

V-310
WATER FLASH DRUM
 SIZE 20" (508mm) O.D. x 10'-0" (3048mm) S/S 3-PHASE (DESIGNED 2)
 D.P.: 179 PSIG (1234 kPa) @ 200°F (-28/141°C)
 MONTR: -20°F C @ 0.125" (3.2mm)

H-350A/B
RUFFNECK
ELECTRIC HEATER
 MODEL: PDS-480000-200-KT
 480 V/3 PHASE/60 HZ, 1P
 20 KW 5/W 2/P THERMOSTAT

V-320
FUEL GAS SCRUBBER
 SIZE 18" (457mm) O.D. x 5'-0" (1524mm) LWD S
 MAMP: 285 PSIG @ 120°F (1827 kPa @ 86°C)
 MONTR: -20°F (-25°C), C.A. = 1/8" (3.2mm)

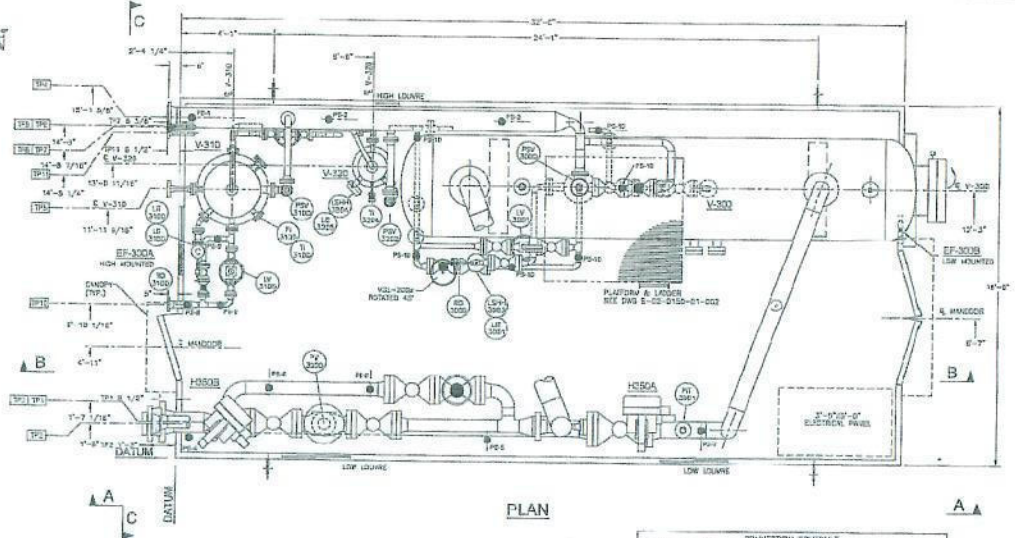
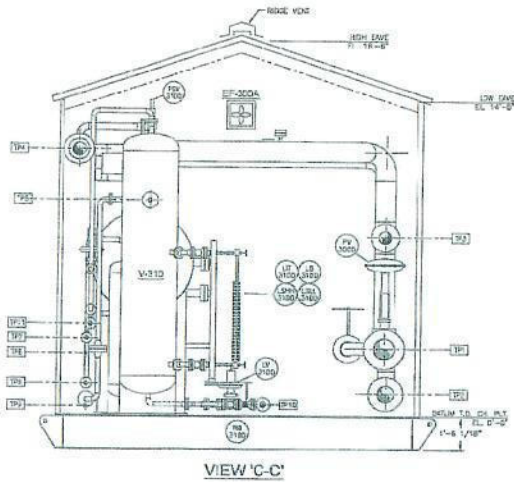
EF-300A/B
BUILDING EXHAUST FANS
 1/4 HP/120 VAC/1 PH/60 HZ
 0.7A THERMOSTAT & HOA

V-300
INLET SEPARATOR
 SIZE 24" (609.6mm) O.D. x 29'-0" (8930mm) S/S 3-PHASE
 MAMP: 1595 PSIG (11051 kPa) @ 120°F (-42/49°C)
 MONTR: -48°F C @ 0.1475" (4.8mm) SQUARE HEADS
 ROOF: 30" O.D. (508mm) x 2'-0" (610mm) S/S
 INTERNAL COATING: (FUTURE)

