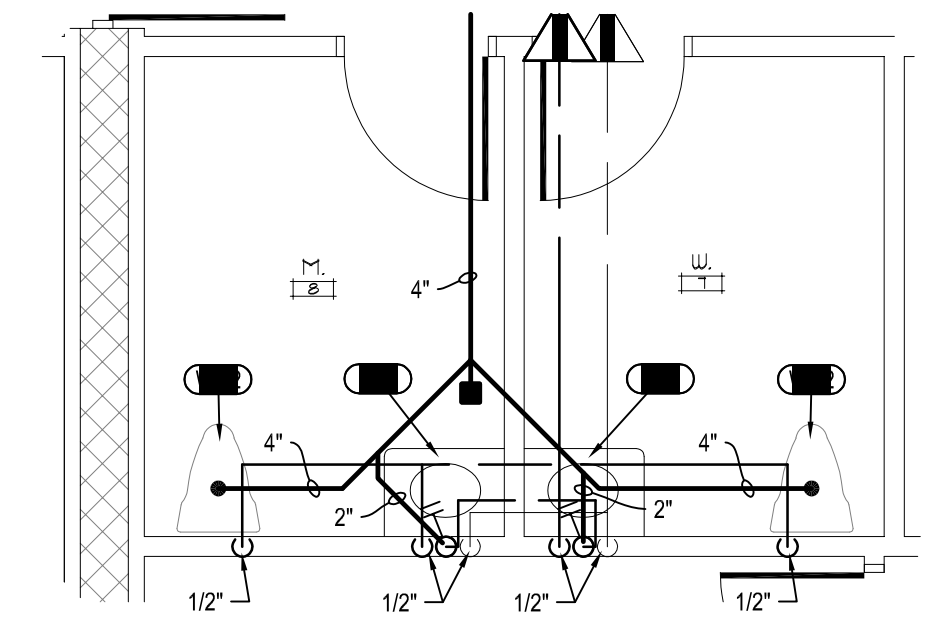
**D ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



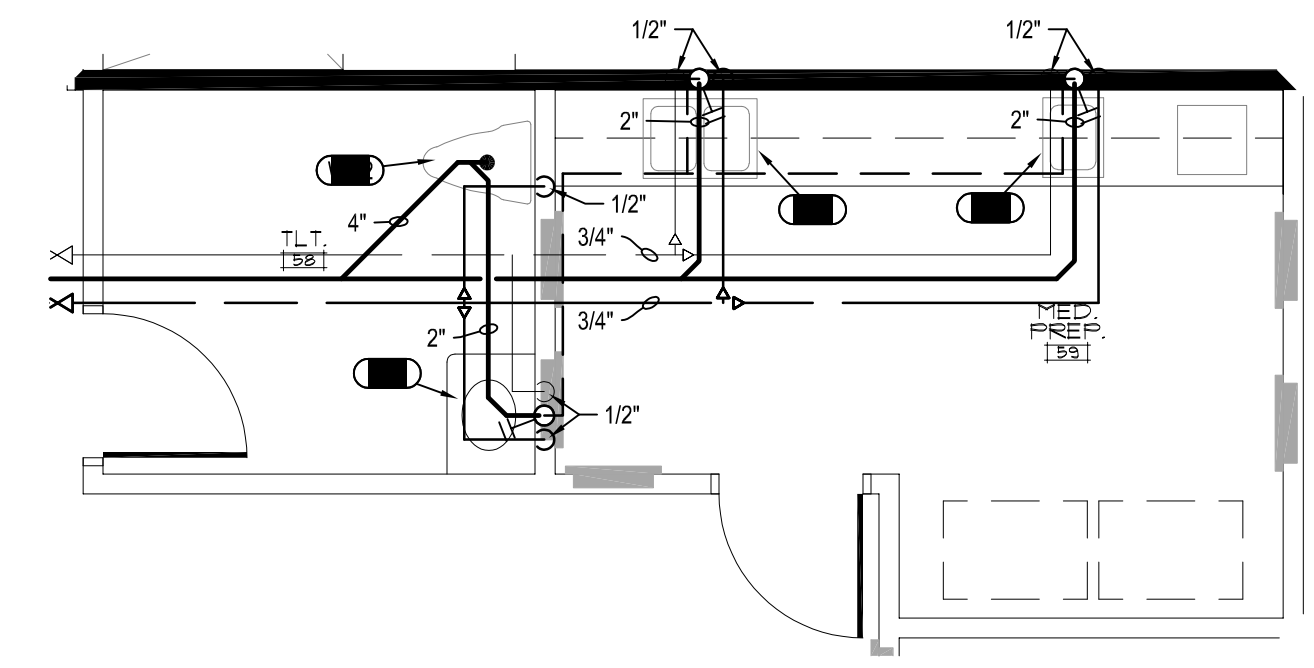
**E ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



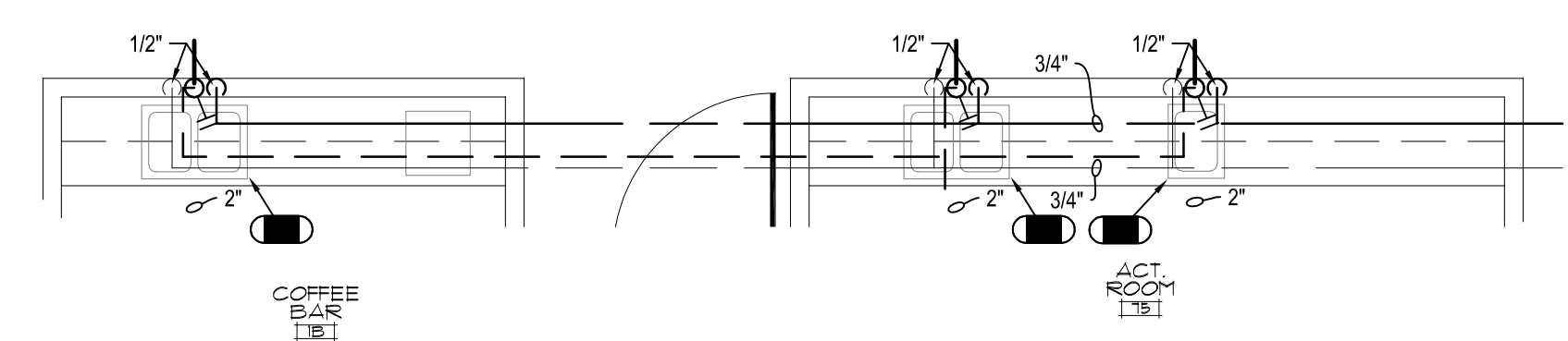
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P9 SCALE: 1/4" = 1'-0"



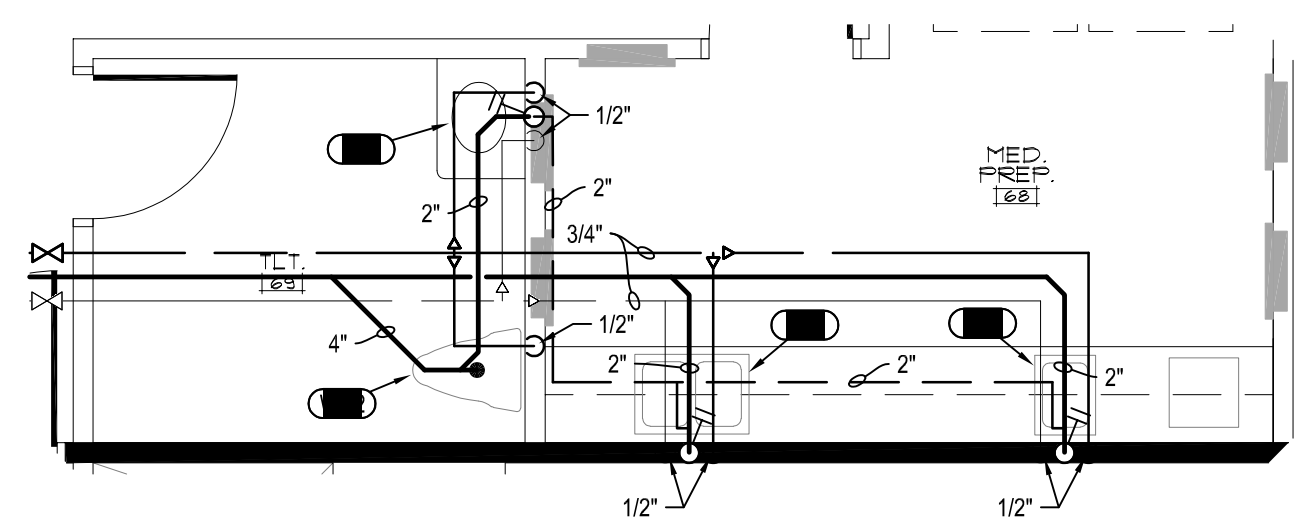
**G ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



