

PLUMBING GENERAL NOTES

CONTRACTOR TO PROVIDE A COMPLETE AND WORKABLE PLUMBING SYSTEM IN ACCORDANCE WITH BUT NOT LIMITED TO THE PLANS AND SPECIFICATIONS. COMPLY WITH LATEST EDITIONS OF ALL APPLICABLE CODES. OBTAIN ALL PERMITS AND PAY ALL REQUIRED FEES.

CONTRACTOR SHALL COORDINATE LOCATION OF UTILITY MAINS WITH CIVIL SITE PLAN FOR EXACT ROUTING OF BUILDING SERVICE LINES PRIOR TO BIDDING. UTILITY SERVICE REVISIONS REQUIRED DURING CONSTRUCTION SHALL BE COMPLETED AT NO EXTRA COST TO OWNER.

V.T.R.'S SHALL BE MIN 10'-0" FROM O/A INTAKES. OFFSET VENT AS REQUIRED. COMBINE VENTS WHERE POSSIBLE TO MINIMIZE ROOF PENETRATIONS. VERIFY LOCATIONS OF ROOF PENETRATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

PROVIDE CHROME PLATED ESCUTCHEONS AT PIPE SLEEVES FOR EXPOSED BARE PIPE.

PROVIDE ACCESS OPENINGS IN GYPSUM BOARD CEILINGS AND INACCESSIBLE WALLS FOR VALVES AND DAMPERS. PROVIDE HINGED, LOCKABLE ACCESS PANEL COVER IN MILL FINISH; COORDINATE EXACT LOCATION AND FINAL PAINT FIELD-APPLIED PAINT FINISH PRIOR TO ROUGH-IN AND INSTALLATION.

ANY PIPE THAT PASSES THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE PIPE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.

INSULATE TAILPIECE, TRAP AND WATER SUPPLIES AT HANDICAPPED FIXTURES. WHERE NOT COVERED BY FIXTURE SHROUD OR OTHER SPECIFIC ARCHITECTURAL PROVISIONS, USE TRUEBRO LAV-GUARD FACTORY FABRICATED INSULATING BOOTS OR APPROVED EQUAL.

PLUMBING FIXTURES SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CONSERVATION STANDARDS.

EQUIPMENT START-UP SHALL BE BY MANUFACTURER'S AUTHORIZED REPRESENTATIVES.

PLUMBING RISER ISOLATION & DRAIN VALVES SHALL BE LOCATED WITHIN EASY REACH OF CEILING, WHERE CEILINGS OCCUR BELOW OR DROPPED TO WITHIN A MAXIMUM 10'-0" OF FINISHED FLOOR WHERE NO CEILING OCCURS.

INSULATED PIPING AND FITTINGS EXPOSED TO VIEW THROUGHOUT THE FACILITY SHALL BE COVERED AND FINISHED WITH PVC JACKET EQUAL TO MANVILLE CEEL-CO 550 PIPE JACKETING SYSTEM USING 30 MIL THICK JACKET AND FITTING COVERS. INSTALL PER MANUFACTURER'S INSTRUCTIONS WITH SEAM ON TOP OF PIPE SO AS TO BE NOT VISIBLE FROM OCCUPIED SPACE.

PROVIDE WALL CLEANOUTS AT FIXTURES IN ACCORDANCE WITH APPLICABLE SECTIONS OF INTERNATIONAL PLUMBING CODE WITH LOUISIANA AMENDMENTS.

PROVIDE 1/2" SHUTOFF VALVE AHEAD OF EACH TRAP PRIMER. PROVIDE ACCESS OPENING & DISTRIBUTION DEVICE WHERE NEEDED.

PROVIDE 3/4" SHUTOFF VALVE AHEAD OF EACH WALL FAUCET AND HOSE BIB INSTALLATION. PROVIDE ACCESS OPENINGS WHERE NEEDED.

COORDINATE EXACT PLUMBING FIXTURE TYPE AND MOUNTING HEIGHT WITH OWNER & ARCHITECT PRIOR TO ORDER, ROUGH-IN AND INSTALLATION.

COORDINATE EXACT PIPE AND RISER ROUTING WITH STRUCTURAL AND ELECTRICAL TRADES. NOTIFY ENGINEER OF ANY DISCREPANCIES.

