PLUMBING FIXTURE AND CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	SIZE OF CONNECTION					REMARKS	WATER CONSERVATION
		TRAP	SS	SV	CW	HW		
BFP-1	BACKFLOW PREVENTER	–	–	–	3/8"	–	WATTS No. LF7. 1/4" BACKFLOW PREVENTER WITH BRONZE. LEAD FREE.	
TMV-1	THERMOSTATIC MIXING VALVE	–	–	–	1/2"	1/2"	LEONARD MODEL NO 170 BRONZE BODY WITH LOCK TEMPERATURE ADJUSTMENT CAP. SET TEMP. @ 110°.	
WF-1	WATER FILTER	–	–	–	3/4"	–	AQUA PURE MODEL NO AP717	
WC-1	WATER CLOSET	–	4"	2"	1"	–	AMERICAN STANDARD NO. 215AA.104 "CADET" 1.28 GPF 15" VITREOUS CHINA, FLOOR MOUNTED GRAVITY FED WATER CLOSET WITH ELONGATED BOWL. CHURCH 9500C WHITE FRONT SEAT WITH CONCEALED STAINLESS STEEL SELF-SUSTAINING AND EXTERNAL CHECK HINGE.	
L-1	LAVATORY HANDICAPPED	1 1/4"	2"	2"	1/2"	1/2"	AMERICAN STANDARD NO. 9024.000EC "DECORUM" 20" X 18-1/4" VITREOUS CHINA, WALL HUNG MOUNTED LAVATORY, AMERICAN STANDARD NO. 7426801.243 "BELMEAGE" AND McGUIRE# 8872 CAST BRASS P-TRAP WITH CLEANOUT PLUG, McGUIRE # 155A CAST BRASS P.O. PLUG WITH OPEN GRID STRAINER AND 17 GAUGE TAILPIECE, McGUIRE # 2165LK SUPPLIES WITH RISER AND WALL ESCUTCHEON. ZURN FLR. MTD. CARRIER/ RECTANGULAR UPRIGHTS. ANGLE SUPPLY AND P-TRAP SHALL BE INSULATED WITH TRAP WRAP BY BROCAR PRODUCTS, INC. OR APPROVED EQUAL.	
MS-1	SERVICE SINK	3"	3"	2"	1/2"	1/2"	FIAT PRODUCTS No. MSB2424 OR APPROVED EQUAL WHITE (24"x24") SERVICE SINK WITH 10" HIGH WALLS, 3" STAINLESS STEEL COMBINATION DOME STRAINER AND LINT BASKET OUTLET, ACID RESISTANT, MOLDED STONE (COLOR AS SPECIFIED BY ARCHITECT). REMOVABLE VINYL-COATED RIM GUARD No. V-70-24. SINK FITTING CHICAGO 897-RCF OR T&S No. B-0665-BSTR ROUGH CHROME PLATED BRASS FINISH, RIGID SPOUT, WALL BRACE, INTEGRAL STOPS, PAIL HOOK, HOSE END, VACUUM BREAKER AND VANDAL PROOF SCREWS. PROVIDE 30" HOSE (MINIMUM) WITH STAINLESS STEEL BRACKET (EQUAL TO STERN – WILLIAMS No. T-35) AND STAINLESS STEEL MOP HANGER (EQUAL TO STERN – WILLIAMS No. T-40). PROVIDE 12" HIGH, 20 GAUGE TYPE 316 STAINLESS STEEL SPLASH GUARDS ON ALL WALLS ADJACENT TO THE SERVICE SINK. PROVIDE AND INSTALL INTERNAL WALL SUPPORTS IN ACCORDANCE WITH THE ARCHITECTS REQUIREMENTS FOR THE WALL BRACE ATTACHMENTS.	
EDF-1	ELECTRIC DRINKING FOUNTAIN	1-1/4"	2"	2"	1/2"	---	HALSEY TAYLOR HTHB-HACBBLSS-WF ADA BARRIER-FREE TWO LEVEL, FILTERED, REFRIGERATED, WALL MOUNT FOUNTAIN. McGUIRE NO. 8088 CHROME-PLATED ADJUSTABLE P-TRAP WITH CLEANOUT PLUG, 1-1/4" TRAP NIPPLE AND CHROME-PLATED STOP VALVE IN COLD WATER LINE LOCATED INSIDE CABINET. REFER TO ARCHITECT FOR MOUNTING HEIGHTS.	
FD-1	FLOOR DRAIN	3"	3"	2"	1/2"		J.R. SMITH FIGURE No. 2005Y-A06NB-P OR APPROVED EQUAL PAINTED CAST IRON FLOOR DRAIN AND SEEPAGE FLANGE, SIZE AS NOTED ON DRAWINGS, CLAMPING UNIT, QUAD CLOSE TRAP SEAL, AND 6" ROUNDE ADJUSTABLE POLISHED NICKEL BRONZE STRAINER TYPE TOP AND DEEP SEAL TRAP.	
WH-1	WALL HYDRANT	–	–	–	3/4"	–	MIFAB MHY-26-6, NON-FREEZE, ENCLOSED FLUSH, ANTI-CONTAMINATION WALL HYDRANT WITH VACUUM BREAKER, HARDENED STAINLESS STEEL INTERIOR PARTS, 3/4" HOSE CONNECTION, STAINLESS STEEL BOX FACE AND HINGED COVER WITH OPERATING KEY LOCK, OPERATING KEY AND NON-FREEZE VALVE.	
RVB-1	REFRIGERATOR VALVE BOX	–	–	–	1/2"	–	GUY GRAY #BIM-875 10-3/4" X 9" 16GA. STEEL WITH EPOXY FINISH , 3/8" O.D. SWEAT CONNECTION PROVIDE FILTER WHEN MAKING FINAL CONNECTION, AQUA-PURE #AP717	
SK-1	SINK HANDICAPPED	1-1/2"	2"	2"	1/2"	1/2"	ELKAY No. ELUHAD281655 SINGLE COMPARTMENT STAINLESS STEEL UNDERMOUNTED SINK, 18 GAUGE SELF-RIMMING (31" x 16" x 4" DEEP), KOHLER No. K-647 FAUCET, PROVIDE TMV-1, ANGLE SUPPLIES WITH STOP, 1/2" CHROME-PLATED BRASS NIPPLES TO WALL, McGUIRE No. 151-A CRUMB CUP STRAINER, No. 8912 (1-1/2") ADJUSTABLE SEMI-CAST CHROME-PLATED BRASS P-TRAP WITH TUBING WASTE TO WALL AND CHROME-PLATED CAST WALL FLANGE WITH SET SCREW SUPPLIES, AND P-TRAP SHALL BE INSULATED WITH TRAP WRAP BY PLUMBEREX SPECIALTY PRODUCTS,INC OR APPROVED EQUAL.	