**H ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



**I ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"



**J ENLARGED PLAN**  
P9 SCALE: 1/4" = 1'-0"

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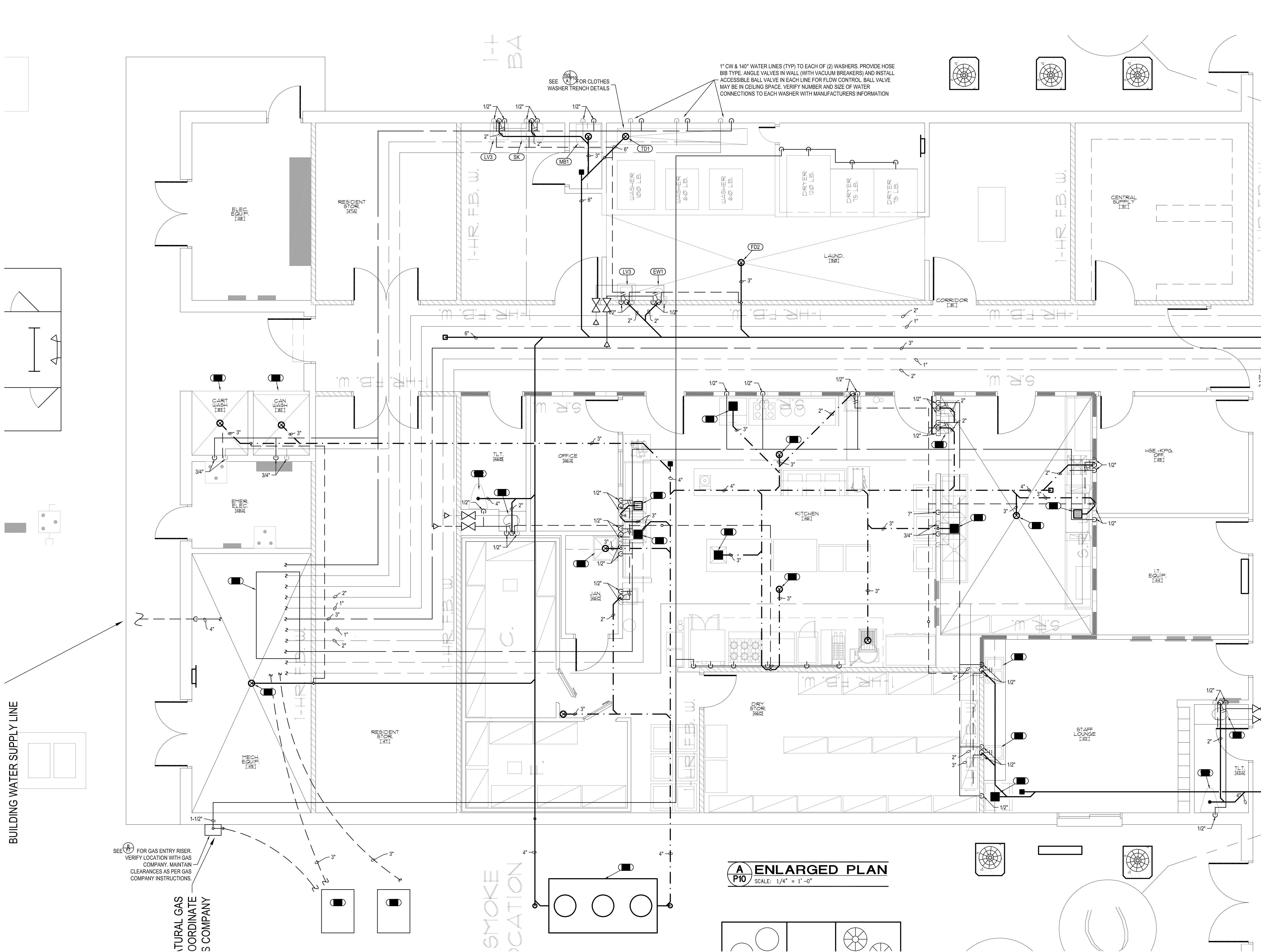


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 Chatham County, North Carolina

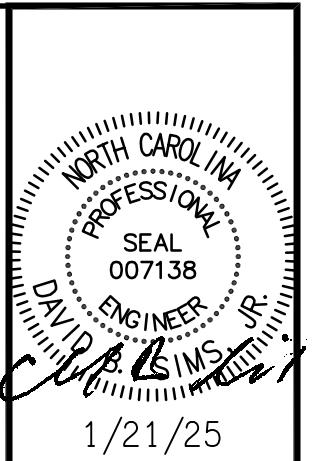
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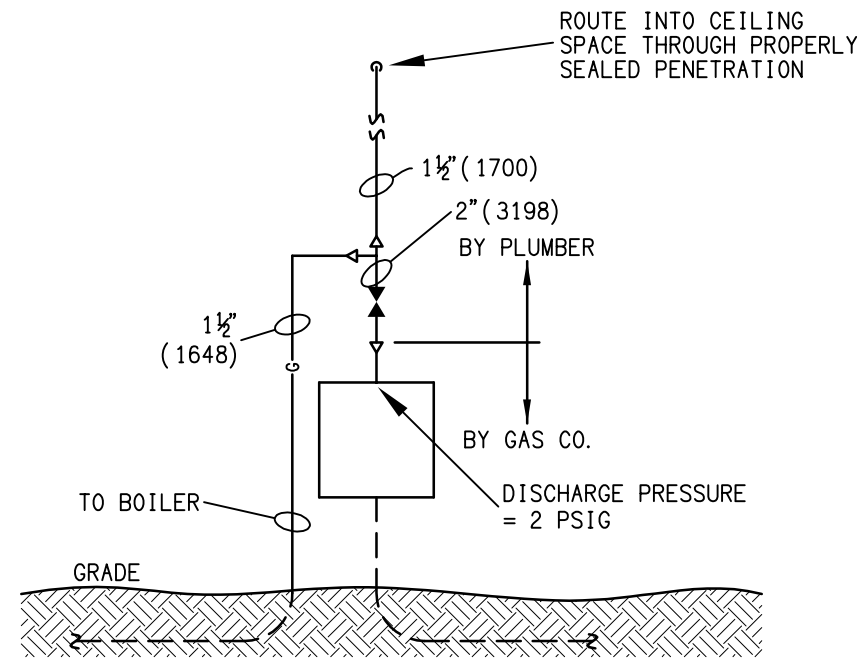
**138 BED FACILITY**

**10 P**

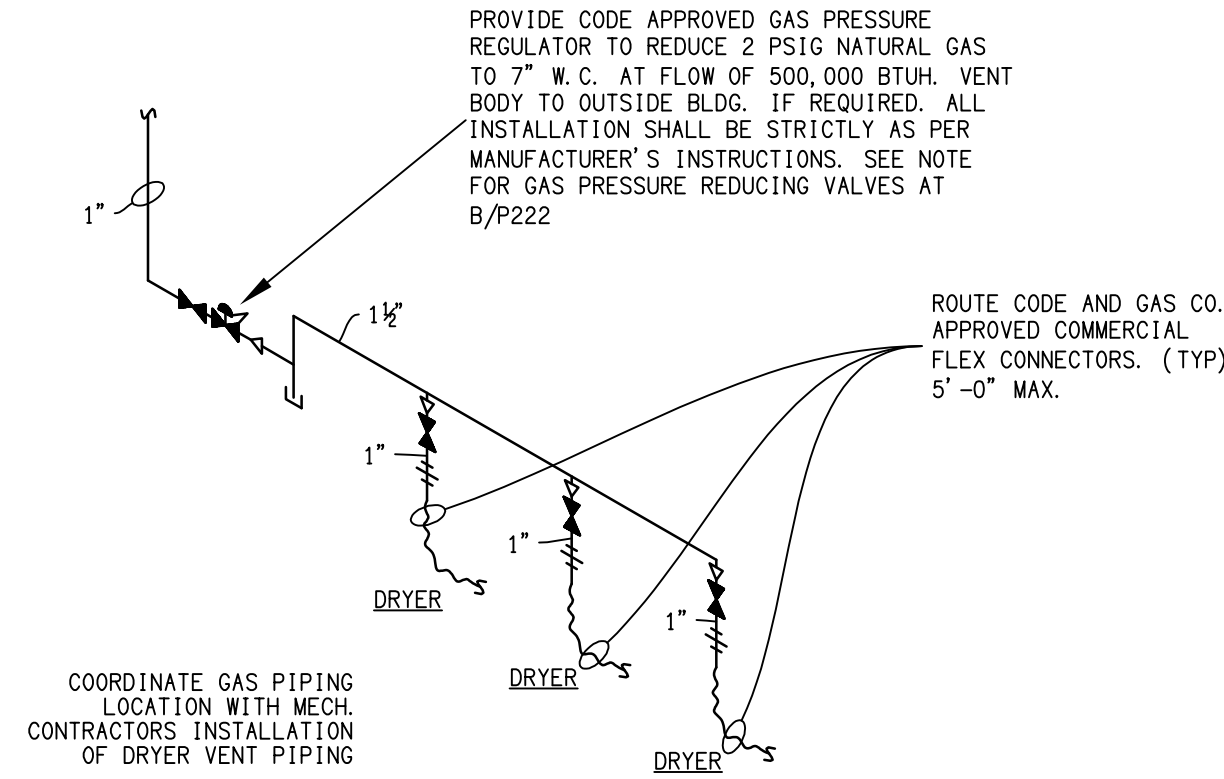
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ALL GAS PRESSURE REDUCING VALVES SHALL BE INSTALLED STRICTLY AS PER MANUFACTURER'S INSTRUCTIONS AND THE INSTRUCTIONS OF THE GAS USER BEING SERVED. IN PARTICULAR THE PHENOMENON OF TRAPPING GAS ON THE DOWNSTREAM SIDE OF THE VALVE AT UNIT SHUTDOWN (WHICH CAN CAUSE A HIGH DOWNSTREAM PRESSURE) MUST BE AVOIDED. THIS CAN BE DONE BY USING A PRESSURE REDUCING VALVE SPECIFICALLY DESIGNED TO AVOID THIS SITUATION OR PROVIDING ENOUGH DOWNSTREAM PIPING BETWEEN EQUIPMENT AND PRV TO AVOID THIS SITUATION

