
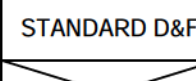


8		
DRAWING SCHEDULE		
DRAWING TITLE		DRAWING NO.
GENERAL ARRANGEMENT DRAWING FOR 400 BBL LAGERING TANK		
MAIN ASSEMBLY DRAWING FOR 400 BBL MODEL H LAGERING TANK		
INSULATION, OUTER JACKET & SADDLE/LEGS FOR 400 BBL TANK		
LEVEL GAUGE AND CIP PIPING FOR 400 BBL MODEL H LAGERING TANK		
TEMP-PLATE ASSEMBLY INFLATED ON SHELL		
JACKET OUTER 12GA & 7GA 304 S/S		

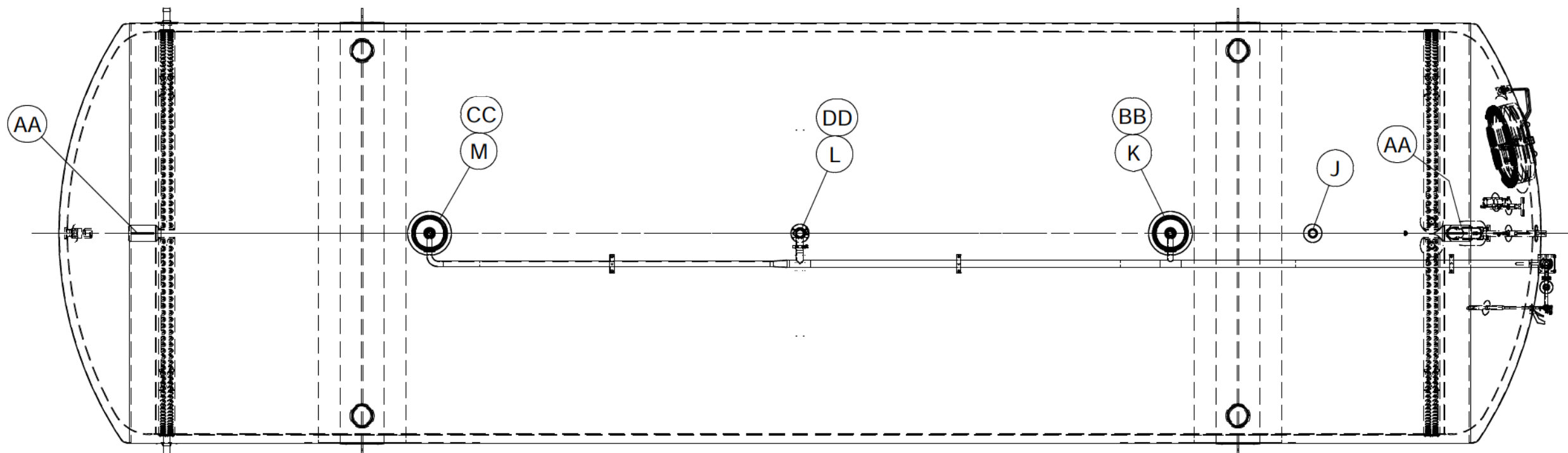
CUST. MARK		MARK	DESCRIPTION
	AA		LIFTING LUG WITH 2 1/8" DIA. HOLE
	BB		DOWN TUBE ASSY CIP 1 1/2" T/C INLET DN200 MOUNT WITH TOFTEJORG SANI-MAGNUM SPRAYBALL #TE1B110
	CC		DOWN TUBE ASSY CIP 1 1/2" T/C INLET DN200 MOUNT WITH TOFTEJORG SANI-MAGNUM SPRAYBALL #TE1B110
	DD		CHECK VALVE CO2/CIP 2" T/C 304 S/S ALFA LAVAL FLOW, INC
	EE		THERMOWELL 1/2" NPT X 10 1/8" LG W/ .260" DIA BORE 316L S/S
	FF		THERMOMETER DIAL ANDERSON #500090 DUAL 25-125°F / 0 -50°C
	GG		THERMOWELL PYROMATION #WS-4-12-09 WELD IN 1/2" NPT .260" BORE 12" 316L S/S
	HH		THERMOWELL PYROMATION #WS-4-12-09 WELD IN 1/2" NPT .260" BORE 12" 316L S/S
	JJ		INSULATION 2" THICK FIBERGLASS, FOAMGLAS & URETHANE (PROJECT NOTE 3)
	KK		SAMPLE VALVE 1/2" T/C PERLUCK #F38304SS WW/EPDM FDA APPROVED SEAT CUP
	LL		BREWERY STYLE SIGHT TUBE ASSEMBLY
	MM		BUNGING APPARATUS, SPRING LOADED VALVE HANDTMANN DN25
	NN		RTD PYROMATION #R1T185L483-012-SL-8HN31 SINGLE ELEMENT 3 WIRE 12" LENGTH 316 S/S

