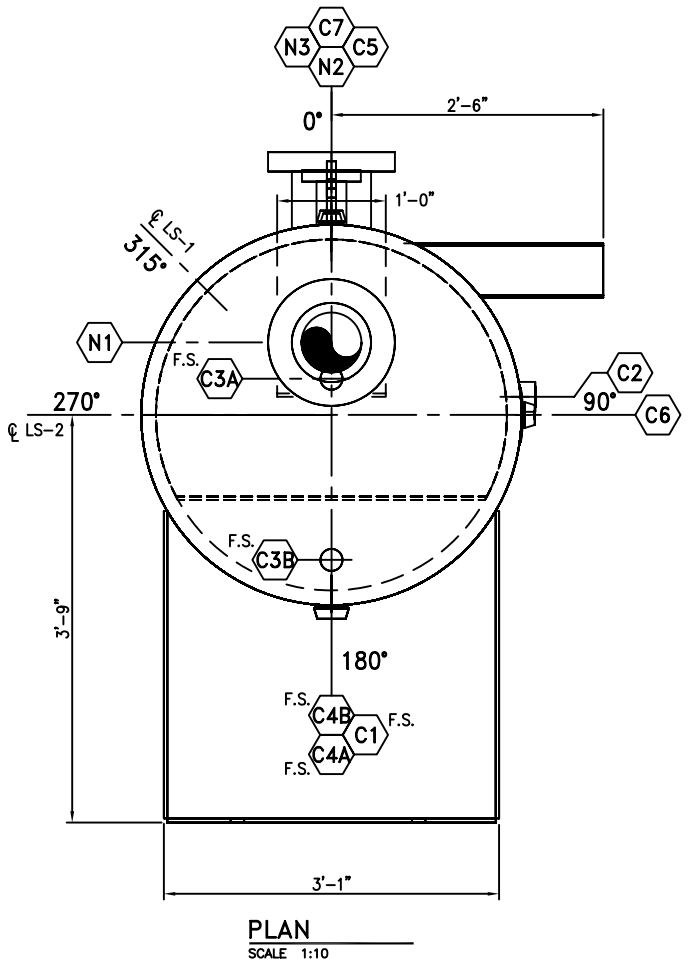
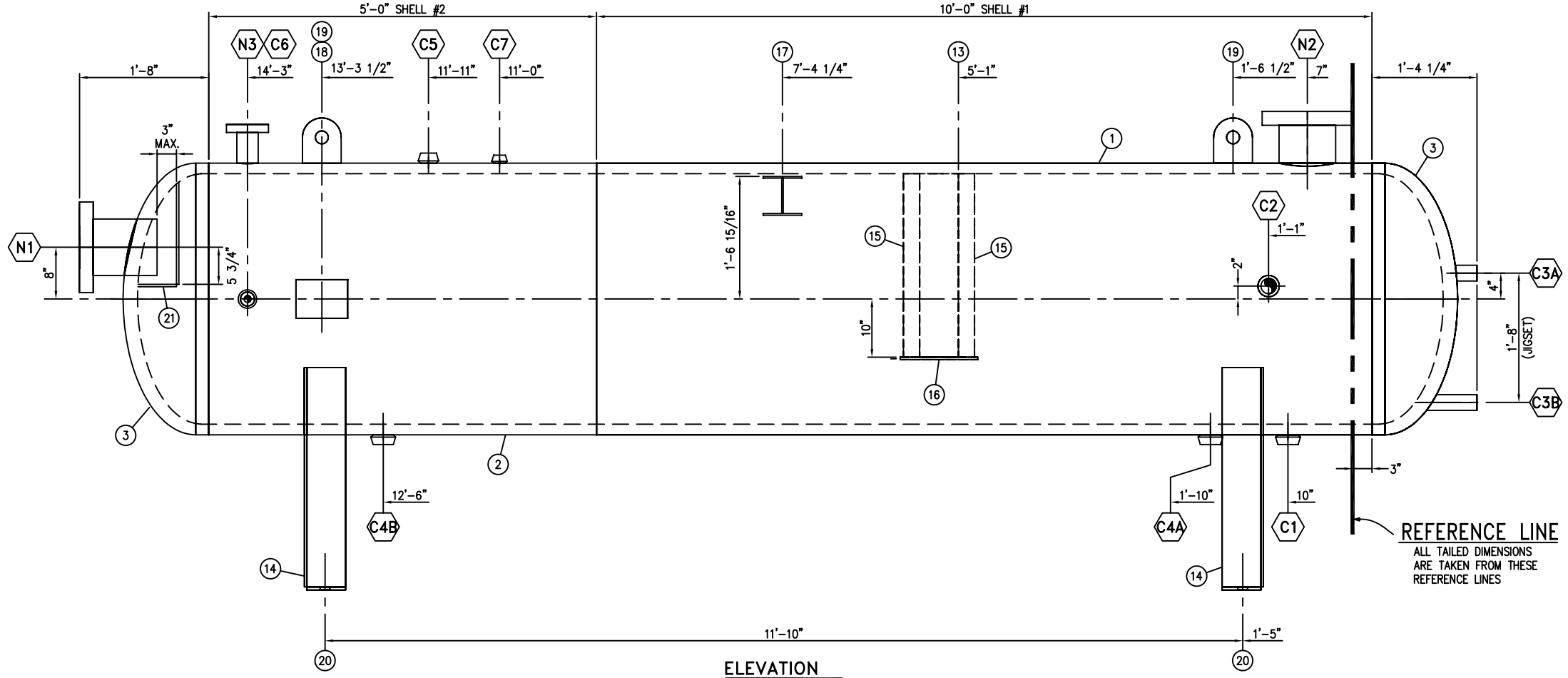


