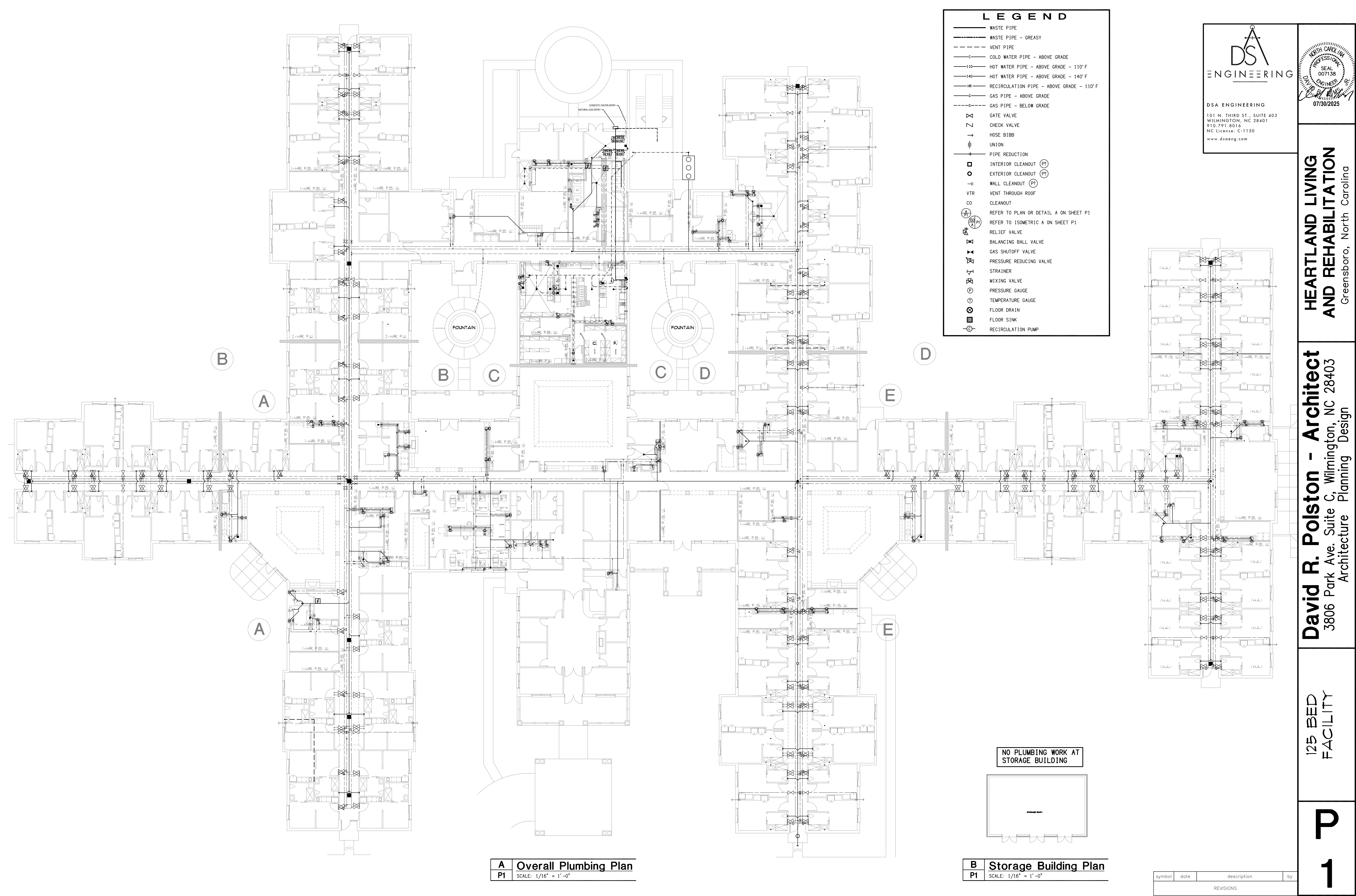
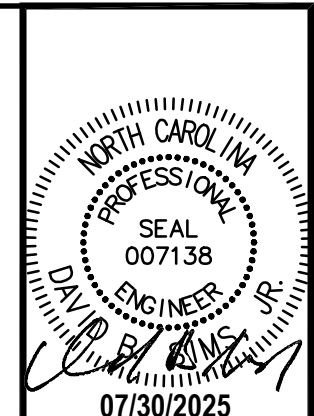


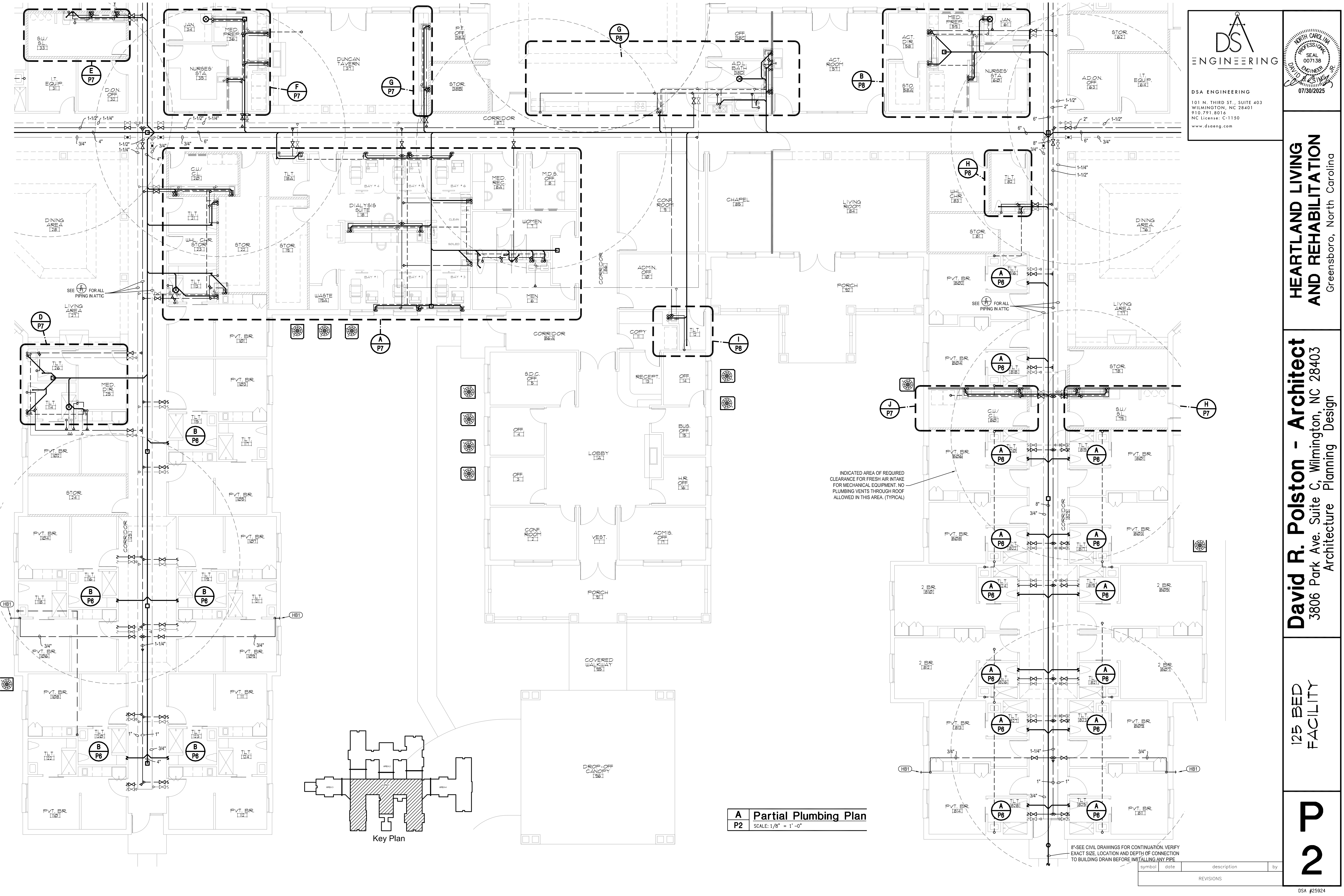


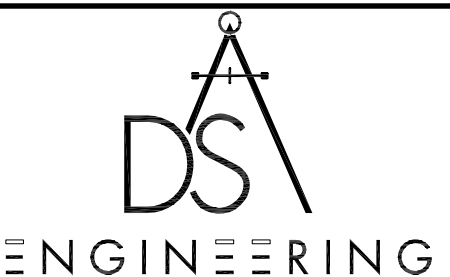
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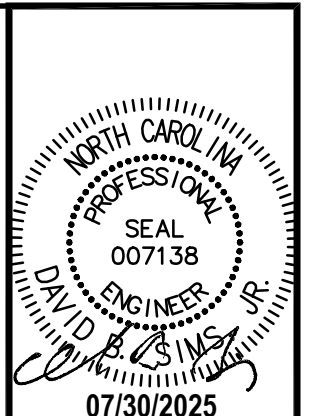






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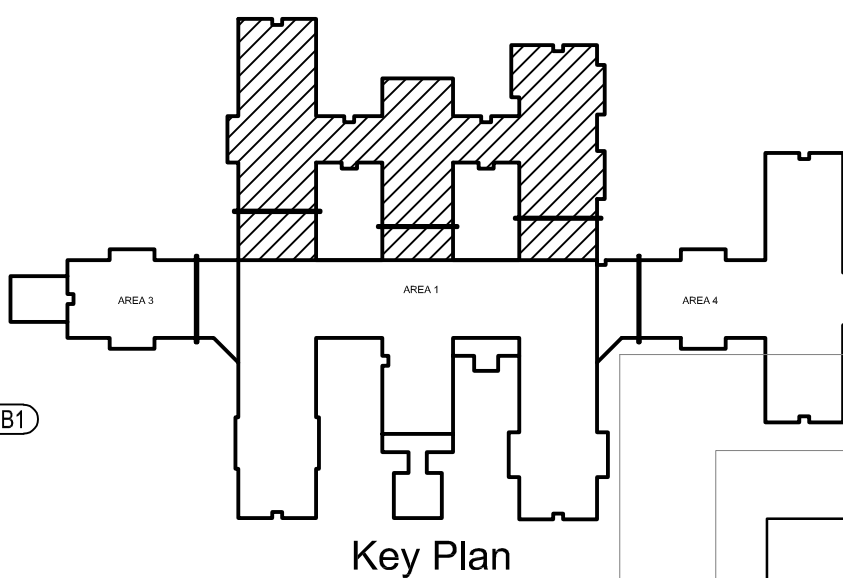
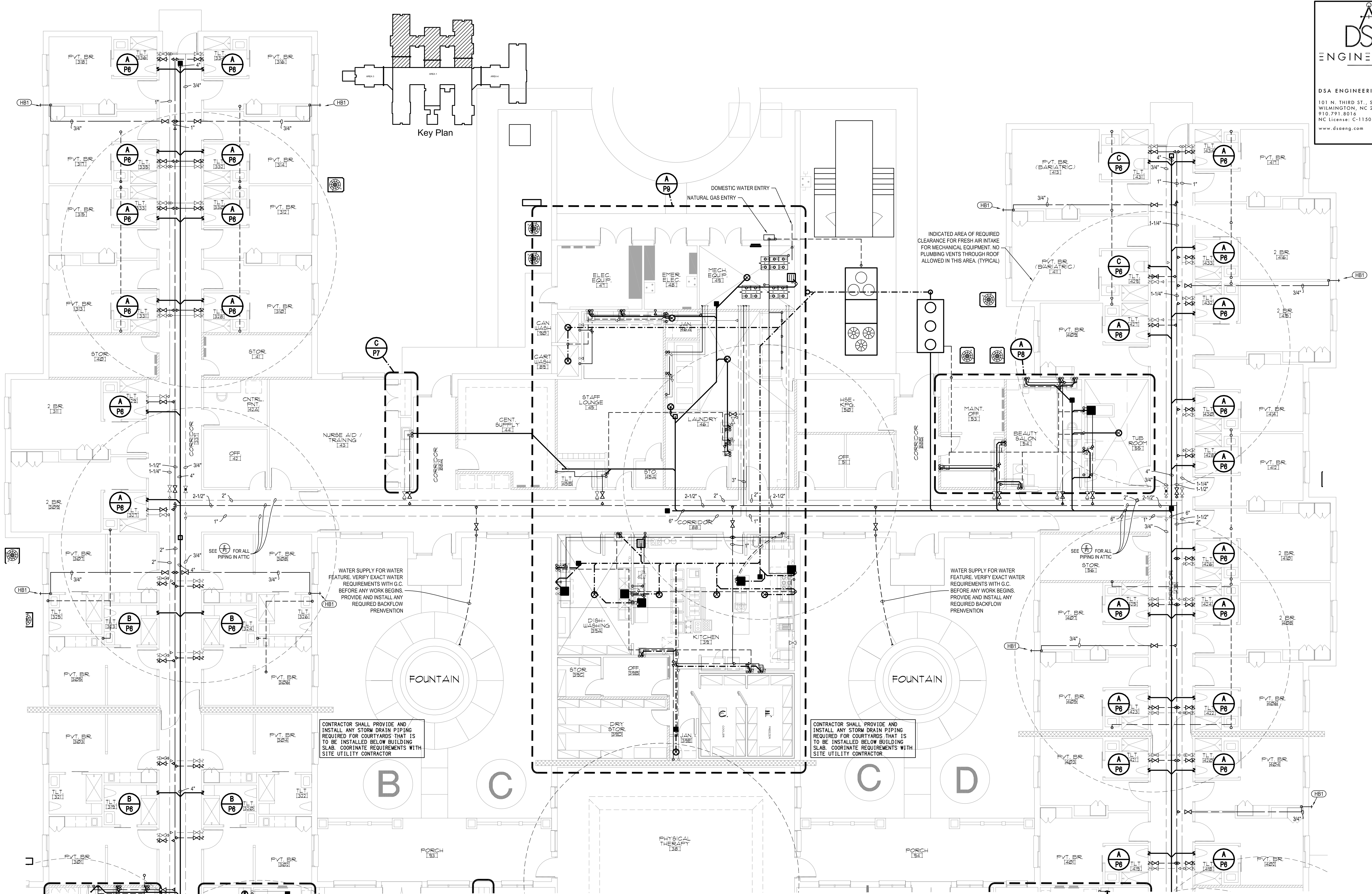
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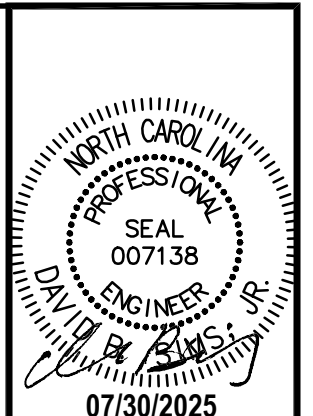
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**P
2**



A Partial Plumbing Plan
P3 SCALE: 1/8" = 1'-0"

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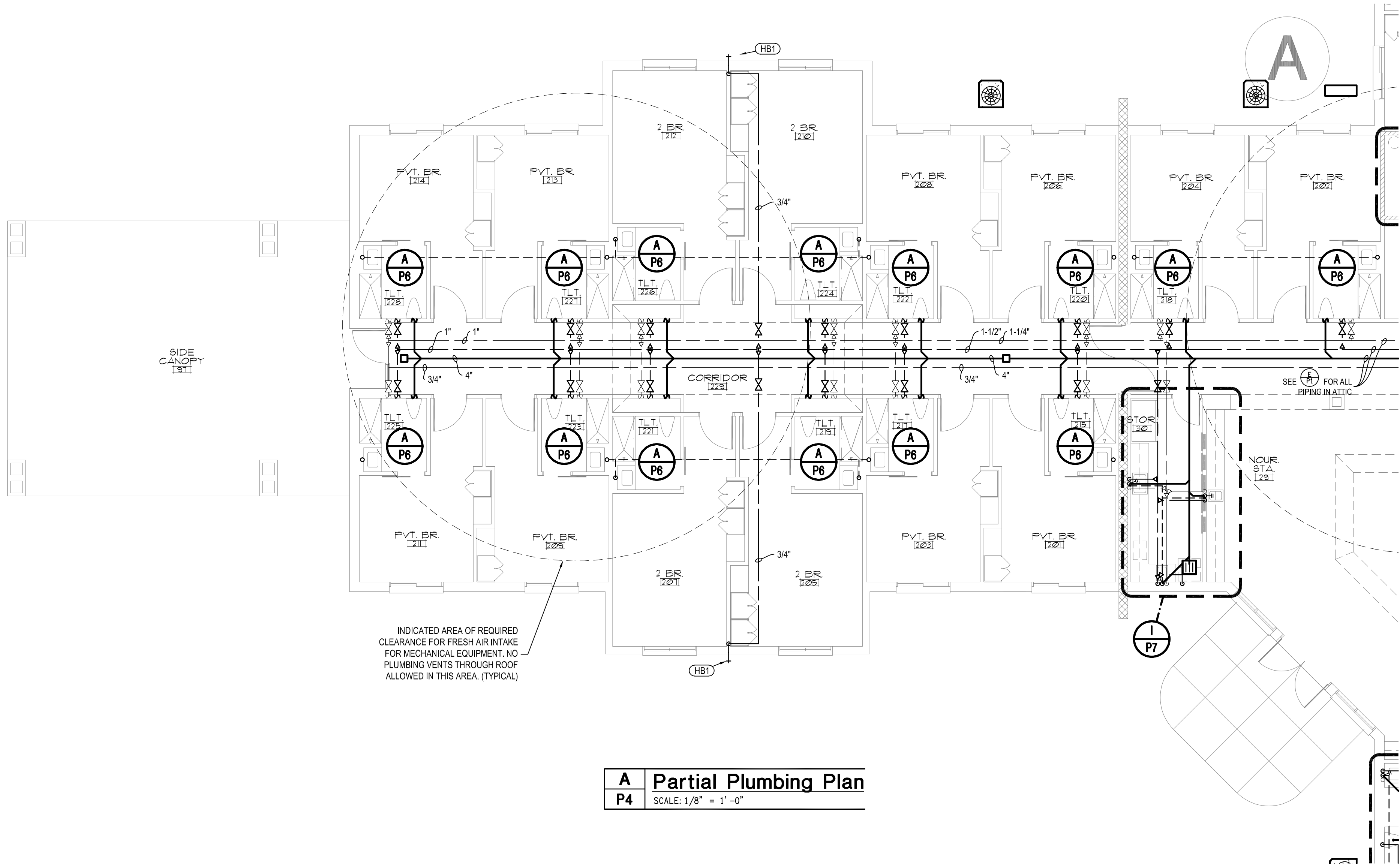
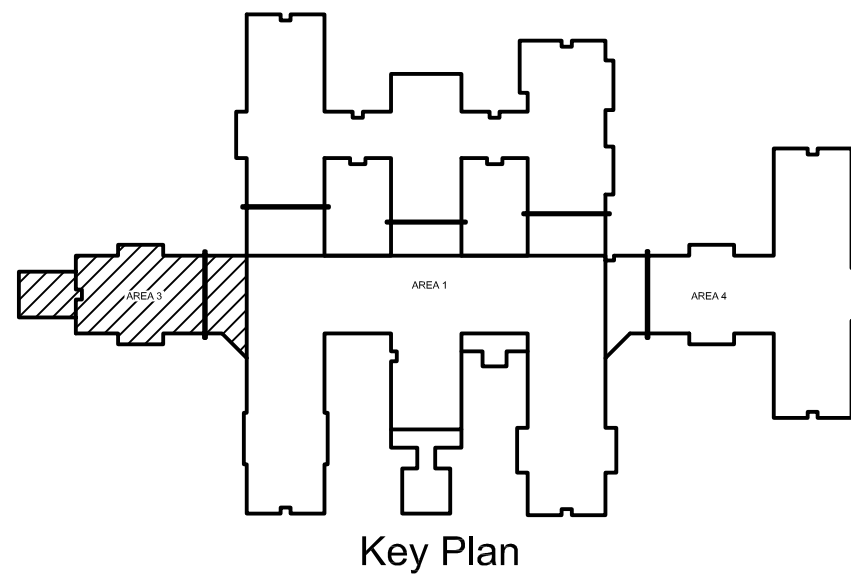
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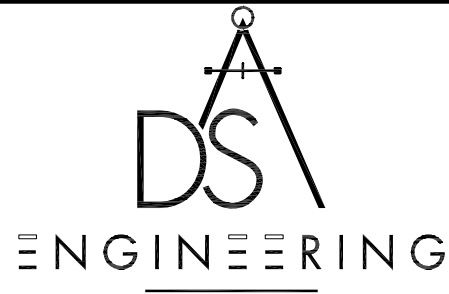
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P3

