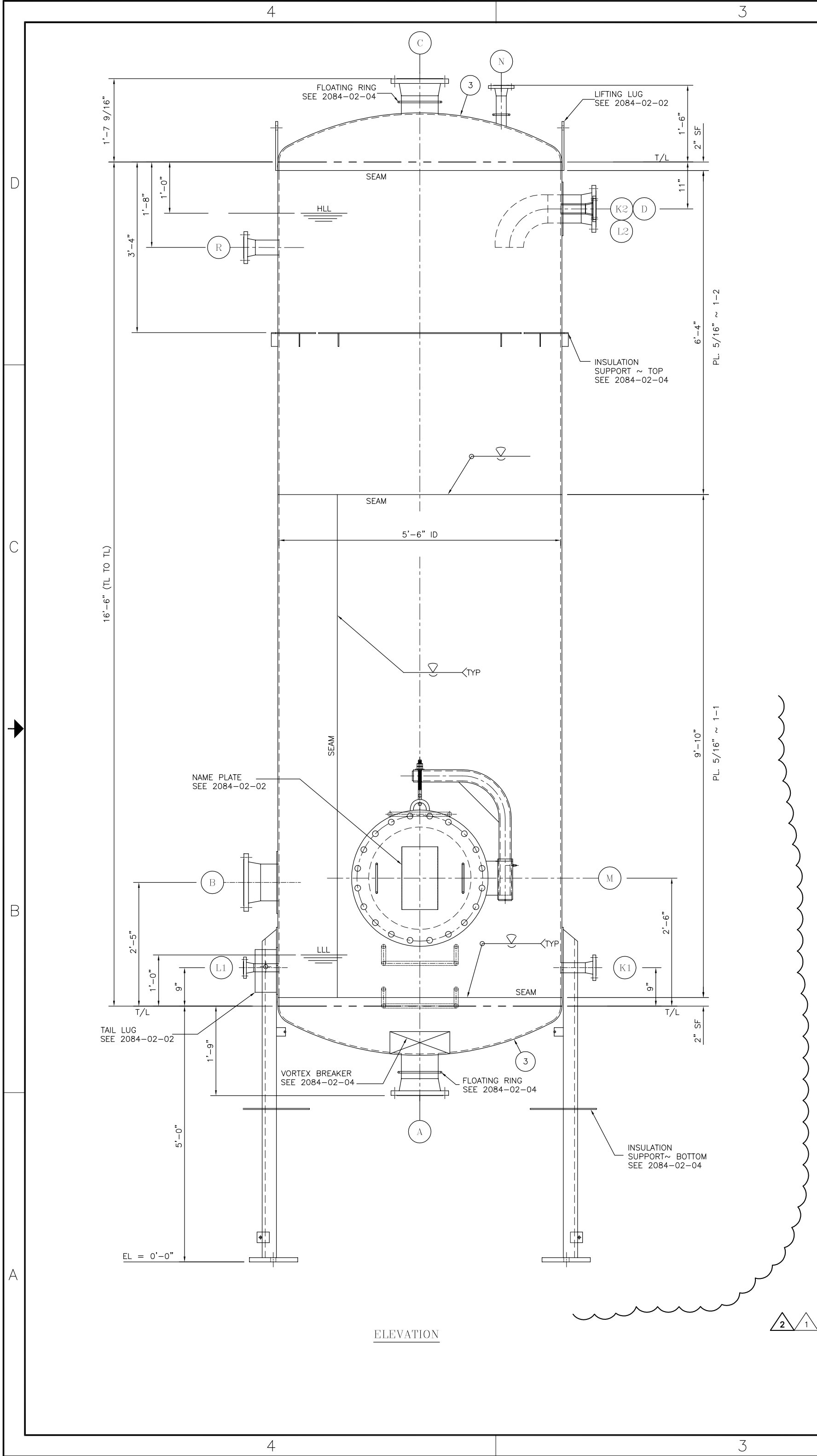




- GENERAL NOTES:
- DESIGN AND FABRICATION PER ASME SECT. VIII, DIV 1. CODE STAMP REQUIRED.
 - ALL FLANGE BOLT HOLES TO STRADDLE VESSEL'S NATURAL CENTERLINES.
 - REFERENCE JOB SPECIFICATIONS:
DOC # INQUIRY NO. 2074
491-D01, 491-D02, 495-D01
MD60-1TS-US-ON-M&U
DESCRIPTION
SOUTHERN COMPANY TECHNICAL SPECIFICATIONS SECTION 41 52 19.23
STANDARD VESSEL DRAWING DETAILS (SUPPLIED BY KBR TECHNICAL SERVICES, INC)
ERECTION ATTACHMENTS FOR MECHANICAL EQUIPMENT (SUPPLIED BY KBR TECHNICAL SERVICES, INC)
 - CLEANING AND PAINTING:
ABRASIVE BLAST CLEAN ALL EXTERIOR SURFACES AND LEGS IN ACCORDANCE WITH SSPC-SP6.
PRIME PAINT WITH (1) COAT OF CARBOLINE CARBOZINC 859 ORGANIC ZINC-RICH EPOXY (3-5, ±1MILS) DFT
FINISH WITH (1) COAT OF CARBOTHANE 133HB ALIPHATIC ACRYLIC POLYESTER POLYURETHANE (3-5, ±1MILS) DFT.
THE TOTAL DFT TO BE 6 MILS MIN / 10 MILS MAX.
COLORS: VESSEL EXTERIOR: FEDERAL STD 595B, COLOR 36495 (PLATINUM) WITH A BAND OF FEDERAL STD 595B, COLOR 17038 (BLACK). BAND SHALL BE 12" WIDE AND BOTTOM OF BAND SHALL BE 36" ABOVE THE BOTTOM.
 - WELDING PROCEDURES
SMAW: 1-1
GTAW: 1-1
FCAW: 1-1
SAW: 1-1

