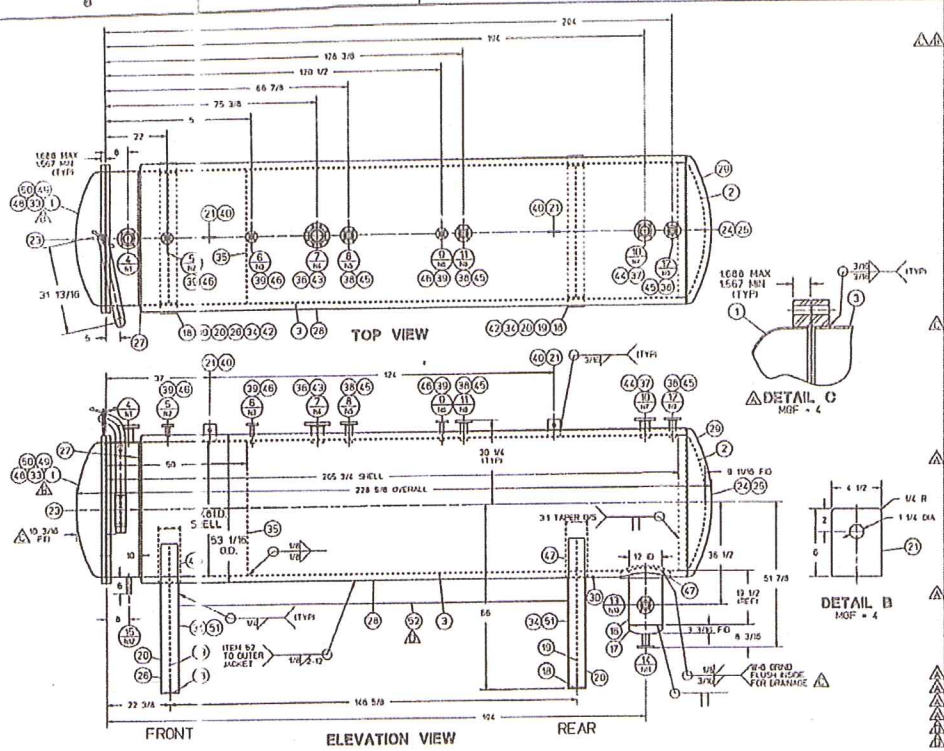
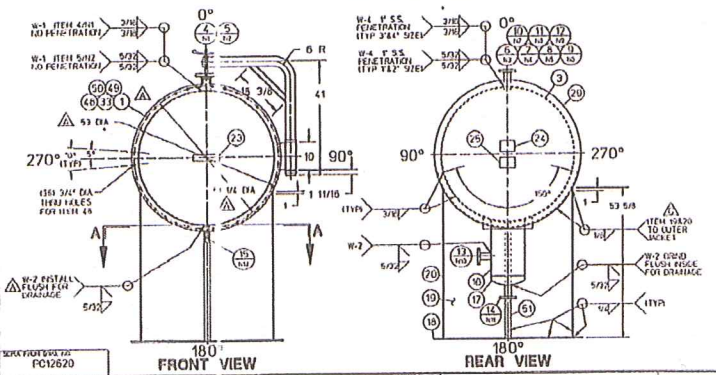
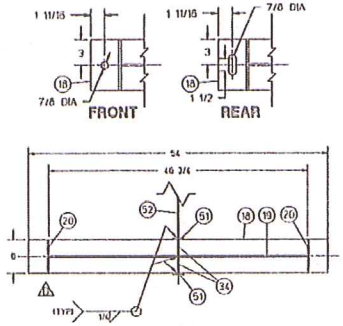


