

ITEM	SIZE	QTY	DESCRIPTION	REQUIRED DRAWINGS	SERVICE	DESIGN DATA			
A	16" X 20"	1	STANDARD INSULATED ELLIPTICAL INSIDE SWING MANWAY WITH 1-1/2" SANITARY CLAMP CONNECTION GASKET AND SS GRAB HANDLE	2501104	MANWAY	VESSEL NOMINAL CAPACITY: 20,000 GALLONS			
B	6"	1	RFSO 150# FLANGE CONNECTION (LESS VALVE)	-	OUTLET	TANK DESIGN CONDITIONS: ATMOSPHERIC OPERATION HEAT TRANSFER ASME CODE U/M STAMPED MAX PRESSURE: 100 PSIG MAX TEMPERATURE: 175° F MIN TEMPERATURE: -20° F			
C	4"x6"	1	4" SANITARY CLAMP CONNECTION W/REMOVABLE NO-FOAM INLET, MOUNTED IN A 6" SANITARY CLAMP CONNECTION IN THE TOP HEAD	-	NO-FOAM INLET	3A SANITARY CONSTRUCTION FOR LIQUID SWEETNER STORAGE SEISMIC DESIGN ZONE 4			
D	6"	1	150# RFSO FLANGE CONNECTION FOR RUPTURE DISC (LESS RUPTURE DISC)	-	RUPTURE DISC	VESSEL MATERIAL: SPEC: GRADE THICKNESS/CLASS NOTES			
E	4"	1	4" O.D. TUBING WITH A SANITARY CLAMP CONNECTION @ 45° FROM UPPER SIDEWALL LESS PIPING	-	OVERFLOW	UPPER SHELL: SA-240 304 12 GA. (0.1050") 144" I.D. X 16'-0"			
F	6"	1	REMOVABLE VENT	6026257	VENT	LOWER SHELL: SA-240 304 10 GA. (0.1350") 144" I.D. X 9'-0"			
G	2" X 4"	1	SPRAY DISH WELDED IN THE TOP HEAD WITH A 4" SANITARY CLAMP CONNECTION AND A REMOVABLE 2" SANITARY CLAMP CONNECTION FOR INSPECTION	CD11320	CIP	TOP HEAD (F&D): SA-240 304 10 GA. (0.1350") 144" I.D.			
H	1/2"	2	STAINLESS STEEL PROJECTILE WELL (PYROMATION WB1-29.5)	-	THERMOWELLS	BOTTOM HEAD (FLAT/PITCHED): SA-240 304 10 GA. (0.1350") 144" I.D., PITCHED 3/4" PER FOOT			
J	2"	1	SANITARY CLAMP CONNECTION IN LOWER SIDEWALL FOR LEVEL (LESS DEVICE)	-	LEVEL	TOP SHEATHING HEAD (F&D): SA-240 304 10 GA. (0.1350") 150" I.D.			
K	-	1	HORIZONTAL, CP-ABLE AGITATOR WITH A 24" DIA 3 BLADED TURBINE, ANGLE MOUNTED IN THE LOWER SIDEWALL, POWERED BY A 5 HP SINGLE SPEED, INVERTER DUTY, TEFC EURODRIVE KA67D100L4 GEARMOTOR, OPERATING @ 111 RPM 230/460/60/3 (LESS SWITCH) INCLUDES STAINLESS STEEL BRAIDED HOSE FOR CIP HOOP-UP, TEFLOON PACKING SEAL DESIGNED FOR USE IN SYRUP AND FOOD GRADE LUBE IN GEAR BOX	A186706	AGITATION	SIDE WALL SHEATHING: SA-240 304 12 GA. (0.1050") SEE NOTE # 2			
L	-	1	STAINLESS STEEL - DOUBLE PIPE SAFETY RAIL ON THE TOP HEAD W/ 6" KICK PLATE, 12" STEP THRU AND HINGED LOCKABLE GATE (BOLTED CONSTRUCTION) FACTORY FIT UP AND SHIPPED LOOSE FOR FIELD INSTALL BY OTHERS	2500760 2501390	HAND RAIL	BOTTOM HEAD BACKER: SA-36 CARBON STEEL 1/4" (0.2500")			
M	1-1/2"	2	PIPE NIPPLES FOR HEAT TRANSFER INLET AND OUTLET CONNECTIONS (LESS CONTROLS)	CD11309	HEAT TRANSFER	BASE ASSEMBLY: SA-36 CARBON STEEL - SEE NOTE # 4			
N	-	3	STAINLESS STEEL LIFTING LUGS (NOT SHOWN)	-	LIFTING LUGS	SANITARY FERRULES: SA-479 304 -			
P	-	1	STAINLESS STEEL CIP DOOR FOR USE DURING CIP	2501027	CIP DOOR	THERMOWELL: SA-479 316L -			
R	-	2	STAINLESS STEEL CONTINUOUS RING SEGMENTS 1/2" x 6" ROLLED TO 141 I.D. SUPPLIED BY FELDMER (1 SET FOR FUTURE TANK)	-	HOLD DOWNS	PRODUCT CONTACT TUBE: SA-249 304 -			
S	2"	1	SANITARY CLAMP CONNECTION FOR HIGH LEVEL ALARM	-	ALARM	FLANGE CONNECTIONS: SA-182 304 150# RFSO -			
T	-	1	STAINLESS STEEL OSHA APPROVED CAGED LADDER WITH EXTEND STEP AND BOLT ON CONSTRUCTION (SHIP LOOSE - FIELD INSTALL BY OTHERS)	2501353	LADDER	PRODUCT CONTACT PIPE: SA-312 304 SCH 40 -			

