TOILET PLUMBING FIXTURE SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	FIXTURE	BRANCH SIZES (MIN) CW	HW	WASTE	VENT	MANUFACTURER / CATALOG NUMBER OPTION #1	OPTION #2	OPTION #3	TRIM AND ACCESSORIES	NOTES
CC1	WATER CLOSET CARRIER DOUBLE HORIZONTAL			4"	2"	JOSAM 12694	WADE 310ND		ADJUSTABLE COATED CAST IRON SHORT BARREL 4" NO HUB FITTING WITH 2" NO HUB VENT, ABS EXTENSION WITH TEST CAP, CHROME PLATED HARDWARE, NEOPRENE FITTING AND FIXTURE GASKETS. AND HUSKY SD4000 COUPLINGS.	A
CC1H	WATER CLOSET CARRIER DOUBLE HORIZONTAL ACCESSIBLE			4"	2"	JOSAM 12694-35	WADE 310ND-H		ADJUSTABLE COATED CAST IRON SHORT BARREL 4" NO HUB FITTING WITH 2" NO HUB VENT, ABS EXTENSION WITH TEST CAP, CHROME PLATED HARDWARE, NEOPRENE FITTING AND FIXTURE GASKETS. AND HUSKY SD4000 COUPLINGS.	A
CC2	WATER CLOSET CARRIER SINGLE HORIZONTAL RIGHT			4"	2"	JOSAM 12684	WADE 310NR-UA		ADJUSTABLE COATED CAST IRON SHORT BARREL 4" NO HUB FITTING WITH 2" NO HUB VENT, FACTORY-TAPPED 2" NO HUB URINAL CONNECTION, ABS EXTENSION WITH TEST CAP. CHROME PLATED HARDWARE. NEOPRENE FITTING AND FIXTURE GASKETS, AND HUSKY SD4000 COUPLINGS. FLOW DIRECTION (RIGHT) IS FROM SEATED FIXTURE USER'S POINT OF REFERENCE	A
EWC2	ELECTRIC WATER COOLER (SPLIT-LEVEL)	1/2"		1 1/2"	1 1/4"	OASIS PG8ACSL	HALSEY TAYLOR HAC8FSBL-Q-ADA OR HAC8FSBLR-Q-ADA		STAINLESS STEEL TOP AND CABINET, FRONT AND SIDE PUSH BARS, MATCHING UPPER UNIT APRON, LEAD FREE. WATER SAVER BUBBLER WITH FLEXIBLE BUBBLER GUARD (FOR HALSEY TAYLOR - SMARTFLOW BUBBLER KIT), STOP. 3/8"x1/2" SS BRAIDED WATER SUPPLY, P-TRAP WITH CLEANOUT AND ESCUTCHEON. CARRIER: JOSAM 17560-WCBL, WADE 440-AM11	A, C
HB6	TOILET ROOM HOSE BIBB	3/4"				WOODFORD B24	ACORN 8151	BRADLEY 7910	POLISHED FINISH WITH STAINLESS STEEL OR CHROME HINGED BOX, INTEGRAL VACUUM BREAKER, AND LOOSE TEE KEY.	
L2	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	SLOAN SS-3003	TOTO LT307.4		FAUCET: TOTO TEL3LS-10 - 0.5 GPM SENSOR OPERATED SELF- GENERATING POWER SYSTEM, STANDARD SPOUT, 4" COVER PLATE, GRID STRAINER WITH TAILPIECE, P-TRAP WITH CLEANOUT. STOP VALVES, SS BRAIDED WATER SUPPLIES AND ESCUTCHEONS. CARRIER: JOSAM 17100, WADE W-520. LAVATORY ENCLOSURE: TRUEBRO LAV-SHIELD 2018 L2 ASSE 1070 THERMOSTATIC MIXING VALVE: ZURN ZW3870XLT	A, B
L25	LAVATORY 2-STATION WITH TRASH	1/2"	1/2"	1 1/2"	1 1/2"	LEVANTINA Q3302T			LEVANTINA: WALL MOUNTED, ONE-PIECE QUARTZIA DECK -DECK COLOR: SNOWFALL -BOWL: CHINA SHELL CH-6360 UNDERMOUNT 18"x13" CHINA BOWL (S) -BASE: ACORN STAINLESS STEEL APRON: AP-3, 3 BOWL; AP-1, 1 BOWL; AP-2, 2 BOWL -CONTINUOUS WASTE PIPING AND P-TRAP. -FAUCET: TOTO TEL145-D10E - 0.5 GPM SENSOR OPERATED SELF-GENERATING POWER SYSTEM. CHROME PLATED BRASS P-TRAP WITH CLEANOUT, GRID STRAINER WITH TAILPIECE. FOR L21/L23/L25: (2) STOP VALVES PER DECK, THERMOSTATIC MIXING VALVE KIT (TMV, HOSES & FITTINGS); SET TMV TO 105°F. FOR L20/L22/L24: (1) STOP VALVE, (1) 3/8"X1/2" SS BRAIDED WATER SUPPLY PER FAUCET; TMV NOT REQUIRED.	B
UC1	URINAL CARRIER					JOSAM 17560-UR	WADE 400,AM11		FLOOR MOUNTED WITH HANGER AND BEARING PLATES, WELDED FEET, ADJUSTABLE SUPPORTING RODS. STRUCTURAL UPRIGHTS. AND CHROME PLATED TRIM.	A
UR2	URINAL ACCESSIBLE	3/4"		2"	1 1/2"	ZURN Z5798	TOTO UT105U TEU1UA12#CP	SLOAN SU-1009-A	HIGH EFFICIENCY URINAL (HEU) SYSTEM: CHINA URINAL AND 0.125 GPF TURBINE OR BATTERY POWERED, WALL MOUNTED SENSOR OPERATED FLUSH VALVE WITH MANUAL OVERRIDE AND VANDAL RESISTANT SET SCREW ESCUTCHEON AND STOP CAP. CARRIER: UC1	E
WC3	WATER CLOSET (WALL MOUNT)	1 1/4"		4"	2"	TOTO CT708E	SLOAN ST-2059-A		FLUSH VALVE: TOTO TET1LA32#CP-W - 1.28 GPF SENSOR OPERATED SELF GENERATING POWER SYSTEM WITH MANUAL OVERRIDE AND VANDAL RESISTANT SET SCREW ESCUTCHEON AND STOP CAP. ELONGATED SEAT: BEMIS 1055SSC, MAINLINE ML1055SSC	
WC4	WATER CLOSET ACCESSIBLE (WALL MOUNT)	1 1/4"		4"	2"	TOTO CT708E	SLOAN ST-2059-A		FLUSH VALVE: TOTO TET1LA32#CP-W - 1.28 GPF SENSOR OPERATED SELF GENERATING POWER SYSTEM WITH MANUAL OVERRIDE AND VANDAL RESISTANT SET SCREW ESCUTCHEON AND STOP CAP. ELONGATED SEAT: BEMIS 1055SSC, MAINLINE ML1055SSC	D