WATER, GAS, AND VENT PIPING SHALL BE RUN AS HIGH AS POSSIBLE (THROUGH JOISTS AS NECESSARY) TO PROVIDE CLEARANCE FOR OTHER EQUIPMENT AND TRADES. ALL PIPING TO BE CONCEALED ABOVE CEILING UNLESS OTHERWISE NOTED.

PROVIDE BLOCKING IN WALLS TO SECURE ALL WATER SUPPLY PIPING.

PIPING SHALL NOT BE INSTALLED ABOVE OR WITHIN 3'-0" IN FRONT OF ELECTRICAL SERVICE PANELS. COORDINATE ROUTING WITH ELECTRICAL CONTRACTOR.

INSTALL WATER CLOSET FLUSH VALVES WITH OPERATING HANDLE ON THE WIDE SIDE OF THE TOILET STALL, PER ADA REQUIREMENTS.

PROVIDE CONCEALED FIXTURE CARRIERS FOR ALL WALL MOUNTED PLUMBING FIXTURES.

SLOPE FLOORS TO FLOOR DRAINS WHERE INDICATED. REFER TO ARCHITECTURAL AND FOUNDATION PLANS.

PIPE PENETRATIONS THROUGH FIRE/SMOKE WALLS AND PARTITIONS SHALL BE FIRE-CAULKED.

TEST ENTIRE SYSTEM FOR LEAKS AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

STERILIZE WATER SYSTEM WITH CHLORINE SOLUTION AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

PROVIDE DOMESTIC WATER SERVICE BACKFLOW PREVENTER AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION. COORDINATE WITH SITE UTILITIES CONTRACTOR AND CIVIL SITE UTILITY PLANS.

WHERE VISIBLE TO PUBLIC VIEW, PRIME/PAINT ALL ASSOCIATED EXPOSED PLUMBING SYSTEM COMPONENTS TO MATCH ADJACENT FINISHES. UNLESS DIRECTED OTHERWISE BY ARCHITECT. ALL ASSOCIATED FIELD PAINTING UNLESS DIRECTED OTHERWISE SHALL BE BY A PAINTING CONTRACTOR; COORDINATE IN ADVANCE AS REQUIRED.

FOR INTERIOR, PROVIDE INSULATED FULL SIZE (OR SIZE AS NOTED) COPPER CONDENSATE DRAIN FROM ALL COOLING COILS TO TERMINATION AS NOTED. TERMINATE OPEN SITE. FOR EXTERIOR (ROOF), PROVIDE FULL SIZE (OR SIZE AS NOTED) "PAINTED" SCHEDULE 80 PVC CONDENSATE DRAIN FROM ALL HVAC UNIT CONDENSATE CONNECTIONS; EXTEND AND TERMINATE AT ROOF DRAIN OR AS NOTED.

FOR ANY PLUMBING FIXTURE GROUPING UTILIZING FLUSH VALVES, WITHIN WATER SUPPLY PIPING, PROVIDE WATER HAMMER ARRESTER PER ASSE 1010 OR PDI-WH 201 (PISTON TYPE WITH PRESSURIZED METAL-TUBE CUSHIONING CHAMBER); EXACT SIZE, QUANTITY AND LOCATION PER MANUFACTURER'S RECOMMENDATIONS.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT WATER (HW)
	TEPID HOT WATER
	CONDENSATE DRAIN PIPING
	SANITARY SEWER OR WASTE (SS OR W)
	SANITARY VENT (V)
	CLEANOUT (CO)
	DOUBLE CLEANOUT (DCO)
	WALL CLEANOUT (WCO)
	MEDIUM PRESSURE GAS (GREATER THAN 1 PSI)
	LOW PRESSURE GAS (LESS THAN 1 PSI)
	GAS PRESSURE REGULATOR
	HOSE BIB (HB), WALL FAUCET (WF)
	BALL VALVE
	VALVE IN BOX
	VALVE IN VERTICAL
	FLOOR DRAIN
	TRAP PRIMER
	VENT THRU ROOF
	UNDER GROUND
	UNDER SLAB
	ABOVE FINISHED FLOOR
	CONNECT TO EXISTING

