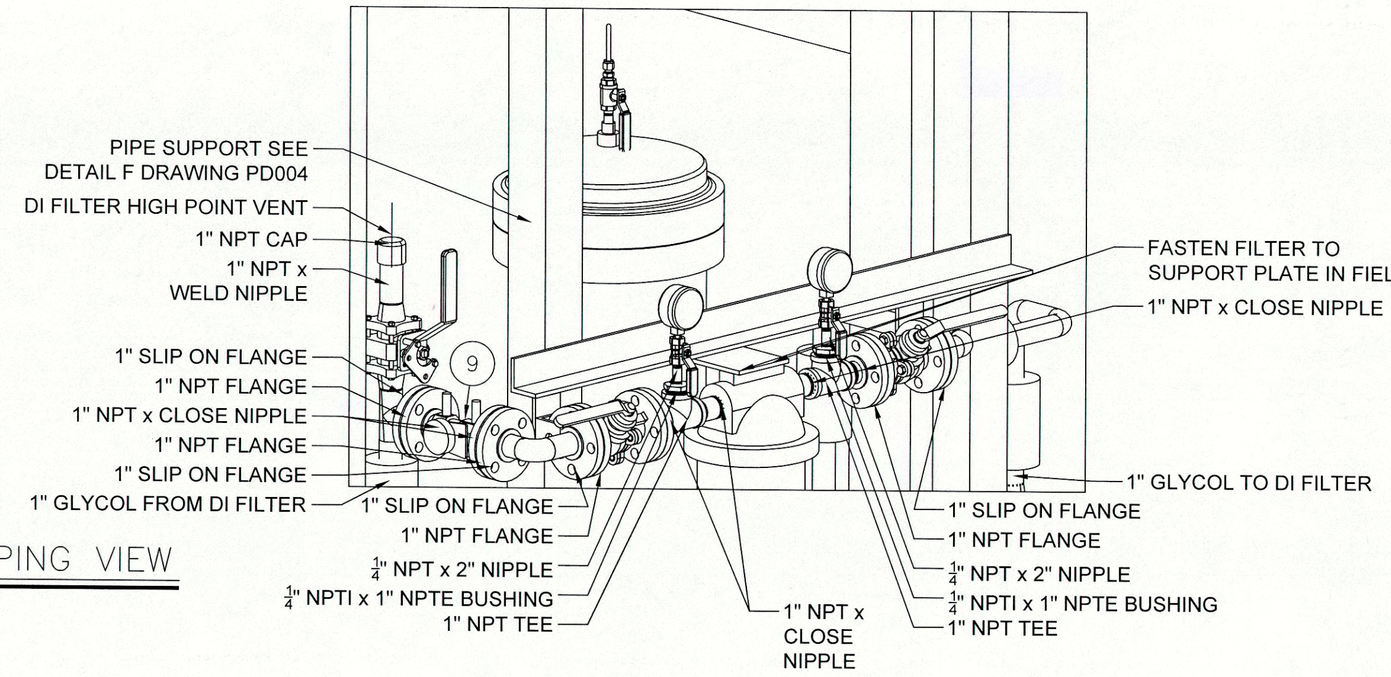
EQUIPMENT LIST

IDENTIFICATION ASS'Y	ITEM	QTY./ ASS'Y	DESCRIPTION
	1	1	VALVE - BALL, SST., 1/4" NPT, 150 LB., LOCKING HANDLE.
	2	1	FILTER - SHELCO, 2" FLANGE, 7FCS-3-C-304-2-F-ML-V
	3	2	VALVE - BALL, SST., 150 LB., RF., FULL PORT, 2" FLANGE,
			LOCKING HANDLE
	4	2	GAUGE - PRESSURE, 1/4" NPTE, 0-100 PSIG, LIQUID FILLED
	5	2	VALVE - BALL, SST., 1/2" NPT, LOCKING HANDLE
	6	3	VALVE - BALL, SST., 150 LB., RF., FULL PORT, 1" FLANGE,
			LOCKING HANDLE
	7	2	VALVE - BALL, GAUGE COCK, SST., 1/4" NPT
	8	1	FILTER - DI, 1" NPTI, SST.
	9	1	VALVE - FLOW SETTING, 1" NPT, WATTS CSM-61-M1-T
	10	7	FILTER ELEMENT - SHELCO, 5 MICRON, VITON SEAL, 30" MB5-30-V
	11	1	FILTER ELEMENT - ARIES, RESIN BED DI, 20" AF-20-4010-BB

