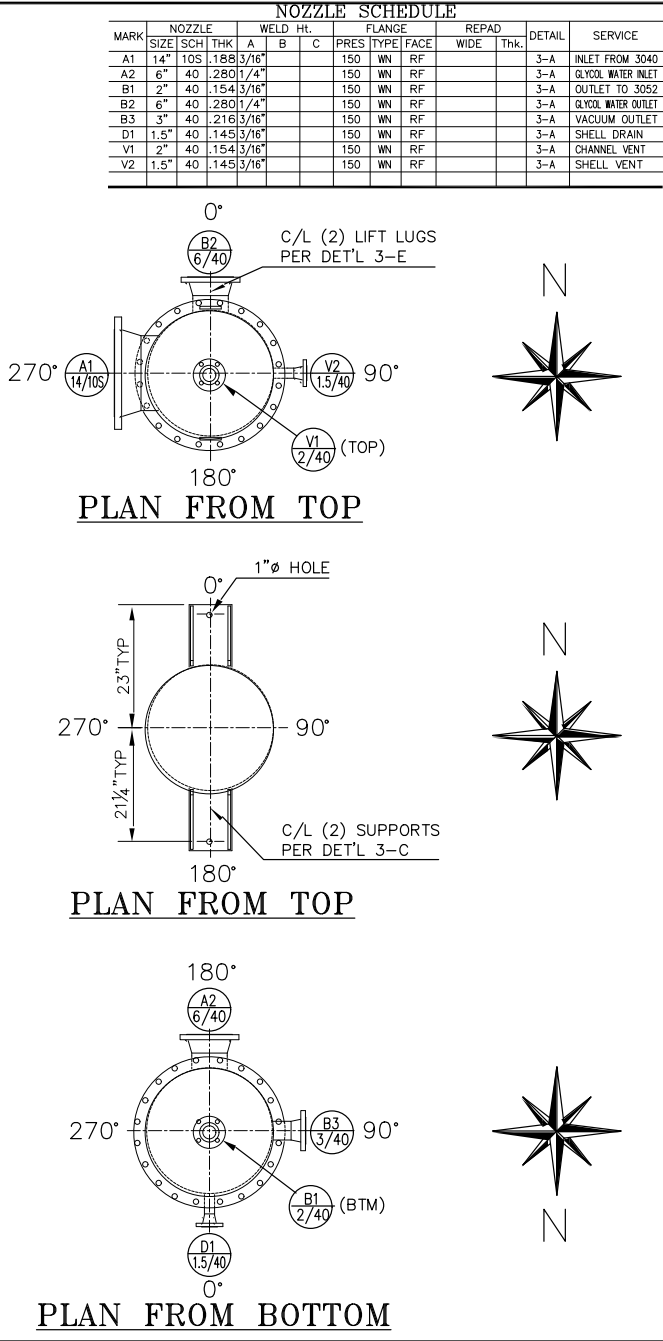
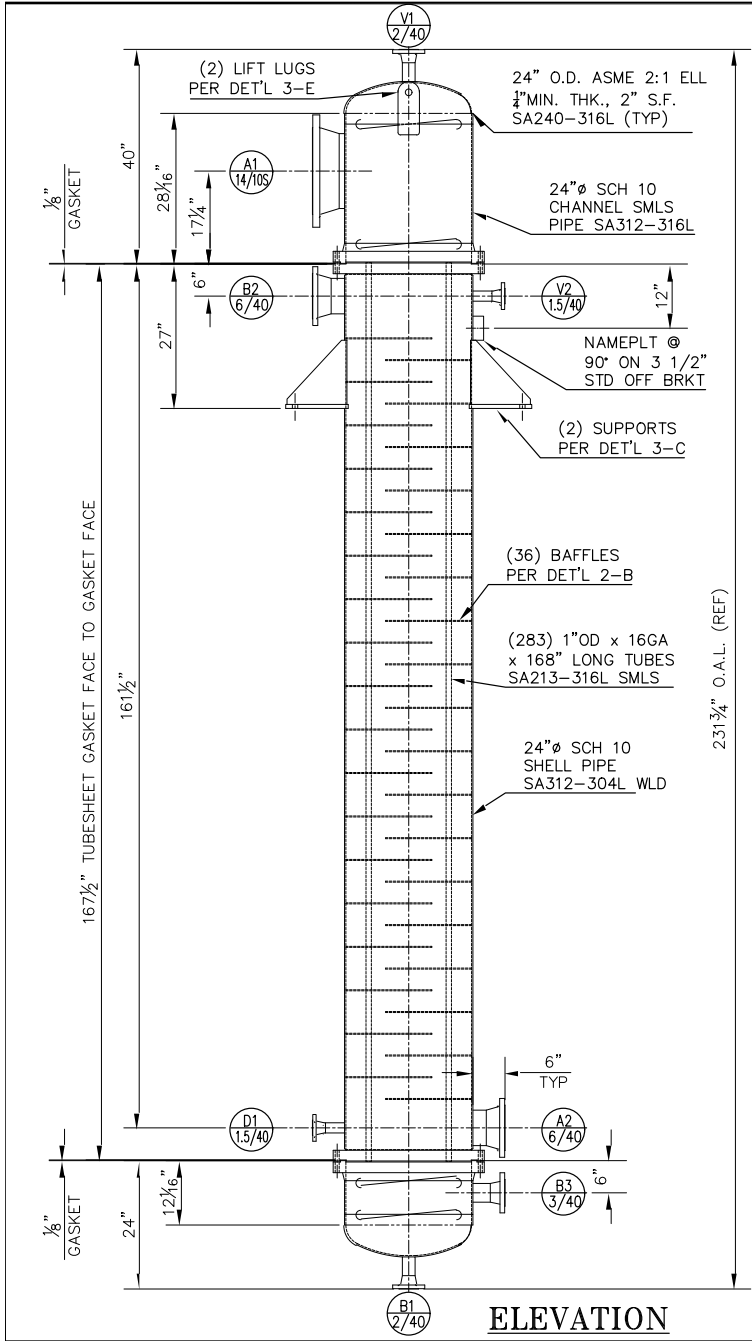