GENERAL INFORMATION (ALL FIXTURES):
1. SUBSTITUTIONS NOT PERMITTED. REF SPECIFICATIONS FOR APPROVED MANUFACTURERS OF THE FOLLOWING TRIM AND ACCESSORIES:
-P-TRAP WITH CLEANOUT PLUG AND SINK CONTINUOUS WASTES: POLISHED CHROME-PLATED TUBULAR BRASS, 17 GAUGE WITH BRASS NUTS AND SLIP INSERTS.
-SS BRAIDED WATER SUPPLY: FLEXIBLE BRAIDED STAINLESS STEEL (SS) OUTER SHEATHING WITH REINFORCED PVC INNER TUBING.
-STOP VALVES: CHROME PLATED BRASS. QUARTER TURN ANGLE STOP VALVES.

NOTES:
A. INSTALL FURNISHED 1/2" X 3 3/4" STAINLESS STEEL SIMPSON WEDGE-ALL WEDGE ANCHORS FOR ALL FIXTURE CARRIERS
B. INSTALL FURNISHED THERMOSTATIC MIXING VALVE.
C. REFERENCE ARCHITECTURAL DRAWINGS FOR EWC2 ORIENTATION.
D. COORDINATE WATER ROUGH-IN HEIGHT FROM MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH GRAB BAR LOCATION. REF ARCH.
E. USE SAME MANUFACTURER FOR UR1 AND UR2.

WATER HEATERS / STORAGE TANKS

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	AREA SERVED	MANUFACTURER / MODEL NUMBER OPTION #1	OPTION #2	OPTION #3	TANK SIZE (GAL)	HEAT INPUT MBH	KW	ELECTRICAL V	PH	HZ	NOTES
WHG1 (ELEC)	GROCERY	A.O. SMITH MASTER-FIT BTR-198	RHEEM UNIVERSAL G100-200	BRADFORD WHITE MAGNUM D-100L-199-3N	100		45	120	1	60	A, B, C, D

EXPANSION TANKS

MARK	MANUFACTURER / MODEL OPTION #1	OPTION #2	OPTION #3	OPTION #4	DESCRIPTION
ETB	AMTROL ST-42V	FLEXCON WHV-75	WATTS DETA-42	WILKINS WXTP-75V	FIXED BLADDER TYPE EXPANSION TANK. 17.5 GALLON MINIMUM TOTAL CAPACITY, FACTORY STANDARD PRECHARGE CAPACITY.

