

**GENERAL NOTES:**

- 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.
- 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.
- 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."
- 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.
- 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.
- PROVIDE NFPA APPROVED FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS.

**FIRE PROTECTION NOTES:**

- 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.
- ALL FIRE PROTECTION EQUIPMENT, I.E. PIPING, VALVES, FITTINGS AND ACCESSORIES, ETC. SHALL BE RATED FOR A MAXIMUM WORKING PRESSURE OF 250 PSI.
- 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.
- USE PIPING AND FITTINGS FOR FIRE SUPPRESSION SYSTEMS WHICH ARE APPROVED FOR USE BY UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL SYSTEMS AND OF THE FOLLOWING TYPES; AND IN ACCORDANCE WITH NFPA, LOCAL CODES ALL AUTHORITIES HAVING JURISDICTION.
  - o) **BLACK STEEL PIPING:** MANUFACTURED TO SATISFY ASTM STANDARDS A53 OR A135.
- 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.
- ALL FIRE EQUIPMENT THREADS SHALL CONFORM TO LOCAL FIRE DEPARTMENT STANDARDS.
- 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.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLUMBING/SPRINKLER PIPING TO MAINTAIN PROPER CLEARANCES OVER AREA.

**PLUMBING NOTES:**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE.
- ALL SOIL AND WASTE PIPING SHALL BE INSTALLED AT A MAXIMUM OF 1/8" (1%) PER FOOT GRADE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- PIPING AND/OR EQUIPMENT SHALL NOT BE SUPPORTED FROM STRUCTURAL MEMBERS WITHOUT PRIOR REVIEW AND APPROVAL FROM THE STRUCTURAL ENGINEER.
- CONTRACTOR IS PROHIBITED FROM USING LEAD-BASED SOLDER.
- PROVIDE ONE (1) TRAP PRIMER VALVE FOR EACH FLOOR DRAIN WITHOUT A CONSTANT SOURCE OF WATER SUPPLY TO MAINTAIN TRAP SEAL. PRIMER VALVE SHALL BE LOCATED IN AN ACCESSIBLE AREA AND CONNECTED TO THE NEAREST 3/4" COLD WATER LINE SERVING A FIXTURE.
- BACK FLOW PREVENTER ASSEMBLY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION (APPROXIMATELY 4'-0" A.F.F.). PIPE RELIEF VALVE DISCHARGE PIPING TO NEAREST FLOOR DRAIN. DO NOT INSTALL ABOVE FINISHED CEILINGS.
- DOUBLE CHECK VALVE ASSEMBLY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION (APPROXIMATELY 4'-0" A.F.F.). DO NOT INSTALL ABOVE FINISHED CEILINGS.
- ALL PLUMBING FIXTURES AND EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
- ALL PIPING, VALVES, AND ACCESSORIES SERVING EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
- ANCILLARY SYSTEMS NOT ASSOCIATED WITH EQUIPMENT SHALL NOT BE INSTALLED SO AS TO INHIBIT SERVICING AND/OR REMOVAL OF SAID EQUIPMENT.
- STERILIZE DOMESTIC WATER PIPING SYSTEM IN ACCORDANCE WITH STATE AND LOCAL CODES, AND BASE BUILDING SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN ON-SITE FLOW TEST AT THE NEAREST FIRE HYDRANT. THE RESULTS OF THIS TEST SHALL BE SUBMITTED TO THE ENGINEER OF RECORD UPON COMPLETION OF THE TEST.