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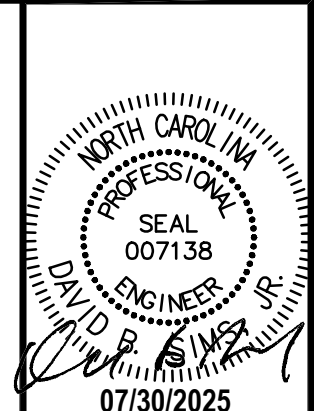


A Partial Plumbing Plan
P4 SCALE: 1/8" = 1' - 0"



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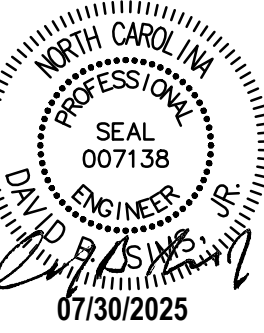
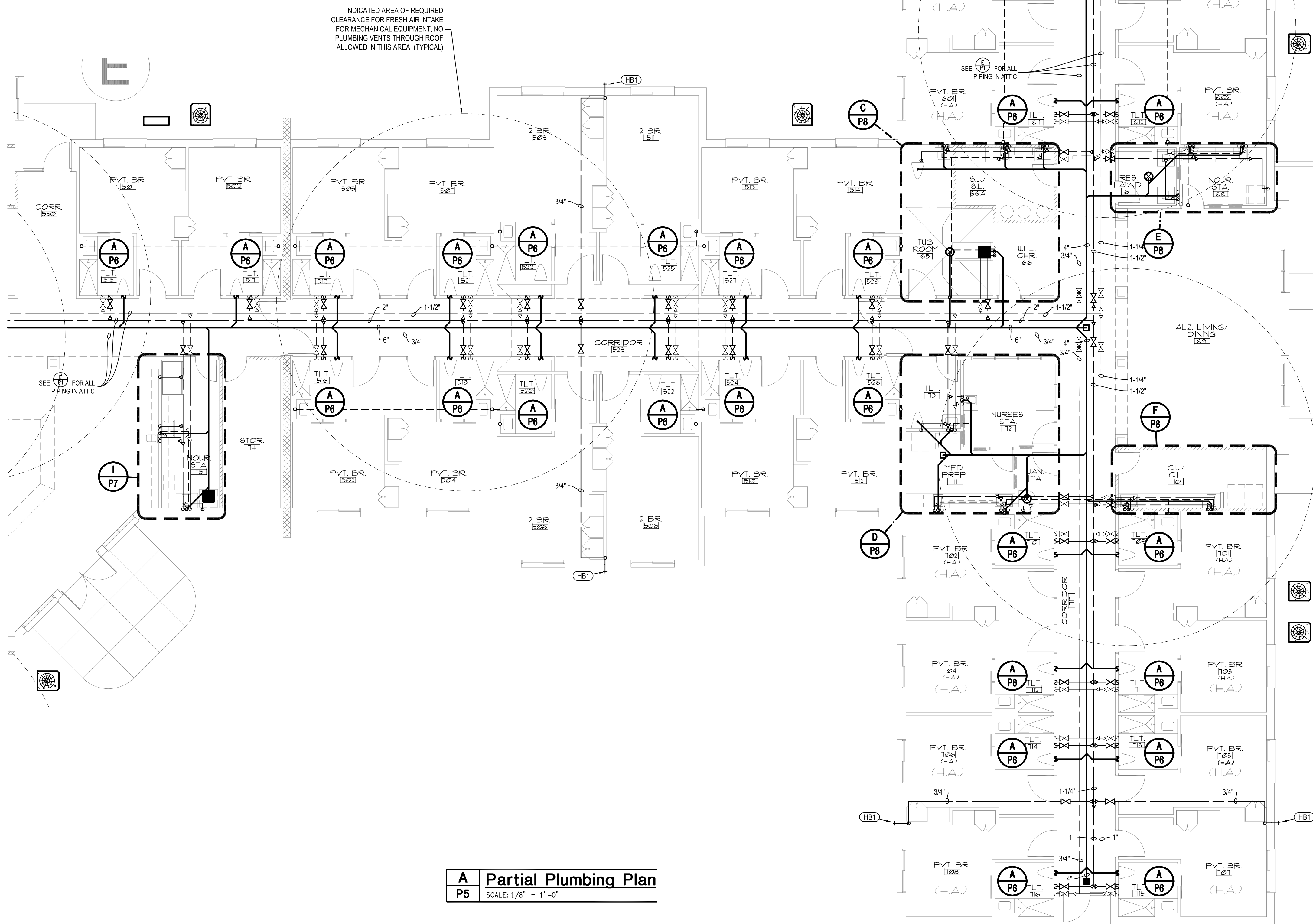
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**P
4**

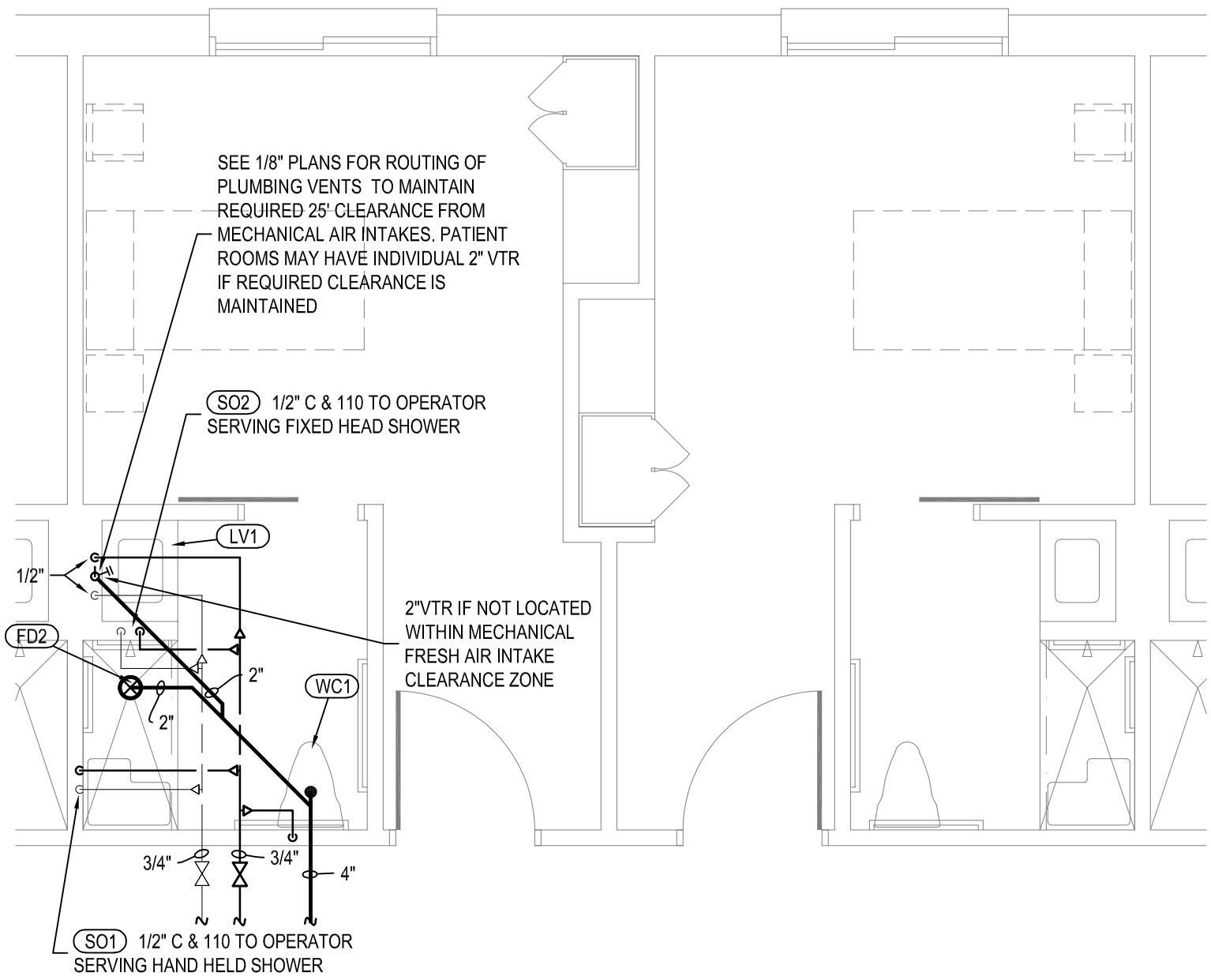
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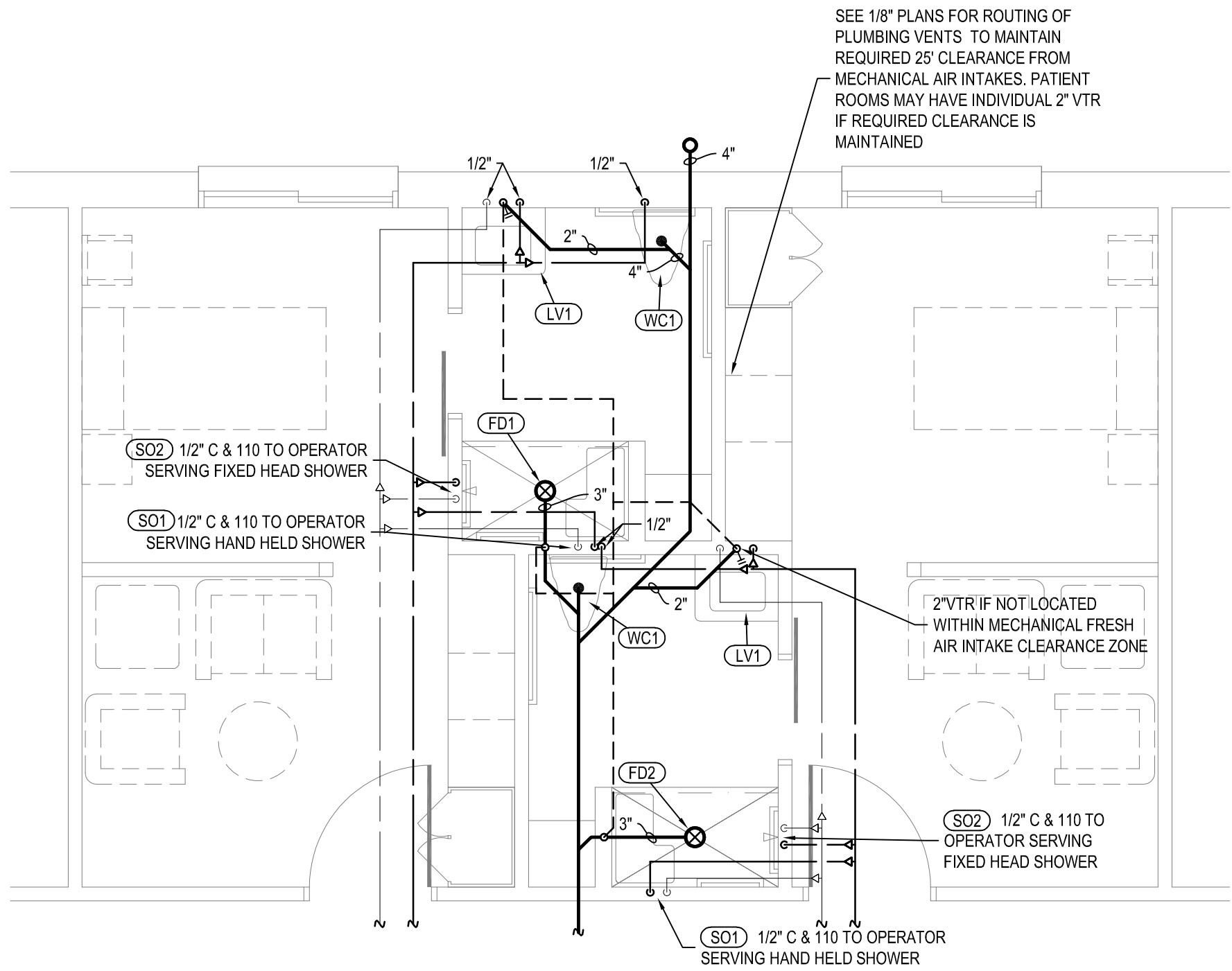
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P5

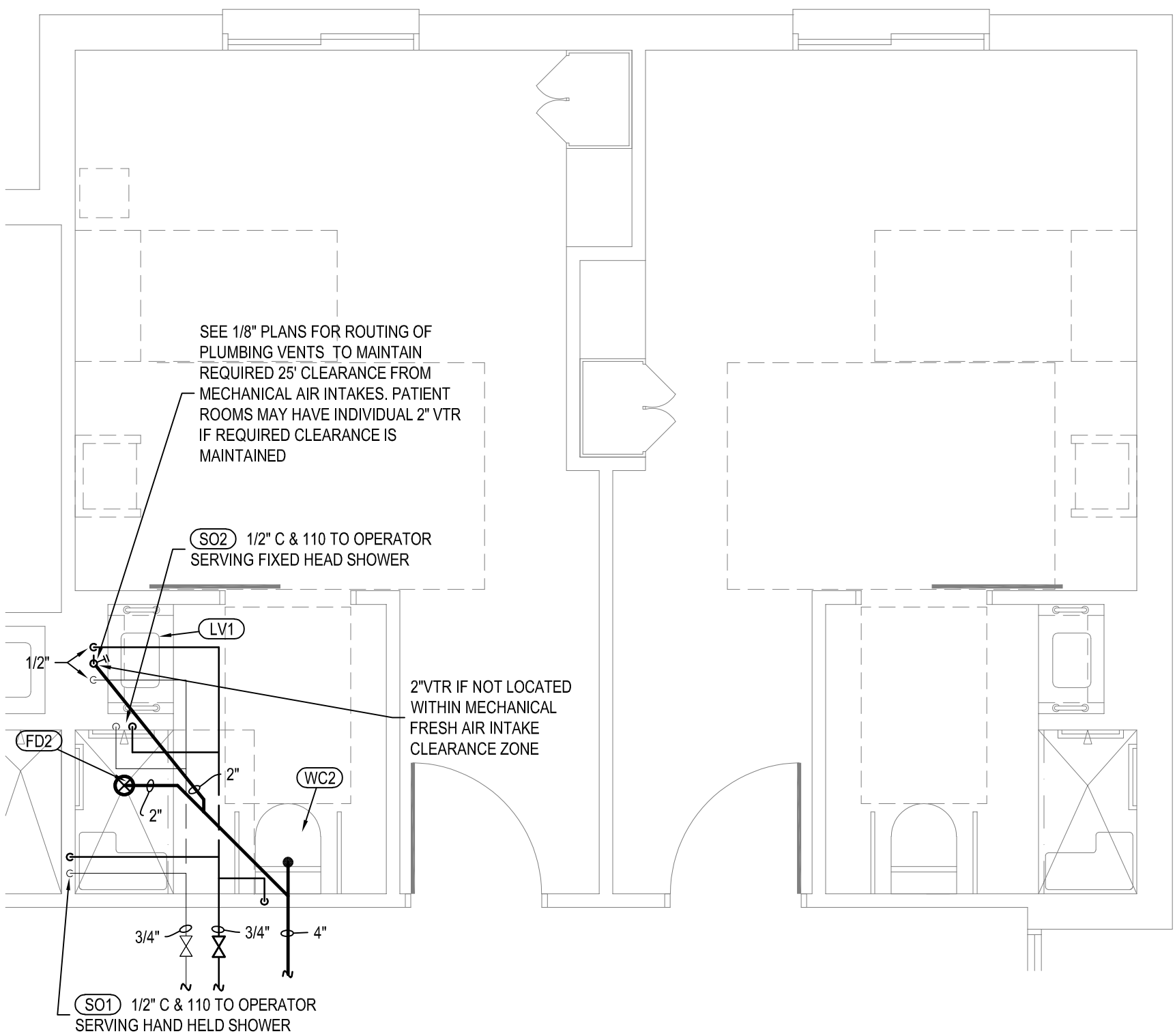
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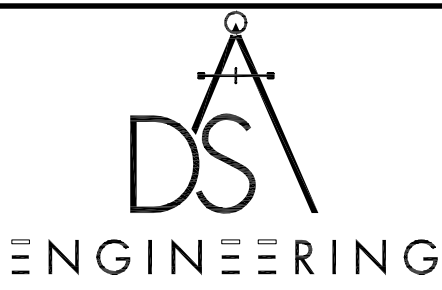
A **Typ. Private BR - Type One**
P6 SCALE: 1/4" = 1' -0"



