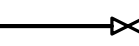

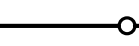



PLUMBING GENERAL NOTES
GENERAL
THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY MINOR DETAIL. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE ACCEPTABLE WORKING INSTALLATION. DO NOT SCALE DRAWINGS FOR THE EXACT LOCATIONS OF EQUIPMENT, CONDUITS, LIGHTING FIXTURES, PENETRATIONS ETC.
PLUMBING CONTRACTOR TO PAY FOR ALL APPLICABLE FEES, TAXES, AND PERMITS.
ALL PLUMBING WORK SHALL BE INSTALLED PER THE 2023 FLORIDA PLUMBING CODE FOR PLUMBING, AND PERTINENT LOCAL CODES OR ORDINANCES, OR BY THESE STANDARDS IF MORE STRINGENT.
CONTRACTOR RESPONSIBLE FOR COORDINATING WITH ALL EXISTING CONDITIONS PRIOR TO AND DURING INSTALLAION.
ALL REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DEFECTIVE WORKMANSHIP, AND WILL PROVIDE A ONE YEAR WARRANTY FOR MATERIALS, AND EQUIPMENT FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE.
NO PLUMBING FIXTURE, SPECIAL EQUIPMENT, DEVICE OR PIPING SHALL BE INSTALLED WHICH WILL PROVIDE CROSS-CONNECTION OR INTERCONNECTION BETWEEN DRINKING WATER AND NON-POTABLE WATER SUPPLY.
PLUMBING CONTRACTOR RESPONSIBLE FOR KEEPING A CLEAN, AND SAFE WORKING ENVIRONMENT. MATERIALS AND FIXTURES MUST BE STORED IN A NEAT AND ORDERLY WAY. TRASH AND DEBRIS SHALL BE PICKED UP ON A DAILY BASIS.
PLUMBING CONTRACTOR TO LOCATE EXISTING SITE SANITARY AND WATER PIPING PRIOR TO INSTALLATION.
ALL POWER AND CONTROL WIRING TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES, MOUNTING HEIGHTS AND DIMENSIONS.
PLUMBING CONTRACTOR TO SUBMIT SPECIFICATIONS FOR ALL PLUMBING EQUIPMENT, FIXTURES, FAUCETS, AND MATERIALS PRIOR TO INSTALLATION. ANY ITEM OTHER THAN THAT SPECIFIED, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL FIVE DAYS PRIOR TO THE BID. ITEMS NOT APPROVED MAY NOT BE INSTALLED. UPON THE DETERMINATION OF THE ENGINEER AND ARCHITECT, FAILURE TO COMPLY SHALL RESULT IN THE REMOVAL OF ITEMS NOT APPROVED AND REPLACEMENT WITH AN APPROVED ITEM AT THE PLUMBERS EXPENSE.
PLUMBING FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THESE NOTES AND THE SCHEDULE AS SHOWN ON THE PLANS. INSTALLATION WILL INCLUDE ALL ITEMS AND ACCESSORIES AS REQUIRED TO OBTAIN A COMPLETE INSTALLATION. IF THERE IS A DISCREPENCY BETWEEN THE NOTES, AND THE SCHEDULE SHOWN ON PLANS, PLUMBER TO INSTALL ACCORDING TO SCHEDULE ON PLUMBING PLANS.
SUBMITTALS ARE TO BE SUBMITTED BOUND IN ORDER, WITH THE FOLLOWING: COVER SHEET, INDEX SHEET, FIXTURE SHEETS ARE TO BE LABELED WITH THE APPROPRIATE SYMBOL LOCATED AT THE UPPER RIGHT CORNER OF THE SHEET. (TABS MAY BE USED IN LIEU OF LABELING EVERY SHEET).
PLUMBING CONTRACTOR IS RESPONSIBLE FOR ORDERING ALL MATERIALS AND EQUIPMENT IN A TIMELY MANNER AS TO NOT DELAY ANY PHASE OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTED MATERIALS. COORDINATION WITH JOB SUPERVISOR AND FOREMAN PERTAINING TO DELIVERY TIMES, AND STORAGE OF MATERIALS IS THE RESPONSIBILITY OF THE PLUMBING OR FOOD SERVICE CONTRACTOR.
PRIOR TO FINAL WALK-THROUGH PLUMBER TO PROVIDE OWNER WITH AS-BUILT DRAWINGS, (SHOWING LOCATIONS OF ALL PIPING, VALVES, EQUIPMENT, ETC.) AND ALL WARRANTY INFORMATION, EQUIPMENT MAINTENANCE PROCEDURES AND SCHEDULES, MANUFACTURE'S INSTRUCTIONS ETC.
PLUMBER SHALL INSTALL ALL ITEMS ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, UTILIZING APPROVED MATERIALS ONLY. PLUMBER SHALL INSTALL MATERIALS AS TO NOT VOID THE MANUFACTURER'S WARRANTY.
CONNECTIONS SHALL INCLUDE NECESSARY TRAPS, DRAINS, OVERFLOWS, SHUTOFF VALVES, ETC. IN ACCORDANCE WITH APPROVED ROUGH-IN DRAWINGS. ROUGH-IN WORK DONE INCORRECTLY, WITHOUT APPROVED DRAWINGS, SHALL BE RELOCTED IF REQUIRED BY THE OWNER'S REPRESENTATIVE AT NO EXPENSE TO THE OWNER.
PLUMBING CONTRACTOR RESPONSIBLE FOR FINAL CONNECTION OF ALL APPLIANCES SHOWN ON DRAWINGS TO PLUMBING SYSTEM. GARBAGE DISPOSER, DSHWASHER, ETC. REFERENCE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS.
PIPING SHALL NOT BE PERMANENTLY CLOSED-UP, FURRED-IN, OR COVERED OVER PRIOR TO BEING TESTED AND INSPECTED. ENGINEER REQUIRES 5 DAY NOTICE PRIOR TO INSPECTION. FAILURE TO COMPLY MAY RESULT IN THE UNCOVERING OF PIPING AT THE PLUMBER'S EXPENSE.
PIPING SHALL BE ARRANGED TO MAINTAIN HEADROOM, KEEP PASSAGEWAYS AND ACCESS OPENINGS CLEAR AND WHERE NECESSARY, BE OFFSET TO MAINTAIN THE REQUIRED CLEARNESS AND COINCIDE WITH THE STRUCTURAL FEATURES OF THE BUILDING.
PIPING SHALL BE INSTALLED AT A HEIGHT SO AS NOT TO OBSTRUCT ANY PORTION OF A WINDOW, LIGHT FIXTURE, DOORWAY, PIPE, TUNNEL, OR PASSAGEWAY. VERIFY CLEARANCES WITH ARCHITECTURAL SECTIONS PRIOR TO INSTALLATION.
INSTALL PIPING STRAIGHT, PLUMB, AND AS DIRECT AS POSSIBLE; FORM RIGHT ANGLES OR PARALLEL LINES WITH BUILDING WALLS.
LOCATE GROUPS OF PIPES PARALLEL TO EACH OTHER KEEPING PIPES CLOSE TO WALLS, PARTITIONS, CEILING; OFFSETTING ONLY WHERE NECESSARY TO FOLLOW WALLS AS DIRECTED.
INSTALL HORIZONTAL PIPING AS HIGH AS POSSIBLE WITHOUT SAGS OR HUMPS.
WHERE FURRED SPACES ARE INDICATED, KEEP PIPES AS CLOSE TO STRUCTURAL MEMBERS AS POSSIBLE SO AS TO REQUIRE MINIMUM FURRING.
ESCUTCHEONS ARE REQUIRED WHERE PIPES PASS THROUGH A FINISHED SURFACE. ESCUTCHEON SHALL FIT FLUSH WITH WALL OR FLOOR AND SHALL FIT SNUGLY AROUND THE PIPE.