PLAN
SCALE 1:10



ELEVATION
SCALE 1:10

WELD NOTES:
1) ALL BEVEL ANGLES TO BE 5°± ROOT PASS GAP TO BE ± 3/16"
2) INTERNAL PROJECTION FOR NOZZLES (IF REQ'D.) TO BE SPECIFIED ON THE VESSEL OUT-LINE DRAWING WHERE INTERNAL PROJECTION IS NOT REQUIRED, THE NOZZLE SHALL BE SQUARE AND SMOOTH.
3) TAPER DIFFERENCES IN THICKNESS TO A 3 : 1 TAPER.
4) ALL FILLET WELDS 3/8" UNLESS OTHERWISE NOTED ON VESSEL OUTLINE DRAWING OR SCHEDULE OF OPENINGS.

SHOP NOTES:
1) ALL NOZZLE REINFORCING PADS TO HAVE A 1/4" NPT HOLE.
2) FLANGE BOLT HOLES TO STRADDLE PRINCIPAL CL'S. OF VESSEL.
3) INSIDE EDGES OF NOZZ NECKS TO HAVE 1/8" MIN. RAD OR 1/2 THE WALL THICK IF PIPE WALL IS LESS THAN 1/4".
4) WHEN PWHT IS REQUIRED, ALL COUPLINGS MUST BE RETAPPED AFTER PWHT.
5) CLEAN VESSEL INSIDE AND OUT PRIOR TO SHIPPING.
6) ALL CONNS TO BE COVERED FOR SHIPPING. FLANGES TO BE CLEANED AND COATED WITH RUST PREVENTATIVE.
7) IF SHOWN, LIFTING LUGS ARE DESIGNED FOR EMPTY VESSEL LIFT ONLY.