B **Typ. Private BR - Type Two**
P6 SCALE: 1/4" = 1' -0"

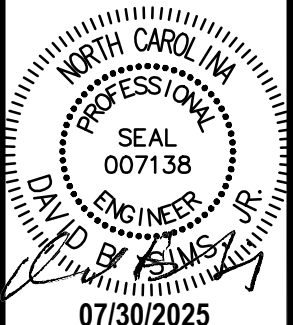


C **Typ. Private Bariatric BR**
P6 SCALE: 1/4" = 1' -0"



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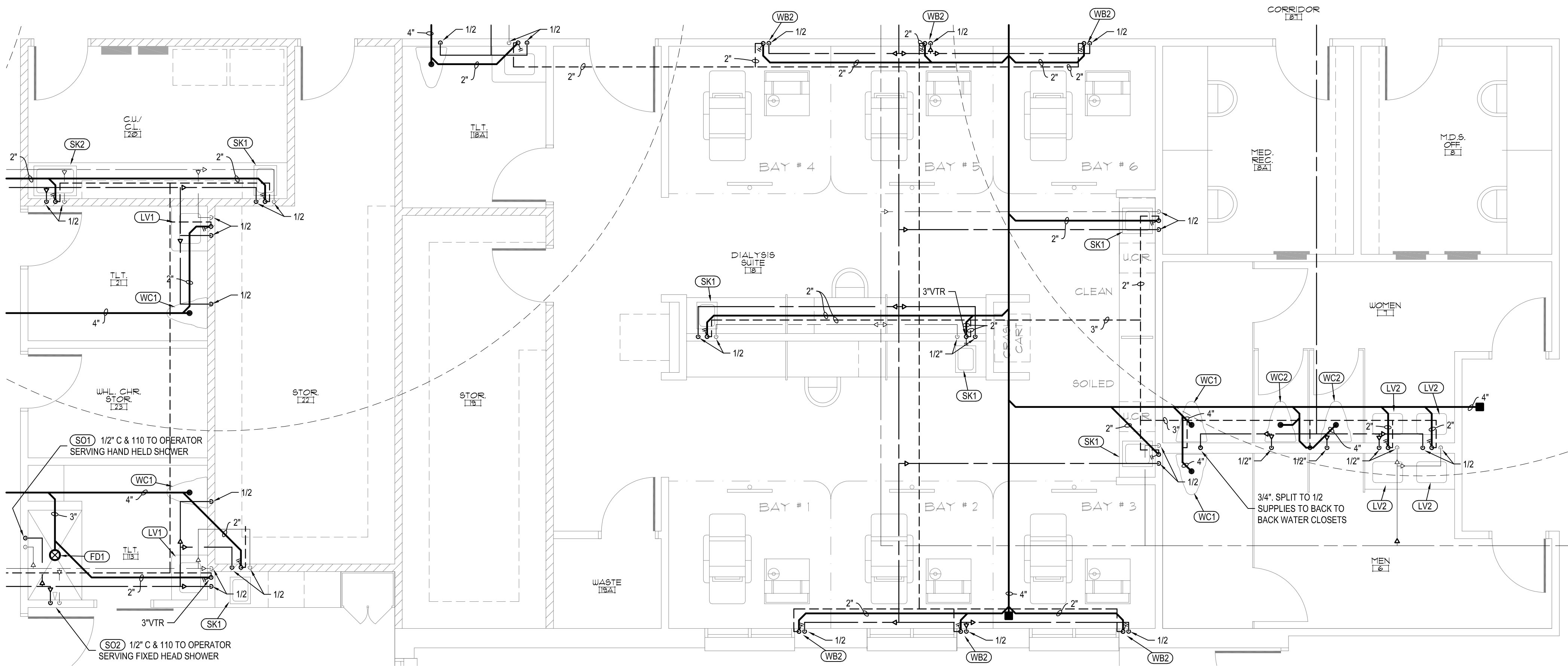
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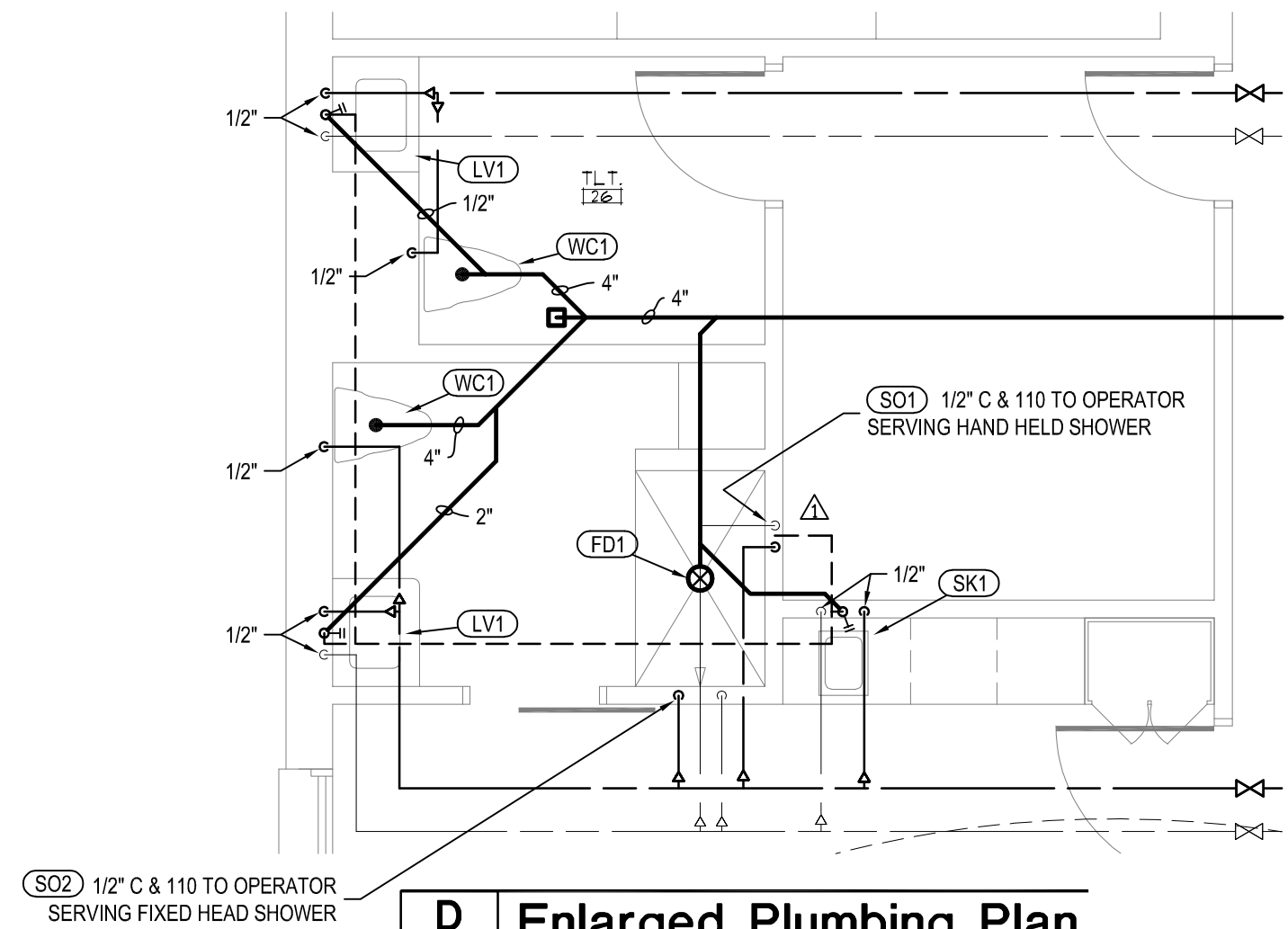
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**P
6**

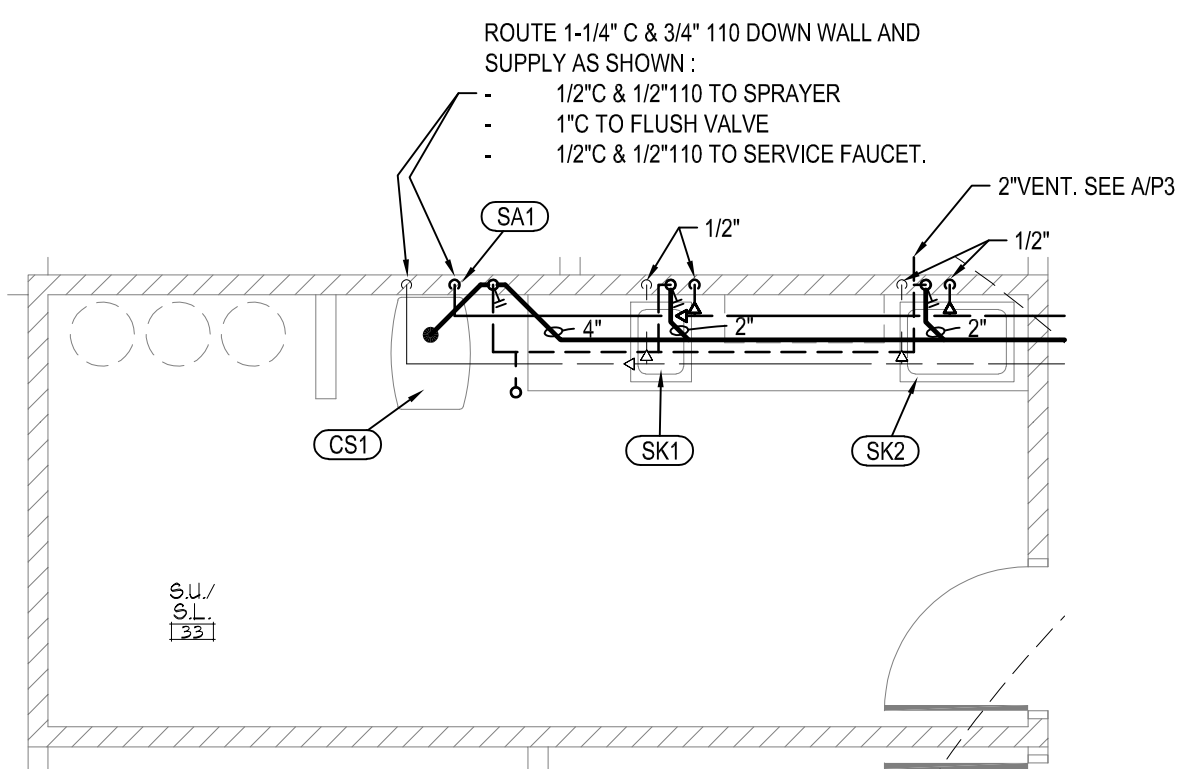
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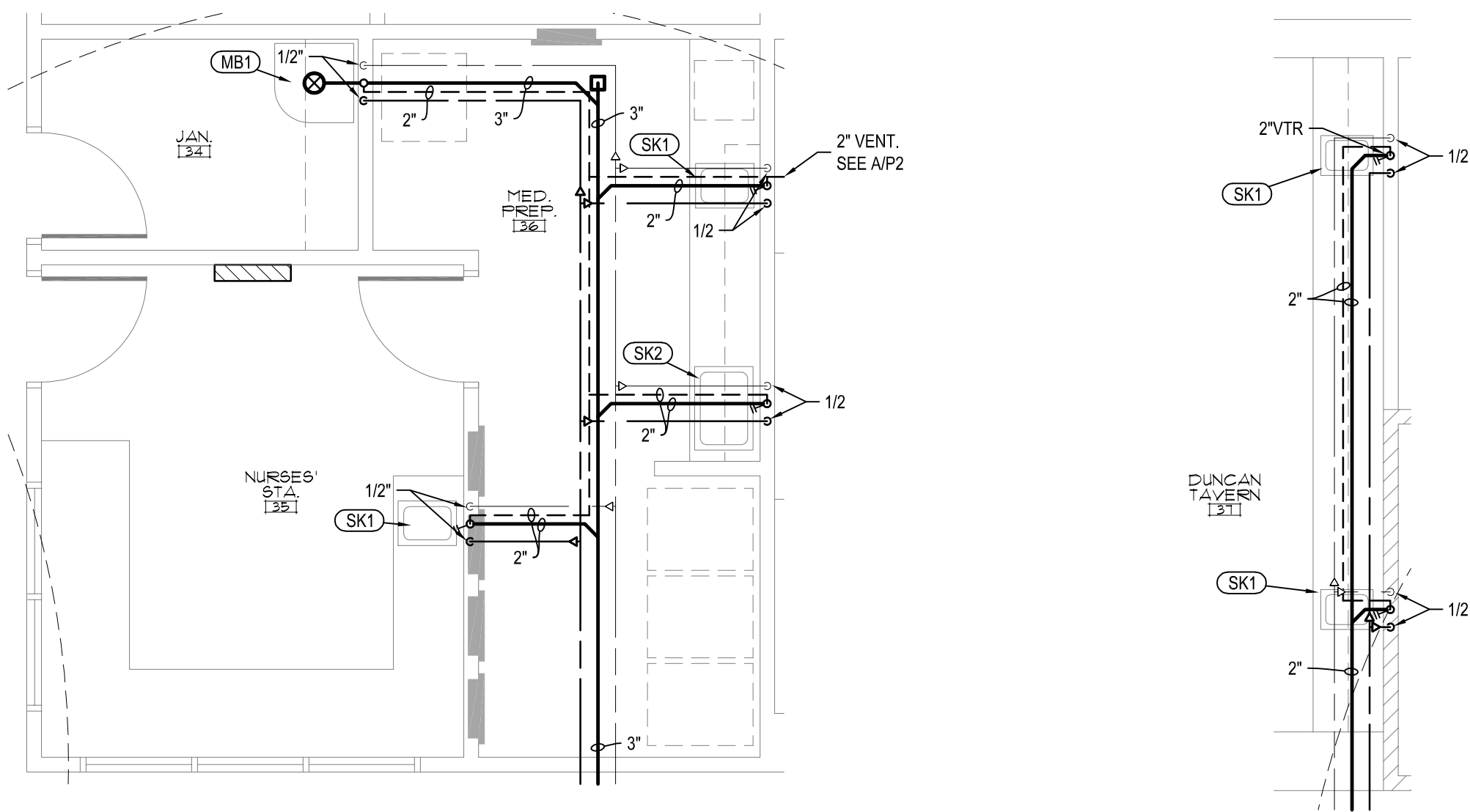
A Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



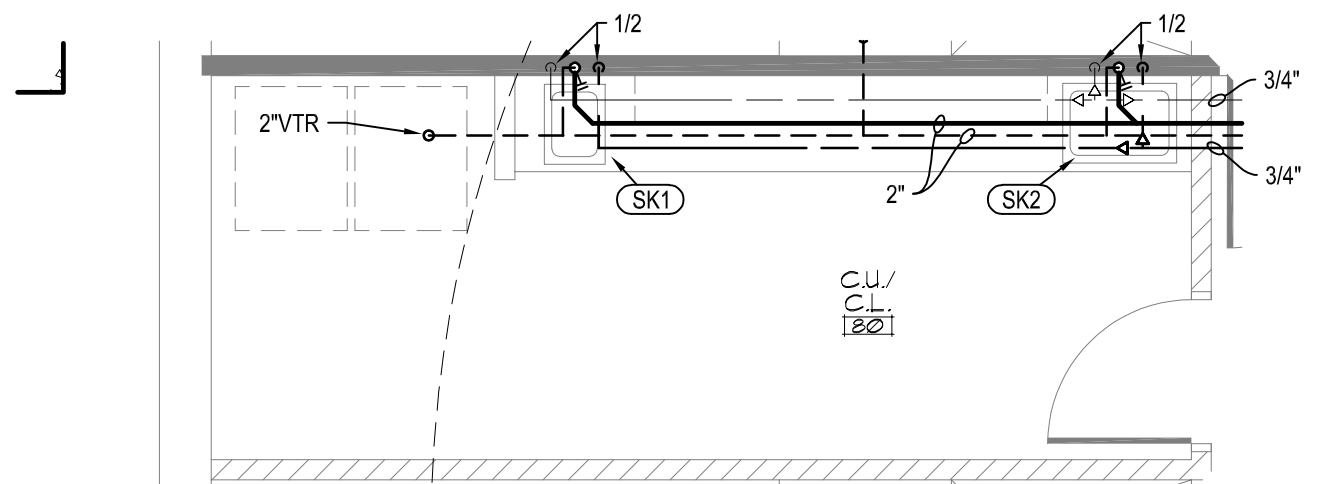
D Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