23/24 Group/01-0100-01/0102-0102-01-201 81.dwg

OSPCO STANDARD WELDED PIPING DESIGNATION SYSTEM

CHAMP: 03 - 01 - 102 - 102 - 01	OPTIONAL LEAVE OUT UNLESS NEEDED
1" - 2" DIA	1" - 2" DIA
3" - 4" DIA	3" - 4" DIA
5" - 6" DIA	5" - 6" DIA
8" - 10" DIA	8" - 10" DIA
12" - 18" DIA	12" - 18" DIA
24" - 30" DIA	24" - 30" DIA
36" - 48" DIA	36" - 48" DIA
60" - 72" DIA	60" - 72" DIA
96" - 108" DIA	96" - 108" DIA
144" - 168" DIA	144" - 168" DIA
216" - 252" DIA	216" - 252" DIA
324" - 396" DIA	324" - 396" DIA
432" - 504" DIA	432" - 504" DIA
540" - 648" DIA	540" - 648" DIA
720" - 864" DIA	720" - 864" DIA
936" - 1125" DIA	936" - 1125" DIA
1296" - 1584" DIA	1296" - 1584" DIA
1728" - 2160" DIA	1728" - 2160" DIA
2304" - 2880" DIA	2304" - 2880" DIA
3024" - 3744" DIA	3024" - 3744" DIA
3996" - 4992" DIA	3996" - 4992" DIA
5292" - 6588" DIA	5292" - 6588" DIA
7056" - 8832" DIA	7056" - 8832" DIA
9312" - 11664" DIA	9312" - 11664" DIA
12144" - 15168" DIA	12144" - 15168" DIA
15744" - 19680" DIA	15744" - 19680" DIA
20448" - 25560" DIA	20448" - 25560" DIA
26688" - 33360" DIA	26688" - 33360" DIA
35040" - 43800" DIA	35040" - 43800" DIA
45440" - 56760" DIA	45440" - 56760" DIA
59040" - 73920" DIA	59040" - 73920" DIA
76080" - 95520" DIA	76080" - 95520" DIA
98880" - 124320" DIA	98880" - 124320" DIA
128640" - 161040" DIA	128640" - 161040" DIA
167040" - 210720" DIA	167040" - 210720" DIA
216000" - 271440" DIA	216000" - 271440" DIA
277440" - 349920" DIA	277440" - 349920" DIA
354240" - 442800" DIA	354240" - 442800" DIA
458880" - 576000" DIA	458880" - 576000" DIA
595200" - 748800" DIA	595200" - 748800" DIA
771840" - 979200" DIA	771840" - 979200" DIA
1003200" - 1267200" DIA	1003200" - 1267200" DIA
1296000" - 1632000" DIA	1296000" - 1632000" DIA
1670400" - 2121600" DIA	1670400" - 2121600" DIA
2150400" - 2736000" DIA	2150400" - 2736000" DIA
2760000" - 3504000" DIA	2760000" - 3504000" DIA
3528000" - 4464000" DIA	3528000" - 4464000" DIA
4488000" - 5702400" DIA	4488000" - 5702400" DIA
5784000" - 7353600" DIA	5784000" - 7353600" DIA
7440000" - 9480000" DIA	7440000" - 9480000" DIA
9552000" - 12288000" DIA	9552000" - 12288000" DIA
12336000" - 15744000" DIA	12336000" - 15744000" DIA
15744000" - 20064000" DIA	15744000" - 20064000" DIA
20064000" - 25824000" DIA	20064000" - 25824000" DIA
25824000" - 33168000" DIA	25824000" - 33168000" DIA
33168000" - 42432000" DIA	33168000" - 42432000" DIA
42432000" - 54144000" DIA	42432000" - 54144000" DIA
54144000" - 69888000" DIA	54144000" - 69888000" DIA
69888000" - 89952000" DIA	69888000" - 89952000" DIA
89952000" - 115968000" DIA	89952000" - 115968000" DIA
115968000" - 149664000" DIA	115968000" - 149664000" DIA
149664000" - 193728000" DIA	149664000" - 193728000" DIA
193728000" - 249600000" DIA	193728000" - 249600000" DIA
249600000" - 320640000" DIA	249600000" - 320640000" DIA
320640000" - 413760000" DIA	320640000" - 413760000" DIA
413760000" - 536640000" DIA	413760000" - 536640000" DIA
536640000" - 697440000" DIA	536640000" - 697440000" DIA
697440000" - 902880000" DIA	697440000" - 902880000" DIA
902880000" - 1164000000" DIA	902880000" - 1164000000" DIA
1164000000" - 1507200000" DIA	1164000000" - 1507200000" DIA
1507200000" - 1958400000" DIA	1507200000" - 1958400000" DIA
1958400000" - 2544000000" DIA	1958400000" - 2544000000" DIA
2544000000" - 3297600000" DIA	2544000000" - 3297600000" DIA
3297600000" - 4262400000" DIA	3297600000" - 4262400000" DIA
4262400000" - 5510400000" DIA	4262400000" - 5510400000" DIA
5510400000" - 7142400000" DIA	5510400000" - 7142400000" DIA
7142400000" - 9196800000" DIA	7142400000" - 9196800000" DIA
9196800000" - 11822400000" DIA	9196800000" - 11822400000" DIA
11822400000" - 15283200000" DIA	11822400000" - 15283200000" DIA
15283200000" - 19766400000" DIA	15283200000" - 19766400000" DIA
19766400000" - 25584000000" DIA	19766400000" - 25584000000" DIA
25584000000" - 33264000000" DIA	25584000000" - 33264000000" DIA
33264000000" - 42864000000" DIA	33264000000" - 42864000000" DIA
42864000000" - 55680000000" DIA	42864000000" - 55680000000" DIA
55680000000" - 72432000000" DIA	55680000000" - 72432000000" DIA
72432000000" - 93696000000" DIA	72432000000" - 93696000000" DIA
93696000000" - 121440000000" DIA	93696000000" - 121440000000" DIA
121440000000" - 157056000000" DIA	121440000000" - 157056000000" DIA
157056000000" - 202368000000" DIA	157056000000" - 202368000000" DIA
202368000000" - 261120000000" DIA	202368000000" - 261120000000" DIA
261120000000" - 335040000000" DIA	261120000000" - 335040000000" DIA
335040000000" - 430080000000" DIA	335040000000" - 430080000000" DIA
430080000000" - 556800000000" DIA	430080000000" - 556800000000" DIA
556800000000" - 724320000000" DIA	556800000000" - 724320000000" DIA
724320000000" - 936960000000" DIA	724320000000" - 936960000000" DIA
936960000000" - 1214400000000" DIA	936960000000" - 1214400000000" DIA
1214400000000" - 1570560000000" DIA	1214400000000" - 1570560000000" DIA
1570560000000" - 2023680000000" DIA	1570560000000" - 2023680000000" DIA
2023680000000" - 2611200000000" DIA	2023680000000" - 2611200000000" DIA
2611200000000" - 3350400000000" DIA	2611200000000" - 3350400000000" DIA
3350400000000" - 4300800000000" DIA	3350400000000" - 4300800000000" DIA
4300800000000" - 5568000000000" DIA	4300800000000" - 5568000000000" DIA
5568000000000" - 7243200000000" DIA	5568000000000" - 7243200000000" DIA
7243200000000" - 9369600000000" DIA	7243200000000" - 9369600000000" DIA
9369600000000" - 12144000000000" DIA	9369600000000" - 12144000000000" DIA
12144000000000" - 15705600000000" DIA	12144000000000" - 15705600000000" DIA
15705600000000" - 20236800000000" DIA	15705600000000" - 20236800000000" DIA
20236800000000" - 26112000000000" DIA	20236800000000" - 26112000000000" DIA
26112000000000" - 33504000000000" DIA	26112000000000" - 33504000000000" DIA
33504000000000" - 43008000000000" DIA	33504000000000" - 43008000000000" DIA
43008000000000" - 55680000000000" DIA	43008000000000" - 55680000000000" DIA
55680000000000" - 72432000000000" DIA	55680000000000" - 72432000000000" DIA
72432000000000" - 93696000000000" DIA	72432000000000" - 93696000000000" DIA
93696000000000" - 121440000000000" DIA	93696000000000" - 121440000000000" DIA
121440000000000" - 157056000000000" DIA	121440000000000" - 157056000000000" DIA
157056000000000" - 202368000000000" DIA	157056000000000" - 202368000000000" DIA
202368000000000" - 261120000000000" DIA	202368000000000" - 261120000000000" DIA
261120000000000" - 335040000000000" DIA	261120000000000" - 335040000000000" DIA
335040000000000" - 430080000000000" DIA	335040000000000" - 430080000000000" DIA
430080000000000" - 556800000000000" DIA	430080000000000" - 556800000000000" DIA
556800000000000" - 724320000000000" DIA	556800000000000" - 724320000000000" DIA
724320000000000" - 936960000000000" DIA	724320000000000" - 936960000000000" DIA
936960000000000" - 1214400000000000" DIA	936960000000000" - 1214400000000000" DIA
1214400000000000" - 1570560000000000" DIA	1214400000000000" - 1570560000000000" DIA
1570560000000000" - 2023680000000000" DIA	1570560000000000" - 2023680000000000" DIA
2023680000000000" - 2611200000000000" DIA	2023680000000000" - 2611200000000000" DIA
2611200000000000" - 3350400000000000" DIA	2611200000000000" - 3350400000000000" DIA
3350400000000000" - 4300800000000000" DIA	3350400000000000" - 4300800000000000" DIA
4300800000000000" - 5568000000000000" DIA	4300800000000000" - 5568000000000000" DIA
5568000000000000" - 7243200000000000" DIA	5568000000000000" - 7243200000000000" DIA
7243200000000000" - 9369600000000000" DIA	7243200000000000" - 9369600000000000" DIA
9369600000000000" - 12144000000000000" DIA	9369600000000000" - 12144000000000000" DIA
12144000000000000" - 15705600000000000" DIA	12144000000000000" - 15705600000000000" DIA
15705600000000000" - 20236800000000000" DIA	15705600000000000" - 20236800000000000" DIA
20236800000000000" - 26112000000000000" DIA	20236800000000000" - 26112000000000000" DIA
26112000000000000" - 33504000000000000" DIA	26112000000000000" - 33504000000000000" DIA
33504000000000000" - 43008000000000000" DIA	33504000000000000" - 43008000000000000" DIA
43008000000000000" - 55680000000000000" DIA	43008000000000000" - 55680000000000000" DIA
55680000000000000" - 72432000000000000" DIA	55680000000000000" - 72432000000000000" DIA
72432000000000000" - 93696000000000000" DIA	72432000000000000" - 93696000000000000" DIA
93696000000000000" - 121440000000000000" DIA	93696000000000000" - 121440000000000000" DIA
121440000000000000" - 157056000000000000" DIA	121440000000000000" - 157056000000000000" DIA
157056000000000000" - 202368000000000000" DIA	157056000000000000" - 202368000000000000" DIA
202368000000000000" - 261120000000000000" DIA	202368000000000000" - 261120000000000000" DIA
261120000000000000" - 335040000000000000" DIA	261120000000000000" - 335040000000000000" DIA
335040000000000000" - 430080000000000000" DIA	335040000000000000" - 430080000000000000" DIA
430080000000000000" - 556800000000000000" DIA	430080000000000000" - 556800000000000000" DIA
556800000000000000" - 724320000000000000" DIA	556800000000000000" - 724320000000000000" DIA
724320000000000000" - 936960000000000000" DIA	724320000000000000" - 936960000000000000" DIA
936960000000000000" - 1214400000000000000" DIA	936960000000000000" - 1214400000000000000" DIA
1214400000000000000" - 1570560000000000000" DIA	1214400000000000000" - 1570560000000000000" DIA
1570560000000000000" - 2023680000000000000" DIA	1570560000000000000" - 2023680000000000000" DIA
2023680000000000000" - 2611200000000000000" DIA	2023680000000000000" - 2611200000000000000" DIA
2611200000000000000" - 3350400000000000000" DIA	2611200000000000000" - 3350400000000000000" DIA
3350400000000000000" - 4300800000000000000" DIA	3350400000000000000" - 4300800000000000000" DIA
4300800000000000000" - 5568000000000000000" DIA	4300800000000000000" - 5568000000000000000" DIA
5568000000000000000" - 7243200000000000000" DIA	5568000000000000000" - 7243200000000000000" DIA
7243200000000000000" - 9369600000000000000" DIA	