**GENERAL NOTES**

- ALL PRODUCT CONTACT MATERIAL TO BE 304 SS UNLESS NOTED OTHERWISE.
- ALL SHEATHING PENETRATIONS TO BE FLARED AND SILICONE CALKED.
- CARBON STEEL HONEYCOMB BASE TO BE PAINTED WITH RUST INHIBITOR PRIMER.
- CA PE STAMPED REQUIRED FOR SEISMIC ZONE 4.

**ASME NOTES**

- MATERIALS & CONSTRUCTION PER ASME SECTION VIII, DIV 1, 2004 EDITION: 2005 ADDENDA.
- ALL WELDERS AND WELDING PROCEDURES ARE CERTIFIED IN ACCORDANCE WITH ASME SECTION IX.
- SEE NAMEPLATE DETAILS FOR CODE STAMPING REQUIREMENTS.
- VESSEL IS EXEMPT FROM IMPACT TESTING PER UHA-51(6)(a).
- NATIONAL BOARD NUMBER TO BE ASSIGNED AT VESSEL COMPLETION.
- YEAR IN WHICH COMPLIANCE WITH ALL CODE REQUIREMENTS HAVE BEEN MET IS TO BE STAMPED IN THIS SPACE.
- HEAT TRANSFER DESIGN OPTIONS: SYR. OPTION # 3 - REV A.
- HEAT TRANSFER JACKET ASME CODE BOUNDARY ENDS AT THE FIRST CIRCUMFERENTIAL JOINT OF THE INLET & OUTLET PIPE NIPPLES. REF ASME SECTION VIII, U-1(e)(1)(c).
- ALL GROOVE & BUTT WELDS ARE TO BE FULL PENETRATION UNLESS NOTED OTHERWISE.
- REFER TO BILL OF MATERIALS #867-06 FOR SUB ASSEMBLIES.
- REFER TO DRAWING CD11309 FOR DIMPLE SHELL AND MANIFOLD DETAILS.

INTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH
WELDS:	150 GRIT

EXTERNAL FINISH SPECIFICATION:	
MATERIAL:	#4 FINISH
WELDS:	CLEANED ONLY TO REMOVE DISCOLORATION

APPROXIMATE WEIGHTS:	
EMPTY VESSEL:	22,600 LBS.
FULL @ NOM. CAPACITY:	189,320 LBS.
USING PRODUCT S.G.=1.0	

**CIP REQUIRED: 180 CPM @ 50 PSIG**

TESTING PRESSURES:	
VESSEL:	N/A
JACKET:	130 PSI

OTHER MATERIAL:	
LIFTING LUGS:	SA-240 304 - NOT SHOWN
BASE RING:	SA-240 304 3/4" X 3" ROLLED TO 141" I.D.
BASE WRAPPER:	SA-240 304 1/4" (0.2500") ROLLED
HANDRAIL:	SA-312 304 -
SHEATHING RING:	SA-240 304 3/8" X 3" ROLLED TO 144-3/4" I.D.
ANCHOR RING:	SA-240 304 1/2" X 6" ROLLED TO 141-1/4" I.D.
MANWAY GASKET:	- NEOPRENE
INSULATION (TOP HEAD):	- 3" CHLORIDE AND ASBESTOS FREE SOFT FIBERGLASS
INSULATION (SIDEWALL):	- 3" CHLORIDE AND ASBESTOS FREE POLYSTYRENE
INSULATION (BOTTOM):	- 3" CHLORIDE AND ASBESTOS FREE SPRAY ON URETHANE

SHOP TOLERANCES:	
DEVIATION FROM VERTICAL: ± 1/2"	NOZZLES: PROJECTION: SHORTEST DISTANCE FROM OUTSIDE SURFACE TO FLG. FACE ± 1/4"
OUT OF ROUNDNESS: ± 1" OF NOM. "D"	DEVIATION FROM HORIZONTAL, VERTICAL OR INTENDED POSITION ± 1/2"
HEADS: OUTER PROFILE: NOT TO EXCEED 1.25% OF NOM. "D"	DEVIATION OF BOLT HOLES IN ANY DIRECTION ± 1/8"
INNER PROFILE: NOT TO EXCEED .625% OF NOM. "D"	DEVIATION FROM ANGULAR LOCATION ± 1/2"
MANWAY: LOCATION IN ANY PLANE ± 1/2"	WELD FILLET SIZE: + 1/8", - 0"
SUPPORTS: DEVIATION FROM ANGULAR LOCATION ± 1"	DEVIATION FROM REFERENCE LINE ± 1/4"

SEE ASME NOTE 5

SEE NOTE 6

WELDING SPECIFICATIONS:			
LISTED SPECS. ARE APPROVED FOR USE UNLESS OTHERWISE NOTED ON THIS DRAWING			
W101A	R5	W112	R0
W102B	R2		
W111	R3		
W101S	R1		

