

PIPE AND EQUIPMENT INSULATION SCHEDULE							
SERVICE	TEMP. RANGE (°F)	LOCATION	TYPE	PIPE SIZE	THICKNESS	SUPPLEMENTAL JACKET	REMARKS
DHWS/R	110-140	ALL	FG	1/2" - 1-1/4"	1"	NOTE 3	NOTE 1
				1-1/2" AND LARGER	1-1/2"		
DCWS	45±		FG	1/2" - 1-1/4"	1/2"	NOTE 3	NOTE 1
				1-1/2" AND LARGER	1"		
EXPOSED DRAINS BELOW LAVS	-		FG	ALL	-	-	NOTES 1 AND 2

NOTES:

- SEE SECTION 22 07 19.
- PROVIDE TRUEBRO LAV GUARD AND SYSTEM.
- INSTALL PVC JACKET (30-MILS. THICK) OVER ALL PIPE INSULATION IN APPARATUS BAY 100, MECHANICAL ROOM 107, MEZZANINE STORAGE 101, AND BAIL-OUT ROOM 212.

TYPE:

FG - FIBROUS GLASS INSULATION

WATER HEATER SCHEDULE											
TAG	MANUF.	MODEL No.	FUEL		RECOVERY		TANK CAPACITY (GAL)	INPUT (MBH)	THERMAL EFF	ELECTRIC	REMARKS
			TYPE	PRESSURE	GPH	RISE (°F)					
WH-1	AO SMITH	BTH-150(A)	NAT. GAS	4.4 - 14 IN. W.C.	178	100	100	150	98%	120/1/60	SEE NOTES

NOTES:

- PROVIDE WITH:
- CONDENSATE NEUTRALIZATION KIT
 - CONCENTRIC VENT KIT
 - TEMPERATURE AND PRESSURE RELIEF VALVE

DOMESTIC WATER RECIRCULATION PUMP SCHEDULE											
TAG	MANUF.	MODEL No.	TYPE	SERVICE	FLUID	GPM	HEAD (FT.)	MAX. RPM	ELECTRIC		REMARKS
									HP	SYSTEM	
RCP-1	TACO	0012-S	S.S.	DHWR	WATER	5	10	3250	1/8	120/1/60	NOTE 1
RCP-2	TACO	0012-S	S.S.	DHWR	WATER	5	10	3250	1/8	120/1/60	NOTE 1

NOTES:

- PUMP SHALL BE ALL STAINLESS STEEL SUITABLE FOR DOMESTIC WATER SERVICE.

SUMP PUMP SCHEDULE										
TAG	MANUF.	MODEL NO.	TYPE	SERVICE	GPM	HEAD (FT.)	RPM (MAX.)	ELECTRIC		REMARKS
								HP	SYSTEM	
SP-1	ZOELLER	940-0013	A	ELEVATOR	52	20	3450	1/2	120/1/60	SEE NOTES

NOTES:

- PROVIDE WITH SIMPLEX CONTROL PANEL, OIL SMART PUMP SWITCH, ALARM PANEL AND LIQUID SMART SWITCH.
- PROVIDE WITH BATTERY BACK-UP, ZOELLER MODEL 508 (OR EQUAL).
- PROVIDE WITH PUMP STAND.

TYPE:

- A. OIL GUARD PUMP SWITCH AND PANEL

FIXTURE MINIMUM PIPE SIZE SCHEDULE							
FIXTURE	TAG	WATER PIPING		DRAINAGE PIPING			REMARKS
		DCWS	DHWS	VENT	WASTE	SOIL	
LAVATORY	LAV-x	1/2"	1/2"	1-1/4"	1-1/2"	-	SEE NOTES 1 & 3
WATER CLOSET	WC-x	1"	-	2"	-	NOTE 2	SEE NOTES 1 & 3
URINAL	UR-x	3/4"	-	2"	-	NOTE 2	SEE NOTES 1 & 3
KITCHEN SINK	KS-1	1/2"	1/2"	1-1/4"	1-1/2"	-	SEE NOTES 1 & 3
SHOWER	SH-x	1/2"	1/2"	1-1/4"	2"	-	SEE NOTES 1 & 3
FLOOR DRAIN	FD-x	-	-	1-1/2"	3"	-	SEE NOTES 2 & 3
FLOOR SINK	FS-x	-	-	2"	4"	-	SEE NOTES 2 & 3
SHOWER/EYE WASH	SHE-x	1-1/2"	1-1/2"	1-1/4"	1-1/2"	-	SEE NOTES 1 & 4
DRINKING FOUNTAIN	DF-x	1/2"	-	1-1/4"	1-1/2"	-	SEE NOTES 1 & 3
MOP SINK	MS-x	3/4"	3/4"	1-1/2"	3"	-	SEE NOTES 1 & 3
KITCHEN SINK	KS-2	1/2"	1/2"	1-1/4"	1-1/2"	-	SEE NOTES 1, 3 & 5
POT SINK	PS-x	3/4"	3/4"	2"	3"	-	SEE NOTES 1, 3 & 5
HAND SINK	HS-x	1/2"	1/2"	1-1/4"	1-1/2"	-	SEE NOTES 1 & 3

NOTES:

- PROVIDE ISOLATION VALVE OR SUPPLY/STOPS IN WATER PIPING TO EACH FIXTURE.
- SOIL PIPING SIZE SHALL BE CONSISTENT WITH THE FIXTURE OUTLET SIZE.
- SIZES SHOWN ARE FOR PIPING CONNECTIONS TO INDIVIDUAL FIXTURES ONLY. SEE PLANS FOR BRANCH/ RISER SIZING FOR MULTIPLE FIXTURES.
- PROVIDE TEMPERED WATER.
- INDIRECT DRAIN TO FLOOR SINK.

THERMOSTATIC MIXING VALVE SCHEDULE						
TAG	MANUF.	MODEL No.	MOUNTING	MIN. FLOW RATE (GPM)	MAX. PRESSURE (PSIG)	REMARKS
TMV-1	BRADLEY	NRS8-RP-R1-AQ	SURFACE	2.0	125	SEE NOTES
TMV-2	BRADLEY	S19-2150	SURFACE	3.0	125	SEE NOTES

NOTES:

- PROVIDE WITH PRE-PIPED ASSEMBLY INCLUDING BUT NOT LIMITED TO:
 - INLET & OUTLET SHUTOFF VALVES
 - INTEGRAL CHECKSTOPS W/ STRAINERS
 - HIGH & LOW RANGE THERMOSTATS
 - SURFACE-MOUNT CABINET W/ BRACKET
- VALVE SHALL BE SUITABLE FOR POTABLE WATER USE
- PROVIDE WITH HL45 CONFIGURABLE VALVE.

