

WATER HEATER SCHEDULE		
TAG ID	EQUIPMENT	DESCRIPTION
GWH-1	GAS WATER HEATER	PVI CONQUEST #40L-130A-GCML CONDENSING GAS WATER HEATER. PROVIDE ACID NEUTRALIZATION KIT AND ELBI #DTS-80 THERMAL EXPANSION TANK. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
GWH-2	GAS WATER HEATER	PVI CONQUEST #40L-130A-GCML CONDENSING GAS WATER HEATER. PROVIDE ACID NEUTRALIZATION KIT AND ELBI #DTS-80 THERMAL EXPANSION TANK. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

DOMESTIC WATER AND NATURAL GAS PIPING SPECIALTIES SCHEDULE		
TYPE	SPECIALTY ITEM	DESCRIPTION
BV-1	BALANCING VALVE	CIRCUIT SOLVER #CS-1120-T THERMOSTATIC BALANCING VALVE WITH BRONZE BODY
BV-2	BALANCING VALVE	BELL & GOSSETT CIRCUIT SETTER PLUS CALIBRATED BALANCING VALVE WITH BRONZE BODY
ETP-1	ELECTRONIC TRAP PRIMER	PRECISION PLUMBING PRODUCTS #MPB-500 ELECTRONIC TRAP PRIMING MANIFOLD TIMER BOX AND PRESET TIMER TO ACTIVATE SOLENOID VALVE ONCE FOR 10 SECONDS EVERY 24 HOURS. SERVES UP TO FOUR FLOOR DRAIN TRAPS. PROVIDE DISTRIBUTION UNIT FOR MULTIPLE FLOOR DRAIN TRAP INSTALLATION
GPR-1	GAS PRESSURE REGULATOR - BOILERS	MAXITROL #RV1-11 SPRING LOADED PRESSURE REGULATOR RATED FOR INLET PRESSURES UP TO 125 PSIG AND OUTLET PRESSURES OF 5"WC TO 5 PSIG AND A FLOW CAPACITY OF 50,000 CFH. ORIFICE SIZE AND SPRING SELECTION SHALL BE BASED ON AN INLET GAS PRESSURE OF 14" W.C., AND A FLOW RATE OF 6,000 CFH
GPR-2	GAS PRESSURE REGULATOR - WATER HEATERS	MAXITROL #325-96 SPRING LOADED PRESSURE REGULATOR RATED FOR INLET PRESSURES UP TO 125 PSIG AND OUTLET PRESSURES OF 5"WC TO 5 PSIG AND A FLOW CAPACITY OF 50,000 CFH. ORIFICE SIZE AND SPRING SELECTION SHALL BE BASED ON AN INLET GAS PRESSURE OF 2 PSI, AN OUTLET PRESSURE OF 14" W.C., AND A FLOW RATE OF 1,800 CFH
GPR-3	GAS PRESSURE REGULATOR - GENERATOR	MAXITROL #325-11 SPRING LOADED PRESSURE REGULATOR RATED FOR INLET PRESSURES UP TO 125 PSIG AND OUTLET PRESSURES OF 5"WC TO 5 PSIG AND A FLOW CAPACITY OF 50,000 CFH. ORIFICE SIZE AND SPRING SELECTION SHALL BE BASED ON AN INLET GAS PRESSURE OF 2 PSI, AN OUTLET PRESSURE OF 14" W.C., AND A FLOW RATE OF 3,400 CFH
GPR-4	GAS PRESSURE REGULATOR - DRYER	MAXITROL #325-2L REGULATOR WITH VENT LIMITING DEVICE. ORIFICE AND SPRING SELECTION SHALL BE BASED ON AN INLET PRESSURE OF 2 PSI, AN OUTLET PRESSURE OF 14" W.C., AND A FLOW RATE OF 100 CFH
HB-1	HOSE BIBB	JRS #5672-89FP BRASS CONSTRUCTION WALL FAUCET WITH VACUUM BREAKER, BACKFLOW PREVENTER
LC-1	LAUNDRY CONNECTION BOX	SYMMONS "LAUNDRY-MATE" #W-602-X SUPPLY AND DRAIN FIXTURE FOR 1/2" SUPPLY LINES AND 2" DRAIN CONNECTION
RPD-1	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS #0090T-S, ALL BRONZE BODY CONSTRUCTION WITH QUARTER TURN BALL VALVES, #909AG FIXED AIR GAP, PIPE RELIEF VALVE TO FLOOR DRAIN. SEE PLANS FOR SIZES
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD "NUCLEUS" DIGITAL THERMOSTATIC CONTROLLER #MV-150-LF WITH SWIVEL ACTION CHECK STOPS, REMOVEABLE CARTRIDGE WITH STRAINER, ROUGH BRONZE FINISH, WALL MOUNTING BRACKET, AND MFR. REPRESENTATIVE VALVE SET-UP
TMV-3	THERMOSTATIC MIXING VALVE	GUARDIAN #G3600 WITH HOT WATER SHUTOFF DURING COLD WATER INTERRUPTION AND COLD WATER ONLY FLOW DURING HOT WATER INTERRUPTION
WH-1	WALL HYDRANT	JRS #5519-PB RECESSED TYPE, AUTOMATIC DRAINING, NONFREEZE WALL HYDRANT WITH VACUUM BREAKER, LOOSE KEY OPERATION, POLISHED BRASS FINISH