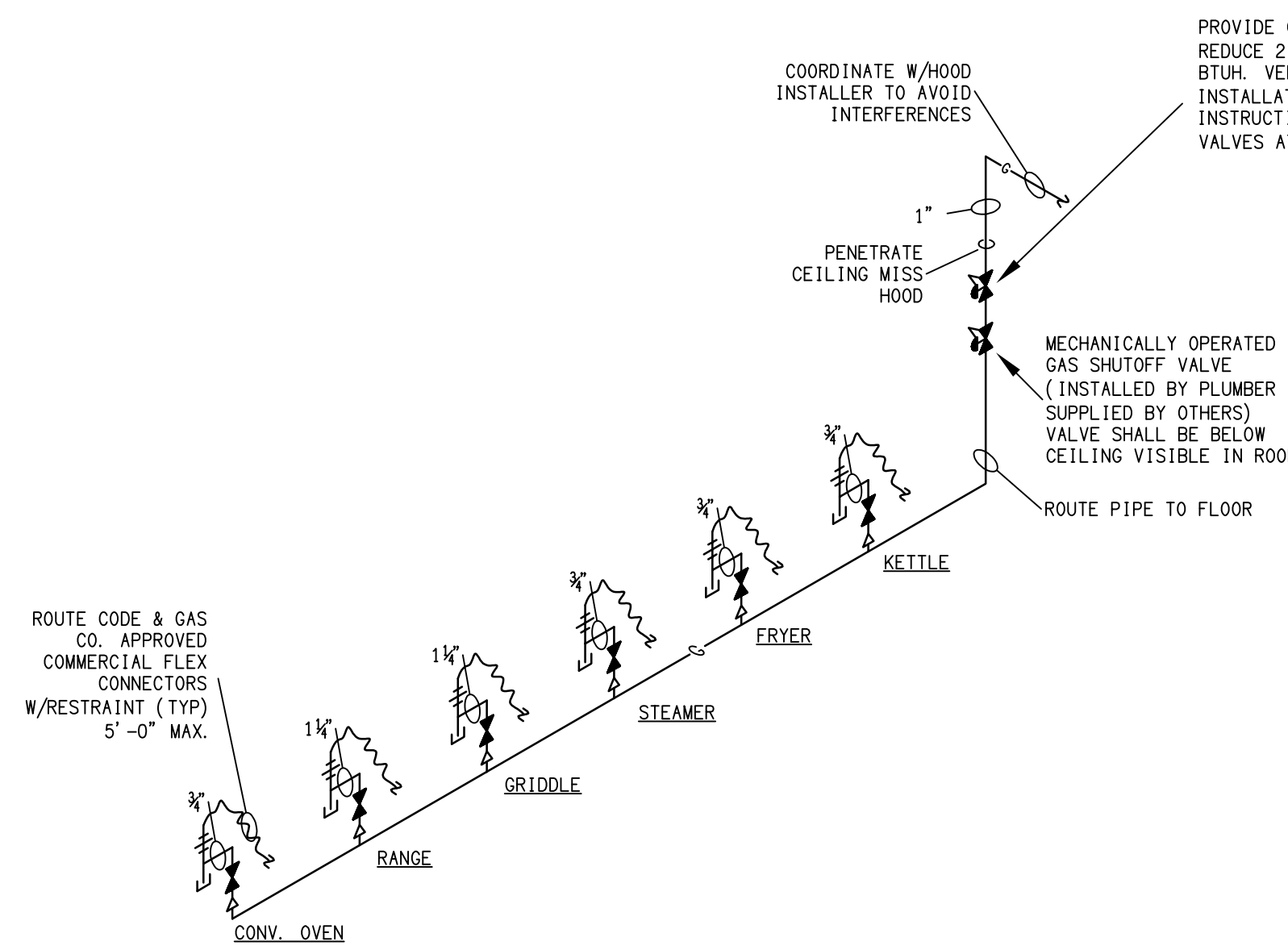
USER	MBH
RANGE	406
CONV. OVEN	120
FRYER	105
STEAMER	144
KETTLE	100
GRIDDLE	30
BOILER	824
BOILER	824
DRYER	215
DRYER	215
DRYER	215
MAU	150
<b>TOTAL</b>	<b>3,348</b>



**A GAS ENTRY**  
P11 NO SCALE



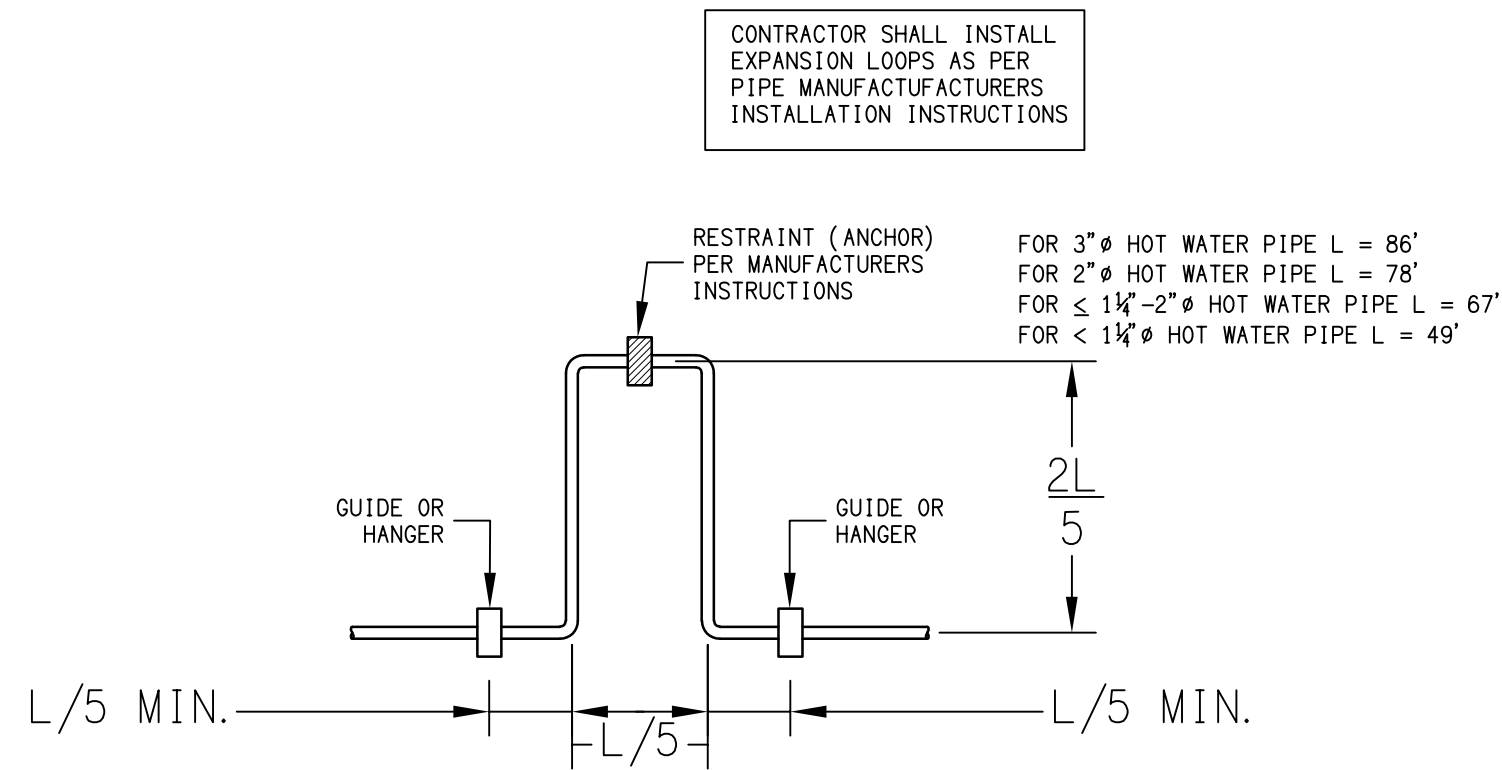
**B GAS PIPING TO DRYERS**  
P11 NOT TO SCALE



