

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. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2009 INTERNATIONAL PLUMBING CODE.
2. ALL SOIL AND WASTE PIPING SHALL BE INSTALLED AT A MAXIMUM OF 1/8" (1%) PER FOOT GRADE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
3. PIPING AND/OR EQUIPMENT SHALL NOT BE SUPPORTED FROM STRUCTURAL MEMBERS WITHOUT PRIOR REVIEW AND APPROVAL FROM THE STRUCTURAL ENGINEER.
4. CONTRACTOR IS PROHIBITED FROM USING LEAD-BASED SOLDER.
5. 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.
6. 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.
7. DOUBLE CHECK VALVE ASSEMBLY SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION (APPROXIMATELY 4'-0" A.F.F.). DO NOT INSTALL ABOVE FINISHED CEILINGS.
8. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
9. ALL PIPING, VALVES, AND ACCESSORIES SERVING EQUIPMENT SHALL CONFORM TO ALL APPLICABLE ENERGY CONSERVATION CODES.
10. ANCILLARY SYSTEMS NOT ASSOCIATED WITH EQUIPMENT SHALL NOT BE INSTALLED SO AS TO INHIBIT SERVICING AND/OR REMOVAL OF SAID EQUIPMENT.
11. STERILIZE DOMESTIC WATER PIPING SYSTEM IN ACCORDANCE WITH STATE AND LOCAL CODES, AND BASE BUILDING SPECIFICATIONS.
12. 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.

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.

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 MANUFACTURES HUSKY SD 4000 AND MISSION. NO TWO BANDS ARE ACCEPT

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

PLUMBING FIXTURE AND CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	SIZE OF CONNECTION					REMARKS	WATER CONSERVATION
		TRAP	SS	SV	CW	HW		
SK-1X	3-COMP. SINK	----	3"	2"	1/2"	1/2"	3 COMPARTMENT SINK & (2) FAUCET SPEC AND FURNISHED BY OWNER, ROUGH-IN AND HOOK-UP BY PLUMBING CONTRACTOR PROVIDE INDIRECT WASTE TO FLOOR SINK WITH 2" AIR GAP, 3/4" HOT AND COLD WATER CONNECTION WITH GATE VALVES 10" A.F.F. DRAINAGE PIPING SHALL BE COPPER TYPE K	
SK-2X	SERVICE SINK	----	3"	2"	1/2"	1/2"	UTILITY SINK & (1) FAUCET SPEC AND FURNISHED BY OWNER, ROUGH-IN AND HOOK-UP BY PLUMBING CONTRACTOR PROVIDE INDIRECT WASTE TO FLOOR SINK WITH 2" AIR GAP, 3/4" HOT AND COLD WATER CONNECTION WITH GATE VALVES 10" A.F.F. DRAINAGE PIPING SHALL BE COPPER TYPE K	
HS-1X	HAND SINK	3"	2"	2"	1/2"	1/2"	NEW HAND SINK & (1) FAUCET BY OWNER. CONTRACTOR TO INSTALL. ROUGH-IN AND HOOK-UP BY PLUMBING CONTRACTOR 1/2" HOT AND COLD WATER CONNECTION WITH GATE VALVES 26" A.F.F.	
HS-2X	HAND SINK	3"	2"	2"	1/2"	1/2"	NEW HAND SINK & (1) FAUCET BY OWNER. CONTRACTOR TO INSTALL. ROUGH-IN AND HOOK-UP BY PLUMBING CONTRACTOR 1/2" HOT AND COLD WATER CONNECTION WITH GATE VALVES 26" A.F.F.	
FD-1	FLOOR DRAIN	3"	3"	3"	1/2"	-	J.R. SMITH FIGURE NO. 2631C-12 OR APPROVED EQUAL 12"x12" PAINTED CAST IRON FLOOR DRAIN WITH SEDIMENT BUCKET, 1/2" GRATE, SIZE AS NOTED ON PLANS, CLAMPING UNIT, TRAP PRIMER TAP AND DEEP SEAL TRAP.	
FS-1	FLOOR SINK	3"	3"	2"	-	-	J.R. SMITH MODEL NO. 3141-12, 12"x12" SQUARE DURACOATED CAST IRON BODY WITH BOTTOM OUTLET NICKEL BRONZE 12"x12" HALF GRATE AND ACID RESISTANT ENAMEL INTERIOR AND ALUMINUM BUCKET, QUAD CLOSE TRAP SEAL. OUTLET SIZE AS SHOWN ON DRAWINGS.	
WF-1	WATER FILTER	-	-	-	3/4"	-	AQUA PURE MODEL NO AP717	
BEP-1	BACKFLOW PREVENTER	-	-	-	SEE PLAN	-	WATTS No. LF7C. 1/4" BACKFLOW PREVENTER WITH LEAD FREE CAST COPPER SILICON ALLOY BODY.	
BEP-2	BACKFLOW PREVENTER	-	-	-	SEE PLAN	-	WATTS No. LF909-SMALL. 1" BACKFLOW PREVENTER WITH AIR GAP FITTING 909-AG-F.	
ATP-1	AUTOMATIC TRAP PRIMER	-	-	-	1/2"	-	PRECISION PRODUCTS "PRIME-RITE" TRAP PRIMER MODEL # PR-500 WITH SS-8 DISTRIBUTION UNIT.	
IMV-1	THERMOSTATIC MIXING VALVE	-	-	-	1/2"	-	SYMMONS NO #8-210-CK 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. @ 110 F. MAX (SINK)	
TS-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 120V/1/60 HZ POWER REQUIREMENT.	

WATER HEATER SCHEDULE

MARK	SERVICE	STORAGE IN GALLONS	RECOVERY AT 100° RISE	ELECTRICAL	ELEMENT WATTS	MAKE AND MODEL
EW-1	ELECTRIC WATER HEATER	40	50 GPH	240/19/60HZ	15 KW	A.O. SMITH MODEL NO. DSE-40A SINGLE ELEMENT OPERATION

PUMP SCHEDULE

MARK	LOCATION	SERVICE	GPM	HEAD FT.	MIN. EFF.	HP	VOLTS/Ø	MAKE AND MODEL
HWCP-1	CEILING	DOMESTIC HOT WATER	8	6	--	1/12	120/1Ø	GRUNDFOS PRODUCT UP 15-29 SU/LC-59896776, 1-1/4" FLANGED, INLINE TYPE PRODUCT TO MEET OR EXCEED THE REQUIREMENTS OF CURRENT IECC MOTOR EFFICIENCY RATINGS.



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E/B/E Project Number : 26049.00

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	05/08/2026
ISSUED FOR PERMIT	05/08/2026
ISSUED FOR CONSTRUCTION	

MARK	DESCRIPTION	DATE
	90% REVIEW SET	2026/04/07
	PERMIT AND BID SET	2026/05/08

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DRAWING TITLE
PLUMBING INFORMATION SHEET

SHEET NO.

P0.01

SCALE: N.T.S.

EIB/E Mechanical Electrical Plumbing
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PM	MECH	ELEC	PLBG	CHK
JG	THV	JG	BM	JG