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	PIPING	LEGEND		
	SYMBOL	DESCRIPTION		
		SEWER PIPING		
		VENT PIPING		

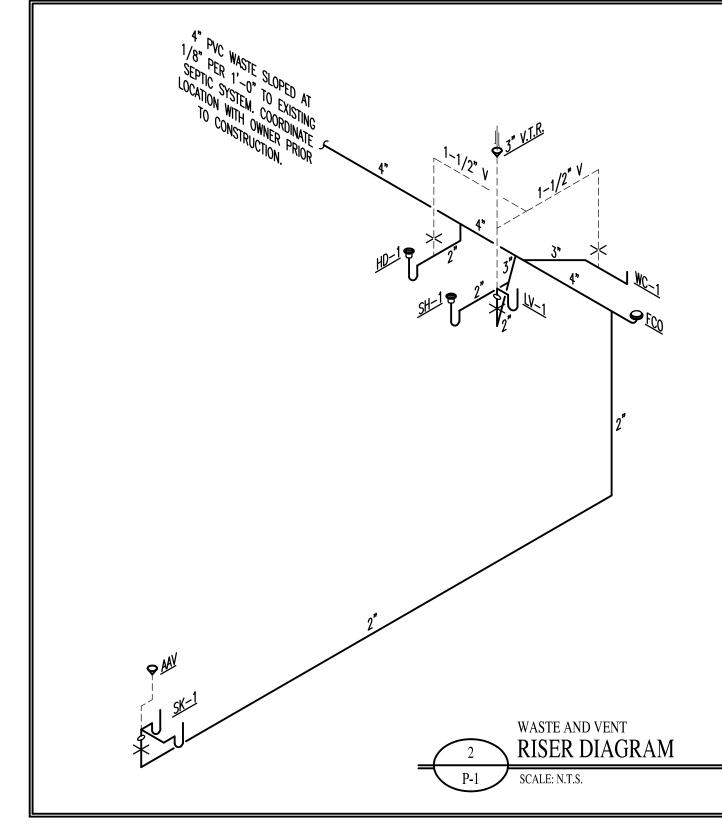
PLUMBING FIXTURE SCHEDULE									
ITEM NO.	FIXTURE DESCRIPTION	MANUFACTURER	* MODEL NO.	CONNECTION SIZES		ES	REMARKS		
IILM NO.	TIXTURE DESCRIPTION	MANOFACTORER	* MODEL NO.		H.W.	WASTE**	VENT	ILLMAINO	
WC-1	WATER CLOSET - TANK TYPE - H.C.	AMER. STD.	270AA.001	1/2"		3"	2"	FLOOR MTD. 1.28 GAL/FLUSH, H.C. HEIGHT	
LV-1	WALL HUNG LAVATORY	AMER. STD.	0356.028	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS	
SK-1	DOUBLE COMPARTMENT SINK - H.C.	STERLING	14633-3-NA	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS	
IB-1	ICE MAKER BOX	PPP	MM-500-MIMB	1/2"				MIP VALVE WITH SHOCK ARRESTOR	
FC0	FLOOR CLEAN OUT	ZURN	Z-1400					SIZE DETERMINED UPON WASTE PIPE	
SH-1	SHOWER	LAUREL MOUNTAIN	LUTTRELL, LM6032SH1S	1/2"	1/2"	1-1/2"	1-1/2"	COORDINATE CONTROLS WITH OWNER	
HD-1	HUB DRAIN	CHARLOTTE PLASTICS	4"x2"			2"	1-1/2"	-	
FD-1	FLOOR DRAIN	ZURN	Z-415-B			3"	1-1/2"	BODY ASSEMBLY WITH "TYPE B" STRAINER AND TRAP PRIMER	
AAV	AIR ADMITTANCE VALVE	STUDOR	MINI-VENT				1-1/2"	-	