PIPING NOTES AND SPECIFICATIONS:
GENERAL CONT.
ALL PIPE FLOOR PENETRATIONS TO BE PROTECTED WITH THE APPROPRIATE "PROSET" FIRESTOPPING PENETRATORS. WALLS PENETRATIONS SHALL BE PROTECTED WITH THE APPROPRIATE "SPEC-SEAL 100" FIRESTOPPING METHOD.
ANY SURFACES REQUIRED TO BE PAINTED SHALL BE CLEANED OF RUST, GREASE, AND OIL.
VENT THROUGH ROOF SHALL TERMINATE A MINIMUM OF 10' FROM ANY AIR INTAKES AND 12" ABOVE PARAPET WALL.
CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL, SO THAT WALL INSULATION CAN BE PLACED ON THE EXTERIOR SIDE OF THE PIPING.
DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.
EXPOSED HOT WATER AND DRAIN PIPES UNDER HANDICAP LAVATORIES SHALL BE PROTECTED WITH "LAV GUARDZ" BY TRUEBRO. WHITE UNLESS OWNER SPECIFIES.
UNIONS ARE TO BE INSTALLED ON EACH SIDE OF EACH PIECE OF EQUIPMENT AND WHEREVER NEEDED TO DISMANTLE PIPING. ALL EQUIPMENT MUST BE ABLE TO BE REMOVED, AND SERVICED WITHOUT THE CUTTING OF PIPING. UNIONS MUST BE ACCESSIBLE AND ARE NOT TO BE INSTALLED IN CONCEALED WALLS, PARTITIONS, OR CEILINGS.
SANITARY, STORM AND DRAINAGE
ALL CONDENSATE AND VENT PIPING SHALL BE PVC PLASTIC PIPE (TYPE DWV) WITH SOLVENT WELDED JOINTS.
WATER HEATER DRAIN LINE SHALL BE CPVC PLASTIC PIPING AND TUBING WITH SOLVENT WELDED JOINTS.
FOR DRAINAGE PIPING CHANGES IN DIRECTION, USE LONG-SWEEPS. WHERE NOT POSSIBLE SHORT-SWEEPS, 1/4 BENDS OR COMBINATION Y AND 1/8 BENDS, MAY BE USED. SANITARY TEES MAY ONLY BE USED FOR HORIZONTAL BRANCHES DISCHARGING INTO STACKS.
ALL SANITARY, STORM, WATER, AND CONDENSATE PIPING PASSING UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A PIPE SLEEVE OF SCHEDULE 40 PVC BUILT INTO THE MASONRY WALL. SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH.
ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
ALL EXPOSED PVC PIPING TO BE CLEANED WITH CLEAR CLEANER AND THEN PRIMED AND PAINTED WITH A LATEX BASE PAINT COLOR TO BE CHOSEN BY ARCHITECT. THIS INCLUDES ALL EXPOSED PVC PIPING.
CLEANOUTS AND FLOOR DRAINS
CLEANOUTS ARE TO BE OF THE SAME MATERIAL AS THE PIPE IT SERVES. CLEANOUTS LOCATED IN CARPET ARE TO BE EQUIPPED WITH A CARPET MARKER. CARPET FLANGES ARE NOT ACCEPTABLE. CLEANOUTS LOCATED IN TILE SHALL HAVE A SQUARE TOP. CLEANOUTS LOCATED OUTSIDE ARE TO BE OF THE HEAVY DUTY TYPE.
CLEANOUTS SHALL HAVE BRONZE, SCORIATED COVERS. CLEANOUTS IN MECHANICAL ROOMS AND CLOSETS MAY HAVE A CAST IRON COVER.
CLEANOUTS SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS, AND NEAR THE BASE OF ALL VERTICAL WASTE OR SOIL STACKS. CLEANOUTS SHALL BE READILY ACCESSIBLE AND HAVE A CLEARANCE OF NOT LESS THAN EIGHTEEN INCHES FOR THE PURPOSE OF RODDING. CLEANOUTS MUST BE THE SAME SIZE AS THE PIPE IT SERVES UP TO 4", AND MUST TERMINATE FLUSH WITH FINISH WALL OR FLOOR.
FLOOR CLEANOUTS LOCATED ABOVE THE GROUND FLOOR ARE TO BE INSTALLED WITH FLASHING CLAMP DEVICES.
CLEANOUTS IN OR BEHIND WALLS SHOULD HAVE AN ACCESS COVER AND FRAME EMBEDDED FLUSH WITH THE FINISHED WALL. THE COVER SHALL BE SMOOTH BRONZE OF AMPLE SIZE TO PROVIDE A CLEAR ACCESS TO THE CLEANOUTS.
FLOOR DRAINS TO BE EQUAL TO SIOUX CHIEF "FINISH LINE" ADJUSTABLE DRAINAGE SYSTEM OR AS SCHEDULED.
ALL FLOOR DRAINS TO BE EQUIPPED WITH AN AUTOMATIC TRAP PRIMER CONNECTED TO THE NEAREST PLUMBING FIXTURE EQUAL TO SIOUX CHIEF #695-01 PRIMER VALVE AND DISTRIBUTOR PIPING ASSEMBLY OR ZURN #Z1021 TRAP PRIMER. (TRAP SEALS ALLOWED) SEE PLUMBING DETAIL SHEET.
INSULATION
ALL HOT WATER PIPING TO BE INSULATED WITH 1" WALL FLEXIBLE UNICELLULAR INSULATION. BRANCH LINES LESS THAN 12' SHALL BE PERMITTED TO BE 1/2" INSULATION WALL FLEXIBLE UNICELLULAR INSULATION.
ALL PVC (DWV) SANITARY AND STORM PIPING IS TO BE INSULATED WITH 1" FIBERGLASS, SELF LAPPING INSULATION WITH AN ALL PURPOSE JACKET.
INSULATION SHALL BE INSTALLED WITH SMOOTH AND EVEN SURFACES. INSULATE EACH CONTINUOUS RUN OF PIPING WITH FULL-LENGTH UNITS OF INSULATION, WITH A SINGLE CUT PIECE TO COMPLETE THE RUN. DO NOT USE CUT PIECES OR SCRAPS ABUTTING EACH OTHER. INSULATION TO BE COMPLETELY ENCLOSE THE PIPING.
EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS AND SIMILAR PIPING PENETRATIONS.
INSTALL PROTECTIVE METAL SHIELD AND INSULATED INSERTS WHEREVER NEEDED TO PREVENT COMPRESSION OF INSULATION.

HARDWARE NOTES AND SPECIFICATIONS:
WATER PIPING
ALL WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER LEAD FREE SOLDERED JOINTS.
ALL COPPER PIPING SHALL BE ISOLATED FROM CONCRETE STRUCTURES. COPPER PIPING PASSING THROUGH CONCRETE WALLS AND OR FLOORS WILL BE PROTECTED AND ISOLATED WITH 1/2" UNICELLULAR INSULATION OR WITH AT LEAST 2 LAYERS OF 30 LB ROOFING FELT.
PIPING RUNNING PARALLEL TO CONCRETE SHALL BE ISOLATED FROM CONCRETE STRUCTURE UTILIZING AN OFFSET HANGER OF THE APPROPRIATE MATERIAL.
CONNECTIONS BETWEEN COPPER AND STEEL PIPING SHALL BE MADE WITH DIELECTRIC UNIONS OR DIELECTRIC ADAPTERS.
PLASTIC PIPING PASSING THROUGH STUDS SHALL BE PROTECTED FROM DRYWALL SCREWS WITH A GALVANIZED STEEL PLATE.
VALVES
UNLESS NOTED OTHERWISE, VALVES AND SPECIALTY ITEMS SHALL BE FOR HOT AND COLD DOMESTIC WATER AS MANUFACTURED BY NIBCO OR EQUAL.
GATE VALVES, 2" AND SMALLER, SHALL BE CLASS 125, SHALL HAVE A BRONZE BODY, SCREW-IN BONNET, NON-RISING STEM, AND SOLID WEDGE. 2½" AND LARGER, SHALL BE CLASS 125, SHALL HAVE AN IRON BODY, BOLTED BONNET, OS&Y, SOLID WEDGE, STAINLESS STEEL TRIM AND FLANGED ENDS.
BALL VALVES, 2" AND SMALLER, SHALL BE RATED 150 PSI, SHALL HAVE A BRONZE BODY, STANDARD PORT, STAINLESS STEEL TRIM, TFE SEATS AND BLOWOUT-PROOF STEM.
CPVC BALL VALVES, 2" AND SMALLER, SHALL BE RATED 150 PSI, ONE-PIECE MOLDED CPVC BODY AND SOCKET ENDS.
GLOBE VALVES, 2" AND SMALLER, SHALL BE CLASS 125, SHALL HAVE A BRONZE BODY, SCREW-IN BONNET, INTEGRAL SEAT, RENEWABLE SEAT AND DISC. 2½" AND LARGER, SHALL BE CLASS 125, SHALL HAVE AN IRON BODY, BOLTED BONNET, RENEWABLE SEAT AND DISC, BRONZE MOUNTED AND FLANGED ENDS.
BUTTERFLY VALVES, 2½" AND LARGER, SHALL BE RATED 200 PSI, SHALL HAVE A CAST IRON BODY, EXTENDED NECK, GEOMETRIC DRIVE, MOLDED IN SEAT LINER, LUG STYLE AND INSTALLED BETWEEN STD. CLASS 125/150 FLANGES.
CHECK VALVES, 2" AND SMALLER, SHALL BE CLASS 125, SHALL HAVE A BRONZE BODY, HORIZONTAL SWING, REGRINDING TYPE, Y-PATTERN, RENEWABLE SEAT AND DISC. 2½" AND LARGER, SHALL BE CLASS 125 IRON SILENT CHECK VALVE, GLOBE STYLE, RENEWABLE SEAT AND DISC, SPRING ACTUATED, AND FLANGED ENDS. CHECK VALVES SHALL HAVE THE ABILITY TO BE MOUNTED HORIZONTAL OR VERTICAL.
STRAINERS, 2" AND SMALLER, SHALL BE CLASS 125, SHALL A BRONZE BODY, SCREW-IN CAP, TAPPED CAP W/ BLOW-OFF PLUG, SS PERFORATED SCREEN.
ALL VALVES, UNIONS, AND SPECIALTY ITEMS MAY NOT BE SHOWN IN EVERY INSTANCE ON THE DRAWINGS BUT ARE TO BE PROVIDED WHETHER SHOWN OR NOT WHEN NECESSARY FOR PROPER OPERATION AND MAINTENANCE OF THE SYSTEM. LOCATE VALVES FOR EASY ACCESS AND OPERATIONS. WHERE CONCEALED, PROVIDE ACCESS DOORS.
EACH VALVE SHALL BE INSTALLED TO BE EASILY ACCESSIBLE FOR OPERATION, VISUAL INSPECTION, AND MAINTENANCE.