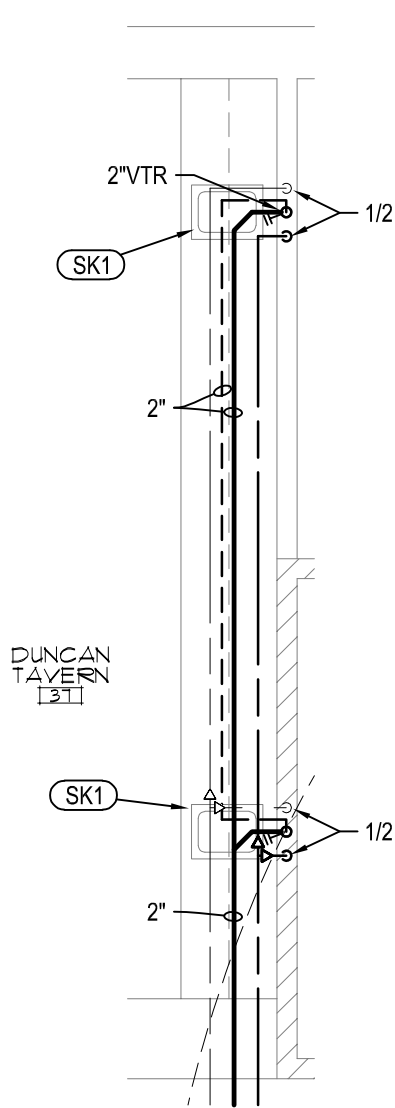
E Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



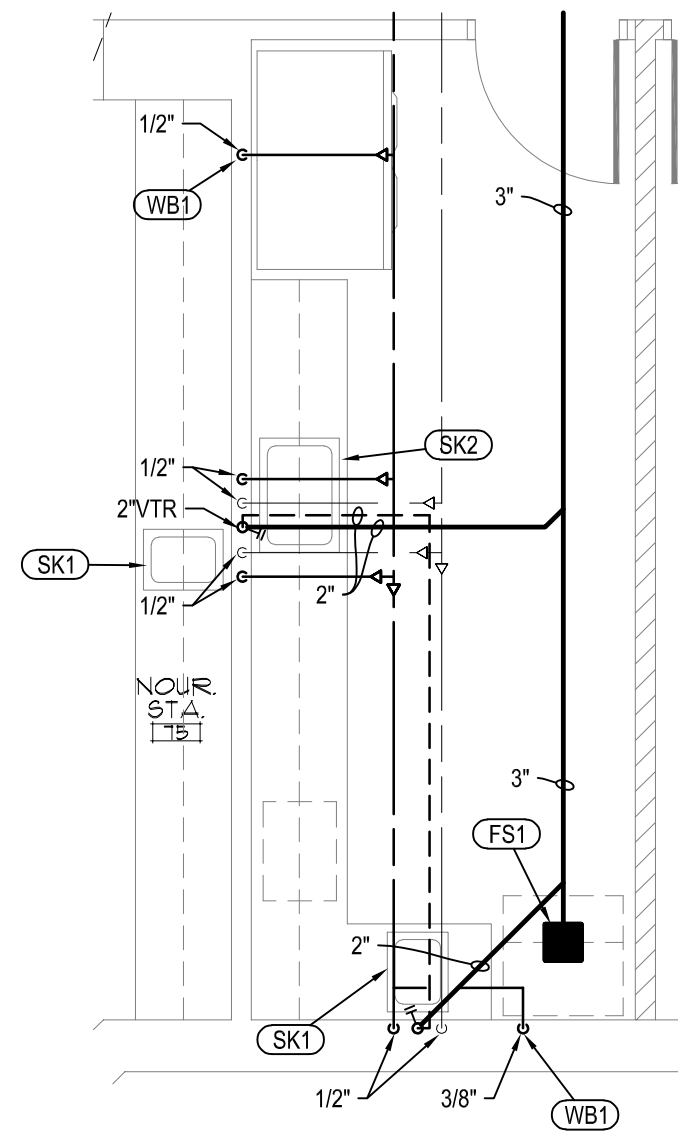
F Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



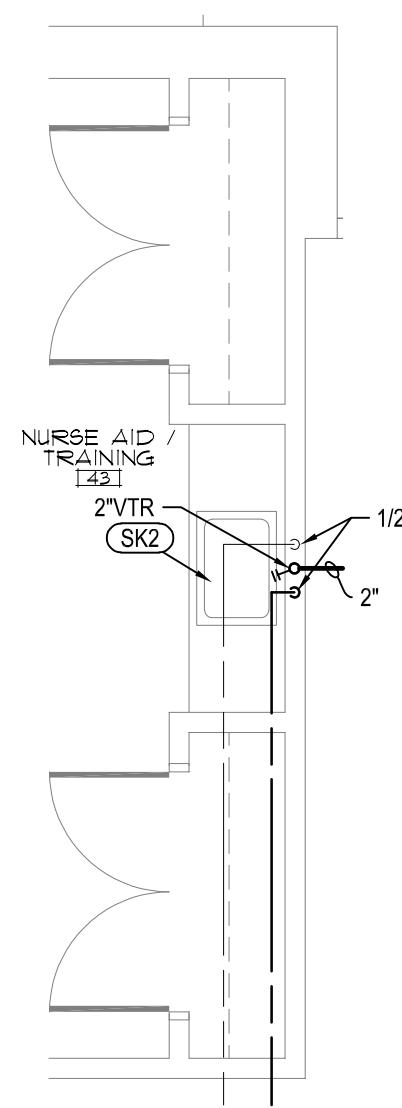
J Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



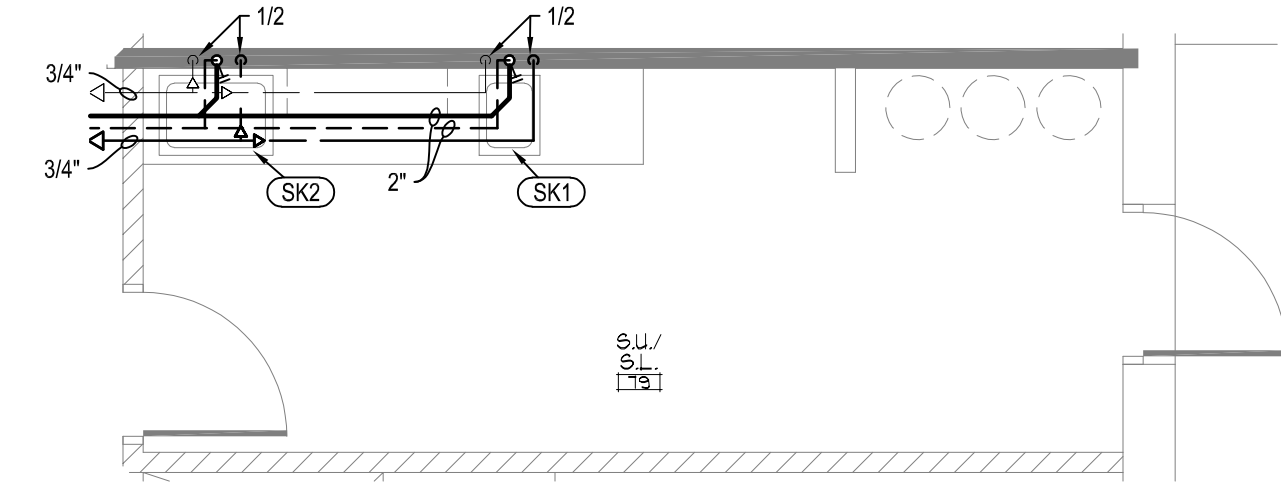
G Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



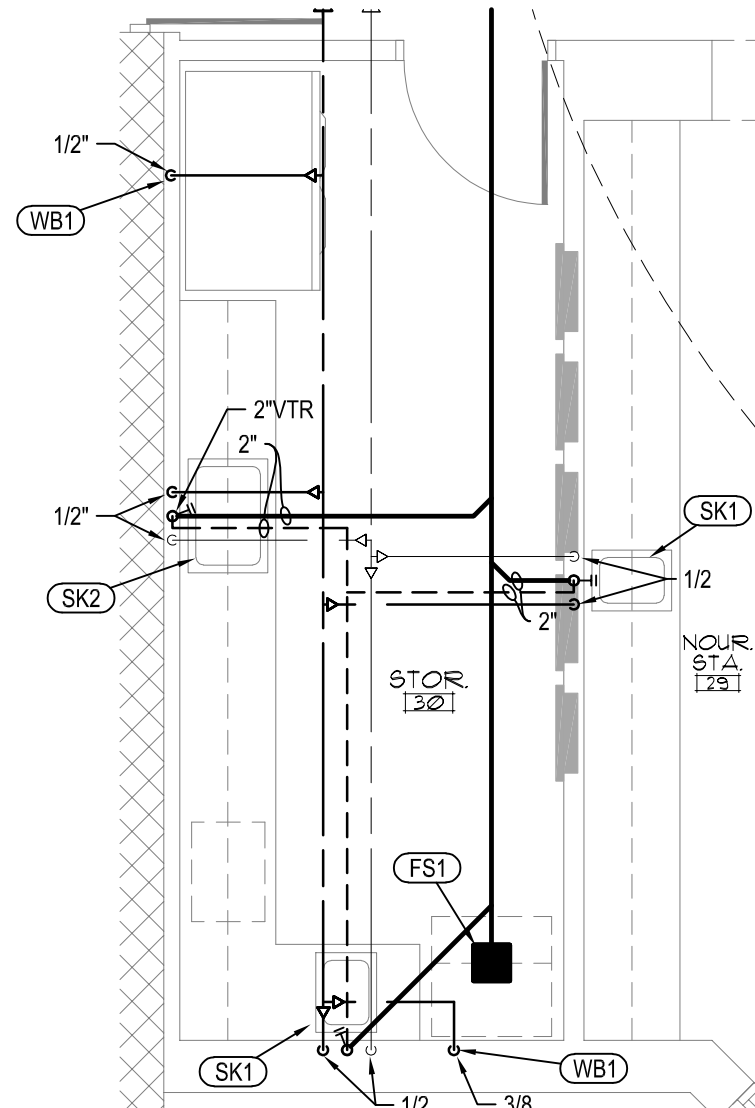
B Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



C Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



H Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"



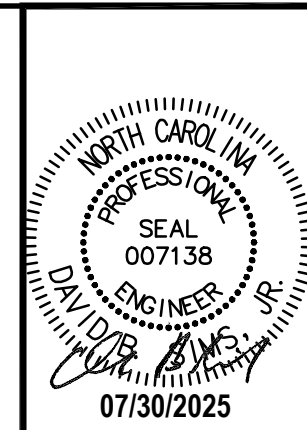
I Enlarged Plumbing Plan
P7 SCALE: 1/4" = 1'-0"

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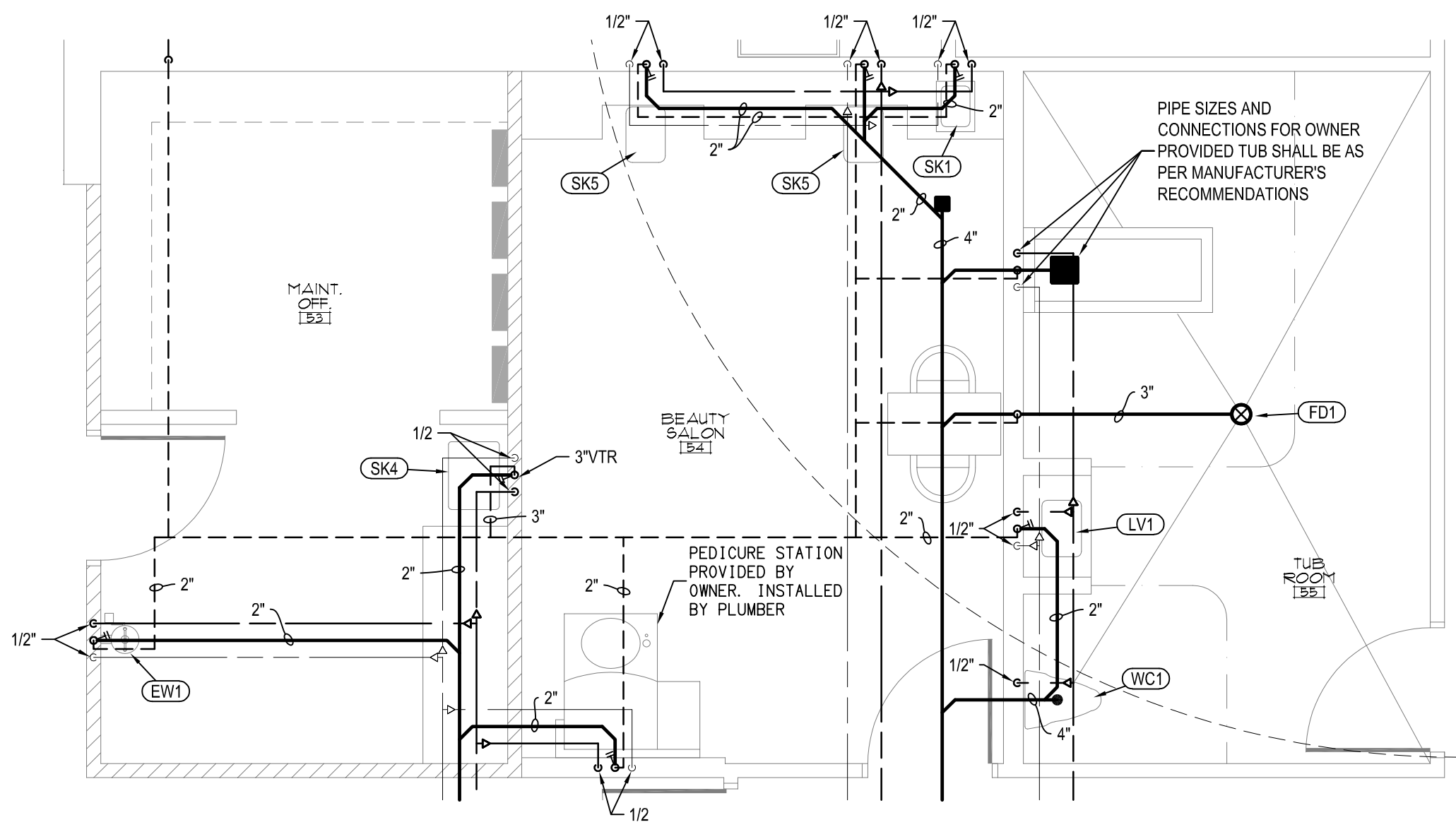