4		3			2	
NOZZLE SCHEDULE						
CUST. MARK	MARK	LOCATION	SIZE	TYPE	MAT'L TYPE	SERVICE
	A	FRONT HEAD	15" X 20"	MC3-70	316/316L S/S	MANWAY W/ WHITE NEOPRENE GASKET
	B	FRONT HEAD	50mm	DN FITTING	304 S/S	UNKNOWN
	C	FRONT HEAD	80mm	DN FITTING	304 S/S	OUTLET
	D	SHELL	1 1/2"	NPT NIPPLE	304 S/S	HEAT TRANSFER INLET
	E	SHELL	1 1/2"	NPT NIPPLE	304 S/S	HEAT TRANSFER INLET
	F	SHELL	1 1/2"	NPT NIPPLE	304 S/S	HEAT TRANSFER OUTLET
	G	SHELL	1 1/2"	NPT NIPPLE	304 S/S	HEAT TRANSFER OUTLET
	H	FRONT HEAD	50mm	DN FITTING	304 S/S	CIP MANIFOLD INLET
	J	SHELL	2"	T/C FERRULE	316/316L S/S	RUPTURE DISC
	K	SHELL	200mm	DN FITTING	304 S/S	CIP MOUNT
	L	SHELL	2"	T/C FERRULE	316/316L S/S	CHECK VALVE MOUNT
	M	SHELL	200mm	DN FITTING	304 S/S	CIP MOUNT
	N	MANWAY	1/2"	T/C FERRULE	316/316L S/S	SAMPLE VALVE MOUNT
	P	REAR HEAD	50mm	DN FITTING	304 S/S	UNKNOWN
	R	FRONT HEAD	3/4"	T/C FERRULE	316/316L S/S	SIGHT TUBE MOUNT

