



DAVIS PARTNERSHIP ARCHITECTS

2901 Blake Street, Suite 100
Denver, CO 80205
303.861.8555

Consultant



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CRESCENT RIO
700 WEST 1ST STREET TEMPE, AZ 85281

Sheet Information

Sheet Title:

PLUMBING LEGEND & SCHEDULES

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PLUMBING LEGEND

NOT ALL ITEMS LISTED BELOW ARE USED ON THIS SET OF PLUMBING DRAWINGS

PLUMBING DESCRIPTION		PIPING SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CW	DOMESTIC COLD WATER	WALL HYDRANT	
HW	DOMESTIC HOT WATER	HOSE BIB VALVE	
HW	DOMESTIC HOT WATER CIRCULATION	CALIBRATED BALANCING VALVE	
HW	TEMPERED WATER AT TEMP. SHOWN	GATE VALVE	
T	TEMPERED WATER	CHECK VALVE	
TR	TEMPERED WATER CIRCULATION	SOLENOID VALVE	
W	SOIL OR WASTE	PRESSURE REDUCING VALVE	
GW	GREASE WASTE	GAS VALVE	
SCD	SCHEMATIC & OIL DRAIN	PUMP	
BD	BUILDING DRAIN	ATMOSPHERIC VACUUM BREAKER	
BS	BUILDING SEWER	STRAINER	
PD	PUMP DISCHARGE LINE	ROOF DRAIN OR OVERFLOW DRAIN	
D	DRAIN	RELIEF VALVE	
V	SANITARY VENT	DOWNSPOUT NOZZLE	
SD	STORM DRAIN	WATER HAMMER ARRESTER	
OD	OVERFLOW DRAIN	UNION	
SS	STORM SEWER	REDUCER	
F	FIRE SPRINKLER	WATER METER	
FDC	FIRE DEPT. CONNECTION	PRESSURE GAUGE	
G	NATURAL GAS	FLOOR SINK	
MFG	MEDIA PRESSURE	AREA FLOOR DRAIN	
LPG	LPG PROPANE GAS	ROOF DRAIN OR OVERFLOW DRAIN	
CA	COMPRESSED AIR	WALL CLEANOUT AND LINE CLEANOUT	

PLUMBING PIPING SYMBOLS

SYMBOL	DESCRIPTION
ABOVE FINISHED FLOOR	
ABOVE FINISHED FLOOR	
REMOVE EXISTING	
PIPE DOWN	
FUTURE TRAP OR DRAIN TRAP	
PIPE DOWN	
FUTURE TRAP OR DRAIN TRAP	
PIPE UP OR PLUG	

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFR	ABOVE FINISHED FLOOR	FCO	FLOOR CLEAN OUT
AFI	ABOVE FINISHED GRADE	GC	GENERAL CONTRACTOR
AP	ACCESS PANEL	IC	INVERT ELEVATION
BPP	BROCKHORN PRESENTER	IR	INVERT ROOM
DNZ	DOWNSPOUT NOZZLE	LOC	LINE CLEAN OUT
IS	EXISTING	MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR	MH	MANHOLE
EL	ELEVATION	NI	NEW
		NC	NORMALLY CLOSED
		NO	NOT CONTRACTOR
		NO	NORMALLY OPEN
		NO	NOT TO SCALE
		NO	SURFACE CLEAN OUT
		NO	TYPICAL
		NO	WALL CLEAN OUT
		NO	WALL CLEAN OUT
		NO	VENT THROUGH ROOF