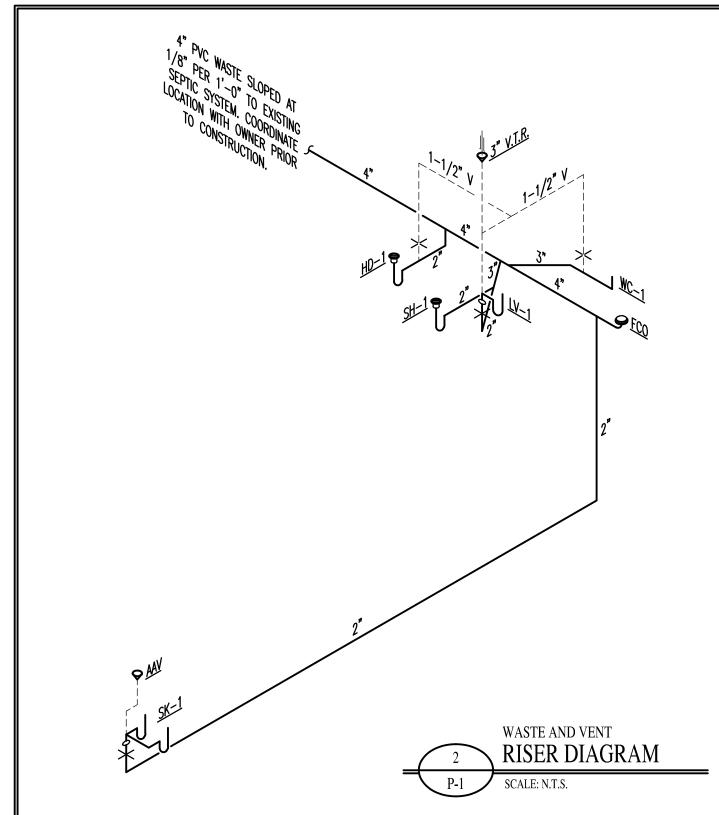
* FIXTURE MODEL NUMBERS LISTED ARE FOR DESCRIPTION ONLY. ** SEE NOTE 5

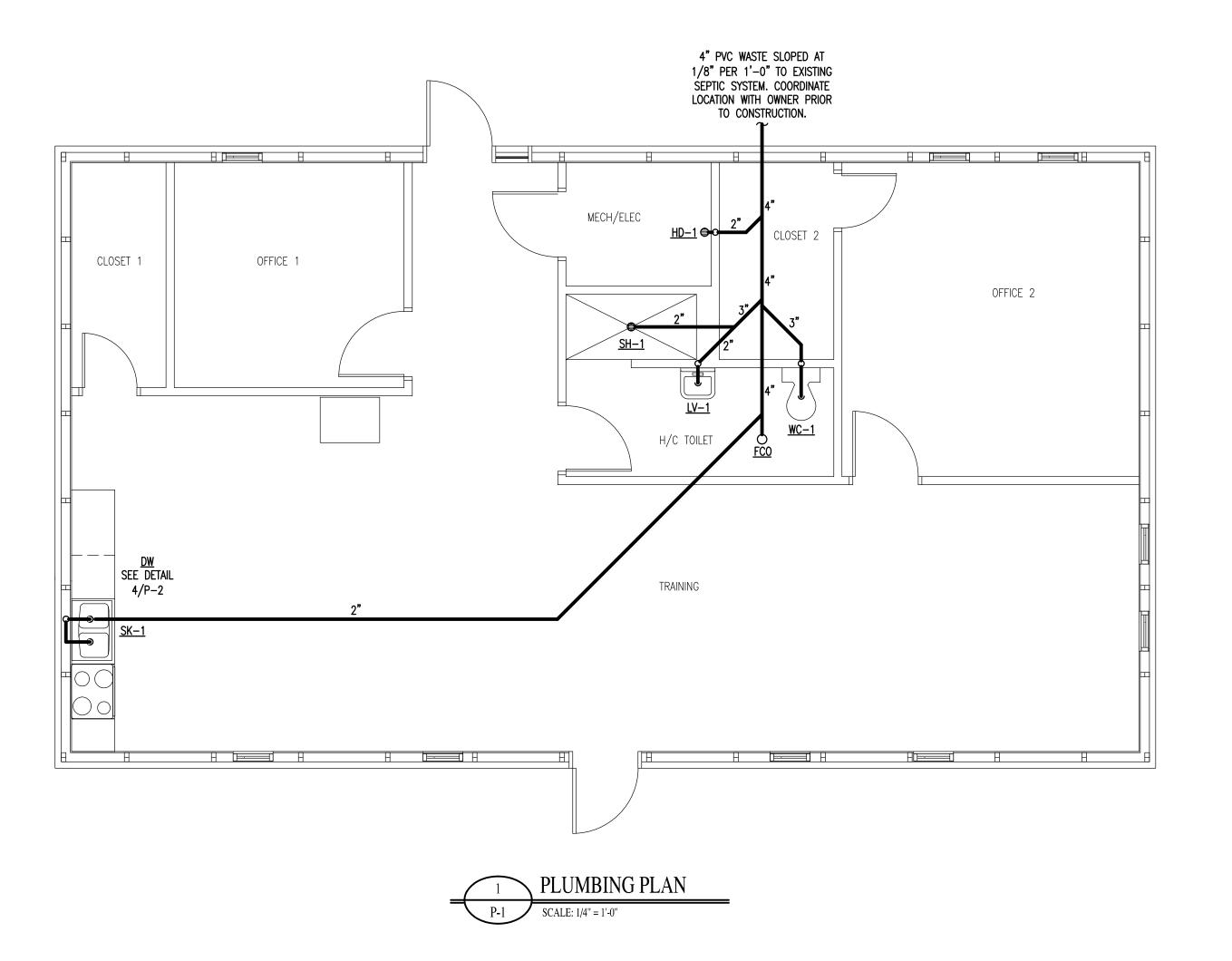
Waste and Water Calculations										
		Waste Fixt	ure Units Hot Water Fixtu		ture Units	ure Units Cold Water Fixture Uni		Total Water Fixture Units		
Fixture Type	Quantity	Per Unit	Total	Per Unit	Total	Per Unit	Total	Per Unit	Total	
Water Closet - Tank	1	4	4	0	0	5	5	5	5	
Lavatory	1	1	1	1.5	1.5	1.5	1.5	2	2	
Hub Drain	1	3	3	0	0	0	0	0	0	
Dishwasher	1	2	2	1.4	1.4	0	0	1.4	1.4	
Sink	1	2	2	1	1	1	1	1.4	1.4	
Shower	1	2	2	1	1	1	1	1.4	1.4	
Hose Bibb	0	0	0	0	0	0.5	0	0.5	0	
Ice Maker Box	1	0	0	0	0	0.25	0.25	0.25	0.25	
Total					4.9		8.75		11.45	

Note 1 - 4" waste line sloped at 1/8" per foot is adequate for 180 fixture Units (NCPC Table 710.1(1))

Note 2 - Total GPM = 16 (NCPC Table E103.3(3). 1" Water line adequate for 22 GPM (NCPC Figure E103.3(5))







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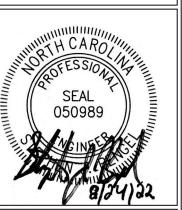
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GROOMS EQUIPMENT
3254 Boywood Rd.
Graham, NC 27253

