

PLUMBING FIXTURE SCHEDULE											
FIXTURE DATA										PLUMBING FIXTURE SPECIFICATION	
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	CONNECTION						
					CW	HW	TRAP	WASTE	VENT	GAL.	
DBP-1	DOMESTIC WATER BOOSTER PUMP	RECEIVING	TOWLE WHITNEY	TW1000-20W-40	1-1/2"						FLOOR MOUNT ADJACENT TO THE RPZ BACKFLOW PREVENTER ASSEMBLY WHERE SHOWN. BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 1-1/2" DOMESTIC WATER RISER SHALL INCLUDE A 1-1/2" QUARTER TURN BALL VALVE BY PASS. ASSEMBLY SHALL OPERATE AT 480V/3 PHASE AND SHALL BE A FACTORY ASSEMBLED, WIRED, AND TESTED PACKAGE. PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FLAG FRAME MOUNTED PACKAGE CONSISTING OF PUMP, ELECTRICAL CONTROL PANEL, VARIABLE FREQUENCY DRIVE WITH TRANSDUCER, A PRE-PIPED 5 GALLON HYDRO-PNEUMATIC STORAGE TANK, PRESSURE GAUGE, RELIEF AND CHECK VALVES, TANK TEE, BRASS NIPPLE AND COPPER FITTINGS. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS, SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PROPER ASSEMBLY. THE SYSTEM SHALL BE UL AND NSF61 LISTED. THE PUMP SHALL BE SIZED FOR 30 GPM WITH A 30 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 3/4 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT. PUMP PRESSURE TO BE SET AT 60 PSI.
EWC-1	ELECTRIC WATER COOLER	HALL #2	OASIS	PG8ACSL-U	1/2"	-	1-1/4"	2"	1-1/2"	-	TWO STATION WALL MOUNT WATER COOLER, ADA, FRONT ONLY EASY TOUCH CONTROL. <u>HIGH UNIT ON LEFT</u> .
ET-1	EXPANSION TANK	RECEIVING	AMTROL	ST-25V	3/4"	-	-	-	-	-	WALL MOUNTED THERMAL EXPANSION TANK. INSTALL PER MANUFACTURER'S INSTRUCTIONS. FOR TWO TANK WATER HEATER SYSTEM.
FD-1	FLOOR DRAIN	RECEIVING, RESTROOMS	ZURN	ZN415B-3NH-P	-	-	3"	3"	1-1/2"	-	CAST IRON BODY WITH 3" NO-HUB BOTTOM OUTLET, COMBINATION CLAMP AND COLLAR WITH SEEPAGE SLOTS, 5" DIA. ADJUSTABLE NICKEL BRONZE STRAINER AND 1/2" TRAP PRIMER CONNECTION. PROVIDE WITH DEEP SEAL P-TRAP.
FD-2	FLOOR DRAIN	RECEIVING	ZURN	Z505-4NH-HP-P-V-P	-	-	4"	4"	2"	-	CAST IRON BODY WITH 4" NO-HUB BOTTOM OUTLET, 12" DIA. CAST IRON TOP. SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY DUTY DEEP FLANGE SLOTTED GRATE, HEEL-PROOF GRATE, 1/2" TRAP PRIMER CONNECTION AND VANDAL-PROOF SECURED TOP. PROVIDE WITH DEEP SEAL P-TRAP.