PLUMBING FIXTURE SCHEDULE

SYMBOL	TYPE	ADA	ACCESSORIES	FINISH	MANUFACTURER & MODEL NUMBER	ACCEPTABLE MANUFACTURERS	REMARKS	ROUGH IN CONNECTION SIZING			
								WASTE (INCHES)	VENT (INCHES)	HOT (INCHES)	COLD (INCHES)
WC-1	WATER CLOSET - FLOOR MOUNTED, TANK TYPE, 17" HIGH, 1.6 GPF, ELONGATED BOWL, 12" ROUGH-IN	YES	HEAVY DUTY SEAT WITH LID COLOR SHALL MATCH FIXTURE	VITREOUS CHINA	TOTO DRAKE II IG N/A CST944CUG9W1	AMERICAN STD. CERAMIC KOHLER	COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS	3	2	--	1/2
WC-2	WATER CLOSET - FLOOR MOUNTED TYPE 17" HIGH, 1.28 GPF, ELONGATED BOWL, 12" ROUGH-IN, DUAL FLUSH VALVE, URINAL - WALL MOUNTED, AUTOMATIC SENSORS OPERATE FLUSH VALVE, 1.8 GPF, 3/4" TOP INLET SPUD, FLUSHING RIM	YES	HEAVY DUTY GREEN FRONT SEAT. COLOR SHALL MATCH FIXTURE	VITREOUS CHINA	TOTO TOTO ECOLPOWER TET1L23CPC	AMERICAN STD. CERAMIC KOHLER	COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS	4	2	--	1
UR-1	URINAL - WALL MOUNTED, AUTOMATIC SENSORS OPERATE FLUSH VALVE, 1.8 GPF, 3/4" TOP INLET SPUD, FLUSHING RIM	YES	FLOOR MOUNTED CARRIER WITH HANGER PLATE AND SUPPORT LEGS	VITREOUS CHINA	TOTO U1444UB1T	AMERICAN STD. CERAMIC KOHLER	COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS	2	2	--	3/4
L-1	LAVATORY - 17X13" SQUARE UNDER MOUNTED, 4" CENTERSET FAUCET WITH ONE HANDLE CONTROL, 4.3/4" SPOUT	YES	0.5 GPM AERATOR METAL DRAIN ASSEMBLY WITH HANGER PLATE PROVIDE TRAP COVER IN ADA LIMITS	VITREOUS CHINA CHROME FAUCET	KOHLER VERTICYL 2-3922 F-049-SYCC	AMERICAN STD. CERAMIC KOHLER	PROVIDE WITH 1.5 GPM AERATOR LEAD FREE FAUCET AND SUPPLY KIT	2	2	1/2	1/2
L-2	LAVATORY - 17X13" SQUARE UNDER MOUNTED, 8" WIDESPREAD FAUCET WITH ONE HANDLE CONTROL	YES	0.5 GPM AERATOR METAL DRAIN ASSEMBLY TRUEDRAG TRAP COVER	VITREOUS CHINA CHROME FAUCET	KOHLER VERTICYL 2-3922 F-049-SYCC	AMERICAN STD. CERAMIC KOHLER	PROVIDE WITH 1.5 GPM AERATOR LEAD FREE FAUCET AND SUPPLY KIT	2	2	1/2	1/2
SH-1	SHOWER, Poured in PLACE, BY G.C. FLOOR AND WALLS BY G.C. 2" NO CAULK DRAIN, PRESS. BAL. VALVE WITH SERVICE STORES, ADA HANDLE 60/32/19-3/4" O.D. BATHUB, PRESSURE BALANCING VALVE, ADA HANDLE, TUB SPOUT W/ DIVERTER SINK, 30" X 22" C.O. DOUBLE COMPARTMENT, UNDERMOUNT SINK	YES	1.5 GPM FLOW REMOVABLE HAND SPRAY HEAD, 80" FLEXIBLE METAL HOSE, VACUUM BREAKER & 30" SIDE BAR	CHROME STRAINER CHROME FAUCETS	J.R. SMITH 2005-A09CP T14287-A20	DELTA ZURN SHERMAN	COORDINATE EXACT LOCATION OF DRAIN AND FAUCET WITH ARCHITECTURAL DRAWINGS	2	2	1/2	1/2
