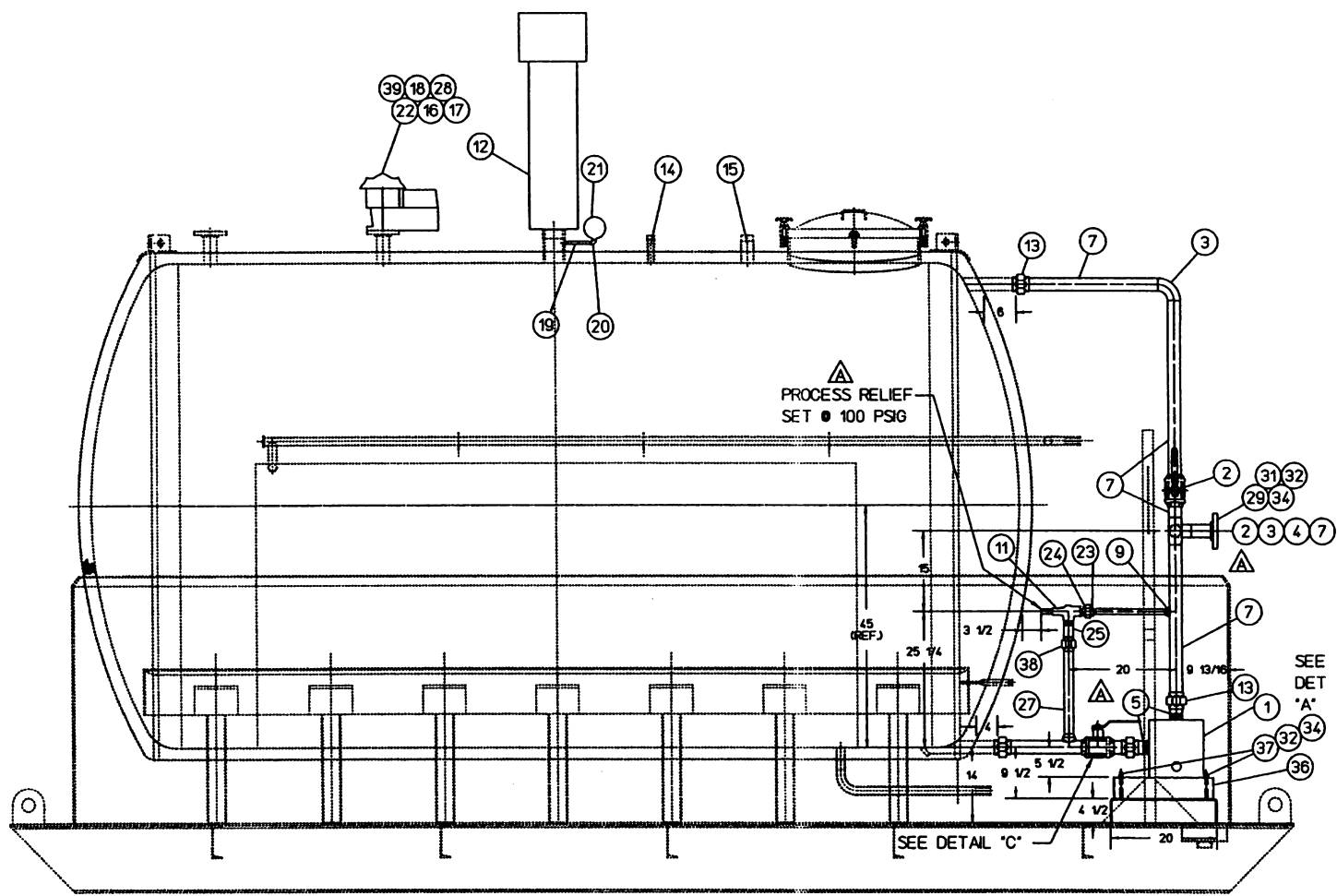
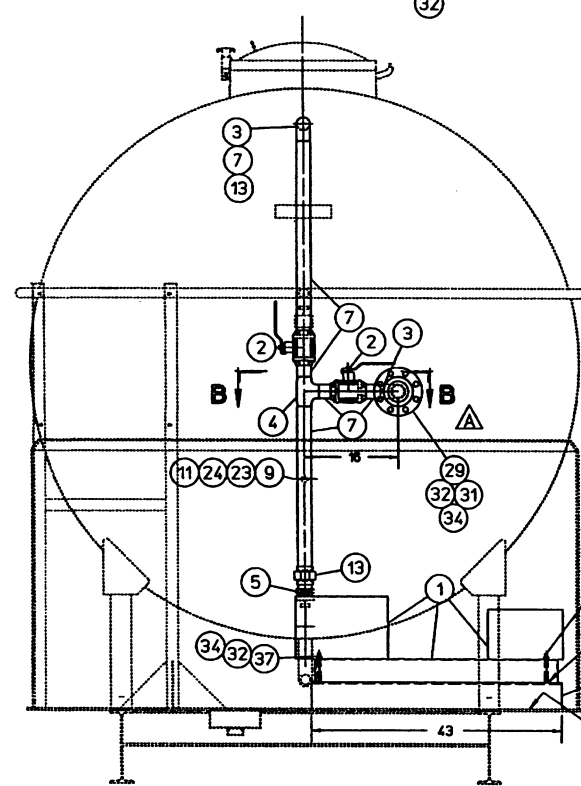
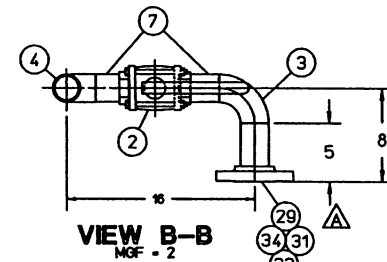
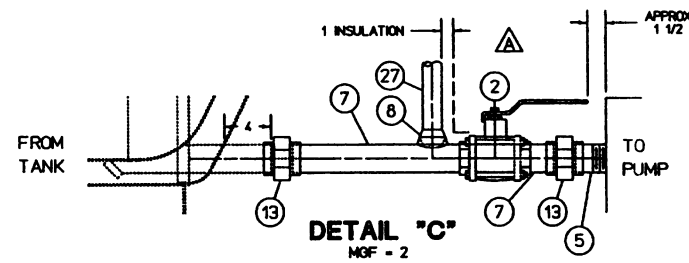


