

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE IRC ADOPTED BY STATE, ANY APPLICABLE LOCAL CITY/TOWN/COUNTY CODES AND OTHER INDUSTRY STANDARDS.
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR (P.C.) SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE P.C. SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE P.C. AND FINISHING BY GENERAL CONTRACTOR (G.C.).
- WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER AND ABOVE GRADE TYPE "L", HARD DRAWN COPPER, SUPPORTED AS REQUIRED, AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 125 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE. "CPVC" OR "PEX" PIPES ARE ACCEPTED SUBJECT TO LANDLORD'S ACCEPTANCE.
- COLD & HOT WATER PIPING SHALL BE INSULATED WITH R6.5, 2" GLASS FIBER.
- IF THE WATER PRESSURE EXCEEDS 60 PSI, A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING AND SHALL BE SET AT 50 PSI.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACT.
- SANITARY SEWER AND VENT LINES SHALL BE P.V.C. WASTE AND VENT PIPE UNDER SLAB AND DWV NO-HUB C1 AND/OR DWV COPPER ABOVE SLAB. EXCEPTS FOR CONNECTIONS TO FIXTURES. MINIMUM DRAIN & VENT SIZES ABOVE SLAB SHALL BE 2". PVC PIPES ARE ACCEPTABLE IF APPROVED BY THE LANDLORD AND IT MAY USE IN CONCEALED WALLS OR ABOVE NON PLENUM CEILING. ANY EXPOSED PLUMBING PIPES MUST BE CAST IRON.
- THE P.C. SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR METALS.
- ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER THIS CONTRACT WILL FIT THE SPACE AVAILABLE. THEY SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES. ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER PRIME CONTRACTORS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL USE FIRE RATED SLEEVES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS ARE MADE. ALL OPENINGS WILL BE MADE FIREPROOF.
- ALL VENT LINES SHALL SLOPE UP TO VENT THROUGH ROOF. VENT THROUGH ROOF SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKES.
- ALL WASTE STACKS & VENT SHALL HAVE A CLEANOUT AT THE BASE OF THE STACK. COORDINATE LOCATION OF CLEANOUTS WITH CASEWORK.
- THE CONTRACTOR SHALL PROVIDE SHOCK ABSORBERS AT EACH BRANCH. SHOCK ABSORBERS IN ACCORDANCE WITH ASSE 1.010 AND SHALL BE ACCESSIBLE.
- HORIZONTAL DRAINAGE AND WASTE PIPING SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8" PER FOOT FOR SIZES GREATER THAN OR EQUAL TO 3" AND A MINIMUM SLOPE OF FALL OF 1/4" PER FOOT FOR SIZES LESS THAN 3".
- PROVIDE MANUAL SHUTOFF VALVES AT EACH BRANCH LINE OF ALL WATER PIPING.
- PROVIDE ISOLATION VALVES AT ALL FIXTURES.
- SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- PROVIDE POSITIVE FREEZE PROTECTION ON ALL WATER LINES SUBJECT TO FREEZING CONDITIONS.
- CONTRACTOR SHALL BE REQUIRED TO COMPLETELY ROD AND FLUSH OUT ALL SANITARY WASTE LINES AFTER BUILDING IS COMPLETED.
- PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATION.
- PROVIDE BACKFLOW DEVICE WITH EACH EQUIPMENT CONNECTION.

MINIMUM FACILITY REQUIREMENTS

TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES								
SPACE CLASSIFICATION	WATER CLOSET		URINALS		LAVATORIES		SHOWERS/ TUB	DRINKING FOUNTAIN
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
CHILD CARE	TOTAL REQUIRED	3	0	3	0	0	1	
	TOTAL PROVIDED	3	0	3	0	0	1	
EMPLOYEES	TOTAL REQUIRED	1	0	1	0	0	0	
	TOTAL PROVIDED	1	0	1	0	0	0	

PLUMBING FIXTURE SPECIFICATIONS

- P1A WATER CLOSET FLOOR MOUNTED (ADA)
a. TYPE: FLOOR MOUNTED, VITREOUS CHINA, FLUSH TANK, 1.6 GPF MFR: AMERICAN STANDARD, MODEL-2467.100, COLOR- WHITE, RIGHT HEIGHT, ELONGATED EXTRA HEAVY DUTY BOWL 5905.100, 17" A.F.F. TO RIM (RIGHT OR LEFT HAND SIDE LEVER TO BE DECIDED BY THE CONTRACTOR PER FIELD LOCATION, LEVER MUST BE ON OPEN SIDE OF THE TOILET)
b. SEAT: PLASTIC OPEN FRONT SEAT COVER TO MATCH BOWL, SS HINGE
c. MOUNTING HEIGHT: RIM AT 17" ABOVE FINISHED FLOOR
- P1B CHILD WATER CLOSET FLOOR MOUNTED (ADA)
a. TYPE: FLOOR MOUNTED, VITREOUS CHINA, FLUSH TANK, 1.6 GPF MFR: GERBER, MODEL-CUVETTE ARRONDIE GHE20601 ADA COMPLIANT, COLOR- WHITE, ROUND FRONT BOWL 11 1/4" A.F.F. TO RIM (RIGHT OR LEFT HAND SIDE LEVER TO BE DECIDED BY THE CONTRACTOR PER FIELD LOCATION, LEVER MUST BE ON OPEN SIDE OF THE TOILET)
b. SEAT: PLASTIC OPEN FRONT SEAT COVER TO MATCH BOWL, SS HINGE
c. MOUNTING HEIGHT: RIM AT 11 1/4" ABOVE FINISHED FLOOR
- P2A WALL LAVATORY
a. TYPE: WALL HUNG, 4" CENTERS, OVAL, 20"x18", VITREOUS CHINA, SELF RIMMING
b. MFG: AMERICAN STANDARD MODEL- MURRO 0955.121EC (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
g. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P2B COUNTERTOP DROP-IN LAVATORY
a. TYPE: COUNTERTOP DROP-IN, 4" CENTERS, RECTANGULAR 21 1/4" X 17 3/4", VITREOUS CHINA, SELF RIMMING
b. MFG: AMERICAN STANDARD MODEL- STUDIO (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
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f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
g. MTG. HEIGHT: 34" TO THE TOP OF COUNTER MAX. COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P3A 2-COMP DROP IN DEEP KITCHEN SINK (ADA COMPLIANT)
BY THE OWNER- COUNTERTOP SHALL BE 34" MAX MEASURED TO THE TOP.
- P4 WALL HAND SINK
a. TYPE: WALL HUNG, 4" CENTERS, OVAL, 20"x18", VITREOUS CHINA, SELF RIMMING
b. MFG: AMERICAN STANDARD MODEL- MURRO 0955.121EC (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
g. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P5 COUNTERTOP DROP-IN HAND SINK
a. TYPE: COUNTERTOP DROP-IN, 4" CENTERS, RECTANGULAR 21 1/4" X 17 3/4", VITREOUS CHINA, SELF RIMMING
b. MFG: AMERICAN STANDARD MODEL- STUDIO (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
g. MTG. HEIGHT: 34" TO THE TOP OF COUNTER MAX. COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P6 REUSE EXISTING WASHER WATER AND WASTE KIT
- P7 DISHWASHER BY THE OWNER PER HARNETT COUNTY HEALTH DEPARTMENT
- P8 ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION
a. TYPE: WALL HUNG, HIGH/LOW UNIT WITH 8.0 GPH CAPACITY OF 50°F WATER WITH INLET TEMPERATURE OF 80°F AND ROOM TEMPERATURE OF 90°F, 370 WATTS, 4.0A, 115V AIR COOLED CONDENSER
b. MFG: ELKAY MODEL: VRCTLBWSK
c. SUPPLY: 2" X 3/8" O.D. SWEAT ANGLE STOP
d. TRAP: 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
e. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
f. CARRIER: FURNISH WITH MOUNTING BRACKET
- P9 MOP SINK
A. TYPE: FLOOR MOUNTED, PRE CAST TERRAZZO, 24"x24", 3" STRAINER, STAINLESS STEEL CAPS ON ALL CURBS.
B. MFG: FIAT NO. TSB-100 OR EQUAL BY MUSTEE
C. FAUCET: POLISHED CHROME, WALL MOUNTED PAIL HOOK, WALL BRACE, VACUUM BREAKER, INTEGRAL STOPS, 1.0 GPM
D. MFG: T & S BRASS MODEL NO. B-665 BSTP
E. TRAP: 3" CAST IRON P-TRAP
F. ACCESSORIES: BUMPER GUARD FIAT NO. E77-AA, HOSE AND HOSE BRACKET NO. 832-AAP-8 OR EQUAL BY MUSTEE

- HB-E HOSE BIB (EXTERIOR APPLICATION)
a. TYPE: NON FREEZE, EXPOSED, SELF DRAINING, WALL FAUCET, ANTI CONTAMINATION, 3/4" MALE HOSE CONNECTION, ANTI-SIPHON VACUUM BREAKER, BRASS CONSTRUCTION, CHROME PLATED, INLET CONNECTION 3/4".
b. MFG: MIFAB MHY-10

FLOOR CLEANOUT

- a. TYPE: 4" CAST IRON CLEAN OUT WITH ADJUSTABLE HOUSING, FERRULE WITH PLUG AND ROUND NICKEL BRASS SECURED TOP RECESSED FOR TILE (OR SCORIATED TOP FOR CONCRETE FINISH), VANDAL PROOF COVER, SPIGOT OUTLET
b. MFG: ZURN NO: Z-1400

WALL CLEANOUT

- a. TYPE: CAST IRON CLEAN OUT TEE WITH BRASS PLUG AND ROUND VANDAL PROOF ACCESS COVER.
b. MFG: WADE SERIES 8400

WATER HEATER SCHEDULE

WATER HEATER SCHEDULE-FV DAYCARE

DESIGNATION	WH- 2
MFR:	A. O. SMITH
MODEL #	DEN 40
STORAGE (USG)	40 USG
FIRST HR. RATING	47 GALLONS
RECOVERY RATE@90°F	30 GPH
ENERGY FACTOR	0.93
WATTAGE	6000 W
VOLTAGE	240V, 1 PH
FOAM INSULATION	2"
PHYSICAL SIZE	23" DIA X 32" HIGH
WATER CONNECTION	3/4" IN, 3/4" OUT
EXPANSION TANK	WATTS MODEL- ETX-30
	2.1 GALLONS, 150 PSIG
WARRANTY	TANK- 6 YEARS

SPECIAL NOTES:

- USE EXISTING WATER HEATER TO SUPPLY 110°F HOT WATER TO ALL LAVATORIES.
- SET NEW WATER HEATER (WH-2) RO SUPPLY 140°F HOT WATER TO MOP SINK, WASHER, 2-COMP SINK AND DISHWASHER.

