



**O'Reilly AUTO PARTS**  
CORPORATE OFFICES  
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PROJECT:  
**NEW O'REILLY AUTO PARTS STORE**  
915 AZALEA DRIVE  
WAYNESBORO, MISSISSIPPI  
**PLUMBING PLAN**

**mtec**  
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DRAWN BY: **MVS** CHECKED BY: **JEE**  
DATE: **01/12/18**  
REVISION:  
PROJECT NUMBER:  
**WSB**  
SHEET NUMBER:  
**P1**

**PLUMBING FIXTURE SCHEDULE / SPEC. 22 00 00 & 22 40 00 / ALL FIXTURES & FITTINGS MUST BE "LEAD FREE"**

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	ACCESSORIES	PIPING REQUIREMENTS			REMARKS	APPROVED MANUFACTURER'S	CODE APPROVALS
					WASTE	VENT	SUPPLY			
H.W.C.	HANDICAP ACCESSIBLE WATER CLOSET (TANK TYPE)	AMERICAN STANDARD	CADET RIGHT HEIGHT BOWL RIM @ 15-1/2" H. PRESSURE-ASSISTED TOILET 2467.016	CHURCH 9500CT WHITE OPEN FRONT SEAT COMPLETE W/BOLT CAPS	4"	2"	1/2"	LOW-CONSUMPTION 1.6 GPF MAX. MEETS ADA GUIDELINES	ZURN	ANSI A117.1, ADA COMPLIANT
LAV.	HANDICAP ACCESSIBLE LAVATORY (WALL MOUNTED)	AMERICAN STANDARD	LUCERNE 0355.012 4" CENTERS	ZURN #28737 FLAT GRID SINKSTRAINER, DELTA #501-DST CLASSIC CENTERSET FAUCET, JAY R. SMITH #0700-M31 FLOOR MOUNTED LAVATORY SUPPORTS IN WALL.	2"	1-1/2"	3/4"	SEE NOTE 2. 1.5 GPM MAX.	ZURN	ANS A117.1, ASME A112.18.1, ASME A112.18.2, ADA COMPLIANT
M.V.	THERMOSTATIC MIXING VALVE	WATTS	#LFMMV-M1-US-1/2"	THERMOSTATIC MIXING VALVE	-	-	1/2"	SEE DETAIL 3/P2 & NOTE #4. 110°F MAX. WATER TEMP.	WILKINS, POWERS	ASSE 1070, IAPMO, ADA COMPLIANT, CUPC, NSF/ANSI 61
H.D.F.	BARRIER-FREE TWO STATION HB-LO DRINKING FOUNTAIN	ELKAY	EZSTL8LC	ACCESSORY APRON #LKAPREZL	2"	1-1/2"	1/2"	UPPER HEIGHT 40" A.F.F. LOWER HEIGHT 33" A.F.F.	HALSEY TAYLOR	ADA COMPLIANT
F.D.	FLOOR DRAIN	ZURN	ZN415-B-P	1/2" TRAP PRIMER CONNECTION	2"	1-1/2"	-	COMBINATION WASTE VENT	WADE & 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	WADE & ZURN	-
C.O.1	CLEANOUT (EXTERIOR)	JAY R. SMITH	4250	-	SEE PLAN	-	-	SAME SIZE AS LINE. SEE DETAILS 2/P2 & 8/P2.	WADE & ZURN	-
W.H.A.	WATER HAMMER ARRESTER	SIoux CHIEF	652-A	-	-	-	-	-	WILLIAMS	-
H.B.	HOSE BIB	WOODFORD	MODEL 65	W/WALL CLAMP	-	-	3/4"	W/VACUUM BREAKER. OPERATING ROD ASSEMBLY MUST BE ORDERED PER WALL WIDTH.	-	-
M.B.	MOP BASIN	FIAT	FIAT MSB-2424	FIAT #832-AA HOSE & BRACKET, FIAT #889-CC-24" MOP HANGER, ZURN #2842M4-WHK-SH SERVICE FAUCET	3"	1-1/2"	3/4"	W/VACUUM BREAKER ON FAUCET. ALSO ADD HOSE CONNECTION VACUUM BREAKER (WATTS #6) ON FAUCET'S SPOUT	STERN-WILLIAMS	-
E.W.	EYE WASH	SPEAKMAN	SEF-9200	SPEAKMAN THERMOSTATIC MIXING VALVE (SEF-TM), SEF-9200-LR	-	-	3/4"	SET MIXING VALVE TO DELIVER 80gF. NOTE: TEPIID WATER RANGE IS 60-100gF.	BRADLEY, HAWS	ASME A112.18.1-2000, CSA B125-88, ANSI Z358-1, ASSE 1011
SRBP	SPILL-RESISTANT BACKFLOW PREVENTER	WATTS	LF08PCQT-1/2"	HEALTH HAZARD, ANTI-SIPHON, SPILL-RESISTANT BACKFLOW PREVENTER	-	-	1/2"	MAY BE INSTALLED VERTICALLY.	-	ASSE 1056
URN.	URINAL (WALL MOUNTED)	ZURN	Z5755-U OMNI-FLO	SLOAN ROYAL #186-1 FLUSH VALVE, JAY R. SMITH SERIES #600 FLOOR MOUNTED URINAL SUPPORT	2"	1-1/2"	3/4"	1.0 GPF	AMERICAN STANDARD	ASME A1212.19.2, ANSI A117.1, ADA COMPLIANT

