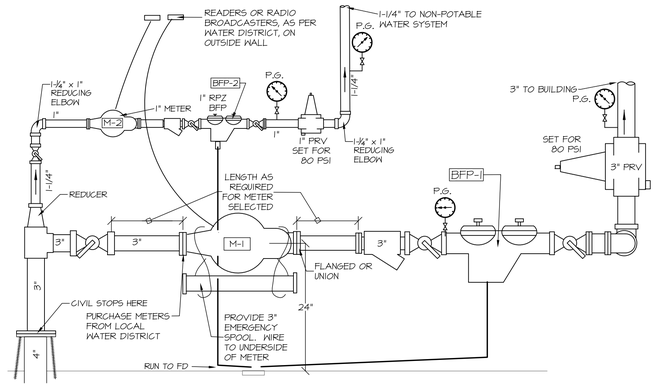
© Copyright 2016 Opechee Construction Corporation

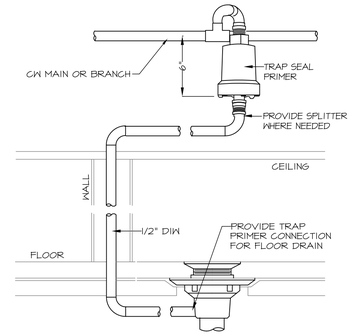
LEGEND

140 WATER	140 DEG F HOT
@	AT
A	AMPS, AQUASTAT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
BFP	BACKFLOW PREVENTER
BLV	BALL VALVE
BV	BALANCE VALVE
CD	CLOTHES DRYER
CNTR	COUNTER
CO	CLEANOUT
CONT	CONTINUATION
COORD	COORDINATION
COTG	CLEANOUT TO GRADE
CW	COLD WATER,
C&HW	COLD & HOT WATER
DAW	DROP AT WALL
DCP	DOMESTIC CIRCULATING PUMP
DEG	DEGREES
DIC	DROP IN CHASE
DIV	DIVISION
DIW	DROP IN WALL
DN	DOWN
DN&U	DOWN AND UP
DNAW	DOWN AT WALL
DNIC	DOWN IN CHASE
DNIW	DOWN IN WALL
DO	DRAWOFF
DW	DISHWASHER
EA	EACH
ET	EXPANSION TANK
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FIL	FILTERED WATER
FRM	FLOW RATE MONITOR
FV	FLUSHVALVE
G	GAS (FUEL)
GAL	GALLONS
GC CONTRACTOR	GENERAL
GHT	GARDEN HOSE THREAD
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIB
HC	HEATING CONTRACTOR
HW	HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
IDW	INDIRECT WASTE
IM	ICE MAKER
LF	LINEAR FEET
LV	LAVATORY
M	METER
MB	MOP BASIN
MTD	MOUNTED
MUWC	MAKE-UP WATER CONNECTION
MV	MIXING VALVE
NB	NICKEL BRONZE
NPW	NON-POTABLE WATER
OD	OUTSIDE DIAMETER
PC	PLUMBING CONTRACTOR
PDI	PLUMBING & DRAINAGE INSTITUTE
PG	PRESSURE GAUGE
PH	PHASE
PRV	PRESSURE REDUCING/ REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PW	PUMPED WASTE
RAW	RISE AT WALL
RD	ROOF DRAIN
RH	RIGHT HAND
RIC	RISE IN CHASE
RIW	RISE IN WALL
RUC	RUN UNDER COUNTER
RUF	RUN UNDER FLOOR
RV	RELIEF VALVE
S	SANITARY WASTE
SA	SHOCK ABSORBER
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	STAINLESS STEEL
SW	STORM WATER
T	THERMOMETER
TP	TRAP PRIMER
TYP	TYPICAL
UIC	UP IN CHASE
U&DNIC	UP & DOWN IN CHASE
U&DNIW	UP & DOWN IN WALL
UIW	UP IN WALL
V	VENT
VB	VACUUM BREAKER
VC	VITREOUS CHINA
VIF	VERIFY IN FIELD
VRV	VACUUM RELIEF VALVE
VTR	VENT THRU ROOF
W	WASTE
W/	WITH
WC	WATER CLOSET, WATER COLUMN
WCO	WALL CLEANOUT
WH	WATER HEATER
WSI	WARM SIDE OF INSULATION