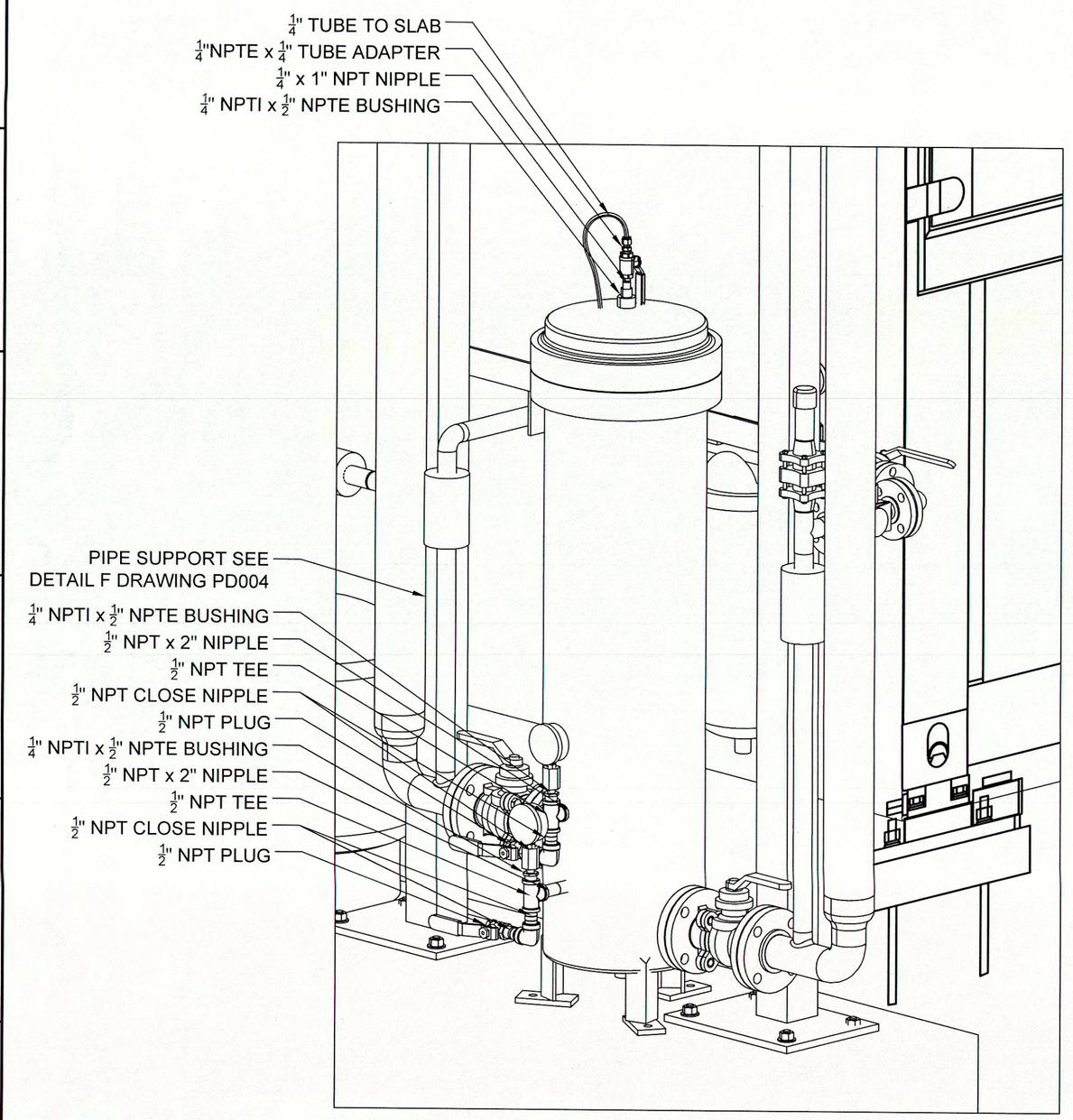
PIPING NOTES - UNLESS OTHERWISE SPECIFIED:

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 PRINTS BEARING PREVIOUS REVISION DATES.