DETAIL "A"
MGF - 1



CUSTOM NO.	ITEM NO.	NO. REQ'D	PART NO.	DESCRIPTION	DRAWING NO.
	16	4	9829403	SCREW CAP HH .625-11NCx3 304 S/S SA193 GR B8	
	17	4	3200048	WASHER LOCK .625" 18-8 S/S MED	
	18	4	9824653	WASHER FLAT .625" 316 S/S	
	19	1	319W295778	NIPPLE 316L S/S .25"NPTx6"LG TBE	
	20	1	501505	ELBOW 316 S/S .25"NPT 90° 150# RATING	
	21	1	053W295778	GAUGE PRESS 0-3 PSIG 4"OAL 25"NPT BOT MT S/S CASE "NOSHOK" 40,200.3	
	22	1	055W295778	VALVE PRESS & VAC RELIEF VAREC #2010B-2-3-T-RF-TP-02-02	
▲	23	1	323W	NIPPLE PIPE .75" SCH40 316/316L S/S WELDED SA312 (TOE) (1104112)	NOTE #7
	24	1	9851292	UNION 316L S/S .75"NPT 150# SA182	
▲	25	A/R	325W330864	NIPPLE PIPE 125" SCH 40 316/316L S/S WELDED SA312 TOE (1104049)	NOTE #7
	26				
▲	27	A/R	325W330864	PIPE 125" SCH 40 316/316L S/S WELDED SA312 (1104049)	NOTE #7
	28	4	502246	NUT HEX .625-11NC 304 S/S REG (MAX ACROSS FLATS=.9375", MAX	
▲	29	1	329W	FLANGE SLIP-ON 2" 300# RF W/EXTENSION 5" OAL 316/316L S/S ANSI	
▲	30	1	9851313	BOLT PKG FOR 2" 300# FLG S/S	
▲	31	1	9804454	GASKET FLANGE 2" .125"THK SILICONE 2.5"ID X 3.625"OD	9900559 A
▲	32	4	3200047	WASHER LOCK .5" 18-8 S/S MED	
▲	33				
▲	34	4	9802269	NUT HEAVY HEX .5-13NC 18-8 S/S SA194 GR 8	
	35	1	059W298788	HEATING CABLE KIT	NOTE #3
	36	1	366W295778	PUMP MTO .25"THK C/S PL	
	37	4	511366	STUD THREADED .5-13NCx6.5"LG ZP CL2A THD	
	38	1	9851291	UNION 316L S/S 125"SW 150# SA182	
	39	1	9804454	GASKET FLANGE 2".125"THK SILICONE 2.5"IDx3.625"OD	9900559 A

