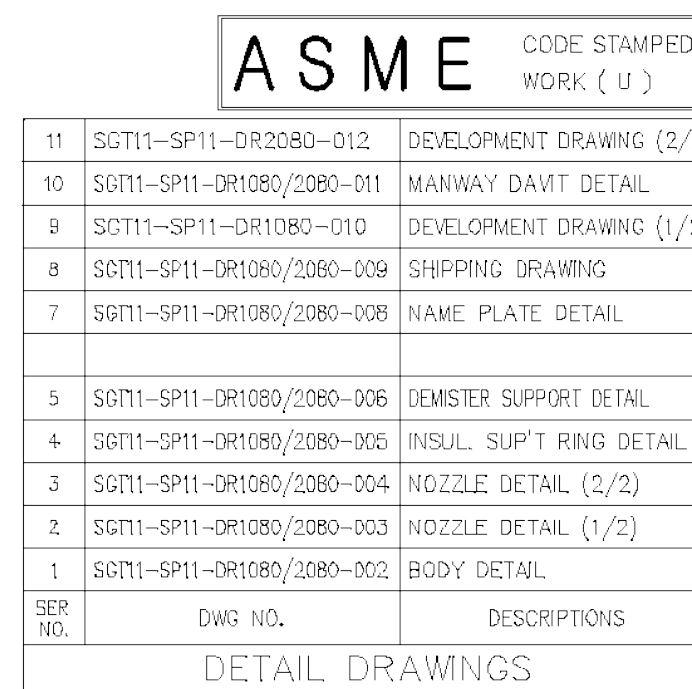
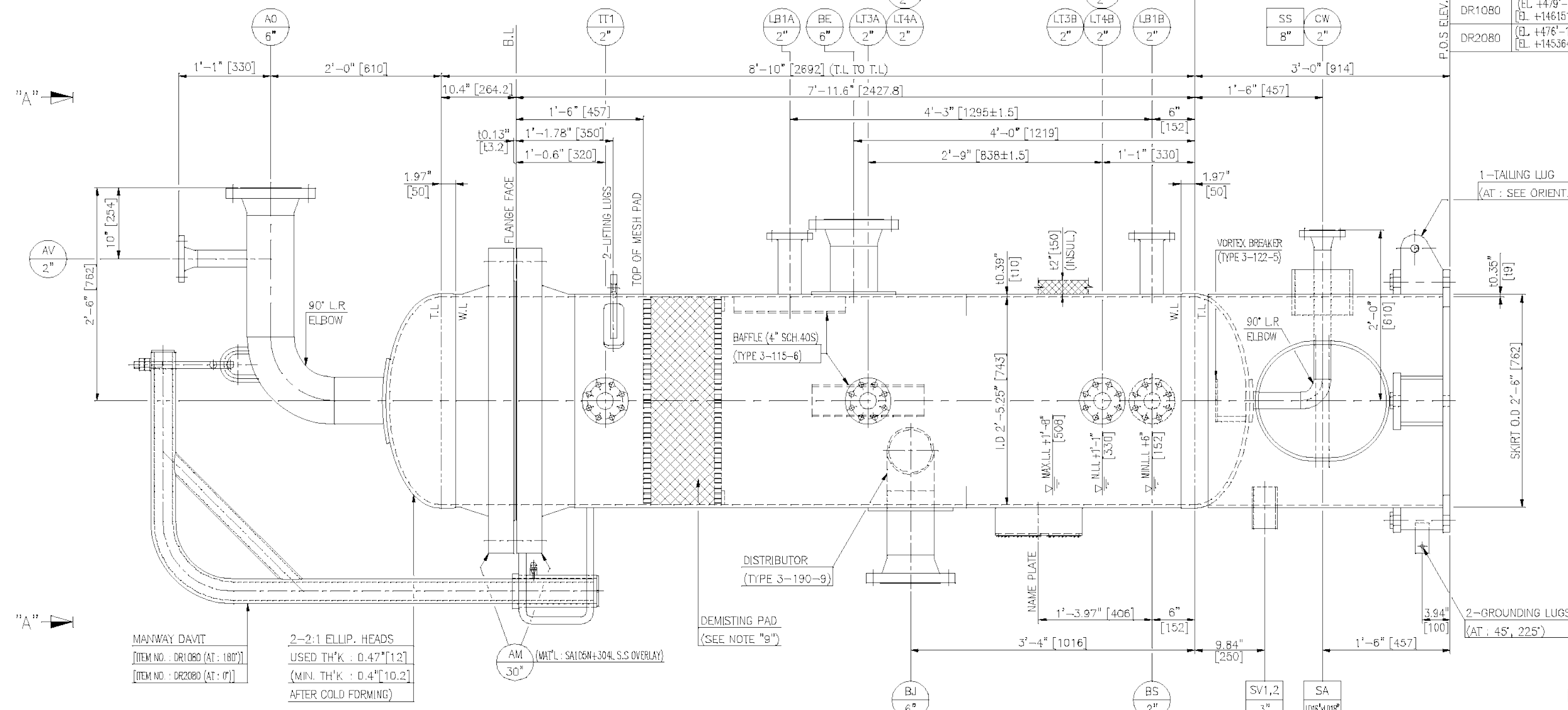
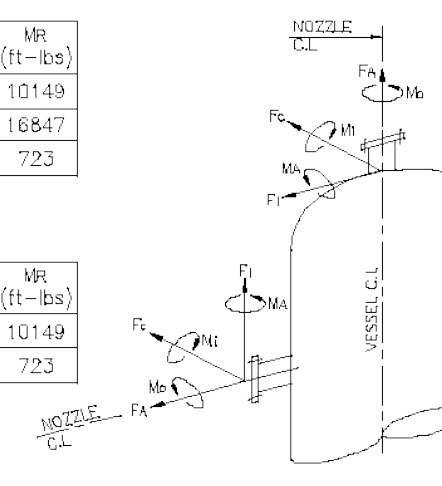




