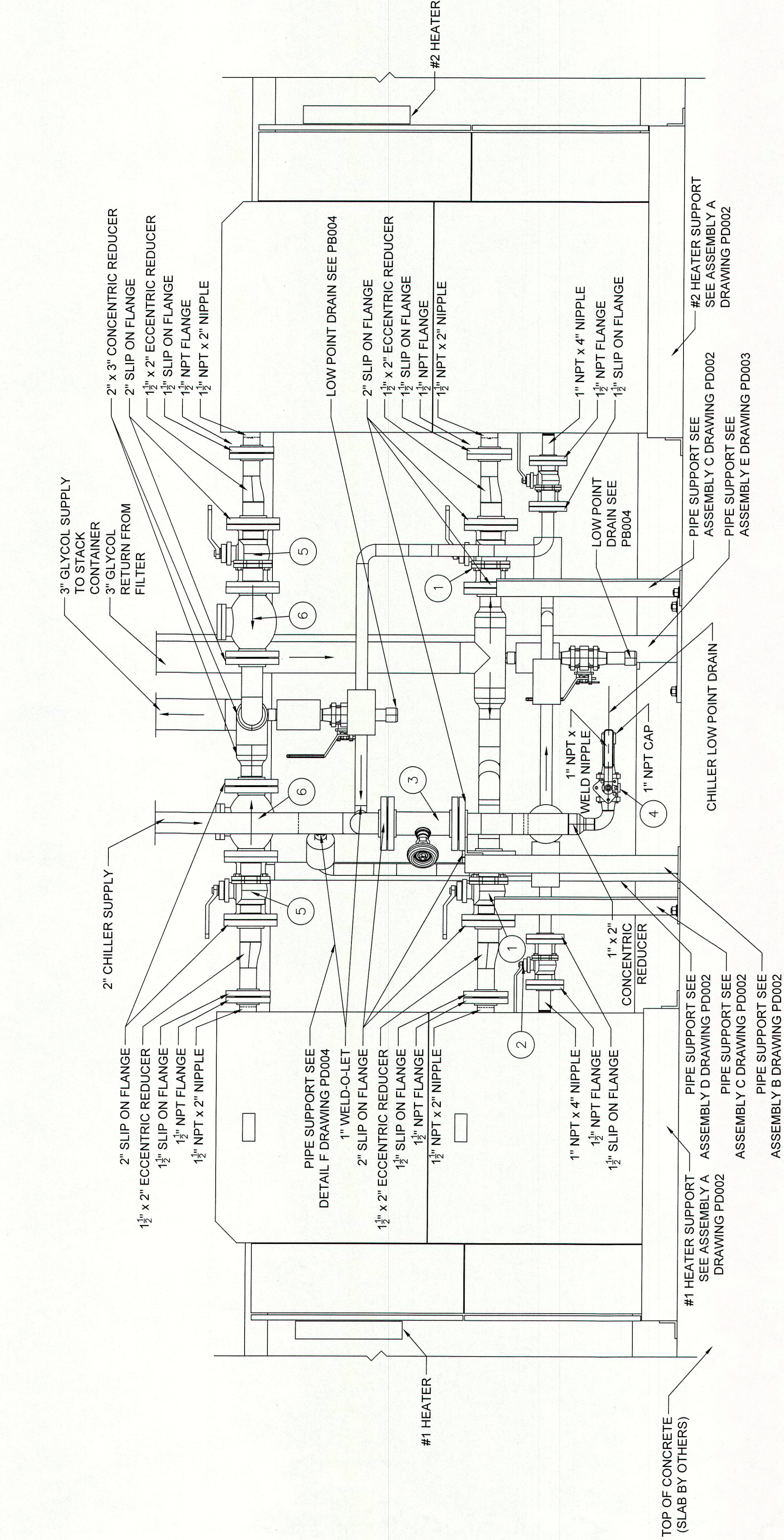


IDENTIFICATION		QTY./ ITEM	DESCRIPTION
ASSY	1		
1	2	VALVE - BALL, SST., 150 LB., RF., FULL PORT, 2" FLANGE,	
		LOCKING HANDLE.	
2	4	VALVE - BALL, SST., 150 LB., RF., FULL PORT, 1" FLANGE,	
		LOCKING HANDLE.	
3	1	VALVE - GLOBE, SST., 150LB., 2" FLANGE	
4	1	VALVE - BALL, SST., 150 LB., WELD, LOCKING HANDLE.	
5	2	VALVE - BALL, SST., 150 LB., FULL PORT, 2" NPT.,	
		LOCKING HANDLE	
6	3	VALVE - CHECK, SWING, SST, 150LB., 2" FLANGE	

EQUIPMENT LIST



#1 AND #2 HEATER PIPING

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

TYPICAL HEATER PIPING PICTORIAL

SCALE: NONE

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 160 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 3/4"-13 BOLTS. ALL FLANGES ARE RAISED FACE UNLESS NOTED.
8. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
9. VOID ALL PRINTS BEARING PREVIOUS REVISION DATES.

NOTE
WORK THIS DRAWING WITH:
PA001, PD001, PD002, PD003, PD004,
PB001, PB002, PB003, PB004, PB005

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www.optimation.com

ISSUED FOR
FABRICATION
DATE: 15/JAN/2018

REF. DWG.

ISSUE	DATE	BY	APPVD.	DESCRIPTION
A	15/JAN/2018	JHH/OTI		ISSUED FOR FABRICATION
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CONFIDENTIAL				

UNLESS OTHERWISE NOTED:
1) ALL DIMENSIONS ARE IN INCHES
2) BREAK ALL SHARP EDGES
3) TOLERANCES (NON ACCUMULATIVE):
FOR MACHINED SURFACES:
DECIMAL 1 PLC. ±.03"
DECIMAL 2 PLC. ±.01"
DECIMAL 3 PLC. ±.005"
FRACTIONAL ±.04"
ANGLES ±.5°
FRACTIONAL ±.1°
ANGLES ±.1°
FOR FABRICATION, SURFACES, EDGES, ETC.
SURFACES, EDGES, ETC.



HEATER PIPING				DWG. SIZE
				D
				ISSUE
				A
DRAWN	JHH/OTI	DATE	21NOV2017	OTI PROJECT NO.
CHECKED		DATE		M17-1059
APPRVD.		DATE		DRAWING NO.
				PB006
				SHT 1 OF 1