CUST NO.	ITEM NO.	NO. REQ'D	PART NO.	DESCRIPTION	DRAWING NO.
		1	300W	PIPING & CONTROLS ASSEMBLY 4000 "SHW"	PC12446 D
	1.	1	031W332063	PUMP VIKING K-4724 GEAR PUMP 316 S/S CASING W/2" TAPPED SUCTION & DISCHARGE PORTS STD JACKETED BRKT JACKETED HEAD W/NO RELIEF VALVE VITON MECH SEAL STD CLEARANCES DRIVEN BY A VIKING B-SIZE REDUCER 6.27:1 RATIO APPRX 280 RPM OUTPUT W/ 1750 RPM INPUT SPEED POWERED BY A 3HP 1750 RPM 3/60/575V TEFC PREMIUM EFFICIENT MOTOR SUITABLE FOR INVERTER DUTY FULLY ASSY BY VIKING (QUOTE #0257505956BCL) THE BALDOR MOTOR COMPLIES WITH THE CSA 575V RATING FOR CANADA	
	2	3	9851288	VALVE BALL 2" APOLLO 86-200 SERIES S/S #86-200-03 FULL PORT 3 PIECE SOCKET WELD W/25" HANDLE EXT	
	3	2	9817815	ELBOW 316L S/S 2" BW 90DEG SCH40 LR ANSI B16.9 SA-403	
	4	1	9851295	TEE 316L S/S 2" X2" X2" SCH40 BW SA403 ANSI B16.9	
A	5	A/R	305W330864	NIPPLE PIPE 2" SCH40 316/316L S/S WELDED SA312 (T0E) (1104050)	NOTE #7
	6				
	7	A/R	305W330864	PIPE 2" SCH40 316/316L S/S WELDED SA312 (1104050)	NOTE #7
	8	1	9851297	FLEXOLET 316L S/S SCH40 BW 1.25" BRANCH X 2" HEADER SA182	
	9	1	9851298	FLEXOLET 316L S/S SCH40 BW 0.75" BRANCH X 2" HEADER SA182	
	10				
A	11	1	011W	VALVE RELIEF .75"NPTx1.25"FNPT KUNKLE #91BDEM-01AJE0100	
	12	1	037W295778	FILTER DESSICANT DES-CASE* DC-SS-30 W/ S/S BODY	SHIPS LOOSE
	13	4	9851290	UNION 316L S/S 2.0" SW 150# SA182	
	14	1	039W295778	SWITCH LIQUID LEVEL "ENDRESS HAUSER" LIQUIPHANT FTL51-AGM2CB4E5A FOR USE IN NON HAZARDOUS AREAS PROCESS CONNECTION .75"NPT SS316L 6"LO SS316L ELECTRONIC INSERT: FEL54 RELAY DPDT 19 TO 253 VAC 19 TO 55 VDC HOUSING: ALUM NEMA4X .75"NPT CABLE ENTRY	
	15	1	040W295778	TRANSMITTER LIQUID LEVEL "ENDRESS HAUSER" PROSONIC-M #FMU40-ANB1A4 FOR USE IN NON HAZARDOUS AREAS PROCESS CONN: 1.5"NPT 11.5 THRD 2-WIRE LOOP POWERED 4-20MA NO DISPLAY SELECTED HOUSING ALUM F12 COATED IP68/NEMA6P GLAND ENTRY: .5"NPT W/ TOF TOOL FOR PC CALIBRATION	