LEGEND	
-----	SANITARY SEWER PIPING
-----	VENT PIPING
-----	COLD WATER PIPING
-----	HOT WATER PIPING
FD- ○-----	FLOOR DRAIN
HD- ○-----	HUB DRAIN
-----M-----	GATE VALVE
-----V-----	BACK FLOW PREVENTER VALVE

ABBREVIATIONS

VTR	VENT THRU ROOF
W	WASTE
V	VENT
HW	HOT WATER
CW	COLD WATER
P (X)	PLUMBING FIXTURE
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
GCO	GROUND CLEAN OUT
GPM	GALLONS PER MINUTE
HD	HUB DRAIN
PSI	POUNDS PER SQUARE INCH
KW	KILOWATTS
V	VOLTS
W	WATTS

PLUMBING FIXTURE CALCULATIONS

Fixture Designation	Fixture	Occupancy	Type of Supply Control	Quantity	F.U. Cold	F.U. Cold Total	F.U. Hot	F.U. Hot Total	Water F.U./ FIX.	Water F.U. Total	F.U. Waste	F.U. Waste Total	
P1A	WATER CLOSET-ADA	PUBLIC	FLUSH TANK	1.00	5.00	5.00	0.00	0.00	5.00	5.00	4.00	4.00	
P1B	WATER CLOSET-ADA	PUBLIC	FLUSH TANK	3.00	5.00	15.00	0.00	0.00	5.00	15.00	4.00	12.00	
P2A	LAVATORY-ADA	PUBLIC	FAUCET	2.00	1.50	3.00	1.50	3.00	2.00	4.00	1.00	2.00	
P2B	LAVATORY-ADA	PUBLIC	FAUCET	2.00	1.50	3.00	1.50	3.00	2.00	4.00	1.00	2.00	
P3A	EXISTING KITCHEN SINK	PRIVATE	FAUCET	1.00	1.00	1.00	1.00	1.00	1.40	1.40	2.00	2.00	
P4	WALL HAND SINK	PRIVATE	FAUCET	3.00	1.00	3.00	1.00	3.00	1.40	4.20	2.00	6.00	
P5	COUNTERTOP HAND SINK	PRIVATE	FAUCET	5.00	1.00	5.00	1.00	5.00	1.40	7.00	2.00	10.00	
P6	EX. RESIDENTIAL WASHER	PRIVATE	FAUCET	1.00	1.00	1.00	1.00	1.00	1.40	1.40	2.00	2.00	
P7	EXISTING DISHWASHER	PRIVATE	AUTOMATIC	1.00	0.00	0.00	1.40	1.40	1.40	1.40	2.00	2.00	
P8	ELECTRIC WATER COOLER	PRIVATE	3/8" VALVE	1.00	0.25	0.25	0.00	0.00	0.25	0.25	0.50	0.50	
P9	MOP SINK	PRIVATE	MIXING VALVE	1.00	2.25	2.25	2.25	2.25	3.00	3.00	2.00	2.00	
F.U. Cold Sub-Total					39								
F.U. Hot Sub-Total					20								
F.U. Water Sub-Total								47		WFU			
F.U. Waste Sub-Total										45		WU	

WATER DEMAND IN GPM(W/FLUSH TANK) = 47 W. S.F.U. = 28.26 GPM
MINIMUM WATER PIPE SIZE REQUIRED IS 1" : SPECIFIED 1".

MINIMUM WASTE PIPE = 4"
BASED ON 1/8" SLOPE PER FOOT

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	FIXTURE	CW	HW	WASTE	VENT	REMARKS
P1A, P1B	WATER CLOSET	1/2"	-	3"	2"	
P2A, P2B	LAVATORY	1/2"	1/2"	2"	1 1/4"	
P3A	EX. KITCHEN SINK	1/2"	1/2"	2"	1 1/4"	
P4	WALL HAND SINK	1/2"	1/2"	2"	1 1/4"	
P5	COUNTERTOP HAND SINK	1/2"	1/2"	2"	1 1/4"	
P6	EX. WASHER	3/4"	3/4"	3"	2"	
P7	EX. DISHWASHER	-	1/2"	-	-	
P8	ELECTRIC WATER COOLER	1/2"	-	2"	1 1/4"	
P9	MOP SINK	3/4"	3/4"	3"	2"	
HB-E	EXTERIOR HOSE BIB	3/4"	-	-	-	
WCO	WALL CLEAN OUT	-	-	3"	-	
FCO	FLOOR CLEAN OUT	-	-	3"	-	

REVISIONS	BY
R1 05-11-2026	HCS
R2 06-18-2026	HCS

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06/18/26

AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING COVERSHEET

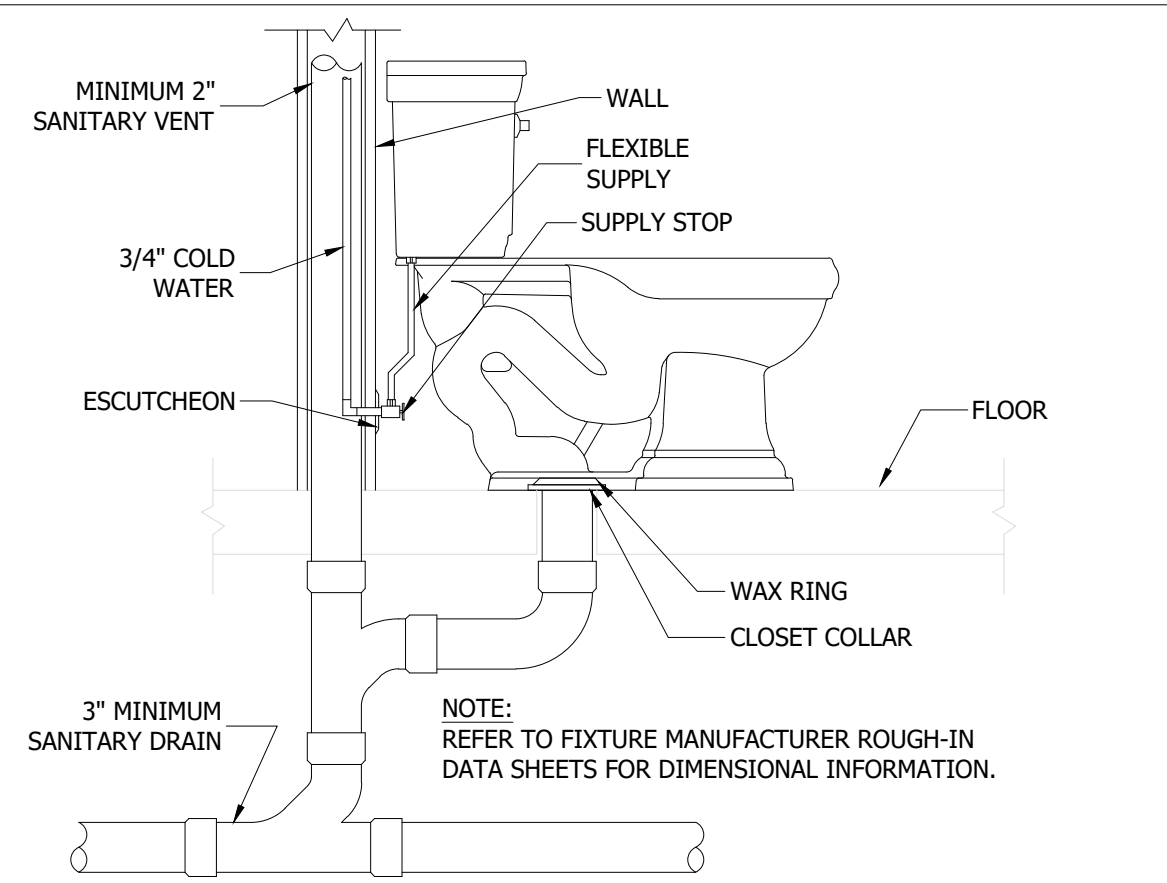
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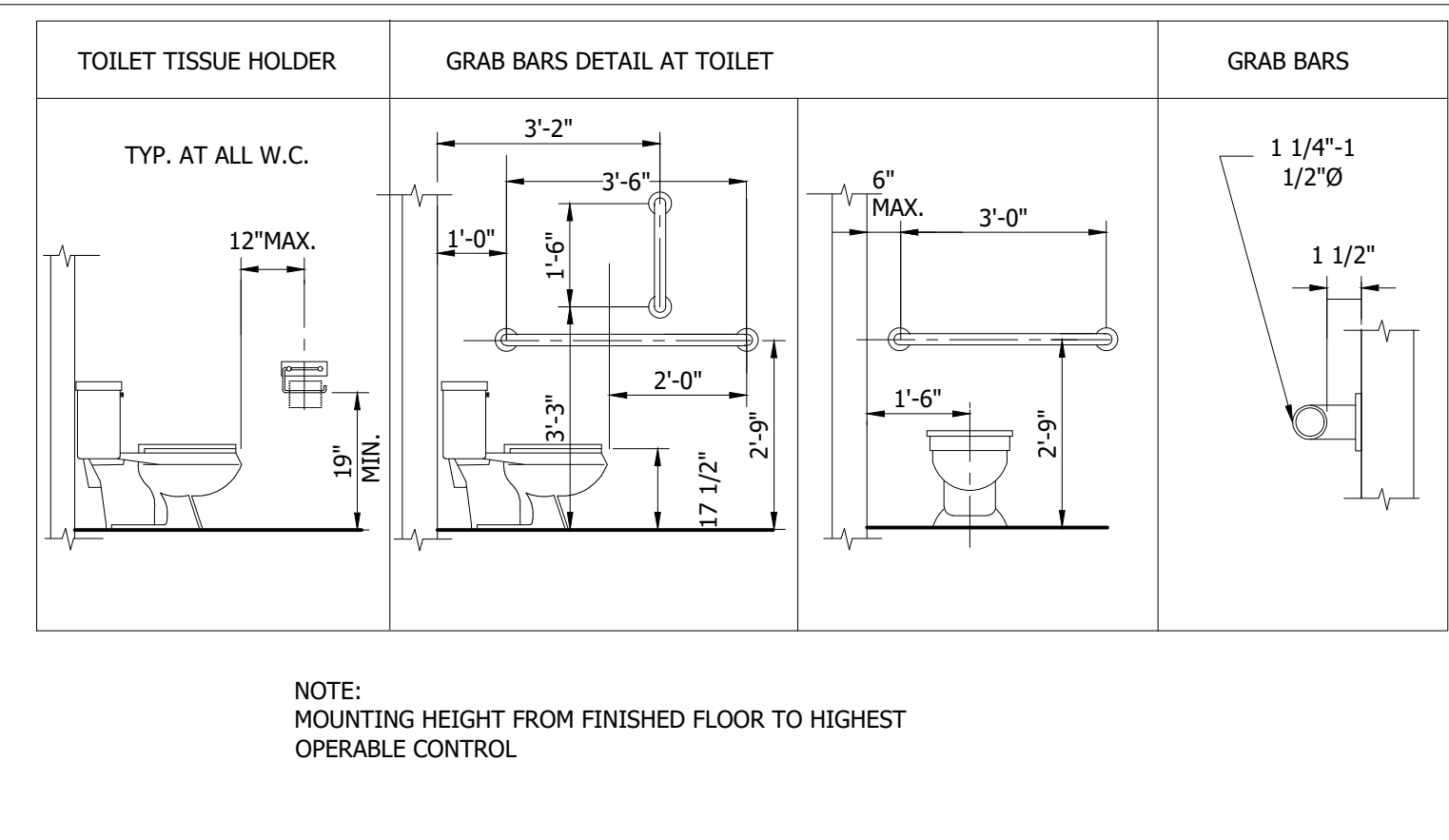
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JOB: 2026-011