LOCATED ITEM # IN DEVIATION VIEW 1/16/07 R55

10/11/06 MK

9/11/08 RDC

QUOTE N # 011961a3 P.O. No. 2873-10679

**FELDMER EQUIPMENT**  
975 E. Will Street  
Little Falls, New York 13365

DRAWN BY: R55 ENGR. Approved By: AI REV C

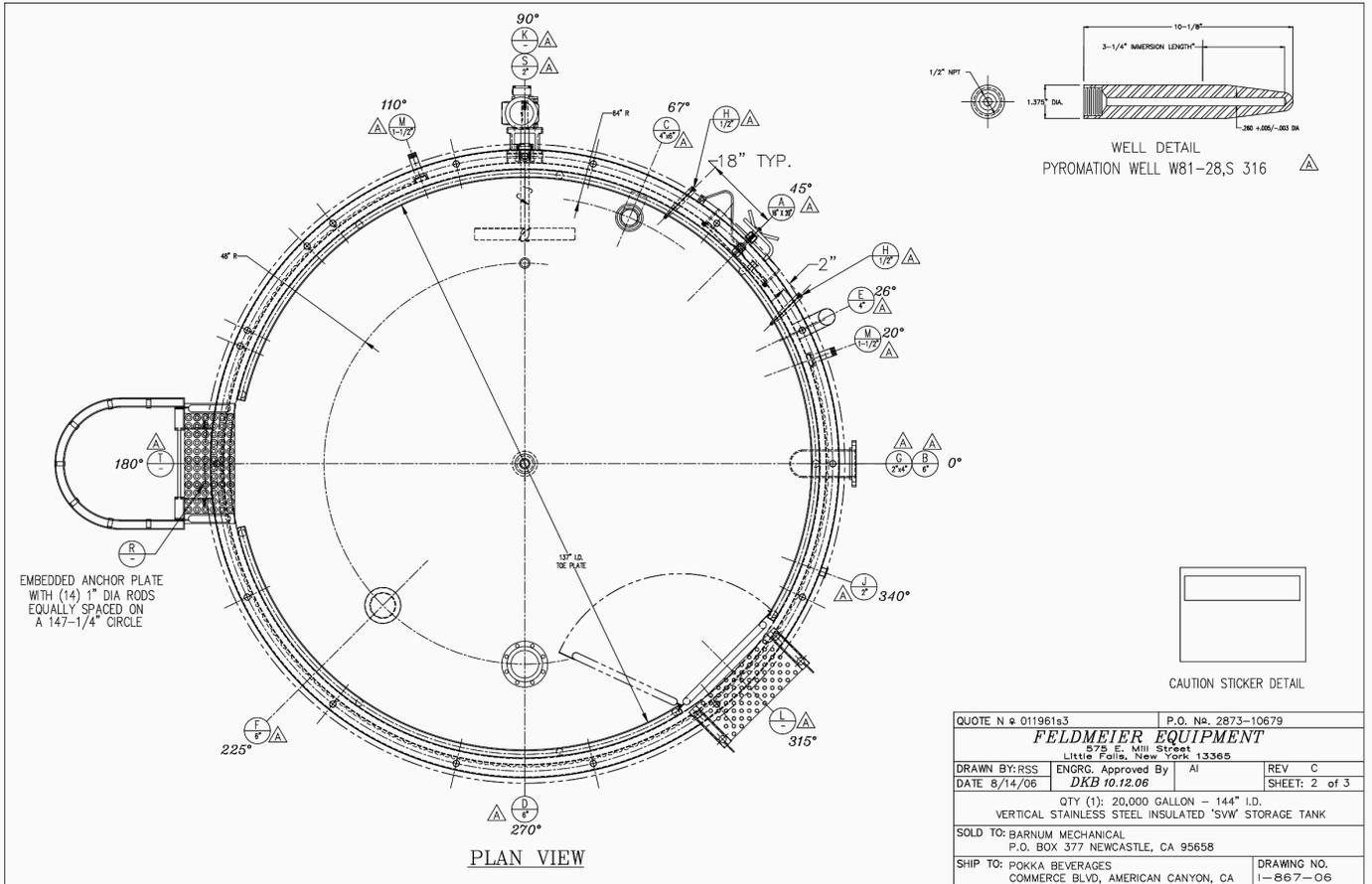
DATE: 8/14/06 *DRB 10.12.06* SHEET: 1 of 3

QTY: (1): 20,000 GALLON - 144" I.D.

SOLD TO: BARNUM MECHANICAL  
P.O. BOX 377 NEWCASTLE, CA 95658

SHIP TO: POKKA BEVERAGES  
COMMERCE BLVD, AMERICAN CANYON, CA

DRAWING NO. 1-867-06



QUOTE N # 01196183		P.O. No. 2873-10679	
<b>FELDMEIER EQUIPMENT</b>			
575 E. VIII Street Little Falls, New York 13365			
DRAWN BY: RSS	ENGRG. Approved By DKB 10.12.06	AI	REV C
DATE 6/14/06			SHEET: 2 of 3
QTY (1): 20,000 GALLON - 144" I.D. VERTICAL STAINLESS STEEL INSULATED 'SW' STORAGE TANK			
SOLD TO: BARNUM MECHANICAL P.O. BOX 377 NEWCASTLE, CA 95658			
SHIP TO: POKKA BEVERAGES COMMERCE BLVD, AMERICAN CANYON, CA			DRAWING NO. 1-867-06