GROOMS EQUIPMENT TRAINING BUILDING

DRAWING NAME **PLUMBING**

PLAN



DRAWN JNK CHECKED SJB DATE

8/24/22 SCALE AS NOTED

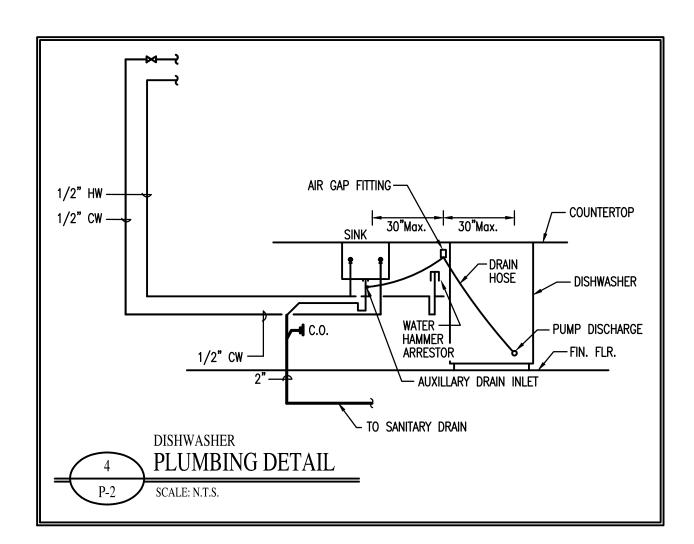
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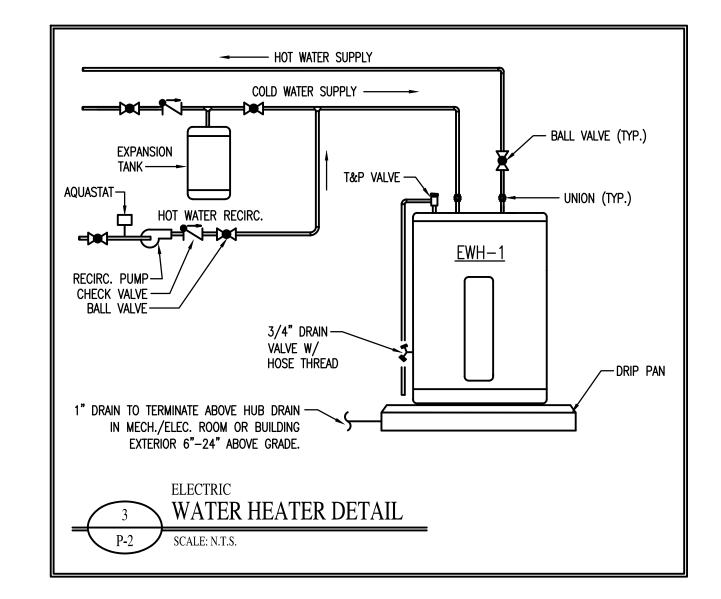
PLUMBING NOTES:

- 1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- 2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
- 3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
- 4. WATER LINES TO BE COPPER TYPE K (SOFT DRAWN) BELOW SLAB, AND TYPE L HARD COPPER ABOVE SLAB. CROSSLINKED POLYETHYLENE OR CPVC MAY BE USED WHERE CONCEALED.
- 5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
- 6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.
- 7. INSULATE HOT AND COLD WATER LINES IN ACCORDANCE WITH NC PLUMBING AND ENERGY CODES. INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING OF CEILING TILES.
- 8. TRAP PRIMER SHALL BE INSTALLED ON HUB DRAIN UNLESS OTHERWISE INDICATED.
- 9. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
- 10. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.
- 11. INSTALL TEMPERING VALVE AND ADJUST HOT WATER TEMPERATURE TO 110°F AHEAD OF LAVATORIES AND HAND
- 12. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
- 13. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
- 14. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL FITTINGS REQUIRED.

GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.

- 15. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.
- 16. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5 FOOT TERMINATION, REFER TO SITE UTILITY
- 17. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.
- 18. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
- 19. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.
- 20. ALL KITCHEN EQUIPMENT WITH WATER SUPPLY TO BE EQUIPPED WITH A VACUUM BREAKER ON EACH SUPPLY LINE.
- 21. FOR PLASTIC SEWER PIPING, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.