RECIRCULATION PUMP

MARK	MANUFACTURER / MODEL OPTION #1	OPTION #2	OPTION #3	PUMP POWER W	HP	ELECTRICAL V	PH	HZ	GPM	HEAD (FT)	DESCRIPTION
P10	BELL & GOSSETT PL-30	GRUNDFOS UP26-96BF	ARMSTRONG ARMFLO E7.2B	0 ---	0.083	120	1	60	5	20	LEAD FREE BRONZE WET ROTOR INLINE CIRCULATOR PUMP WITH 1" FLANGED CONNECTIONS

GENERAL INFORMATION (ALL UNITS):
1. PROVIDE INCO-LOY HEATING ELEMENTS FOR ELECTRIC WATER HEATERS.
2. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE FOR ALL WATER HEATERS AND STORAGE TANKS.
3. PROVIDE VACUUM RELIEF VALVES FOR ALL BOTTOM-FED WATER HEATERS AND STORAGE TANKS.

NOTES:
A. INSTALL WATER HEATER ON HOUSEKEEPING PAD, REF ARCH.
B. PROVIDE EXPANSION TANK ETB.
C. 140 DEGREE FAHRENHEIT OUTLET TEMPERATURE.
D. RECOVERY RATE: 193 GPH AT 100°F RISE.

SPECIALTY PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER / CATALOG NUMBER OPTION #1	OPTION #2	OPTION #3	OPTION #4	OPTION #5	OPTION #6	OPTION #7	FIXTURE DESCRIPTION
WPG	WATER PRESSURE GAUGE	AMETEK 656	TRERICE D83LFSS2502BA050	WEISS INSTRUMENTS LF252					2.5 INCH STAINLESS STEEL CASE, ALL WET[illegible]ARTS STAINLESS STEEL, LIQUID FILLED, 1/4 INCH NPT CONNE[illegible] 1.6% ACCURACY, 30" HG VAC TO 100 PSI RANGE.
WHA	WATER HAMMER ARRESTOR	JOSAM SERIES 75000	PRECISION PLUMBING PRODUCTS STAINLESS STEEL #316 SERIES	WATTS SS SERIES	WILKINS MODEL 1250XL SERIES	JAY R. SMITH HYDROTROLS	SIOUX CHIEF HYDRA-RESTER	MIFAB MWH	LEAD FREE CONFO[illegible] TO PDI WH-201, ANSI A11[illegible], ASSE 1010.
---	DOUBLE-CHECK VALVE BACKFLOW PREVENTER	WATTS LF007QT OR LF709	BEECO FDC-LF	FEBCO LF850	WILKINS 350XL OR 950XLT2				LEAD FREE, INCLUDE TWO INDEPENDENT-ACTING CHECK VALVES, TWO SHUT-OFF VAVLES AND REQUIRED MEANS FOR TESTING FOR EACH ASSEMBLY. MINIMUM 175 PSI WORKING PRESSURE.
---	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS LF009QT OR LF909	BEECO FRP-LF	FEBCO LF860	WILKINS 375XL OR 975XL				LEAD FREE. PROVIDE STRAINER, SHUT-OFF VALVES AND TEST COCKS. [illegible] DRAIN LINE WITH AIR GAP ASSEMBLY TO RECEPTOR APPROVED BY AUTHORITY HAVING JURISDICTION. MINIMUM [illegible] PSI WORKING PRESSURE.
---	TRAP PRIMER (MULTIPLE TRAPS)	PRECISION PLUMBING PRODUCTS PRIME RITE OR OREGON #1	MIFAB M-500-NPB	JOSAM 88300	SIOUX CHIEF SERIES 695				LEAD FREE. PROVIDE ALL BRONZE PRIMER VALVE WITH REMOVABLE OPERATING PARTS, INTEGRAL VACUUM BREAKER, GASKETED ACCESS COVER, AND MULTIPLE TRAP CAPABILITY
---	TRAP PRIMER (SINGLE TRAP)	PRECISION PLUMBING PRODUCTS PRIME-RITE OR OREGON #1	SIOUX CHIEF 695						LEAD FREE. PROVIDE ALL BRONZE PRIMER VALVE WITH REMOVABLE OPERATING PARTS, INTEGRAL VACUUM BREAKER, AND GASKETED ACCESS COVER.
---	VALVES	RED-WHITE 5044AB OR 5049AB	APOLLO SERIES 70 LF	CRANE LF9210 SERIES	WATTS LFFBV-3C OR LFFBVS-3C	NIBCO FP-600-A-LF			LEAD FREE FULL PORT BRASS BALL VALVE WITH PLASTIC JACKETED LEVER TYPE HANDLE.

PLUMBING FIXTURE SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE ARE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO SPECIFICATIONS.