NOTES:  
1. COORDINATE ROUGH-IN OF ALL PLUMBING FIXTURES W/ARCHITECTURAL DRAWINGS.  
2. SINKS & LAVATORIES FOR HANDICAPPED ACCESS SHALL BE INSTALLED W/OFFSET TAILPIECES. ALL SINK & LAVATORY DRAIN & WATER LINES SHALL BE INSULATED W/PROTECTIVE DEVICES EQUAL TO "McGUIRE" #PW 2150 WC, WHITE MOLDED CLOSED CELL VINYL, OR "TRUEBRO" #103W, WHITE MOLDED VINYL.  
3. FOR HANDICAPPED-ACCESSIBLE WATER CLOSET, FURNISH & INSTALL W/THE FLUSH HANDLE ON THE WIDE SIDE OF THE RESTROOM.  
4. ALL LAVATORIES SHALL BE INSTALLED WITH A THERMOSTATIC MIXING VALVE.

OWNER SUPPLIED, CONTRACTOR INSTALLED

MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	REMARKS	PIPING REQUIREMENTS	REMARKS	APPROVED MANUFACTURER'S	CODE APPROVALS
W.H.	WATER HEATER (ELECTRIC)	A.O. SMITH	EJCS-20	(19 GALLONS) 120V 19, 1.65 KW ELEMENT WITH T & P RELIEF VALVE	-	3/4"	PIPE DRAIN LINE FROM P & T RELIEF VALVE DOWN IN SHELF PAN. SEE DETAIL 5/P2 & 6/P2	NO SUBSTITUTIONS CSA, ASME, RATEE, NAECA
SHELF	WATER HEATER SHELF	HOLDRITE	#40-SWHP-WM	SUPPORTS WATER HEATERS UP TO 20 GALLON OR 300 LBS	-	-	PIPE DRAIN LINE FROM SHELF PAN. SEE DETAIL 5/P2 & 6/P2	NO SUBSTITUTIONS
T.E.A.	THERMAL EXPANSION ABSORBER	AMTROL	ST-12	-	-	-	-	NO SUBSTITUTIONS

NOTE: WATER HEATER, SHELF AND T.E.A. SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR:  
GRAYBAR ELECTRIC CO. INC.  
11885 LACKLAND ROAD  
ST. LOUIS, MO 63146  
GRAYBAR TEAM  
EMAIL: orillya@graybar.com  
TOLL FREE: (314) 592-0800

**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 22 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 W/ THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
- DO NOT INSTALL CAPPED AIR CHAMBERS AT FIXTURES. INSTALL WATER HAMMER ARRESTERS AS CALLED FOR ON PLAN. ARRESTERS ARE TO BE RATED FOR INSTALLATION IN CONCEALED LOCATIONS. (SPEC 22 00 00)
- ALL HOT & COLD WATER SUPPLY PIPING CONNECTION TO FIXTURES ARE TO BE 1/2" UNLESS NOTED OTHERWISE.
- PLUMBING PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. PROVIDE REQUIRED CLEARANCES PER "N.E.C." COORDINATE ELECTRICAL PANEL LOCATIONS W/ THE ELECTRICAL CONTRACTOR.
- INSTALL PIPE INSULATION ON ALL DOMESTIC WATER LINES ABOVE FINISH FLOOR (SPEC 22 07 19).
- 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.
- PROVIDE CHROME ESCUTCHEONS AT ALL PIPE PENETRATIONS OF FINISHED WALL SURFACES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ROUTE ALL WATER PIPING AROUND SPACES W/ TEMPERATURES BELOW FREEZING (i.e. ATTICS, CHASES, EXTERIOR WALLS, ETC.). IF FREEZING OF ANY WATER PIPING OCCURS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE DAMAGE TO A NON-FREEZING SPACE TO THE FIXTURE/APPLIANCE ORIGINALLY SERVED BY THE FROZEN PIPING.
- 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 07 92 00).
- PLUMBING SUB-CONTRACTOR SHALL INFORM THE ELECTRICAL SUB-CONTRACTOR OF THE VOLTAGE & WATER REQUIREMENTS. ALL PLUMBING EQUIPMENT TO BE INSTALLED.
- ALL GAS PIPING INSTALLATIONS SHALL COMPLY WITH "NFPA-54" NATURAL GAS OR "NFPA-58" LIQUEFIED GAS (LPG) (LATEST EDITION).
- ALL WATER HEATERS & HOT WATER STORAGE TANKS SHALL HAVE A DRAIN VALVE INSTALLED AT THE BOTTOM OF THE TANK AS REQUIRED BY CODE.

**PLUMBING PIPE MATERIALS**  
(SEE SPEC SECTION 22 00 00 FOR ADDITIONAL INFORMATION.)

A. The following applications are for inside, above the building finish 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-27 or other silver solderable 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).