PLUMBING PUMP SCHEDULE		
TAG ID	EQUIPMENT	DESCRIPTION
DWB-1	DOMESTIC WATER BOOSTER PUMP	ARMSTRONG DUPLEX VARIABLE SPEED SERIES 6800 BOOSTER PUMP SYSTEM RATED FOR 130 GPM AT 18 PSI, 4 HP, 208 VOLT, 3 PHASE POWER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
HWRP-1	HOT WATER RETURN PUMP	GRUNDFOS "MAGNA 3", ALL BRONZE BODY IN-LINE CIRCULATOR WITH 1-1/4" FLANGES, OVERLOAD PROTECTION. PUMP SHALL BE RATED FOR 20 GPM AT 14 FEET OF HEAD, PROVIDE TIMER AND AQUASTAT.
SEP-1	SEWAGE EJECTOR PUMP	HYDROMATIC #HPO 200 DUPLEX PACKAGED SEWAGE EJECTOR PUMP SYSTEM WITH FIBERGLASS BASIN. SYSTEM IS RATED FOR 52 GPM AT 33 TDH DESIGN POINT, 4HP, 208 VOLT, 3 PHASE POWER. SYSTEM SHALL INCLUDE CONTROL PANEL. BASIN SHALL BE 42" DIAMETER x 84" DEEP. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ELECTRIC HEATING CABLES SCHEDULE			
TAG ID	SYSTEM PROTECTED	ELEC W/LF	DESCRIPTION
EHC-1	FREEZE PROTECTION	8	CHROMALOX CPR SERIES SELF REGULATING HEATING CABLE. PROVIDE AND INSTALL ALL REQUIRED CONNECTION KITS, ACCESSORIES, AND SINGLE POINT CHROMALOX FREEZE PROTECTION HEAT TRACE CONTROLLER. HEAT TRACE SELECTION IS BASED ON 1 1/2" THICK MINERAL FIBER INSULATION. ALL ELECTRIC HEATING CABLES AND CONTROLS SHALL BE PROVIDED ON GENERATOR STANDBY POWER SOURCE, 120V.