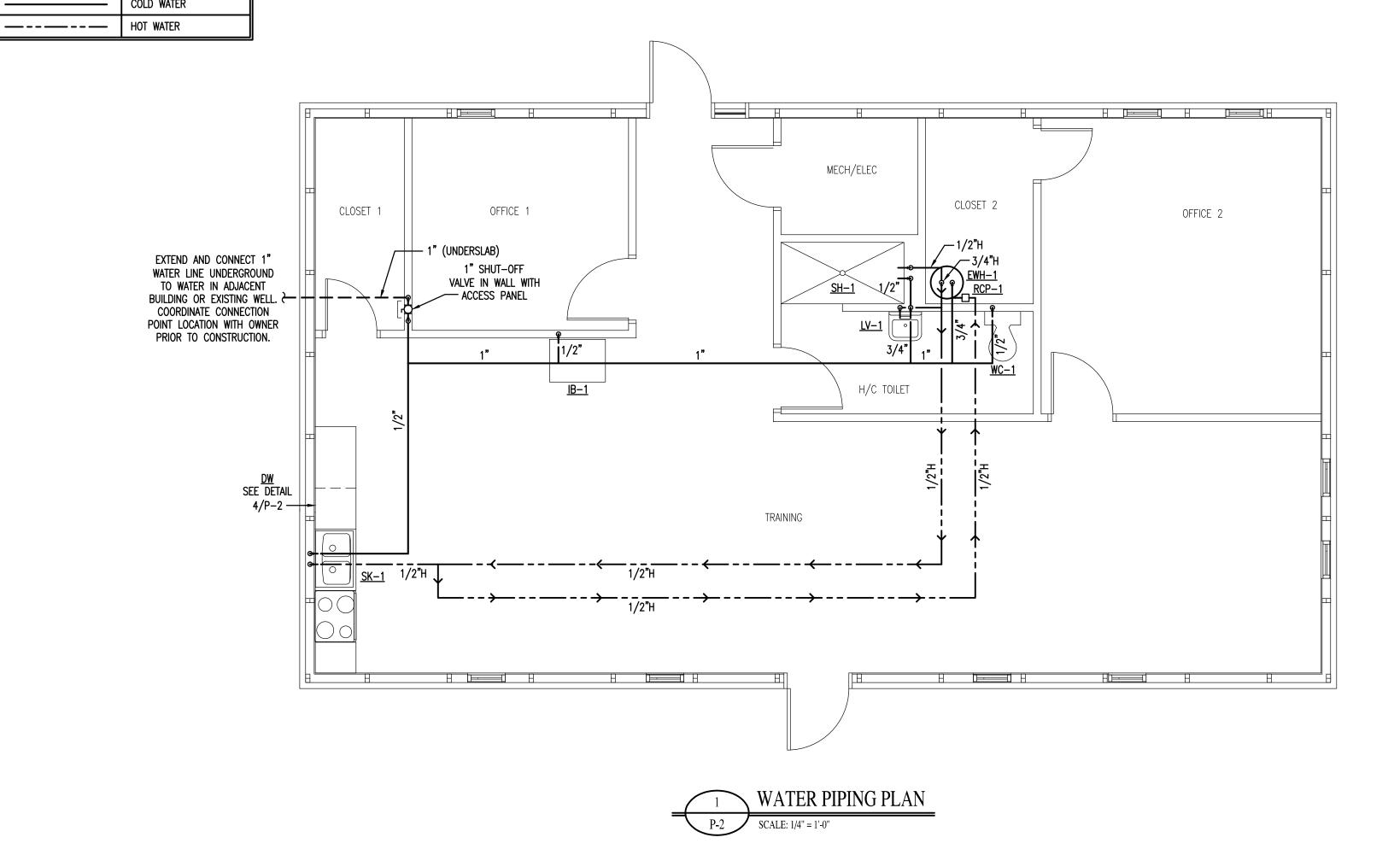


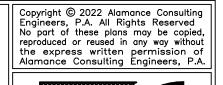


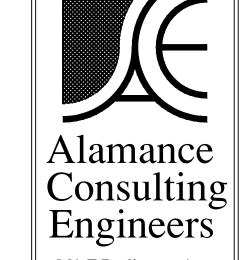
WATER HEATER SCHEDULE							
MARK	tank Volume	RECOVERY	TEMPERATURE RISE	ELEMENT Size	POWER	MANUFACTURER	MODEL
EWH-1	30 GAL.	23 GPH	80°	4.5 KW	208V/1ø	RHEEM	PROE30 T2 RH95

PUMP SCHEDULE							
MARK	MANUFACTURER	MODEL NO.	GPM	HEAD (FT.)	HP	VOLTAGE	
RCP-1	B & G	PL-30	4	17	1/12	115V/1ø	

PIPING	LEGEND
SYMBOL	DESCRIPTION
	COLD WATER







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EQUIPMEN GROOMS

WATER PIPING

RISER DIAGRAM

GROOMS EQUIPME TRAINING BUILDIN

DRAWING NAME WATER PIPING PLAN



JNK CHECKED SJB DATE 8/24/22

SCALE AS NOTED 22052