GAS LOAD SCHEDULE	
EQUIPMENT	GAS LOAD (CFH)
RTU-A	200
RTU-C	150
RTU-E	100
EXTG BOILER	450
TOTAL	900

PLUMBING FIXTURE AND ROUGH-IN SCHEDULE													
MARK	MANUF	MODEL	DESCRIPTION	ACCESSORIES	TRIM OR VALVE	DRAIN	TRAP	SUPPLIES	HW	CW	WASTE	VENT	
WC	KOHLER	K-96053 WELLCOMME ULTRA	FLOOR MOUNTED WATER CLOSET, FLOOR OUTLET, SIPHON JET, ELONGATED VITREOUS CHINA BOWL AND BOLT CAPS, 1.6 GPF	CHURCH 9500CT WHITE PLASTIC OPEN FRONT SEAT	SLOAN ROYAL MODEL 111 ESS 1.6 SENSOR HARDWIRED FLUSH VALVE	-	INTEGRAL	-	-	1	4	3	
WCH	KOHLER	K-96057 HIGHCLIFF ULTRA	FLOOR MOUNTED WATER CLOSET, FLOOR OUTLET, SIPHON JET, ELONGATED VITREOUS CHINA BOWL AND BOLT CAPS, 16-7/8" BOWL HEIGHT, 1.6 GPF (ADA COMPLIANT)	CHURCH 9500CT WHITE PLASTIC OPEN FRONT SEAT	SLOAN ROYAL MODEL 111 ESS 1.6 SENSOR HARDWIRED FLUSH VALVE	-	INTEGRAL	-	-	1	4	3	
UR / URH	KOHLER	K-4991-ET BARDON	WALL HUNG URINAL, BACK OUTLET, 3/4" TOP SPUD, ELONGATED RIM, VITREOUS CHINA WASHOUT ACTION, 0.5 GPF (ADA COMPLIANT)	WADE 401 URINAL CARRIER, MOUNT AS INDICATED BY ARCH DWG	SLOAN ROYAL 186 ESS 0.5 SENSOR HARDWIRED FLUSH VALVE	-	INTEGRAL	-	-	3/4	2	2	
LH	KOHLER	K-2196-1 PENNINGTON	SELF RIMMING VITREOUS CHINA LAVATORY, SINGLE HOLE DRILLING (ADA COMPLIANT)	LEONARD 170A-LF-BP-CP CHROME PLATED THERMOSTATIC POINT-OF USE MIXING VALVE WITH COLD WATER BYPASS	SLOAN BASYS EFX-200; INFRARED FAUCET WITH MID SPOUT, HARDWIRED POWER, SINGLE HOLE INSTALLATION LESS TRIM PLATE BELOW DECK THERMOSTATIC MIXING VALVE	McGUIRE 155A	McGUIRE 8902	McGUIRE 2165LK	1/2	1/2	1 1/2	1 1/4	
SSJ	E.L. MUSTEE	63M	24"x24"x10" DURASTONE MOP BASIN	65.700 HOSE & HOSE HOLDER, 65.404 S.S. BUMPER GUARDS, 67.2436 WALL GUARDS (TRIM TO FIT)	63.600A FAUCET	INTEGRAL	CAST IRON DEEP SEAL	-	1/2	1/2	3	2	
SSL	E.L. MUSTEE	19CF	24"x24"x10" UTILATUB MOP BASIN	-	INTEGRAL	INTEGRAL	CAST IRON DEEP SEAL	-	1/2	1/2	3	2	
EWCH	ELKAY	LZSTL8WSSP	STAINLESS STEEL TOP, ELECTRIC WATER COOLER, PUSH BAR CONTROL, INTEGRAL FILTERED BOTTLE FILLING STATION WITH ELECTRONIC SENSOR, 8 GPH OF 50 DRINKING WATER, BI-LEVEL CANE DETECTION APRON MODEL LKAPREZL (ADA COMPLIANT)	MOUNTING BRACKET, MOUNT AS INDICATED BY ARCH DWG	-	INTEGRAL GRID	McGUIRE 8902	INTEGRAL STOPS	-	1/2	1 1/2	1 1/4	
FD	WADE	1100-A-1	CAST IRON BODY FLOOR DRAIN, SATIN NICKEL BRONZE STRAINER ROUND ADJUSTABLE TOP, TRAP PRIMER TAPPING	-	-	-	CAST IRON DEEP SEAL	-	-	1/2	AS NOTED	2	
TP	PPP, INC.	PRIME RITE	TRAP PRIMER VALVE	DISTRIBUTION UNIT AS APPLICABLE FOR MULTIPLE FLOOR DRAINS	-	-	-	-	-	1/2	-	-	
WH	BRADFORD-WHITE	LE240LN3-3	40 GALLON, 4.5 KW, "LOWBOY", THREE YEAR TANK WARRANTY (MINIMUM)	HOLDRITE QUICKSTAND/WALL MOUNT	-	-	-	-	3/4	3/4	-	-	
IEWH	STIEBEL ELTRON	CESPLUS-012-208	INSTANTANEOUS TEMPERING ELECTRIC EMERGENCY EYEWASH/FACE WASH WATER HEATER, OUTPUT TEMP RANGE 60-90F, 12kW, 0.75-10.6 GPM (MIN/MAX), 316 SS HEAT EXCHANGER, 6-YEAR HEAT EXCHANGER WARRANTY, 2-YEAR ELECTRICAL WARRANTY, DIGITAL DISPLAY WITH WATER OUTPUT AND SET POINT TEMPERATURES, OSHA AND ANSI Z 358.1 COMPLIANT	-	-	-	-	-	1/2" (TEPID)	1/2"	-	-	
HB	WOODFORD	24	ANTI-SIPHON VACUUM BREAKER PROTECTED HOSE BIBB (24"AFF)	-	-	-	-	-	-	3/4	-	-	
WF	WOODFORD	B65	FREEZE LESS WALL HYDRANT (24"AFG), INTEGRAL RECESSED BOX WITH HINGED COVER	-	-	-	-	-	-	3/4	-	-	
EW	GUARDIAN	G1825P	PEDESTAL MOUNTED EYEWASH (TEPID HOT WATER)	-	-	-	-	-	3/4	-	1 1/4	-	
RD	WADE	3000AE-42	CAST IRON BODY ROOF DRAIN, ADJUSTABLE, CAST IRON DOME	-	-	-	-	-	-	-	-	-	
SRD	WADE	3000AE-42D	CAST IRON BODY ROOF DRAIN, ADJUSTABLE, CAST IRON DOME, 2" EXTERNAL DAM	-	-	-	-	-	-	-	-	-	
DSN	WADE	3941-85	TYPE 304 FABRICATED STAINLESS STEEL DOWNSPOUT COVER, SECURING FLANGE, HINGED SLOTTED GRATE, SATIN FINISH	-	-	-	-	-	-	-	-	-	