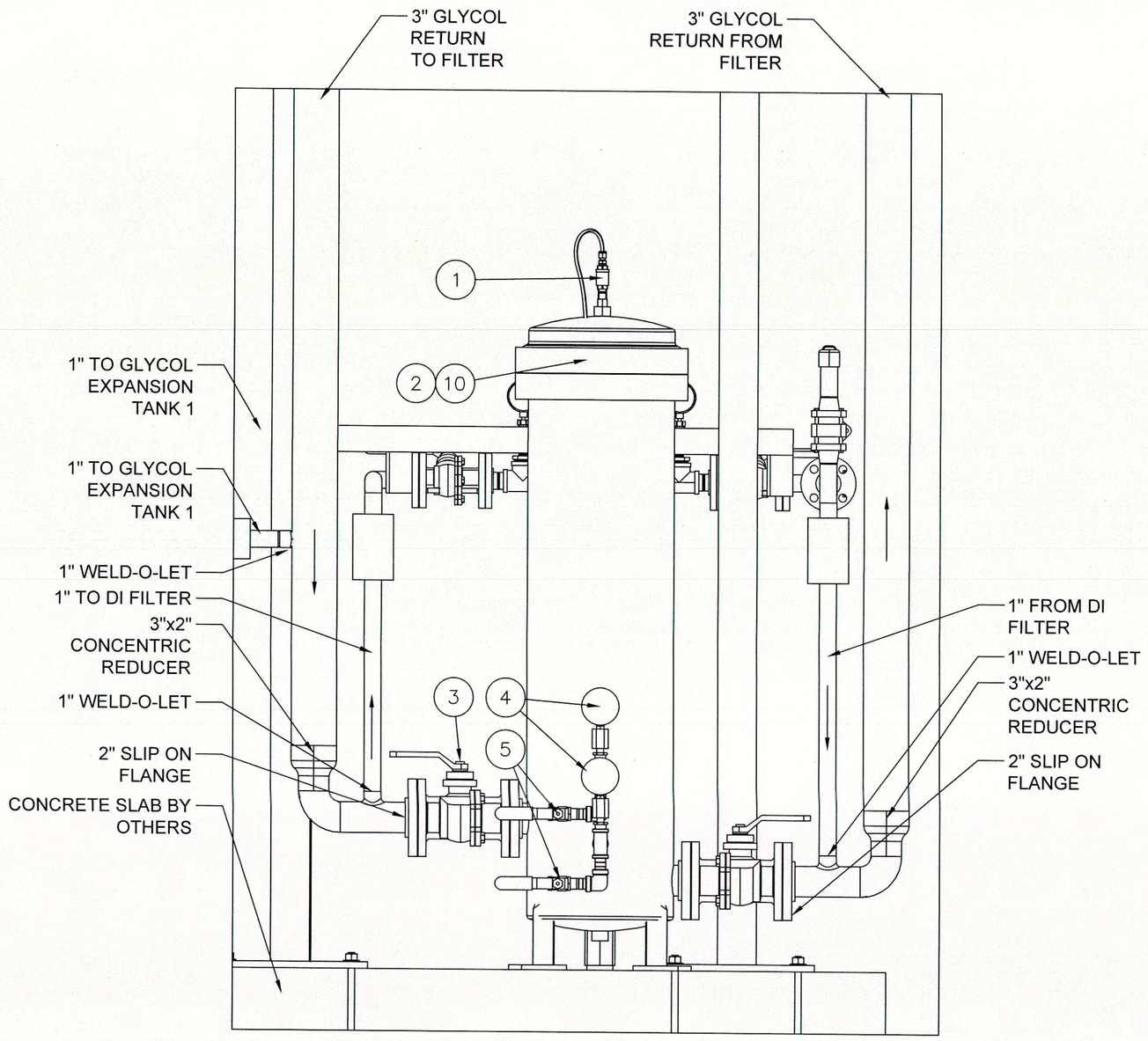
PICTORIAL DI FILTER PIPING VIEW

SCALE: NONE



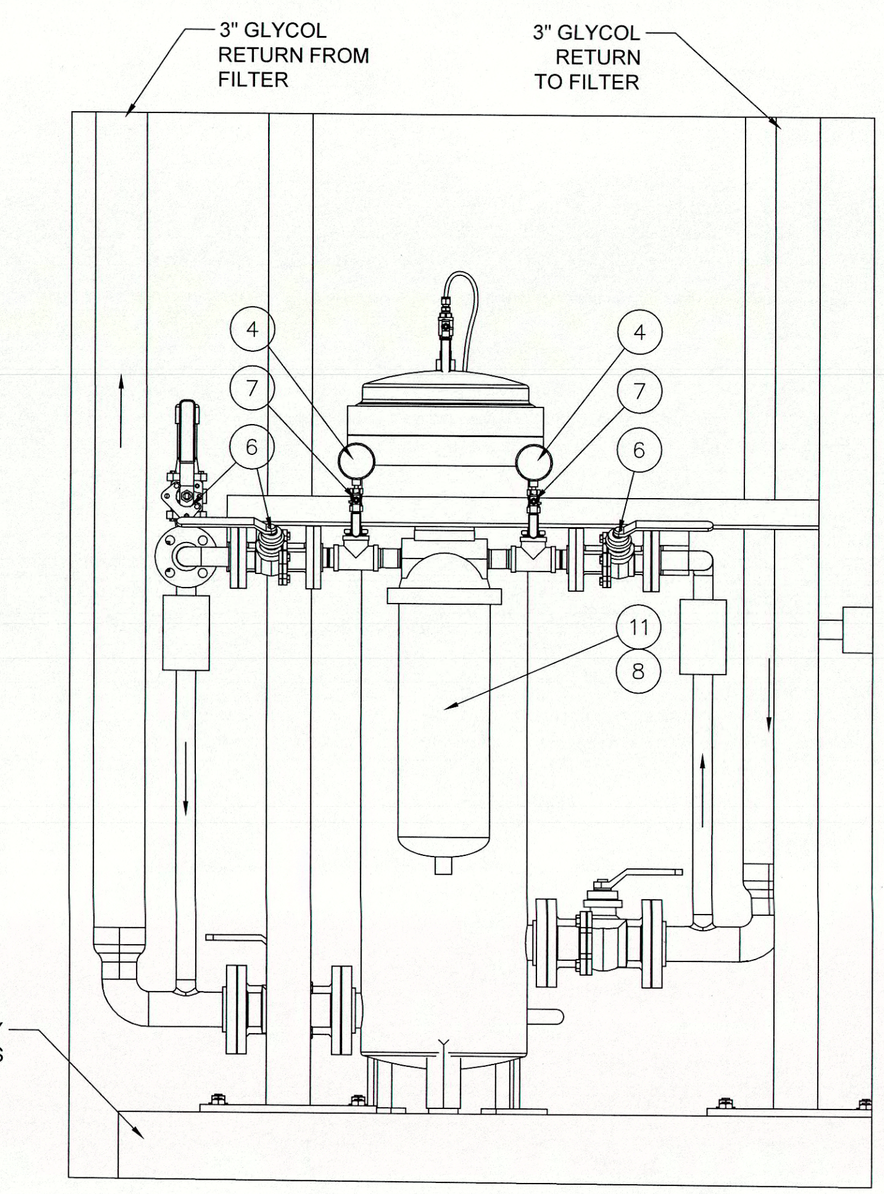
PICTORIAL FILTER PIPING VIEW

SCALE: NONE (HEATERS NOT SHOWN)



MAIN FILTER PIPING

SCALE: 1 1/2"=1'-0"



DI FILTER PIPING

SCALE: 1 1/2" =1'-0"

NOTE
WORK THIS DRAWING WITH:
PA001, PD001, PD002, PD003, PD004, PB001, PB002, PB003, PB004, PB006

OPTIMATION SOLUTIONS and SERVICES
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ISSUED FOR FABRICATION
DATE: 15JAN2018

REF. DWG.

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

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UNLESS OTHERWISE NOTED:
1) ALL DIMENSIONS ARE IN INCHES
2) BREAK ALL SHARP EDGES
3) TOLERANCES (NON ACCUMULATIVE):

FOR MACHINED SURFACES:		FOR FABRICATION, WELDMENTS, SAWCUT SURFACES, BENDS, ETC:	
DECIMAL 1 PLC.	±.03"		
DECIMAL 2 PLC.	±.01"		
DECIMAL 3 PLC.	±.005"		
FRACTIONAL	±1/64"	FRACTIONAL	±1/16"
ANGLES	±.5°	ANGLES	±1°

STATE OF NEW YORK — ALEX POLLOCK — No. 057138 — LICENSED PROFESSIONAL ENGINEER — 1/15/18

COMMONWEALTH OF MASSACHUSETTS — MINOTI H. IBRAHIM — No. 27931 — REGISTERED PROFESSIONAL ENGINEER

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CUST. APPRVD. | DATE

FILTER PIPING SHEET 2

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

SCALE 0 ½" 1" AT TRUE SCALE NOTED

OTI PROJECT NO. M17-1059

DRAWING NO. PB005

DWG. SIZE D | ISSUE A | SHT 1 OF 1

DATE/TIME: Jan 15, 2018 ** 9:33am ** FILE: P:\2017\M17-1059 EPS Eng-Vionx\QMS Docs\Drawings - Models\PB005.dwg ** USER: jhh