WATER HEATER SCHEDULE

MARK	SERVICE	STORAGE IN GALLONS	RECOVERY AT 100° RISE	ELECTRICAL	ELEMENT WATTS	MAKE AND MODEL
EWH-1	ELECTRIC WATER HEATER	20	12 GPH	208/1ø/60Hz	3KW	A.O. SMITH MODEL NO. DEL-20

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	EXISTING SANITARY SEWER PIPING
	EXISTING VENT PIPING
	EXISTING DOMESTIC COLD WATER
	EXISTING HOT WATER
	EXISTING HOT WATER RETURN
	NEW CONNECTION TO EXISTING
AFF	ABOVE FINISHED FLOOR
BF	BELOW FLOOR
	GATE VALVE
	CHECK VALVE
	PRESSURE RELIEF VALVE
	UNION
	PRESSURE GAUGE
	THERMOMETER
D	CONDENSATE DRAIN LINE
(E)	EXISTING
(D)	ITEMS TO BE REMOVED
	ELBOW UP
	ELBOW RISE OR DN. THROUGH SLAB
	FLOOR CLEANOUT
	CLEANOUT
	FLOOR DRAIN

DISREGARD LEGEND ITEMS NOT INDICATED ON DRAWINGS

PIPING MATERIAL SCHEDULE

PIPING FUNCTION	PIPING MATERIAL
SANITARY WASTE BELOW GRADE	SCHEDULE 40 PVC
SANITARY WASTE ABOVE GROUND	NO-HUB CAST IRON
SANITARY VENT	NO-HUB CAST IRON
DOMESTIC HOT & COLD WATER	COPPER, TYPE "L" HARD DRAWN
FIRE SPRINKLER ABOVE GROUND	BLACK STEEL SCHEDULE 40

