

MATERIAL LIST

IDENTIFICATION		QTY./	DESCRIPTION
ASSY	ITEM	ASSY	
	1	1	#1 EXPANSION TANK - WATTS REGULATOR, ETSX-30, 15 GALLON
	2	1	#2 EXPANSION TANK - WATTS REGULATOR, ETSX-30, 15 GALLON

PIPING NOTES - UNLESS OTHERWISE SPECIFIED:

1. PIPING SHOWN IS STAINLESS STEEL 304L SCHEDULE 10 WELDED AND WAS USED FOR THE BASIS OF THIS DESIGN. PIPING SHOULD FOLLOW VIONX SPECIFICATION #230368 CHILLER FIELD PIPING.
2. EQUIPMENT SHOWN AND CALLED OUT ON THE DRAWINGS WAS USED FOR BASIS OF THIS DESIGN.
3. INSULATION IS 1" FIBERGLASS WITH RIGID INSULATION SUPPORTS AT ALL HANGERS. PVC OUTDOOR RATED JACKETING TO BE INSTALLED AFTER SYSTEM IS CHECKED FOR LEAKS. ALL EXTERNAL PIPING IS INSULATED.
4. VOLUME OF PIPING AND ALL EQUIPMENT EXTERNAL OF THE STACKED CONTAINER IS APPROXIMATELY 180 US GALLONS.
5. ALL THREADED PIPE NIPPLES ARE SCD. 80.
6. FLANGE GASKETS ARE GARLOCK TEFLON 3510 OR EQUAL.
7. FLANGE BOLT MATERIAL IS ASTM A193-B8 WITH ASTM A194-8 NUTS. USE A SST. FLAT WASHER INSTALLED UNDER BOLT HEAD. 1" TO 2" FLANGES USE 1/2-13 BOLTS. 2" TO 3" FLANGES USE 5/8"-13 BOLTS. ALL FLANGES ARE RAISED FACE UNLESS NOTED.
8. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
9. VOID ALL PRINT'S BEARING PREVIOUS REVISION DATES.

NOTE

WORK THIS DRAWING WITH:
PA001, PD001, PD002, PD003, PD004,
PB002, PB003, PB004, PB005, PB006

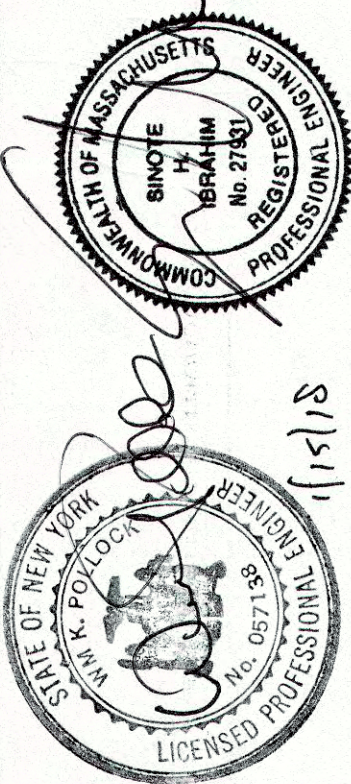
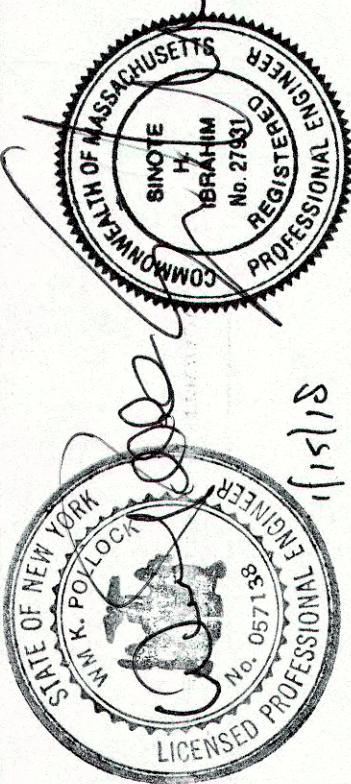


REF. DWG.

ISSUE	DATE	BY	APPRD.	DESCRIPTION
A	15JAN2018	JHH/OTI		ISSUED FOR FABRICATION

The design and detailed information illustrated on this document shall remain the property of the company, and shall be confidentially held for the sole use of the client. No portion of this information for purposes not specified by the terms of the contract is strictly prohibited.

UNLESS OTHERWISE NOTED:
1) ALL DIMENSIONS ARE IN INCHES
2) BREAK ALL SHARP EDGES
3) TOLERANCES (NON ACCUMULATIVE):
FOR FABRICATION, SURFACES, SAWCUT SURFACES, BENDS, ETC.
DECIMAL 1 P.L.C. ±.03"
DECIMAL 2 P.L.C. ±.01"
DECIMAL 3 P.L.C. ±.005"
FRACTIONAL ANGLES ±.5°
FRACTIONAL ANGLES ±.4°
FRACTIONAL ANGLES ±.1°



CUST. APPRVD.		DATE	DATE

PIPE PLAN VIEW
SHEET 1

DRAWN	JHH/OTI	DATE	21NOV2017
CHECKED		DATE	
APPRVD.		DATE	

DWG. SIZE		SHT 1 OF 1	DRAWING NO. PB001
D	A		