HB-1	HOSE BIBB	EXTERIOR OF BUILDING	ZURN	Z1321	3/4"	-	-	-	-	-	EXPOSED ECOLOTRON "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET, STAINLESS STEEL FACE WITH OPERATING KEY LOCK. ALL SOLDER CONNECTIONS ARE LEAD FREE.
HT-1	HAIR INTERCEPTOR	BATHING AREA	J.R. SMITH	8790	-	-	-	4"	-	-	HAIR INTERCEPTOR WITH YOKE TYPE COVER. TO BE INSTALLED IN MINIMUM 12X16 VAULT WITH NON-SLIP FLOOR FASTENED COVER.
L-1	LAVATORY	MEN'S/WOMEN'S RESTROOMS	KOHLER	K-2032 GREENWICH	-	-	-	2"	1-1/2"	-	20"x18" WALL MOUNT ADA COMPLIANT VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW AND FAUCET HOLES ON 4" CENTERS. PROVIDE ZURN 21231-E2 BACK-TO-BACK FLOOR MOUNTED IN-WALL FIXTURE CARRIER TO SUPPORT BOTH L-1 FIXTURES WITH ONE CARRIER.
LF-1	LAVATORY FAUCET	MEN'S/WOMEN'S RESTROOMS	ZURN	Z744-XL SIERRA	1/2"	1/2"					PROVIDE WITH LEAD-FREE POLISHED CHROME PLATED BRASS CENTERSET SINGLE CONTROL LEVER FAUCET W/ INTEGRAL SPOUT, CERAMIC DISC CARTRIDGE, AND 0.5 GPM VANDAL-RESISTANT SPRAY OUTLET.
LTW-1	LAVATORY TRAP WRAP	MEN'S/WOMEN'S RESTROOMS	TRUEBRO	LAV GUARD KIT #102							
MPS-1	MULTIPURPOSE SINK	HOLDING #1 FISH PREP	MUSTEE	15F UTILATUB	-	-	1-1/2"	1-1/2"	1-1/2"	-	SINGLE COMPARTMENT 19 GALLON SINK ONE-PIECE MOLDED CONSTRUCTION. ACCOMMODATES DUEL HANDLE FAUCET WITH 4" CENTER, HEAVY GAUGE STEEL LEGS WITH BUILT-IN LEVELERS. SECURE LEGS TO FLOOR.
MPSF-1	MULTIPURPOSE SINK FAUCET	HOLDING #1 FISH PREP	ZURN	Z-812M4	1/2"	1/2"					PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND WALL BRACE.
MS-1	MOP SINK	RECEIVING	ZURN	Z1996-24	-	-	-	3"	1-1/2"	-	MOP SERVICE BASIN 24"x24"x12" DEEP, MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND GASKETED OUTLET CONNECTION. PROVIDE 3 POSITION MOP BASIN HOSE HANGER, 3" WIDE x 26" LONG S.S. MOP HANGER WITH 3 RUBBER TOOL GRIP FITTINGS (ZURN MODEL Z1996-MH).
MSF-1	MOP SINK FAUCET	RECEIVING	ZURN	Z843M1-XL	3/4"	3/4"					PROVIDE FAUCET WITH INTEGRAL VACUUM BREAKER, 3/4" THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE. INSTALL FAUCET AT 40" AFF.
MV-1	MIXING VALVE	RECEIVING	POWERS	HYDROGUARD LFMM434-1	1-1/4"	1-1/4"	-	-	-	-	LEAD FREE THERMOSTATIC MIXING VALVE WITH ROUGH BRONZE BODY, STANDARD TEMPERATURE RANGE, PARRAFIN-BASED THERMAL ACTUATION, DIRT AND LIME RESISTANT POPPETTS AND SEATS, VIRTUAL SHUT-OFF ON LOSS OF INCOMING PRESSURE, VANDAL-RESISTANT LOCKING MECHANISM, ROTATABLE UNION TRIPLE TUDY CHECKSTOPS, 1-1/4" INLETS AND 1-1/2" OUTLET. SET DISCHARGE TEMPERATURE AT 110 DEG. F. INSTALL MIXING VALVE PIPING CONNECTIONS TO THE WATER HEATERS PER THE PLANS FOR A TWO TANK WATER HEATER SYSTEM.