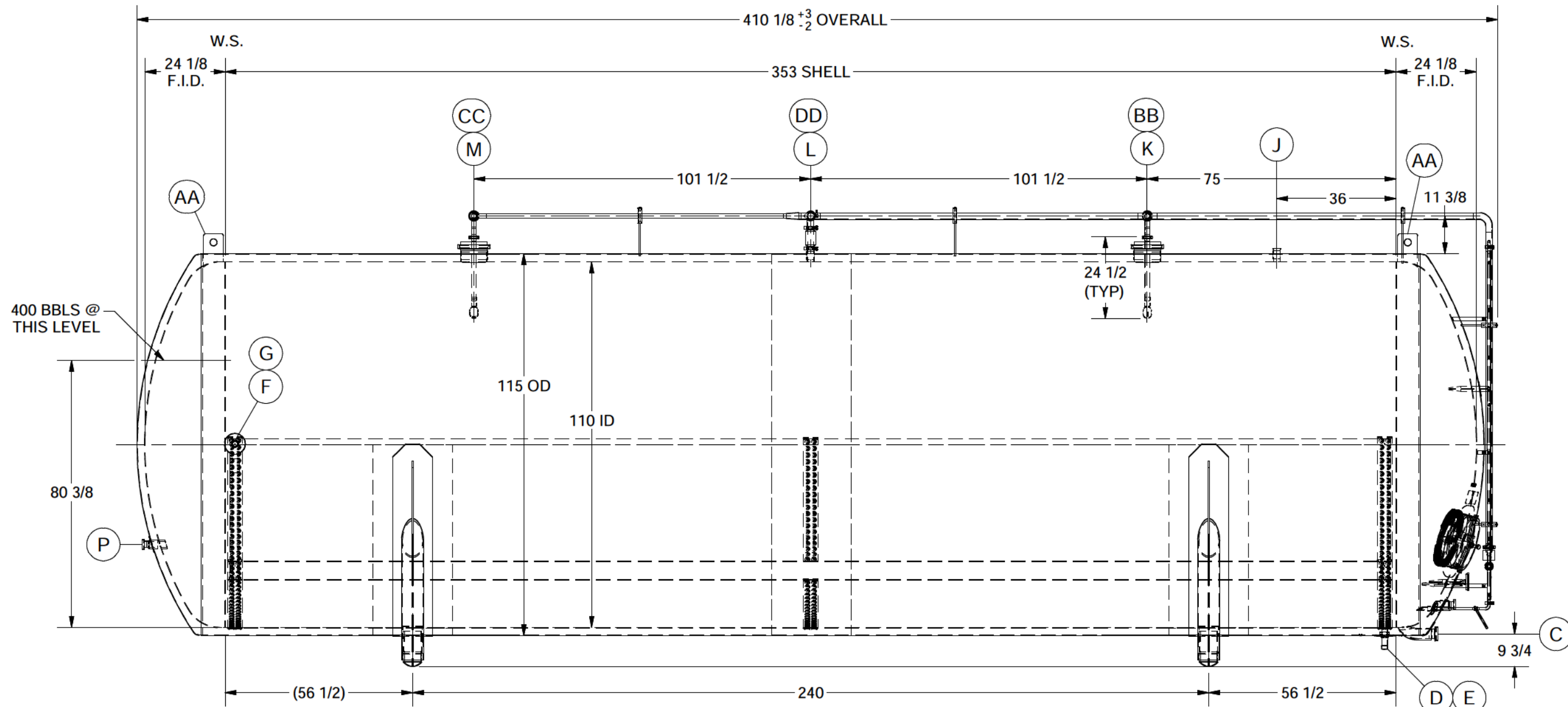
1 MAJOR COMPONENTS					
	ITEM	TYPE	THK	MATL TYPE	SPEC. NO.
HEADS	TOPILEFT INNER	CUSTOM D&F	7GA	304 S/S	SA-240
	BOTTOM/RIGHT INNER	CUSTOM D&F	7GA	304 S/S	SA-240
	TOPILEFT OUTER	STANDARD D&F	10GA	304 S/S	SA-240
	BOTTOM/RIGHT OUTER	STANDARD D&F	10GA	304 S/S	SA-240
	INNER		PROJECT NOTE 4	304 S/S	SA-240
SHELLS	OUTER		7GA & 10GA	304 S/S	SA-240
	TOPILEFT HEAD	-	-	-	-
	SHELL	INFLATED	18GA	304 S/S	SA-240
	BOTTOM/RIGHT HEAD	-	-	-	-

GENERAL NOTES:

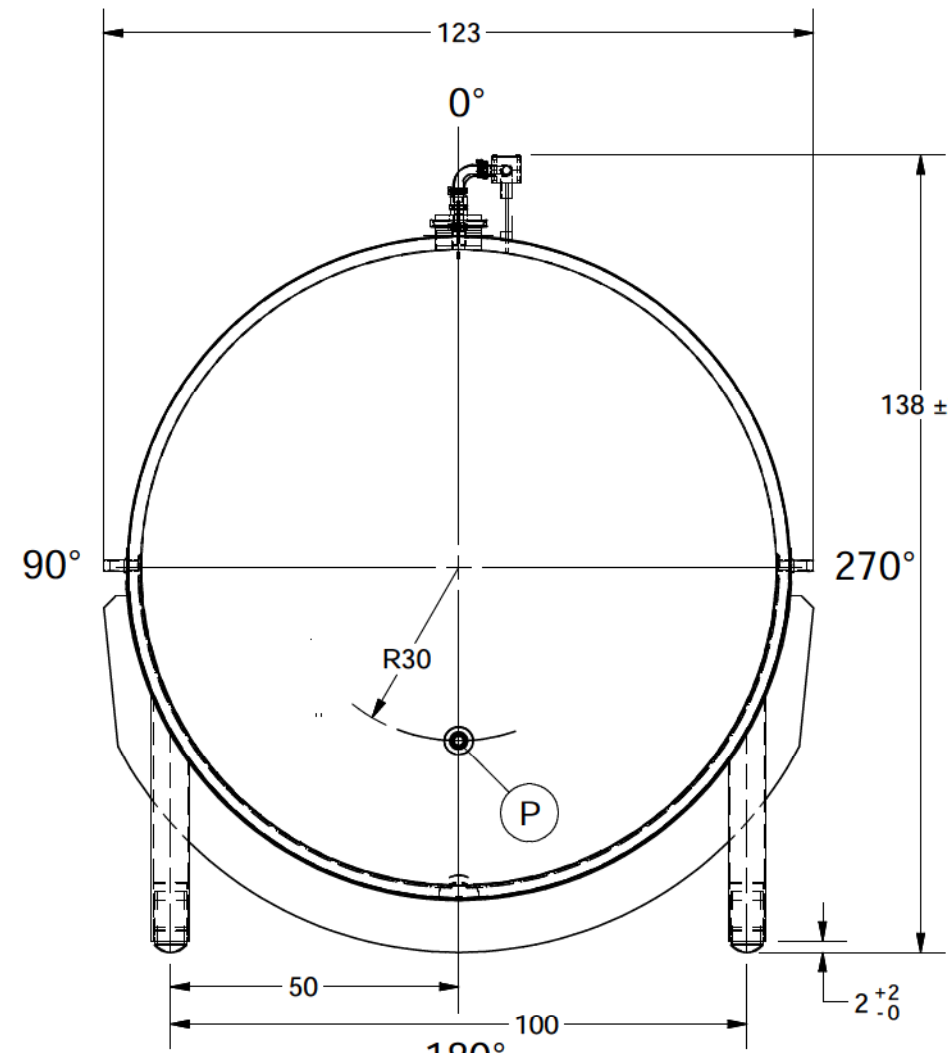
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE NOMINAL AND ALL EXPECTED TOLERANCES ARE: LINEAR: $\pm 1/4$ AND ANGULAR: ± 1 DEG. MEASUREMENTS FOR ANY FIELD ATTACHMENTS MUST BE VERIFIED ON SITE BY OTHERS BEFORE FABRICATION OF THE ATTACHMENTS.
2. CORROSION DISCLAIMER
PAUL MUELLER COMPANY 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 THE OPERATING ENVIRONMENT AND CONDITIONS, CLEANING PRACTICES, AND MANY OTHER FACTORS 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!
3. VESSEL TO BE VENTED FOR SHIPMENT.
4. CORROSION ALLOWANCE: 0 INCHES.
5. UNLESS OTHERWISE NOTED ON THE DRAWINGS, VESSEL NOZZLES ARE NOT DESIGNED FOR EXTERNAL LOADINGS OF ANY KIND. CUSTOMER IS RESPONSIBLE TO ENSURE THAT CONNECTING PIPING IS ACCURATELY ALIGNED, PARALLEL, ADEQUATELY SUPPORTED AND WITHOUT STRAIN. NEW FORCE TO DRAW PIPING INTO POSITION FOR MATING WITH VESSEL NOZZLES, WHICH CAN IMPOSE DANGEROUS STRAINS AND POTENTIALLY DAMAGE THE VESSEL.
6. CERTAIN ITEMS ARE INDICATED TO BE SHIPPED LOOSE FROM THE MAIN ASSEMBLY. ADDITIONAL ITEMS MAY BE DISASSEMBLED AND SHIPPED LOOSE DUE TO TRANSPORTATION CONSTRAINTS. REFER TO THE PACKING LIST FOR A COMPLETE RECORD OF ITEMS SHIPPED.