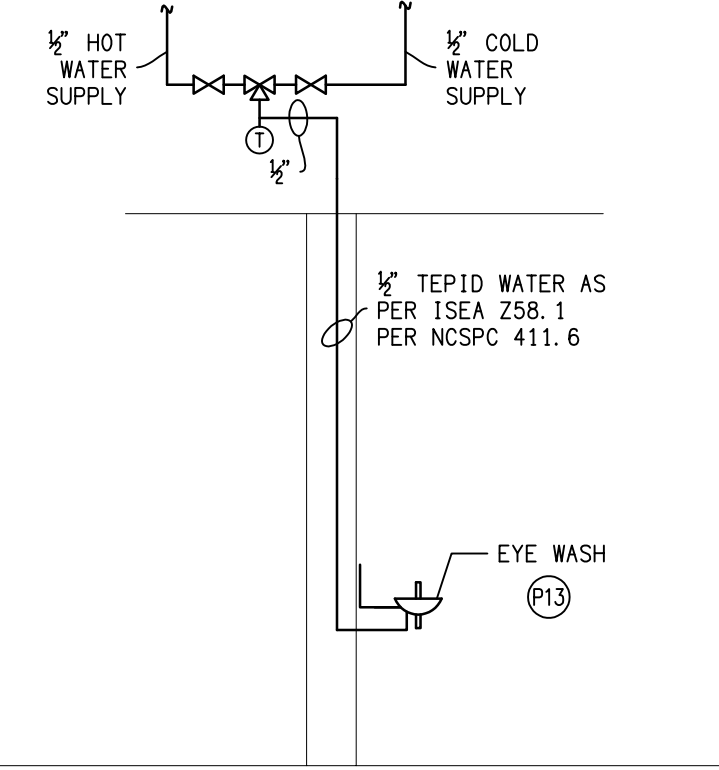
**C GAS PIPING IN KITCHEN**  
P11 NOT TO SCALE

PROVIDE CODE APPROVED GAS PRESSURE REDUCING VALVE TO REDUCE 2 PSIG GAS TO 11" W.C. AT FLOW OF 1,000,000 BTUH. VENT BODY TO OUTSIDE BUILDING IF REQUIRED. ALL INSTALLATION SHALL BE STRICTLY AS PER MANUFACTURER'S INSTRUCTIONS. SEE NOTE FOR GAS PRESSURE REDUCING VALVES AT B/P13

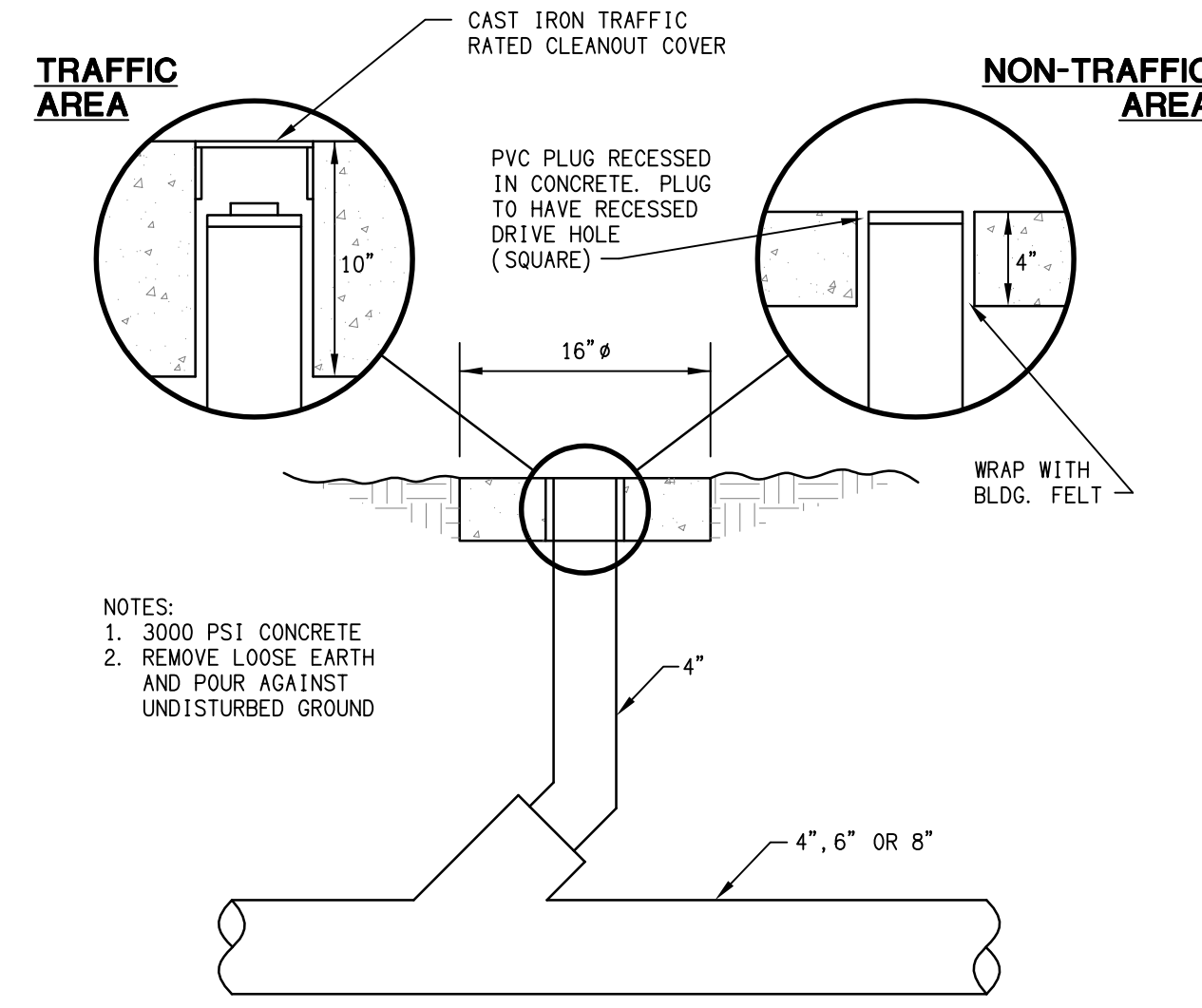
- KITCHEN NOTES:**
1. CONSULT KITCHEN VENDOR PLANS FOR ROUGH-IN DIMENSIONS, EQUIPMENT, DRAIN LOCATIONS & ALL EQUIPMENT DESCRIPTION.
  2. ALL WATER AND GAS PIPING ROUTES ABOVE CEILING, DROPPING DOWN TO FIXTURES AND APPLIANCES.
  3. PROVIDE ANGLE STOP VALVES TO ALL KITCHEN SINKS. PROVIDE GATE VALVES FOR OTHER KITCHEN WATER USERS.
  4. P. C. SHALL MAKE ALL GAS CONNECTIONS TO ALL APPLIANCES AND EQUIPMENT. PLUMBING CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, REGULATORS, FLEX PIPE AND ALL OTHER EQUIPMENT AND MATERIALS AS REQUIRED FOR THE CONNECTIONS. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL GAS VENTS TO OUTSIDE AS REQUIRED FOR ALL REGULATORS AND EQUIPMENT.
  5. ALL VTR MUST BE 25' MINIMUM FROM AIR INTAKES FOR KITCHEN HOOD. COORDINATE WITH MECHANICAL CONTRACTOR.
  6. STEAMERS SHALL HAVE BACKFLOW PREVENTER RATED FOR CONSTANT PRESSURE INSTALLED IN WATER SUPPLY LINE.
  7. BEVERAGE MACHINES SHALL HAVE ASSE 1022 CERTIFIED BACKFLOW PREVENTER INSTALLED IN WATER SUPPLY LINE.
  8. ANY WASTE BRANCH THAT IS TO RECEIVE DISCHARGE GREATER THAN 140" MUST BE CAST IRON.
  9. ICE MACHINES SHALL HAVE ASSE 1024 CERTIFIED BACKFLOW PREVENTER INSTALLED IN WATER SUPPLY LINE.