BILL OF MATERIAL

MK NO	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	HANO-467542080	SHELL, 42" OD x 10'-0" S/S x 1-1/2" THK.	SA-516-70N
2	.5	HANO-467542080	SHELL, 42" OD x 10'-0" S/S x 1-1/2" THK.	SA-516-70N
3	2	HSD4200150CB	42" OD x 1-1/2" N - 1-7/16" M 2:1 ELLIPTICAL	SA-516-70N
4	2	FWNLW0600D1200CA	FLANGE, 6" 600# RF LWN x 12" LG.	SA-105N
5	1	FWNLW0200D0900CA	FLANGE, 2" 600# RF LWN x 9" LG.	SA-105N
6	3	FOTL0200U0800X3600CA	THREAD-O-LET, 2" 3000#	SA-105
7	1	FTC0200TLCA	COUPLING, 2" 6000# LONG x 6" LG.	SA-105
8	1	FTC0075TLCA	COUPLING, 3/4" 6000# LONG x 6"	SA-105
9	1	FTC1200TR6CA	COUPLING, 3/4" 6000# LONG x 12"	SA-105
10	1	FOCL0100LCA	COUPLET, 1" 6000#	SA-105
11	1	FOCL0075LCA	COUPLET, 3/4" 6000#	SA-105
12	1	FOCL0050LCA	COUPLET, 1/2" 6000#	SA-105
13	1	HANO-460510064	MIST ELIM, 6" 9# MESH FOR 39" ID VESSEL, CUT 10" BELOW CL	304SS / SA-36
14	1	OMEA-42SADDLE	SADDLE FOR 42" OD VESSEL	SA-36
15	10 FT	STFB0025X01500E	FLAT BAR, 1/4" x 1-1/2"	SA-36
16	4 FT	STFB1200X0250E	FLAT BAR, 1/4" x 12"	SA-36
17	2.5FT	STWF0600X01500F	BEAM, W6 x 15	SA-36
18	1	NAME-HANOVESSEL07	NAMEPLATE, AMSE CODE	316SS
19	2	OMEA-1361777	LIFT LUG, 1" x 6" x 7" W/ 2" DIA. HOLE	SA-36
20	7 FT	STFB0050X0800CE	FLAT BAR, 3/8" x 6"	SA-36
21	2 SF	PLST0375CE	PLATE, 3/8" HOT ROLLED	SA-36

NOZZLE SCHEDULE

ANSI B16.5 FLANGES / B2.1 NPT — P.S.V. ON PIPING

MARK	QTY	SIZE	RATING	FLANGE	NECK	COVER	STUDS	NUTS	GASKET	PAD	T.O.L.	COUP.	I.S. PROJ (MIN) AT ℄	O.S. PROJ (MIN) AT ℄	t	WELD TYPE	I.S. FILLET A	O.S. FILLET B	PAD FILLET C	SERVICE
C4	2	2"	3000# TOL	-	-	-	-	-	-	-	6	-	-	-	-	0	-	F	-	DRAIN
C3B	1	3/4"	6000# CPLG	-	-	-	-	-	-	-	9	FULL	SEE DWG	-	A	3/8"	3/8"	-	LEVEL GAUGE (LOWER)
C3A	1	3/4"	6000# CPLG	-	-	-	-	-	-	-	8	FULL	SEE DWG	-	A	3/8"	3/8"	-	LEVEL GAUGE (UPPER)
C2	1	2"	6000# CPLG	-	-	-	-	-	-	-	7	3/8"	SEE DWG	-	A	3/8"	3/8"	-	LIQUID L.I.C.
C1	1	2"	3000# TOL	-	-	-	-	-	-	-	6	-	-	-	0	-	F	-	LIQUID OUTLET
N3	1	2"	600# RF LWN	5	-	-	-	-	-	-	-	FULL	6"	-	A	3/8"	3/8"	-	PSV
N2	1	6"	600# RF LWN	4	-	-	-	-	-	-	-	1-7/8"	8"	-	A	3/8"	3/8"	-	GAS OUTLET
N1	1	6"	600# RF LWN	4	-	-	-	-	-	-	-	1"	SEE DWG	-	A	3/8"	3/8"	-	INLET