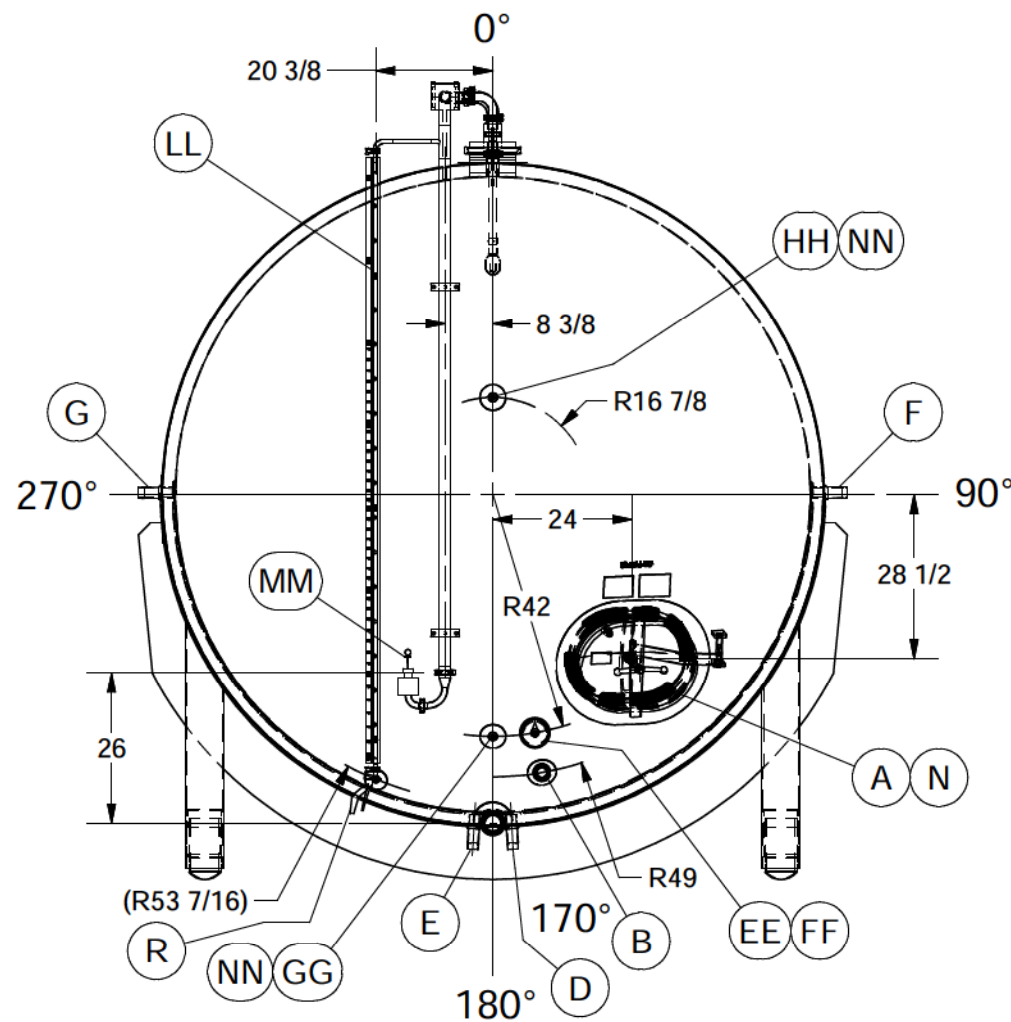
TOP VIEW



ELEVATION VIEW



REAR VIEW



FRONT HEAD AND SHELL ORIENTATION

<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div>		<div style="border: 1px solid black; width: 200px; height: 30px; margin: 0 auto;"></div>			
		CERTIFIED BY PAUL MUELLER COMPANY VESSEL			
DIV.1 W RES	MAWP	20	P.S.I. at	100	F
	MAEWP	0	P.S.I. at	100	F
	MDMT	-20	F at	20	P.S.I.
	SERIAL NUMBER	1812129301-01			
	YEAR BUILT	2013			
	HEAT TRANSFER SURFACE				
MAWP	100	P.S.I. at	100	F	
MAEWP	0	P.S.I. at	100	F	
MDMT	-20	F at	100	P.S.I.	
		BBT8			
		<div style="border: 2px solid black; padding: 2px; display: inline-block;"> MUELLER </div>			