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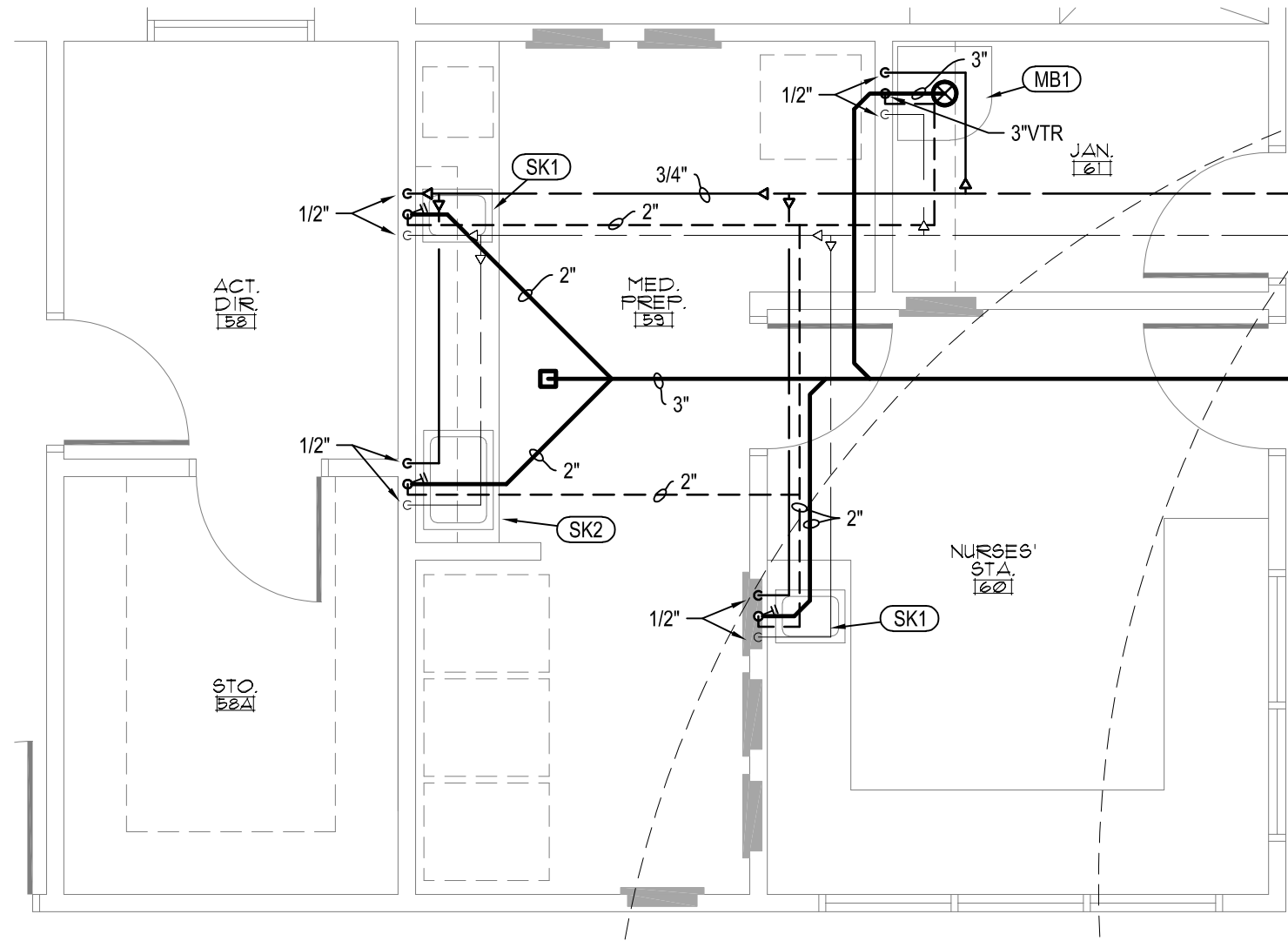
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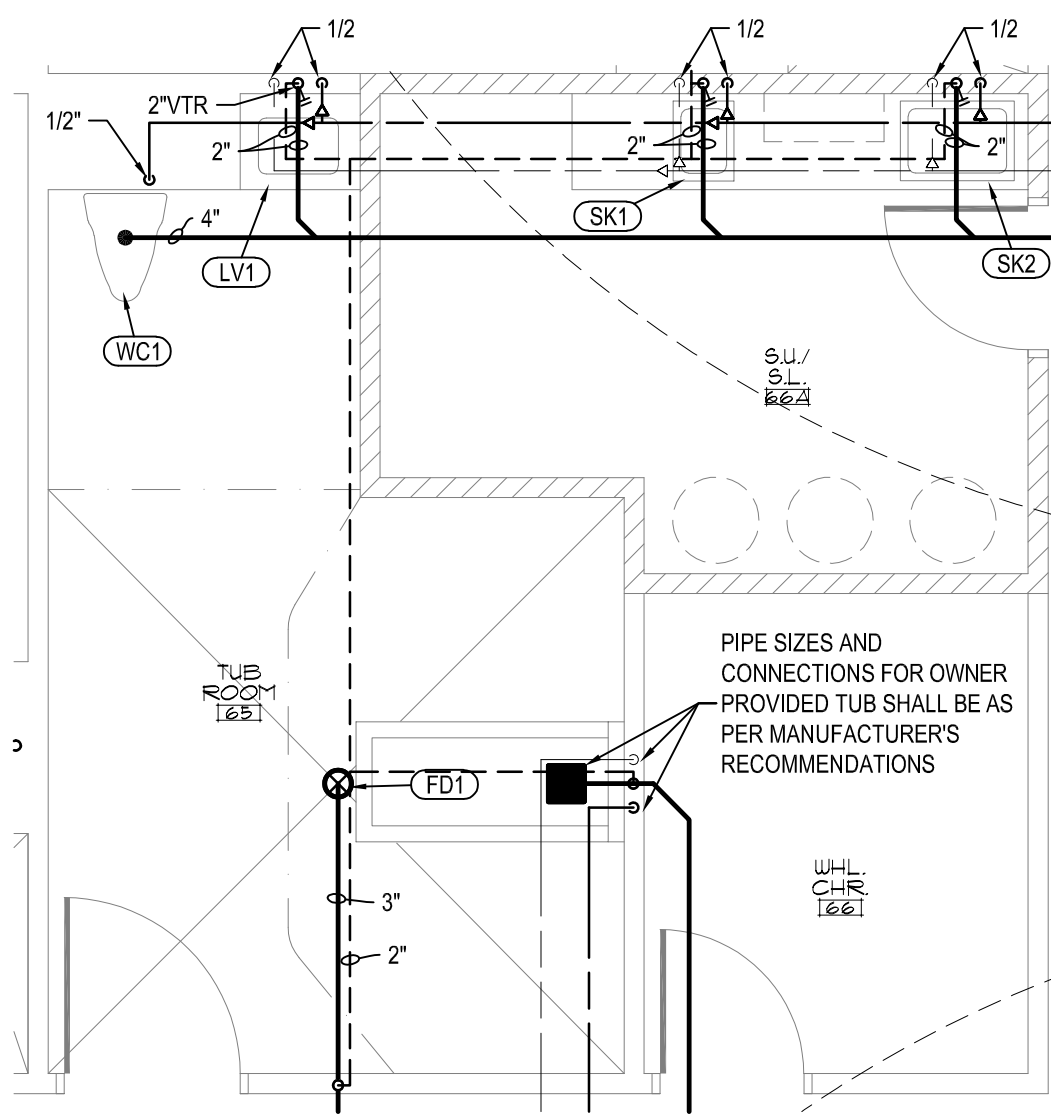
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7**



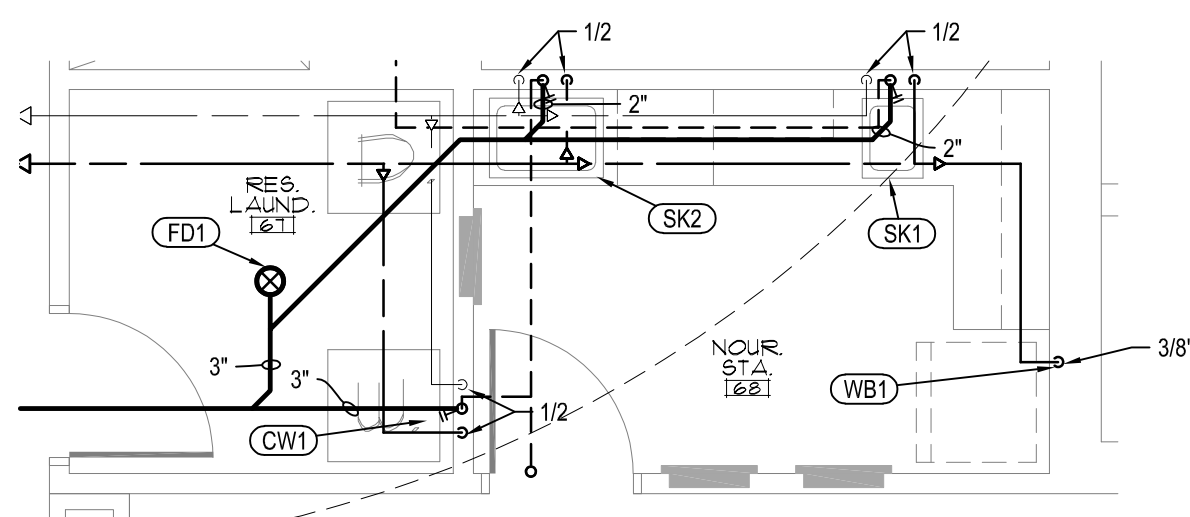
A Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



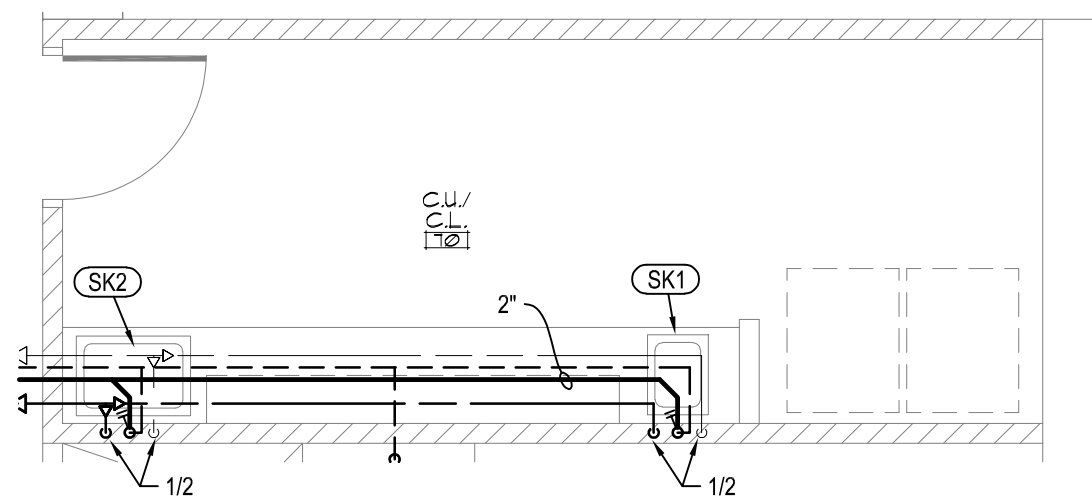
B Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



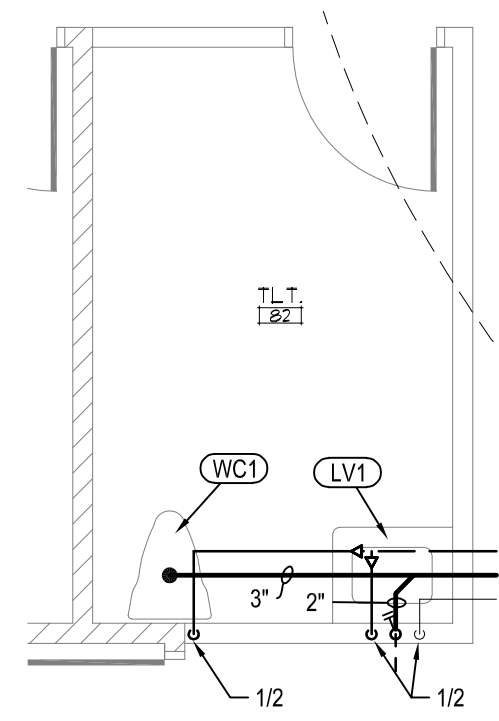
C Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



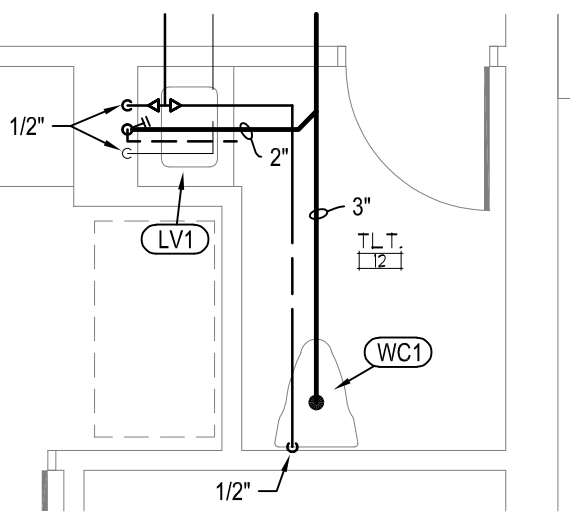
E Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



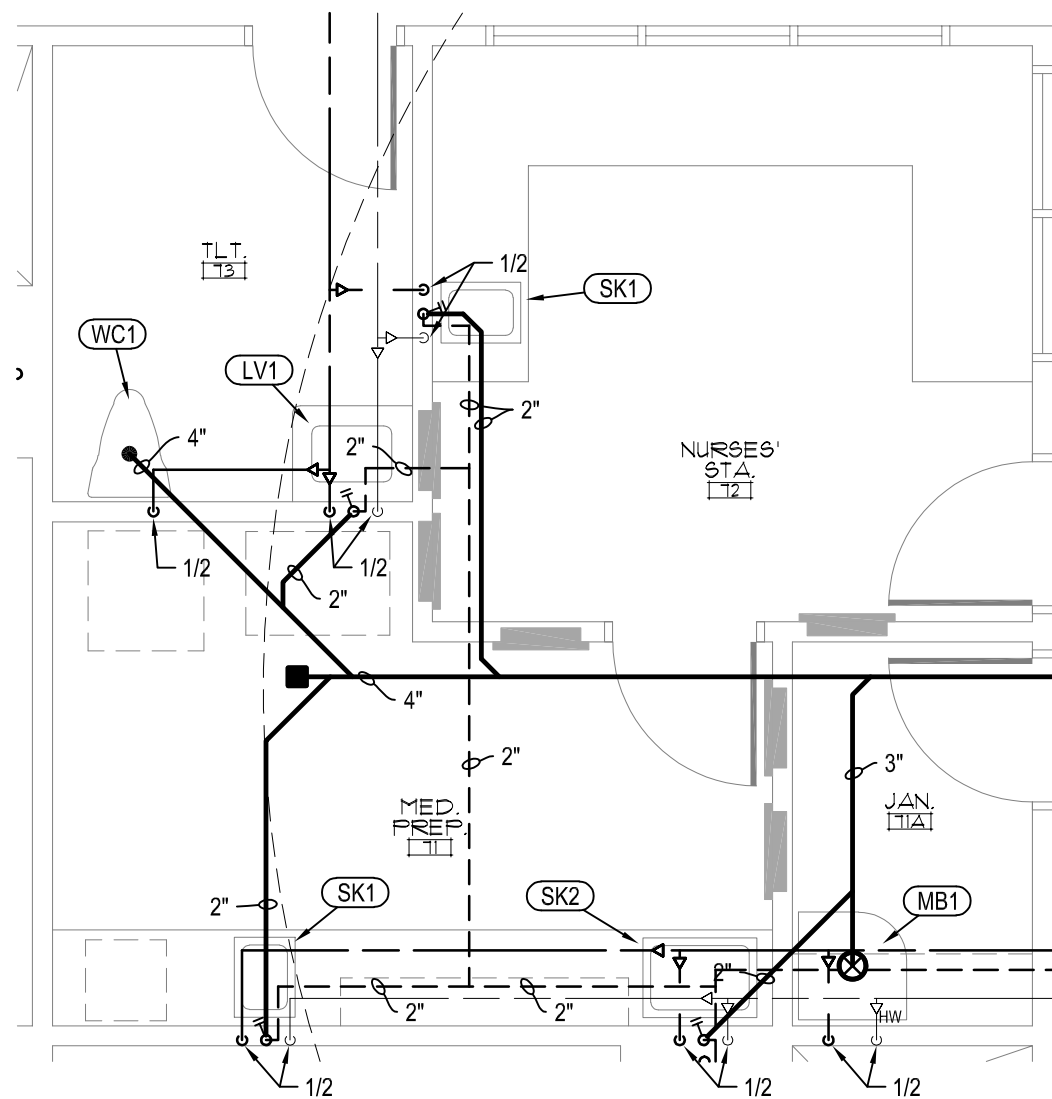
F Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



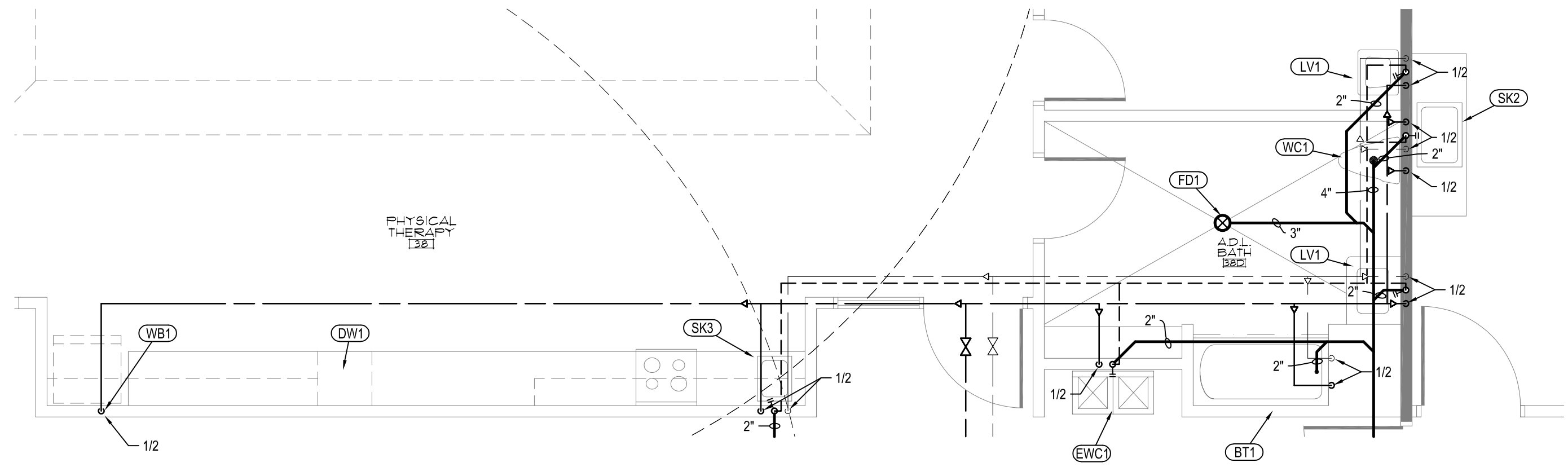
H Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



I Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



D Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"



G Enlarged Plumbing Plan
P8 SCALE: 1/4" = 1'-0"