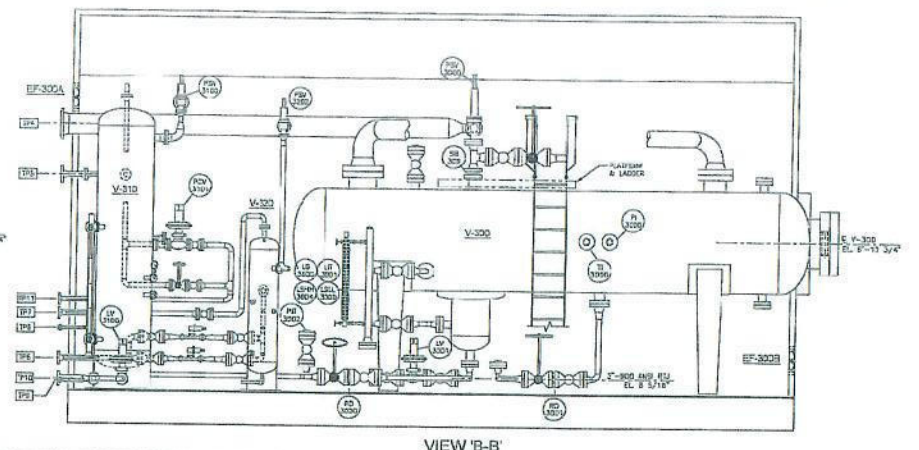
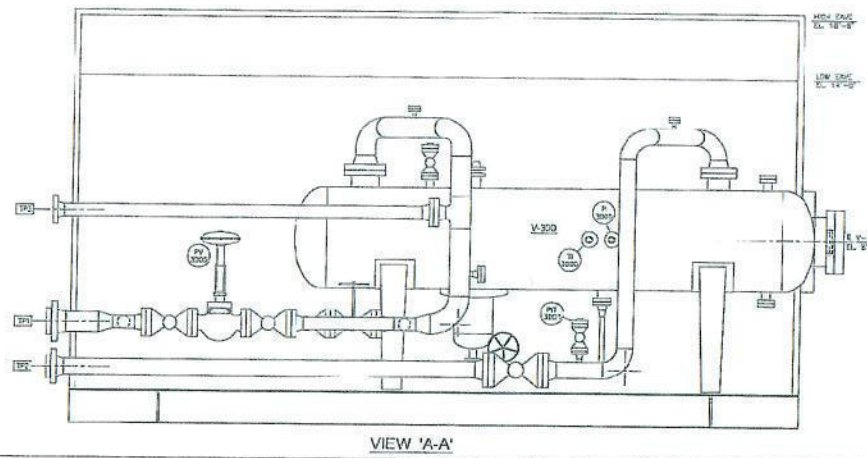
NOTES:
 REFERENCE DRAWINGS:
 BUILDING 802-0150-01-001
 SCL 501-0150-01-001
 STRUCTURAL DETAILS 501-0150-01-002