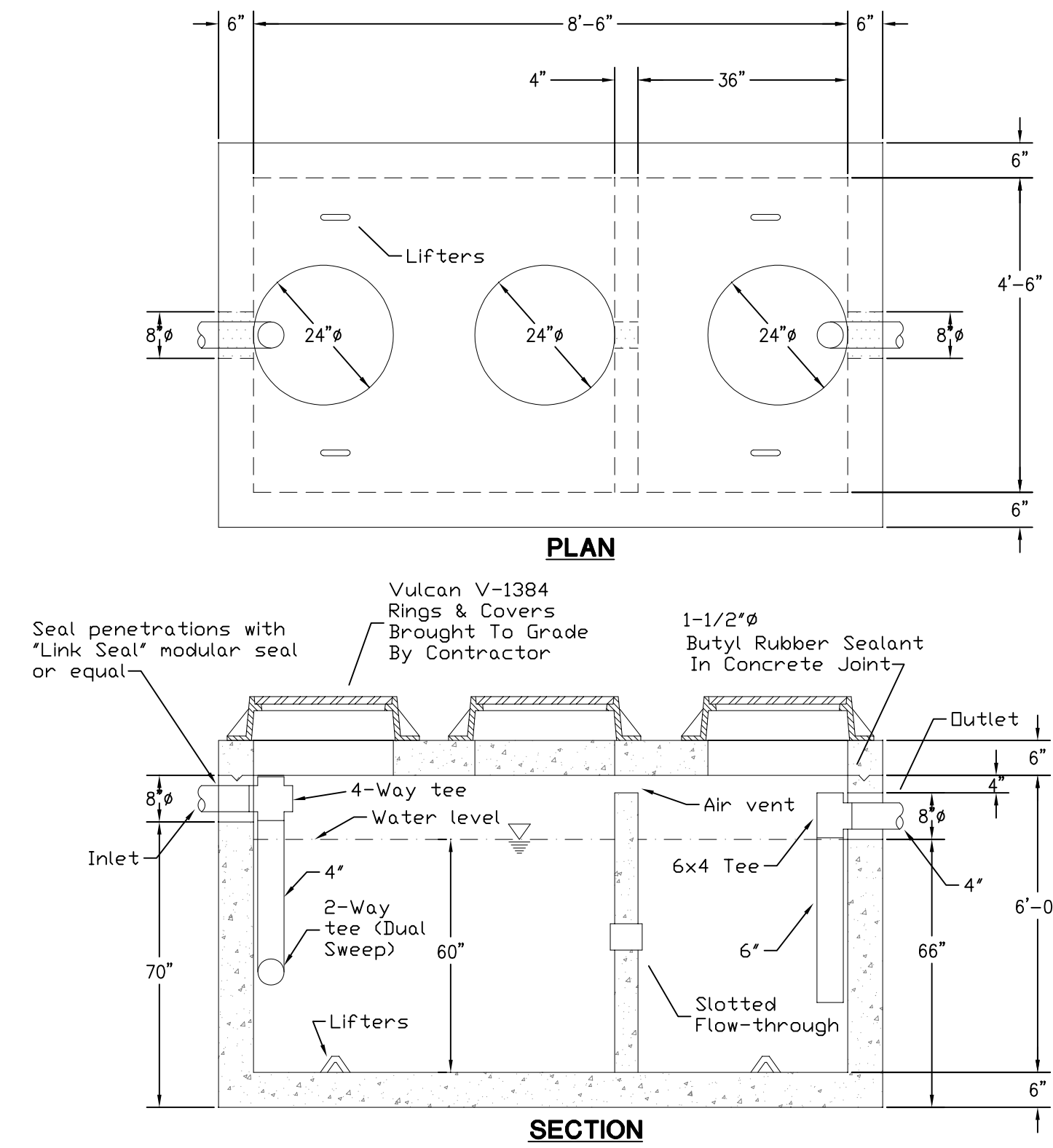
**D EXPANSION LOOP FORCING PIPING**  
P11 NO SCALE



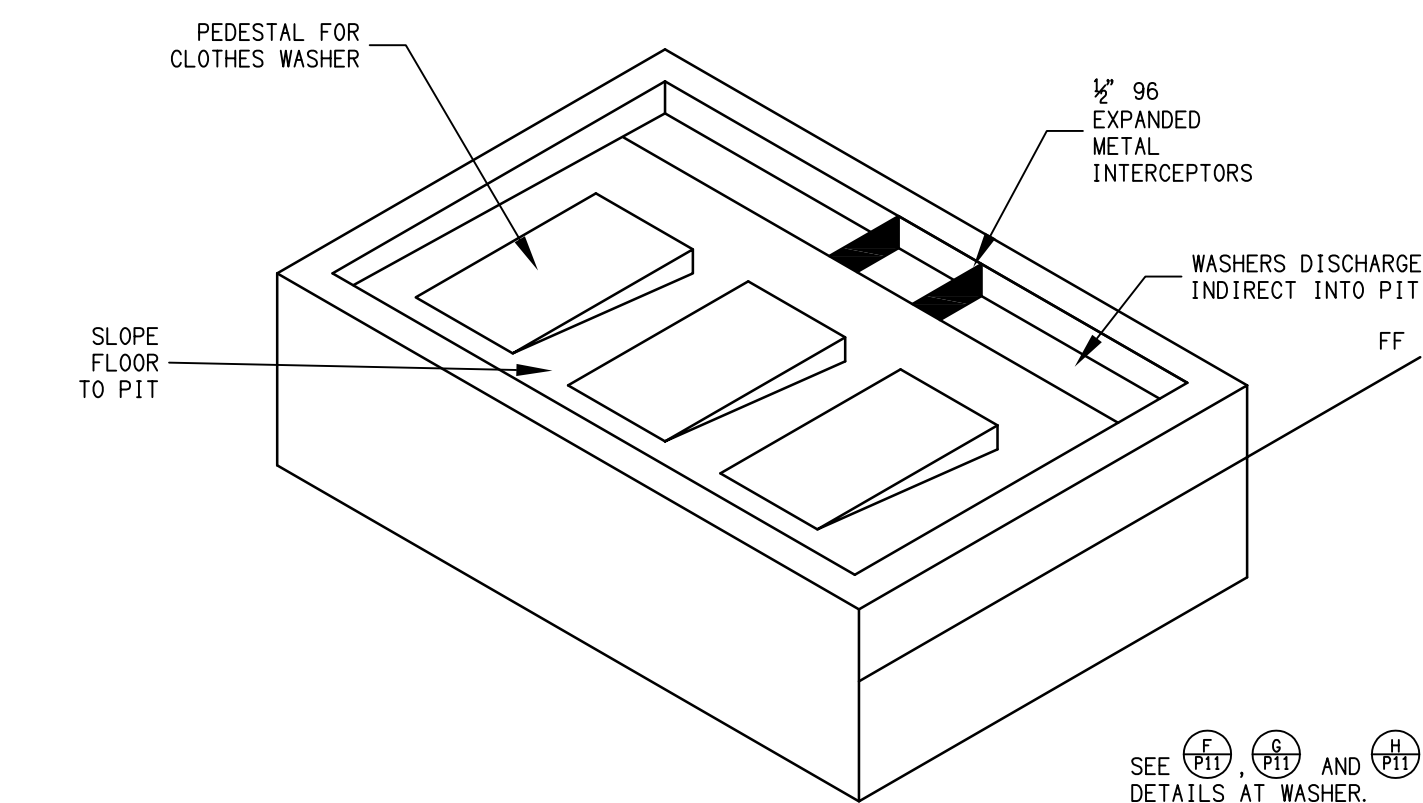
**E PIPING AT EYE WASH**  
P11 NOT TO SCALE