MATERIAL LIST NO. — ATTACHMENT

NOZZLE SCHEDULE

ANSI B16.5 FLANGES / B2.1 NPT — P.S.V. ON PIPING

MARK	QTY	SIZE	RATING	FLANGE	NECK	COVER	STUDS	NUTS	GASKET	PAD	T.O.L.	COUP.	I.S. PROJ (MIN) AT ℄	O.S. PROJ (MIN) AT ℄	t	WELD TYPE	I.S. FILLET A	O.S. FILLET B	PAD FILLET C	SERVICE
C7	1	1/2"	6000# COUPLET	-	-	-	-	-	-	-	12	-	-	-	0	-	F	-	PRESS. INDICATOR
C6	1	3/4"	6000# COUPLET	-	-	-	-	-	-	-	11	-	-	-	0	-	F	-	TEMP. INDICATOR
C5	1	1"	6000# COUPLET	-	-	-	-	-	-	-	10	-	-	-	0	-	F	-	BLOWDOWN

MATERIAL LIST NO. — ATTACHMENT

HYDRO-TEST 1872 PSI.

CERTIFIED BY: EXTERRAN. FAC. CODE BRD

U W RT-1

MAWP	1440	PSI @	120 °F
MAEWP	N/A	PSI @	N/A °F
MDMT	-14	°F @	1440 PSI

S/N: ???

YEAR 2008 HD.MIN-1 7/16"SHELLNOM.-1 1/2"

JOB NO.-BMF08-??? WEIGHT- 13,500 LBS.

DWG.NO.-HANO-485842182-100 CORR.ALLOW-0"

DESC.-42" OD x 15'-0" S/S HZ 2-PH SEPARATOR

SCHEDULE OF DRAWINGS/ SERIALS
FOR ISSUE OF SINGLE DRAWING FOR MULTIPLE VESSELS

HANO-_____-____ BR08-____

DESIGN DATA:

U — VESSEL TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE ASME PRESSURE VESSEL CODE SECTION VIII DIVISION 1 EDITION 2007 ADDENDA – AND IS TO BE SO STAMPED. NATIONAL BOARD NUMBER IS REQUIRED.

DESIGN: SEE NAMEPLATE PSI @ SEE NAMEPLATE DEG. F.
MAWP: SEE NAMEPLATE PSI @ SEE NAMEPLATE DEG. F. LIMITED BY: DESIGN OF VESSEL
MAP: SEE NAMEPLATE PSI @ SEE NAMEPLATE DEG. F. LIMITED BY:
MAEWP: SEE NAMEPLATE PSI @ SEE NAMEPLATE DEG. F.
MDMT: SEE NAMEPLATE DEG. F @ SEE NAMEPLATE PSIG
IMPACT REQUIREMENTS: EXEMPT PER UG-20f
CORROSION ALLOWANCE: SEE NAMEPLATE
HEAT TREAT: YES HEATING RATE: 1125 DEG. F. TO – DEG. F. @ – DEG. F. PER HOUR
HOLDING TIME: – HOURS, – MINUTES @ – DEG. F.
COOLING RATE: – DEG. F. PER HOUR TO – DEG. F.
FURTHER COOLING IN STILL AIR. HEAT TREATMENT TO BE PERFORMED IN ACCORDANCE WITH ASME CODE SECTION VIII PARAGRAPH UCS-56.
HEADS NORMALIZED DURING FORMING PROCESS: ☒ YES ☐ NO
FINAL HYDROSTATIC TEST:SEE NAMEPLATE PSI PRESSURE CHARTS REQ'D: YES CHART TIME: 1-HR
INSULATION REQUIRED: ☐ YES ■ NO –
FIRE PROOFING REQUIRED: ☐ YES ■ NO –
SEISMIC LOAD: UBC 97
WIND LOAD: ASCE 7-95
SPECIFICATIONS: EXTERRAN STANDARD

NDE REQUIREMENTS:

(PER ASME CODE UNLESS NOTED)

