PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE INFORMATION: FIXTURE SERVICE	DESCRIPTION	MAKE & MODEL NUMBERS	ADA COMPLIANT	CONNECTION SIZES: COLD WATER ROUGH IN SIZE	HOT WATER ROUGH IN SIZE	TRAP SIZE	VENT	PRECOORDINATED WITH ARCHITECT & OWNER. SUBSTITUTION REQUEST REQUIRED	ACCESSORIES & REMARKS
WC-1	WATER CLOSET	FLOOR MOUNT, VITREOUS CHINA, GRAVITY TANK, 1.28 GPF. 12" ROUGH IN. LEFT OR RIGHT HANDLE. REVIEW ARCHITECTURAL PLANS FOR PROPER ORIENTATION. 17" ADA COMPLIANT RIM HEIGHT	FIXTURE: SLOAN WETS-4029.4010/4029.4110	YES	1/2"	NONE	3"	2"	NO	SEAT: BEMIS 1560SLOW. WHITE, CLOSED FRONT AND COVER SUPPLY: BRASS CRAFT, 1/2" X 3/8" MULTI-TURN ANGLE STOP, STAINLESS STEEEL BRAIDED LINE.
L-1	LAVATORY	WALL HUNG, VITREOUS CHINA WHITE BASIN WITH ADA SHROUD. POLISHED CHROME, .5 GPM WIDE SPREAD FAUCET. WATER SENSE CERTIFIED	FIXTURE: SLOAN MODERN LIFE K-77768-8 FAUCET: SLOAN HINT K-97093-4	YES	1/2"	1/2"	1-1/4"	2"	NO	SUPPORT: ZURN Z1231EZ SERIES. SIZE AND ORIENTATION VARIES DRAIN: DEERBORN BRASS, CAST P-TRAP. GRID STRAINER [OPTION; PROVIDE WITH BRANCH TAIL-PIECE FOR CONDENSATE DRAIN. REFER TO MECHANICAL DRAWINGS. SUPPLY: BRASS CRAFT, 1/2" X 3/8" MULTI-TURN ANGLE STOP, STAINLESS STEEEL BRAIDED LINE. ACCESSORIES: TMV-1, TC-1 REFER TO ACCESSORIES SCHEDULE
SH-1	SHOWER	TILE FINISH, SCHLUTER SYSTEM. 1.75 GPM WITH INTEGRATED TEMPERATURE LIMIT STOP. VALVE MOUNTED AT ADA COMPLIANT HEIGHT. REFER TO ARCHITECT FOR SHOWER FINISH, GRAB BARS, SEAT, AND OTHER ADA COMPOLIANT MATERIALS.	INTALL AND FINISH: BY ARCHITECT FAUCET: MOEN HALLE 8290SRN	YES	1/2"	1/2"	1-1/2"	2"	NO	REFER TO ARCHITECTRUAL DOCUMENTATION FOR SHELVING, GRAB BARS, DOORS, ETC.
S-1	EXAM SINK	EXAM SINK, 17" X 16" X 5.5", STAINLESS STEEL DROP IN BASIN WITH 17.1 GPM, POLISHED CHROME PLATED BRASS, DECK MOUNT, CENTER SET, LAMINAR FLOW, 5.75" GOOSE NECK, WRIST BLADE HANDLE FAUCET.	BASIN: JUST MFG SLADA1617A55-J FAUCET: T&S BRASS B-0892-133X	NO	1/2"	1/2"	1-1/4"	2"	NO	DRAIN: DEERBORN BRASS CAST P-TRAP AND PERFORATED GRID STRAINER. SUPPLY: BRASS CRAFT, 1/2" X 3/8" MULTI-TURN ANGLE STOP, STAINLESS STEEEL BRAIDED LINES
S-2	BREAK SINK	BREAK SINK, 33" X 22" X 7-5/8", STAINLESS STEEL DROP IN BASIN WITH 1.5 GPM, STAINLESS STEEL, DECK MOUNT, LESS PLATE, SINGLE HOLE, PULL OUT SPRAYER, SINGLE HANDLE FAUCET	BASIN: JUST MFG SL2233A-J FAUCET: ELKAY LK5000LS	YES	1/2"	1/2"	1-1/4"	2"	NO	DRAIN: DEERBORN BRASS CAST P-TRAP AND PERFORATED GRID STRAINER. SUPPLY: BRASS CRAFT, 1/2" X 3/8" MULTI-TURN ANGLE STOP, STAINLESS STEEEL BRAIDED LINES ACCESSORIES: PROVIDE WITH FWD-1
WH-1	WALL HYDRANT	WALL HYDRANT, FREEZE RESISTANT, SINGLE TEMP. EXPOSED, KEYED VALVE. AUTOMATIC DRAINING, EVEN IF HOSE IS ATTACHED. NIDEL 50HA DOUBLE CHECK BACKFLOW PREVENTER.. HARDENED STAINLESS STEEL OPERATING STEM. CHROME PLATED RED BRASS BOX AND DOOR	FAUCET: WOODFORD MFG MODEL B67	N/A	1/2"	NONE	NONE	NONE	NO	
MS-1	MOP SINK	WALL MOUNT, 24" X 24" X 10", SQUARE, STAINLESS STEELBASIN. WALL MOUNT, 12.96 GPM SERVICE SINK FAUCET WITH 8" CENTERS, BUCKET HANGER AND SUPPORT, AND INTEGRATED VACUUM BREAKER.	BASIN: ACORN 1630 FAUCET: T&S BRASS B-0665-BSTR	N/A	1/2"	1/2"	3"	2"	NO	REFER TO ARCHITECTURAL DOCUMENTS FOR ACCESSORIES
US-1	UTILITY SINK	FREE STANDING STAINLESS STEEL UTILITY SINK WITH DRAIN BOARD. STAINLESS STEEL 36"X24"X14" BOWL WITH 24" DRAIN BOARD. INCLUDES 12" SWING, 2GPM FAUCET.	BASIN:STELTON 522US13624K	NO	1/2"	1/2"	1-1/"4"	2"	NO	
DF-1	DRINKING FOUNTAIN	BI-LEVEL, FILTERED, NON-CHILLED, WITH BOTTLE FILLER	FIXTURE: ELKAY LZSTLDDWSLK	YES	1/2"	NONE	1-1/4"	2"	NO	DRAIN: DEERBORN BRASS CAST P-TRAP. ORIENTED IN WALL. NOTES: REFER TO MFG. O&M MANUAL FOR INSTALLATION.
WB-1	WASHER BOX	WASHER SUPPLY BOX, INTEGRATED DRAIN, WITH INTEGRATED WATER HAMMER ARRESTOR. SURFACE MOUNTED	NON FIRE RATED: OATEY MODA FIRE RATED: OATEY MODA FIRE-RATED	N/A	1/2"	1/2"	1-1/2"	2"	NO	
FD-1	FLOOR DRAIN	5-1/2" ROUND STAINLESS STEEL GRID STRAINER, HEEL PROOF	FIXTURE: SIOUX CHIEF FINISH LINE SERIES MODEL NUMBER VARIES ALTERNATE: WOOD APPLICATION, SIOUX CHIEF HALO SERIES	N/A	NONE	NONE	VARIES. REFER TO PLAN	VARIES. REFER TO PLAN	NO	
FCO	FLOOR CLEAN OUT	FOR CONCRETE DECKS, FLUSH FINISH, 6-1/2" ROUND NICKLE BRONZE COVER, PRESS JOINT CONNECTION	FIXTURE: SOUIX CHIEF FINISH LINE SERIES	N/A	NONE	NONE	VARIES. REFER TO PLAN	NONE	NO	