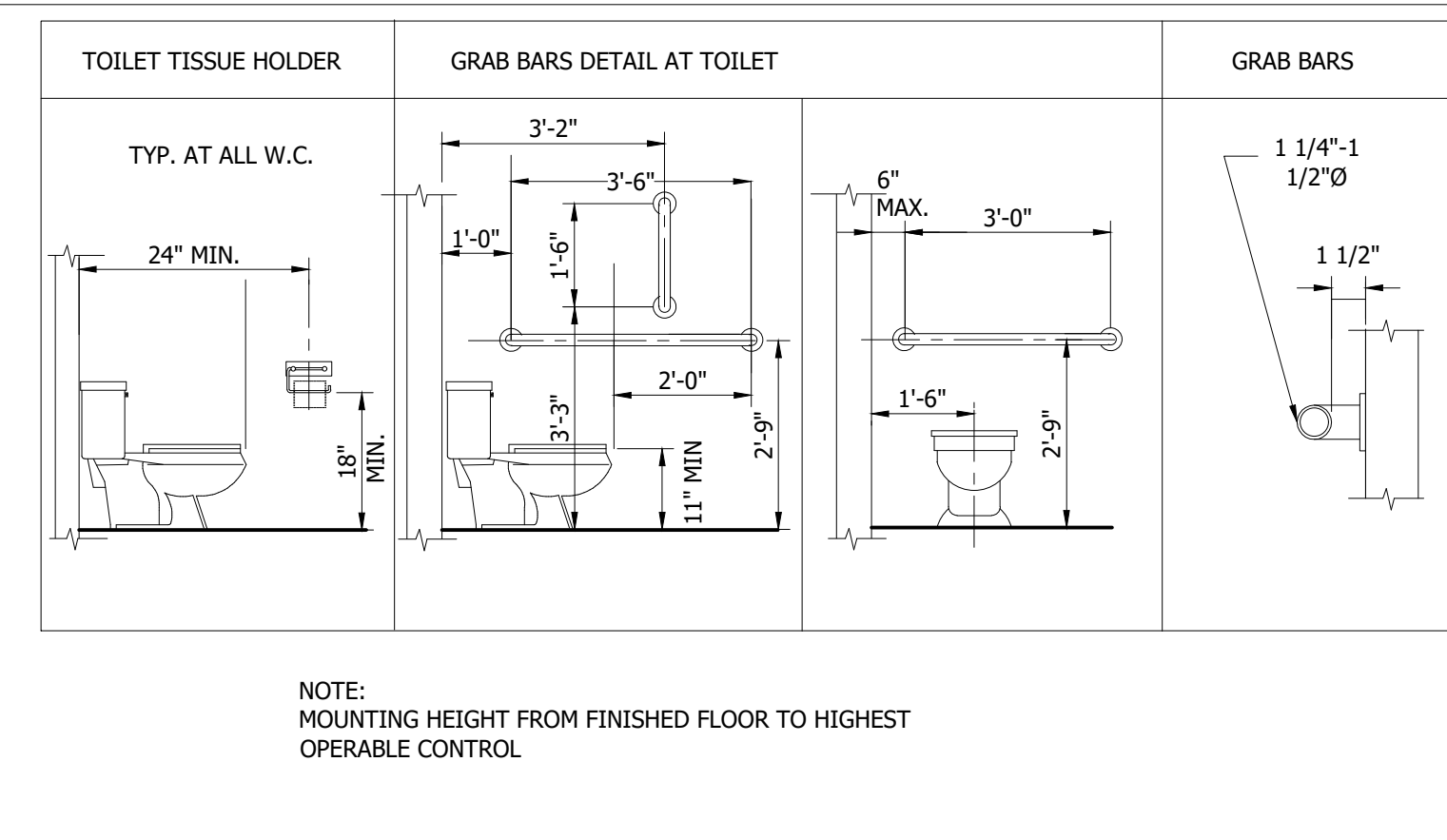
SHEET
P1
OF SHEETS



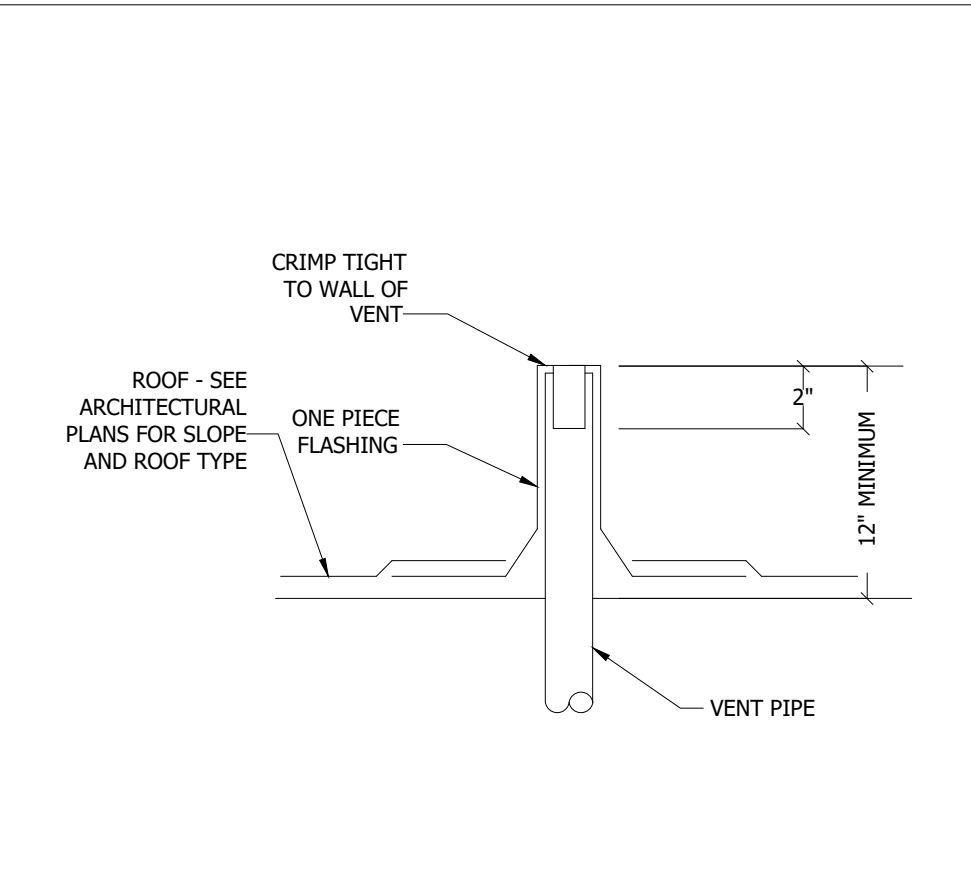
1 FLOOR MOUNTED WATER CLOSET DETAIL
SCALE: NTS



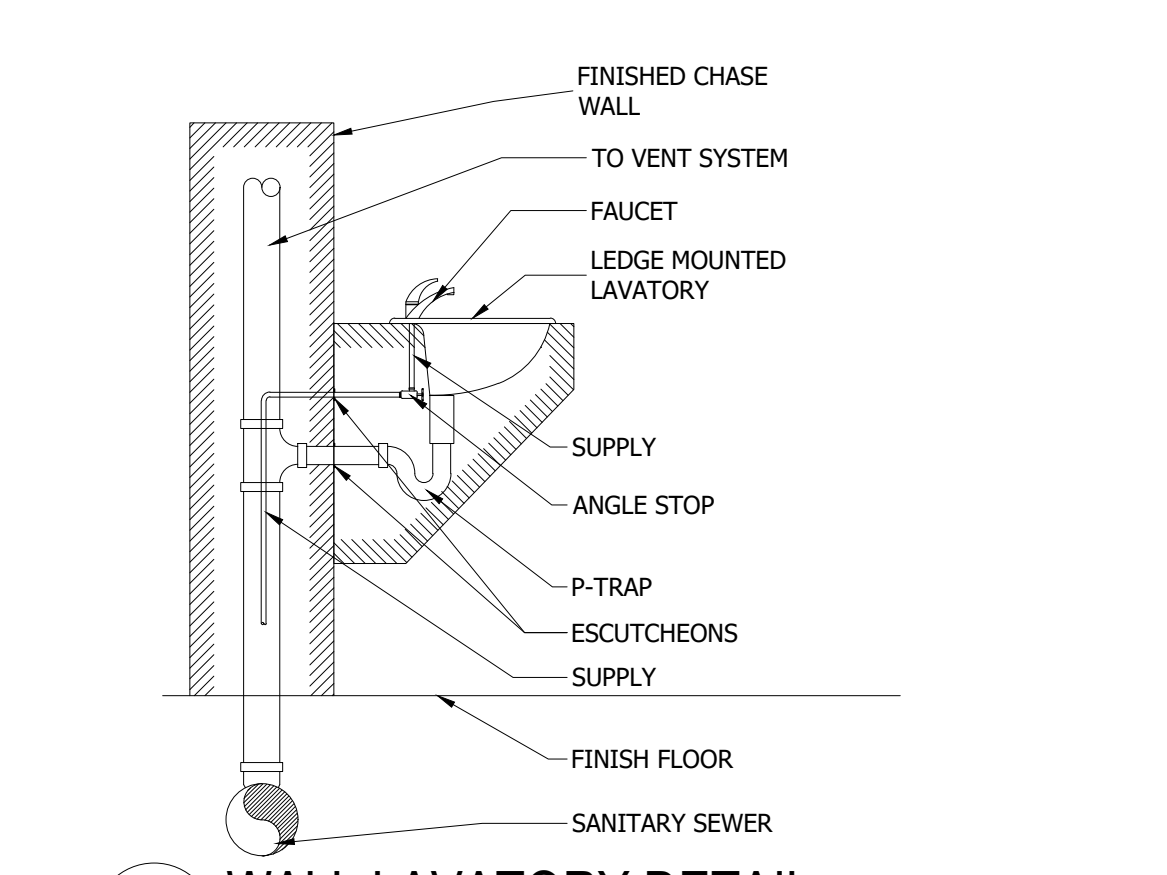
2 WATER CLOSET ACCESSORY MOUNTING DETAIL-ADULT TOILET