NOTE:
NO HUB COUPLING SHALL HAVE A SHIELD CONSTRUCTED OF 304 CORRUGATED STAINLESS STEEL WITH A MINIMUM THICKNESS OF .016. COUPLING SIZE 1-1/2" – 4" SHALL HAVE FOUR (4) BANDS: APPROVED MANUFACTURES HUSKY SD 4000 AND MISSION. NO TWO BANDS ARE ACCEPT

LEGEND OF PLUMBING SYMBOLS

DISREGARD LEGEND ITEMS NOT INDICATED ON DRAWINGS

FIXTURES

SYMBOLS	DESCRIPTION	SIZE OF CONNECTION					
		SANITARY	TRAP	VENT	C.W.	H.W.	I.W.
W C	WATER CLOSET (FLUSH VALVE)	4"	–	2"	1"	–	–
U	URINAL	2"	–	2"	3/4"	–	–
L	LAVATORY	2"	1-1/4"	1-1/4"	1/2"	1/2"	–
BT	BATH TUB	2"	1-1/2"	1-1/2"	1/2"	1/2"	–
MS	MOP SINK	–	2"	2"	1/2"	1/2"	–
SK-"X"	SINK (BY ARCHITECT)	–	1-1/2"	2"	1/2"	1/2"	–
SH	SHOWER	–	2"	2"	1/2"	1/2"	–
EDF	ELECTRIC DRINKING FOUNTAIN	–	1-1/4"	1-1/4"	1/2"	–	–
DF	DRINKING FOUNTAIN	–	1-1/4"	1-1/4"	1/2"	–	1/2"

SHOCK ARRESTOR SCHEDULE

SYMBOL	DESCRIPTION	P.D.I. FIXTURE UNIT RATING	TYPE NO. PPP
SA-A	SHOCK ARRESTOR	1-11	SC-500
SA-B	SHOCK ARRESTOR	12-32	SC-750
SA-C	SHOCK ARRESTOR	33-60	SC-1000
SA-D	SHOCK ARRESTOR	61-113	SC-1250

GENERAL NOTES:

1. ALL CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS), I.E., ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION.
2. ALL CONFLICTS, WHICH MAY PREVENT THE COMPLETION OF WORK AS INTENDED, SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY RELATED WORK UNTIL ALL CONFLICTS ARE RESOLVED AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTOR BY THE ARCHITECT.
3. IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, I.E., FULLY ADJUSTED, TESTED, AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN, "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
4. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL INCLUDE SUCH ITEMS AS ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH APPLICABLE CODES, ACCEPTED INDUSTRY STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS/RECOMMENDATIONS UPON COMPLETION OF THE WORK.
5. ALL CUTTING, DRILLING AND PATCHING OF WALLS, FLOORS, AND/OR STRUCTURAL MEMBERS FOR THE INSTALLATION OF THE PLUMBING AND FIRE PROTECTION SYSTEMS SHALL BE PROVIDED. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN A WAY WITHOUT THE STRUCTURAL ENGINEER'S REVIEW AND PRIOR WRITTEN APPROVAL.
6. PROVIDE NFPA APPROVED FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS.

PLUMBING NOTES:

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS BETWEEN PIPES OF DISSIMILAR MATERIALS SHALL BE MADE WITH DIELECTRIC UNIONS. PROVIDE ACCESS PANELS WHERE REQUIRED.
3. CONTRACTOR SHALL NOTIFY OWNER OF ANY REQUIRED SHUT DOWNS AND COORDINATE THESE WITH OWNER. DOWNTIME SHALL BE HELD TO A MINIMUM.
4. CONTRACTOR SHALL COORDINATE ALL WORK CLOSELY WITH EXISTING AND NEW MECHANICAL AND ELECTRICAL ITEMS.
5. ALL PROPOSED CORE DRILL LOCATIONS THROUGH (E) FLOOR SLAB ARE TO BE COORDINATED WITH AND APPROVED BY THE OWNER PRIOR TO CORING.
6. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
7. COORDINATE PLUMBING FIXTURE SIZES WITH MILLWORK PRIOR TO INSTALLATION. COORDINATE ROUGH-IN ELEVATIONS WITH MOUNTING HEIGHTS.
8. DEMOLISH ANY ABANDONED PVC PIPING IN CEILING SPACE. REPLACE ANY EXISTING PVC PIPING STILL IN SERVICE WITH APPROVED MATERIALS. PROVIDE A SEPARATE LINE ITEM PRICE.
9. NEW DOMESTIC WATER SHUT-OFF VALVES TO BE NIBCO MODEL NO. T-585-66-LF. FURNISH WITH EXTENDED STEM FOR VALVES IN INSULATED LINES.
10. REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION OF ALL WALLS AND CHASES.
11. REFER TO RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN ON THE DRAWINGS.
12. PER COMMERCIAL ENERGY CODE, ALL HOT WATER PIPING SHALL BE INSULATED: 12. 1-1/4" AND BELOW 1 1/2" REQUIRED, 1-1/2" AND ABOVE 2" REQUIRED PER TABLE 6.8.3. REFER TO SPECS. FOR ADDITIONAL INFORMATION.

FIRE PROTECTION NOTES:

1. PROVIDE A COMPLETE FULLY AUTOMATIC WET PIPE SYSTEM HYDRAULICALLY CALCULATED IN ACCORDANCE WITH THE STATE FIRE MARSHAL AND THE LATEST EDITION N.F.P.A. 13, 14, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION.
2. ALL FIRE PROTECTION EQUIPMENT, I.E. PIPING, VALVES, FITTINGS AND ACCESSORIES, ETC. SHALL BE RATED FOR A MAXIMUM WORKING PRESSURE OF 250 PSI.
3. PROVIDE PRESSURE REDUCING VALVES AT ALL SPRINKLER SYSTEM AND FIRE DEPARTMENT HOSE CONNECTIONS WHERE PRESSURES EXCEED 175 PSIG IN ACCORDANCE WITH CODE REQUIREMENTS. CONTRACTOR SHALL FIELD PRESSURE TEST SYSTEM AND DETERMINE WHERE PRESSURE REDUCING VALVES ARE REQUIRED.
4. USE PIPING AND FITTINGS FOR FIRE SUPPRESSION SYSTEMS WHICH ARE APPROVED FOR USE BY UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL SYSTEM ANDS OF THE FOLLOWING TYPES; AND IN ACCORDANCE WITH NFPA, LOCAL CODES ALL AUTHORITIES HAVING JURISDICTION.

   a) BLACK STEEL PIPING: MANUFACTURED TO SATISFY ASTM STANDARDS A53 OR A135.
5. ALL SPRINKLER PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED BACK THROUGH THE DRAIN VALVE WHERE REQUIRED. PROVIDE DRAIN VALVES FOR ALL TRAPPED PORTIONS OF THE SYSTEM.
6. ALL FIRE EQUIPMENT THREADS SHALL CONFORM TO LOCAL FIRE DEPARTMENT STANDARDS.
7. ALL CONTROL VALVES – CHECK VALVES AND FLOW ALARM SWITCHES LOCATED ABOVE FINISHED CEILING SHALL BE ACCESSIBLE AND HAVE A NOTIFICATION MARKING TAG AS REQUIRED FOR INSPECTION VERIFICATION.
8. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLUMBING/SPRINKLER PIPING TO MAINTAIN PROPER CLEARANCES OVER AREA.

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Enter address here
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ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	09/11/26
ISSUED FOR PERMIT	09/11/26
ISSUED FOR CONSTRUCTION	11/02/26

REVISIONS

MARK	DESCRIPTION	DATE
	70% REVIEW SET	07/29/26
	90% REVIEW SET	08/20/26
	ISSUE FOR PERMIT & BID	09/11/26
	ADDENDUM A	09/18/26
	ADDENDUM B	09/24/26
3	ADDENDUM C	10/07/26
	ADDENDUM F	10/30/26
	ISSUE FOR CONSTRUCTION	11/02/26
1	BULLETIN 1	11/16/26

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LICENSED
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STATE OF TEXAS
11/16/2026

DRAWING TITLE
PLUMBING INFORMATION

SHEET NO.
P-0.10