MARK	FIXTURE	BRANCH SIZES (MIN) CW	HW	WASTE	VENT	MANUFACTURER / CATALOG NUMBER OPTION #1	OPTION #2	OPTION #3	OPTION #4	DESCRIPTION, TRIM AND ACCESSORIES	NOTES
ETMV	EMERGENCY THERMOSTATIC MIXING VALVE					BRADLEY S19-2000		POWERS ES150-11		HEAVY CAST BRONZE BODY VALVE, ROUGH BRONZE FINISH, BIMETAL THERMOSTAT OR THERMAL MOTOR, INTEGRAL CHECK STOPS AND VANDAL RESISTANT LIMIT STOP SET AT 65° F. MINIMUM FLOW RATE 1.0 GPM.	
EW1	EYEWASH		1/2"	1 1/2"	1 1/4"	BRADLEY S19-224	SPEAKMAN SE-580	ENCON 01030401	GUARDIAN G1814P	WALL MOUNTED, GALVANIZED STEEL PIPE, CHROME PLATED BRASS VALVE. YELLOW PLASTIC BOWL WITH DUST COVER, 304 SS HANDLE. PROVIDE P-TRAP AND TAILPIECE WHERE APPLICABLE ON PLANS.	A
PRV	WATER PRESSURE REGULATOR					WATTS LF223	WILKINS 500XL			LEAD FREE BRONZE BODY VALVE WITH SHUT-OFF VALVES FOR SIZES UP TO 2 1/2". CAST IRON BODY FOR 3" AND ABOVE. MAXIMUM OPERATING PRESSURE OF 200 [illegible] CONFORM TO ASSE 1003.	
PVB2	PRESSURE VACUUM BREAKER					WATTS LF008PCQT				LEAD FREE HIGH-HAZARD ANTI-SIPHON, ANTI-SPILL VACUUM BREAKER AND INLET AND OUTLET SHUT-OFF VALVES. CONFORM TO ASSE 1056.	
S2	SINK (PHARMACY) 1-COMPARTMENT STAINLESS STEEL	1/2"	1/2"	2"	1 1/2"	DAYTON BY ELKAY D-12521	KOHLER K-3348			4 HOLES, 2.2 GPM FLOW RESTRICTOR AND AERATOR FAUCET LEAD FREE: ELKAY LK-1000, KOHLER K15071-P DRAIN: ELKAY LK-35, KOHLER K8801	C, D
S3	SINK (LOUNGE) 2-COMPARTMENT STAINLESS STEEL	1/2"	1/2"	2"	1 1/2"	ELKAY LRAD2918	JUST DL-ADA-1829-A			4 HOLES, DROP-IN STYLE, 2.2 GPM FLOW RESTRICTOR, AERATOR AND HOSE SPRAY, [illegible]1/2" MAXIMUM DEPTH FAUCET LEAD FREE: ELKAY LK-1001, JUST J901 DRAIN: ELKAY LK-35, JUST JB-99	C, [illegible]
SS1	SERVICE SINK (TERRAZZO) 24" x 24" x 12"	3/4"	3/4"	3"	2"	STERN-WILLIAMS SB-800	FIAT TSB-200	ACORN TSH-24-SSC-LB		CHROME PLATED FAUCET WITH INTEGRAL CHECK VALVES, HOSE, BRACKET (MOUNT DIRECTLY ABOVE WALL GUARD), MOP HANGER (60"AFF). FAUCET: CHICAGO 897-CP ([illegible]CARD STANDARD SUPPLY ARMS & CON[illegible] SUPPLY ARMS USING (2) 897[illegible]ERS), ZURN Z843M1-CS, T&S BRASS B-0665-BSTP W[illegible]NA CART[illegible] CHECKS HOSE/BRAC[illegible] WILLIAMS T-35, FIAT [illegible]-AA, ACORN KH36 MOP H[illegible]: STER[illegible]LLIAMS T-40, FIAT 889-CC, ACORN KMH	B
SS4	SERVICE SINK (TERRAZZO) 24" x 24" x 12" 6" DROP FRONT	3/4"	3/4"	3"	2"	STERN-WILLIAMS HL-1810-LB	FIAT TSB-3000	ACORN TDF-24-SSC-LB		CHR[illegible]ATED FAU[illegible] WITH INTEGRAL CHECK VALVES, HOSE, BRACKET (MOUNT DIRECT[illegible]BOVE WALL [illegible]RD), MO[illegible]GER (60"AFF), LINT BASKET, & S.S. CAP ON ALL SIDES FAUCET: C[illegible]GO 897-CP [illegible]D STANDARD SUPPLY ARMS & CONNECT (2) GCJKCP SUPPLY AR[illegible]SING (2) 89[illegible]20JKRCF ADAPTERS), ZURN Z843M1-CS. T&S BRASS [illegible]665-BSTP [illegible]ERNA CARTRIDGES & SPRING CHECKS [illegible]/BRACKE[illegible] WILLIAMS T-35. FIAT 832-AA, ACORN KH36 M[illegible]ANGER: S[illegible]N WILLIAMS T-40, FIAT 889-CC, ACORN KMH	B
TMV	THERMOSTATIC MIXING VALVE	3/4"	3/4"			LAWLER 570	LEON[illegible] [illegible]LF	[illegible]URN [illegible]70XLT		LEA[illegible] HEAVY CAST BRONZE BODY VALVE. ROUGH BRONZE FINISH. BIMETAL THE[illegible]TAT OR THERMAL MOTOR, INTEGRAL CHECK VALVES, LIMIT STOP SET AT 105°F UNLESS NOTED OTHERWISE. MINIMUM FLOW RATE 0.5 GPM. CONFORM TO ASSE [illegible]/1070.	