REMARKS: REFER TO INTERIOR DESIGN DOCUMENTATION FOR NOTED FIXTURES. REFER TO ACCESSORIES & REMARKS SECTION FOR ADDITIONAL INFORMATION NOT LISTED BY INTERIORS. WHERE DISCREPANCIES BETWEEN PLUMBING DOCUMENTS AND INTERIOR DOCUMENTS OCCUR, THE INTERIOR DESIGN/ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENT.

EXPANSION TANK SCHEDULE

MARK	EQUIPMENT INFORMATION: MAKE	MODEL NUMBER	VOLUME CHARACTERISTICS: TANK VOLUME (GPM)	MAX OPERATING PRESSURE (PSI)	SYSTEM CONNECTION	SPACE / WEIGHT CHARACTERISTICS: HEIGHT	DIAMETER	OPERATING WEIGHT (LBS.)
ET-1	AMTROL	ST-30-VC	14	250	3/4"	19	16	96

GAS WATER HEATER SCHEDULE

MARK	EQUIPMENT INFORMATION: MAKE	MODEL NUMBER	SERVICE	HEATING CHARACTERISTICS: RECOVERY (GPH @ F°)	DELTA REQUIRED (F°)	STORAGE (GALLONS)	CHARACTERISTICS: MBH	ENERGY EFFICIENCY
GWH-1	LOCHINVAR	SWR125N	ENTIRE BUILDING	145 @ 100°	83	65	125	0.96

NOTES
1. PROVIDE SERVICE CLEARANCES ON ALL SIDES AS PER MANUFACTURER'S RECOMMENDATIONS.
2.

