

PLUMBING FIXTURE SCHEDULE / ALL FIXTURES & FITTINGS MUST BE "LEAD FREE"

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	ACCESSORIES	PIPING REQUIREMENTS			REMARKS	APPROVED MANUFACTURERS	CODE APPROVALS
					WASTE	VENT	SUPPLY			
F.D.	FLOOR DRAIN	ZURN	ZN415-B-P	1/2" TRAP PRIMER CONNECTION	2"	2"	-	COMBINATION WASTE VENT	MADE & JAY R. SMITH	ASSE 1019-B
C.O.	CLEANOUT (INTERIOR)	JAY R. SMITH	4100	W/CARPET CLAMPING RING WHERE REQUIRED	SEE PLAN	-	-	SAME SIZE AS LINE	MADE & ZURN	-
C.O.I	CLEANOUT (EXTERIOR)	JAY R. SMITH	4250	-	SEE PLAN	-	-	SAME SIZE AS LINE SEE DETAILS 2/P2 & 8/P2	MADE & ZURN	-

PLUMBING NOTES

- DRAWING IS DIAGRAMMATIC & IS NOT TO BE SCALED. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
- ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE APPLICABLE CODE(S) NOTED ON THE CODE SUMMARY SHEET.
- VALVES ON WATER LINES SHALL BE BRONZE BALL VALVES. DO NOT SUBSTITUTE GATE OR GLOBE VALVES. VALVES SHALL BE THE SAME SIZE AS THEIR INLET PIPING. (SPEC 20 05 00)
- ALL PLUMBING FIXTURES ARE TO BE FURNISHED COMPLETE WITH NECESSARY STOPS, TRAPS, TAILPIECES, TRIM, ETC. (SPEC 22 40 00)
- THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS & SUBCONTRACTORS IN LAYING HIS OUT & INSTALLING HIS WORK. COOPERATION DOES NOT MEAN "I WAS HERE FIRST".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A COMPLETE & FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
- N/A
- CONTRACTOR SHALL COORDINATE WITH ALL STATE & LOCAL BUILDING REGULATION AGENCIES & UTILITY COMPANY(S) IN THE PROCUREMENT OF & PAYMENT OF ALL PERMITS, LICENSES, FEES & CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
- N/A
- ALL CAULKING ON BUILDING PENETRATIONS SHALL BE A 1-COMPONENT NON-SAG URETHANE SEALANT. ANY CONTRACTOR WHO USED SILICONE OR ANY OTHER CAULKING WILL BE REQUIRED TO REMOVE & REPLACE WITH A SPECIFIED SEALANT. (SPEC 01 42 00)
- N/A
- ALL GAS PIPING INSTALLATIONS SHALL COMPLY WITH "NFPA-54" NATURAL GAS OR "NFPA-58" LP GAS (latest edition).
- N/A