GENERAL INFORMATION (ALL FIXTURES):
1. SUBSTITUTIONS NOT PERMITTED. REF SPECIFICATIONS FOR APPROVED MANUFACTURERS OF THE FOLLOWING TRIM AND ACCESSORIES:
-P-TRAP WITH CLEANOUT PLUG AND SINK CONTINUOUS WASTES: POLISHED CHROME-PLATED TUBULAR BRASS, 17 GAUGE WITH BRASS NUTS AND SLIP INSERTS..
-SS BRAIDED WATER SUPPLY: FLEXIBLE BRAIDED STAINLESS STEEL (SS) OUTER SHEATHING WITH REINFORCED PVC INNER TUBING.
-STOP VALVES: CHROME PLATED BRASS, QUARTER TURN ANGLE STOP VALVES.

NOTES:
A. MOUNT EYEWASH 36" AFF TO TOP OF HEAD SPRAY. EYEWASH SUPPLIED WITH TEPID WATER.
B. INSTALL MOP SINK FAUCET AT 32" AFF AND LOCATE TWO MOP HANGER BRACKETS SIDE BY SIDE NEAR MOP SINK.
C. INSTALL FURNISHED TMV UNLESS SERVED WITH TEMPERED WATER OR NOTED OTHERWISE ON PLUMBING DRAWINGS. SET AT 120°F.
D. TRIM WITH OFFSET TAILPIECE. 5/8" ARMAFLEX INSULATION ON EXPOSED WATER SUPPLY AND DRAIN LINES. HOLD ALL EXPOSED PIPING HIGH AS POSSIBLE.
E. INSTALL FURNISHED 1/2" X [illegible] STAINLESS STEEL SIMPSON WEDGE-ALL WEDGE ANCHORS FOR ALL FIXTURE CARRIERS.
F. INSTALL FURNISHED ESCUTCHEON PLATE FOR 3-HOLE SINK AND LOCATE SINGLE-HANDLE FAUCET IN LEFT MOST FAUCET SINK HOLE.

DOMESTIC BOOSTER PUMP SCHEDULE

MARK	SERVICE	MANUFACTURER	MODEL	NUMBER OF PUMPS	TOTAL HP	VOLTS	PHASE	SYSTEM FLOW RATE (GPM)	HEAD (PSI)
P3	DOMESTIC BOOSTER	QUANTUMFLO	PROD[illegible] E2 200[illegible]	2	6	480	3	156	36

GENERAL INFORMATION:
1. [illegible] FURNISHED BY OWNER, INSTALLATION AND STARTUP BY CONTRACTOR.
2. SYSTEM SETPOINT PRESSURE: 60 PSI
3. PUMP SYSTEM: THIRD PARTY CERTIFIED QCZJ PACKAGED PUMPING STATION WITH PANEL MOUNTED VARIABLE FREQUENCY DRIVE, STAINLESS STEEL CENTRIFUGAL PUMPS, LOW SUCTION PRESSURE SWITCH AND DISCHARGE PRESSURE TRANSDUCER.
4. CONTROL PANEL: UL508A RATED CONTROLLER WITH NEMA1 ENCLOSURE AND FULL GASKET ON DOOR. 256 COLOR NEMA 4X 6" TOUCHSCREEN, AUTOMATIC NO-FLOW SHUT-OFF, ADJUSTABLE PRESSURE SET POINT, PUMP OPERATION AND FAULT STATUS, AUTOMATIC RESET.
5. MANUFACTURER'S CONTACT:
PRIMARY: T & S SYSTEM SALES, LLC
P.O. BOX 21, JACKSONVILLE, AR 72078
PH: 501-628-7704
TIM SOUTHERLAND
EMAIL: TIM@TSSALES.BID
SECONDARY: QUANTUMFLO, INC.
210 SPRINGVIEW COMMERCE DRIVE, BLDG. #150, DEBARY, FL 32713
PH: 386-753-9702 FAX: 386-753-9703
ROBERT MANN: ROBERT@QUANTUMFLO.COM

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
------SS------	SANITARY SEWER	------CD------	CONDENSATE DRAIN	(M)	WATER/FLOW METER
------GW------	GREASE WASTE	-RO-S-/-RO-D-	REVERSE OSMOSIS WATER (STORE/DISPENSER)	(WHA)	WATER HAMMER ARRESTOR
------OW------	OIL WASTE		PLUMBING VENT		T & P RELIEF VALVE
------ST------	STORM SEWER		UNION	(TMV)	THERMOSTATIC MIXING VALVE
	SIPHONIC ROOF DRAIN LINE		GAS PRESSURE REGULATOR	(FD1)	FLOOR DRAIN
-ST-/-OST-	GRAVITY ROOF DRAIN (PRIMARY/OVERFLOW)		ELBOW - TURNED DOWN	(FS1)	FLOOR SINK
	DOMESTIC COLD WATER		ELBOW - TURNED UP	(BWV)	BACKWATER VALVE
	DOMESTIC HOT WATER		TEE - TURNED DOWN	(RD3)	ROOF DRAIN
	DOMESTIC HOT WATER RETURN		TEE - TURNED UP	(FCO)	FLOOR CLEANOUT
------IW------	IRRIGATION WATER		BALL VALVE	(YCO)	YARD CLEANOUT
------HWR------	HOT WATER RETURN		CHECK VALVE	(FPWH)	FREEZE PROOF WALL HYDRANT
------F------	FILTERED WATER		SHUT-OFF VALVE IN VERTICAL LINE	(HB)	HOSE BIBB
------G------	NATURAL GAS		WATER PRESSURE REGULATOR	(WC)/(CO)	WALL CLEANOUT/CLEANOUT
------A------	COMPRESSED AIR		BACKFLOW PREVENTER	3" VTR	VENT THRU ROOF

