

NATURAL GAS WATER HEATER SCHEDULE						
TAG NO.	GPH RECOVERY 100° F RISE	VENT SIZE	NATURAL GAS CFH	STORAGE CAPACITY GALLONS	REFERENCE MANUFACTURER	
GWH-1	291	4", 6"	250	100	BRADFORD WHITE EF-100T-250E3N	
GWH-1	291	4", 6"	250	100	BRADFORD WHITE EF-100T-250E3N	

GREASE INTERCEPTOR SCHEDULE									
TAG NO.	LOCATION	GPM FLOW RATE	GREASE CAP. (LBS.)	SIZE			CONNECTION SIZE		MANUFACTURER AND REMARKS
				W	L	D	INLET	OUTLET	
GT-1	KITCHEN	15	30	16.75"	27.25"	13.375"	3"	3"	ZURN Z1170 MODEL 400. PROVIDE EXTENSION RINGS TO FINISH FLOOR AS REQUIRED.

EXPANSION TANK SCHEDULE						
TAG NO.	LOCATION	SERVICE	MAXIMUM SYSTEM PRESSURE (PSI)	TANK VOLUME (GALS.)	ACCEPTANCE VOLUME (GALS.)	MANUFACTURER AND REMARKS
ET-1	WATER ROOM	DOMESTIC HOT WATER	125	14	9	AMTROL ST-30VC

MASTER MIXING VALVE SCHEDULE						
TAG NO.	LOCATION	SERVICE	TYPE	DESIGN RANGE (GPM)	MAX PRESS DROP (PSI) AT PEAK FLOW	PEAK FLOW (GPM)
MV-1	WATER ROOM	BUILDING HOT WATER	ELETRONIC	20	20	43
				CALEFFI - LEGIOMIX 6000		

PLUMBING PUMPS SCHEDULE										
PUMP NO.	LOCATION	SERVICE	GPM	HEAD (FT.)	ELECTRICAL					REFERENCE MANUFACTURER AND REMARKS
					VOLTS	PHASE	CYCLE	HP	RPM	
ESP-1	ELEVATOR SUMPS	WASTE WATER	55	16	115	1	60	1/2	3600	STANCOR MODEL SE50
PP-1	WATER ROOM	140°F WATER	VAR.	25	115	1	60	1/6	VAR.	B&G ECO-CIRC XL 36-45
PP-2	WATER ROOM	130°F WATER	VAR.	25	115	1	60	1/6	VAR.	B&G ECO-CIRC XL 36-45

PLUMBING SPECIALTIES SCHEDULE					
TAG NO.	DESCRIPTION	LOCATION	BODY	STRAINER	MANUFACTURER AND REMARKS
FD-1	FLOOR DRAIN	FINISHED AREAS	CAST IRON	NICKEL BRONZE	JAY R. SMITH FIG. 2010C-A
FD-2	FLOOR DRAIN	UNFINISHED AREAS	CAST IRON	POLISHED BRONZE	JAY R. SMITH FIG. 2010C-A
WH-1	FREEZELESS WALL HYDRANT	SEE DRAWINGS	N/A	N/A	WOODFORD MODEL B67, CHROME FINISH, ¾", LOOSE KEY WITH BACKFLOW PREVENTER

PLUMBING FIXTURE CONNECTION SCHEDULE							
SEE PLUMBING SPECIFICATIONS FOR COMPLETE FIXTURE INFORMATION							
TAG NO.	DESCRIPTION		COLD WATER	HOT WATER	WASTE	SANITARY	VENT
WC-A	WATER CLOSET	ADA	½"	-	-	3"	2"
LAV-A	PUBLIC LAVATORY	ADA	½"	½"	2"	-	1-½"
LAV-B	PRIVATE LAVATORY	ADA	½"	½"	2"	-	1-½"
SK-A	SINK		½"	½"	2"	-	1-½"
SH-A	SHOWER		½"	½"	2"	-	1-½"
BT-A	BATHTUB		½"	½"	2"	-	1-½"
MB-A	MOP BASIN		½"	½"	3"	-	2"
WMB	WASHING MACHINE BOX		½"	½"	2"	-	2"

PLUMBING GENERAL NOTES

SUBMIT ALL REQUIRED PLUMBING DOCUMENTS TO LOCAL PLUMBING OFFICIAL FOR APPROVAL. THE ENTIRE PLUMBING SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, REGULATIONS, LOCAL REQUIREMENTS AND PROJECT SPECIFICATIONS.

THE PLUMBING CONTRACTOR SHALL COORDINATE ALL PIPING WITH MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL TRADES PRIOR TO CONSTRUCTION TO AVOID INTERFERENCE.