SCALE: NTS



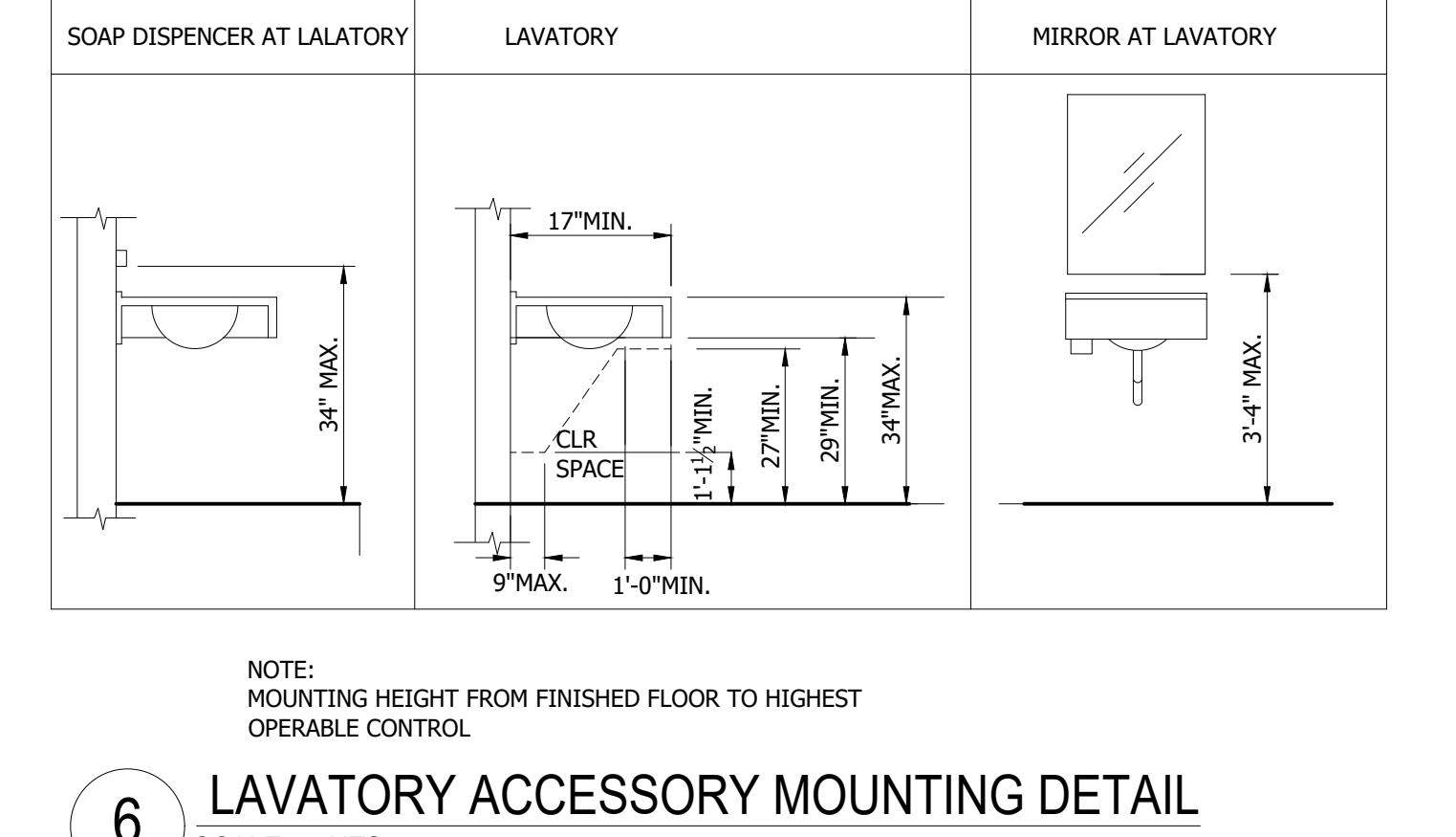
3 WATER CLOSET ACCESSORY MOUNTING DETAIL- CHILD TOILET
SCALE: NTS



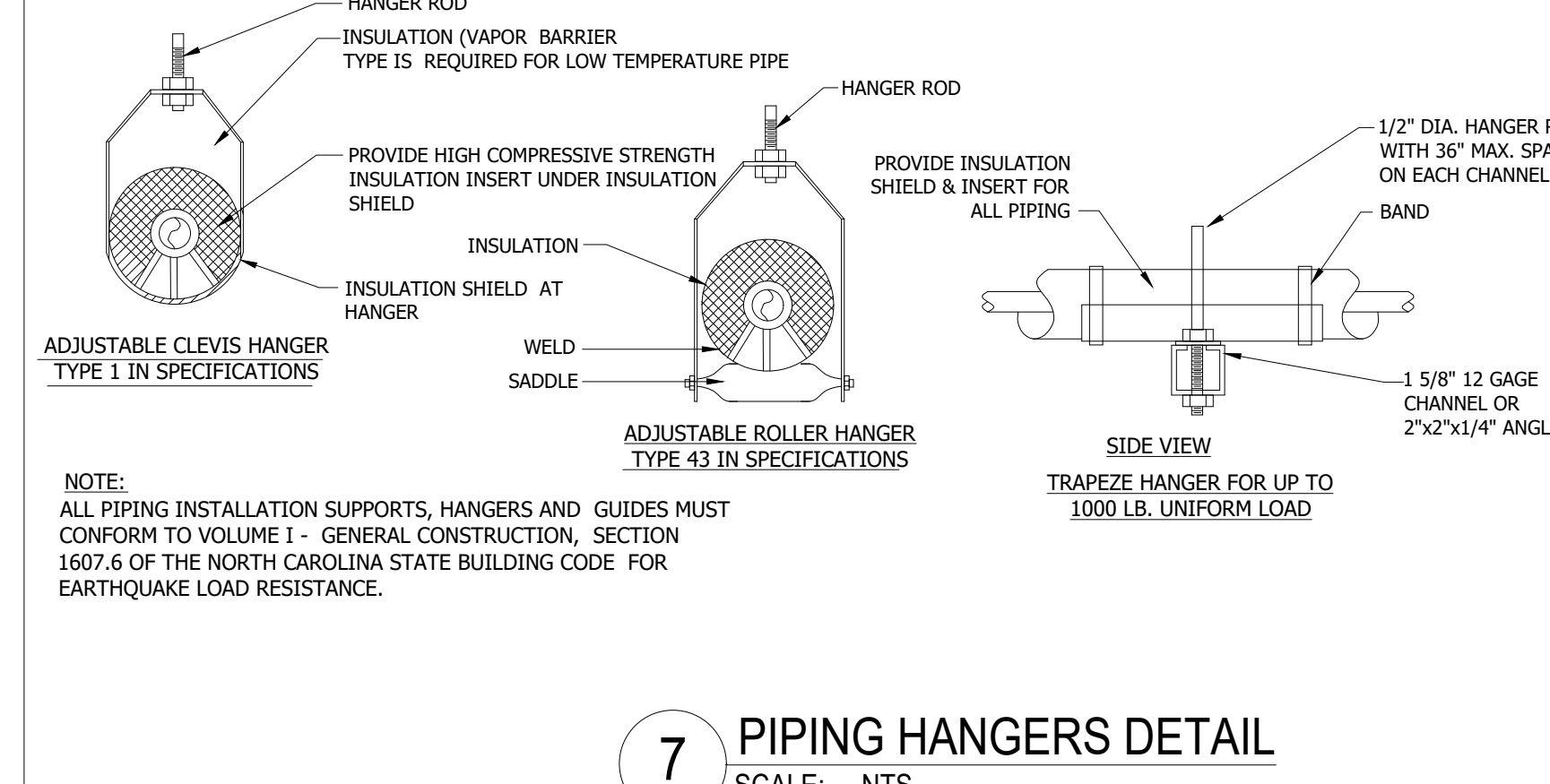
4 VENT THRU ROOF DETAIL