PLUMBING FIXTURE SCHEDULE				
TAG	MANUF.	MODEL No.	FINISH	REMARKS
LAV-1	KOHLER	K-2030	VITREOUS CHINA	LAVATORY: <ul style="list-style-type: none">4" CENTER SET, 3 HOLES, ADA SINK, WALL MOUNT, WITH CONCEALED ARM CARRIER, K-13885 OFFSET DRAIN.BATTERY POWERED, SENSOR ACTIVATED, 4-INCH CENTERSET FAUCET, 0.5 GPM, CHROME PLATED BRASS, GRID STRAINER, SLOAN M/N: EBF-660 WITH THERMOSTATIC MIXING VALVE1/2" CHROME SUPPLY W/ HEAVY DUTY KEY STOP & CAST BRASS CHROME PLATED ESCUTCHEON.1-1/4" x 1-1/2" CAST BRASS CHROME PLATED P-TRAP W/ CLEANOUT PLUG & STRAINER.LAV GUARD WASTE & SUPPLY PIPING COVER AS MANUF. BY TRUEBRO OR EQUAL.
LAV-2	AMERICAN STANDARD	0495	VITREOUS CHINA	LAVATORY - (ADA): <ul style="list-style-type: none">UNDERMOUNTBOWL SIZE: OVAL 15-1/16"(W) x 12-1/16"(L) x 5-1/2" (D)PROVIDE WITH AMERICAN STANDARD FAUCET MODEL No. 6500.170, 1.5 GPM,PROVIDE WITH THERMOSTATIC MIXING VALVE MODEL LFUSG-B, BY WATTS, OR EQUAL1/2-INCH CHROME SUPPLY WITH HEAVY PATTERN KEY STOP AND CAST BRASS CHROME PLATED ESCUTCHEON1-1/4"x1-1/2" CAST BRASS CHROME PLATED "P" TRAP (17-GAUGE) W/ CLEANOUT PLUG, STRAINER & TAILPIECE. WITH POP-UP DRAIN ASSEMBLY
WC-1	AMERICAN STANDARD	2634.101	VITREOUS CHINA	WATER CLOSET - (ADA): <ul style="list-style-type: none">WALL MOUNTED, FLUSH VALVE, ELONGATED BOWL,CONCEALED FLUSHOMETER, SLOAN MODEL No. TRF8156 BATTERY POWERED SENSOR, 1.28 GPFPROVIDE WITH AMERICAN STANDARD TOILET SEAT, MODEL No. 5905.100PROVIDE WITH WALL CARRIER
UR-1	AMERICAN STANDARD	6002.001	VITREOUS CHINA	URINAL - (ADA): <ul style="list-style-type: none">ADA, WALL HUNG WASHOUT TYPE, TOP SPUD WITH EXPOSED FLUSH VALVE WITH VACUUM BREAKER AND INTEGRAL SCREWDRIIVER STOP EXPOSED, URINAL BASIN TO BE 17" AFFPROVIDE WITH AMERICAN STANDARD FLUSH VALVE MODEL 6045013.002 (0.125 GPF)
SH-1	FREEDOM SHOWERS	APFQ3682 BF625L	GELCOATED FIBERGLASS	SHOWER - (ADA): <ul style="list-style-type: none">36" x 36"(ID)ADA COMPLIANT, TWO-STATION, BARRIER FREE, WALL MOUNTPROVIDE WITH ADA SHOWER SYSTEM KIT (MODEL SH-PB1-13-032 BY CHICAGO FAUCETS)KIT SHALL INCLUDE:<ul style="list-style-type: none">SHOWER VALVE (1.5 GPM PRESSURE BALANCE)HAND SHOWER (3-FUNCTION)METAL HOSESLIDE BAR (36-INCHES)NECESSARY TRIMIN-LINE VACUUM BREAKERWALL SUPPLYPROVIDE WITH FACTORY REINFORCED GRAB BARS, FOLD DOWN SEAT, COMPRESSIBLE THRESHOLD AND SEMI-PERMANENT THRESHOLD ADAPTER.2" SHOWER DRAIN (BRUSHED NICKEL)
MS-1	FIAT	MSB3624	MOLDED STONE	MOP SINK: <ul style="list-style-type: none">FLOOR MOUNTED SERVICE SINK W/ 36"x24"x6" BOWL.WALL MOUNTED MOP FAUCET.PROVIDE WITH FIAT FAUCET MODEL 830AA.PROVIDE WITH: STAINLESS STEEL WALL & BUMPER GUARDS, HOSE BRACKET AND MOP HANGER.
DF-1	ELKAY	LZSTLG8LC	STAINLESS STEEL	BI-LEVEL DRINKING FOUNTAIN: <ul style="list-style-type: none">ADA COMPLIANT, TWO-STATION, BARRIER FREE, WALL MOUNTELECTRONIC FRONT AND SIDE PUSH BAR ACTIVATIONFLEXI-GUARD SAFETY BUBBLER, R-134a REFRIGERANT, W/LKAPREZL APRON FOR EXPOSED WALL MOUNTING