SHIPPING DIMENSIONS

LENGTH	34'-8"
WIDTH	7'-5"
HEIGHT	18'-6"
WEIGHT	82,725 LBS

CONNECTION SCHEDULE

MARK	SIZE	RATING	TYPE	DESCRIPTION	Ø ELEVATION
TP1	1/2"	600#	RF	GAS INLET	3'-0"
TP2	1/2"	600#	RF	GAS OUTLET	5'-0"
TP3	1/2"	600#	RF	INSTRUMENT CONNECTION	7'-11 1/2" (18")
TP4	1/2"	150#	RF	FLARE HEADER	11'-10"
TP5	2"	600#	RF	ORDER REEVE TO INLET MANIFOLD	8'-7"
TP6	1"	300#	NPT	INSTRUMENT AIR	3'-0"
TP7	2"	150#	RF	FAUL GAS OUTLET	2'-0"
TP8	3"	600#	RF	FAUL GAS INLET	1'-0"
TP9	1"	300#	NPT	HC OUTLET	0'-0"
TP10	3"	150#	RF	WATER OUTLET	0'-0"
TP11	2"	150#	RF	WATER OUTLET	4'-0 5/8"

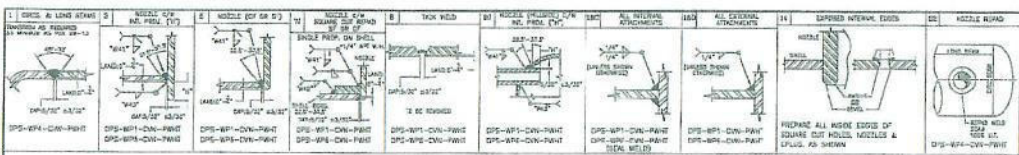


NO.	DATE	REVISIONS	BY	APP.	NO.	DATE	REVISIONS	BY	APP.	ENGINEERS RECORD		DATE
										DRAWN BY	DATE	
0	05/21/2005	ISSUED FOR APPROVAL	T.H.							DRAWN BY	T.H.	MAY 21, 2005
1	05/21/2005	ISSUED FOR CONSTRUCTION	T.H.							CHECKED BY		
2	05/21/2005	REVISED AS MARKED	J.E.							APPR. BY		
3	05/21/2005	AS BUILT	G.B.							ISSUED TO		
										SHOP		