PLUMBING PIPE MATERIALS

- A. THE FOLLOWING APPLICATIONS ARE FOR INSIDE, BELOW & ABOVE THE BUILDING SLAB AND ENDING AT A POINT 5'-0" OUTSIDE THE PERIMETER BUILDING WALLS.
- DOMESTIC WATER DISTRIBUTION PIPING BELOW GROUND: ALL INTERIOR DOMESTIC WATER PIPING SHALL BE TYPE "K" HARD DRAWN COPPER TUBING (SIL-FOS 2, FOS-FLO T OR OTHER SILVER BRAZING MATERIAL). THIS IS REQUIRED FOR THE WATER SERVICE LINE COPPER TUBING (SIL-FOS 2, FOS-FLO T OR OTHER SILVER BRAZING MATERIAL). THIS IS REQUIRED FOR THE WATER SERVICE LINE FROM THE SHUT-OFF VALVE IN THE BUILDING TO A POINT 5 FEET OUTSIDE THE BUILDING.
 - DOMESTIC WATER DISTRIBUTION PIPING ABOVE GROUND: HARD COPPER TUBE, TYPE L.
 - SOIL, WASTE, AND VENT PIPING BELOW GROUND: SCHEDULE 40 POLY VINYL CHLORIDE (PVC) PLASTIC DWV PIPE.
 - SOIL, WASTE, AND VENT PIPING ABOVE GROUND: HUBLESS CAST-IRON SOIL PIPE OR POLY VINYL CHLORIDE (PVC) PLASTIC DWV PIPE.
 - NOTE: PVC PIPING IS NOT PERMITTED IN AIR-HANDLING CEILING SPACES, USE ONLY CAST-IRON OR DUCTILE IRON PIPE IN THESE LOCATIONS.
- B. THE FOLLOWING APPLICATIONS ARE FOR ONLY FROM 5'-0" OUTSIDE THE BUILDING TO THE UTILITY POINT OF CONNECTION (POC).
- UNDERGROUND DOMESTIC WATER SERVICE PIPING FROM A POINT 5 FEET OUTSIDE THE BUILDING TO THE POC. (SEE SITE UTILITIES PLAN FOR WHICH PIPING MATERIAL (COPPER OR PVC) IS REQUIRED).
- 3/4" - 1-1/4", SCHEDULE 40 PVC PIPE WITH SOLVENT-WELDED JOINTS.
 - 1-1/2" - 3", SDR-21, PVC PIPE (ASTM D2241) CLASS 200, BELL AND SPIGOT WITH RUBBER GASKETED JOINTS.
 - 3/4" - 3", TYPE "K" HARD DRAWN COPPER TUBING (SIL-FOS 2, FOS-FLO T OR OTHER SILVER BRAZING MATERIAL).
 - 4" AND LARGER, SDR-10 PVC PIPE (ANVNA C-400) CLASS 150 BELL AND SPIGOT WITH RUBBER GASKETED JOINTS.
- UNDERGROUND SANITARY SEWER SERVICE PIPING FROM A POINT 5 FEET OUTSIDE THE BUILDING TO THE POC.
- POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL CONFORM TO ASTM D3034 (SDR-35).
 - CAST IRON OR DUCTILE IRON PIPE SHALL CONFORM TO USASI #A-21 CLASS 50.
- C. GAS PIPE MATERIAL:
- LOW-PRESSURE GAS SYSTEMS, ABOVE GROUND WITHIN OR OUTSIDE BUILDING:
- USE THE FOLLOWING:
- 2" AND SMALLER: STEEL PIPE, MALLEABLE-IRON, THREADED FITTINGS, AND THREADED JOINTS.
 - 2-1/2" AND LARGER: STEEL PIPE, BUTT-WELDING FITTINGS, AND WELDED JOINTS.

PIPING INSULATION NOTES

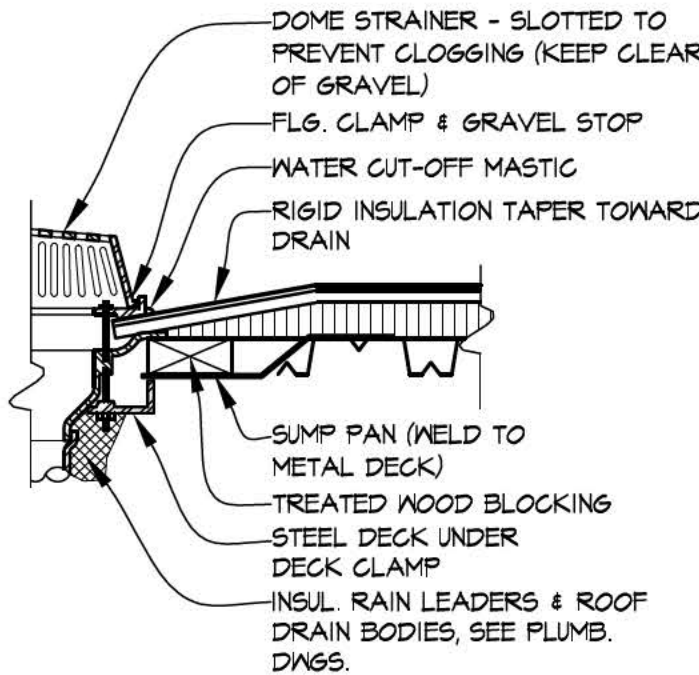
SCOPE:

FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. PROVIDE PIPING INSULATION ON NEW AND EXISTING PIPING AS REQUIRED BY CONSTRUCTION DOCUMENTS. REPAIR OR REPLACE EXISTING PIPING INSULATION WITHIN PROJECT AREA AS REQUIRED.

PIPING INSULATION IS REQUIRED AT NEW AND EXISTING PLUMBING PIPING INCLUDING: ALL DOMESTIC HOT WATER, EXPOSED DOMESTIC COLD WATER, DOMESTIC COLD WATER AGAINST AN EXTERIOR WALL, HVAC PIPING & CONDENSATE LINES/DRAINS, INTERIOR HORIZONTAL AND VERTICAL ROOF DRAIN PIPING AND INTERIOR ROOF DRAIN BODY.