GROCERY PLUMBING EQUIPMENT CONNECTION SCHEDULE

MARK	FIXTURE	BRANCH SIZES (MINIMUM) RO	CW	HW	WASTE	VENT	ROUGH-IN REQUIREMENTS	NOTES
B079E	RACK OVEN	[illegible]			3/4"		RO WATER: 8'-4" AFF	A, E, M
D065	STACKED COMBI OVEN		3/4"		2"		WATER: 44" AFF & 72" AFF; WASTE: PROVIDE 2 CONNECTIONS	A, E, L
MG010	[illegible]PMENT		[illegible]"				WATER: 72" AFF	A, E, G, L
MG011	RO D[illegible]NSER	3/4"			[illegible]/2"		RO WATER: 18" AFF	A, E, G, J
M[illegible]8	WASTE [illegible]KING OIL TANK					2"	OUTLET: 2" PIPE	
[illegible]	ICE BAG[illegible] MACHINE		3/4"		3/4"		WATER: 56" AFF (PROVIDE TWO VALVED 1/2" CONNECTIONS)	A, E, K, L
MG[illegible]	ICEE MACH[illegible]						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	U
MG042	COFFEE BREW[illegible]						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	U
MG045	[illegible]PPUCCINO						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	U
[illegible]056	F[illegible]N DRINK BLENDER						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	U
[illegible]66	BEV[illegible]GE DISPENSER						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	E, T, U
[illegible]095	ICE TEA DISPENSER						SEE NOTES FOR ROUGH-IN AND CONNECTION INFORMATION	U
[illegible]P007	PRODUCE MISTING SYSTEM	3/4"					RO WATER: 84" AFF	A, H, M
SS004	WALL MOUNTED HAND SINK		1/2"	1/2"	1 1/2"	1 1/4"	WATER: 18" AFF; WASTE: 18" AFF	B, C, F, N, O
SS021	3-COMPARTMENT SINK		3/4"	3/4"	3"	1 1/2"	WATER: 12" AFF; WASTE: 12" AFF	B, C, D, F, R, S

GENERAL INFORMATION (ALL EQUIPMENT):
1. EQUIPMENT AND TRIM FURNISHED BY OWNER. ROUGH-IN AND FINAL CONNECTIONS BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.