1/1/2005 10:16:24 AM, clear.byuboy, 1.95.8035

Z:\Job Drawings\02-0150-31\02-0150-01-001 R3.dwg

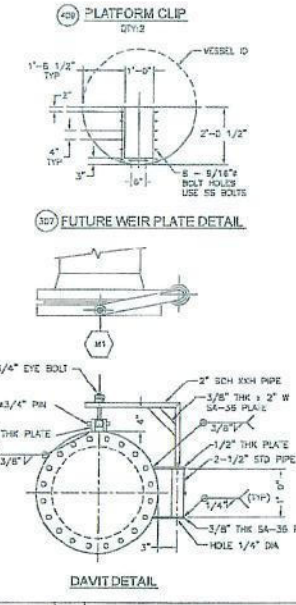
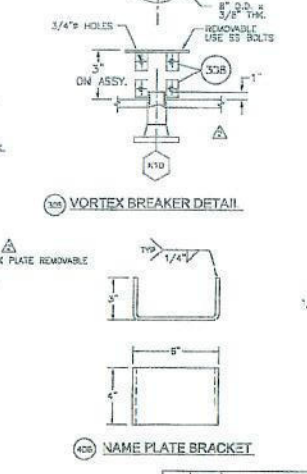
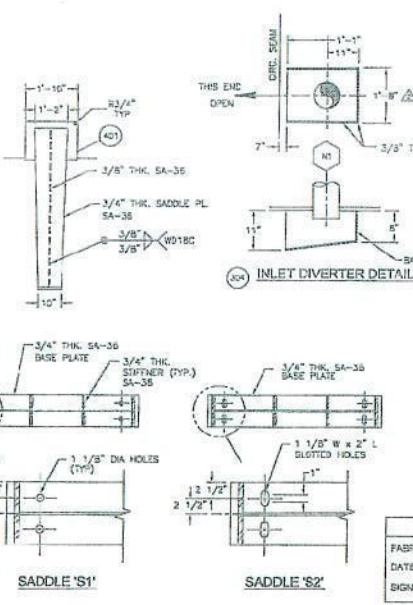
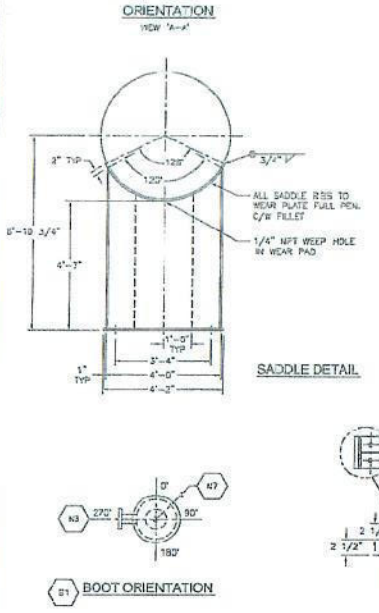
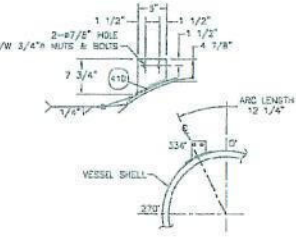
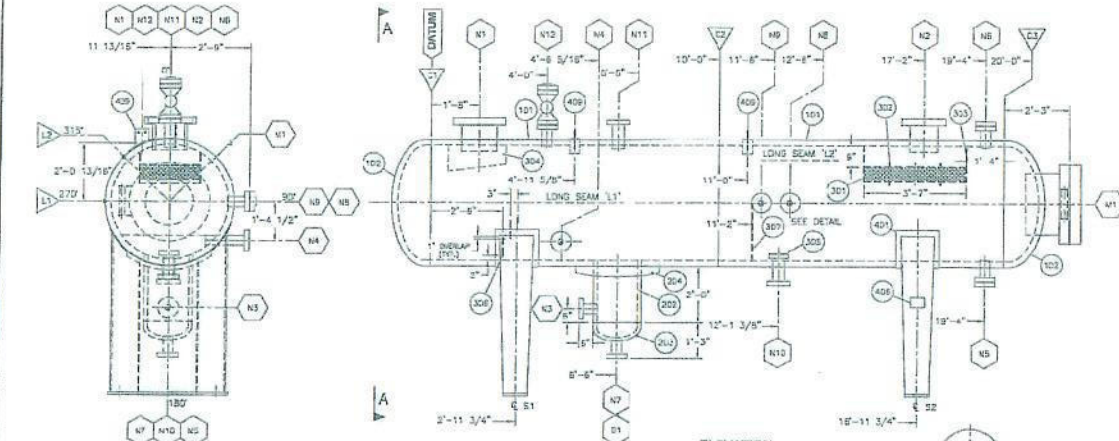
PROJECT 02-0150-31 2/2 SCL 501-0150-01-001 PHASE 01
 DATE 05/21/05
 SHEET 2 OF 2
 TITLE PIPING LAYOUT
 SCL 501-0150-01-001
 SHEET NO. 02-0150-01-001
 SHEET NO. 02-0150-01-001
 SHEET NO. 02-0150-01-001
 SHEET NO. 02-0150-01-001



SPECIAL MATERIAL CONSULT O/S/SPR

NO FCAW

- INSPECTION NOTES:**
1. RT-1 (INDIC) FULL 1-RAY ON LONG & DOME SEAMS & ALL BUTT WELDS LOCATED AS PER 04-05 & 07(14) BEFORE PAINT
 2. RT ON OUTSIDE OF VESSEL DOG, PAINT
 3. ALL PRESSURE CONTAINING PLATE INTERNAL HD TESTED PER WIDE TECHNIQUE 4.2
 4. APPROX 10% OF STAINLESS STEEL TO BE PAINT (1% FROM HARDNESS TESTING REQUIRED PER CS-10-ITEM 5.1)
 5. MIPW ON ALL INTERNAL ATTACHMENTS AFTER PAINT
- WELDING NOTES:**
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
 2. ALL BOLT HOLES TO STANDARD ANGLE WELDEMENT UNLESS OTHERWISE NOTED
 3. FINISHES: RADIUS 1/8" MINIMUM FOR ANGLES AND 1/8" MINIMUM FOR SURFACES
 4. ALL WELDS TO HAVE A 1/4" MIN WELD HOLE ON DOWN-HILL SIDE OF JOINTS FOR DRAINAGE
 5. TWO VEEP HOLES REQUIRED WHEN BEING IS SHUT (ONE EACH)
 6. REFER TO CUTT FROM TO WELDING
 7. WELDING WELD COUPON REQUIRED
 8. MARKS FOR PREPARATION FOR FUTURE INTERNAL COATING



BILL OF MATERIAL									
ITEM	QTY.	SIZE	TYPE	RATING	REF. W/T	MAT'L SPEC	DESCRIPTION		
100. VESSEL									
101	1	34" O.D.	DRUM		2.0007	SA-312-70N	34" O.D. x 20'-0" L. x 1.5" MIN. THK. DRUM		
102	2	34" O.D.	FLANGE		2.0007	SA-312-70N	34" O.D. x 1.5" THK. FLANGE		
200. CONNECTIONS									
201	1	30" ID	STAB	100#	1.5010	SA-312-70N	30" ID x 1.5" THK. STAB		
202	2	30" O.D.	FLANGE		1.5010	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
203	1	30" O.D.	FLANGE		1.5010	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
204	1	30" O.D.	FLANGE		2.0007	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
205	1	30" O.D.	FLANGE		2.0007	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
206	1	30" O.D.	FLANGE		1.5010	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
207	2	30" O.D.	FLANGE		1.5010	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
208	1	30" O.D.	FLANGE		1.5010	SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
300. INTERNAL ASSEMBLIES									
301	1	30" ID	STAB			SA-312-70N	30" ID x 1.5" THK. STAB		
302	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
303	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
304	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
305	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
306	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
307	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
308	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
400. EXTERNAL ASSEMBLIES									
401	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
402	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
403	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
404	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
405	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
406	1	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
407	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
408	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
409	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		
410	2	30" O.D.	FLANGE			SA-312-70N	30" O.D. x 1.5" THK. FLANGE		