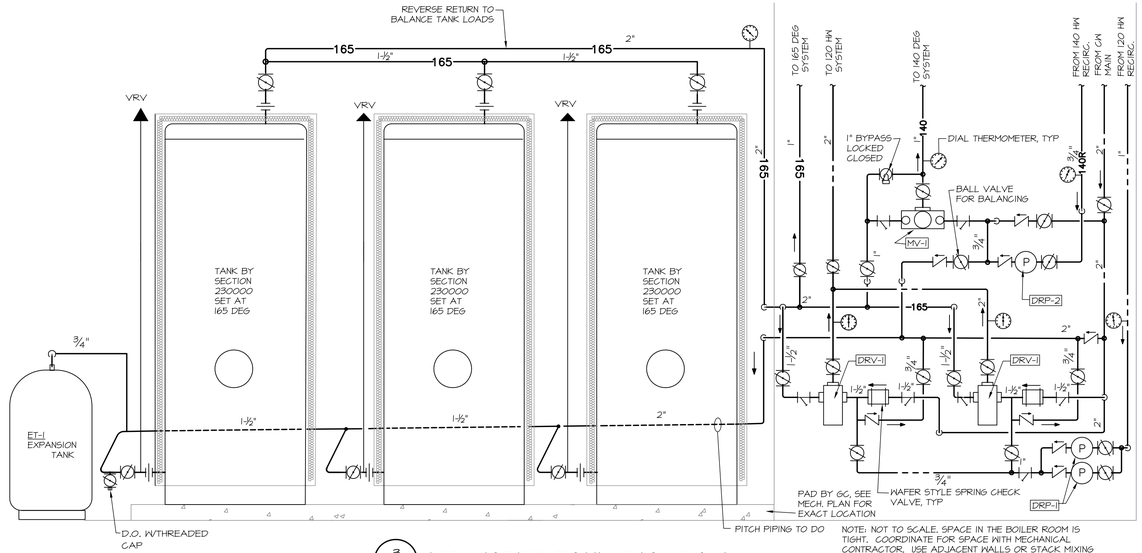
	CAST IRON SANITARY / WASTE PIPING ABOVE SLAB
	PVC SANITARY/ WASTE PIPING BELOW SLAB
CI	CAST IRON SANITARY/ WASTE PIPING BELOW SLAB
GW	CAST IRON GREASE WASTE PIPING BELOW SLAB
IDW	INDIRECT WASTE PIPING ABOVE SLAB
PW	PUMPED WASTE
	PVC VENT PIPING ABOVE SLAB
	PVC VENT PIPING BELOW SLAB
	CAST IRON STORM WATER PIPING ABOVE SLAB
	PVC STORM WATER PIPING BELOW SLAB
TP	TRAP PRIMER PIPING
TP	TRAP PRIMER PIPING BELOW SLAB
	COLD WATER PIPING
	COLD WATER PIPING BELOW SLAB
NPW	CPVC NON-POTABLE WATER (NO SEWER CHARGE) PIPING ABOVE SLAB
FIL	FILTERED WATER PIPING ABOVE SLAB
	120 DEG HOT WATER PIPING
	120 HOT WATER RETURN PIPING
140	140 HOT WATER PIPING
140R	140 DEG HOT WATER RECIRC PIPING
165	165 DEG HOT WATER PIPING
RAD	PVC VENT PIPING ABOVE SLAB
	PERFORATED PVC RADON COLLECTION PIPING BELOW SLAB
G	FUEL GAS PIPING
	BALL VALVE
	VERTICAL BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	VACUUM RELIEF VALVE
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	THERMOMETER
	PRESSURE GAUGE
	TRAP PRIMER
	DROP/RISE IN LINE
	LINE UP TO FLOOR ABOVE
	TEE -DROP
	SHOCK ABSORBER
	UNION
	MIXING VALVE
	FLOOR CLEANOUT
	FLOOR DRAIN
	WALL CLEANOUT
	VENT THROUGH ROOF
	ROOF DRAIN
	HOSE BIB
M	WATER METER
XX-I	PLUMBING FIXTURE/ EQUIPMENT NUMBER TAG



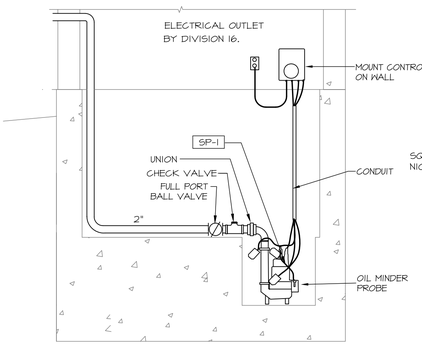
1 / P8 **DOMESTIC WATER ENTRANCE**
SCALE: NONE



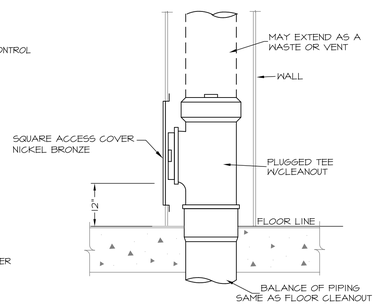
2 / TYP **TRAP SEAL PRIMER #1**
SCALE: NONE



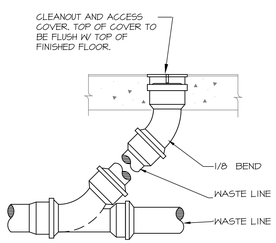
3 / P8 **HOT WATER TANK DIAGRAM**
SCALE: NONE



4 / P1 **ELEVATOR SUMP PUMP DETAIL**
SCALE: NONE



5 / TYP **WALL CLEAN OUT DETAIL**
SCALE: NONE



6 / TYP **FLOOR CLEAN OUT DETAIL**
SCALE: NONE

MECHANICAL SYSTEMS ENGINEERS
ROYAL RIVER CENTER, UNIT 10B
10 FOREST FALLS DRIVE, YARMOUTH, MAINE 04096
(207) 846-1441
FACEBOOK: MECHANICAL SYSTEMS ENGINEERS
© COPYRIGHT 2016
M.S.E. Proj. 1632

OPECHEE CONSTRUCTION CORPORATION
11 CORPORATE DRIVE ■ BELMONT ■ NH 03220
PHONE (603) 527-3060 ■ WWW.OPECHEE.COM

STATE OF MAINE — Kurt F. Magnusson 10257 — LICENSED PROFESSIONAL ENGINEER

AC HOTELS by MARRIOTT
Fore Street / Hancock Street / Thames Street
Portland, Maine

REVISION:

ISSUED:
RELEASED FOR PRICING 12/21/2016
REVISED 1/12/2017

project architect: KAK
drawn by: EJP

PLUMBING LEGEND AND DETAILS

sheet number:
P14

January 12, 2017 — 11:12 am
X:\Projects\1632 Marriott AC\Drawings\1632 P14-P15.dwg