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DAVID R. POLSTON
ARCHITECT
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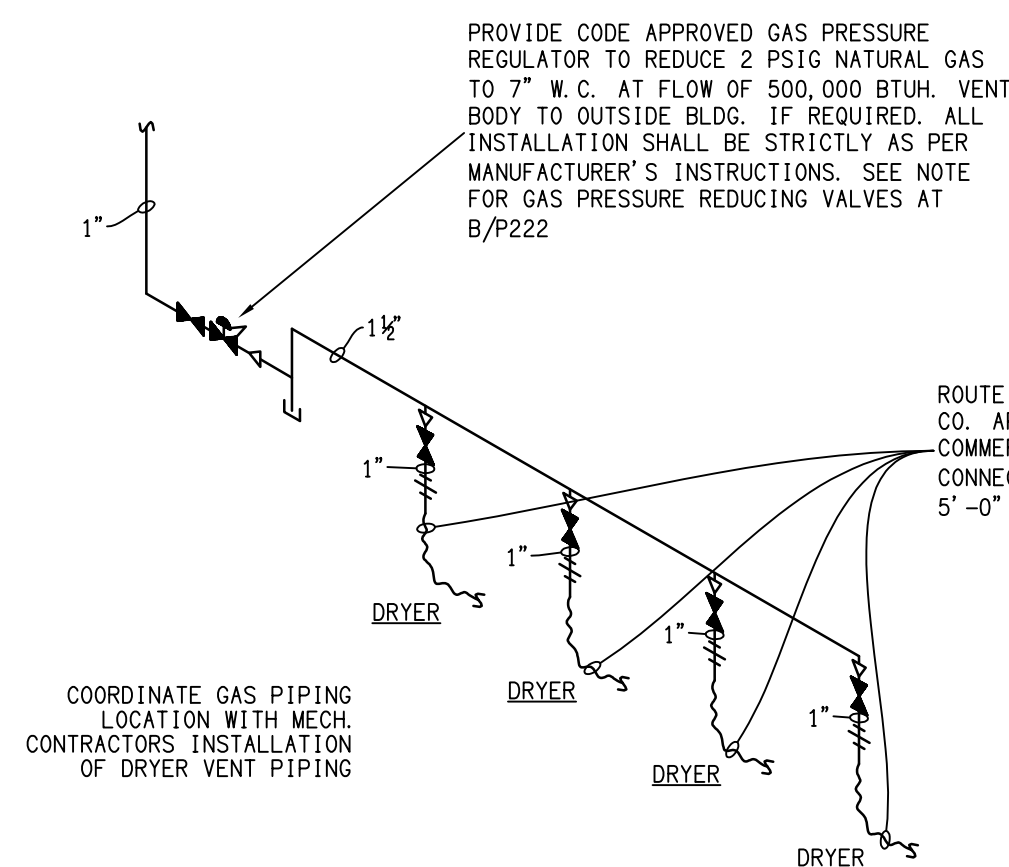
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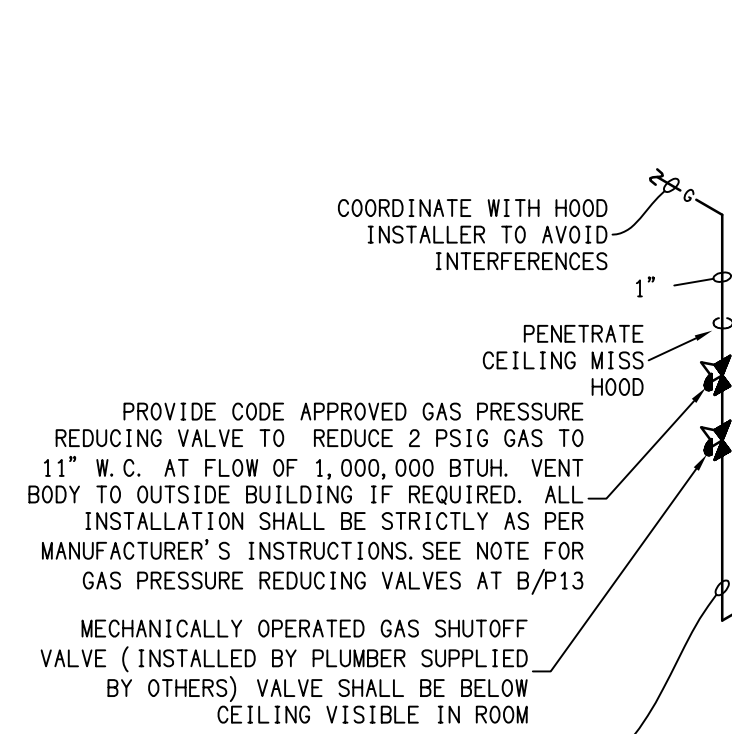
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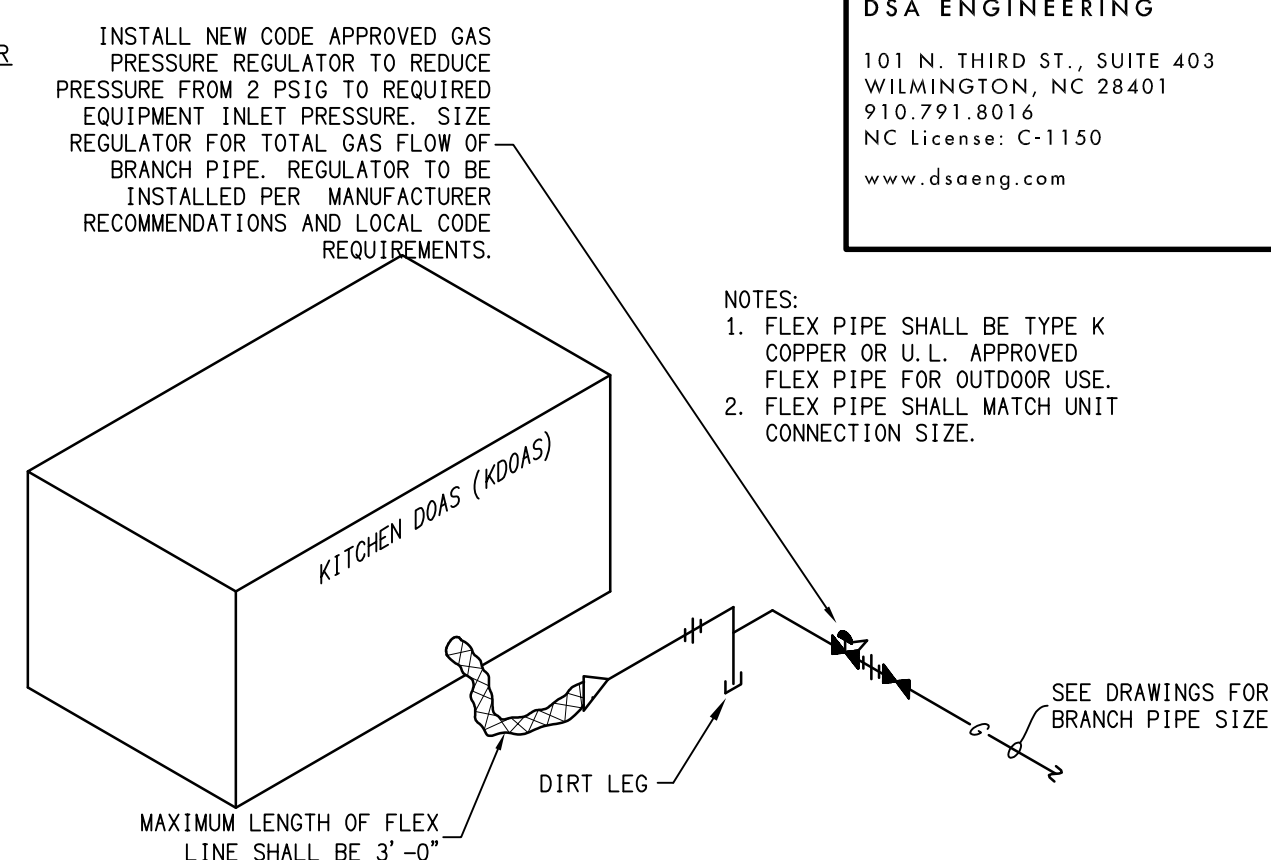
- GENERAL KITCHEN NOTES:
1. CONSULT KITCHEN VENDOR PLANS FOR ROUGH-IN DIMENSIONS, EQUIPMENT, DRAIN LOCATIONS & ALL EQUIPMENT DESCRIPTION.
 2. ALL WATER AND GAS PIPING ROUTES ABOVE CEILING, DROPPING DOWN TO FIXTURES AND APPLIANCES. PROVIDE ANGLE STOP VALVES TO ALL KITCHEN SINKS. PROVIDE GATE VALVES FOR OTHER KITCHEN WATER USERS.
 3. 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.
 4. ALL VTR MUST BE 25" MINIMUM FROM AIR INTAKES FOR KITCHEN HOOD. COORDINATE WITH MECHANICAL CONTRACTOR.
 5. STEAMERS SHALL HAVE BACKFLOW PREVENTER RATED FOR CONSTANT PRESSURE INSTALLED IN WATER SUPPLY LINE.
 6. BEVERAGE MACHINES SHALL HAVE ASSE 1022 CERTIFIED BACKFLOW PREVENTER INSTALLED IN WATER SUPPLY LINE.
 7. ANY WASTE BRANCH THAT IS TO RECEIVE DISCHARGE GREATER THAN 140" MUST BE CAST IRON.
 8. ICE VENDING MACHINES SHALL HAVE ASSE 1024 CERTIFIED BACKFLOW PREVENTER INSTALLED IN WATER SUPPLY LINE.
 9. ALL HAND SINKS AND LAVATORIES LOCATED IN THE KITCHEN AREA SHALL HAVE MIX VALVE INSTALLED TO TEMPER HOT WATER TO WASHING TEMPERATURE.



B	Gas Piping to Dryers
P9	SCALE: NOT TO SCALE



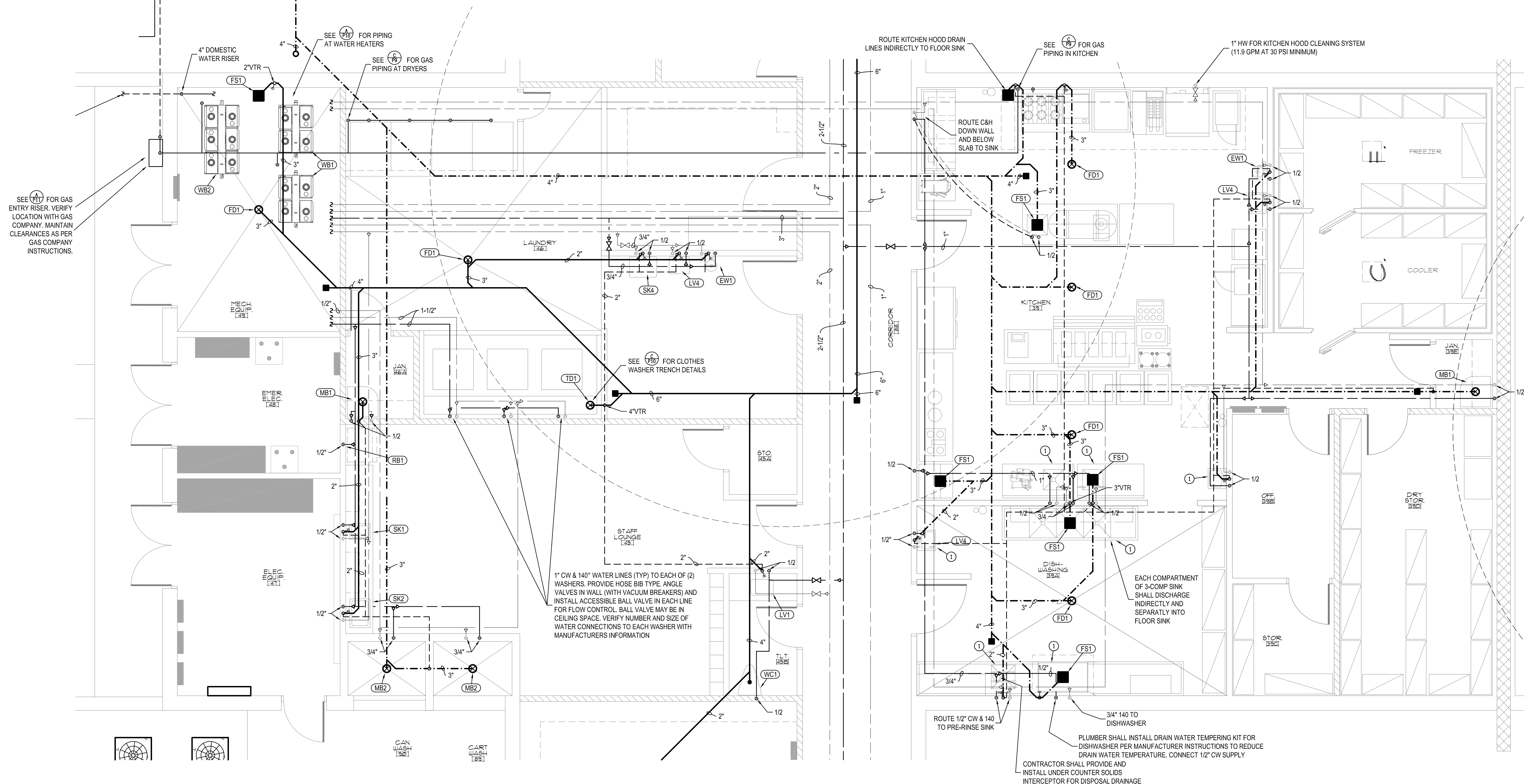
C	Gas Piping in Kitchen
P9	SCALE: NOT TO SCALE



D	Gas Piping at KDOAS
P9	SCALE: NOT TO SCALE

NOTES:

1. FLEX PIPE SHALL BE TYPE K COPPER OR U.L. APPROVED FLEX PIPE FOR OUTDOOR USE.
2. FLEX PIPE SHALL MATCH UNIT CONNECTION SIZE.

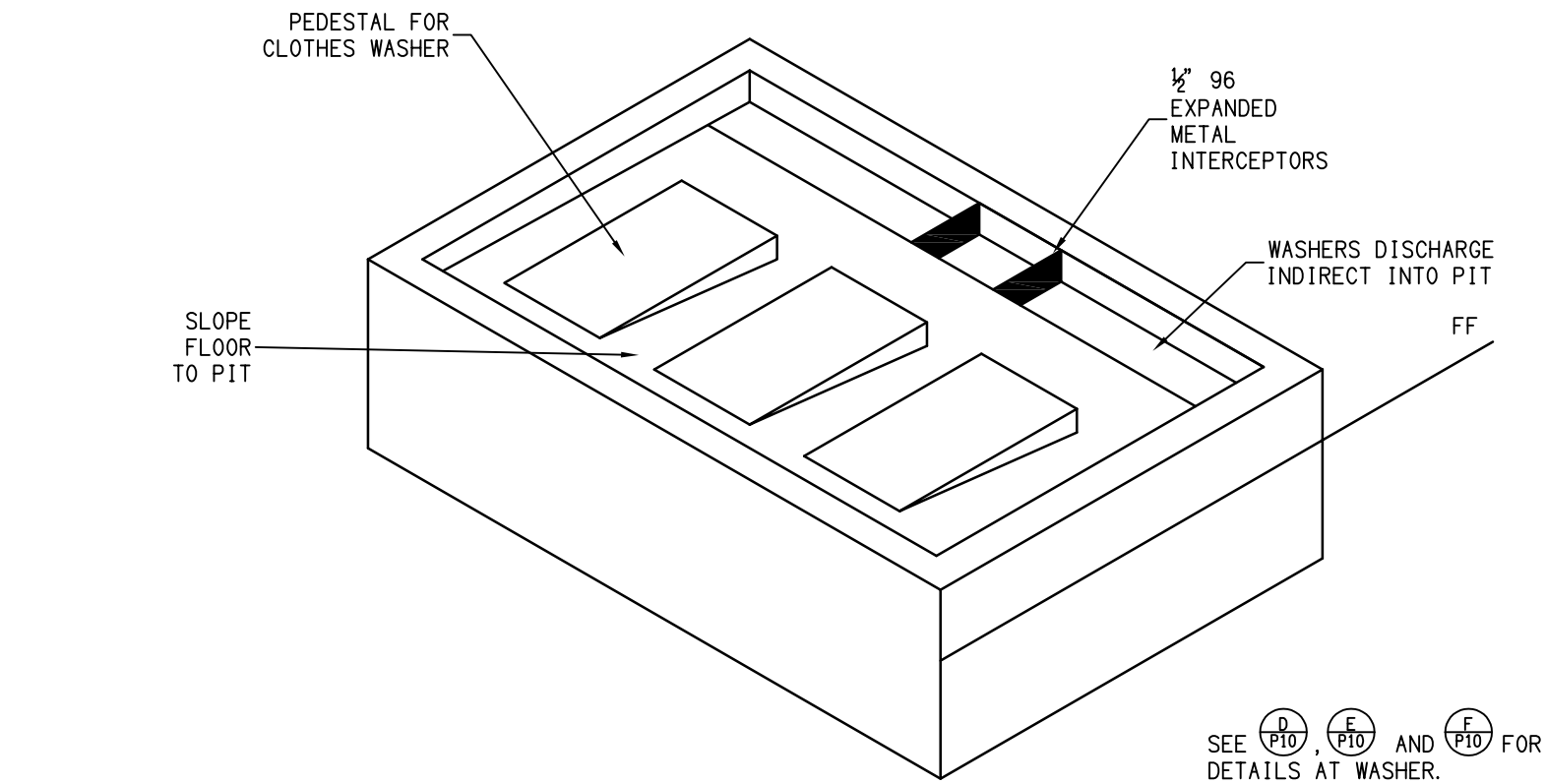


A	Enlarged Plumbing Plan
P9	SCALE: 1/4" = 1'-0"

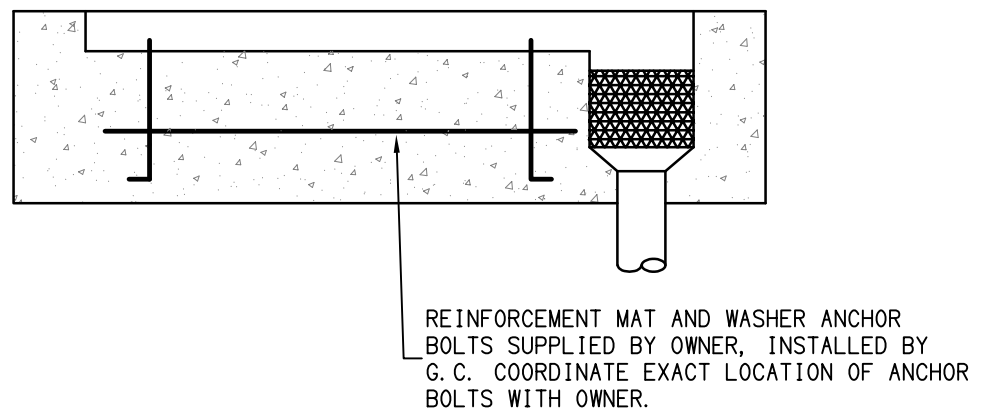
KEYED NOTES :

① - PLUMBING FIXTURE PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. FINAL CONNECTION BY PLUMBER.