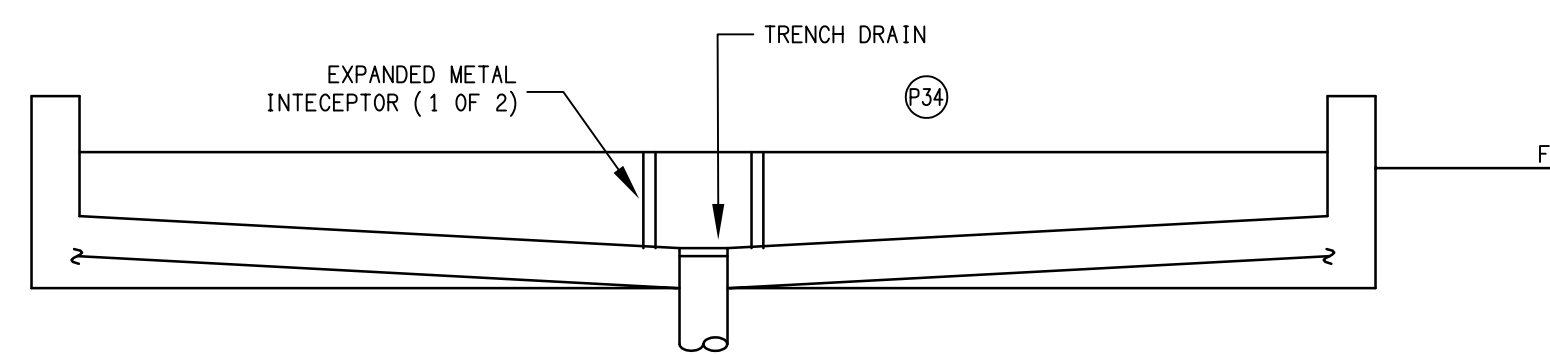
**J EXTERIOR CLEANOUT**  
P11 NO SCALE



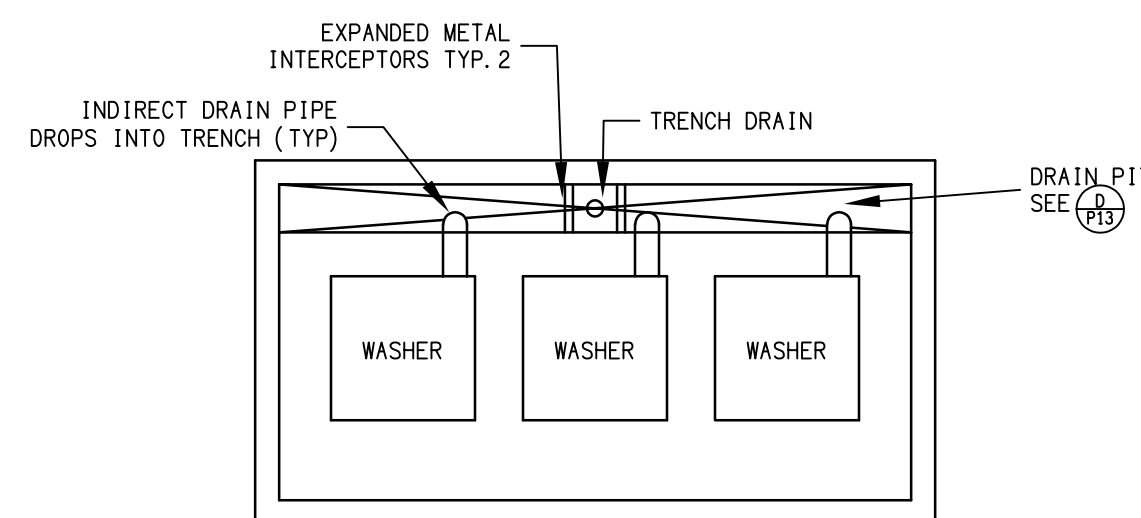
**I 1500 GAL. GREASE INTERCEPTOR**  
P11 NO SCALE BY PLUMBING CONTRACTOR



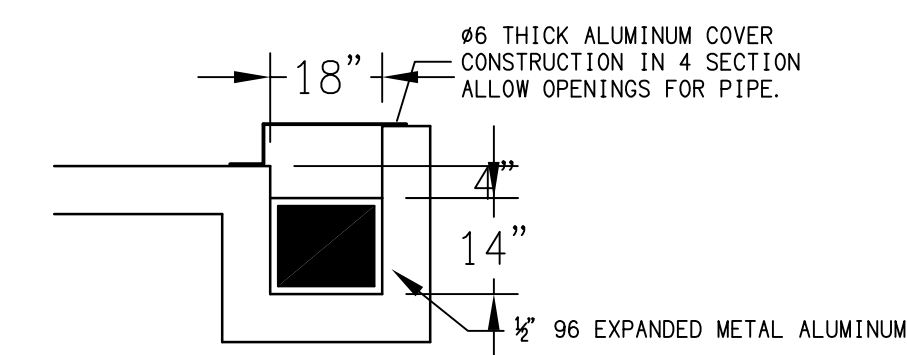
**E CLOTHES WASHER FOUNDATION**  
P11 NO SCALE



**F DRAIN PIT DETAIL**  
P11 NO SCALE



**G WASHER DRAINAGE**  
P11 NO SCALE



**H METAL INTECEPTOR**  
P11 NO SCALE

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007138  
1/21/25

**LIBERTY COMMONS OF BRIAR CHAPEL**  
Chatham County, North Carolina

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Architecture Planning Design