RH-1	ROOF HYDRANT	ROOF	WOODFORD	SRH-MS	3/4"	-	-	-	-	-	NON-FREEZE ROOF HYDRANT WITH 3/4" NPT INLET, WELL SEAL, RUBBER BOOT, AND MOUNTING SYSTEM CONSISTING OF: CAST IRON HYDRANT SUPPORT, CAST IRON SHIM, CAST IRON UNDER DECK FLANGE, AND MOUNTING BOLTS, NUTS, AND WASHERS. PROVIDE WITH MODEL 50HF ASSE 1052 DUAL CHECK - AUTO DRAIN BACKFLOW PREVENTER. SEE DETAIL ON SHEET P2.0.
RP-1	RECIRCULATION PUMP	RECEIVING	BELL & GOSSETT	NBF 22U	-	3/4"	-	-	-	-	DOMESTIC HOT WATER RECIRCULATION PUMP WITH BRONZE BODY, SYSTEM LUBRICATED CIRCULATOR, 92 WATTS, 115 V, 1 PHASE, 3000 RPM, AND 4 GPM @ 12 F.O.W.
RPA-1	RECIRCULATION PUMP AQUASTAT	RECEIVING	BELL & GOSSETT	AQS-3/4		3/4"					
RPZ-1	BACKFLOW PREVENTOR	RECEIVING	WATTS	LF009M2QT	1-1/2"	-	-	-	-	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY WITH BRONZE BODY CONSTRUCTION, QUARTER-TURN BALL VALVES, AND REPLACEABLE SEATS. MOUNT IN HORIZONTAL POSITION. PROVIDE WITH WATTS MODEL 909AGC AIR GAP FITTING. EXTEND DISCHARGE PIPING FULL SIZE AND WITHOUT TRAP TO DISCHARGE INTO FLOOR DRAIN.
S-1	SINK	SEE LOCATIONS ON DRAWINGS	ELKAY	PSRADQ191955L-3	-	-	1-1/2"	2"	1-1/2"	-	20 GAUGE 19-1/2" x 19" SINGLE COMPARTMENT 304 S.S. SINK WITH 16"x13-1/2" x 5-1/4" DEEP BOWL AND 3 HOLES. PROVIDE LK-35 STRAINER. PROVIDE P-TRAP WITH CLEANOUT PLUG.
SF-1	SINK FAUCET	SEE LOCATIONS ON DRAWINGS	ZURN	Z831C4-XL-2F	1/2"	1/2"					PROVIDE FAUCET WITH SWING SPOUT & 2.2 GPM VANDAL-RESISTANT PRESSURE COMPENSATING FEMALE AERATOR.
SST-1	WALL FAUCET	BATHING AREA	ZURN	Z843L1-90-YJ	3/4"	3/4"	-	-	-	-	POLISHED CHROME 8" WASH DOWN FAUCET W/ VACUUM BREAKER SPOUT, INTEGRAL HOSE THREADED SPOUT, VANDAL RESISTANT COLOR CODED LEVER HANDLES AND SPLIT RING WALL BRACE.
TD-1	TRENCH DRAIN	DRYING AREA / BATHING AREA	ZURN	PERMA-TRENCH Z-886-HP-P-GL-(2) E1-U4-DB	-	-	4"	4"	2"	-	6" WIDE PRE-SLOPED TRENCH DRAIN WITH INTEGRAL TOP FRAME, INTERLOCKING ENDS AND RADIUSSED BOTTOM, PM868HP-PEE HEEL-PROOF POLYETHYLENE GRATE, 4" NO-HUB BOTTOM OUTLET. LENGTH OF DRAIN PER DIMENSIONS ON A-2.0 SHEET. PROVIDE WITH BOTTOM DOME STRAINER.
TD-2	TRENCH DRAIN	FISH EQUIPMENT	ZURN	PERMA-TRENCH Z-886-(2) E1-U3-SPECIAL	-						