**DEMOLITION NOTES:**

- CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS IN THE DEMOLITION AREA PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF REPLACEMENT, REPAIR, RELOCATION OR REMOVAL OF EXISTING ELEMENTS AS REQUIRED TO COMPLETE INSTALLATION OF ALL SYSTEMS AS SPECIFIED AND AS SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR BY SUBMITTING HIS BID PROPOSAL AGREES TO ACCEPT ALL EXISTING SITE CONDITIONS NOT SPECIFICALLY EXPECTED. DISPOSE OF ITEMS REMOVED FROM THE DEMOLITION AREA. REUSE OF ANY EXISTING ITEM ON THIS PROJECT INCLUDING THOSE INDICATED ON THE DRAWINGS TO BE RELOCATED SHALL BE APPROVED BY THE ENGINEER AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS. WHERE THESE DRAWINGS CONFLICT WITH EXISTING FIELD CONDITIONS, A RECORD OF THE FIELD CONDITIONS SHALL BE MADE AVAILABLE TO THE OWNER, ENGINEER, AND ARCHITECT.
- RELOCATE AND RECONNECT ACTIVE PORTIONS OF THE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS AND AS REQUIRED TO MAINTAIN A COMPLETE AND OPERATING SYSTEM THAT IS FUNCTIONALLY EQUIVALENT TO THE PRE-EXISTING SYSTEM PRIOR TO DEMOLITION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR KEEPING AND CAPPING OFF ANY PIPING WITHIN WALLS NOT BEING DEMOLISHED.
- PLUMBING CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY SEWER LINES UNUSED IN CEILING SPACE. CONTRACTOR TO CAP TO POINT OF USE.
- ALL UNUSED WATER, WASTE, AND VENT LINES SHALL BE COMPLETELY REMOVED BACK TO POINT OF USE. CAP AND PLUG WASTE, VENT AND WATER LINES BACK TO POINT OF USE ABOVE CEILING.
- THE PLUMBING DEMOLITION WORK SHALL INCLUDE THE DISCONNECT, REMOVAL AND DISPOSAL OF THE FOLLOWING PIPING AND ASSOCIATED VALVES, FITTINGS, ACCESSORIES AND SUPPORTS: DOMESTIC COLD WATER, HOT WATER, SANITARY VENT AND SANITARY WASTE.
- EXISTING PIPING AND EQUIPMENT LOCATIONS ARE SCHEMATICS. CONTRACTOR TO FIELD VERIFY SIZE, LOCATION AND ELEVATION OF EXISTING PIPING PRIOR TO START OF WORK.
- EXISTING PIPING, FIXTURES AND EQUIPMENT THAT ARE NOT TO BE REUSED SHALL BE REMOVED AND SHALL REMAIN PROPERTY OF THE OWNER IF THEY WISH TO RETAIN OWNERSHIP OF REMOVED EQUIPMENT. IF NOT, EQUIPMENT SHALL BECOME PROPERTY OF THE GENERAL CONTRACTOR AND REMOVED FROM THE SITE AS SOON AS POSSIBLE AND DISPOSED OF ACCORDANCE TO APPLICABLE LAWS AND REGULATIONS.
- WHERE EXISTING PIPING AND EQUIPMENT THAT ARE TO BE UTILIZED IN THE COMPLETED PROGRAM CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE.
- ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE.

**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
.....	ABOVE FINISHED FLOOR
.....	BELOW FLOOR
.....	GATE VALVE
.....	CHECK VALVE
.....	PRESSURE RELIEF VALVE
.....	UNION
.....	PRESSURE GAUGE
.....	THERMOMETER
.....	CONDENSATE DRAIN LINE
.....	EXISTING
.....	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 MANUFACTURER HUSKY SD 4000 AND MISSION. NO TWO BANDS ARE ACCEPT

**WATER HEATER SCHEDULE**

MARK	SERVICE	STORAGE IN GALLONS	RECOVERY AT 100' RISE	ELECTRICAL	ELEMENT WATTS	MAKE AND MODEL
EMH-1	ELECTRIC WATER HEATER	20	20 GPH	208/1ø/60Hz	1.5KW	A.O. SMITH MODEL NO. DEL-20 NON SIMULTANEOUS AND SINGLE ELEMENT OPERATION

**PUMP SCHEDULE**

MARK	LOCATION	SERVICE	GPM	HEAD FT.	MIN. EFF.	HP	VOLTS/ø	RPM	MAKE AND MODEL
HWCP-1	LEVEL 1	DOMESTIC HOT WATER	9	7	--	1/15	120/1ø	1750	BELL & GOSSET SERIES 100, 1-1/4" FLANGED ALL BRONZE, INLINE TYPE