BT-1	BT - 24" X 18" SINK, 1/2" DEEP, 1.5 GPM, COMPARTMENT, UNDERMOUNT SINK, PULL-DOWN SPRAY FAUCET	NO	ONE HANDLE FAUCET AND DIVERTER ON KIT DELUXE SINGLE HANDLE, PULL DOWN SPRAY FAUCET, 1.5 GPM SINGLE HOLE DECK MOUNT	STAINLESS STEEL BLACK FAUCET	KOHLER K3838-1NA RP91607	DELTA MOEN PFERLESS	COORDINATE FAUCET HOLE CONFIGURATION WITH COUNTER	2	2	1/2	1/2
S-2	S - 24" X 18" SINK, 1/2" DEEP, 1.5 GPM, COMPARTMENT, UNDERMOUNT SINK, PULL-DOWN SPRAY FAUCET	YES	DELUXE SINGLE HANDLE, PULL DOWN SPRAY FAUCET, 1.5 GPM, SINGLE HOLE DECK MOUNT	STAINLESS STEEL CHROME FAUCETS	ELKAY ELKAY ELM400211555 RP91607	DELTA MOEN PFERLESS	COORDINATE FAUCET HOLE CONFIGURATION WITH FAUCET	2	2	1/2	1/2
S-3	S - 30" X 22" O.D. DOUBLE COMPARTMENT, DELUXE SINGLE HANDLE FAUCET, METAL CONSTRUCTION	YES	DELUXE SINGLE HANDLE, PULL DOWN SPRAY FAUCET, 1.8 GPM, SINGLE HOLE DECK MOUNT	STAINLESS STEEL CHROME FAUCETS	ELKAY ELKAY ELK400332 F-029-45LC	DELTA MOEN PFERLESS	COORDINATE FAUCET HOLE CONFIGURATION WITH FAUCET	2	2	1/2	1/2
D-1	D - 13 HP, 120-Volt MANUAL RESET, GALVANIZED ELEMENTS 2 STAGE CONTINUOUS FEED GRINDER	NA	MOTOR OVERLOAD PROTECTION DISHWASHER CONNECTION PLUG AND CORD		GE MONODRGRAM GFC25V	NATIONAL WASTE KING INDISINTEGRATOR	3-YEAR WARRANTY	--	--	--	--
MSB-1	MOP SERVICE BASIN WITH 6" DROP FRONT 3" STAINLESS STEEL DRAIN & STRAINER	NO	10" SPOUT WITH WALL BRACE & PAUL HOOK, 3/4" MALE HOSE THROUGH OUTLET, VACUUM BREAKER	MOLDED STONE BRASS FAUCETS	STERN WILLIAMS HL-1810	DELTA ARCO FLORESTONE	PROVIDE WITH 1-35 HEAVY DUTY 30" FLEX HOSE & BRACKET, 1-40 STAINLESS STEEL MOP BRACKET	3	2	1/2	1/2
WB-1	W - 1/2" DIA. 12" MACHINE 1/2" NPT BOTTOM INLET 1/4" COMPRESSION OUTLET	NA	--		GILY GRAY WB-200	LSP PRODUCTS GATEY	INTEGRAL WATER HAMMER ARRESTORS	3	2	1/2	1/2
WB-2	W - 1/2" DIA. 12" MACHINE 1/2" NPT BOTTOM INLET 1/4" COMPRESSION OUTLET	NA	--		GILY GRAY BM975	LSP PRODUCTS GATEY		--	--	--	1/2
EW-1	ELECTRIC WATER COOLER WITH BOTTLE FILLER, FLOOR MOUNTED, FRONT AND SIDE PUSH BAR VALVES	YES	CAPACITY: 8 GPM, 50 F OUTLET WATER TEMP AT 90° ROOM TEMP, AND 90 F INLET WATER TEMP.	STAINLESS STEEL	ELKAY EZ25LW9LK	HALEY TAYLOR KOHLER, OASIS	COORDINATE MOUNTING HEIGHT AND LOAD BEARING WALL REQUIREMENTS WITH ARCHITECT	2	2	--	1/2