NOTES:

1. ALL DIMENSIONS ARE IN INCHES UNLESS SPECIFIED OTHERWISE.
- 2.
3. PROCESS AND OIL LINES TO BE HEAT TRACED BY:
ROGERS ELECTRIC, SIOUX CITY, IA
HEAT TRACE CONSISTS OF THE FOLLOWING:
 - A. HEATING CABLE "CHEMELEX" #20XTV2-CT-T2 HEAT TRACE CABLE
—32 FT. PER TANK.
 - B. "CHEMELEX" #GT66 GLASS TAPE (OR EQUAL) (1) ROLL PER TANK.
 - C. "CHEMELEX" #PMKG-LE END SEAL (ONE PER TRACE) 2 REQ'D. PER TANK.
 - D. "CHEMELEX" #JBX-100-A POWER CONN. W/ BOX (ONE PER TRACE) 2 REQ'D.
PER TANK.
 - E. "CHEMELEX" #PS-03 PIPE STRAP (ONE PER TRACE) 2 REQ'D. PER TANK
 - F. "CHEMELEX" #AMC-18 FIXED POINT LINE SENSING THERMOSTAT
(ONE PER TRACE) 2 REQ'D PER TANK.
 - G. "CHEMELEX" ETL ELECTRIC TRACED LABELS. 2 REQ'D. PER TANK.
- AFTER LINE HAVE BEEN HEAT TRACED THEY ARE TO BE INSULATED WITH
POLYSOCYANURATE (DOW TYMER 2000) 1" WALL THICKNESS.
AFTER INSULATING COVER INSULATION WITH CEELCO SEEL-TITE PVC
COVERING. JOINTS ARE TO BE CAULKED W/ DOW 99 HI-TEMP CAULKING.
- 4.
5. REQUIRED ELECTRICAL SUPPLY 3PH/60HZ/575V. CSA APPROVAL REQUIRED.
6. TEST HEAT TRANSFER PIPING W/ WATER @ 85 PSIG PRIOR TO INSULATING.
7. SHOP TO DETERMINE PIPE LENGTHS AT ASSEMBLY.

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**CERTIFIED CORRECT AND
RELEASED FOR FABRICATION**

FABRICATION WILL BE IN ACCORDANCE WITH
THIS DRAWING. ANY FURTHER CHANGES WILL
BE REVIEWED FOR COST AND DELIVERY
ADJUSTMENTS.

PAUL MUELLER COMPANY

FRONT VIEW



A		MORE ON FOR ITEM 27 WAS 1/4 3/4" - ADDED ITEM 23 WAS BETWEEN TAIL AND ITEM 27: ITEM 23 WAS PN 322633000-1120 WAS PN 026350000-1120 ITEM 23 WAS ITEM 27 WAS ITEM 27 CITY WAS 4000 GAL CITY CITY 0-1 ITEM 1 WAS PN 026726771 WITH PN AT 02: ITEM 1 QUAN WAS 2 ITEM 25 & 27 QUAN WAS		TAW	03/26/05	ALL MATERIALS OR COMPONENT PARTS CALLED OUT ON THIS DRAWING SHALL BE AS SPECIFIED OR APPROVED EQUAL This drawing and any print thereof is the property of the PAUL J. MUELLER CO., Springfield, Mo., and is subject to return on request of his company. The information shown is confidential and the recipient by accepting this drawing agrees not to use any information contained herein in any manner which will be detrimental to the PAUL J. MUELLER CO.		DRAWN BY M. MAHY DATE 3/16/05 REVIEWED BY A. EGCELL DATE 03/18/05	SALES ORDER/ITEMS: 3230263 SHW SCALE 3/4" = 12" SIZE 4000 GAL.	P. O. BOX 628 / SPRINGFIELD, MISSOURI 65804-0628, U.S.A. MUELLER	SYM. CHANGE REVISIONS	BY DATE	DRAWING NO. PC12446	D
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