DRAINAGE PIPING SPECIALTIES SCHEDULE			
TYPE	SPECIALTY TYPE	DESCRIPTION	
FD-1	FLOOR DRAIN	JRS #2005Y-A06SS-B-U-P050 CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, 1/2" TRAP PRIMER TAPPING, 6" DIAMETER POLISHED STAINLESS STEEL STRAINER, VANDAL RESISTANT SCREWS AND INTERNAL STAINLESS STEEL SEDIMENT BUCKET	
FD-3	FLOOR DRAIN	JRS #2120Y-WALL-B-P050 CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, WEEPHOLES, 1/2" TRAP PRIMER TAPPING, 1" THICK AND 9" DIAMETER DUCTILE IRON TRACTOR GRATE, VANDAL RESISTANT SCREWS AND INTERNAL SEDIMENT BUCKET	
FS-1	FLOOR SINK	JRS #3101Y-SS-C-U CAST IRON 8" SQUARE FLOOR SINK WITH 8" DEEP SUMP, A.R.E. INTERIOR, LIFT OUT ALUMINUM SEDIMENT BUCKET AND STAINLESS STEEL RIM AND GRATE. PROVIDE HALF GRATES IN AREAS RECEIVING INDIRECT WASTES. INTERIOR CLAMPING DEVICE WHERE WATERPROOF MEMBRANES ARE USED	
ORD-1	OVERFLOW ROOF DRAIN	JRS #1074Y-CD-C-R CAST IRON CONSTRUCTION WITH ADJUSTABLE EXTENSION FOR INSULATION, CLAMPING COLLAR, 3" HIGH AND INTERNAL STANDPIPE, CAST IRON DOME AND UNDER DECK CLAMP. PROVIDE JRS #1771-B5 SERIES SATIN NICKEL BRONZE DOWNSPOUT NOZZLE WITH THREADED OUTLET AND FLANGE FOR SECURING TO WALL. PIPE TO DISCHARGE 18" ABOVE GRADE.	
RD-1	ROOF DRAIN	JRS #1015Y-CD-C-U CAST IRON CONSTRUCTION WITH ADJUSTABLE EXTENSION FOR INSULATION, CLAMPING COLLAR, CAST IRON DOME AND UNDER DECK CLAMP.	
ST-1	SEDIMENT TRAP	JRS #8730 SOLIDS INTERCEPTOR, 2"INLET AND OUTLET	
TS-1	TRAP SEAL	JRS #2892 QUAD CLOSE TRAP SEAL DEVICE FOR USE IN FLOOR DRAINS IAPMO LISTED #7479 AS79E #1435-AF-GW	

COMMERCIAL LAVATORY SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	KOHLER "PENNINGTON" #K-2196, 20"x17", VITREOUS CHINA LAVATORY. SLOAN "OPTIMA" #EAF-350-BAT-ISM-CF-0.5GPM-AER-IR-10-FCJ ELECTRONIC FAUCET, 4" CENTERS, POLISHED CHROME FINISH, 0.5 GPM FLOW AERATOR, GRID STRAINER, AND BELOW DECK THERMOSTATIC MIXING VALVE W/ CHECK VALVES.		
L-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	KOHLER "PENNINGTON" #K-2196, 20"x17", VITREOUS CHINA LAVATORY. SLOAN "OPTIMA" #EAF-350-BAT-ISM-CF-0.5GPM-AER-IR-10-FCJ BATTERY POWERED ELECTRONIC FAUCET, 4" CENTERS, POLISHED CHROME FINISH, 0.5 GPM FLOW AERATOR, GRID STRAINER, AND BELOW DECK THERMOSTATIC MIXING VALVE W/ CHECK VALVES.		
L-3	ADA LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL 34" AFF	KOHLER "KINGSTON" #K-2005, 20"x18", VITREOUS CHINA LAVATORY. J.R. SMITH #0700 SERIES FOOT SUPPORTED CARRIER WITH HEAVY GAUGE STEEL UPRIGHTS AND INTEGRAL WELDED FEET. TRUE-BRO "SOFT-GUARD" LAV-GUARD INSULATION KIT TO COMPLY WITH 25 FLAME SPREAD/450 SMOKE INDEX.		
L-4	ADA LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL 34" AFF	KOHLER "KINGSTON" #K-2005, 20"x18", VITREOUS CHINA LAVATORY. J.R. SMITH #0700 SERIES FOOT SUPPORTED CARRIER WITH HEAVY GAUGE STEEL UPRIGHTS AND INTEGRAL WELDED FEET. TRUE-BRO "SOFT-GUARD" LAV-GUARD INSULATION KIT TO COMPLY WITH 25 FLAME SPREAD/450 SMOKE INDEX. ELKAY #K422L7 SINGLE LEVER FAUCET, 4" CENTERS, POLISHED CHROME FINISH, 0.5 GPM FLOW AERATOR, GRID STRAINER, 7" LEVER HANDLE. FAUCET HANDLE SHALL BE WITHIN 13" OF FRONT FACE OF SINK.		