ESE-1	COMBINATION EMERGENCY SHOWER AND EYEWASH WITH 10" SHOWERHEAD, 10" EYEWASH WITH 2" EYEWASH HEADS	YES	SHOWERHEAD, INTEGRAL FLOW CONTROL, 1" IPS STAY OPEN BALL VALVE OPERATED BY TRIANGULAR HANDLED FULL RIGID	STAINLESS STEEL	BRADLEY #519-3198S	HALEY GUARDIAN EQUIP BREAKMAN	EYEWASH INTEGRAL FLOW CONTROL, 1/2" IPS STAY OPEN BALL VALVE OPERATED BY LARGE YELLOW PUSH HANDLE	--	--	1-1/4 (86-18)	--
FD-1	FLOOR DRAIN - 6" ROUND TOP, ROUND CAST IRON BODY, FLASHING COLLAR, ADJUSTABLE STRAINER HEAD, SECURED GRATE	YES	JR SMITH 2992 TRAP GUARD	NICKLE BRONZE	J.R. SMITH 2005-A08NB	JOSAM J.R. SMITH WADSWATTS	FOR FINISHED FLOOR AREAS	NOTED ON PLANS	2	--	--
FS-1	FLOOR SINK - SQUARE CAST IRON BODY, FLASHING COLLAR, PORCELAIN ENAMELED INTERIOR, DOME STRAINER	NA	REMOVABLE HALF GRATE JR SMITH 2992 TRAP GUARD	NICKLE BRONZE	J.R. SMITH 3200-12	JOSAM J.R. SMITH WADSWATTS	10" SQUARE X 12" DEEP	NOTED ON PLANS	2	--	--
FS-2	FLOOR SINK - SQUARE CAST IRON BODY, FLASHING COLLAR, PORCELAIN ENAMELED INTERIOR, DOME STRAINER	NA	REMOVABLE HALF GRATE JR SMITH 2992 TRAP GUARD	NICKLE BRONZE	J.R. SMITH 3150-12	JOSAM J.R. SMITH WADSWATTS	12" SQUARE X 8" DEEP	NOTED ON PLANS	2	--	--
AD-1	AREA DRAIN, ROUND BODY, HEAVY DUTY 1/2" GRATE, TRAFFIC RATED ANCHORING FLANGE	NA	ROUND TRAFFIC RATED GRATE	CAST IRON	J.R. SMITH 2140	JOSAM J.R. SMITH WADSWATTS	FOR PARKING GARAGE	NOTED ON PLANS	--	--	--
TD-1	TRENCH DRAIN, HDPE BODY, 6" REVEAL SHALLOW BODY, 4" INTERNAL WIDTH BOTTOM OUTLET, STAINLESS STEEL	NA	HEEL-PROOF STAINLESS GRATE FRAMING NO GRATE	STAINLESS STEEL	Z-863-SV-U4	POLYDRAN J.R. SMITH STROCKWELL	SUPPORT PER MANUFACTURER'S INSTRUCTIONS	4	--	--	--
WH-1	WALL HYDRANT - FLUSH NON-FREEZE BOX ALL BRASS SELF DRAINING BODY, LOOSE KEY KEY LOCK COVER SURFACE MOUNTED EXPOSED TYPE HOSE BIBB, METAL WHEEL HANDLE	NA	DOUBLE CHECK VALVE, 3/4" HOSE THREAD OUTLET, PROVIDE WITH SHUTOFF BALL VALVE IN BRANCH PIPE	CHROME	WOODFORD 867	JOSAM J.R. SMITH WADSWATTS	SELF DRAINING BODY AND SHANK SHANK LENGTH SUFFICIENT TO PREVENT FREEZING FOR USE IN NON PUBLIC, HEATED AREAS ONLY	--	--	--	3/4
HB-1	HOSE BIB, METAL WHEEL HANDLE SPOUT OUTLET VACUUM BREAKER	NA	DOUBLE CHECK VALVE, 3/4" HOSE THREAD OUTLET, PROVIDE WITH SHUTOFF BALL VALVE IN BRANCH PIPE	CHROME	ZURN 28	JOSAM J.R. SMITH WOODFORD	NON PUBLIC, HEATED AREAS ONLY	--	--	--	3/4
WMF-1	W - 1/2" DIA. 12" MACHINE 1/2" NPT BOTTOM INLET 1/4" COMPRESSION OUTLET	NO	PAIL HOOK, 3/4" MALE HOSE	BRASS FAUCETS	JOSAM ZURN 2043MRC	ARCO FIAT WILLIAMS	PROVIDE WITH HEAVY DUTY 30" FLEX HOSE & BRACKET.	--	2	1/2	1/2