HARDWARE NOTES AND SPECIFICATIONS:
MISC HARDWARE
TEMPERATURE GAUGES (UNLESS PART OF OEM PRODUCTS) ARE TO BE RED ALCOHOL LIQUID TYPE WITH BLACK ON WHITE MARKS.
THE WATER HEATER PAN DRAIN SHALL BE MADE OF ALUMINUM WITH A 1" CPVC DRAIN LINE AS MANUFACTURED BY OATEY.
ANY PUMPS OR EQUIPMENT THAT REQUIRE LUBRICATION SHALL BE INSTALLED SO THAT THE LUBRICATION POINTS ARE ACCESSIBLE. THE PLUMBER SHALL PROVIDE TO THE OWNER THREE COPIES OF A TYPED LIST OF ALL LUBRICANTS REQUIRED FOR INSTALLED EQUIPMENT, THE LOCAL SUPPLIER, AND A LUBRICATION SCHEDULE PRIOR TO THE COMPLETION OF THE JOB.
THE PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANELS FOR THE ACCESS TO CONCEALED VALVES, P-TRAPS, CLEANOUTS, UNIONS, AND OTHER DEVICES REQUIRING SERVICE AND OR ACCESS. EACH ACCESS PANEL SHALL BE PROPERLY SIZED, BUT IN NO CASE LESS THAN 12 INCHES BY 12 INCHES, TO ADEQUATELY SERVICE AND MAINTAIN THE SYSTEM. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ACCESS PANELS AND ANY REQUIRED PAINTING SHALL BE DONE BY THE PAINTING CONTRACTOR. (COLOR TO MATCH SURROUNDING FINISH, COORDINATE WITH ARCHITECT)
INTERIOR WALL ACCESS PANELS SHALL BE AS MANUFACTURED BY MIFAB "UA" OR EQUAL WITH 14 GAGE SATINCOAT STEEL DOOR AND 16 GAGE SATINCOAT STEEL FRAME. EXTERIOR WALL ACCESS PANELS SHALL BE STAINLESS STEEL.
INTERIOR CEILING ACCESS PANELS IN PLASTERED OR NON-LIFT OUT TYPE ACOUSTICAL TILE CEILING SHALL BE AS MANUFACTURED BY MIFAB "CAD" OR EQUAL WITH 14 GAGE SATINCOAT STEEL DOOR AND 16 GAGE SATINCOAT STEEL FRAME. THE DOOR PANEL IS RECESSED ¾" TO ALLOW THE INSERTION OF VARIOUS TYPES OF MATERIALS TO MATCH THE EXISTING. EXTERIOR CEILING ACCESS PANELS SHALL BE STAINLESS STEEL.
ALL WATER CLOSET, LAVATORY AND SINK STOPS, SUPPLIES, AND RISERS SHALL BE BRASSCRAFT OR EQUAL AND SHALL HAVE A CHROME PLATED FINISH, CONCEALED LAVATORIES MAY HAVE ROUGH FINISH.
ALL EXPOSED P-TRAPS SHALL BE CAST BRASS J-BEND WITH CHROME PLATED FINISH. CONCEALED TRAPS MAY BE PVC IN ALL AREAS.
HANGERS
PIPE HANGERS AND SUPPORTS SHALL BE INSTALLED ACCORDING TO THE 2023 FLORIDA BUILDING CODE, SECTION 308 PIPING SUPPORT AND TABLE 308.5 FOR HANGER SPACING.
FOR CONCEALED PIPING - FOR PIPING 4" AND LESS HANGERS SHALL BE GALVANIZED STEEL, ADJUSTABLE SWIVEL RING. PIPING GREATER THAN 4" HANGERS SHALL BE GALVANIZED STEEL ADJUSTABLE CLEVIS HANGERS. PIPING IN EXPOSED AREAS HANGERS SHALL BE STAINLESS STEEL. FOR NON-INSULATED COPPER PIPING HANGERS SHALL BE COPPER PLATED. FOR INSULATED PIPING HANGERS SHALL HAVE A INSULATION PIPE SHIELD.
PIPE CLAMPS FOR UNIT CPVC WATER PIPING 3/4" AND LESS SHALL BE EQUAL TO LSP PRODUCTS GROUP "STUB-OUT AND PIPE SECURE KITS".
FOR PIPING UP TO 2", 3/8" THREADED ROD SHALL BE USED. FOR PIPING LARGER THAN 2", 1/2" THREADED ROD SHALL BE USED. FOR EXPOSED PIPING THREADED ROD SHALL BE STAINLESS STEEL.
ALL HANGERS ARE TO BE INSTALLED PLUMB, AND PIPING SHALL BE HUNG SO THAT THE LOAD IS AXIAL ONLY. HANGERS SHALL BE HUNG SO THAT PIPING IS ON A STRAIGHT LINE.
BEAM CLAMPS AND OR BRACKETS ARE TO BE STAMPED AND NOT CAST. CONTRACTOR RESPONSIBLE FOR INSTALLING THE APPROPRIATE CLAMP CORRESPONDING TO THE BEAM, CHANNEL, OR JOIST IT CONNECTS TO.
HORIZONTAL WASTE PIPING SHALL BE HUNG TO PREVENT MOVEMENT IN ANY DIRECTION. SUPPORTS SHALL BE WITHIN 18 INCHES OF THE COUPLING JOINT AT 10 FOOT INTERVALS FOR 10 FOOT PIPE LENGTHS AND AT 5 FOOT INTERVALS FOR 5 FOOT PIPE LENGTHS. HANGERS SHALL BE PROVIDED AT EACH HORIZONTAL BRANCH CONNECTION, AND NO FURTHER THAN 18 INCHES FROM THE COUPLING.
TRAPS, TRAPARMS, CLOSET BENDS AND SIMILAR BRANCHES CAN BE SUPPORT BY PIPE STRAP WHERE APPROVED BY ENGINEER.
ALL PIPE HANGERS AND SUPPORTS SHALL BE EQUAL TO ANVIL INTERNATIONAL OR TOLCO BY NIBCO.

PLUMBING LEGEND	
—DCW—	DOMESTIC COLD WATER PIPING
—DHW—	DOMESTIC HOT WATER PIPING
—DHWR—	DOMESTIC HOT WATER RECIRCULATION PIPING
—V—	SANITARY VENT PIPING
EQO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
AF	ABOVE FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
IE	INVERT ELEVATION
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
	SHUTOFF VALVE
	PIPING ELBOW DOWN
	PIPING ELBOW UP
	PIPING TEE DOWN