SPECIFICATIONS:

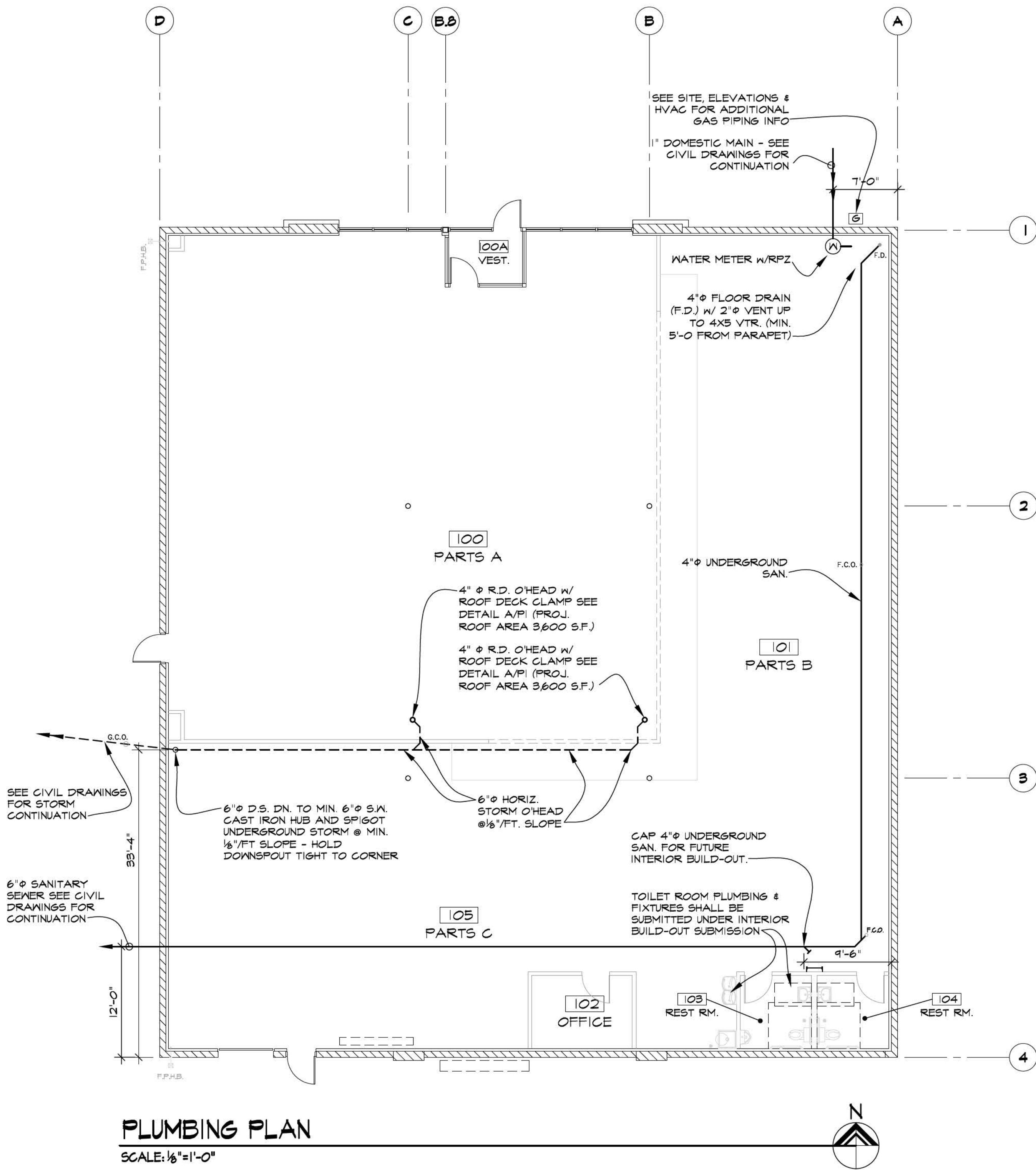
- ALL PIPING (ABOVE FINISHED FLOOR) SHALL BE COVERED WITH ARMACELL AP/ARMAFLEX PIPE INSULATION IN ACCORDANCE WITH ASTM C-534, GRADE I, TYPE I FOR TUBULAR MATERIALS AND GRADE I, TYPE II FOR SHEET MATERIAL. MINIMUM PIPE INSULATION THICKNESS (PER IECC TABLE C403.11.3) AS FOLLOWS:
- ALL JOINTS SHALL BE SEALED WITH APPROVED MANUFACTURER'S ADHESIVE.
- ACCEPTABLE ALTERNATE MANUFACTURER: AEROGEL (BY AEROFLEX INTERNATIONAL CO.) CLOSED CELL ELASTOMERIC THERMAL INSULATION.
- FIBERGLASS PIPE INSULATION, RIGID (NOT WRAP TYPE), ONE INCH THICK WITH BUILT-IN VAPOR BARRIER MAY BE USED IN LIEU OF ARMACELL PRODUCT SPECIFIED ON ALL PIPING EXCEPT HOT WATER 1 1/2" PIPE OR LARGER. ACCEPTABLE MANUFACTURERS ARE ARMSTRONGS, CERTAINTEED, JOHNS-MANSVILLE, KNAUF, AND OWENS-CORNING.
- FLAME SPREAD SHALL BE 25 OR LESS. SMOKE DEVELOPED SHALL BE 50 OR LESS.
- INSTALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.