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	W	DRAIN OR WASTE
	V	VENT PIPING
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	RWL	RAIN WATER LEADER
	S.O.V.	SHUT-OFF VALVE
	C.V.	CHECK VALVE
	VTR	VENT THRU ROOF
	-	UNION
	HB	HOSE BIBB W/ VACUUM BREAKER
	F	FIRE SPRINKLER LINE
	FD	FLOOR DRAIN
	FCO	FLOOR CLEANOUT
	GCO	GRADE CLEANOUT
	WCO	WALL CLEANOUT
	C/O	STORM PIPE CLEANOUT
	CD	CONDENSATE DRAIN PIPING
	R	GAS REGULATOR
	BV	CALIBRATED BALANCING VALVE
	G	GAS
	-	GAS SHUT-OFF/COCK VALVE (AT RTU)
	XXX (E)	EXISTING PIPING (I.E. CW (E), G (E), W (E) ETC.)
	A.H.J.	AUTHORITY HAVING JURISDICTION
	F.D.C.	FIRE DEPARTMENT CONNECTION
	N.P.T.	NATIONAL PIPE THREAD
	N.S.T.	NATIONAL STANDARD THREADS
	N.T.S.	NOT TO SCALE
	XX-X	PLUMBING FIXTURE DESIGNATION
	XXX-X	HVAC EQUIPMENT DESIGNATION (FOR REFERENCE ONLY)
	-	CONN. TO EXISTING PIPING / ELEVATION
	-	PLUMBING KEYED NOTE