RPZ-1	WATTS	LF009	-	REDUCED PRESSURE ZONE ASSEMBLY: <ul style="list-style-type: none">LEAD FREE, FOR POTABLE WATERSIZE: 2-1/2-INCH
HB-1	ZURN	Z1320-C	CAST BRONZE	ECOLOtrol WALL HYDRANT: <ul style="list-style-type: none">ENCASED, ANTI-SIPHON, AUTOMATIC DRAINING, NON-FREEZE WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, 3/4" THREADED INLET, 3/4" MALE HOSE CONNECTION. WITH OPERATING KEYCOORDINATE REQ'D LENGTH WITH WALL THICKNESS AT EACH LOCATION
HB-2	ZURN	Z-1349	CAST BRONZE	ECOLOtrol WALL HYDRANT: <ul style="list-style-type: none">EXPOSED WALL HYDRANT FOR NARROW INSTALLATION, 3/4" THREADED INLET, 3/4" MALE HOSE CONNECTION.PROVIDE WITH OPERATING KEY.
FD-1 FFD-1	WATTS	FD-100-A	CAST IRON	ADJUSTABLE FLOOR DRAIN: <ul style="list-style-type: none">PROVIDE W/ 5" ROUND STAINLESS STEEL TOP5" STAINLESS STEEL STRAINER & TAILPIECEPROVIDE W/ CONNECTION TO 3" PVC PIPINGPROVIDE W/ INLINE FLOOR DRAIN TRAP SEALER, SURE SEAL MODEL No. SS2009V TAG FFD-1: PROVIDE A FUNNEL-TYPE FLOOR DRAIN.
FD-2	WATTS	FD-100-M	CAST IRON	ADJUSTABLE FLOOR DRAIN: <ul style="list-style-type: none">PROVIDE W/ 6x6" SQUARE NICKEL BRONZE TOP5" STAINLESS STEEL STRAINER & TAILPIECEPROVIDE W/ CONNECTION TO 3" PVC PIPINGPROVIDE W/ INLINE FLOOR DRAIN TRAP SEALER, SURE SEAL MODEL No. SS2009V
FS-1	WATTS	FS-730	-	FLOOR SINK: <ul style="list-style-type: none">12"x12"x6" DEEP SANITARY FLOOR SINK WITH PORCELAIN ENAMEL COATED INTERIOR, LOOSE PORCELAIN ENAMEL COATED CAST IRON GATE, ALUMINUM DOME BOTTOM STRAINER.PROVIDE WITH 4" WASTE SIZE AND CONNECTION.PROVIDE W/ INLINE FLOOR DRAIN TRAP SEALER, SURE SEAL MODEL No. SS2009V
SHE-1	ULINE	H-6697	STEEL/ PLASTIC	EMERGENCY SHOWER, WITH EYEWASH: <ul style="list-style-type: none">POWDER-COATED, STEELTWO (2) SPRAY HEADSFLIP-TOP DUST COVERSABS PLASTIC SHOWER HEAD/BOWLBRASS VALVESGALV. STEEL PIPINGSHOWER HEAD: 20-GPM, EYEWASH: 3-GPM
C.O.	ZURN	Z-1456 Z-1441	-	CLEANOUT - FLOOR INSTALLATION: <ul style="list-style-type: none">DECK CLEANOUTNICKEL BRONZE BODY WITH SCORATED DECK PLUG AND "O" RING SEALC.O. SHALL MATCH PIPING SIZE LINE, UNLESS INDICATED OTHERWISE. CLEANOUT - WALL INSTALLATION: <ul style="list-style-type: none">WALL CLEANOUTDURA-COATED CAST IRON BODY WITH ABS TAPERED THREAD PLUGPROVIDE WITH STAINLESS STEEL COVER IN FINISHED AREASC.O. SIZE SHALL MATCH PIPING SIZE LINE, UNLESS INDICATED OTHERWISE.

NOTE: MODEL NUMBERS HAVE BEEN PROVIDED AS A GUIDE TO THE BASIS OF DESIGN.

PC SHALL FURNISH ALL REQUIRED COMPONENTS DESCRIBED WHETHER INCLUDED IN SPECIFIC MODEL No. OR NOT.

DATE: 06/21/2023
DRAWN BY: AOS
SCALE: N.T.S.
REVIEWED BY: TJH
PROJECT NO.: 20-2006
FILE:

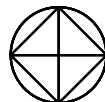


REVISIONS		DESCRIPTION
NO.	DATE	

PORT EWEN FIRE
DEPARTMENT, ULSTER, NEW
YORK

PLUMBING SCHEDULES

SHEET:
P001



BID PLANS