PLUMBING SPECIALTIES SCHEDULE

SYMBOL	TYPE	ADA	ACCESSORIES	FINISH	MANUFACTURER & MODEL NUMBER	ACCEPTABLE MANUFACTURERS	REMARKS	ROUGH IN CONNECTION SIZING			
								WASTE (INCHES)	VENT (INCHES)	HOT (INCHES)	COLD (INCHES)
AFSV-1	ANTI-FLOOD SHUTDOWN SOLENOID VALVE NORMALLY OPEN DIAPHRAGM TYPE	NA	F599 FLOW SENSOR JB113 JUNCTION BOX	EPOXY COATED CAST IRON	WATTS	ZURN BERNAD	COORDINATE CONTROL CONNECTIONS WITH ELECTRICAL CONTRACTOR	--	--	--	4
WCO-1	WALL CLEANOUT WITH COUNTERSUNK PLUG	NA	--	NICKLE BRONZE	J.R. SMITH	ZURN WADSWATTS	SIZE NOTED ON PLAN	--	--	--	--
FCO-1	FLOOR CLEANOUT WITH COUNTERSUNK PLUG	YES	MATCH TOP STYLE FOR FLOORING	NICKLE BRONZE	J.R. SMITH 4020	JOSAM ZURN WADSWATTS	SIZE NOTED ON PLAN	--	--	--	--
SCO-1-2	ROUND CAST IRON BODY BRONZE DOUBLE FLANGED HOUSING HEAVY DUTY SECURED COVER	YES	VANDAL RESISTANT SCREWS TAPER THREAD BRONZE PLUG	NICKLE BRONZE	J.R. SMITH 4250	JOSAM ZURN WADSWATTS	PROVIDE 2-WAY CLEANOUT AT EACH SCO-2, TWO COVERS REQUIRED	--	--	--	--
DNZ-1	DOWNSPOUT NOZZLE, NOZZLE BRONZE BODY WITH INSIDE THREADED CONNECTION	NA	--	NICKLE BRONZE	ZURN 2199	JOSAM J.R. SMITH WADSWATTS	SIZE NOTED ON PLAN	--	--	--	--
TMV-1	POINT OF USE THERMOSTATIC MIXING VALVE WITH HIGH TEMPERATURE LIMIT STOP, INTEGRAL CHECK VALVES	NA	MINIMUM FLOW 0.5 GPM MAXIMUM FLOW 7 GPM LOCKING TEMPERATURE CONTROL	BRONZE	LEONARD #270-LF	LAWLER POWERS SYMONDS	LEAD FREE ASSEMBLY	--	--	3/8	3/8
TEV-1	3/4" THERMAL EXPANSION RELIEF VALVE BRASS BALL TYPE WITH BARBED RELIEF OUT AND SILICONE SEATS	NA	PROVIDE WITH FLEXIBLE VINYL DISCHARGE HOSE 1/4" I.D.	BRONZE	APOLLO 78LF-7.2-4RV	DANFOSS	LEAD FREE ASSEMBLY, MAX 80 PSID RELIEF PRESSURE	--	--	--	3/4
AAV-1	AIR ADMITTANCE VALVE, PLENUM RATED ALTERNATIVE VENT TERMINATION WITH LIFETIME WARRANTY	NA	--		STUDOR TEC-VENT	GATEY PROFLO		--	--	--	--
TG-1	TRAP GUARD, DIAPHRAGM STYLE SELF SEALING OUTLET	NA	--		J.R. SMITH	PROSET P.P.P.	SIZE FOR DRAIN OUTLET	--	--	--	--
TWM-1	TENANT SUBMETER TYPE WATER METER W/ ODOMETER AND DIRECT READ ELECTRIC OUTPUT FOR REMOTE READOUT	NA	PROVIDE WITH INTEGRAL BASKET STRAINER		MASTER METER MULTI-JET	CARLON	METER SHALL MEET ALL A.W.W.A. STANDARDS AND SHALL BE N.S.F. CERTIFIED	--	--	--	--
RBFP-1	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY, LEAD FREE ASSE 1015 APPROVED		AIRGAP FITTING ON DISCHARGE	BRONZE	375	WATTS CONBRACO CASHACME	--	--	--	--	--
FBFP-1	FIRE BACKFLOW PREVENTER DOUBLE CHECK TYPE ASSE APPROVED	NA	--	BRONZE	C200	AMES WATTS	--	--	--	--	--
FIRE DEPART CONN	4" x 1/2" CAST BRASS TWO-WAY INLET BODY, CAPS AND CHAINS, DRIP CLIPPERS, PIN LUG BRIVELS	NA	WALL PLATE WITH "AUTO SPRINKLER" LETTERING	BRASS	POTTER ROEMER 5751	CRICKER ELKHART STANDARD	THREADS SHALL MATCH LOCAL FIRE DEPARTMENT REQUIREMENTS	--	--	--	--