ELEVATION VIEW [SCALE 1/11]				
TABLE FOR FOUNDATION LOAD DATA				
CASE	WIND		SEISMIC	
	SHEAR (lb)	MOMENT (lb-ft)	SHEAR (lb)	MOMENT (lb)
OPERATING	2142	19099	347	3908
EMPTY	2142	19099	323	3722
HYDRO-TEST TEST	1002	8370		

NOZZLE LOAD									
SHELL SIDE									
NOZZLE NO. (S2L)	F_A (lbs)	F_1, F_2 (lbs)	F_R (lbs)	M_A (ft-lbs)	M_{B1} (ft-lbs)	M_{B2} (ft-lbs)	M_N (ft-lbs)	NOZZLE CL	
BE (6")	2068	25.31	44.36	7168	5075	10149		F_A	M_B
BJ (8")	2725	33.38	54.51	11912	8423	16847		F_R	M_A
BS BT (2")	450	55	899	516	369	723			

HEAD SIDE						
NOZZLE NO. (SIZE)	F _A (lbs)	F _I , F _C (lbs)	F _R (lbs)	M _A (ft-lbs)	M _S , M _I (ft-lbs)	V _H (ft-lbs)
AO (6")	2068	2531	4138	7169	5075	10149
CW.AV (2")	450	551	899	516	369	723



EXTERNAL	SHELL	SA240-304L	HEAD	SA240-304L	ANCHOR BOLT/NUT (BY OTHERS) R504-305/S4663-A (HOT DIP GN)
	BASE PLATE	SA516-70	LIFTING LUG PAD	SA240-304L/SA240-304L	INSULATION SUPPORT
	SKIRT		DOMESTIC PAD		VORTEX BREAKER
	FITTING	SA403-MP304L	FITTING	316 SS	MANHOLE FLANGE
	FLANGE	SA403-MP304L	FLANGE	SA403-MP304L	MANHOLE BLIND
	NOZZLE NECK	SA4182-F304L	PIPE	SA4182-F304L	SA105H14-305 OVERLAP
	CUP & SUPPORT	SA312-TP304L	PIPE	SA4182-TP304L	NAME PLATE, BRASS
	BOLTY NUT	SA240-304L	CUP & SUPPORT/REMAINABLE	SA240-304L	GROUNDING LUGS
	SA193-B8T CL2/SA194-8	BOLTY NUT	SA193-B8 CL2/SA194-8	INTERNAL RING	SA240-304L
GASKET	SEE NOTE *8*	GASKET		REINFT. PAD	SA240-304L