PROVIDE JR SMITH OUAID CLOSE "STINK STOPPER" TRAP SEAL DEVICE FOR ALL P-TRAPS FOR FLOOR DRAINS LOCATED IN MECHANICAL ROOMS, PUBLIC RESTROOMS AND OTHER AREAS WHERE TRAP EVAPORATION MAY OCCUR.

PLUMBING CONTRACTOR SHALL CONNECT ALL ITEMS OF EQUIPMENT FURNISHED BY OTHERS AND UNDER OTHER SECTIONS OF THE SPECIFICATIONS. CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO COMPLETE THE PLUMBING INSTALLATION.

REFER TO ARCHITECTURAL DRAWING FOR ROUGHING DIMENSIONS OF PLUMBING FIXTURE MOUNTINGS HEIGHTS.

PROVIDE UNIONS FOR ALL PIPING CONNECTIONS TO EQUIPMENT.

ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE IN COMPLIANCE WITH CURRENT APPLICABLE ENERGY CONSERVATION CODES.

ALL PIPING AND EQUIPMENT IS SHOWN DIAGRAMMATICALLY ONLY. GENERAL ORIENTATION SHOWN IN PLAN AND SECTIONAL DRAWINGS. EXACT LOCATION SHALL BE DETERMINED IN FIELD. MAINTAIN HEAD ROOM AND SPACE CONDITIONS AT ALL TIMES. ALL WORK SHALL BE COORDINATED WITH ALL TRADES BEFORE PROCEEDING WITH INSTALLATION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. PRIOR TO EQUIPMENT SUBMITTALS, CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED CONDITIONS SUCH AS CORRIDORS, PASSAGE-WAY ROOM SIZES, ETC. TO ENSURE SPECIFIED EQUIPMENT CAN BE PROPERLY INSTALLED.

INSTALL PIPING CLOSE TO WALLS, PARTITIONS, CEILINGS, ETC. OFFSET ONLY WHERE NECESSARY TO FOLLOW WALLS, AS INDICATED. PROVIDE ALL NECESSARY FITTINGS, OFFSETS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE INSTALLATION.

INSTALL PIPING IN A CONCEALED MANNER, STRAIGHT, PLUMB AND AS DIRECT AS POSSIBLE. FORM RIGHT ANGLES PARALLEL WITH BUILDING WALLS. LOCATE GROUPS OF PIPES PARALLEL TO EACH OTHER. PIPE SHALL BE LOCATED TO PERMIT ACCESS FOR SERVICE VALVES.

ALL PIPING SHALL BE REAMED TO BE FREE OF BURRS. KEEP PIPING FREE FROM SCALE AND DIRT. PROTECT OPEN PIPE ENDS WHENEVER WORK IS SUSPENDED DURING CONSTRUCTION TO PREVENT FOREIGN MATERIAL FROM ENTERING, AND CAP ALL OPEN ENDS DURING CONSTRUCTION WITH APPROVED TEMPORALLY CAPS OR MATERIALS.

MAINTENANCE LABELS SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT AND MAINTENANCE AND OPERATION MANUALS SHALL BE PROVIDED TO OWNER.

INSTALL WELDED OR THREADED PIPE IN AREAS WHERE SPACE IS CRITICAL BETWEEN FINISHED CEILING AND STRUCTURAL SURFACE. INSTALL ALL VENTS THRU ROOF 10'-0" MINIMUM FROM EDGE OF ROOF AND 25'-0" FROM FRESH AIR INTAKES.

IF REQUIRED, SUBMIT APPROVED PRESSURE REDUCING VALVES & BACKFLOW PREVENTION DEVICES TO WATER AUTHORITY. CONTRACTOR SHALL PROVIDE ALL NECESSARY DEVICES PER WATER AUTHORITY REQUIREMENTS AND MANUFACTURER RECOMMENDATIONS.

ALL WALL, CEILING AND FLOOR PENETRATIONS CONVEYING PLUMBING AND DRAINS SHALL BE FULLY SEALED AND CAULKED AROUND THE PENETRATING FEATURE TO RESTORE THE REQUIRED FIRE OR SMOKE BARRIER RATING OF THE WALL, CEILING OR FLOOR PENETRATED. AT A MINIMUM, AT ALL LOCATIONS A TWENTY (20) MINUTE FIRE/SMOKE RESISTANCE SHALL BE MAINTAINED. WHERE REQUIRED BY CODE, THE PENETRATING FEATURES SHALL ALSO BE SUPPLIED AND INSTALLED WITH A MECHANISM OR MATERIAL WHICH WILL MAINTAIN THE WALL, CEILING OR FLOOR RATING IN THE EVENT OF A FIRE.