TOTAL CONNECTED GAS LOAD SCHEDULE

EQUIPMENT	QTY.	INPUT EACH (BTUH @ SL)	INPUT TOTAL (BTUH @ SL)	INLET PRESSURE	NOTES
DOMESTIC WATER HEAT	1	2,800,000	2,800,000	7" WC	1, 2, 3
HVAC	1	2,800,000	2,800,000	7" WC	1, 2, 3
FIRE FEATURES	1	500,000	500,000	7" WC	1, 2, 3
POOL BOILER	1	500,000	500,000	7" WC	1, 2, 3
TOTAL NEW LOAD			6,600,000		

NOTES:
1. MODIFICATIONS TO GAS METER AND/OR SERVICE PIPING SHALL BE PERFORMED BY THE GAS COMPANY. SUBMIT REQUIRED GAS SERVICE APPLICATION TO GAS COMPANY IN A TIMELY MANNER TO MEET THE CONSTRUCTION SCHEDULE.
2. FARTHEST CONNECTED DEVICE DISTANCE BASED ON 70' R/W.
3. PIPE SIZING BASED ON PRESSURE AT METER OUTLET OF 0.5 PSIG. CONTRACTOR TO FIELD VERIFY OUTLET PRESSURE PRIOR TO STARTING WORK.

INTERCEPTOR SCHEDULE

SYMBOL	SERVICE	MODEL	MATERIAL	LENGTH	WIDTH	HEIGHT	VOLUME (GAL)	DRY WEIGHT (LBS)	NOTES
ISO-1	SAND AND OIL	#P750-EE-90	CONCRETE	6'-11"	4'-0"	7'-0"	750		1, 2

