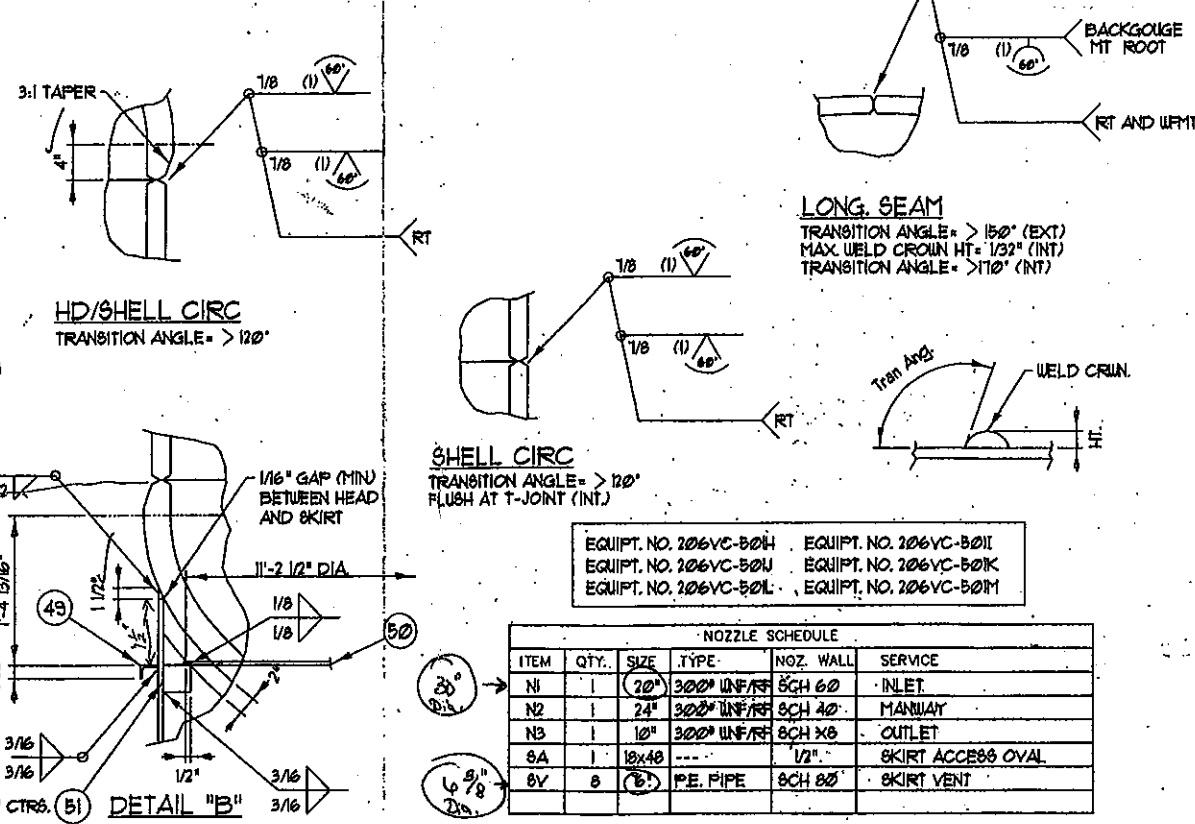
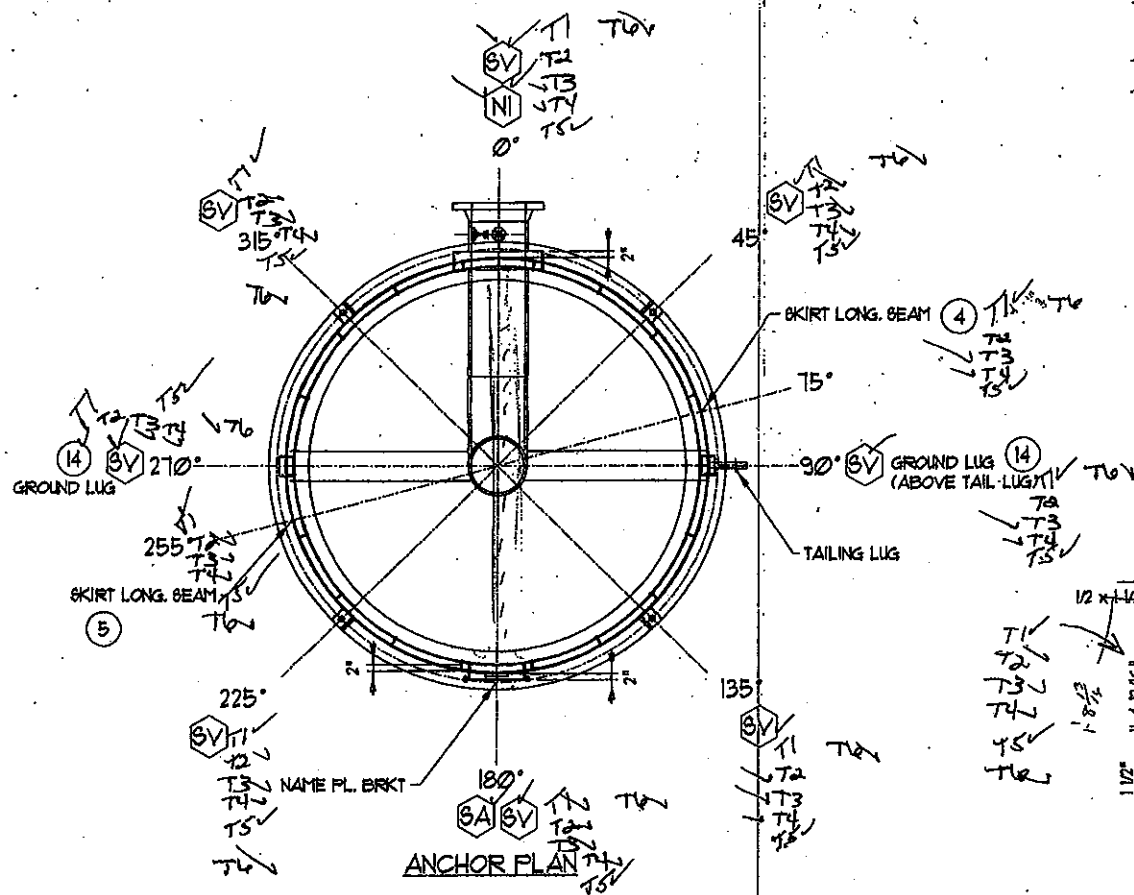