CUST NO.	ITEM NO.	NO. REQ'D	PART NO.	DESCRIPTION	DRAWING NO.
		1	V13	TANK ASSY 1600 GALLON MODEL "H" 304/304L S/S 15-408	PC13720
	1	1	H13W356208	MANWAY ASSY 304/304L S/S FLANGE BOLTED W/ HEAD ASME F&D 100A 28"ID	06010880
				3"XR 3"SF W/ 3" SCH80 DAVIT ARM & 3" SCH80 BASE	
	2	1	H03W356208	HEAD ASSY HEAD ASME F&D 100A 304/304L S/S 48"ID 3"XR 15"SF	
	3	1	S13W356208	SHELL .375" 304/304L S/S	
N1	4	1	0952607	FLANGE SLIP-ON 3" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N2	5	1	0952603	FLANGE SLIP-ON 1" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N3	6	1	0952609	FLANGE SLIP-ON 1" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N4	7	1	0952608	FLANGE SLIP-ON 4" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N5	8	1	0929004	FLANGE SLIP-ON 2" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N6	9	1	0952605	FLANGE SLIP-ON 1" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N7	10	1	0952607	FLANGE SLIP-ON 3" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N8	11	1	0929004	FLANGE SLIP-ON 2" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N9	12	1	0929004	FLANGE SLIP-ON 2" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N10	13	1	0929004	FLANGE SLIP-ON 2" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N11	14	1	0929004	FLANGE SLIP-ON 2" WKHT 8"0A 304L S/S 150# SCH 40 AS IS WELDS	
N12	15	1	F15W356208	DRAIN ASSY PIPE W/COUPLING 304/304L 1"SCH 40 (6900037#3201069)	
	16	1	S14W356208	SHELL ASSY SUMP 100A 304/304L S/S	
	17	1	D22W356208	HEAD ASSY SUMP ASME F&D 100A 304/304L S/S 12"ID 3"XR 9"SF	
	18	1	B19W356208 (6192525)	PLATE BASE .375" THK 304L S/S	
	19	2	C19W356208	SADDLE PLATE .25" THK 304L S/S	
	20	4	C20W356208	END PLATE .25" THK 304L S/S	
	21	2	710	LUG LIFTING .5"THK 304/304L S/S 4.5"LG X 6"TALL W/1.25"DIA HOLE	DETAIL B
	22	1	0901002	INSTRUCTION PKG SINGLE WALL TANKS	
	23	1	(REF) 3743	PLATE NAME, PROCESS 2.175 X 0.5 X .220A 304	
	24	1	(REF) 6903082	PLATE DATA, MUELLER .003"THK ALUMINUM FOIL	
	25	1	6851152	PLATE DATA "ASME" VESSELSHTS 18-8 S/S 5.5"X4"X.018"THK ETCHED	
	26	1		PERMANENT STAMPED SERIAL NUMBER	
	27	1	B30W356208	RING GREASE 100A 304 S/S	06005920
	28	1	J03W356209	JACKET 100A 304 S/S	
	29	1	H03W356208	HEAD OUTER STANDARD 100A 304 S/S	
	30	1	0928689	VENT JACKET PLUG NELOX 810 PART #102000# BLACK	
	31	A/R		INSULATION 2"THK FOAMGLAS	NOTE 19
	32	A/R		INSULATION 2"THK CALCIUM MAGNESIUM-SILICATE THERMAL CERAMIC	NOTE 19
	33	1	033W356208	GASKET MANWAY FLANGE TEFLON ENC. SILICONE 30.625"OD X 28.5"ID	
	34	4	B35W356208	SUPPORT PLATE SADDLE .25" THK 304L S/S	
	35	1	R35W356208	RING .375" X 2" FLAT BAR ROLLED TO 48"OD	
	36	1	E36W356208	ESCUTCHEON SWAGED 100A 304 S/S FOR 4" RFSO	
	37	1	E38W356208	ESCUTCHEON SWAGED 100A 304 S/S FOR 3" RFSO	
	38	3	E39W356208	ESCUTCHEON SWAGED 100A 304 S/S FOR 2" RFSO	
	39	3	E40W356208	ESCUTCHEON SWAGED 100A 304 S/S FOR 1" RFSO	
	40	2	E42W356208	ESCUTCHEON SWAGED 100A 304 S/S FOR LIFTING LUG	
	41				
	42	1	C42W356208	CHANNEL .25" X 2 1/4" X 8" 304 S/S BENT IN PIECES	
	43	1	0950048	COLLAR ASME 4" RMPW 316L S/S 4"O MADE FROM 100A ROLLED TO 4.5025"ID	90000758
	44	1	0922579	COLLAR ASME 3" PIPE 316L S/S 3"O MADE FROM 100A ROLLED TO 3.5025"ID	90000758
	45	3	0927580	COLLAR ASME 2" PIPE 316L S/S 4"O MADE FROM 2.5" SCH 40 PIPE	90000758
	46	3	0911418	COLLAR ASME 1" PIPE 304 S/S 2"O MADE FROM 1.25" SCH 40 PIPE	90000758
	47	1	C47W356208	CLOSURE 100A 304 S/S 4.5" TALL ROLLED TO 15"ID	
	48	36	3205113	SCREW CAP HH .625-11UNC2A 18-8 S/S WITH 3.5" THREAD LENGTH SA193 B8	
	49	36	3200930	NUT HEAVY HEX .625-11UNC 18-8 S/S SA194 GR 8	
	50	36	3200048	WASHER LOCK .625" 18-8 S/S MED	
	51	4	G51W356208	PLATE GRADE VERTICAL .25"THK X 2"W 304L S/S	
	52	1	G51W356208	PLATE GRADE HORIZONTAL .25" THK X 8"W 304L S/S	





NOTES:

1. ALL MATERIALS IN CONTACT WITH PRODUCT SHALL BE 304/304L S/S AS SPECIFIED OTHERWISE.
2. DIMENSIONS UNLESS OTHERWISE INDICATED ARE NOMINAL AND STANDARD SHOP TOLERANCES ARE TO BE EXPECTED. SITE FIT REQUIREMENTS FOR ANY FIELD ATTACHMENTS SHALL BE VERIFIED IN THE SHOP UNLESS BEFORE FABRICATION OF THE ATTACHMENTS.
3. CORROSION ALLOWANCE
   MUELLER FIELD OPERATIONS IS NOT RESPONSIBLE FOR CORROSION OR SUITABILITY FOR USE OF ANY MATERIAL IN ANY PARTICULAR APPLICATION. THE CORROSION RESISTANCE AND SUITABILITY FOR USE OF A MATERIAL IS DEPENDENT ON OPERATING ENVIRONMENT AND CONDITIONS (CHEMICAL PARTICLES AND PHASE GIVEN PARTICLES BEYOND THE CONTROL OF THE EQUIPMENT FABRICATOR. THE USER OF THE EQUIPMENT BEARS TOTAL RESPONSIBILITY FOR CORROSION OR SUITABILITY FOR USE OF ALL MATERIALS IN THEIR PARTICULAR APPLICATION.)
4. ALL FLANGES WILL HAVE BOLT HOLES STRADDLE THE GRAVITY & 90-270° CENTER LINES UNLESS SPECIFIED OTHERWISE.
5. VESSEL TO BE VENTED FOR SHIPMENT.
6. ALL DIMENSIONS ARE IN INCHES UNLESS SPECIFIED OTHERWISE.
7. ALL WELD SIZES ARE MINIMUM AS PER CODE.
8. CORROSION ALLOWANCE: 0 INCHES
9. PRODUCT SPECIFIC GRAVITY: 1
10. VESSEL DESIGNED FOR WIND LOAD: 85 MPH
11. VESSEL DESIGNED FOR SEISMIC ZONE: 1
12. COUPLER TO PROVIDE SEPARATE PIPE SUPPORT & PIPING EXPANSION JOINT TO PREVENT EXTERNAL NOZZLE LOADS.
13. FOR SITE TEST REQUIREMENTS SEE QUOTATION ITEM NO. 101

CERTIFIED BY PAUL MUELLER COMPANY
VESSEL

DIV.1			
MAWP	25	P.S.I. at	200 °F
MAEWP	0	P.S.I. at	200 °F
MDMT	-20 °F at	75	P.S.I

SERIAL NUMBER 357209 37-39
YEAR BUILT 2006

HEAT TRANSFER SURFACE

MAWP		P.S.I. at	°F
MAEWP		P.S.I. at	°F
MDMT	°F at		P.S.I.

MATERIAL FINISHES

INTERIOR	AS IS
EXTERIOR	AS IS

WELD FINISHES

INTERIOR	INDUSTRIAL AS IS
EXTERIOR	INDUSTRIAL AS IS HAND BRUSH

SPECIFICATIONS
VESSEL
CODE ASME
RADIOGRAPHY

Top Head	Top Head To Shell	Shell	Bottom Head	Bottom Head To Shell
NONE	NONE	NONE	NONE	NONE

HEAT TRANSFER
CODE
RADIOGRAPHY

Top Head	Top Head To Shell	Shell	Bottom Head	Bottom Head To Shell

S/C (CALLOUT) - MODEL: 1600 GAL "H"
SERIAL NUMBER: 357209 37-39

VESSEL INFORMATION

DESIGN PRESSURE	25 PSI	DESIGN TEMP	200 °F
HYDROTEST PRESSURE	33 PSI	DESIGN VACUUM	0 PSI

HEAT TRANSFER INFORMATION

DESIGN PRESSURE	PSI	DESIGN TEMP	°F
TEST PRESSURE	PSI	VOLUME	GAL

MATERIAL / GRADE
HEADS
SHELL S-401

EST. EMPTY WEIGHT = 4369 LBS
SCALE 5/8"=1'-0" DO NOT SCALE THIS DRAWING

DRAWN BY	D. HUTCHISON	DATE 08/11/06
REVIEWED BY	D. HUTCHISON	DATE 08/15/06
REVIEWED BY		DATE
APPROVED BY	L. O'CONNOR	DATE 09/08/06

SOLD TO ROSOURCE FUELS
ADDRESS CATOOSA, OK
CUSTOMER ORDER NO.
TITLE 1,600 GAL PRIMARY COALESCER (S-401)
QUANTITY THREE

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

REV	DESCRIPTION	BY	DATE
D	ADDED DETAIL C	DNH	01/09/08
C	CHANGED ITEM 21 FROM 1" THICK W 1.25" DIA HOLE TO 0.5" THICK W 1.25" DIA HOLE, ADDED DETAIL B, ADDED NOTE 9 FOR WELDING ADDED WELD SIZES ADDED NOTE FOR LUGS See ECO# 6903082	DNH	01/04/08
B	ADDED DETAIL B FOR MANWAY, DELETED ITEM 21 PER ECO# 6903082 (ITEM 21 IS NOW A PLATE) ADDED NOTE 9	TDM	05/10/07
A	ADDED DETAIL A FOR MANWAY, DELETED ITEM 21 PER ECO# 6903082 (ITEM 21 IS NOW A PLATE) ADDED NOTE 9	TDM	05/10/07
SYM	CHANGE	BY	DATE

REVISIONS

MUELLER FIELD OPERATIONS
PO BOX 909
SPRINGFIELD MISSOURI USA

PMFO REFERENCE NO. 357209 37-39

SALES ORDER & SERIAL NO. 206013

DRAWING NO. PC13242 D

SCALE FOR PDF ONLY NO. PC12620