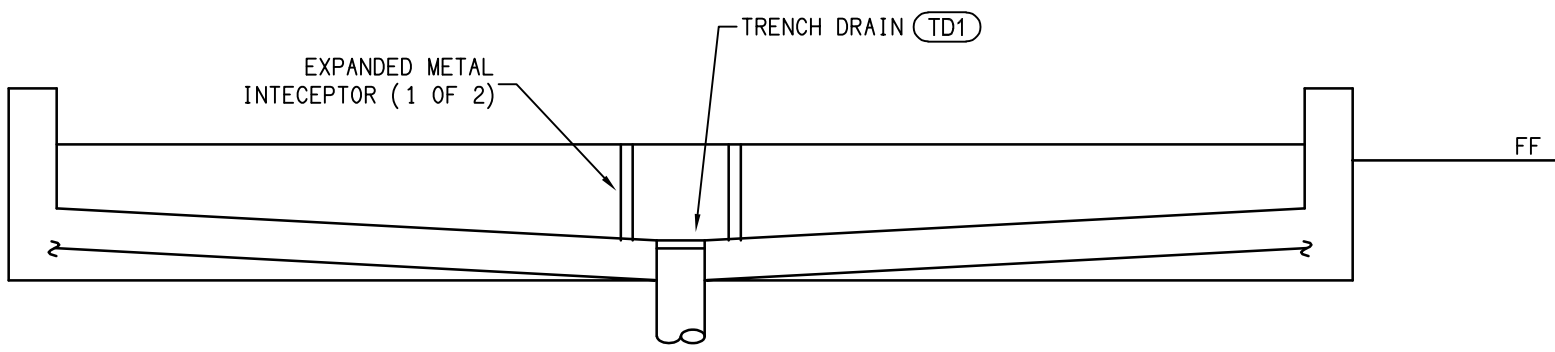
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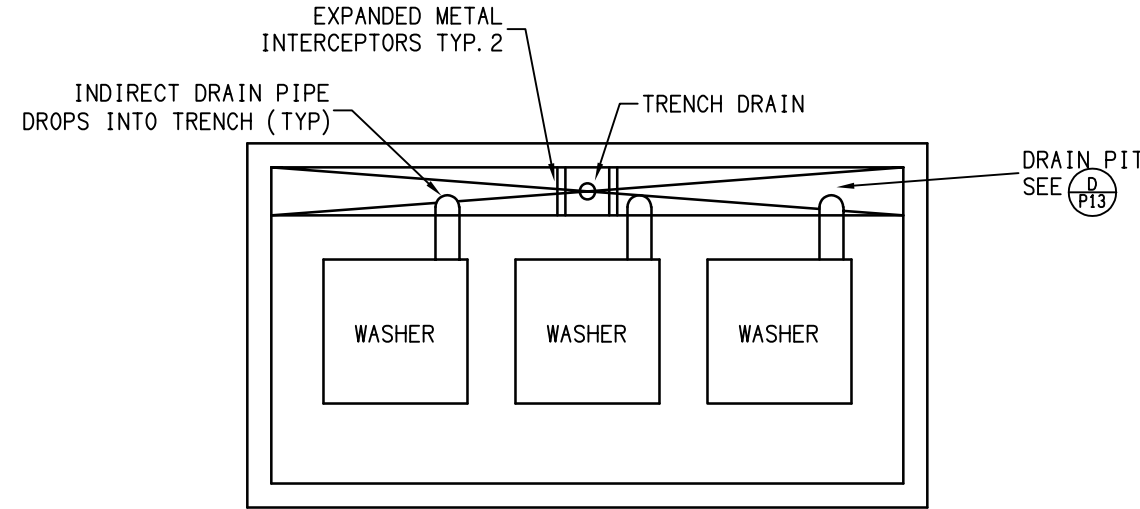
C CLOTHES WASHER FOUNDATION
P10 SCALE: NO SCALE



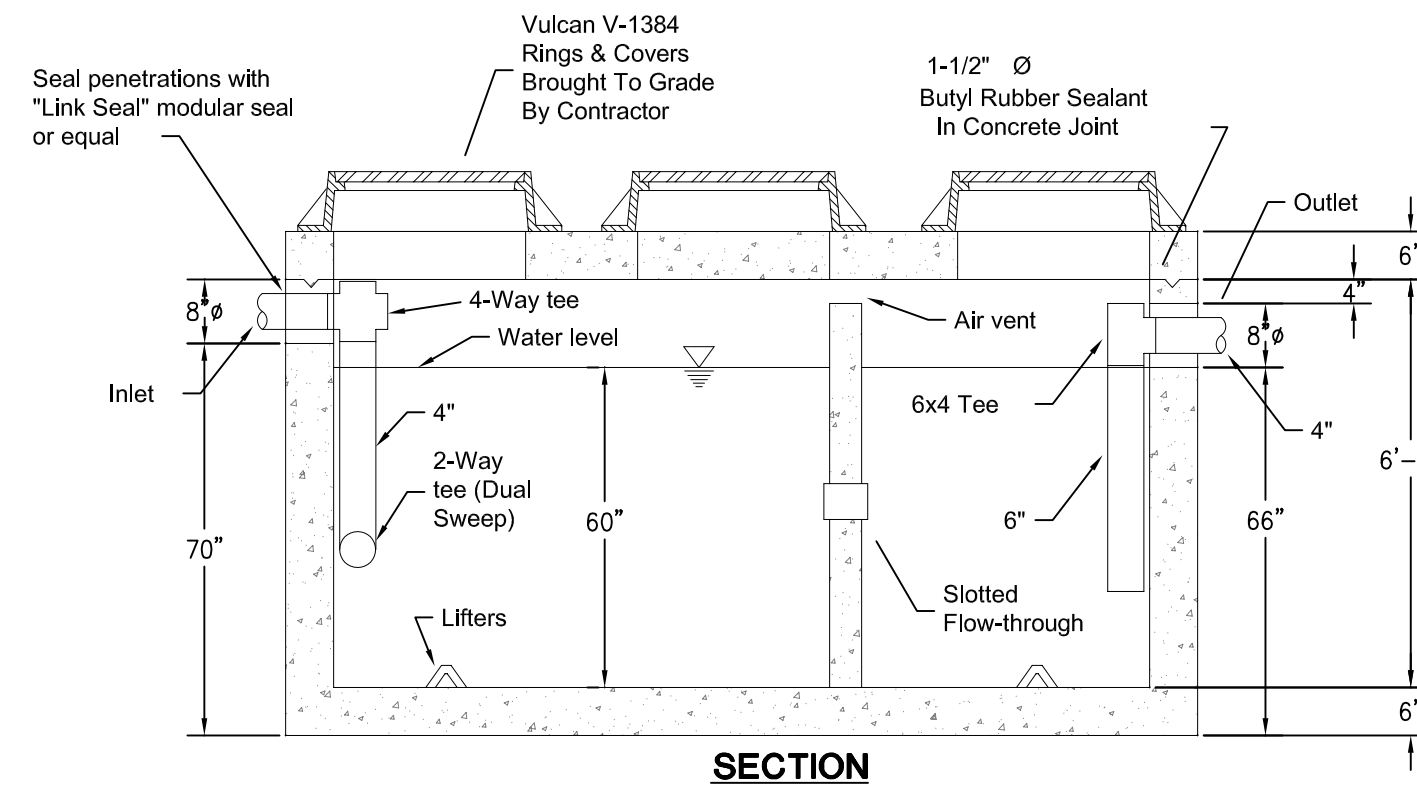
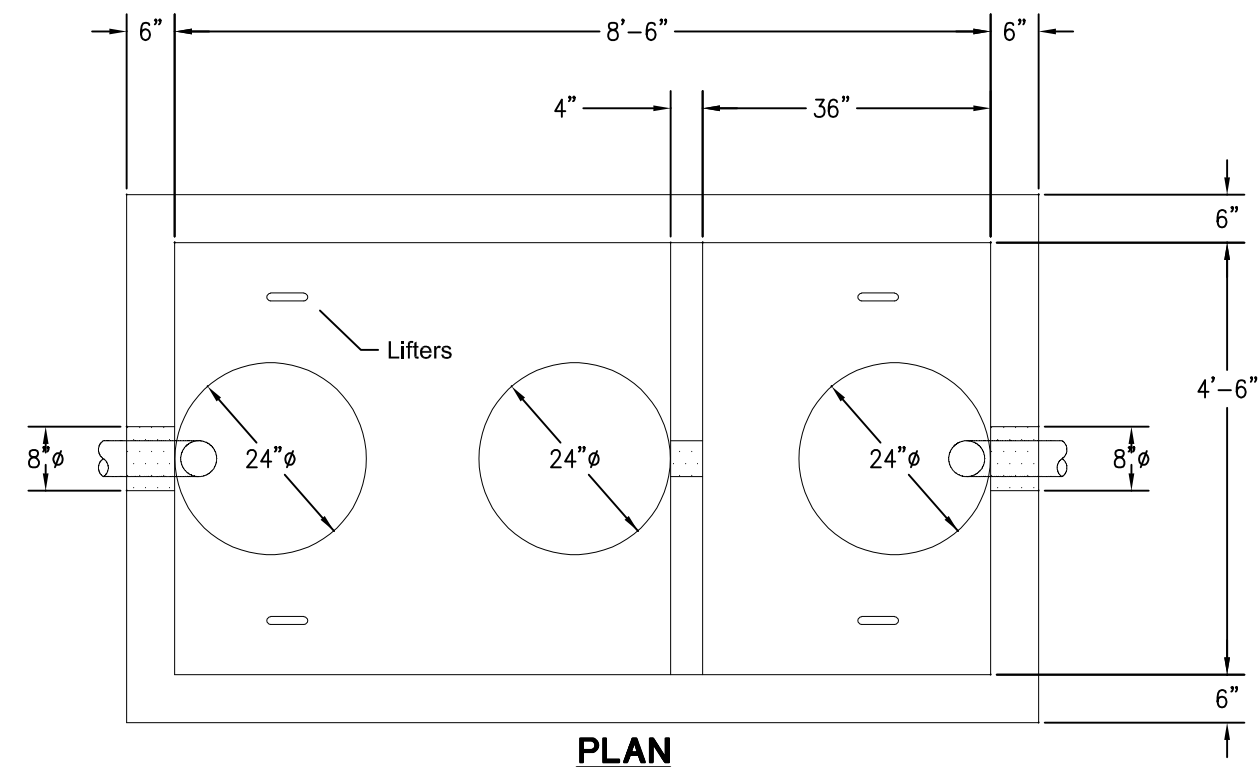
F METAL INTECEPTOR
P10 SCALE: NO SCALE



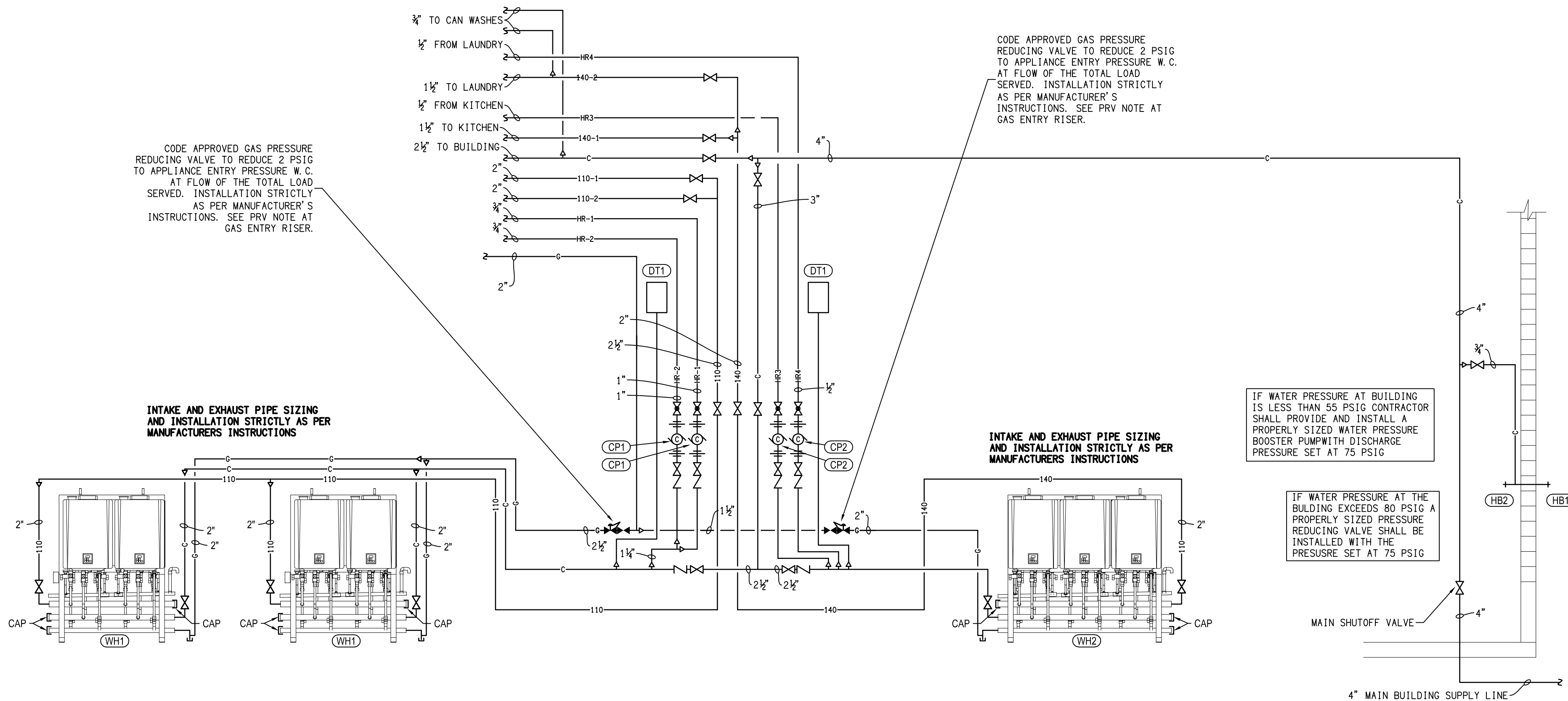
E DRAIN PIT DETAIL
P10 SCALE: NO SCALE



D WASHER DRAINAGE
P10 SCALE: NO SCALE



B 1500 GAL. GREASE INTERCEPTOR
P10 SCALE: NO SCALE BY PLUMBING CONTRACTOR



A PIPING AT DOMESTIC WATER HEATERS - SCHEMATIC
P10 SCALE: NO SCALE

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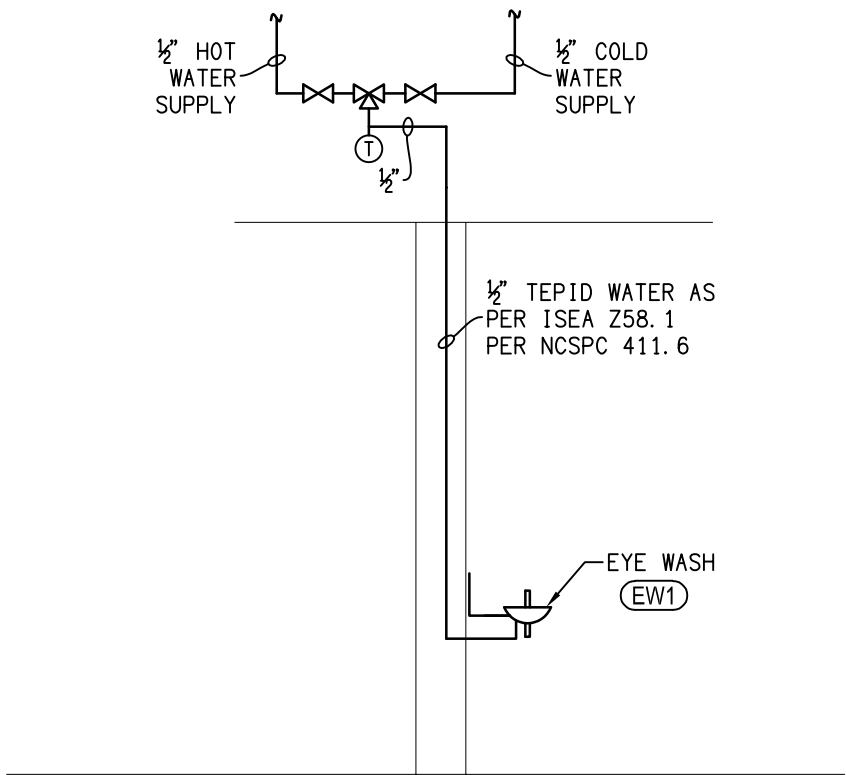
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10**