COMMERCIAL SINK SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
S-1	SINK - SINGLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	ELKAY STAINLESS STEEL SINK #LR-2219, 22"x19", 8" DEEP BOWL, 3 FAUCET HOLES, GRID DRAIN ASSEMBLY. ELKAY #KD2439BHC WITH GOOSENECK SPOUT, VANDAL RESISTANT LAMINAR FLOW MODERATOR, 4" WRIST BLADE HANDLES.		
S-2	ADA SINK - SINGLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER 34" AFF	ELKAY STAINLESS STEEL SINK #LRAD-2219, 22"x19", 6" DEEP BOWL, 3 FAUCET HOLES, REAR CENTER OFFSET DRAIN & GRID DRAIN ASSEMBLY. TRUE-BRO "SOFT-GUARD" INSULATION KIT TO COMPLY WITH 25 FLAME SPREAD/450 SMOKE INDEX. ELKAY #KD2439BHC FAUCET WITH GOOSENECK SPOUT, VANDAL RESISTANT LAMINAR FLOW MODERATOR, 4" WRIST BLADE HANDLES.		
S-3	ADA SINK - SINGLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER 34" AFF	ELKAY STAINLESS STEEL SINK #LRAD-2219, 22"x19", 6" DEEP BOWL, 3 FAUCET HOLES, REAR CENTER OFFSET DRAIN & GRID DRAIN ASSEMBLY. TRUE-BRO "SOFT-GUARD" INSULATION KIT TO COMPLY WITH 25 FLAME SPREAD/450 SMOKE INDEX. ELKAY #K3001CR SINGLE LEVER FAUCET WITH HOSE AND SPRAY, SWING SPOUT, VANDAL RESISTANT AERATOR.		
S-4	SINK - SINGLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	SINK, FAUCET, & FITTINGS BY ARCHITECT.		

COMMERCIAL SHOWER, RECEPTOR, AND BASIN SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
MS-1	MOP SINK	3"	1-1/2"	1/2"	1/2"	FLOOR	FIAT #MSB-3624 MOLDED STONE MOP SERVICE BASIN WITH #830-AA SERVICE FAUCET AND VACUUM BREAKER, STAINLESS STEEL WALL GUARD, MOP BRACKET, VINYL BUMPERGUARD, HOSE AND BRACKET, SILICONE SEALANT		
SH-1	ADA TUB/SHOWER	2"	1-1/2"	1/2"	1/2"	FLOOR	AQUARIUS ACRYLIC ONE PIECE TUB/SHOWER UNIT #S-7236-TS WITH BUILT-IN SEAT AND GRAB BARS. SYMMONS "SAFETYMIX" #1-117-FS-B30-X SHOWER SYSTEM WITH #4-500 PRESSURE BALANCING MIXING VALVE, #4-458 DIVERTER WITH INTEGRAL VOLUME CONTROL, #4-231 SHOWER HEAD, WALL-HAND SHOWER, FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, 30" SLIDE BAR, INTEGRAL SERVICE STOPS		
SS-1	SERVICE SINK	3"	1-1/2"	1/2"	1/2"	FLOOR	KOHLER "BANNON" #K-6716, 24 1/4"x20 1/4" CAST IRON SERVICE SINK WITH ACID RESISTANT ENAMEL FINISH, DRILLED BACK, AND RIM GUARD. KOHLER "NORFORD" #K-8906 SERVICE SINK FAUCET WITH LEVER HANDLES, PAIL HOOK, LOOSE KEY STOPS, VACUUM BREAKER		

URINAL SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
UR-1	ADA URINAL	2"	1-1/2"	3/4"	--	WALL 17" AFF	KOHLER "BARDON" #K-4991, VITREOUS CHINA, 0.125 GALLONS PER FLUSH, TOP SPUD, MIFAB MC SERIES DUAL PLATE FOOT SUPPORTED CARRIER WITH HEAVY GAUGE STEEL UPRIGHTS AND INTEGRAL WELDED FEET. SLOAN #186-1 0-ES-S DIAPHRAGM TYPE ELECTRONIC FLUSH VALVE WITH #EBV500A SINGLE FLUSH BATTERY EXPOSED SENSOR, 0.125 GPF, ANGLE STOP AND VACUUM BREAKER, MANUAL OVERRIDE BUTTON, SWEAT ADAPTER KIT.		