NOTES:
1. EQUIPMENT SCHEDULE BASED ON JENSEN
2. REFER TO DIAGRAMS FOR COMPLETE DIMENSIONS

PLUMBING GENERAL NOTES

- IF MANUFACTURER MATERIAL OR EQUIPMENT IS LISTED IN SCHEDULES OR ON DRAWINGS, THEY ARE TYPES TO BE PROVIDED FOR ESTABLISHMENT OF SIZE, CAPACITY, GRADE AND QUALITY. IF OTHER ACCEPTABLE MANUFACTURERS ARE USED, COST OF ANY CHANGE IN CONSTRUCTION REQUIRED BY THEIR USE SHALL BE BORNE BY CONTRACTOR.
- EQUIPMENT SHALL CONFORM TO ENERGY CONSERVATION CODE OR STANDARDS.
- WORK SHALL COMPLY WITH RULES AND REGULATIONS OF LOCAL UTILITY COMPANIES INCLUDE COST OF VALVES, VALVE BOXES, METER BOXES, METERS, ACCESSORY EQUIPMENT REQUIRED FOR PROJECT.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO RESULT IN A COMPLETE PLUMBING INSTALLATION IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.
- DRAWINGS ARE DIAGRAMMATIC IN CHARACTER AND DO NOT NECESSARILY INDICATE EVERY REQUIRED PIPE, OFFSET, TRANSITION, ETC. ITEMS NOT SPECIFICALLY MENTIONED IN THE SPECIFICATION OR NOTED ON THE DRAWINGS, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.
- DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WHATEVER IS CALLED FOR IN EITHER IS BINDING AS THOUGH CALLED FOR IN BOTH. IF THERE IS A CONFLICT IN THE CONTRACT DOCUMENTS, THE MORE DEMANDING AND COSTLY REQUIREMENTS SHALL BE SELECTED FOR BIDDING PURPOSES. THE CONTRACTOR SHALL IMMEDIATELY PRESENT THE CONFLICT FOUND IN THE CONTRACT DOCUMENTS TO THE ARCHITECT ENGINEER FOR RESOLUTION.
- DRAWINGS SHALL NOT BE SCALED FOR ROUGH-IN MEASUREMENTS OR USED AS SHOP DRAWINGS. WHERE DRAWINGS ARE REQUIRED FOR THESE PURPOSES OR HAVE TO BE MADE FROM FIELD MEASUREMENTS, TAKE THE NECESSARY MEASUREMENTS AND PREPARE THE DRAWINGS.
- BEFORE ANY WORK IS INSTALLED, DETERMINE THAT EQUIPMENT WILL PROPERLY FIT THE SPACE. THAT REQUIRED CLEARANCES CAN BE MAINTAINED AND THAT EQUIPMENT CAN BE LOCATED WITHOUT INTERFERENCES BETWEEN SYSTEMS, WITH STRUCTURAL ELEMENTS, OR WITH THE WORK OF OTHER TRADES.
- IF CONFLICTS ARE DISCOVERED IN CONTRACT DOCUMENTS, SUBMIT A SET OF DRAWINGS MARKED WITH PENCIL SHOWING RECOMMENDED MODIFICATIONS TO THE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE ROUGH-IN REQUIREMENTS WITH OWNER SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN. ENSURE ALL EQUIPMENT CONNECTIONS ARE PROVIDED FOR AND THAT THE INSTALLATION WILL MEET ALL LOCAL AND NATIONAL CODE REQUIREMENTS.
- CONFERENCE COOPERATE AND COORDINATE WITH OTHER TRADES. COORDINATE CEILING SPACE CAREFULLY WITH ALL TRADES, IN EVENT OF CONFLICT, INSTALL MECHANICAL AND ELECTRICAL SYSTEMS WITHIN CAVITY SPACE.
- ARRANGE AND PAY FOR ALL INSPECTIONS, PERMITS, LICENSES, CERTIFICATES, AND FEES REQUIRED IN CONNECTION WITH WORK.
- SUBMITTALS SHALL INCLUDE CATALOG CUT-SHEETS AND MANUFACTURER'S DATA SHEETS.
- PRIOR TO ORDERING EQUIPMENT OR BEGINNING INSTALLATION, ASSEMBLE, PREPARE, AND FURNISH SUBMITTALS AND SHOP DRAWINGS REQUIRED FOR PROJECT. FURNISH SUBMITTALS AND SHOP DRAWINGS AS REQUIRED BY INDIVIDUAL SECTIONS OF SPECIFICATIONS.
- CONTRACTOR SHALL THOROUGHLY CHECK SUBCONTRACTOR'S OR VENDORS' SUBMITTALS AND SHOP DRAWINGS AND, AFTER APPROVING THEM, SUBMIT THEM FOR REVIEW. SUBMITTALS AND SHOP DRAWINGS THAT DO NOT BEAR CONTRACTOR'S REVIEW STAMP WILL BE RETURNED NOT REVIEWED.
