



**NOTES:**  
DESIGNED & BUILT IN ACCORDANCE TO API 650  
WELDING DETAILS: SEE B-6456  
NOZZLE DETAIL: SEE B-6234  
NOZZLE & MANWAY REPAIRS: SEE B-7830  
DESIGN: 0.5 PSIG / -5" WC VACUUM @ 200°F  
CORROSION ALLOW.: NONE  
SPECIFIC GRAVITY: 1.06  
SEISMIC: ZONE 1 (PER API 650)  
WIND LOAD: 90 MPH

EXTERNAL RAFTERS TO BE HOT-DIPPED GALVANIZED  
& FIELD WELDS TO BE COLD SPRAY GALV. AFTER INSTALLATION

BOLTS: SA-193-B7 w/ THREAD COMPOUND  
NUTS: SA-194-2H w/ THREAD COMPOUND  
GASKETS: 1/8" GARLOCK 3000 / EPDM OR EQUAL

ROOF NOZZLES BOLT HOLES TO STRADDLE RADIAL  
CENTERLINE.

BOTTOM TO BE SLOPED "HILLSIDE" 1" IN 1'-0"

**FACE OF FLANGE**  
6"  
FLUSH w/ I.D. OF

**PROJ.**

**\* NOTE: ELEVATIONS ARE FROM TOP OF RIM ANGLE "DOWN".**  
**\* NOTE: PROJECTIONS ARE FROM TOP OF RIM ANGLE "UP".**

**F** NOZZLE DETAIL  
w/ REPAIR  
(NO REPAIR ON NOZ. G)

**TYP. SHELL NOZ. DETAIL**  
w/ REPAIR

NO.	REVISION	APP.	DRWN	DATE
1	REV. PER CUST. COMMENTS, ADDED PIPE SUPPORTS	RAM	5/22/07	
2	REV. PER CUST. COMMENTS, ADDED PIPE SUPPORTS	RAM	5/22/07	
3	REV. EXTERNAL RAFTERS TO HOT-DIPPED GALVANIZED	RAM	6/18/07	
4	REV. NOZ. N TO 18" / REV. LENGTH ITEM # 16	RAM	6/28/07	
5	REV. PROJ. ON NOZS E & M, ADDED 360° H-R, & STAIRWAY	RAM	7/9/07	
6	REV. ORIENTATION OF MW NOZ A & REV. NOZ M TO 10"	RAM	7/23/07	
7	REV. EXT. RAFTER SIZE ITEM 14, REV. ELEV. ITEM 13	RAM	8/16/07	
8	REV. DELETED SPIRAL STAIRWAY, RELOCATED MW "A"	RAM	8/24/07	

APPENDIX		API 650	
APPENDIX	S	YEAR COMPLETED	2007
EDITION	10	REVISION NUMBER	4
NOMINAL DIAMETER	51'-9"	NOMINAL HEIGHT	48'-0"
NOMINAL CAPACITY (BBL)	17,866	DESIGN LIQUID LEVEL	48'-0"
DESIGN SPECIFIC GRAVITY	1.06	MAXIMUM OPERATING TEMP.	200°F
DESIGN PRESSURE (PSIG)	0.5	PARTIAL STRESS RELIEF	
MANUFACTURER'S SERIAL NO.	07231	PURCHASER'S TANK NO.	TK-3104
FABRICATED BY	BAKER TANK COMPANY		
ERECTED BY	BAKER TANK COMPANY		

SHELL COURSE  
1st END: 34'6"  
2nd END: 34'6"  
3rd END: 34'6"  
4th END: 34'6"

APPENDIX  
S  
MATERIAL  
304 SS TYP.  
304 SS 1/2"

WELDING PROCEDURES	
WELDED JOINT	PROCEDURE
ROUND SEAM	29, 37
BOTTOM LAP JOINTS	29, 37
CONNECTIONS	29, 37
INTERVALS	29, 37

TOLERANCE +/- 1/4" LINEAR +/- 1° ANGULAR

**BAKER TANK CO.**

DIVISION OF JUSTISS OIL COMPANY

51'-9" I.D. X 48'-0" HT.  
FERMENTER # 1  
STORAGE TANK

TANK# TK-3104 @ WICKSBURG, MS.

DESIGNED BY	DATE	APP'D BY	DATE	DESIGNED NO.	REV.
RM	4/25/07	MB	07/23/11	D-13436	8