PLUMBING OR SPRINKLER RELATED PIPE SHALL NOT PENETRATE INTO OR PASS THROUGH STAIRWAYS UNLESS IT IS REQUIRED FOR SERVICING THE STAIRWAY OR IT IS SEGREGATED FROM THE STAIRWAY PASSAGEWAY BY AN ENCLOSURE SYSTEM RATED EQUAL TO OR GREATER THAN THE REQUIRED STAIRWAY RATING.

INSTALL WATER HAMMER ARRESTORS IN COMPLIANCE WITH ALL APPLICABLE CODES. WATER HAMMER ARRESTORS SHALL BE AS INDICATED ON THE RISER DIAGRAMS. SIZE OF WATER HAMMER ARRESTORS SHALL BE ACCORDING TO THE WATER HAMMER SCHEDULE AND MANUFACTURER'S RECOMMENDATIONS FOR THAT BRANCH LINE.

CLEANOUTS SHALL BE PROVIDED AS INDICATED ON PLANS AND AS REQUIRED BY THE LOCAL CODES.

PRIOR TO INSTALLING ANY PIPING, VERIFY EXISTING OR NEW INVERT ELEVATIONS, LOCATIONS AND PIPE SIZES. INSTALL ALL SANITARY, WASTE, AND STORM MAINS BEGINNING AT LOW POINT OF EACH SYSTEM AND CONTINUE WITH UNBROKEN CONTINUITY OF INVERT. LOW POINT OF EACH SYSTEM SHALL BE COORDINATED WITH SITE UTILITIES CONTRACTOR. REFER TO SITE UTILITY PLANS FOR REFERENCE.

DRAIN VALVES SHALL BE PROVIDED ON LOWEST POINT OF ALL DOMESTIC WATER RISERS AS FOLLOWS: 1-1/2" OR LESS-PROVIDE 1/2" DRAIN VALVE. 2" OR LARGER-PROVIDE 3/4" DRAIN VALVE.

PROVIDE ISOLATION VALVES AT ALL FIXTURES AND EQUIPMENT.

PLUMBING SYMBOL LIST	
SYMBOL	DESCRIPTION
	EXISTING WORK TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION
NTS	NOT TO SCALE
(E)	EXISTING
(ETR)	EXISTING TO REMAIN
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
VTR	VENT THRU ROOF
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
—(E)—	EXISTING PIPING
—	NEW PIPING LOCATED ABOVE FLOOR/SLAB
— — — — —	NEW PIPING LOCATED BELOW FLOOR/SLAB
— — — — —	COLD WATER PIPING (CW)
— — — — —	HOT WATER PIPING (HW)
— — — — —	HOT WATER RECIRCULATING PIPING (HWR)
—140—	140° HOT WATER PIPING (HW)
—TW—	TEMPERED HOT WATER PIPING (TW)
—TWR—	TEMPERED HOT WATER RETURN PIPING (TWR)
—W—	WATER SERVICE - EXTERIOR
—SAN—	SANITARY SEWER PIPING
—IW—	INDIRECT WASTE PIPING (IW)
— — — — —	VENT PIPING
—ST—	STORM WATER SEWER PIPING (ST)
—G—	NATURAL GAS PIPING (G)
—LPG—	LP GAS PIPING (LPG)
—>	ELBOW DOWN
—>>	45° OFFSET
—o	ELBOW UP
—o—	BOTTOM/TEE CONNECTION
—T—	TOP TEE CONNECTION
—>>>	"P" TRAP
—>	PIPE CONTINUATION
—>	CAP OR PLUG
—Φ—	DECK PLATE CLEANOUT (DPCO)
—<Φ—	WALL PLATE CLEANOUT (WPCO)
—<Φ—	CLEANOUT (CO)
	FLOOR DRAIN (FD) / FLOOR SINK (FS)
	ROOF DRAIN
	WALL HYDRANT (WH) / HOSE BIBB (HB)
	STRAINER
	WATER METER
	FULL PORT BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	SHUT-OFF SWITCH
	PIPE ANCHOR
	PIPE GUIDE
	UNION
	BACKFLOW PREVENTER (BFP)
	SHOCK ABSORBER (SA)
	RECIRCULATION PUMP
	THERMOMETER
	PRESSURE GAUGE
	TRAP PRIMER (TP)



DATE: 9/18/2020
REVISED:

PROJECT NO: 2020095
DESIGNED BY: MJC
DRAWN BY: MJC
CHECKED BY: RSA
SCALE: AS NOTED
NOTES:

NOTES, SCHEDULES & LEGEND

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