NOZZLE SCHEDULE										
MARK	SIZE	RATING	TYPE	SERVICE	W.S.	W43	W40	W30	W20	ITEM
N1	10"	300#	FLANGE	WELT	5.14	5.04"	-	4.94"	4.84"	201
N2	8"	300#	FLANGE	WELT	5.14	5.04"	-	4.94"	4.84"	202
N3	8"	300#	FLANGE	UP DOWN (01-200)	5.14	5.04"	-	4.94"	4.84"	203
N4	8"	300#	FLANGE	UP DOWN (01-200)	5.14	5.04"	-	4.94"	4.84"	204
N5	8"	300#	FLANGE	FUTURE I/E COUPL	5.14	5.04"	-	4.94"	4.84"	204-106
N6	8"	300#	FLANGE	FUTURE I/E COUPL	5.14	5.04"	-	4.94"	4.84"	204-106
N7	8"	300#	FLANGE	TEMP	5.14	5.04"	-	4.94"	4.84"	204
N8	8"	300#	FLANGE	PRESSURE INDICATOR	5.14	5.04"	-	4.94"	4.84"	204-107
N9	8"	300#	FLANGE	TEMPERATURE INDICATOR	5.14	5.04"	-	4.94"	4.84"	204
N10	8"	300#	FLANGE	ALUMINUM HE SURT	5.14	5.04"	-	4.94"	4.84"	204-108
N11	8"	300#	FLANGE	HEAVY	5.14	5.04"	-	4.94"	4.84"	203
N12	8"	300#	FLANGE	EQUALIZER	5.14	5.04"	-	4.94"	4.84"	204-107
N13	8"	300#	FLANGE	HEAVY	5.14	5.04"	-	4.94"	4.84"	204-108
N14	8"	300#	FLANGE	HEAVY	5.14	5.04"	-	4.94"	4.84"	204-108
N15	8"	300#	FLANGE	HEAVY	5.14	5.04"	-	4.94"	4.84"	204-108

DWG RELEASE

FABRICATION COPY NO. ___ OF ___

DATE: _____

SIGNED: _____

NO.	DATE	REVISIONS	BY
1	01/11/2007	ISSUED FOR APPROVAL	LM
2	01/11/2007	ISSUED FOR CONSTRUCTION	MSD
3	01/11/2007	ISSUED FOR FUTURE INTERNAL COATING	LM
4	01/11/2007	ISSUED FOR FUTURE INTERNAL COATING	LM

THIS DRAWING IS THE PROPERTY OF OCEAN ENERGY INCORPORATED AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF OCEAN ENERGY INCORPORATED.

INTERNAL RECORD DATE: JUNE 29, 2008

DRAWN BY: T.H.

CHECKED BY: _____

APPROVED BY: _____

DESIGN DATA

DESIGN & CONSTRUCTION: VESSEL TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASME CODE AND PRESSURE VESSEL CODE SECTION VIII (Div. 1) Code Year: 2007

MAINT: *SFR, Insulation required per UCS-69(2) Items 101,102,103,203,204 & UCS-69(4)

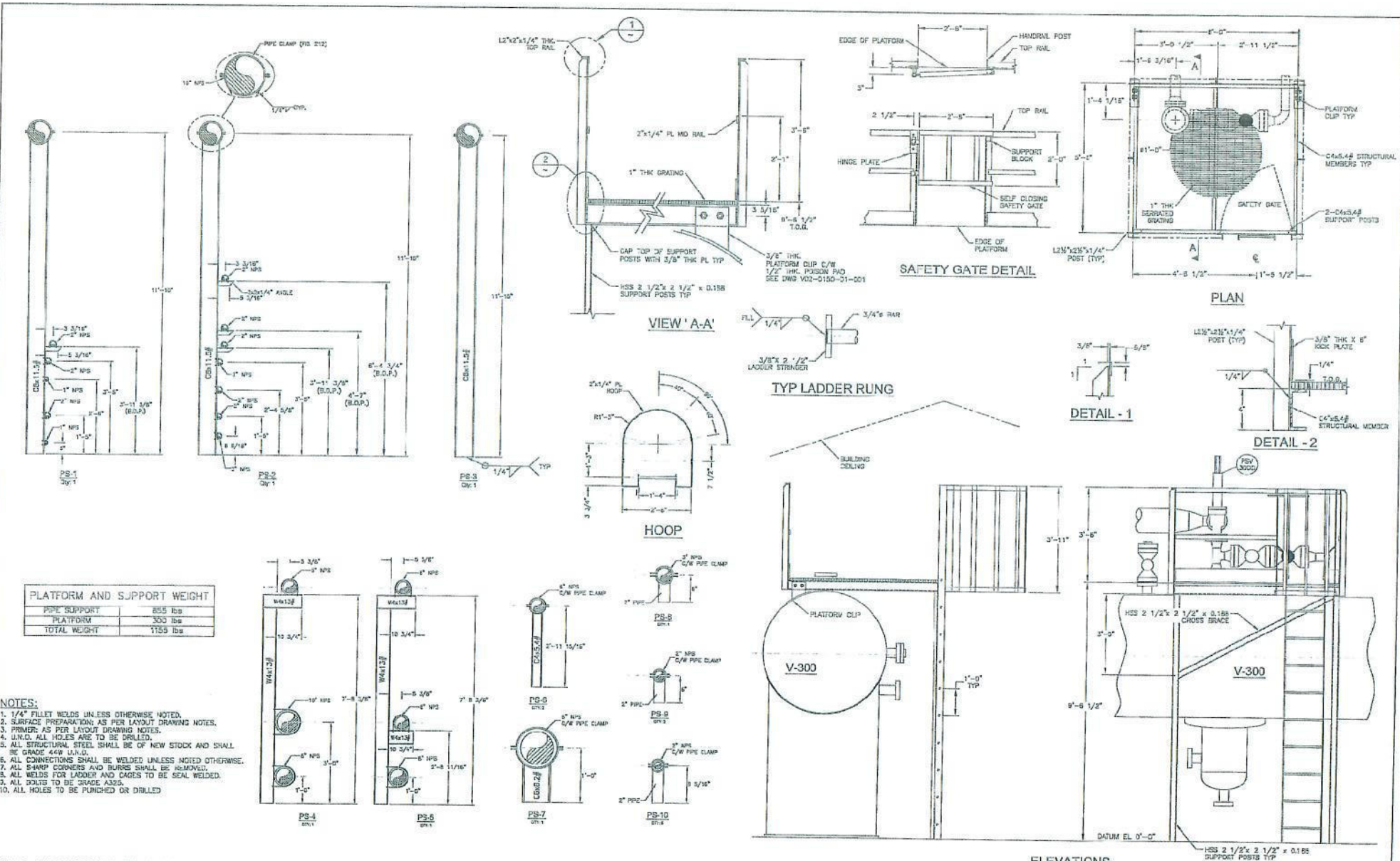
GROUP	YEAR	REVISION	REASON	BY
DESIGN	2007	01	ISSUED FOR APPROVAL	LM
DESIGN	2007	02	ISSUED FOR CONSTRUCTION	MSD
DESIGN	2007	03	ISSUED FOR FUTURE INTERNAL COATING	LM
DESIGN	2007	04	ISSUED FOR FUTURE INTERNAL COATING	LM