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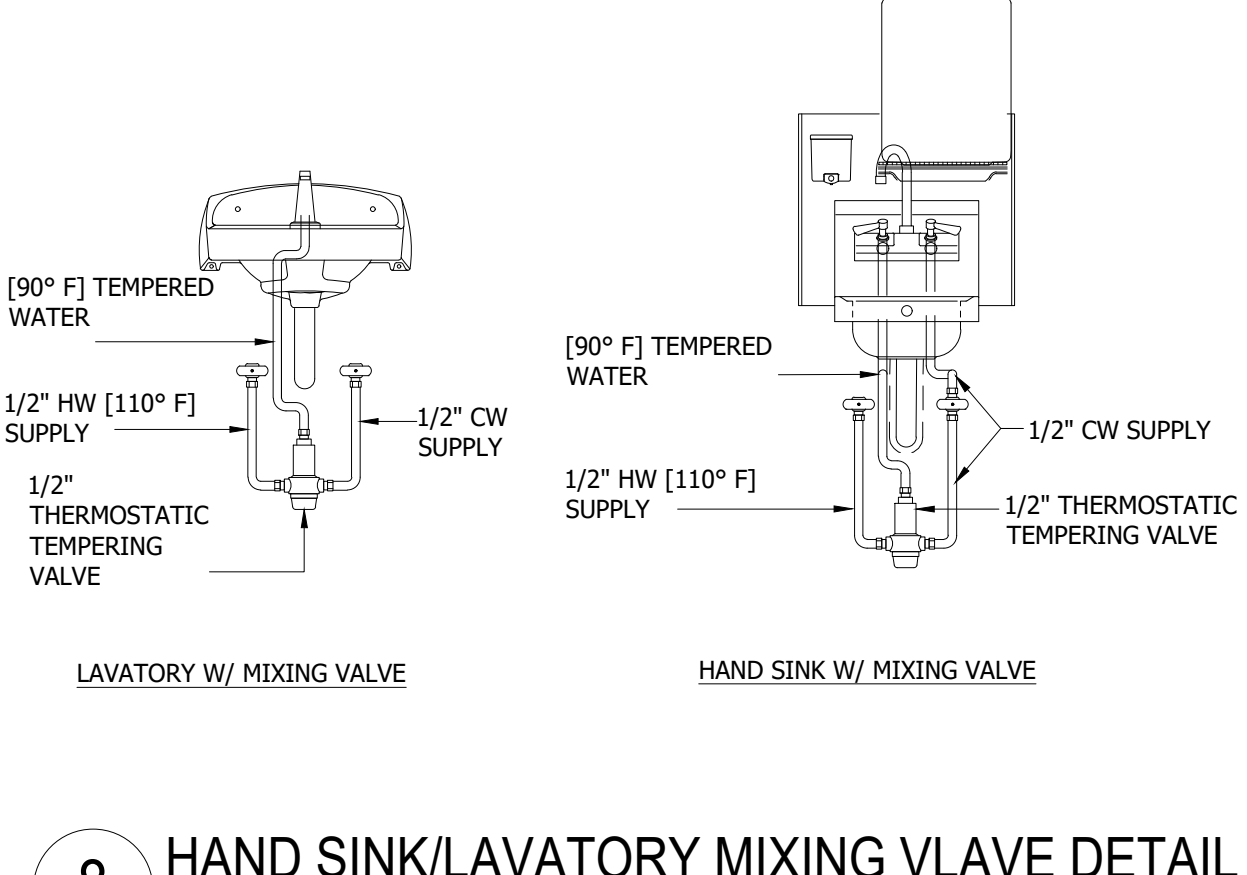
5 WALL LAVATORY DETAIL
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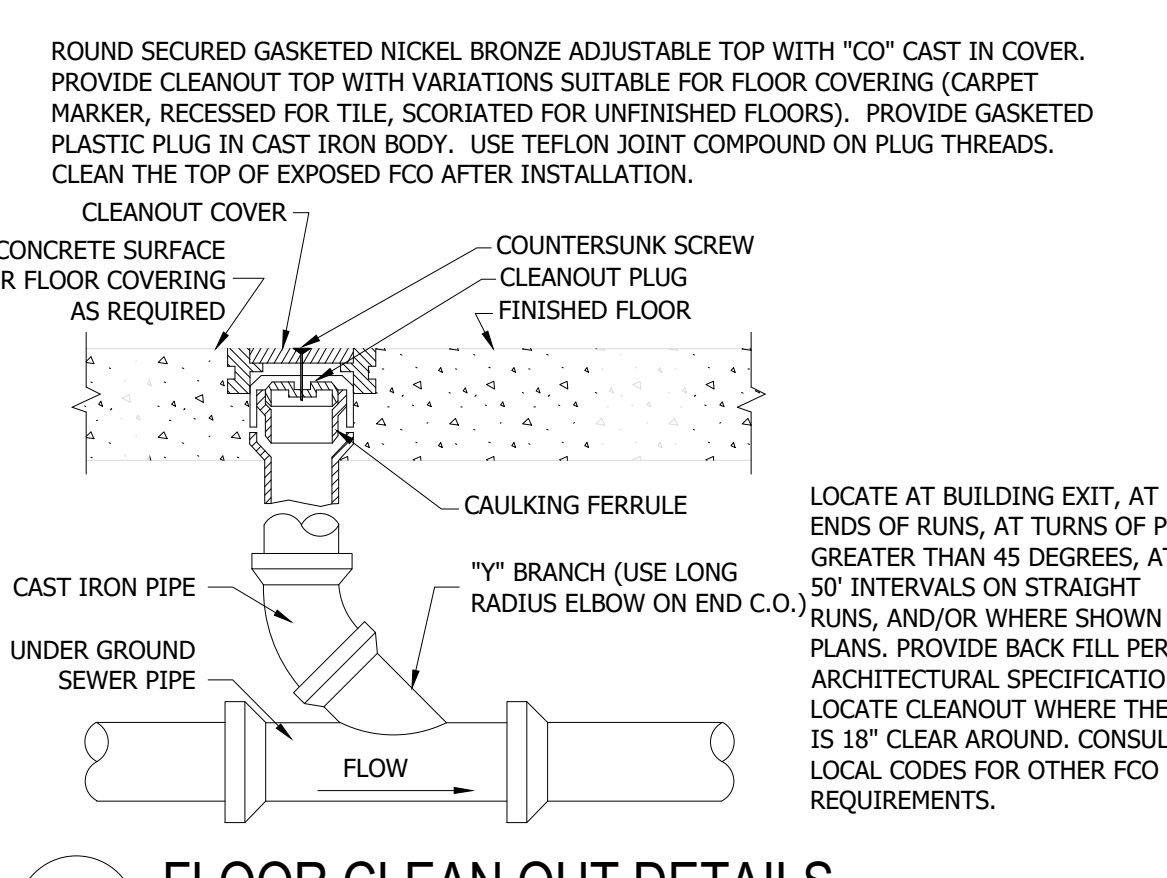
6 LAVATORY ACCESSORY MOUNTING DETAIL
SCALE: NTS