**PLUMBING FIXTURE AND CONNECTION SCHEDULE**

SYMBOL	DESCRIPTION	SIZE OF CONNECTION					REMARKS	WATER CONSERVATION
		TRAP	SS	SV	CW	HW		
EDF-1	ELECTRIC DRINKING FOUNTAIN	1-1/4"	2"	2"	1/2"	---	ELKAY EZSTLDDWSLK ADA BARRIER-FREE TWO LEVEL 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.	
WC-1	WATER CLOSET HANDICAPPED	---	4"	2"	1"	---	AMERICAN STANDARD NO. 2467.100 "CADET FLOWSE" 1.1 GPF VITREOUS CHINA, FLOOR MOUNTED GRAVITY FED CLOSET WITH ELONGATED BOWL. CHURCH 9500C WHITE FRONT SEAT WITH CONCEALED STAINLESS STEEL SELF-SUSTAINING AND EXTERNAL CHECK HINGE. MIFAB.	1.1 G./FLUSH
L-1	LAVATORY HANDICAPPED	1 1/4"	2"	2"	1/2"	1/2"	AMERICAN STANDARD NO. 9482.000 "OVALYN" (19-1/4" X 15-3/4") VITREOUS CHINA, UNDERCOUNTER MOUNTED LAVATORY. AMERICAN STANDARD NO. 7455207 "TOWN SQUARE S", McGUIRE# 8872 CAST BRASS P-TRAP WITH CLEANOUT PLUG, McGUIRE # 1554 CAST BRASS P.O. PLUG WITH OPEN GRID STRAINER AND 17 GAUGE TAILPIECE, McGUIRE # 2165LK SUPPLIES WITH RISER AND WALL ESCUTCHEON. ZURN FLR. WTD. CARRIER/ RECTANGULAR UPRIGHTS. ANGLE SUPPLY AND P-TRAP SHALL BE INSULATED WITH TRAP WRAP BY BROCAR PRODUCTS, INC. OR APPROVED EQUAL.	2.2 GPM
SK-1	SINK HANDICAPPED	1-1/2"	2"	2"	1/2"	1/2"	ELKAY No. LRAD332155 DOUBLE COMPARTMENT STAINLESS STEEL DROP-IN SINK, 18 GAUGE SELF-RIMMING (33"x22"x6" DEEP) SINK FAUCET HOLE PUNCHING, KOHLER No. K-597 FAUCET, PROVIDE TMV-1, RIGID/PULL-DOWN GOOSENECK SPOUT, CHICAGO No. 1017, 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.	
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.	
WF-1	WATER FILTER	-	-	-	3/4"	-	AQUA PURE MODEL NO AP717	
BFP-1	BACKFLOW PREVENTER	-	-	-	3/8"	-	WATTS No. LF7. 1/4" BACKFLOW PREVENTER WITH BRONZE LEAD FREE.	
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	
IS-1	TIME SWITCH	-	-	-	3/4"	-	TORK ELECTROMECHANICAL 24 HOUR TIME SWITCH POWERED BY A SELF STARTING SYNCHRONOUS MOTOR. INSTALL ON WALL ADJACENT TO CIRCULATING PUMP. COORDINATE WITH ELECTRICAL AND PROVIDE FOR 120/1/60 HZ POWER REQUIREMENT.	
ATP-1	AUTOMATIC TRAP PRIMER	-	-	-	1/2"	-	PRECISION PRODUCTS "PRIME-RITE" TRAP PRIMER MODEL # PRO1-500.	
TMV-1	THERMOSTATIC MIXING VALVE	-	-	-	1/2"	-	SYMMONS NO #8210CK THERMOSTATIC MIXING VALVE CONSTRUCTION SHALL BE ROUGH BRASS AND BRONZE WITH BRASS AND STAINLESS STEEL FLOW CONTROL COMPONENTS, WITH INTEGRAL CHECKS AND VALVES. 360 DEGREES HANDLE ADJUSTMENT FOR TEMPERATURE SELECTION. ø 110 F. MAX	
MS-1	SERVICE SINK	3"	3"	2"	1/2"	1/2"	STERN WILLIAMS MODEL NO. SB-902-BP-2 -LB 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-ROF 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.	



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ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	04/13/2026
ISSUED FOR CONSTRUCTION	

**REVISIONS**

MARK	DESCRIPTION	DATE
	PERMIT SET	04/13/2026



PRINT DATE

**DRAWING TITLE**  
**PLUMBING INFORMATION**

SHEET NO.	P-1.00
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PM	SETUP	MECH	ELEC	PLBG	CHCK
JG	CC/JG	CC	JG	CC	JG