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CONSTRUCTION DOCUMENTS FOR

COFFEE RUSH

1189 SW PINE ISLAND ROAD
CAPE CORAL, FL 33991

MK Architecture LLC

8200 College Parkway, Suite 101
Fort Myers, Florida 33919
239.482.2121
AR10564 ID6790
www.MK-ARCH.com



JOB: MK250158

DATE: 08-05-2025

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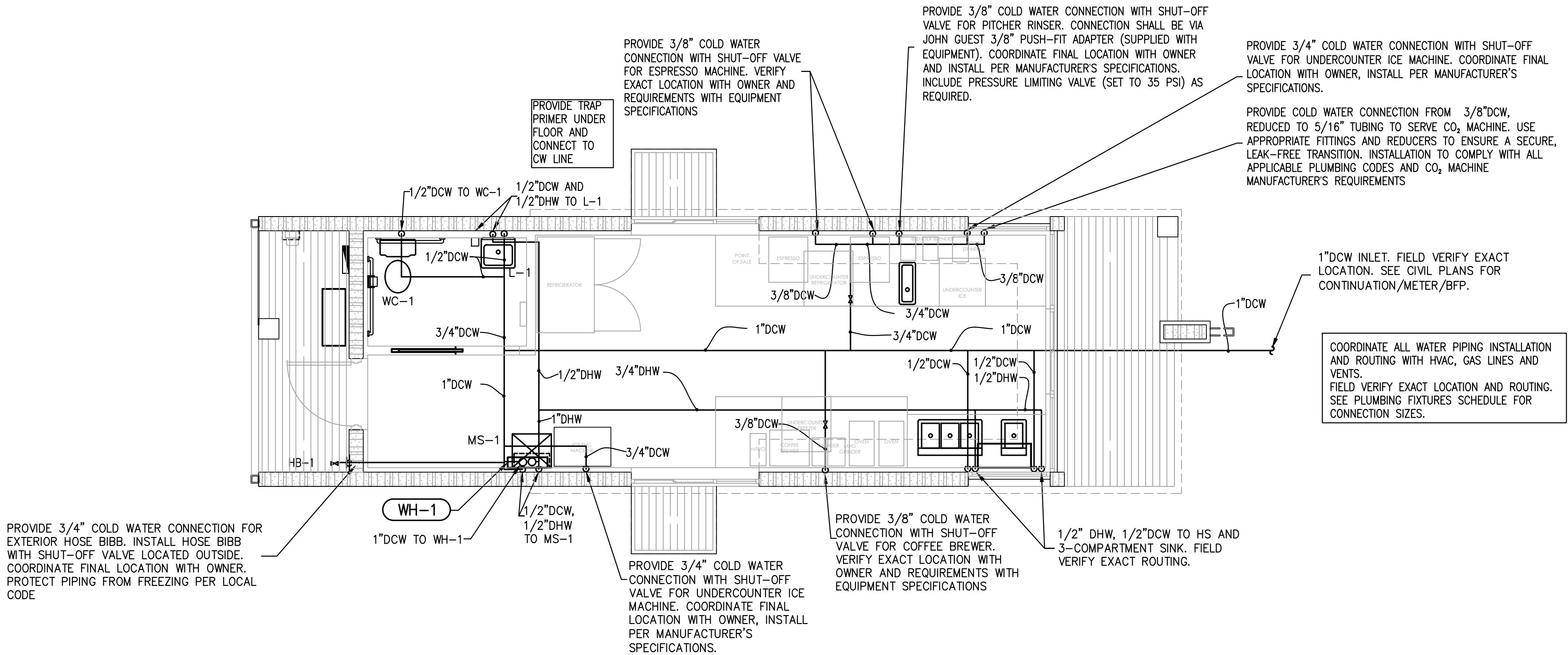
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PLUMBING FIXTURE SCHEDULE													
LTR	DESCRIPTION	MANUFACTURER	CATALOG NO.	PIPE SIZES					ELECTRIC				OTHER
				CW	HW	TRAP	SAN*	VT	VOLT	PH	AMPS	HP	
WC-1	*WATER CLOSET, 1.6 GAL	KOHLER	K-3819	1/2"	-	-	4"	2"	-	-	-	-	INSTALL PER ADA REQUIREMENTS
L-1	*LAVATORY	KOHLER	K-2005	1/2"	- 1/2"	1 1/4"	1 1/2"	- 1 1/2"	-	-	-	-	FAUCET KOHLER , MODEL K-15199-4 OR EQUAL
FD-1	*FLOOR DRAIN	ZURN	Z-415-BZ1-DP	3/8"	-	2"	2"	-	-	-	-	-	STAINLESS STEEL STRAINER
MS-1	*MOP SINK	REGENCY	600SM162012	1/2"	1/2"	2"	2"	-	-	-	-	-	WITH DELTA FAUCET 2819
FS-1	*FLOOR SINK	ZURN LC	FD2370	-	-	3"	3"	1-1/2 (MIN)	-	-	-	-	PVC-3/4" GRATE
3CS-1	3-COMPARTMENT SINK	JOHN BOOS	PB-DISINK101410-3	1/2"	1/2"	2"	2"	2"	-	-	-	-	-----
HS-1	HAND SINK	ADVANCE TABCO	DI-1-10SP-EC	1/2"	1/2"	2"	2"	2"	-	-	-	-	-----
HB-1	*HOSE BIB	ZURN	195XL	3/4"	-	-	-	-	---	---	---	-	-----
EWH-1	ELECTRIC WATER HEATER	Eemax	XTP032208	1"	1"	-	-	-	208	3	87	-	-----
PR-1	PITCHER RINSER	RHINO COFFEE GEAR	RHPR600-S	3/8"	-	-	1"	-	---	---	---	-	-----
GI-1	GREASE INTERCEPTOR	ZURN	RC35	---	-	-	---	-	---	---	---	-	INSTALL PER MANUFACTURER SPECIFICATIONS

*OR EQUAL. VERIFY PLUMBING FIXTURE INDICATED ON THE PLANS WITH THE ARCHITECT/OWNER PRIOR TO ORDERING OR INSTALLATION.
NOTES:
1. MOUNT ALL HANDICAP FIXTURES ACCORDING TO ADA SPECIFICATIONS
2. MINIMUM UNDERGROUND WASTE PIPING SIZE IS 2"
3. PROVIDE ALL FLOOR DRAINS WITH A TRAP PRIMER OR ASSE 1072 COMPLIANT TRAP SEAL DEVICE
4. PROVIDE ASSE 1070 COMPLIANT MIXING VALVE AT ALL HAND SINKS, LAV SINKS. 5. ALL FIXTURES AND EQUIPMENT LISTED HERE ARE TENTATIVE AND MUST BE VERIFIED WITH ARCHITECT AND OWNER FOR APPEARANCE AND FUNCTION.
7. PROVIDE MOP SINK WITH BUMPER GUARDS, STAINLESS STEEL WALL GUARDS, HOSE AND MOP BRACKET
8. PROVIDE ALL WATER CLOSETS A WHITE OPEN END ELONGATED TOILET SEAT.



PLUMBING-DOMESTIC COLD WATER PLAN

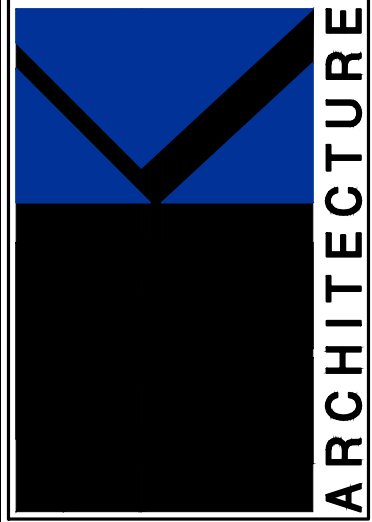
SCALE: 1/4"=1'-0"

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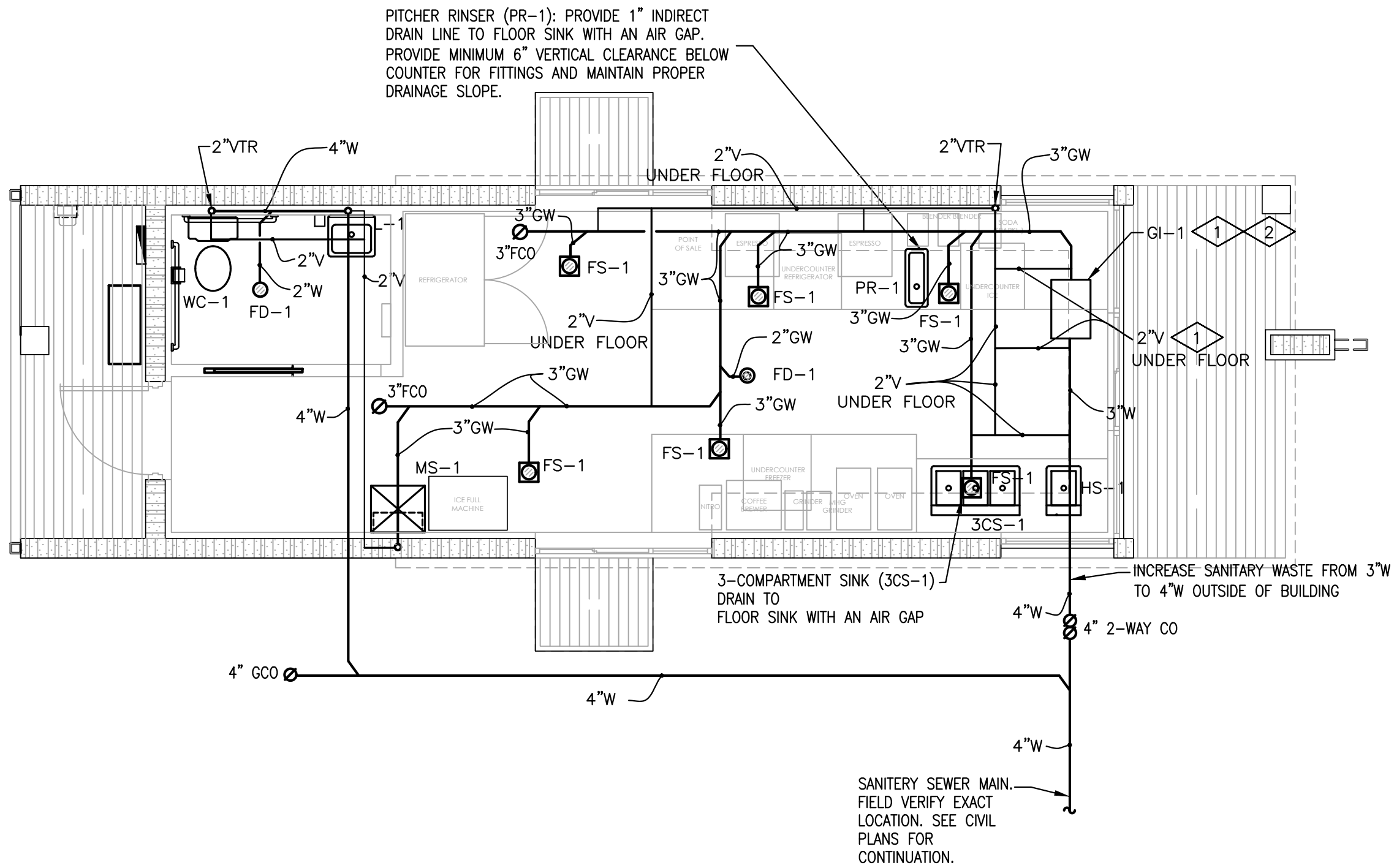
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PLUMBING FIXTURE SCHEDULE												
LTR	DESCRIPTION	MANUFACTURER	CATALOG NO.	PIPE SIZES					ELECTRIC			
				CW	HW	TRAP	SAN*	VT	VOLT	PH	AMPS	HP
WC-1	*WATER CLOSET, 1.6 GAL	KOHLER	K-3819	1/2"	-	-	4"	2"	-	-	-	-
L-1	*LAVATORY	KOHLER	K-2005	1/2"	-	1 1/4"	1 1/2"	-	1 1/2"	-	-	-
FD-1	*FLOOR DRAIN	ZURN	Z-415-BZ1-DP	3/8"	-	2"	2"	-	-	-	-	-
MS-1	*MOP SINK	REGENCY	600SM162012	1/2"	1/2"	2"	2"	-	-	-	-	-
FS-1	*FLOOR SINK	ZURN LC	FD2370	-	-	3"	3"	1-1/2 (MIN)	-	-	-	-
3CS-1	3-COMPARTMENT SINK	JOHN BOOS	PB-DISINK101410-3	1/2"	1/2"	2"	2"	2"	-	-	-	-
HS-1	HAND SINK	ADVANCE TABCO	DI-1-10SP-EC	1/2"	1/2"	2"	2"	2"	-	-	-	-
HB-1	*HOSE BIB	ZURN	195XL	3/4"	-	-	-	-	-	-	-	-
EW-1	ELECTRIC WATER HEATER	Eemax	XTPO32208	1"	1"	-	-	-	208	3	87	-
PR-1	PITCHER RINSER	RHINO COFFEE GEAR	RHPR600-S	3/8"	-	-	1"	-	-	-	-	-
GI-1	GREASE INTERCEPTOR	ZURN	RC35	-	-	-	-	-	-	-	-	-