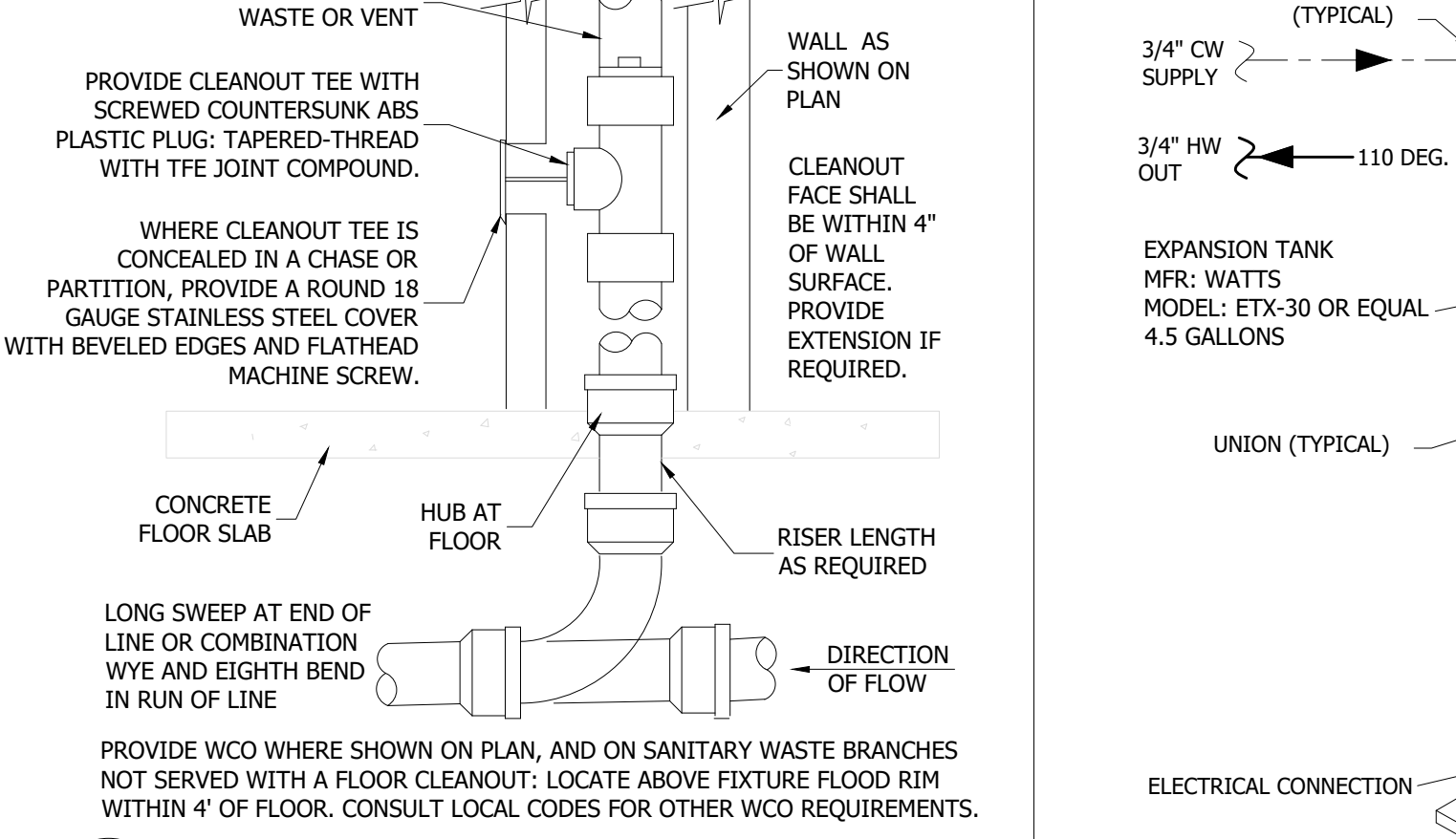
7 PIPING HANGERS DETAIL
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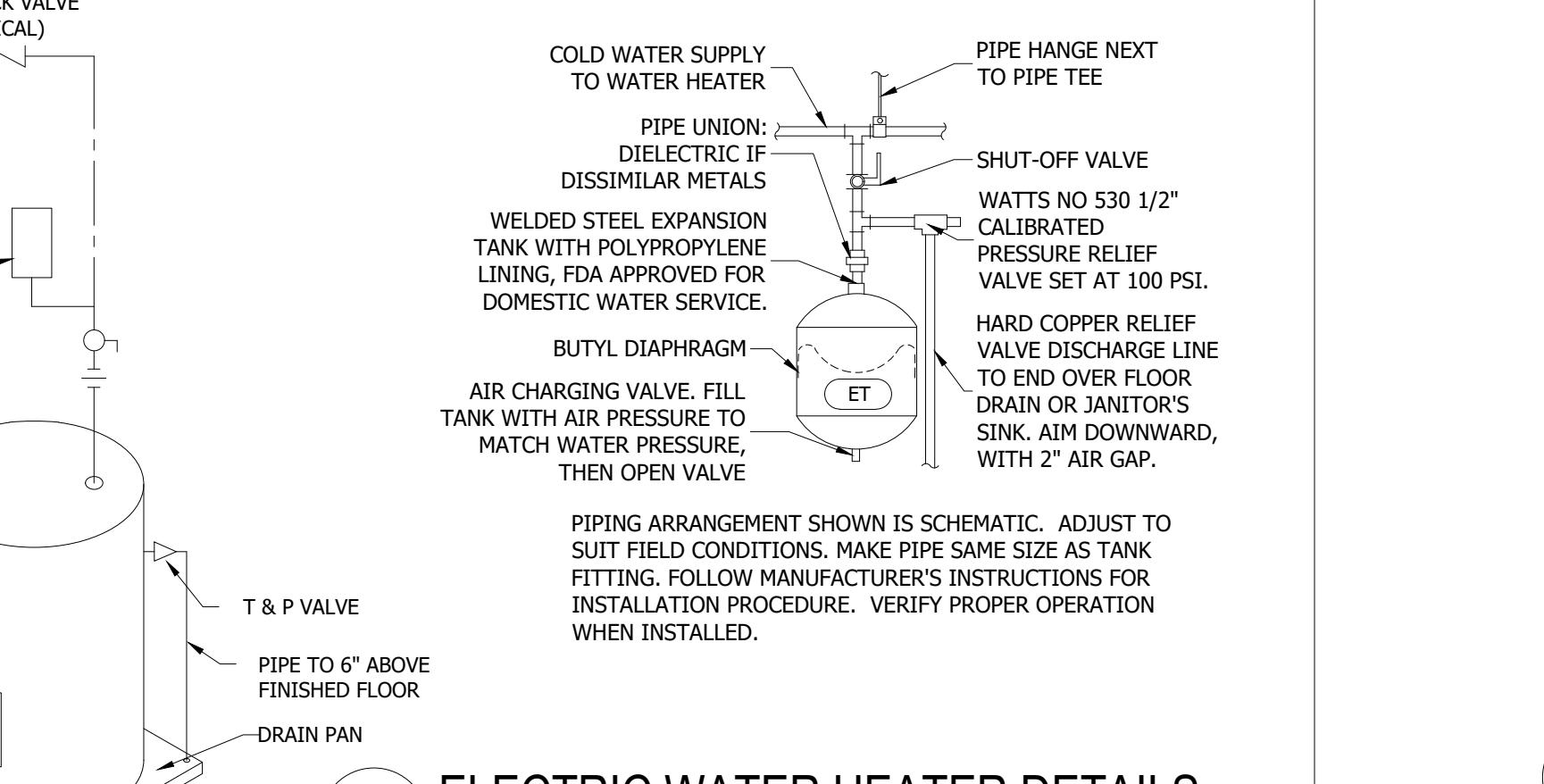
8 HAND SINK/LAVATORY MIXING VALVE DETAIL
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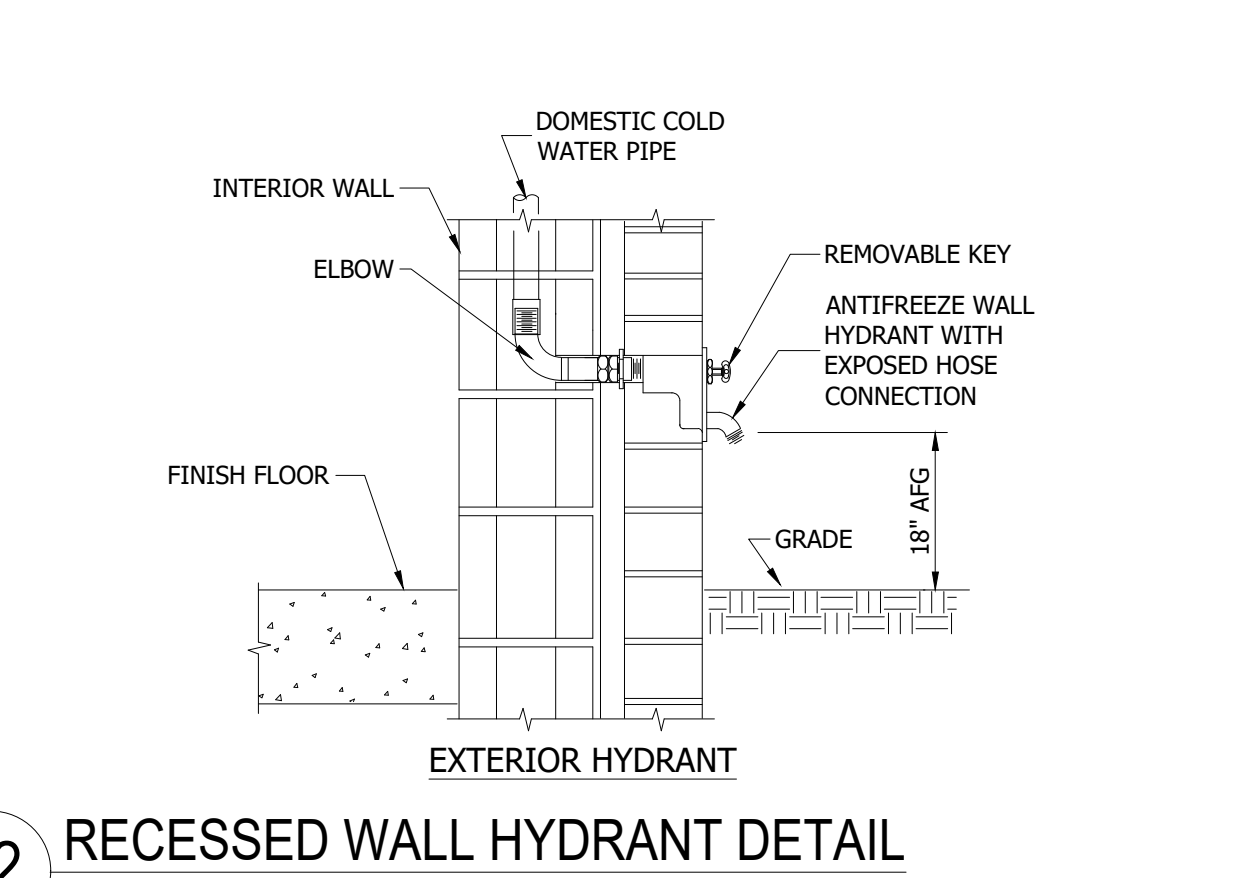
9 FLOOR CLEAN OUT DETAILS
SCALE: NTS