NOTES:
A. PROVIDE SHUT-OFF VALVES.
B. PROVIDE P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON.
C. PROVIDE CHROME PLATED ANGLE SUPPLY, FLEXIBLE RISER, AND WHEEL HANDLE WITH ESCUTCHEON.
D. SINK FAUCETS PROVIDED WITH INTEGRAL CHECK VALVES.
E. PROVIDE FULL-SIZE DRAIN LINE FROM EQUIPMENT, END OPEN OVER RECEPTOR WITH 2" AIR GAP.
F. IF PLUMBING PLAN AND RISER SHOWS THE SINK INDIRECTLY CONNECTED TO FLOOR SINK, THEN WASTE ROUGH-IN HEIGHT AND VENT SIZE AND NOTE B DO NOT APPLY.
G. RO VENDOR SHALL BE RESPONSIBLE FOR LOCATIONS OF DRINK DISPENSER AND WATER FILTRATION EQUIPMENT AND ALL FINAL CONNECTIONS.
H. REFRIGERATION CONTRACTOR TO INSTALL MISTING SYSTEM. SUPPLY SIDE ROUGH-IN AND FINAL CONNECTION BY PLUMBING CONTRACTOR.
I. PROVIDE 1 1/2" P-TRAP AT 12"AFF WITH 1 1/2" TO 3/4" REDUCER FOR CONNECTION TO RO WATER DISPENSER DRAIN.
J. PROVIDE 3/4" I.D. FEMALE FITTING AND SHUT-OFF FOR RO DISPENSER WATER CONNECTION AT 18"AFF.
K. PLUMBING CONTRACTOR SHALL PROVIDE INLINE FILTER PER MANUFACTURER'S RECOMMENDATIONS.
L. PROVIDE DOUBLE CHECK BACKFLOW PREVENTER ON WATER SUPPLY. PROVIDE FEMALE NPT VALVE DOWNSTREAM OF BACKFLOW PREVENTER FOR CONNECTION BY OTHERS.
M. PROVIDE STAINLESS STEEL DOUBLE CHECK BACKFLOW PREVENTER ON RO WATER SUPPLY. PROVIDE PEX TUBING ON DOWNSTREAM SIDE OF BACKFLOW PREVENTER.
N. INSTALL THERMOSTATIC MIXING VALVE FURNISHED WITH SINK WITH HARD-PIPED CONNECTIONS TO ANGLE STOPS AND FLEXIBLE CONNECTIONS BETWEEN THERMOSTATIC MIXING VALVE, FOOT PEDAL (PEDESTAL HAND SINK) OR KNEE LEVER (WALL MOUNTED HAND SINK) OR WRIST BLADE LEVERS (ADA WALL MOUNTED HAND SINK) AND SINK. SET AT 105°F.
O. REFER TO ARCHITECTURAL DRAWINGS FOR HAND SINK LEFT (L) AND RIGHT (R) DESIGNATIONS WHICH INDICATE INTEGRAL SPLASHGUARD LOCATIONS OR HAND SINK (H) FOR ADA DESIGNATION.
P. PROVIDE 36" FLEXIBLE GAS CONNECTION.
Q. PROVIDE 48" FLEXIBLE GAS CONNECTION WITH QUICK DISCONNECT AND UPSTREAM GAS SHUT-OFF VALVE. FLEX LINE SIZE SHALL MATCH LINE SIZE SHOWN ON PLAN.
R. INSTALL 1.2 GPM SPRAY HEAD ON PRE-RINSE SPRAYER FURNISHED BY FIXTURE MANUFACTURER. PLUMBING CONTRACTOR SHALL FURNISH ORIGINAL SPRAY HEAD TO OWNER.
S. ATTACH SINK TO WALL WITH CONTRACTOR-PROVIDED STAINLESS STEEL SLOTTED ROUND HEAD FASTENERS OR SHEET METAL SCREWS INSTALLED THROUGH HOLES DRILLED BY CONTRACTOR THROUGH TOP FLANGE OF SINK BACKSPLASH. FOR FRAMED WALLS, USE TWO EVENLY SPACED FASTENERS FOR PREP SINKS AND THREE EVENLY SPACED FASTENERS FOR 3-COMPARTMENT SINKS TO WALL STUDS. FOR SINKS INSTALLED ON COOLER PANEL WALLS, ATTACH SINKS TO COOLER PANEL OUTER SHEET METAL WITH SCREWS AT 12" CENTERS ALONG BACKSPLASH.
T. EQUIPMENT FURNISHED WITH INTEGRAL BACKFLOW PREVENTER FOR CARBONATED WATER LINE.
U. FILTERED WATER PIPING TO EQUIPMENT IS FURNISHED UNDER SEPARATE CONTRACT.

FLOOR DRAIN SCHEDULE

ALL PRODUCTS ON THIS SCHEDULE (EXCEPT FD2 HUB DRAINS) ARE FURNISHED BY OWNER AND INSTALLED BY CONTACTOR. REFER TO SPECIFICATIONS.

MARK	DESCRIPTION	MANUFACTURER / MODEL NUMBER OPTION #1	OPTION #2	OPTION #3
FD2	HUB DRAIN SAME AS SANITARY WASTE PIPING MATERIAL UNLESS NOTED OTHERWISE ON PLANS			
FD3	LIGHT DUTY PVC WITH 9" DIAMETER LOOSE SET PVC HALF GRATE	SIOUX CHIEF 860		
FD4	LIGHT DUTY ADJUSTABLE PVC WITH THREADED ADAPTER AND 6" SQUARE NICKEL BRONZE RING AND FASTENED GRATE	SIOUX CHIEF 842	JOSAM VEF 400J	OATEY 72000
FD5	POLYPROPYLENE OR HDPE TRENCH DRAIN WITH HEAVY DUTY SLOTTED GALVANIZED STEEL GRATE AND FRAME ASSEMBLY. PROVIDE CATCH BASIN WHERE INDICATED ON PLAN. MODEL# : TRENCH/GRATE/CATCH BASIN	SMITH/ACO 9931/9870-425-GHD/9936	ZURN Z886-HD/RFG/Z-887-HD	
FD10	HEAVY DUTY STAINLESS STEEL (SS) WITH SLAB ANCHOR, 8.5" MIN. DIAMETER SS GRATE WITH TWO 1" DIAMETER CENTRAL LIFTING HOLES 3" APART, SCH 40 OUTLET. AND SS SEDIMENT BUCKET WITH HANDLE AND SIDE AND BOTTOM DRAIN HOLES. DRAIN INTERIOR, GRATE AND BUCKET SHALL HAVE SMOOTH BEAD BLASTED FINISH WITH NO VISIBLE INTERNAL WELDS OR SEAMS. ENTIRE DRAIN INTERIOR SHALL BE VISIBLE FOR INSPECTION.	SIOUX CHIEF 860-4SS	KUSEL KEW	STAINLESSDRAINS.COM SD12WSCH40
FD11	HEAVY DUTY PVC WITH CAST IRON 9" DIAMETER LOOSE SET RING AND GRATE AND SLOTTED PVC SEDIMENT BUCKET.	SIOUX CHIEF 860		
FS1	LIGHT DUTY. ACID RESISTANT, WHITE PVC FLOOR SINK WITH 12" SQUARE WHITE PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE. REF PLANS FOR LOCATIONS WHERE FULL GRATES ARE SPECIFIED.	SIOUX CHIEF 861		