- NOTES**
- ALL BOLT HOLES SHALL STRADDLE VESSEL MAJOR C/L. UNLESS SPECIFIED OTHERWISE.
 - ALL S/S. WELDS PER AHE-800 & 807.
 - ALL DIMENSIONS ARE FROM GASKET FACES. UNLESS SPECIFIED OTHERWISE.
 - TUBE TO TUBESHEET JOINT TO BE DOUBLE GROOVED, STRENGTH WELDED & EXPANDED WITH 1/16" TUBE PROJECTION. UNLESS SPECIFIED OTHERWISE.
 - ORIENTATION PER PLAN/END VIEW (RESP.) UNLESS SPECIFIED OTHERWISE.
 - PROTECTIVE COVERS TO BE PROVIDED FOR ALL NOZZLE FLANGES PRIOR TO SHIPPING.

MATERIAL SPECIFICATIONS ASME

	SHELL SIDE	TUBE SIDE
SHELL	SA312-304L WLD	SA312-316L SMLS
HEADS		SA240-316L
SUPPORTS	SA240-304L	
FLANGES	SA182F-304L	SA182F-316L
PIPE	SA312-304L WLD	SA312-316L SMLS
TUBES		SA213-316L SMLS
TUBE SHEETS		SA240-316L
BOLTS/NUTS	SA193-B7/SA194-2H (HDG)	
GASKETS	GARLOCK 3500 1/18" T	
BODY FLG.		SA182F-316L
BAFFLE / TUBE SUPP.	SA240-304	
FITTINGS		

DESIGN DATA

DESCRIPTION	SHELL	TUBE	
DESIGN CODE	ASME SEC. VIII, DIV. 1 2004	ED. 2005	AD.
DESIGN PRESSURE	INTERNAL - PSIG	150	50
	EXTERNAL - PSIG	15	15
	INTERNAL - °F	302	302
	EXTERNAL - °F	302	302
DESIGN TEMPERATURE			
	MAWP	302/302F	150/FV
CORR. ALLOW.		0	0
HYDRO. PRESS. PSIG.		195	65
WELD PROCEDURE		SEE NOTE 2	
RADIOGRAPHY PER CODE		SEE DET'L 3-B	
VESEL WEIGHT - DRY: 4,484 lbs.; FULL OF WATER: 8,724 lbs.			
HEAT TREATMENT		NOT REQUIRED	
INSULATION		3" FOAMGLASS	

FABRICATION DRAWING

CERTIFIED BY
ALABAMA HEAT EXCHANGERS, INC.

L-T

RT-4

SHELL 150/FV PSIG @ 302 °F

MAWP TUBES 50/FV PSIG @ 302 °F

SHELL -20 °F @ 150/FV PSIG

MDMT TUBES -20 °F @ 50/FV PSIG

MFG. SERIAL NO. AHE- _____

YEAR BUILT 2006

ITEM NO. 3050

PROJECT NO. C0150.10002.01

CAUTION: The Code required pressures and temperatures marked on the heat exchanger relate to the basic design conditions. The heat exchanger design has been evaluated for specific operating conditions and shall be re-evaluated before it is operated at different operating conditions.

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ALABAMA HEAT EXCHANGERS, INC.

MOBILE, ALABAMA

DEGUSSA CORPORATION

PRIMARY CONDENSER

ITEM NO. 3050

Q.C.I. M/SHOP F.T.C. WELD. SERV. PURCH.

ISSIONS
AL ISSUE
EL FOR PER
UT 4/20/06

CUST. ORDER NO.	JOB NO.	DRAWING NO.
4500163851	6501-E	6501E-061
DRAWN BY J. BOYINGTON	DATE	03-15-06
APP'D BY	DATE	SHT 1 OF 3
		SCALE 1/2"=1'-0"