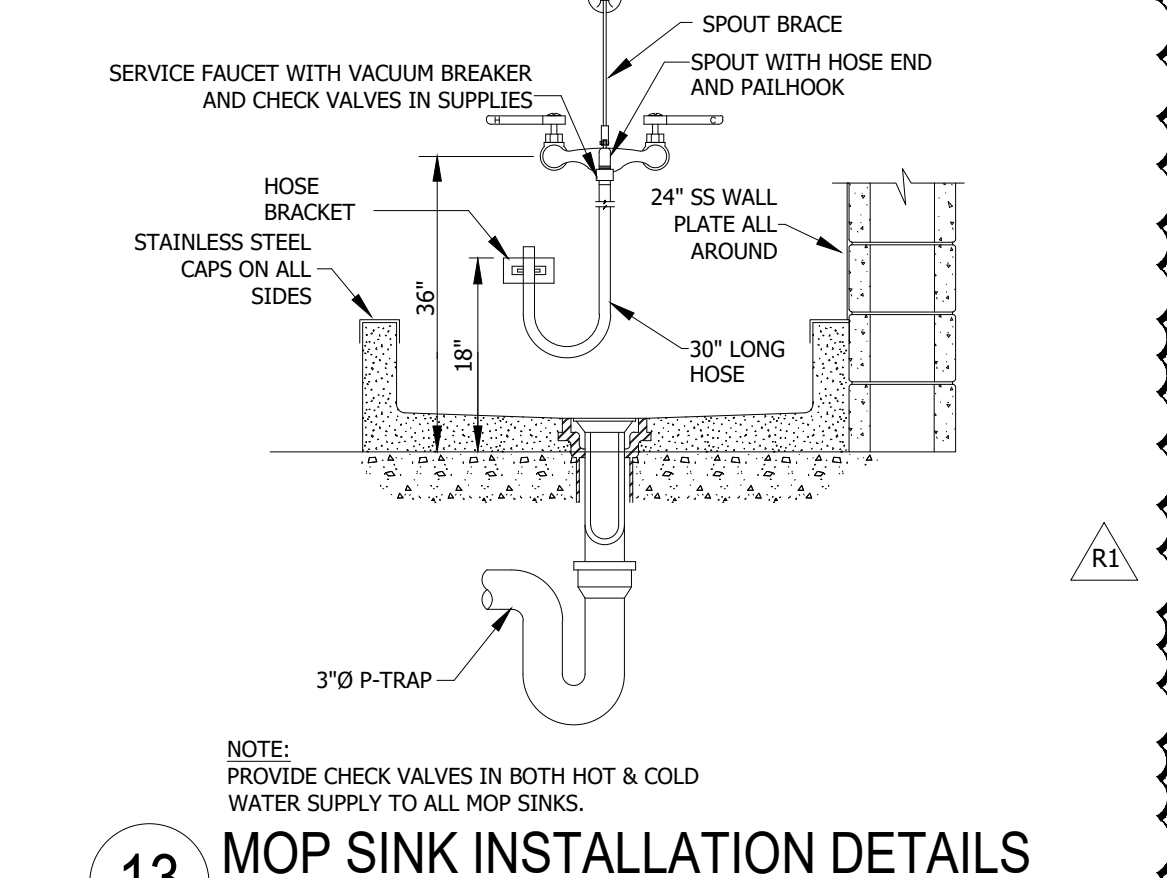
10 WALL CLEANOUT DETAIL
SCALE: NTS



11 ELECTRIC WATER HEATER DETAILS
SCALE: NTS



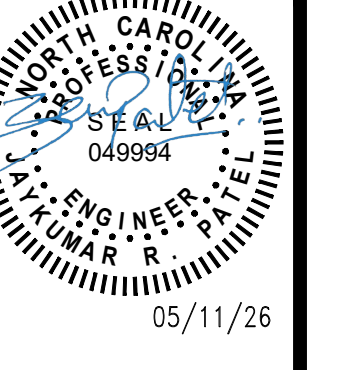
12 RECESSED WALL HYDRANT DETAIL
SCALE: NTS



13 MOP SINK INSTALLATION DETAILS
SCALE: NTS

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R1 05-11-2026	HCS

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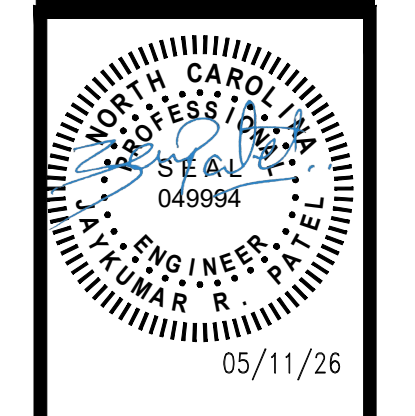


AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING DETAILS

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P2
OF SHEETS	

REVISIONS	BY
R1_05-11-2026	HCS

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 GREENTECH LICENSE # C-2720



AFREYA'S PLAYGROUND
 12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING DEMOLITION PLAN

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P3
OF	SHEETS

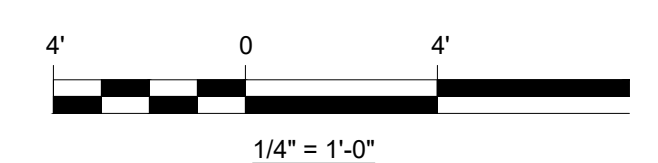
PLUMBING DEMOLITION NOTES

- PD-1 REMOVE WATER CLOSET, ASSOCIATED WATER, WASTE AND VENT PIPING.
- PD-2 REMOVE LAVATORY, ASSOCIATED WATER, WASTE AND VENT PIPING.
- PD-3 REMOVE BATH TUB, ASSOCIATED WATER, WASTE AND VENT PIPING.
- PD-4 REMOVE SHOWER FAUCET, ASSOCIATED WATER, WASTE AND VENT PIPING.
- PD-5 FIELD VERIFY AND REPLACE EXISTING WATER LINE WITH NEW 1" LINE FROM WATER METER. COORDINATE WITH UTILITY COMPANY.
- PD-6 FIELD VERIFY AND REMOVE EXPANSION TANK FROM CRAWL SPACE. REMOVE ALL WATER PIPING FROM CRAWL SPACE.
- PD-7 REMOVE SANITARY WASTE UP TO THE EXISTING SEPTIC TANK.
- PD-8 REMOVE ALL SANITARY WASTE PIPING FROM THE CRAWL SPACE.
- PD-9 REMOVE EXISTING KITCHEN SINK. REMOVE ALL PIPING.
- PD-10 REMOVE EXISTING WATER AND WASTE PIPING ASSOCIATED WITH DISHWASHER.
- PD-11 REMOVE EXISTING WATER PIPING ASSOCIATED WITH REFRIGERATOR.

R1



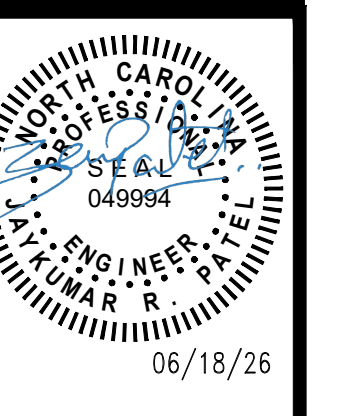
1 PLUMBING DEMOLITION PLAN
 SCALE: 1/4"=1'-0"



GRAPHIC SCALE

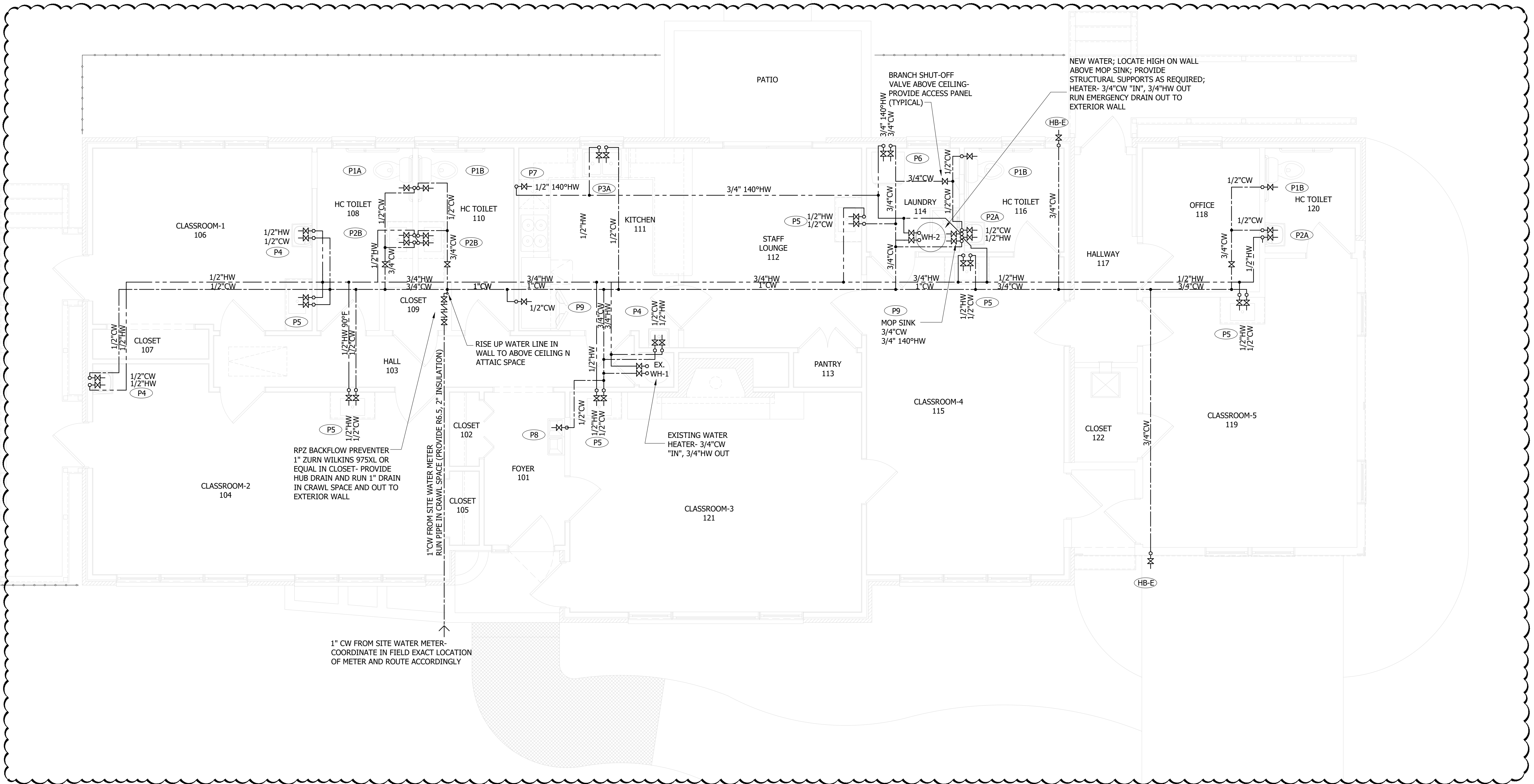
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R1_05-11-2026	HCS
R2_06-18-2026	HCS

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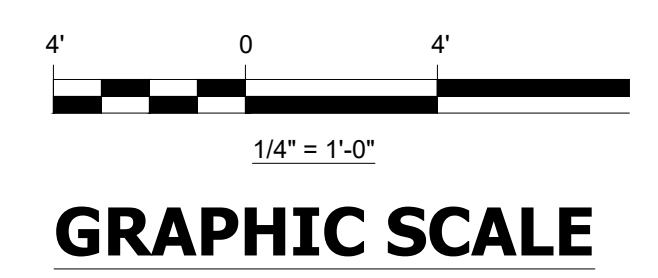