REFERENCE PLUMBING FIXTURE SPECIFICATION FOR ADDITIONAL ALTERNATE MANUFACTURERS. BRANCH SIZES INDICATED REPRESENT MINIMUM VALUES. *VERIFY EXACT FIXTURE TYPE, FINISH, MOUNTING HEIGHT, ETC. WITH ARCHITECT PRIOR TO ORDER AND INSTALLATION. **CONTRACTOR SHALL VERIFY ALL POWER REQUIREMENTS WITH ELECTRICAL PLANS PRIOR TO ORDER AND INSTALLATION.

PIPE SCHEDULE		
UTILITY	MATERIAL	COLOR
STORM	SCHEDULE 40 PVC	GREEN
WASTE	SCHEDULE 40 PVC (SOLID WALL)	BROWN
VENT	SCHEDULE 40 PVC (SOLID WALL)	GRAY OR LABELED
GAS	SCHEDULE 40 STEEL	YELLOW
COLD WATER	HARD COPPER TYPE "L"	BLUE
HOT WATER	HARD COPPER TYPE "L"	RED
CONDENSATE (INTERIOR)	HARD COPPER TYPE "M"	-
CONDENSATE (EXTERIOR)	SCHEDULE 80 PVC (PAINTED)	-
REFRIGERANT	ACR COPPER TUBING	SILVER/WHITE

REFERENCE SPECIFICATIONS FOR FITTINGS, HANGERS, JOINING METHODS AND INSULATION/PAINTING REQUIREMENTS. FOR ALL INSULATED PIPING, PAINT AND LABEL INSULATION ACCORDINGLY.

TBA STUDIO
ARCHITECTURE
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbastudio.com

TBA

SCHOOL OF CONSTRUCTION PRACTICE
LAB BUILDING, UNIVERSITY OF
LOUISIANA MONROE

507 Filhiol Ave, Monroe, LA 71203

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NOTES & SCHEDULES

CONSULTING ENGINEERS

3003 KNIGHT STREET, SUITE 120
SHREVEPORT, LOUISIANA 71105
phone: 318-425-7462 fax: 318-425-4622
www.AFJMc.com

ALLEY, PENNER, JOLLY,
& MICHELLAND INC.

ENGINEER: ROGER H. BARNES, P.E.

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