	RT1	RT2	RT3	RT4	NONE
RADIOGRAPHY: SEE NAMEPLATE	■	☐	☐	☐	☐
CATEGORY A WELDS					
LONG SEAM OR HEMI HD-SHELL	FULL LTH.	FULL LTH.	SPOT	____	
CATEGORY B WELDS					
CIRCUMFERENTIAL JOINT IN SHELL	FULL LTH.	SPOT	SPOT	____	
CIRCUMFERENTIAL JOINT IN NOZZLE > 10" OR > 1.125" THK.	FULL LTH.	SPOT	SPOT	____	
≤ 10" OR ≤ 1.125" THK.	N/A	N/A	N/A		
CATEGORY C WELDS					
FLANGE TO CYLINDER	FULL	SPOT	SPOT	____	
FLG. TO NOZ. > 10" OR > 1.125" THK.	FULL	SPOT	SPOT	____	
FLG. TO NOZ. ≤ 10" OR ≤ 1.125" THK.	N/A	N/A	N/A		
JOINT EFFICIENCIES (%)					
LONG SEAM & HEAD TO SHELL	100	100	85	____	70
SEAMLESS & HEAD TO SHELL	100	100	85	____	85

TESTING:

ULTRASONIC TEST: ☐ YES ■ NO
NOTES:
MAGNETIC PARTICLE TEST: ☐ YES ■ NO
NOTES:
DYE PENETRANT TEST: ☐ YES ■ NO
NOTES:

SURFACE TREATMENT:

SURFACE PREPARATION: SSPC-SP-6
PAINT: EXTERRAN STANDARD

ADDITIONAL NOTES:

IF CODE CASE 2235 IS UTILIZED THE STAMPING WILL BE UT.
IF "RT" IS UTILIZED WITH "UT", THE APPROPRIATE "RT" STAMPING WILL BE APPLIED WITH THE UT STAMPING.

WEIGHT EMPTY: 13,500 LBS. #

WELDING PROCEDURES:
SEE DRAWING EXTE-BR-WPS-001
gf 1-1 N a h
gfs 1-1 N a h

SUBJECT TO INSPECTION BY EXTERRAN & AI

SHOP RECORDS REQ'D:	☐	STRESS RELIEVE CHART	☐
MAT'L RECORDS	☐	TEST PRESSURE CHART	☒
NAME ℄ RUBBING	☒	STENCIL OPENINGS	☒

DWG NUMBER	DESCRIPTION

REFERENCE DRAWINGS

REV.	DESCRIPTION	DATE	BY	CK
0	FOR CONSTRUCTION	??/??/??	???	???

REVISIONS

TOLERANCES

CUTS	±1/8"
ANGLES	±1/2°
WELD ASS'Y.	±1/4"

JOB. NO.

PROD. I.D.

THIS DRAWING IS THE PROPERTY OF EXTERRAN AND IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY FURNISHED.

Edited by: GBrouss02
Jul 30, 2009 – 9:20am
File Name: HANO-485842182-100 – 42x15x1440 H2SEP COASTAL VesselDwg

STAMP

APPROVED

	INITIAL	DATE
Q.C.M.		
PROJ. MGR.		
ENGR. MGR.		

EXTERRAN.
1114 HUGHES ROAD
Broussard, Louisiana 70518 (337) 365-6170

CUSTOMER: STOCK
P/N HANO-485842182

TITLE: HZ. 2-PHASE SEPARATOR
42" OD x 15'-0" S/S 1440 MAWP @ 120°F

DRAWN	DATE	APPROVED	SCALE	NO. REQ'D
L. ROMERO	02/06/07	LMR	NOTED	?

DRAWING NO. HANO-485842182-100 — SHT. NO. 1 OF 1 — REV. 0

G:\PRIVATE\PRODUCTION EQUIPMENT\STOCK EQUIPMENT\SEPARATORS\HORIZONTAL\42X15X1440 H2SEP COASTAL\