*OR EQUAL. VERIFY PLUMBING FIXTURE INDICATED ON THE PLANS WITH THE ARCHITECT/OWNER PRIOR TO ORDERING OR INSTALLATION.

NOTES:

1. MOUNT ALL HANDICAP FIXTURES ACCORDING TO ADA SPECIFICATIONS
2. MINIMUM UNDERGROUND WASTE PIPING SIZE IS 2"
3. PROVIDE ALL FLOOR DRAINS WITH A TRAP PRIMER OR ASSE 1072 COMPLIANT TRAP SEAL DEVICE
4. PROVIDE ASSE 1070 COMPLIANT MIXING VALVE AT ALL HAND SINKS, LAV SINKS.
5. ALL FIXTURES AND EQUIPMENT LISTED HERE ARE TENTATIVE AND MUST BE VERIFIED WITH ARCHITECT AND OWNER FOR APPEARANCE AND FUNCTION.
7. PROVIDE MOP SINK WITH BUMPER GUARDS, STAINLESS STEEL WALL GUARDS, HOSE AND MOP BRACKET
8. PROVIDE ALL WATER CLOSETS A WHITE OPEN END ELONGATED TOILET SEAT.



KEY NOTES

- 1

2" VENT TO GI-1 PER MANUFACTURER'S REQUIREMENTS. PROVIDE VENTS UPSTREAM AND DOWNSTREAM OF UNIT. VENT INSTALLATION SHALL COMPLY WITH LOCAL PLUMBING CODE AND BE COORDINATED WITH ALL OTHER TRADES
- 2

INSTALL ZURN RETROCEPTOR RC35 GREASE INTERCEPTOR PER MANUFACTURER'S REQUIREMENTS. SET UNIT FLUSH WITH FINISHED FLOOR. PROVIDE REQUIRED ACCESS AND CLEARANCES FOR COVER REMOVAL, CLEANING, AND CLEAN-OUT. PROVIDE MINIMUM VERTICAL CLEARANCE ABOVE UNIT TO FULLY REMOVE BAFFLE AND COVER. COORDINATE LOCATION, ACCESS, AND INSTALLATION WITH ALL OTHER TRADES.