NOTE: NOT ALL PLUMBING SYMBOLS AND ABBREVIATIONS ARE NECESSARILY USED IN THE PROJECT.

CONSTRUCTION TRADES MUST USE THE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.

PLUMBING GENERAL NOTES:
(FOR ALL PLUMBING SHEETS)

- A. THIS PROJECT WAS DESIGNED UNDER 2018 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE LOCAL AMENDMENTS.
- B. PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
- C. UTILITIES NOTES:
 - a. CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE FIRST PRIOR TO STARTING ANY NEW WORK.
 - b. CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF SITE SERVICES AS REQUIRED TO PETSMAST UTILITY LOCATIONS.
 - c. CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICES UNLESS OTHER PROVISIONS HAVE BEEN MADE.
 - d. CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE JUSTIFICATION FOR ANY EXTRA CHARGES.
- D. ALL FLOOR CLEANOUTS AT MAIN SALES FLOOR ARE TO BE LOCATED A MINIMUM OF 4" FROM FACE OF WALL/ CLOSET DOOR. SEE FUTURE PLAN F1.0 FOR COORDINATION WITH RACING.
- E. ALL FIRE AND DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OF JOIST THROUGHOUT THE STORE WHERE CEILING DOES NOT EXIST. ALL PLUMBING FIXTURES SHALL HAVE A SHUT OFF VALVE AT ALL SUPPLY BRANCHES. BRANCH SHUT-OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12 INCH ABOVE THE CEILING TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE ACCESS PANELS AS NEEDED.
- F. COORDINATE WATER LINES WITH ELECTRICAL CONTRACTOR. PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS OR EQUIPMENT OR CLEAR WORKING SPACE.
- G. PLUMBING CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE TO MAINTENANCE PERSONNEL. CLEANOUTS TO BE FLUSH WITH FINISHED SURFACE OF FLOOR. SEE MINIMUM REQUIREMENTS AND ARCHITECTURAL ELEVATIONS FOR LOCATION. NO CLEANOUTS ALLOWED IN CERAMIC TILE.
- H. ALL FAUCETS CAPABLE SHALL RECEIVE PLASTIC SLEEVES/INSERT TO ALLOW FAUCET SWIVEL.
- I. PRIOR TO SUBMITTING A BID THE PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIALS THAT PEX PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PEX PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER (U.O.N.) SHALL BE PEX POLYETHYLENE TUBING, LARGER WATER PIPING SIZES SHALL BE COPPER. INSTALL PEX TUBING PER MANUFACTURERS INSTRUCTIONS. REFER TO SCHEDULE PEX TUBING AND FITTINGS IN DIRECT OR INDIRECT SUNLIGHT.
- J. REFER TO SCHEMATIC GAS, WATER AND WASTE PIPING DIAGRAMS ON SHEETS P3.0 FOR ALL PIPE SIZE INFORMATION.
- K. PLUMBING CONTRACTOR SHALL FLUSH ALL SANITARY LINES AT THE END OF THE PROJECT TO ENSURE A FREE FLOWING SYSTEM AND VIDEO ALL LINES AND PROVIDE FINAL VIDEO TO PETSMAST CM AT TURNOVER.
- L. IF THE STATIC WATER PRESSURE IS BELOW 60 PSI, AN ALTERNATE BOOSTER PUMP BID IS REQUIRED. IF THE STATIC WATER PRESSURE IS ABOVE 60 PSI, AN ALTERNATE BOOSTER PUMP IS REQUIRED AND SHALL BE INSTALLED IMMEDIATELY DOWNSIDE OF THE DOMESTIC WATER METER AND REQUIRED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLIES ON THE INCOMING BUILDING DOMESTIC WATER SERVICE LINE. SEE THE PLUMBING FIXTURE SCHEDULE ON SHEET P0.1 AND DETAIL 3P2.0 FOR CLARIFICATION.
- M. ALL PEX ROUGH-IN STUBS THRU WALL SHALL TRANSITION TO COPPER AT WALL PENETRATION AND CONTINUE TO THE FIXTURE AS COPPER.
- N. EXPOSED PIPING AND SHUT-OFF VALVES ON WALLS IN BATHING AREA SHALL BE COPPER AND UN-INSULATED UP TO CEILING.
- O. ALL PIPING, FITTINGS AND VALVES FOR WATER HEATERS CONNECTIONS SHALL BE COPPER.
- P. ALL FIXTURES SHALL HAVE A BALL VALVE SHUTOFF AT THE FIXTURE CONNECTIONS.
- Q. UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED. CONTRACTOR SHALL INSTALL WASTE AND VENT PIPING AS REQUIRED PER APPLICABLE CODES. REFER TO DETAIL ON DETAILS SHEET P2.0 FOR MORE INFORMATION. THE USE OF JOINTLY CONNECTED VENT FITTINGS IS PROHIBITED IN SANITARY SEWER LINES.
- R. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THROUGH ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
- S. ALL SINK P-TAPS TO BE SUPPLIED WITH CLEANTOUT PLUGS.
- T. ALL PIPING IN AREAS WITH NO CEILINGS / OPEN TO DECK, CEILING TYPE C1 AND C8 SHALL BE HUNG NO LOWER THAN 6" BELOW THE ROOF DECK TO THE TOP OF THE PIPING INSULATION.
- U. CONSTRUCTION TRADES MUST USE THE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.
- V. INSULATE HOT AND COLD LINES IN WALL AND CEILING.
- W. ALL EQUIPMENT, WATER LINES, CEILING GRID, HVAC DUCTWORK, ROOF LEADER PIPING, CONDUNTS, LIGHT FIXTURES AND FIRE SPRINKLER LINES MUST BE SUSPENDED FROM THE JOISTS ONLY. DO NOT LAY ALONG THE BOTTOM CHORD OF JOISTS OR SUSPEND FROM THE ROOF DECK.

ARCHITECT:

CONSULTANT:

SEAL:

DESIGNER NOTE:
UPDATE CODE REFERENCE
ON PER PROJECT BASIS

CITY SEAL:

DESIGNER NOTE:
FOR RECORD BUILDING
FOR RECORDING ABOVE
EXISTING BE RAINED
SHALL BE TO TOP OF
THIS THROUGHOUT THE
LAST ONE.

DISCLAIMER:

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THIS DRAWING IS NOT TO BE SCALED.

[illegible]

PROJECT NO:		16K 2026 US INSTRUCTION SET	
ORIGINAL SCALE:		AS INDICATED	
DRAWN BY:		XXX	IF THIS BAR IS NOT 1" LONG ADJUST YOUR PLOTTING SCALE
CHECKED BY:		XXX	
PAGE #:	OF:		
	01	47	1"
DISCIPLINE:			
PLUMBING			

P0.1