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"x3/8" 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 BARIATRIC	1/2"	–	3"	1/2"x3/8" 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"x3/8" 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"x3/8" 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"x3/8" 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 LKA2437BH GOOSENECK FAUCET P-TRAPW/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-TRAPW/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
(SK3)	SINGLE COMPARTMENT SINK – HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	GEOR3321	INCLUDE AMERICAN STANDARD #6540.168 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAPW/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
(SK3)	SINGLE COMPARTMENT SINK – HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	GEOR3321	INCLUDE AMERICAN STANDARD #6540.168 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAPW/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
(SK4)	SINGLE COMPARTMENT SINK – HANDICAP	1/2"	1/2"	1-1/2"	1/2x3/8 ANGLE	ELKAY	GEOR3321	INCLUDE AMERICAN STANDARD #6540.168 GOOSENECK FAUCET W/6" WRIST BLADE HANDLES P-TRAPW/CLEANOUT, STRAINER, BRASSCRAFT R19C SUPPLY VALVES, WRIST BLADE HANDLES. SEE NOTE 1.
(BT1)	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
(CS1)	CLINICAL SINK W/BEDPAN CLEANER & SERVICE FAUCET	1" 1/2" 1/2"	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.
(MB1)	MOP SINK	3/4"	3/4"	3"	–	FIAT	MSB2424	FAUCET: 830AA W/VACUUM BREAKER / HOSE: 832-AA MOP HANGER: 889-CC / STRAINER: E72-DD SEE NOTE 6
(MB2)	MOP SINK CAN WASH	3/4"	3/4"	3"	–	FIAT	MSB2424	FAUCET: 830AA W/VACUUM BREAKER / HOSE: 832-AA MOP HANGER: 889-CC / STRAINER: E72-DD SEE NOTE 6
(FD1)	SHOWER DRAIN	–	–	3"	–	ZURN	ZN-415-5B	NIKALOX TOP.
(FD2)	FLOOR DRAIN	–	–	SEE PLAN FOR SIZE	–	ZURN	ZN-415-5B-P	NIKOLAY TOP DEEP SEAL TRAP. PROVIDE PRIMER TAP. SEE NOTE 5
(FS1)	FLOOR SINK	–	–	3"	–	ZURN	ZN-1900-2-23-K	ALL WASTE PIPES DRAINING INTO FLOOR SINKS SHALL BE INSTALLED IN ACCORDANCE WITH NCSCB-PC ARTICLE 802.2.1 HALF TOP GRATE, 12"x12" TOP, SEDIMENT BUCKET.
(RB1)	REFRIGERATOR VALVE BOX	3/8"	–	–	–	–	–	INCLUDE SHUTOFF VALVE AND RECESSED WALL BOX
(HB1)	HOSE BIBB	3/4"	–	–	–	WOODFORD	25	PROVIDE VACUUM BREAKER FREEZEPROOF
(HB2)	HOSE BIBB	3/4"	–	–	–	WOODFORD	24	PROVIDE VACUUM BREAKER
(CO1)	FINISHED FLOOR CLEANOUT	–	–	–	–	ZURN	ZN-1400-T	WITH NIKOLAY TOP
(CO2)	EXTERIOR CLEANOUT	–	–	–	–	ZURN	Z-1400	WITH CAST IRON TOP. SEE (B) (11)
(CO3)	WALL CLEANOUT COVERPLATE	–	–	–	–	ZURN	Z-1469	STAINLESS STEEL
(DW1)	DISHWASHER CONNECTION	–	1/2"	1"	–	–	–	CONNECT WATER & WASTE TO ADJACENT SINK IN A CODE APPROVED MANNER.
(SA1)	SHOCK ARRESTER	3/4"	–	–	–	ZURN	Z-1700-100	–
(EWC1)	ELECTRIC WATER COOLER B1-LEVEL	1/2"	–	1-1/4"	–	ELKAY	EZSTL-8-C	COLOR BY ARCHITECT. SEE NOTE 1
(GI1)	GREASE INTERCEPTOR	–	–	4"	–	STAYRIGHT	–	TRAFFIC RATED, 1500 GALLON MINIMUM. CONSTRUCTION AND INSTALLATION SHALL COMPLY WITH LOCAL REQUIREMENTS. SEE B/P10.
(TD1)	TRENCH DRAIN	–	–	6"	–	ZURN	Z-550-Y	CAST IRON TOP – BUCKET Z-1099 BACKWATER BALL FLOAT.
(DW1)	DISHWASHER CONNECTION	–	1/2"	1"	–	–	–	CONNECT WATER & WASTE TO ADJACENT SINK IN A CODE APPROVED MANNER.
(CW1)	CLOTHES WASHER CONNECTION	1/2"	1/2"	2"	–	–	–	INCLUDE HOT & COLD SHUTOFF VALVES, INDIRECT DRAIN AND RECESSED WALL BOX
(EW1)	EMERGENCY EYE WASH	1/2"	1/2"	–	–	BRADLEY	S19-220T	INCLUDE BRADLEY S19-2000 EFX8 THERMOSTATIC MIX VALVE TO TEMPER EYEWASH WATER TO OSHA STANDARDS INCLUDE SHUTOFF VALVES ON HOT AND COLD WATER LINES
(WB1)	WALL BOX WITH SHUTOFF VALVE	1/2"	1/2"	–	–	–	–	TO BE USED FOR REFRIGERATOR AND ICE MACHINE CONNECTIONS PROVIDE AND INSTALL ANY REQUIRED BACKFLOW PREVENTION
(WB2)	WALL BOX FOR DIALYSIS EQUIPMENT	1/2"	1/2"	2"	–	–	–	PROVIDE AND INSTALL ANY REQUIRED BACKFLOW PREVENTION

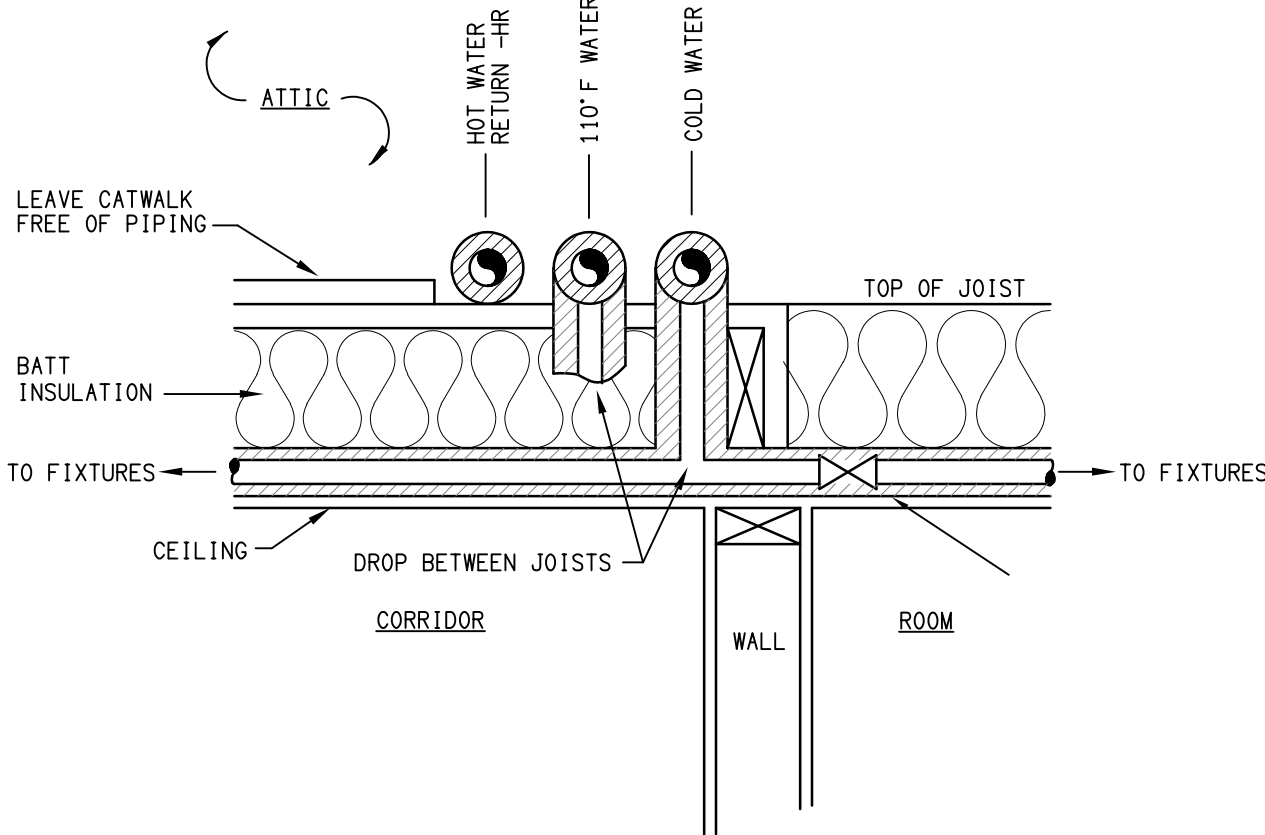
NOTES:

- 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 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 VALVE 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.
- MANUFACTURERS 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.

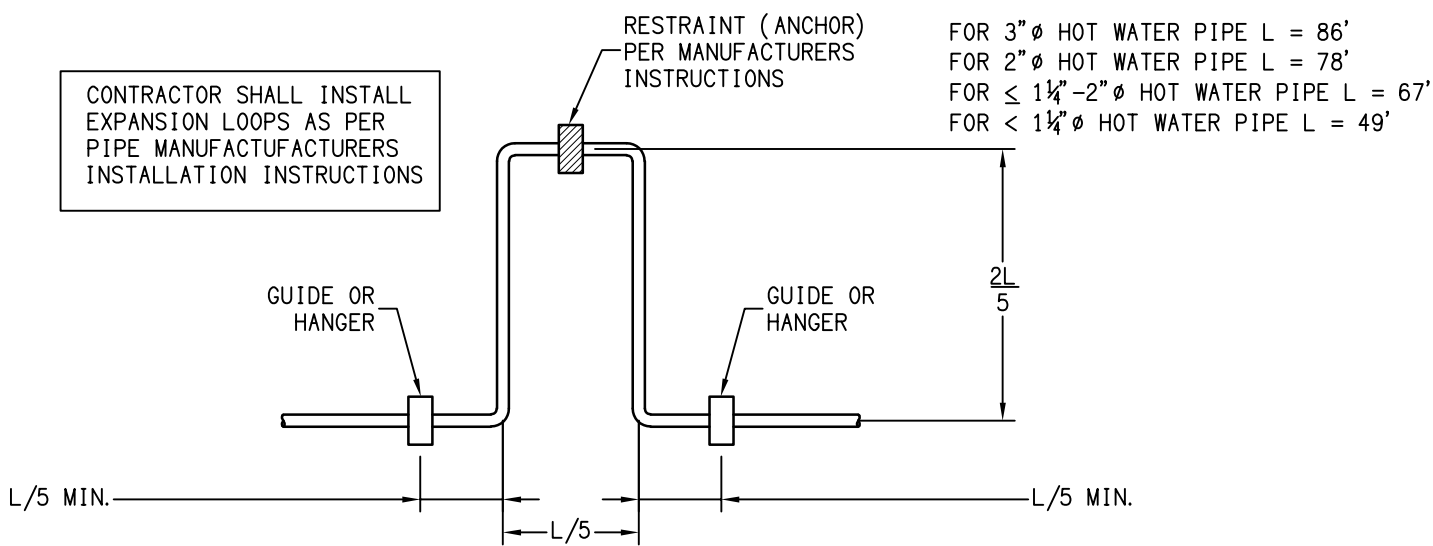
PLUMBING EQUIPMENT SCHEDULE -								
SYM.	FIXTURE	CW	HW	DRAIN	STOPS & VALVES	MANUF. (SEE NOTE 10)	MODEL (SEE NOTE 10)	REMARKS
(WH1)	INSTANTANEOUS WATER HEATER 4 UNIT RACK	2"	2"	-	GATE	RINNIA	TR504CXIN	796,000 BTUH INCLUDE FULL CONTROLS AND NEUTRALIZATION EQUIPMENT
(WH2)	INSTANTANEOUS WATER HEATER 6 UNIT RACK	2"	2"	-	GATE	RINNIA	TR506CXIN	1,194,000 BTUH INCLUDE FULL CONTROLS AND NEUTRALIZATION EQUIPMENT
(CP1)	HOT WATER CIRCULATION PUMP - 110° F	3/4"	-	-	-	TACO	0013B	5 GPM @ 33' TDH, 110 VOLT, 1/6 HP.
(CP2)	HOT WATER CIRCULATION PUMP - 140° F	3/4"	-	-	-	TACO	005B	110 VOLT, 1/35 HP, 2 GPM @ 9' TDH. INCLUDE TIMER TO TURNOFF PUMP AT NIGHT.



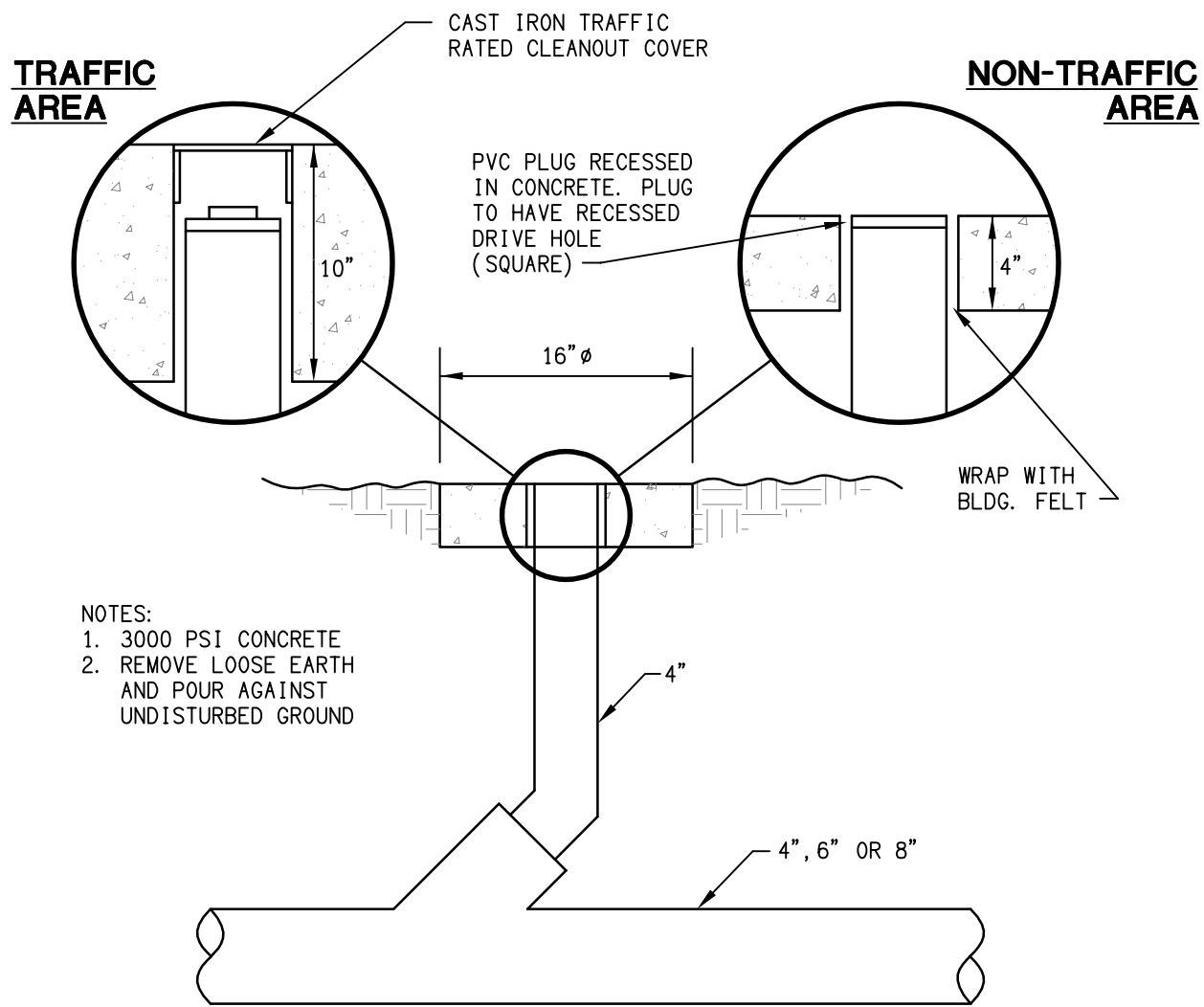
C P11 PIPING AT EYE WASH
SCALE: NO SCALE



D P11 WATER PIPE ABOVE CORRIDORS
SCALE: NO SCALE



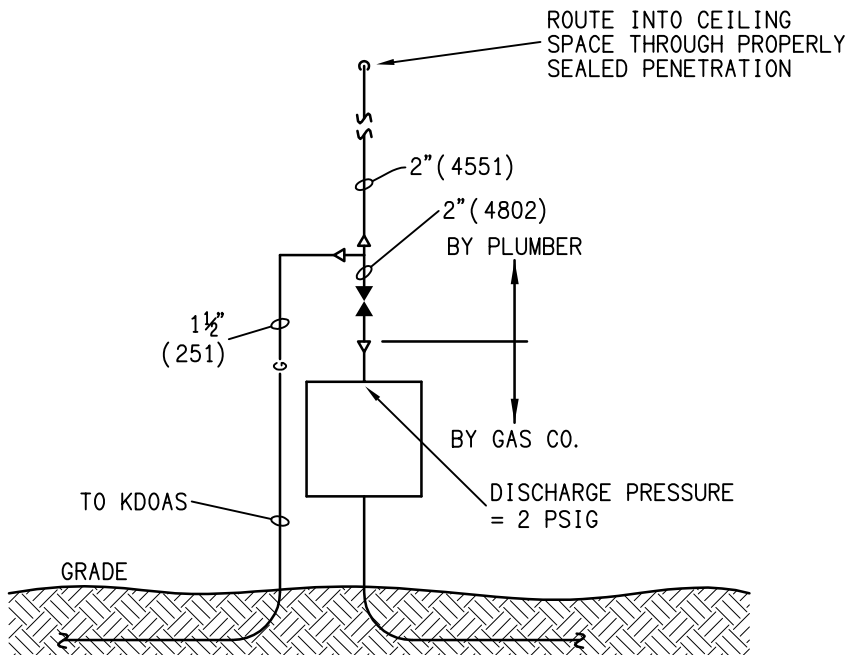
E P11 EXPANSION LOOP PIPING
SCALE: NO SCALE



B P11 EXTERIOR CLEANOUT
SCALE: NO SCALE

ALL GAS PRESSURE REDUCING VALVES SHALL BE INSTALLED STRICTLY AS PER MANUFACTURERS 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

GAS LOADS	
USER	MBH
RANGE	406
CONV. OVEN	120
FRYER	105
STEAMER	144
KETTLE	100
GRIDDLE	30
WTR HTR(4)	796
WTR HTR(4)	796
WTR HTR(6)	1194
DRYER	215
DRYER	215
DRYER	215
DRYER	215
KDOAS	251
CHARBROTILER	102
TOTAL	4904



A P11 GAS ENTRY
SCALE: NO SCALE

symbol	date	description	by
REVISIONS			

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**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

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Architecture Planning Design

125 BED
FACILITY

**P
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