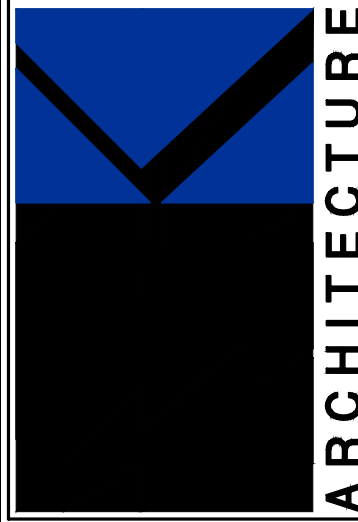
SANITARY PLUMBING PLAN

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

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CONSTRUCTION DOCUMENTS FOR
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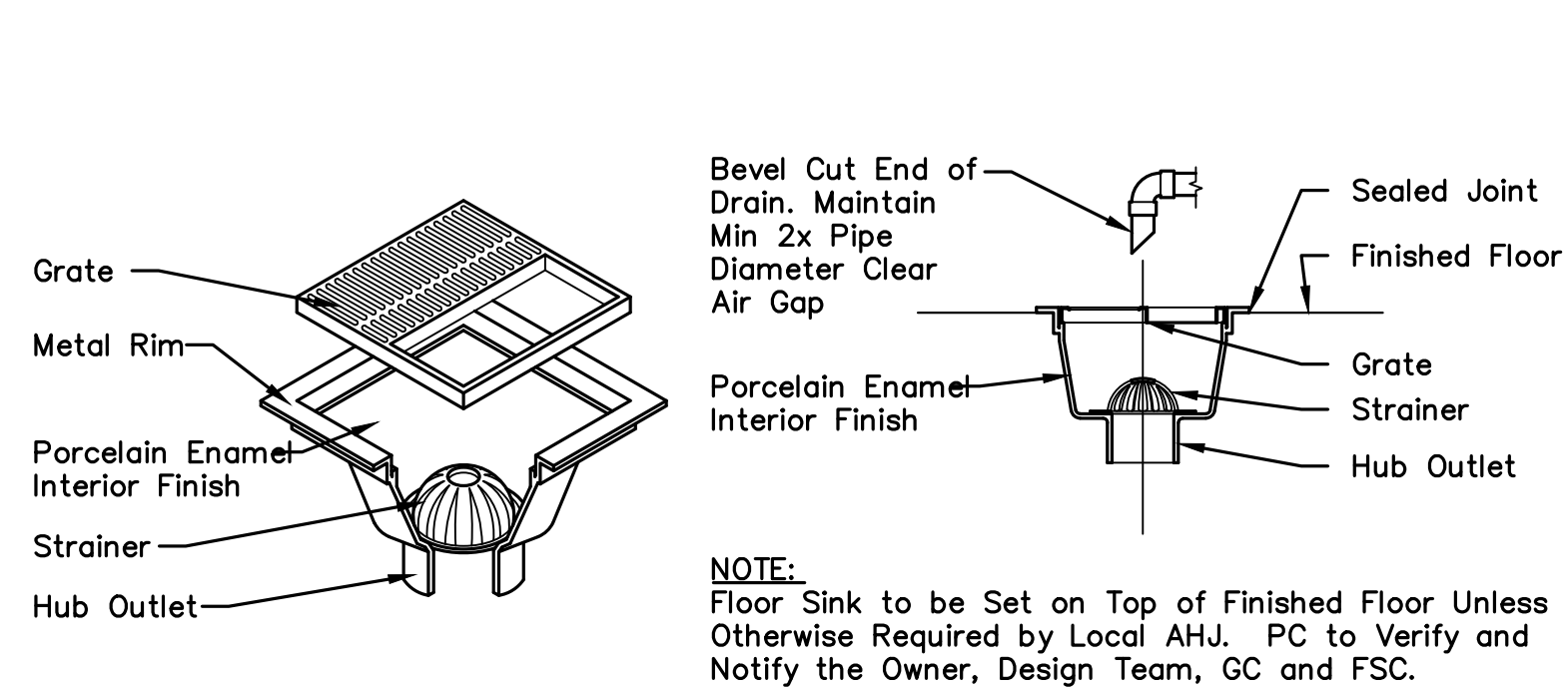
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Fort Myers, Florida 33919
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AR10564 ID6790
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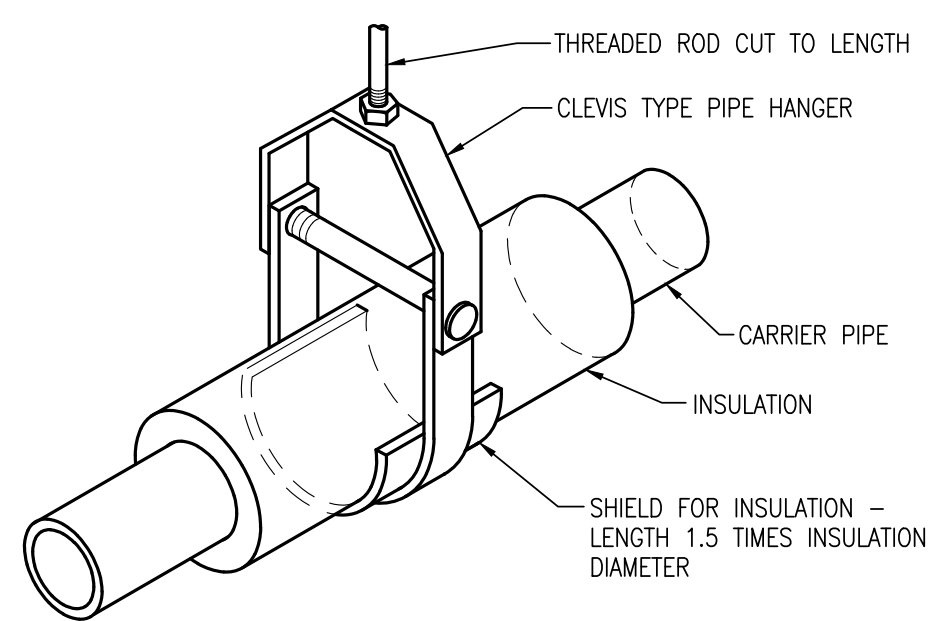