F	CUSTOMER TAG NO. WAS "B819" ADDED CUSTOMER TAG NUMBER TO ASME DATA PLATE**		4/3/2013		4/3/2013	
E	ADDED STRIP OF URE THANE INSULATION ALONG TOP OF TANK TO PROJECT NOTE 3**		3/25/2013		3/26/2013	
D	HEAT TRANSFER AREA WAS 380.4 SQ FT & VOLUME WAS 2.26 CU FT**		1/15/2013		2/26/2013	
C	ADDED "ASME APPROVED BY SIGNATURE"		12/26/2012		12/26/2012	
B	RELEASE FOR PRODUCTION ADDED DWG SCHEDULE**		11/29/2012		12/10/2012	
A	ISSUE FOR CUSTOMER APPROVAL		10/29/2012			
REV	DESCRIPTION	REVISIONS	BY	DATE	REVIEW	DATE

INTERIOR FINISHES	
MATERIAL	#4 POLISH
WELDS	FINE GRIND #4

EXTERIOR FINISHES	
MATERIAL	PROJECT NOTE 6
WELDS	PROJECT NOTE 6


DESIGN SPECIFICATIONS	
SIZE (GALLONS) - MODEL <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 400 BBL H </div>	SERIAL NUMBER <div style="border: 1px solid black; padding: 2px; text-align: center;">18121229301-01</div>
VESSEL INFORMATION	
DESIGN PRESSURE <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 20 PSI </div>	DESIGN TEMP. <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 100 °F </div>
HYDRO TEST PRESSURE <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 28 PSI </div>	DESIGN VACUUM <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 0 PSI </div>
HEAT TRANSFER INFORMATION	
DESIGN PRESSURE <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 100 PSI </div>	DESIGN TEMP. <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 100 °F </div>
TEST PRESSURE <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 130 PSI </div>	DESIGN VACUUM <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 0 PSI </div>
HEATING / COOLING	
MEDIUM <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> NONE GLYCOL </div>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>

CODES	
VESSEL:	ASME SECTION VIII DIV 1, 2010 EDITION, 2011 ADDENDA
HEAT TRANSFER:	ASME SECTION VIII DIV 1, 2010 EDITION, 2011 ADDENDA

STRUCTURAL SPECIFICATIONS	
SEISMIC CODE:	IBC 2009
SEISMIC FACTORS:	SS=0.164, S1=0.059
WIND LOAD:	-
LIVE LOAD:	-
SNOW LOAD:	-
SPECIFIC GRAVITY:	1.1
NOZZLE LOADS:	GENERAL NOTE 5
ESTIMATED WEIGHTS (LBS):	
EMPTY:	18,120
FULL AT INDICATED LEVEL:	115,593

PROCESS SPECIFICATIONS	
HEAT TRANSFER:	
AREA:	389.8 SQ. FT.
VOLUME:	2.48 CU. FT.
PROCESS:	COOL BEER FROM 78°F TO 32°F IN 36 HOURS USING 26°F GLYCOL
AGITATION:	
MAX. VISCOSITY (CPS):	-
PROCESS:	-
CIP:	
FLOW:	140 GPM
PRESSURE:	35 PSI
VENTING:	
FILL RATE (MAX):	-
EMPTY RATE (MAX):	-

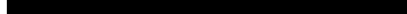
DRAWN BY [REDACTED]	DATE 10/29/2012
DESIGN REVIEWED BY [REDACTED]	DATE 11/20/2012
PROCESS REVIEWED BY [REDACTED]	DATE 11/20/2012
STRUCTURAL REVIEWED BY [REDACTED]	DATE 11/20/2012
ASME APPROVED BY [REDACTED]	DATE 12/26/2012

SOLD TO _____
ADDRESS _____
CUSTOMER ORDER NO. _____
CUSTOMER TAG NO. _____  BBT8

TITLE

GENERAL ARRANGEMENT DRAWING
FOR 400 BBL MODEL H
LAGERING TANK

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<p style="text-align: center;">MUELLER P. O. BOX 828 / SPRINGFIELD, MISSOURI 65801-0828, U.S.A.</p>	
<p>SERIAL NO. 18121229301-01</p>	<p>DRAWING NO. </p>