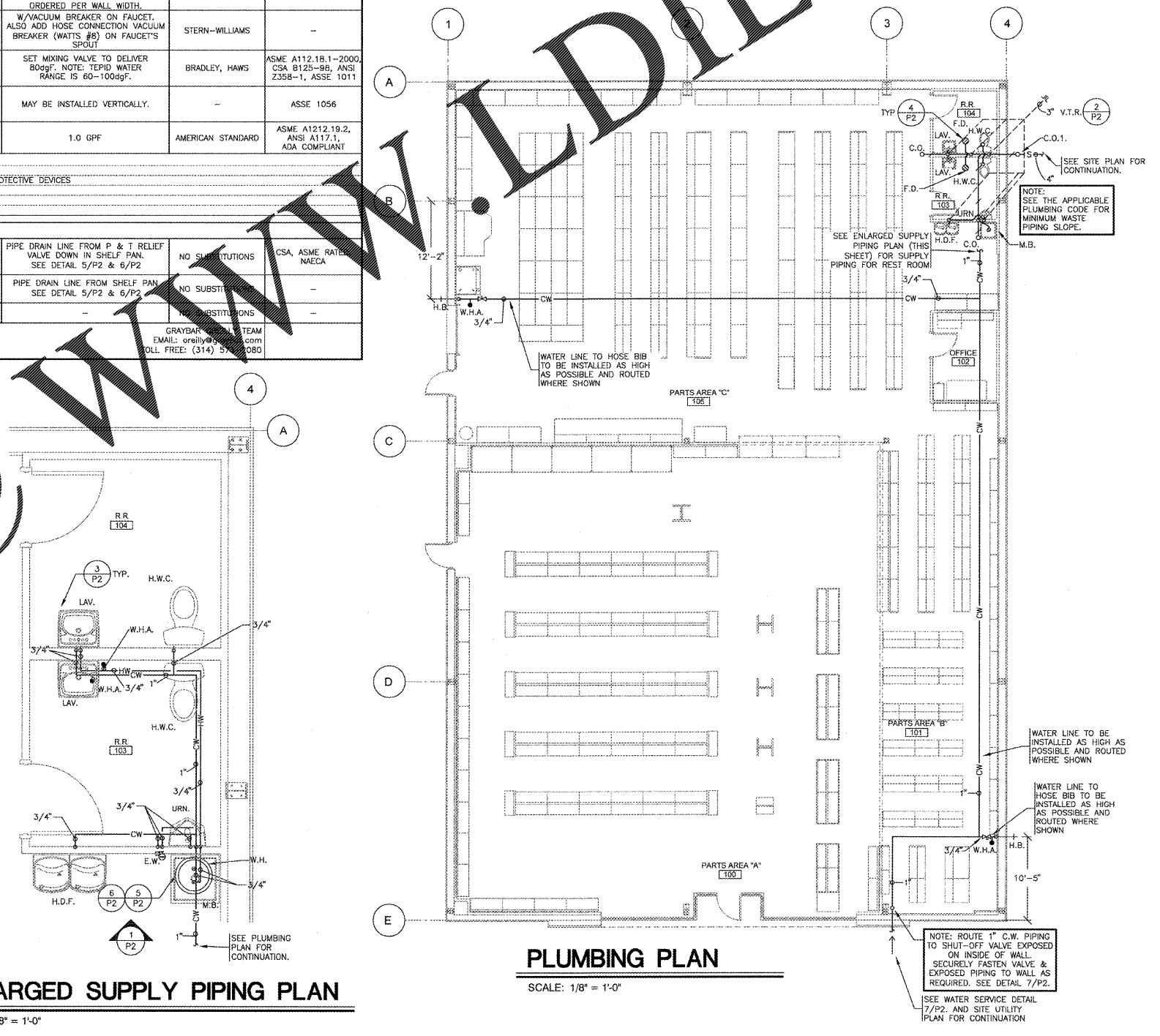
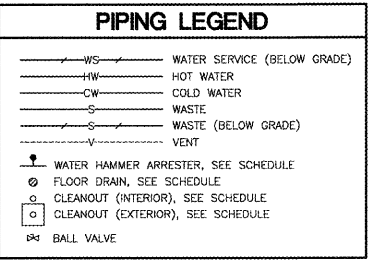
Underground water service piping from a point 5 feet outside the building to the POC.  
(See Note 1 for which piping material (Copper or PVC) is required):

- 1 1/2", Schedule 40 PVC pipe with solvent-welded joints.
- 1 1/2", SDR-21, PVC pipe (ASTM D2241) Class 200, Bell and Spigot with rubber gasketed joints.
- 3", Type "K" hard drawn copper tubing (SIL-FOS 2, FOS-FLO 7 or other silver brazing material), and larger, SDR-18 PVC pipe (AWWA C-900) 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:  
1. 2 inches and Smaller: Steel pipe, malleable iron, threaded fittings, and threaded joints.  
2. 2-1/2 inches and Larger: Steel pipe, butt-welding fittings, and welded joints.



01/12/18 9:36 am

**Order**