WATER CLOSET SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
WC-1	WATER CLOSET	4"	2"	1"	--	WALL	KOHLER "KINGSTON" #K-4330, VITREOUS CHINA, 1.28 GALLONS PER FLUSH, TOP SPUD, ELONGATED BOWL, COMMERCIAL HEAVY DUTY OPEN FRONT SEAT. MIFAB "MC" SERIES CAST IRON CLOSET CARRIER. SLOAN #111 DIAPHRAGM TYPE ELECTRONIC FLUSH VALVE WITH #EBV500A SINGLE FLUSH BATTERY EXPOSED SENSOR, 1.28 GPF, BUMPER ON ANGLE STOP, VACUUM BREAKER, MANUAL OVERRIDE BUTTON, SWEAT ADAPTER KIT.		
WC-2	ADA WATER CLOSET	4"	2"	1"	--	WALL 18" AFF TO TOP OF SEAT	KOHLER "KINGSTON" #K-4330, VITREOUS CHINA, 1.28 GALLONS PER FLUSH, TOP SPUD, ELONGATED BOWL, COMMERCIAL HEAVY DUTY OPEN FRONT SEAT. MIFAB "MC" SERIES CAST IRON CLOSET CARRIER. SLOAN #111 DIAPHRAGM TYPE ELECTRONIC FLUSH VALVE WITH #EBV500A SINGLE FLUSH BATTERY EXPOSED SENSOR, 1.28 GPF, BUMPER ON ANGLE STOP, VACUUM BREAKER, MANUAL OVERRIDE BUTTON, SWEAT ADAPTER KIT.		
WC-3	WATER CLOSET	4"	2"	1"	--	FLOOR	KOHLER "WELLCOMME" #K-4350, VITREOUS CHINA, 1.28 GALLONS PER FLUSH, TOP SPUD, ELONGATED BOWL, COMMERCIAL HEAVY DUTY OPEN FRONT SEAT. SLOAN #111 DIAPHRAGM TYPE FLUSH VALVE WITH #EBV500A SINGLE FLUSH BATTERY EXPOSED SENSOR, BUMPER ON ANGLE STOP, VACUUM BREAKER, SWEAT ADAPTER KIT.		

ELECTRIC WATER COOLER SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
EWC-1	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	---	WALL-36" AFF MAX SPOUT HEIGHT	ELKAY #LZSTLGBWSSK TWO-LEVEL STAINLESS STEEL WATER COOLER & BOTTLE FILLING STATION, RATED FOR 8 GPH OF CHILLED WATER WITH IN-LINE LEAD FILTER		
EWC-2	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	---	WALL-36" AFF MAX SPOUT HEIGHT	ELKAY #LZSGBWSSK SINGLE-LEVEL STAINLESS STEEL WATER COOLER & BOTTLE FILLING STATION, RATED FOR 8 GPH OF CHILLED WATER WITH IN-LINE LEAD FILTER		

EMERGENCY PLUMBING FIXTURE SCHEDULE									
TYPE	FIXTURE	SOIL	VENT	COLD	HOT	MOUNT	DESCRIPTION		NOTES
EEW-4	EMERGENCY EYEFACE WASH	---	---	1/2"	1/2"	WALL	GUARDIAN #G1750P WALL MOUNTED EYE / FACE WASH.		

AIR COMPRESSOR AND VACUUM PUMP SCHEDULE									
TYPE	EQUIPMENT	DESCRIPTION							
LAC-1	AIR COMPRESSOR	BEACON MEDAES TRIPLEX OIL-LESS SCROLL COMPRESSOR SYSTEM #LES-15-115-RD, 200 GALLON ASME RECEIVER, REFRIGERATED AIR DRYER, AND CONTROL PANEL. TOTAL SYSTEM CAPACITY SHALL BE 129 SCFM AT 95 PSIG, 45 HP, 480 VOLT, 3 PHASE.							
LVP-1	VACUUM PUMP	BEACON MEDAES DUPLEX OIL LUBRICATED ROTARY VALVE, VACUUM PUMP SYSTEM #VL507D-200V-D, 120 GALLON ASME RECEIVER, CONTROL PANEL. TOTAL CAPACITY SHALL BE 104 SCFM AT 19" Hg, 15 HP, 480 VOLT, 3 PHASE.							

drawing title PLUMBING SCHEDULES		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES			
professional seal		REVISIONS			
mark	date	description	drawing prepared by	date	
1	09/16/19	ADDENDUM #2	BVH INTEGRATED SERVICES	08/16/2019	
2	09/20/19	ADDENDUM #3	206 WEST NEWBERRY ROAD BLOOMFIELD, CT. 06002	scale	
			project	drawn by	
			SCSU NEW HHS BUILDING	MT	
			501 CRESCENT STREET NEW HAVEN, CT 06505	approved by	JSC
			project no.	drawing no.	
			P002		
			CAO no.	project no.	
			BI-RS-329		