BILL OF MATERIALS					
QUAN	Pc	MK	DESCRIPTION	MAT'L	SOURCE NO. WEIGHT
SHELL					
1	1-1		PL 5/16" x 118" x 17'-4 5/16"	SA-516-GR70	2 3464
1	1-2		PL 5/16" x 76" x 17'-4 5/16"	SA-516-GR70	3 1400
HEAD					
2	1-3		ASME F&D HEAD, 5'-6" ID, 5/16" MIN. THK, SF=2" IKR=4 1/16", IDR=5'-6"	SA-516-GR70	1 940

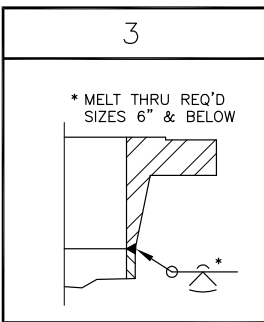
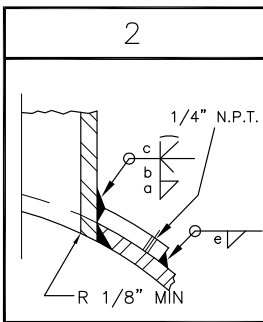
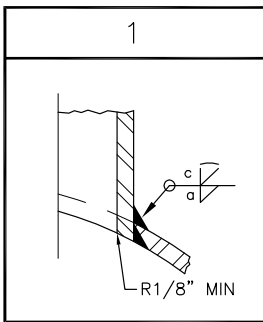
DESIGN DATA			
DESIGN CODE	ASME SECTION VIII DIVISION 1 2010 EDITION	YEAR BUILT	2011
CODE STAMP	YES	SERIAL NUMBER	2084-02
DESIGN PRESSURE	55 PSIG	SPECIFIC GRAVITY	0.99
DESIGN TEMPERATURE	160° F	INSULATION	2" (BY OTHERS)
EXTERNAL PRESSURE	-	WIND	100 MPH, I=1.15, EXP=C
OPERATING PRESSURE	50 PSIG	SEISMIC	SITE CLASS C, I=1.25, Ss=20.38% S1=8.74%, R=2
OPERATING TEMPERATURE	132	EST. WT. (EMPTY/OPER)	6,600 LB/ 32,600 LB
MDMT	10° F	TEST WEIGHT	32,400 LB
MAWP	55 PSIG @ 160°F	CAPACITY (VOLUME)	3,100 GAL
MAEWP	-	SURFACE PREPARATION	SEE NOTE4
TESTING	71.5 PSIG @ 70° F	PRIMER COAT	SEE NOTE4
CORROSION ALLOWANCE	0.125" (SHELL/HEADS)	FINISH COAT	SEE NOTE4
	0.125" (INTERNAL)	LINING	-
RADIOGRAPHY	SPOT PER ASME E= 85%		
POST WELD HEAT TREAT	N/A		