MIXING VALVE SCHEDULE

MARK	EQUIPMENT INFORMATION: MAKE	MODEL NUMBER	VALVE CONTROL METHOD	FLOW CHARACTERISTICS: MIN. FLOW (GPM)	EST. DEMAND FLOW	MAX PRESSURE DROP	DIMENSIONS: VALVE CW/HW INLET SIZES (IN)	VALVE HWR INLET SIZE (IN)	VALVE MIXED OUTLET SIZE (IN)	TEMPERATURES: INCOMING HW TEMP (°F)	OUTGOING MIXED HW TEMP (°F)
EMV-1	POWERS	INTELLISTAION LFIS100vl	ELECTRONIC	0.5	32	5	3/4"	3/4"	3/4"	140	120

NOTES
1. FACTORY ASSEMBLED AND TESTED COMPLETE PACKAGED SYSTEM INCLUDING:
   -HI-LOW MIXING VALVE WITH SEVEN YEAR WARRANTY
   -INLET CHECKSTOPS
   -GALVANIZED STRUT SUPPORT
   -INLET THERMOMETER
   -LOCKING TEMPERATURE REGULATOR HANDLES
   -ADJUSTABLE LIMIT STOPS
   -OUTLET BALL VALVE
   -FULL BYPASS PIPING FOR INDIVIDUAL VALVE REPAIR
   -SEE HWC-1 FOR HOT WATER CIRCULATING PUMP
   -RETURN LINE BALANCING VALVE
   -AQUASTAT
   -WIRING BOX
2. PROVIDE SERVICE CLEARANCES ON ALL SIDES AS PER MANUFACTURER'S RECOMMENDATIONS.

HOT WATER RECIRCULATION PUMP SCHEDULE

MARK	EQUIPMENT INFORMATION: MAKE	MODEL NUMBER	PUMP AFFINITY: SUCTION PRESSURE (PSI / FT. HEAD)	DISCHARGE (GPM)	DISCHARGE PRESSURE (PSI / FT.HEAD)	IMPELLER (RPM)	PUMP REDUNDENCY SPLIT	PUMP QUANTITY	PUMP POWER (HP)	ELECTRICAL CHARACTERISTICS: VOLTS	PHASE	FLA/LRA
CP-1	BELL AND GOSSETT	ECO CIRC 20-18	-	1	2.5 / 6	-	100	1	1/6	115	1	
CP-2	BELL AND GOSSETT	ECO CIRC 20-18	-	1	2.5 / 6	-	100	1	1/6	115	1	

PLUMBING ACCESSORY SCHEDULE

MARK	ACCESSORY INFORMATION: ACCESSORY	DESCRIPTION	MAKE & MODEL NUMBERS
ETP	TRAP PRIMER	ELECTRONIC TRAP PRIMER. PROVIDE DISTRIBUTION MANIFOLD AS REQUIRIED. PROVIDE AP-1	PRECISION PLUMBING PRODUCTS MPB-500-24V
FWD	FOOD WASTE DISPOSAL	1/2 HP UNDERSINK FOOD WASTE DISPOSER. PROVIDE WALL SWITCH. REFER TO ELECTRICAL DOCUMENTATION. 120V	IN-SINK-ERATOR BADGER 5
AP	ACCESS PANEL	STAINLESS STEEL ACCESS PANEL. 12" X 12" [OPTION: FIRE RATED]	PRECISION PLUMBING PRODUCTS D-1212SS [F-1212SS]
TC	TRAP COVER	ADA COMPLIANT TRAP AND WATER SUPPLY GUARD.	TRUEBRO LAV GUARD 2
WATER HAMMER ARRESTOR NOT INDICATED ON PLAN, REFER TO GENERAL NOTES		PISTON OPERATED, TYPE "L" COPPER BARREL WITH BRASS THREADED ADAPTOR. ALL JOINTS SHALL BE MADE WITH 95-5 LEAD FREE SOLDER. THE PISTON SHALL BE EQUIPPED WITH TWO (2) EPDM "O" RINGS TO PROVIDE A PERMANENT MECHANICAL BARRIER BETWEEN FLUID AND PRE-LOAD AIR CHARGE. ARRESTORS MAY BE INSTALLED AT ANY ANGLE. INSTALL BEHIND 12" X 12" STAINLESS STEEL ACCESS PANEL	PRECISION PLUMBING PRODUCTS SC-500A THRU SC-2000F

GAS LOAD TABLE

EQUIPMENT	SCHEDULING/PROVIDING DISCIPLINE	EQUIPMENT LOCATION	ESTIMATED LOAD (MBH)	PRESSURE REQUIRED BY EQUIPMENT (PSI)	BUILDING SYSTEM PRESSURE (PSI)	INTEGRATED PRESSURE REDUCING VALVE
GAS WATER HEATER	PLUMBING	UTILITY / STORAGE ROOM	125	0.5 (MAX)	0.5	NO
DOAS	MECHANICAL	YARD	400	0.5 (MAX)	0.5	NO
TOTALS			525			
GAS PIPE SIZING CRITERIA			.5" W.C. DROP @ 175'...			

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