ROOF DRAIN

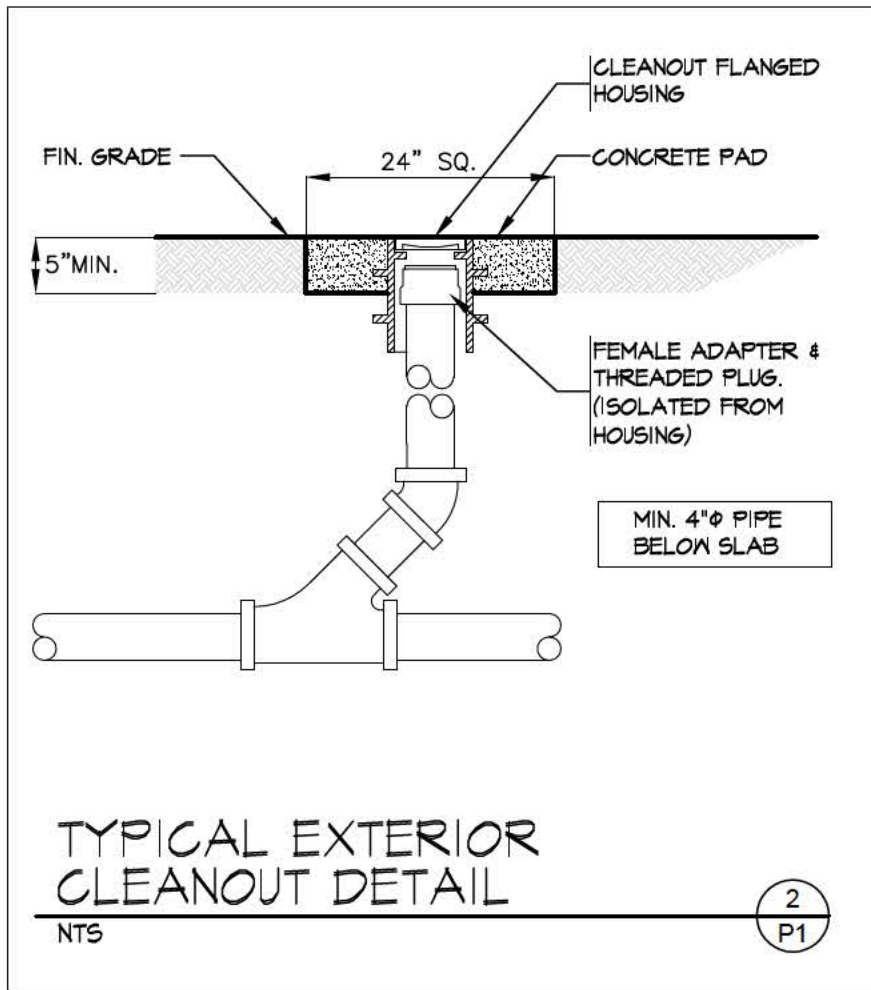
SCALE: 1/2"=1'-0"

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PLUMBING PLAN

SCALE: 1/8"=1'-0"