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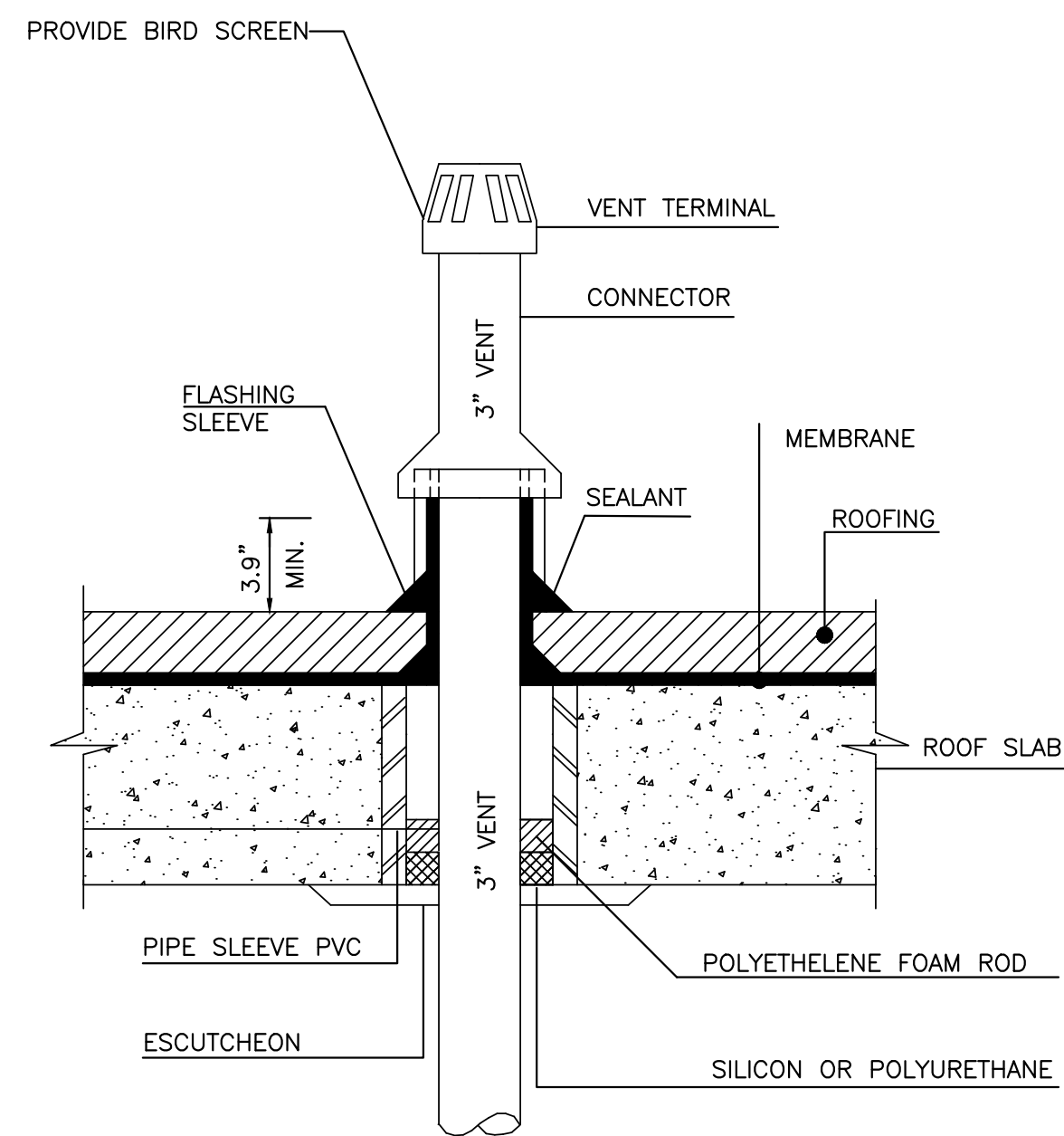
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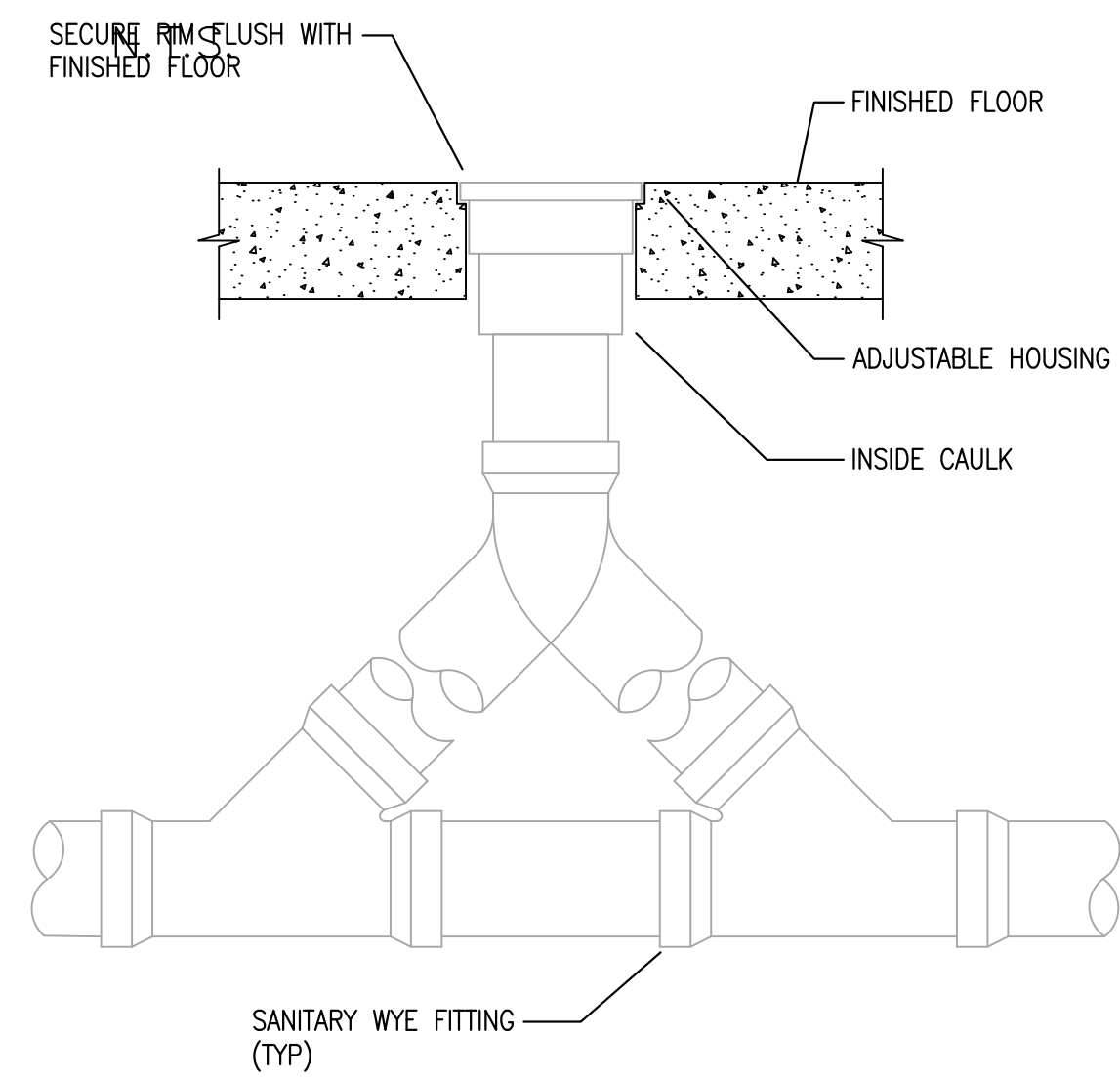
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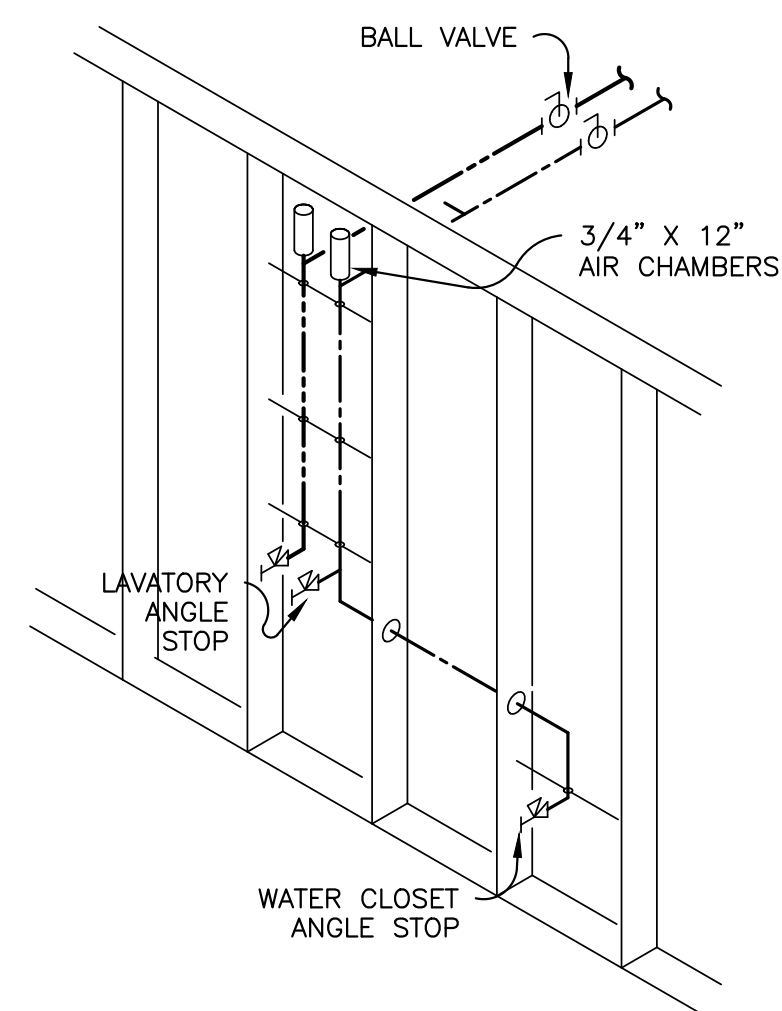
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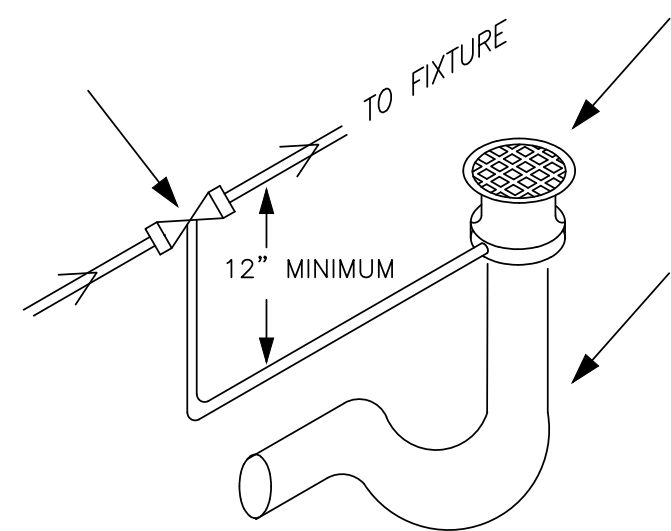
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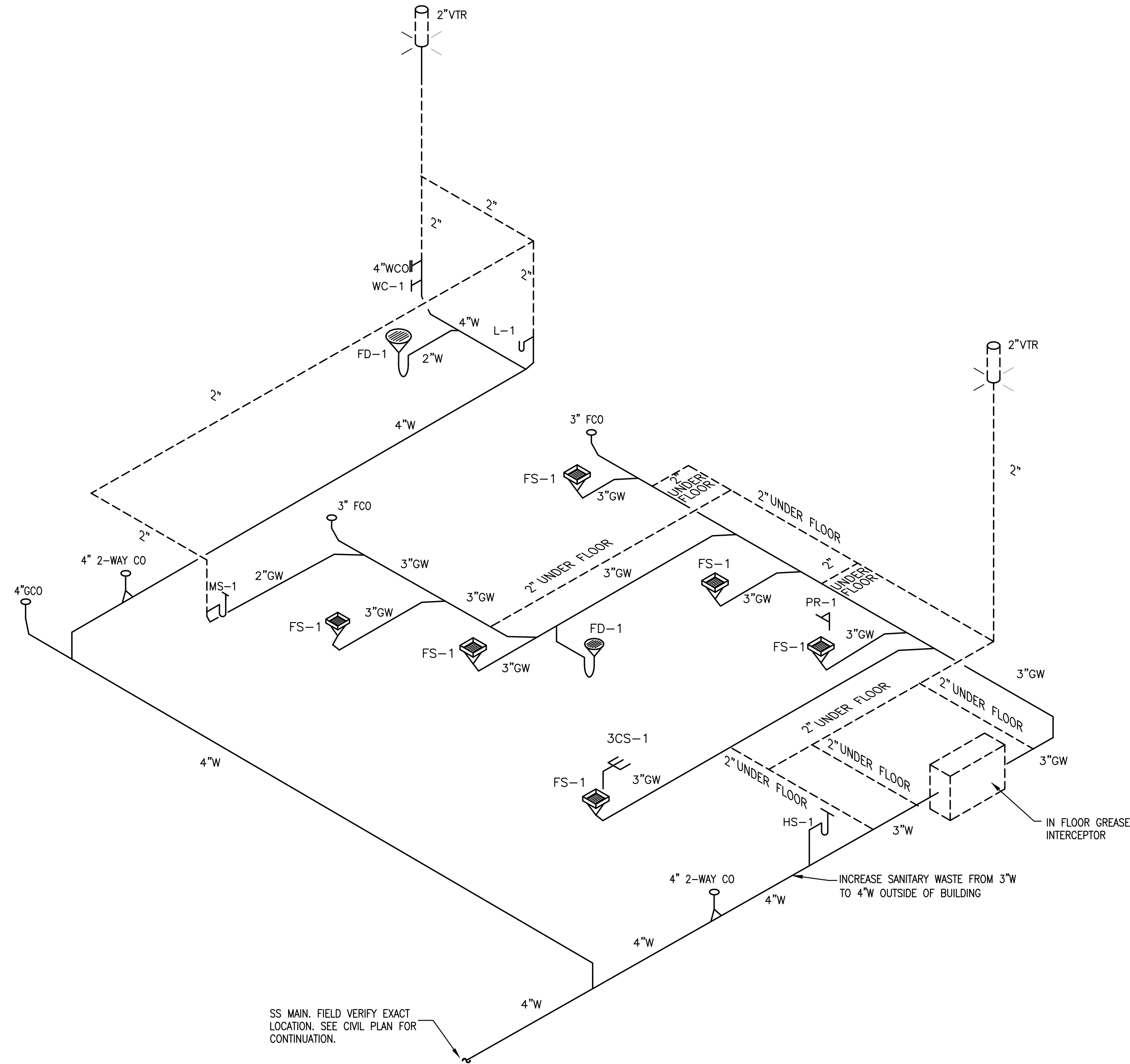
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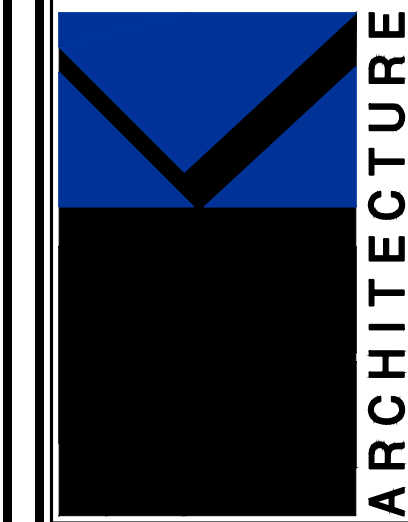