NOZZLE SCHEDULE					
ITEM	QTY.	SIZE	TYPE	NOZ. WALL	SERVICE
N1	1	(20")	300# UNF/RS	SCH 40	INLET
N2	1	(24")	300# UNF/RS	SCH 40	MANWAY
N3	1	10"	300# UNF/RS	SCH X8	OUTLET
8A	1	18x48	---	1/2"	SKIRT ACCESS OVAL
8V	8	(6")	P.E. PIPE	SCH 80	SKIRT VENT

TECHNIP CODE: ID31 		As-Built Q.C. DWG
DWG No.: TITLE: EQUIP No.: 206VC-501H THRU 206VC-501M S&P No.: 03-00041-HY-06-00 P.O. No.: 30056H0013		By:  REVISION No.:
TECHNIP MR		ISSUE

PROJECT SPEC. 945591-A-141F
ADSORBER VESSELS
POLYBED P&A UNITS
SINCOR ENERGY; VOYAGEUR
FORT McMURRAY, ALBERTA
UDF PO NO. 4500245274
TECHNIP PO NO. 3005.6H0013

DESIGN NOTES

1. Design per 2024 ASME Sec VIII Div 1
2. Heat Treating B Required
3. Radiography RT-I Required
4. Material: INCL. RIFING BUT WELDS
Head SABE-10N
Shell SABE-10N
Cone NA
5. Maximum Allowable stress:
Head 20000 PSI @ 250 °F
Shell 20000 PSI @ 250 °F
Cone NA PSI @ NA °F
6. Joint Efficiency:
Head 100% Shell 100%
Cone NA
7. Corrosion Allowance:
Head 1/8 Shell 1/8
Cone 0 Nozzle 1/8
8. Design Pressure:
Internal 250 PSI @ 250 °F
External NA PSI @ NA °F
9. Hydrostatic Test 125 PSI
10. Vessel shall be cleaned inside and outside,
free of dirt, grease, mill scale, weld spatter, etc.
11. Flange bolt holes to straddle normal center line
unless otherwise noted
12. M.D.M.T. = -45F @ 500 PSI
Charpy Impact test
Exempt per NA

VESSEL TOLERANCES PER UOP SPEC. ES-210			
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			
FABRICATION		MACHINING	
0-80 in. $\pm .005$		2-PLACES $\pm .03$	
80-120 in. $\pm .0075$		3-PLACES $\pm .015$	
OVER 120 INCHES $\pm .01$			
ARROW TANK & ENGINEERING CO.			
MINNEAPOLIS-CAMBRIDGE		MINNESOTA	
PSA ADSORBER			
138" I.D. x 23'-5 1/2" TAN/TAN			
DRAWN BY R.H.		CUSTOMER	
CHECKED ENG.		U.O.P. LLC	
SCALE 1:32		SHEET	
DATE 1/14/08		DRAWING NO.	
		1 OF 4	
		D18363-18	