138 BED FACILITY

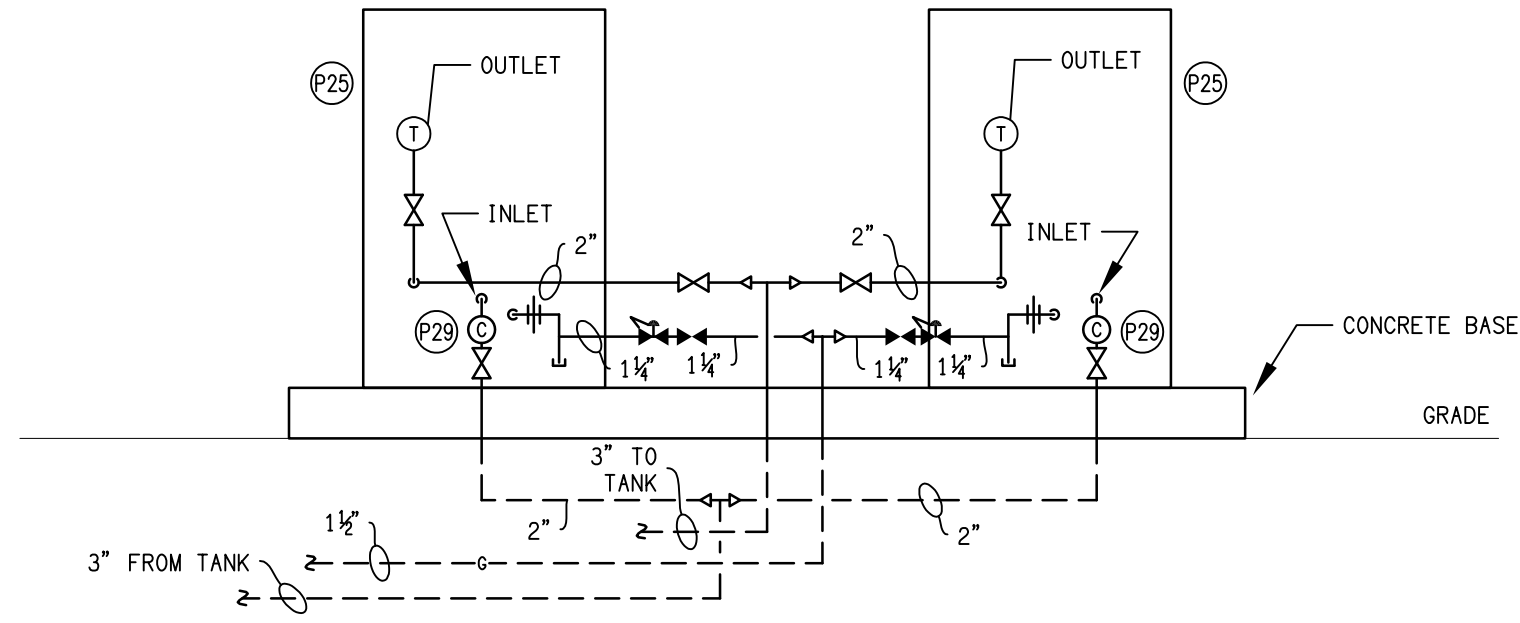
**P11**

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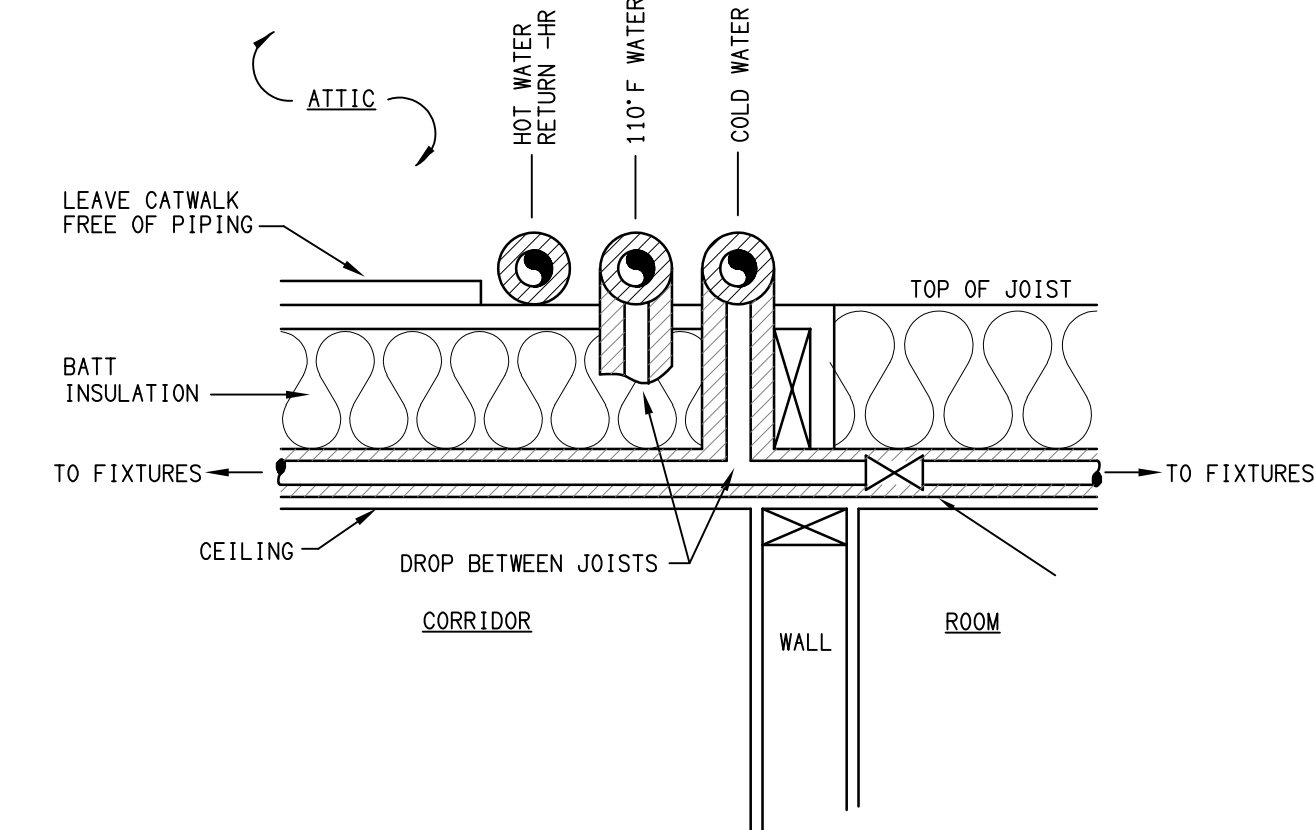
PLUMBING FIXTURE SCHEDULE -								
SYM.	FIXTURE	CW	HW	DRAIN	STOPS & VALVES	MANUF. (SEE NOTE 10)	MODEL (SEE NOTE 10)	REMARKS
WC1	WATER CLOSET TANK - FLOOR MOUNT HANDICAP	1/2"	-	3"	1/2" x 3/8" ANGLE	AMERICAN STANDARD	215AA.004	INCLUDE BRASSCRAFT R19C SUPPLY VALVE W/CHROME PLATED RISER AND WALL FLANGE. CHURCH #295CTJ OPEN FRONT SEAT W/O COVER. SEE NOTES 1, 2, 7, 8
WC2	WATER CLOSET TANK - FLOOR MOUNT HANDICAP	1/2"	-	3"	1/2" x 3/8" ANGLE	AMERICAN STANDARD	215AA.004	INCLUDE BRASSCRAFT R19C SUPPLY VALVE W/CHROME PLATED RISER AND WALL FLANGE. CHURCH #295CTJ OPEN FRONT SEAT W/O COVER. SEE NOTES 1, 2, 7, 8
LV1	LAVATORY UNDERMOUNT HANDICAP	1/2"	1/2"	1-1/4"	1/2" x 3/8" ANGLE	DAKOTA PLUMBING PRODUCTS	US-1714W-ADA	PLUMBER SHALL PROVIDE AND INSTALL AMERICAN STANDARD 5401.172H CHROME PLATED FAUCET WITH POP-UP DRAIN, 4" WRIST OPERATORS, BRASSCRAFT R19C SUPPLY VALVES W/CHROME PLATED RISERS AND WALL FLANGES, 1-1/4x1-1/4 TUBULAR P-TRAP CP. SEE NOTE 1
LV2	LAVATORY COUNTER HANDICAP	1/2"	1/2"	1-1/4"	1/2" x 3/8" ANGLE	-	-	INTGRAL BOWL BY OTHERS. PLUMBER SHALL PROVIDE AND INSTALL BRASSCRAFT R19C SUPPLY VALVES W/CHROME PLATED RISERS AND WALL FLANGES, 5401.172H CHROME PLATED FAUCET WITH GRID DRAIN, 4" WRIST OPERATORS 1-1/4x1-1/4 TUBULAR P-TRAP CP. INSTALL A PROPERLY SIZED TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070. SEE NOTES 1, 3, 11
LV3	LAVATORY COUNTER HANDICAP	1/2"	1/2"	1-1/4"	1/2" x 3/8" ANGLE	-	-	INTGRAL BOWL BY OTHERS. PLUMBER SHALL PROVIDE AND INSTALL BRASSCRAFT R19C SUPPLY VALVES W/CHROME PLATED RISERS AND WALL FLANGES, 5401.172H CHROME PLATED FAUCET WITH GRID DRAIN, 4" WRIST OPERATORS 1-1/4x1-1/4 TUBULAR P-TRAP CP. INSTALL A PROPERLY SIZED TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070. SEE NOTES 1, 3, 11
SD1	SHOWER OPERATOR HANDICAP (HAND HELD ONLY)	1/2"	1/2"	2"	INTEGRAL	-	-	DELTA T13H152 PRESSURE BALANCED MIX VALVE OPERATOR PACKAGE WITH R10000-UNWS VALVE, HAND HELD SHOWER W/60" HOSE WITH SLIDE BAR AND IN-LINE VACUUM BREAKER, SEE NOTES 1, 5, 8.
SD2	SHOWER OPERATOR HANDICAP (FIXED HEAD ONLY)	1/2"	1/2"	2"	INTEGRAL	-	-	DELTA T13H132 PRESSURE BALANCED MIX VALVE OPERATOR PACKAGE WITH R10000-UNWS VALVE, THIS INCLUDES FIXED SHOWER HEAD, SEE NOTES 1, 5, 8.
SK1	SINGLE COMPARTMENT SINK - HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	LRAD1517	INCLUDE ELKAY LK24379H GOOSENECK FAUCET P-TRAP/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
SK2	SINGLE COMPARTMENT SINK - HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	LRAD1517	INCLUDE AMERICAN STANDARD #6540.160 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAP/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
SK3	TWO COMPARTMENT SINK - HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	GEOR321	INCLUDE AMERICAN STANDARD #6540.168 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAP/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
SK4	TWO COMPARTMENT SINK - HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	GEOR321	INCLUDE AMERICAN STANDARD #6540.168 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAP/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
ADL	ADL TUB	1/2"	1/2"	2"	INTEGRAL	BEST BATH	CTS6032A18	INCLUDE SEAT, GRAB BARS, DRAIN AND SYMMONS 96-400-B30-L-V PRESSURE BALANCED MIX VALVE OPERATOR, HAND HELD SHOWER W/60" HOSE, SLIDE BAR, DIVERTER VALVE, TUB SPOUT. SEE NOTES 1, 4 - VERIFY OPERATOR
ADL	ADL TUB	1/2"	1/2"	2"	INTEGRAL	BEST BATH	CTS6032A18	INCLUDE SEAT, GRAB BARS, DRAIN AND SYMMONS 96-400-B30-L-V PRESSURE BALANCED MIX VALVE OPERATOR, HAND HELD SHOWER W/60" HOSE, SLIDE BAR, DIVERTER VALVE, TUB SPOUT. SEE NOTES 1, 4 - VERIFY OPERATOR
CLN	CLINICAL SINK W/BEDPAN CLEANER & SERVICE FAUCET	1 1/2"	1/2"	4"	-	AMERICAN STANDARD	9504.010	SLOAN ROYAL 1171-10 FLUSH VALVE, RIM GUARD 7832.017, INCLUDE BEDPAN CLEANER 7880.024 W/VACUUM BREAKER 7837.024, NOZZLE AND HOOK 7866.015 PEDAL VALVE 7679.012, LOOSE KEY SUPPLY 7544.018, SERVICE SINK FAUCET 8345.118 W/6" ELBOW HANDLES. PROVIDE TERRAZZO BASE.
MOP	MOP SINK	3/4"	3/4"	3"	-	F1AT	MSB2424	FAUCET: 830AA W/VACUUM BREAKER / HOSE: 832-AA MOP HANGER: 889-CC / STRAINER: E72-DD SEE NOTE 6
MOP	MOP SINK CAN WASH	3/4"	3/4"	3"	-	F1AT	MSB2424	FAUCET: 830AA W/VACUUM BREAKER / HOSE: 832-AA MOP HANGER: 889-CC / STRAINER: E72-DD SEE NOTE 6
SHD	SHOWER DRAIN	-	-	3"	-	ZURN	ZN-415-5B	NIKALOY TOP.
FDR	FLOOR DRAIN	-	-	SEE PLAN FOR SIZE	-	ZURN	ZN-415-5B-P	NIKALOY TOP DEEP SEAL TRAP. PROVIDE PRIMER TAP. SEE NOTE 5
FDR	FLOOR SINK	-	-	3"	-	ZURN	ZN-1900-2-23-K	ALL WASTE PIPES DRAINING INTO FLOOR SINKS SHALL BE INSTALLED IN ACCORDANCE WITH NCSBC-PC ARTICLE 802.2.1 HALF TOP GRATE, 12" X 12" TOP, SEDIMENT BUCKET.
REF	REFRIGERATOR VALVE BOX	3/8"	-	-	-	-	-	INCLUDE SHUTOFF VALVE AND RECESSED WALL BOX
HOB	HOSE BIBB	3/4"	-	-	-	WOODFORD	25	PROVIDE VACUUM BREAKER FREEZEPROOF
HOB	HOSE BIBB	3/4"	-	-	-	WOODFORD	24	PROVIDE VACUUM BREAKER
FFC	FINISHED FLOOR CLEANOUT	-	-	-	-	ZURN	ZN-1400-T	WITH NIKALOY TOP
EXC	EXTERIOR CLEANOUT	-	-	-	-	ZURN	Z-1400	WITH CAST IRON TOP. SEE (P17)
WCC	WALL CLEANOUT COVERPLATE	-	-	-	-	ZURN	Z-1469	STAINLESS STEEL
DWC	DISHWASHER CONNECTION	-	1/2"	1"	-	-	-	CONNECT WATER & WASTE TO ADJACENT SINK IN A CODE APPROVED MANNER.
SHR	SHOCK ARRESTER	3/4"	-	-	-	ZURN	Z-1700-100	-
WCC	ELECTRIC WATER COOLER BI-LEVEL	1/2"	-	1-1/4"	-	ELKAY	EZSTL-8-C	COLOR BY ARCHITECT. SEE NOTE 1
GIC	GREASE INTERCEPTOR	-	-	4"	-	STAYRIGHT	-	TRAFFIC RATED, 1500 GALLON MINIMUM. CONSTRUCTION AND INSTALLATION SHALL COMPLY WITH LOCAL REQUIREMENTS. SEE 1/P11.
TDR	TRENCH DRAIN	-	-	6"	-	ZURN	Z-550-Y	CAST IRON TOP - BUCKET Z-1099 BACKWATER BALL FLOAT.
DWC	DISHWASHER CONNECTION	-	1/2"	1"	-	-	-	CONNECT WATER & WASTE TO ADJACENT SINK IN A CODE APPROVED MANNER.