SCHEDULE OF OPENINGS													
MARK	SIZE	QTY.	TYPE	PIPE WALL	DESCRIPTION	PROJECTION		WELD	a	b	c	d	e
						OUTSIDE	INSIDE						
A	8"	1	150# RFWN	SCH STD	PUMP SUCTION			SEE SHEET 2084-02-04					
B	8"	1	150# RFWN	SCH STD	INLET	8"		2, 3 1/4"	FP	FP	-	3/16"	
C	8"	1	150# RFWN	SCH STD	VAPOR OUTLET	8"		1, 3 5/16"	-	FP	-	-	
D	6"	1	150# RFWN	SCH STD	MAKE-UP INLET			SEE SHEET 2084-02-04					
K1,K2	2"	2	150# RFWN	SCH XS	LEVEL GLASS	8"		1, 3 1/4"	-	FP	-	-	
L1,L2	1.5"	2	150# RFWN	SCH XS	LEVEL	8"		1, 3 1/4"	-	FP	-	-	
M	24"	1	150# RFSO	PL 3/8"	MANWAY			SEE SHEET 2084-02-03					
N	2"	1	150# RFWN	SCH XS	NITROGEN INLET	8"		1, 3 1/4"	-	FP	-	-	
R	3"	1	150# RFWN	SCH STD	RECIRCULATION INLET	8"		1, 3 1/4"	-	FP	-	-	

BASE LOAD DETAILS					
VESSEL CONDITION	LOADS	BASE SHEAR (LBF)		BENDING MOMENT (LBF-FT)	
		WIND	SEISMIC	WIND	SEISMIC
OPERATING		2,508	2,216	35,908	35,672
EMPTY		2,508	344	35,908	7,378

ALL DRAWINGS LIST	
DRAWING NO.	DESCRIPTION
2084-02-01	ELEVATION
2084-02-02	ORIENTATION
2084-02-03	MANWAY DETAILS
2084-02-04	OTHER DETAILS

SCS DWG MM76391



2	8/10/11	REMOVE HOLD OF NOZZLE ELEVATIONS	JWB
1	8/3/11	NOZZLE ELEVATIONS ON HOLD PER CUSTOMER	JWB
0	7/8/11	RELEASE FOR FABRICATION	JWB
B	5/27/11	CUSTOMER APPROVAL	NKM
A	2/28/11	CUSTOMER APPROVAL	LR
REV	DATE	DESCRIPTION	BY

REVISIONS									
CRAFTING TANKS SINCE 1905									
CHATTANOOGA									
BOILER & TANK COMPANY									
CHATTANOOGA, TENNESSEE									
CUSTOMER		SOUTHERN COMPANY SERVICES							
OWNER		MISSISSIPPI POWER COMPANY							
P.O. NUMBER		MPC10014852							
STRUCTURE IDENTIFICATION									
RECOVERED WATER DRUM									
CONTENTS THIS SHEET									
ELEVATION									
APP'D. BY CHIEF ENG.		DRAWN BY: LR		CHECKED BY: EW		DATE: 2/22/11			
APP'D. BY O.C. MGR.		EQUIPMENT NO:		DR0004					
DRAWING NO:		2084-02-01							
FOR ORIENTATION LIST									
PREP	TITERS	WELDERS	SHIPPING	REV. INFO	QC	FIELD STAFF	FIELD FOREMAN		

MM76391 B

Plant: Kemper County CHATTANOOGA BOILER & TANK CO.
Southern Company Generation
2084-02-01 Rev: 2
PO: MPC10014852