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MK Architecture LLC
8200 College Parkway, Suite 101
Fort Myers, Florida 33919
239.482.2121
AR10564 ID6790
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ZURN INTERCEPTOR SIZING CALCULATOR PER THE PDI
(PLUMBING AND DRAINAGE INSTITUTE) METHOD
USING SINK DIMENSIONS



INDICATES SPREADSHEET
INPUT VALUE CELL



INDICATES SPREADSHEET
OUTPUT VALUE CELL

PROCEDURE:
1. THIS SPREADSHEET CALCULATES USING THE PDI METHOD, WHICH CONSIDERS 75% OF THE TOTAL ACTUAL SINK VOLUMES AS THE DRAINAGE LOAD. ACTUAL GPM IS USED FOR ALL OTHER FLOWS IN SECTION "B". CUSTOMER MUST VERIFY THAT THE PDI METHOD OF SIZING IS ACCEPTABLE TO THE LOCAL CODE AUTHORITY.
2. CUSTOMER DATA IS TO BE ENTERED INTO SECTIONS "A" OR "B" AS REQUIRED. FOR ACCURATE SIZING, INCLUDE ALL SOURCES THAT FEED TO INTERCEPTOR. LEAVE ANY NON-APPLICABLE SECTIONS BLANK (ZERO).
3. USE SECTION "B" FOR ADDITIONAL FLOWS INTO INTERCEPTOR (IF ANY) FROM ALL OTHER SOURCES, SUCH AS FLOOR DRAINS, ETC. ENTER MAXIMUM FLOW EXPECTED.
4. OUTPUTS OF THIS SPREADSHEET SHOULD BE CONSIDERED AS AN ESTIMATE. CONSULT WITH A ZURN REPRESENTATIVE TO CONFIRM SIZING.

A ENTER TOTAL VOLUME OF ALL SINKS (GALLONS) 9

B ENTER TOTAL GPM FLOW OF ALL OTHER SOURCES FEEDING 25

ZURN GREASE INTERCEPTOR SIZE PER PDI METHOD (ONE-MIN. SINK DRAIN
SIZE 35 GALLON RETROCEPTOR RC35

ZURN GREASE INTERCEPTOR SIZE PER PDI METHOD (TWO-MIN. SINK DRAIN
NOT SELECTED

FINAL SELECTION IS BASED ON ONE-MINUTE SINK DRAIN TIME PER PDI METHOD

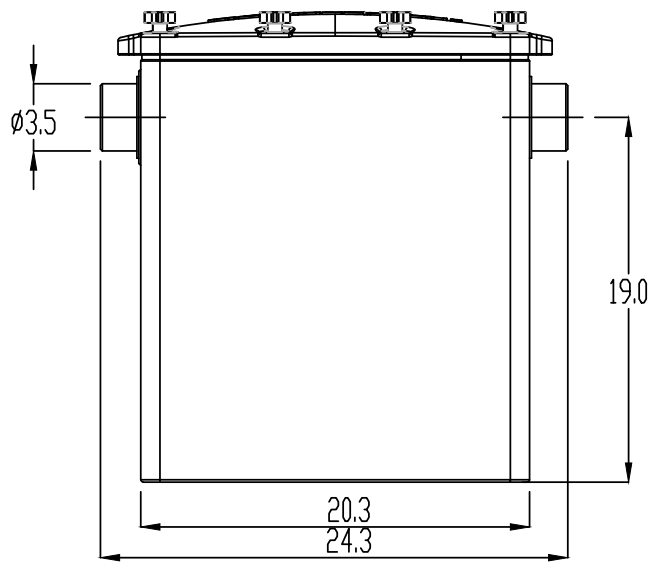
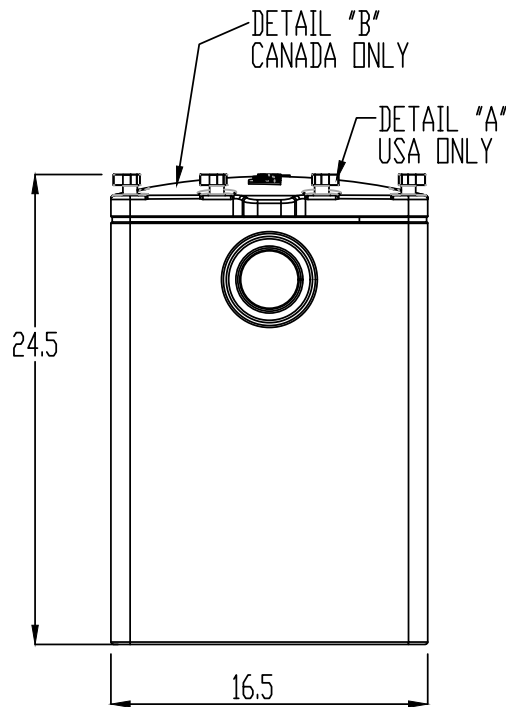
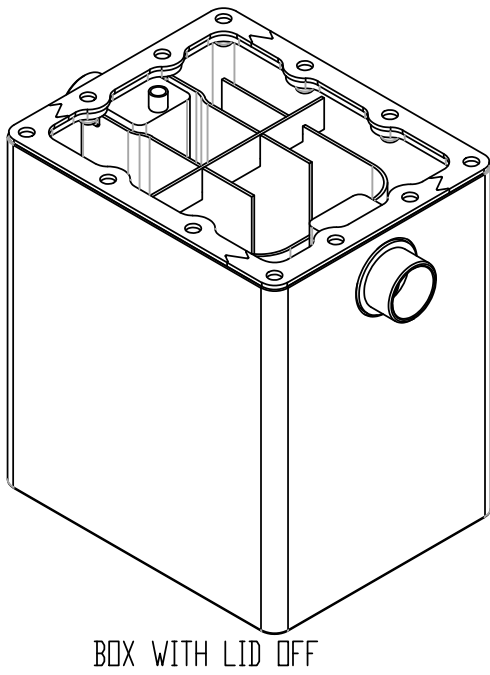
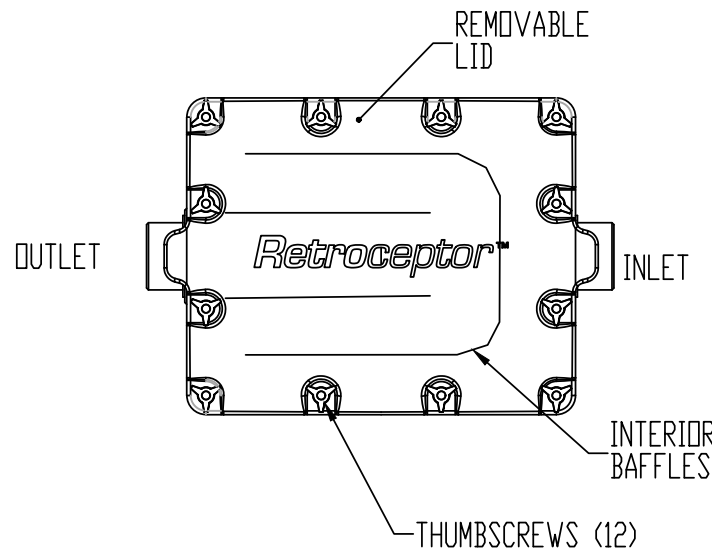
NOTES:
1. PREFERRED GREASE INTERCEPTOR SIZE IS BASED ON ONE MINUTE SINK DRAIN TIME.
2. ALTERNATIVELY, A SLOWER TWO-MINUTE SINK DRAIN TIME MAY BE USED IF ACCEPTABLE TO LOCAL CODES. THIS WOULD RESULT IN A PHYSICALLY SMALLER, LOWER GPM UNIT.

GREASE INTERCEPTOR

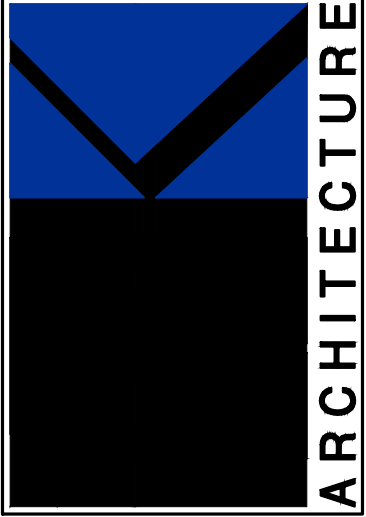
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GREASE INTERCEPTOR INSTALLATION AND VENTING NOTES

- VENTED FLOW CONTROL FOR PDI CERTIFIED INTERCEPTOR SHALL BE INSTALLED PRIOR TO THE GREASE INTERCEPTOR IN THE WASTE LINE, BEYOND THE LAST CONNECTION FROM THE FIXTURE, AND AS CLOSE AS POSSIBLE TO THE UNDERSIDE OF THE LOWEST FIXTURE
- PROVIDE VENTS UPSTREAM AND DOWNSTREAM OF THE GREASE INTERCEPTOR PER MANUFACTURER'S REQUIREMENTS AND LOCAL PLUMBING CODE. ZURN GREEN TURTLE RECOMMENDS THIS VENTING ARRANGEMENT TO PROMOTE PROPER FLOW, PREVENT SIPHONING, AND REDUCE ODORS



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