INTERNAL LIST						
NO.	REV.	DATE	DESCRIPTION	ORWN	CHKD.	APPO.
03		18. Jan. '12	REVISED AS COMMENTS	B.M. ENG	D.H. KIM	H.C. JUN
02		01. Sep. '11	REVISED AS COMMENTS	B.M. ENG	J.P. HYUN	H.C. JUN
01		15. Jun. '11	REVISED AS COMMENTS	B.M. ENG	J.K. KIM	H.C. JUN
00		11. Apr. '11	ISSUED FOR APPROVAL	B.M. ENG	J.K. KIM	H.C. JUN
REV.	DATE	DESCRIPTION		ORWN	CHKD.	APPO.

Kemper County IGCC Unit 1 Project

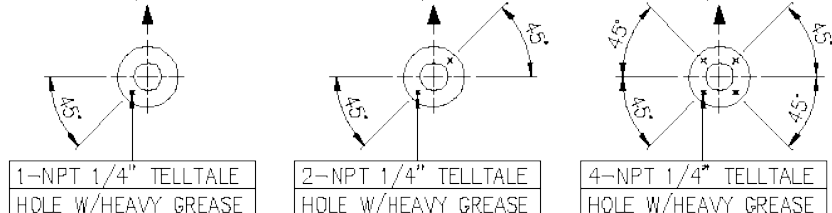
KBR
Engineering services by KBR Technical Services
TBPE Reg. No. F-2397

SOUTHERN COMPANY
Southern Company, Inc.

SUNGJIN **SUNGJIN GEOTEC CO., LTD**
posoo Family ULSAN, KOREA

DATE:	DR1080/2080
	AGR FLASH GAS COMPRESSOR KO DRUM
	GENERAL ASSEMBLY

ANGLE 3	SCALE	REQ'D NO. 2	P.O. NO.: SETS	MPG17984-0001	SHEET NO. 1 OF
	SEE DWG.	PLANT Kemper County	SGT DWG. NO.	SGT11-SP11-R(01080/2080-001	SGT W/C NO 11SP11
A1	DRAWING NO.	MM78160			REV <0.3



7. SPARE PART		CONSTRUCTION AND COMMISSIONING	2 (TWO) YEARS OPERATION (OPTION)
GASKETS		200%	200%
STUD BOLT, NUT & WASHER		10% (MIN. 2 SETS)	10% (MIN. 2 SETS)

8. ALL REMOVABLE INTERNALS SHALL PASS THROUGH THE VESSEL MANHOLES.

9. ONE (1) FULL DIAMETER DEMISING PAD, 97.226(1) THICK, 0.0117(0.2764) WIRE DIAMETER, STYLE 114 (INTERNAL SUPPORT), PROVIDE TOP AND BOTTOM SUPPORT GROUDES.

10. MINIMUM INTERNAL BOLT SIZE IS 5/8".

11. PAINTING SHALL BE PER PAINTING CODE: C-462-P-04S-VIA-CDS006
- COATING SYSTEM 6, HIGH TEMPERATURE EPOXY (TWO COATS)
12. ALL (1) 1" B" LUGS SHALL BE LOCATED 18" FROM THE RING LOCATED 1'-8" [508] ABOVE
BT. DOWN TO INSULATION SUPPORT ON SKIRT AND BOTTOM HEAD.
13. 1/2" [38] TYPE (H) FOR "C" NOZZLE OF BOTTOM HEAD.