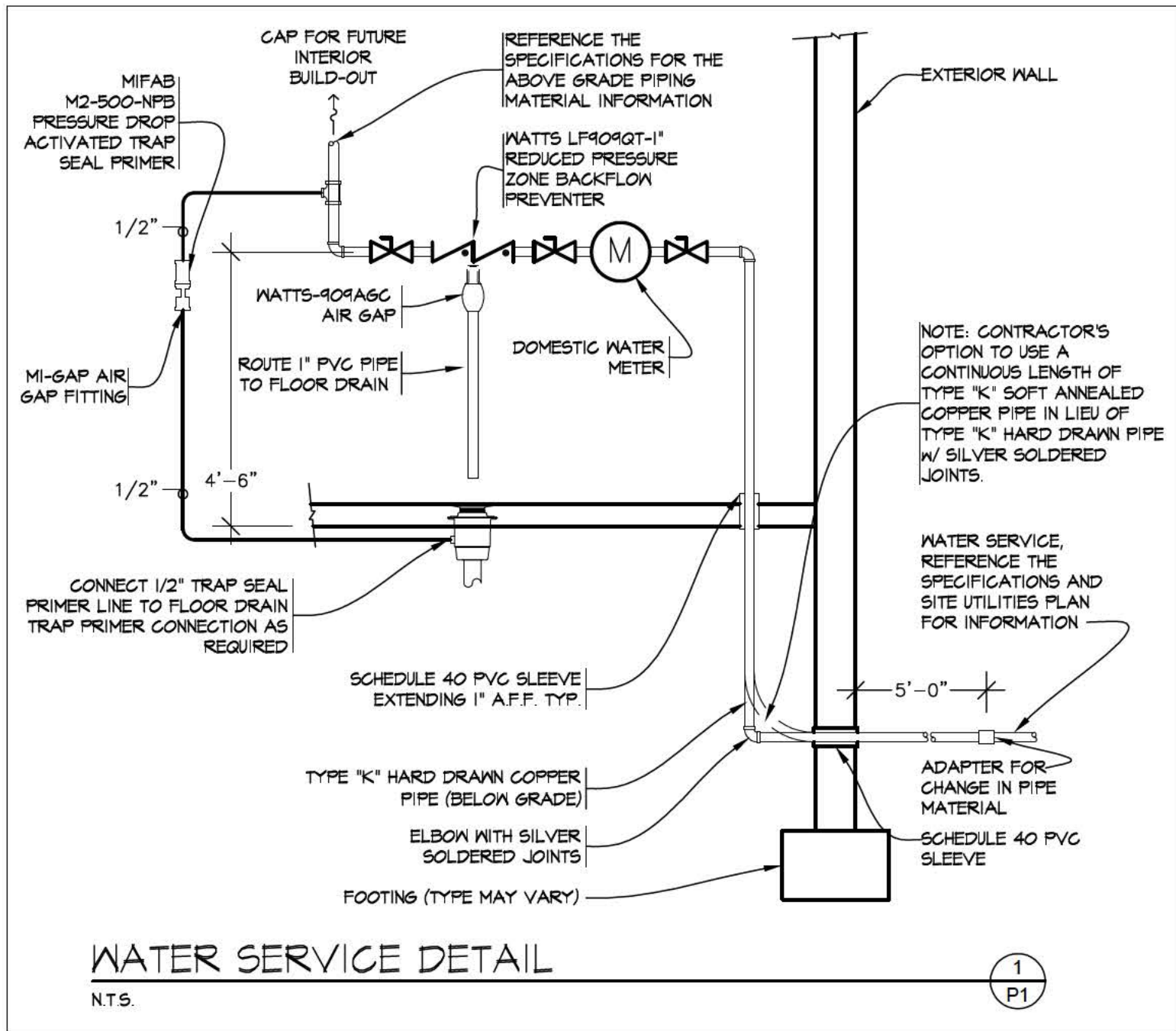


TYPICAL EXTERIOR CLEANOUT DETAIL

NTS

2

P1



WATER SERVICE DETAIL

NTS

1

P1

REVISIONS

THIS DRAWING	DATE	BY	REVISION
NOT FOR CONSTRUCTION	1/12/19		
FOR BIDDING	1/12/19		
FOR PERMIT	1/12/19		
NOT FOR CONSTRUCTION			

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(847)945-6869 FAX (847)945-0284

O'REILLY AUTO PARTS
DOLTON PLAZA
1317 E. SIBLEY BLVD. DOLTON, IL 60419
FOR: DEPARTMENT PROPERTY GROUP, LLC

SHEET TITLE
PLUMBING PLAN
NOTES
DETAILS

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