- IF DISCREPANCIES BETWEEN SUBMITTALS, SHOP DRAWINGS, AND SHOP DRAWINGS ARE REVIEWED, REQUIREMENTS OF CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. SUBMITTALS AND SHOP DRAWINGS WHICH ARE SUBMITTED, BUT WHICH ARE NOT REQUIRED BY CONTRACT DOCUMENTS, WILL BE RETURNED NOT REVIEWED.
- KEEP IN CONTACT DURING ENTIRE PERIOD OF CONSTRUCTION, A CURRENT SET OF DOCUMENTS INDICATING CHANGES THAT HAVE BEEN MADE TO THE CONTRACT DOCUMENTS.
- ON COMPLETION OF WORK, SUBMIT THE COMPLETE SET OF RECORD DOCUMENTS TO THE ARCHITECT.
- PROTECT MATERIALS AND EQUIPMENT FROM PHYSICAL DAMAGE, CONSTRUCTION DIRT, AND THE ELEMENTS FROM TIME OF SHIPMENT TO TIME INSTALLATION IS ACCEPTED BY OWNER.
- GUARANTEE MATERIALS, WORKMANSHIP, AND OPERATION OF EQUIPMENT INSTALLED FOR PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF ENTIRE WORK. REPAIR OR REPLACE ANY PART OF WORK WHICH SHOWS DEFECT DURING THAT TIME.
- BE RESPONSIBLE FOR DAMAGE TO PROPERTY OF OWNER OR TO WORK OF OTHER CONTRACTORS DURING CONSTRUCTION AND GUARANTEE PERIOD.
- FURNISH EQUIPMENT WARRANTIES TO OWNER.
- DO NOT COVER UP OR ENCLOSE WORK UNTIL INSPECTED, TESTED, AND APPROVED. ANY WORK ENCLOSED OR COVERED UP BEFORE SUCH APPROVAL SHALL BE UNCOVERED, TESTED, AND APPROVED.
- FURNISH HIGHEST STEEL ACCESS DOORS WITH CONCEALED LATCH, WHETHER SHOWN OR NOT, IN WALLS AND PLASTER OR GYPSUM BOARD CEILINGS FOR ACCESS TO CONCEALED VALVES, SHOCK ARRESTERS, AIR VENTS, MOTORS, FANS, BALANCING VALVES, OR OTHER OPERATING DEVICES REQUIRING ADJUSTMENT OR SERVICE.
- ACCESS DOOR SHALL BE SIZE OF EQUIPMENT TO BE REMOVED OR 24" BY 24" IF USED FOR SERVICE ONLY.
- APPEARANCE OF WORK SHALL BE OF EQUAL IMPORTANCE TO ITS MECHANICAL OPERATION. LACK OF QUALITY WORKMANSHIP SHALL BE REASON FOR REJECTION OF SYSTEM IN PART OR IN WHOLE.
- INSTALL SO THAT ALL VALVES AND EQUIPMENT CAN BE EASILY ACCESSED AND SERVICED BY ADEQUATE CLEARANCE, INSTALLATION OF ACCESS DOORS, UNIONS IN PIPING, OR OTHER METHODS.
- COMPLETE INSTALLATION SHALL FUNCTION SMOOTHLY AND NOISELESSLY.
- INSTALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES OR REGULATIONS.
- FLUSH PIPES FREE OF FOREIGN SUBSTANCES BEFORE INSTALLING VALVES OR MAKING FINAL CONNECTIONS. CLEAN ALL PIPING AND EQUIPMENT.
- CLEAN INSULATION COVERING, PIPES, EQUIPMENT, AND ACCESSORIES TO RECEIVE PRIME COAT OF PAINT. CLEAN EQUIPMENT RECEIVED WITH PRIME COAT TO RECEIVE FINAL COAT.
- INSTRUCT OWNER IN OPERATION AND MAINTENANCE OF PLUMBING SYSTEMS. MINIMUM PARTICIPANTS SHALL INCLUDE PLUMBING CONTRACTOR AND CONTROLS CONTRACTOR REPRESENTATIVES.
- AFTER TESTS AND ADJUSTMENTS HAVE BEEN MADE AND SYSTEMS PRONOUNCED OPERATIONAL, CONTRACTOR SHALL REMAIN ON SITE FOR PERMANENT OPERATION, REPAIRS, DAMAGED FINISH AND LEAVE EVERYTHING IN PROPER WORKING ORDER AND APPEARANCE.
- ON COMPLETION OF WORK, REMOVE TOOLS, SCAFFOLDING, DEBRIS, ETC., FROM GROUNDS AND LEAVE PREMISES CLEAN.

BOOSTER PUMP SCHEDULE

SYMBOL	SERVICE	MODEL	SERIES	PUMP TYPE
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