14. REFER TO THE SPEC. IN DRAWING 2, FIGURE 2.

15. DO NOT INDICATE NDE IN THIS DRAWING, REFER TO THE NDE MAP.

16. IMPACT TEST, NO (AS PER ASME-SEC. VIII DIVISION 1, FIGURE UCS-69-MP) TEST EXEMPTION (CURVE);
OTHER SPECIFICATED UPPER AND LOWER LIMITS, 1/2" [38] LEG LENGTH.

17. PRODUCTION TEST, NO (AS PER ASME. VIII DIVISION 1, PARAGRAPH UCS-67(2)).

ASME STAMPED		YES (U) & (NB)		LIQUID SPECIFIC GRAVITY		1.078	
STRESS RELIEF AFTER BEAMING/FORMING		NO		M.O.M.T.		10 (-12) F (°C)	
WIND/COVERING PWT. (CORROSION PROTECT. / ENV. SHIELD)		437 psig		CAPACITY		45 F (°C)	
WIND/COVERING PWT. (WIND / ENV. SHIELD)		437 psig		FABRICATING WEIGHT		5200 (2387) Lb(Lbs)	
WIND/COVERING PWT. (WIND / ENV. SHIELD)		437 psig		ERECTION WEIGHT		8540 (3874) Lb(Lbs)	
HYDROL. TEST PRESS. (SHIP/RED)		568/568 psig		EMPTY WEIGHT		8540 (3874) Lb(Lbs)	
PIVOT. TEST PRESS.		568/568 psig		OPERATING WEIGHT		9173 (4161) Lb(Lbs)	
WIND		BASIC WIND SPEED 100 MPH		FULL WATER WEIGHT		10798 (4888) Lb(Lbs)	
CODE		ASCE 7-05 (I=1.15)		FIRE PROOFING		NO	
SEISMIC ZONE		ASCE 7-05 (CLASS C)		INSULATION		SEE NOTE "12" H (mm)	
CONTENT		-		SPECIAL SERVICE		NO	
EXTERNAL		-		P.W.H.T.		NO	
INTERNAL		305 250(121)		RADIOGRAPHY		SHELL: FULL HEAD: FULL	
PRESS. TEMP. (PSIG F (°C))		PRESS. TEMP. (PSIG F (°C))		JOINT EFFICIENCY		1.0 HEAD: 1.0	
DESIGN		OPERATING		CORROSION ALLOWANCE		SHELL/HEAD: 0.0	
CODE		ASME SEC. VIII DIV. 1		CORROSION ALLOWANCE		NOZZLES: 0.0	
2010 DESIGN		2010 DESIGN		CORROSION ALLOWANCE		INT. WELDED SKIRT	
2010 DESIGN		2010 DESIGN		CORROSION ALLOWANCE		INT. WELDED SKIRT	

[illegible]

 Engineering services by KBR Technical Services TBPE Reg. No. F-2397									
 SOUTHERN COMPANY Southern Company, Inc.									
 SUNGJIN group family SUNGJIN GEOTECH CO., LTD ULSAN, KOREA									
TITLE:		DR1080/2080 AGR FLASH GAS COMPRESSOR KO DRUM GENERAL ASSEMBLY							
ANGLE 3	SCALE	REV'D NO.	2	SETS	P.O. NO.	MPC17984-0001	SHEET NO.		1 OF 1
W/B/F & DAVT		SEE DWG.	PLANT	SPT		SPT-11-SP11-DR1080/2080-001	SHEET NO.		11SP11
			Kemper County	DWG. NO.					
REMARK	A1	DRAWING NO.		MM78160				REV.	03

[illegible]

BY:
DATE RECEIVED

Southern Company Generation Engineering and Construction Services	
PLANT: KEMPER COUNTY	UNIT: 1
VENDOR: SUNGJIN GEOTECH	MANUF:
KEMPER COUNTY IGCC PROJECT BR100/200 AGR FLASH GAS COMPRESSOR KO DRUM GENERAL ASSEMBLY	
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P.O.#: MPC17984-0001	SCG DOCUMENT NO. MM78160