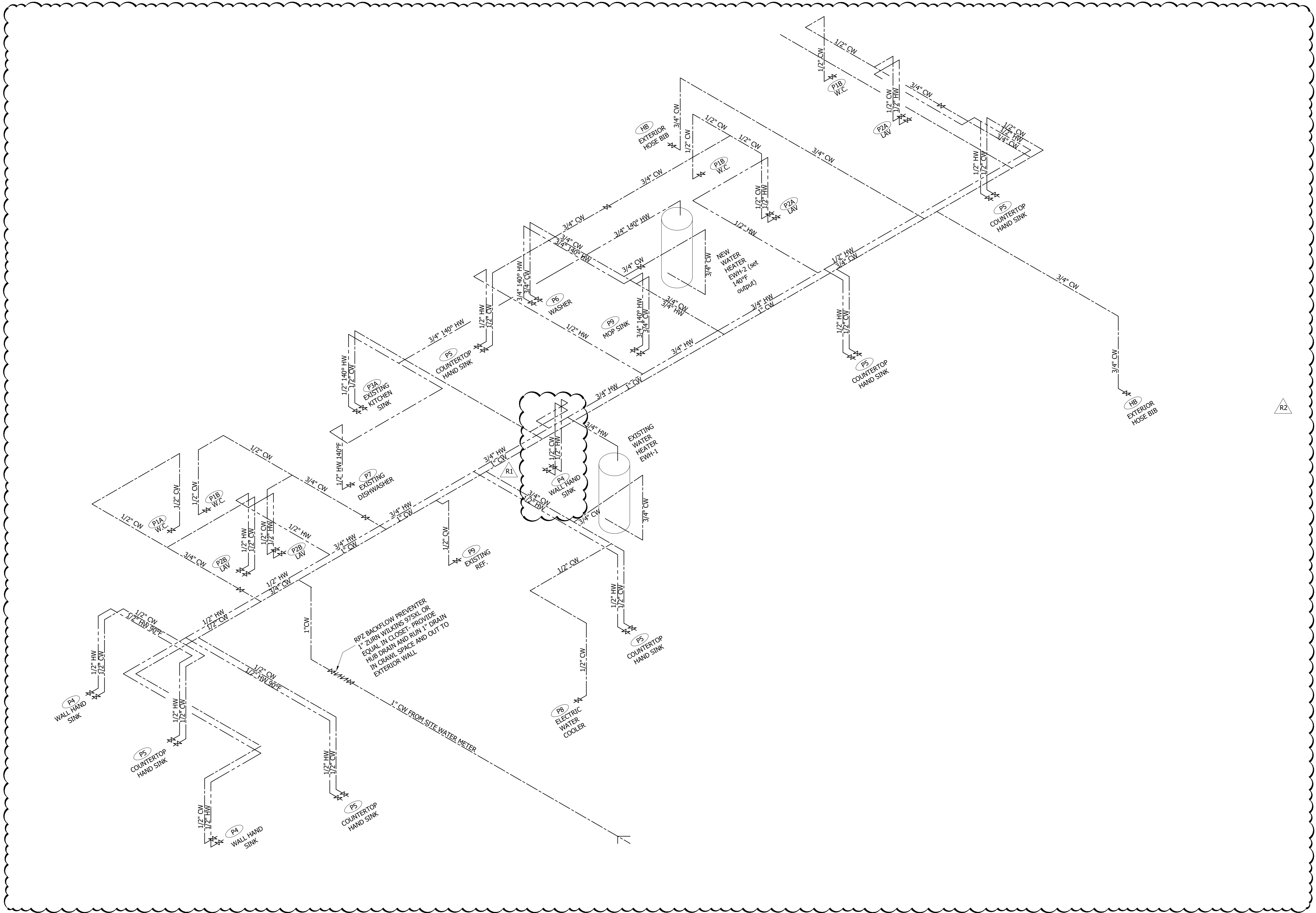
AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WATER PLAN

DATE:	04-10-26
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OF SHEETS	



1 PLUMBING WATER PLAN
 SCALE: 1/4"=1'-0"





1 PLUMBING WATER RISER
SCALE: NTS

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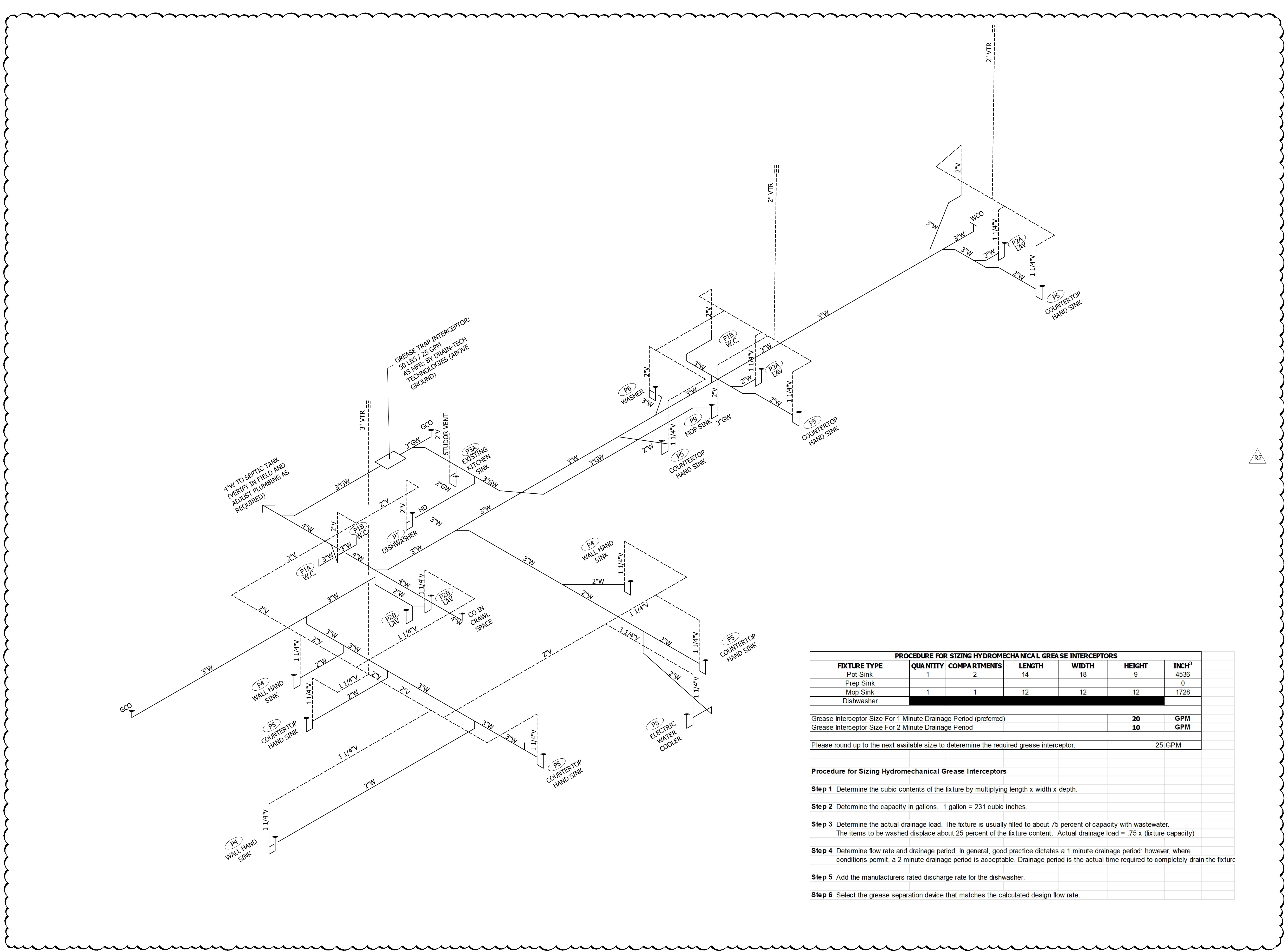
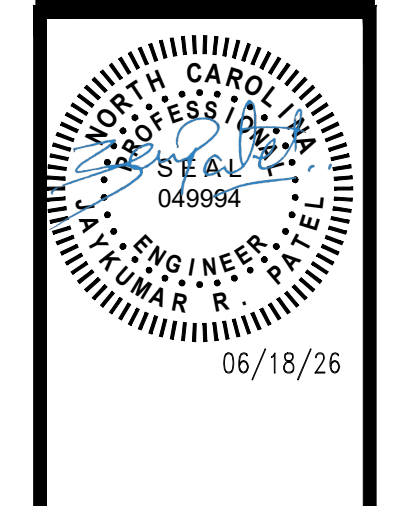


AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WATER RISER

DATE:	04-10-26
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PROCEDURE FOR SIZING HYDROMECHANICAL GREASE INTERCEPTORS						
FIXTURE TYPE	QUANTITY	COMPARTMENTS	LENGTH	WIDTH	HEIGHT	INCH ³
Pot Sink	1	2	14	18	9	4536
Prep Sink						0
Mop Sink	1	1	12	12	12	1728
Dishwasher						
Grease Interceptor Size For 1 Minute Drainage Period (preferred)					20	GPM
Grease Interceptor Size For 2 Minute Drainage Period					10	GPM
Please round up to the next available size to determine the required grease interceptor.					25	GPM

- Procedure for Sizing Hydromechanical Grease Interceptors**
- Step 1** Determine the cubic contents of the fixture by multiplying length x width x depth.
 - Step 2** Determine the capacity in gallons. 1 gallon = 231 cubic inches.
 - Step 3** Determine the actual drainage load. The fixture is usually filled to about 75 percent of capacity with wastewater. The items to be washed displace about 25 percent of the fixture content. Actual drainage load = .75 x (fixture capacity)
 - Step 4** Determine flow rate and drainage period. In general, good practice dictates a 1 minute drainage period; however, where conditions permit, a 2 minute drainage period is acceptable. Drainage period is the actual time required to completely drain the fixture
 - Step 5** Add the manufacturers rated discharge rate for the dishwasher.
 - Step 6** Select the grease separation device that matches the calculated design flow rate.

1 PLUMBING WASTE RISER
 SCALE: NTS

AFREYA'S PLAYGROUND
 12082 NC HWY. 42, FUQUAY VARINA, NC 27526
 PLUMBING WASTE RISER

DATE:	04-10-26
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OF	SHEETS