- NOTES:
- MATERIAL AND INSTALLATION SHALL BE PER STATE HANDICAP CODE REQUIREMENTS AND ADA REQUIREMENTS.
  - TANK TOILETS SHALL FLUSH ON A MAXIMUM OF 1.6 GALLONS PER FLUSH.
  - LAVATORIES SHALL HAVE .5 GPM FLOW AERATORS.
  - SHOWER HEAD SHALL HAVE FLOW RESTRICTOR TO PASS A MAXIMUM OF 2.5 GPM.
  - FLOOR DRAIN SHALL BE PRIMED WITH 1/2" COPPER LINE FROM NEARBY CLEAR WATER FIXTURE (LAVATORY). TAP CLEAR WATER FIXTURE TAIL PIECE WITH WATER SAVER TRAP PRIMER AND ROUTE COPPER SUPPLY LINE UNDER SLAB TO DRAIN PRIMER CONNECTION. WATER SAVER TRAP PRIMER SHALL BE ACCESSIBLE AND CODE APPROVED. IF A CLEAR WATER FIXTURE SUCH AS A LAVATORY IS NOT AVAILABLE TAP NEARBY COLD WATER LINE AND ROUTE 1/2" PRIMER LINE THROUGH PRIMER WATER CODE APPROVED FOR WASTE/WATER CROSS CONNECTION. VALVE SHALL BE ACCESSIBLE.
  - INSTALL CHECK VALVE ON COLD & HOT SUPPLY LINES SERVING MOP SINK.
  - FLUSH HANDLE FOR TANK WATER CLOSETS SHALL BE LOCATED ON THE WIDE SIDE OF THE TOILET ROOM.
  - THE USE OF OFFSET WATER CLOSET FLANGES IS PROHIBITED. MISALIGNED WATER CLOSET FLANGES MUST BE RE-PIPED.
  - MANUFACTURER AND MODEL NUMBERS LISTED ARE "BASIS FOR DESIGN."
  - WHEN LAVATORY IS LOCATED IN A PUBLIC ACCESS AREA CONTRACTOR SHALL PROVIDE AND INSTALL A PROPERLY SIZED TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3.

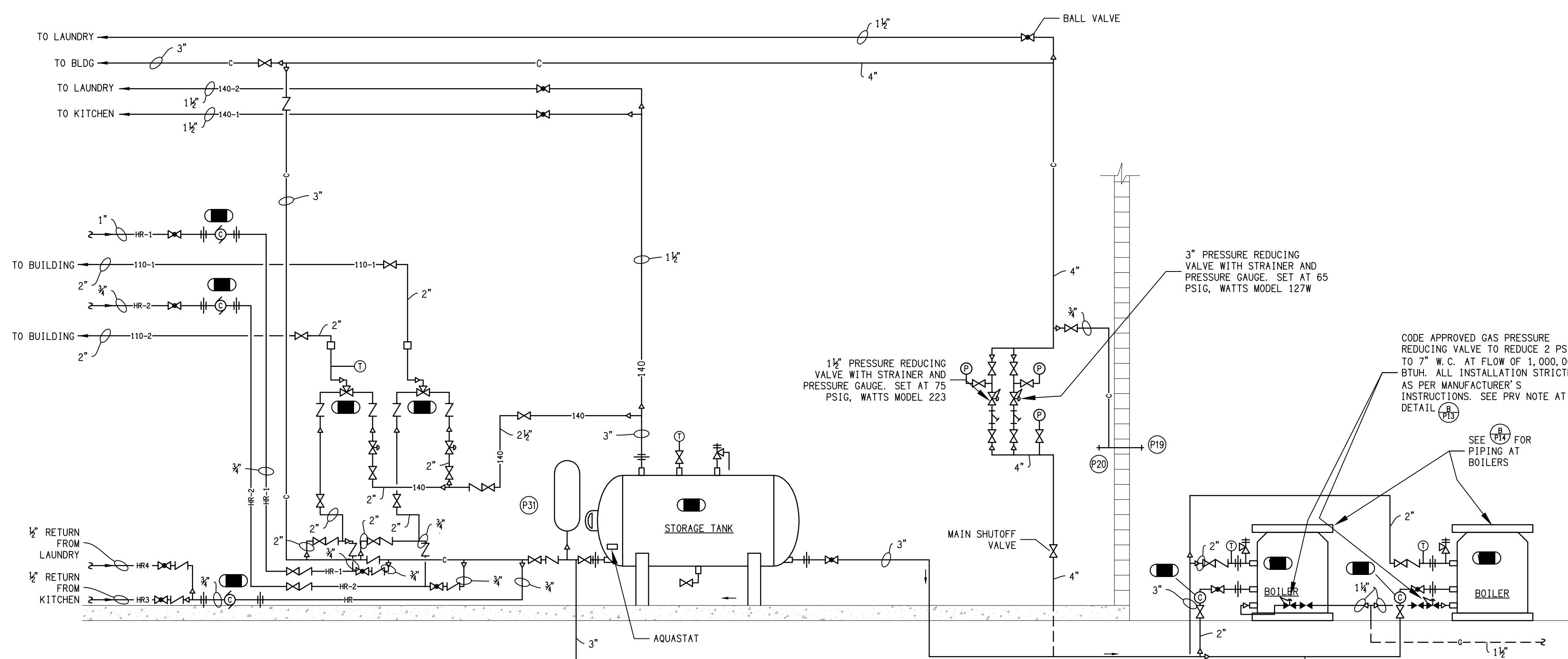
PLUMBING EQUIPMENT SCHEDULE -								
SYM.	FIXTURE	CW	HW	DRAIN	STOPS & VALVES	MANUF. (SEE NOTE 10)	MODEL (SEE NOTE 10)	REMARKS
WB1	BOILER	2"	2"	-	GATE	RAYPAK	W-824 OUTDOOR MODEL	ASME STAMP-125PSI RELIEF VALVE, FULL CONTROL SYSTEM, PROPANE, GAUGES, ELECTRONIC IGNITION. INCLUDE ECONOMASTER SYSTEM W/AQUASTAT LESS PUMP. LEAD/LAG CONTROL. RECOVERY RATE = 824 GPH AT 100' RISE
ST1	STORAGE TANK 606 GAL.	SEE A/P9	SEE A/P9	2"	GATE VALVES	RAYPAK	-	ASME STAMP-125PSIG RATING, FITTING AS REQUIRED BY INLET, OUTLET & RECIRCULATION PIPE SIZES W/NON-FERROUS OPENING. INCLUDE 3/4" CASH ACME MODEL FWX-3C RELIEF VALVE, PRESSURE & TEMPERATURE GAUGES-LOOSE SADDLES, GLASS LINED INSIDE, USFDA APPROVED, PRIME COAT. 42" DIAMETER BY 108" LONG, 606 GALLON, NATIONAL BOARD STAMP. SEE NOTE 7
MV1	MIXING VALVE	1-1/4"	1-1/4"	-	GATE	ACORN	MV17-4	INCLUDE TEMPERATURE GAUGE. PLUMBER SHALL INSTALL LEONARD AU-2000 HIGH TEMPERATURE AUDIO-VISUAL ALARM SYSTEM IN LOCATION APPROVED BY OWNER. ALL CONTROL WIRING BY PLUMBER. ALL POWER WIRING BY ELECTRICIAN. FOLLOW ALL MANUFACTURERS INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. SOLENOID VALVE NOT INCLUDED WITH ALARM SYSTEM AND MUST BE SUPPLIED SEPARATELY. SEE DETAIL C/P8
CP1	HOT WATER CIRCULATION PUMP - BOILER	2"	-	-	-	TACO	1612B	45 GPM @ 35' TDH, 110 VOLT, 1/2 HP.
CP2	HOT WATER CIRCULATION PUMP - 110' F	3/4"	-	-	-	TACO	0013B	5 GPM @ 33' TDH, 110 VOLT, 1/6 HP.
CP3	HOT WATER CIRCULATION PUMP - 140' F	3/4"	-	-	-	TACO	005B	110 VOLT, 1/35 HP, 2 GPM @ 9' TDH. INCLUDE TIMER TO TURN OFF PUMP AT NIGHT.



**B** WATER PIPING AT BOILERS  
P12 NO SCALE



**C** WATER PIPE ABOVE CORRIDORS  
P12 NO SCALE  
INSTALLATION DETAIL



**A** BOILER/HOT WATER TANK SCHEMATIC  
P12 NOT TO SCALE

symbol	date	description	by
REVISIONS			

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**P12**  
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