ROOF DRAIN SCHEDULE

MARK	DESCRIPTION	MANUFACTURER / MODEL NUMBER OPTION #1	OPTION #2	OPTION #3	OPTION #4	OPTION #5
CR	PVC SCHEDULE 40 DWV CONCENTRIC REDUCER COUPLING; REF PLANS FOR INLET AND OUTLET SIZES	PLASTIC TRENDS D60 SERIES	GPK 309 CONCENTRIC SERIES			
RD3	SIPHONIC ROOF DRAIN WITH EPOXY COATED CAST IRON BODY, UNDERDECK CLAMP, MEMBRANE CLAMP DEVICE AND AIR BAFFLE/INDUCER, 304 STAINLESS STEEL HARDWARE AND NO-HUB BOTTOM OUTLET.	MIFAB HYDROMAX MH-300 (3") MH-400 (4") MH-500 (5") MH-600 (6")				

CLEANOUT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER / MODEL NUMBER OPTION #1	OPTION #2	OPTION #3	OPTION #4	OPTION #5	OPTION #6	OPTION #7
CO	THREADED, COUNTERSUNK BRONZE OR POLYPROPYLENE CLEANOUT PLUG.	ZURN Z1470	SIOUX CHIEF 873	MIFAB C1430	JAY R. SMITH 4472T	JOSAM 58540	WATTS CO-590-RD	WADE 8590
FCO1	CAST IRON OR PVC BODY. ROUND EXTRA HEAVY-DUTY CAST OR DUCTILE IRON TOP, POLYPROPYLENE OR ABS PLUG, ADJUSTABLE TO FINISH SURFACE.	ZURN Z1400	SIOUX CHIEF 852	MIFAB C1100	JAY R. SMITH 4231	JOSAM 55000	WATTS CO-200-RX-4	WADE 6000Z
WCO	THREADED, COUNTERSUNK BRONZE OR POLYPROPYLENE CLEANOUT PLUG. (PROVIDE DRILLED TAP FOR CENTER SCREW AND STAINLESS STEEL COVER FOR FINISHED AREAS.)	ZURN Z1470 (Z1469)	SIOUX CHIEF 873	MIFAB C1430	JAY R. SMITH 4472T	JOSAM 58540 (58600)	WATTS CO-590-RD	WADE 8590 (8480R)
YCO	CAST IRON FERRULE AND PLUG, DURA-COATED CAST IRON, DOUBLE-FLANGED HOUSING, AND EXTRA HEAVY DUTY SCORIATED CAST IRON COVER WITH LIFTING DEVICE. VANDAL-PROOF SCREWS.	WADE W-6000 / W-8300-MF	WATTS CO-300-MF / CO-380	JOSAM 58850	JAY R. SMITH 4250	MIFAB C1230 / C1300-MF	ZURN Z1449 / Z1474	

HOSE BIBB AND HYDRANT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER / MODEL NUMBER OPTION #1	OPTION #2	OPTION #3	OPTION #4	OPTION #5	OPTION #6	OPTION #7
FPWH1	3/4" COLD WATER FREEZE PROOF WALL HYDRANT WITH BRASS HINGED BOX, INTEGRAL VACUUM BREAKER, AND LOOSE TEE KEY.	WOODFORD B65	JOSAM 71000	WADE 8600, 175	PRIER C-634BX	ZURN Z1320	JR SMITH 5509QT	
HB2	3/4" COLD WATER BRASS FINISH HOSE BIBB WITH INTEGRAL VACUUM BREAKER AND METAL WHEEL HANDLE. MOUNT 42"AFF (UNLESS NOTED OTHERWISE).	WOODFORD 24	ACORN 8121	PRIER C-155				
HB4	3/4" HOT WATER BRASS FINISH HOSE BIBB WITH INTEGRAL VACUUM BREAKER AND LOOSE TEE KEY.	WOODFORD 24	ACORN 8121	PRIER C-255				

GENERAL INFORMATION (AS APPLICABLE):
1. REFER TO PLANS FOR DRAIN OUTLET SIZE.
2. LOAD CLASSIFICATIONS: LIGHT DUTY <2000 LBS, MEDIUM DUTY 2000 TO 4999 LBS, HEAVY DUTY 5000 TO 7499 LBS, EXTRA HEAVY DUTY 7500 TO 9999 LBS.

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