Note: For fabrication tolerances refer to "Showcase" Fabrication Tolerances for Vertical Pressure Vessels, (Rev. 02)

PROJECT: 54" O.D. x 20'-0" H.S. SCREW INTERNAL SPANNER MODELS
 UNIT: CENTRAL FACILITY
 TITLE: 54" O.D. x 20'-0" H.S. SCREW INTERNAL SPANNER (N-300)

REV. 01: 01/11/2007
 REV. 02: 01/11/2007
 REV. 03: 01/11/2007
 REV. 04: 01/11/2007

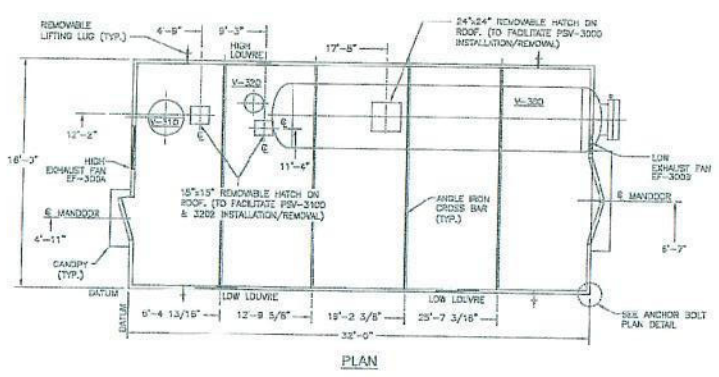
10/22/2008 10:18:01 AM, deambayubay, 1:30:0672



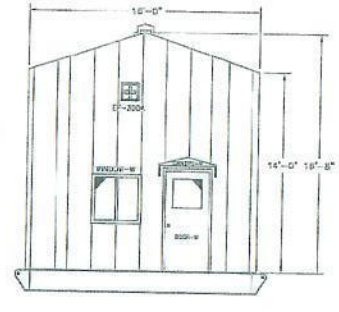
Z:\Job Drawings\02-0150-01\5-02-0150-01-002.dwg

NO. DATE		REVISIONS	BY	APP	NO. DATE	REVISIONS	BY	APP	ENGINEERS RECORD	DATE
0		ISSUED FOR CONSTRUCTION	TJK						DRAWN BY T.H.	JUNE 12, 2008
1		AS BUILT	D.B.						CHECKED BY	
									APPRO. BY	
									ISSUED TO SHOP	

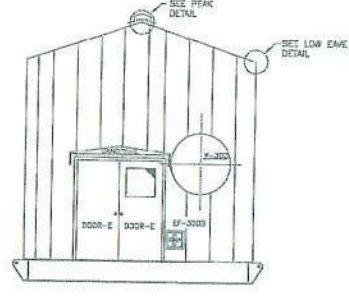
PROJECT: 02-0150-01 5/2 REPAIR/REPLACEMENT PACKAGE
 DRAWING NO.: 02-0150-01-002
 TITLE: STRUCTURAL DETAILS (PAGE 2 OF 2)
 DATE: 11/15/07
 DRAWN BY: T.H.
 CHECKED BY:
 APPRO. BY:
 ISSUED TO: SHOP
 ENGINEERS RECORD: JUNE 12, 2008
 DATE: 11/15/07
 DRAWING NO.: 02-0150-01-002
 TITLE: STRUCTURAL DETAILS (PAGE 2 OF 2)



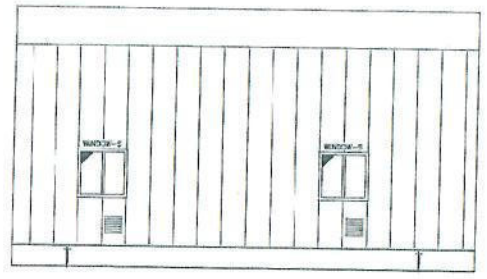
PLAN



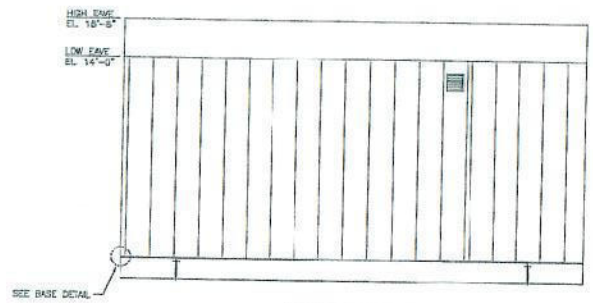
WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION



NORTH ELEVATION

BUILDING SPECIFICATIONS

- Design Criteria:
 Dead Snow Load = 2.50 kpa, 52.2 psf
 Ice Load = 0.20 kpa, 4.2 psf
 Basic Wind Factor = 0.8
 Wind (V₃₀) = 0.40 kpa, 8.4 psf
 Internal Pressure = 0.10 kpa, 2.0 psf
 Collateral Roof Load = 0.10 kpa, 2.1 psf
 Roof Live Load = 2.00 kpa, 42.0 psf
 Wall Head Load = 0.24 kpa, 5.0 psf
 Roof Dead Load = 0.24 kpa, 5.0 psf
 Inspection of materials and reports forwarded to SCS Engineering Ltd.
- The building foundation shall be designed by a qualified Professional Engineer to support the building conditions in addition to other loads imposed by the building use or occupancy. Drawings must be forwarded to SCS Engineering Ltd.
- Field reviews shall be performed by qualified professionals and reports forwarded to SCS Engineering Ltd.
- Cost figures submitted shall conform to:
 CSA-5138-94
- Structural steel members shall conform to:
 CSA-516.1-94 (Limit States Design),
 CSA 509 and CSA 447.1
- Fabrication shall be carried out in accordance with standard practice and all applicable codes.
- All doors, windows or other opening assemblies must be verified prior to installation.
- Above design and components shall conform to the latest editions of A.S.C. and applicable building codes.

BUILDING REACTIONS (Unfactored)

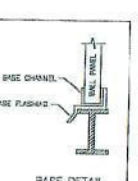
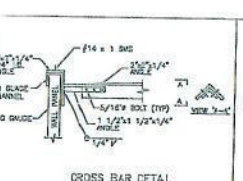
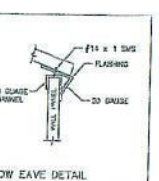
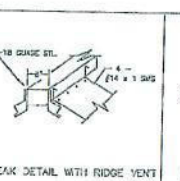
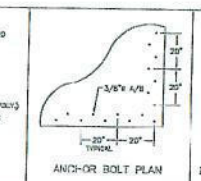
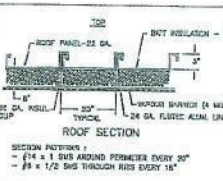
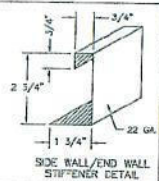
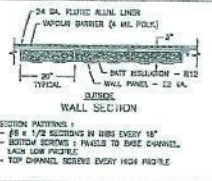
Uplift in Corners = 1832 lb.
 Shear in Sillwall = 19 lb./ft.
 Endwall = 138 lb./ft.
 Vertical Load in Sillwall = 472 lb./ft.(door)
 = 111 lb./ft.(wall)
 (NOTE: ABOVE REACTIONS ARE BASED ON DOORS OPENING IN THE WALLS)

BUILDING NOTES:

16'-0" wide x 32'-0" long DPSCO STANDARD building with:
 ROOF TYPE : GALVE EAVE HEIGHT: 14'-0" / 8'-0"
 EXTERIOR : 22 g. Pre-painted steel Color: SLATE BLUE WITH SURF WHITE TRIM
 INTERIOR : 24 g. Aluminum (WHITE)
 INSULATION : 2" Best type (Fiberglass for Walls (R20 for roof))
 VAPOR BARRIER : 4 MIL
 WINDOWS : Three (3) 36" x 36" double glazed w/w half screen.
 DOUBLE DOORS: ONE (1) 3' x 7' insulated steel mandor c/w panic H/wave check chain & lock set.
 DOOR CLOSURE : Yes
 DOOR WINDOW : Yes
 ALUM THRESH-HOLD: Yes
 CANNOPY: Yes
 One (1) 3' x 7' troubled steel blank door
 One (1) 3' x 7' insulated steel mandor c/w panic H/wave check chain & lock set.
 SINGLE DOOR : ONE (1) 3' x 7' insulated steel mandor c/w panic H/wave check chain & lock set.
 DOOR CLOSURE : Yes
 DOOR WINDOW : Yes
 ALUM THRESH-HOLD: Yes
 CANNOPY: Yes
 One (1) 3' x 7' troubled steel blank door
 One (1) 3' x 7' insulated steel mandor c/w panic H/wave check chain & lock set.
 AIR INTAKE (Louver): Three (3) SIZE 12" x 12" stamped lower c/w siders & 1/2" screen
 BUILDING PAN: TWO (2), 1/4 HP, 120V, 1 Phase/60 Hz / 5 AC/HR
 EMERGENCY: Both eaves
 DOWNPOUR: One Fink on Both Eaves
 ICE RAKES: Both eaves (Painted black)

FASTNER NOTES:

EAVE TIE TO TOP CHANNEL: #4 SCREW - 6 PER
 ROOF PANELS TO TOP CHANNEL: #4 SCREW - 5 PER PANEL
 ROOF PANEL TO PANEL: #4 SCREW - 8 PER PANEL
 ROOF PANEL TO END WALL: #4 SCREW - 8 PER PANEL
 END WALL PANEL TO PANEL: #8 SCREW - 4 PER PANEL
 SIDE WALL PANEL TO PANEL: #8 SCREW - 4 PER PANEL
 WALL PANEL TO TOP CHANNEL: #8 SCREW - 2 PER PANEL



NO.	DATE	REVISIONS	BY	APP	NO.	DATE	REVISIONS		BY	APP	ENGINEERS RECORD	DATE
							BY	APP				
0	2009.06.12	ISSUED FOR PLNG. REVIEW AND SEAMP	TAL									JUNE 12, 2009
1	2009.06.12	ISSUED FOR CONSTRUCTION	JAL									
2	2009.06.12	ADDED ONE MORE WINDOW	JAL									
3	2009.06.12	ISSUED FOR CONSTRUCTION	D.B.									

THIS DRAWING IS THE PROPERTY OF DPSCO INDUSTRIES LTD. AND LOANED TO THE REQUESTOR FOR HIS CONFIDENTIAL USE ONLY. IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE REQUESTOR HEREBY AGREES THAT IT SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF DPSCO INDUSTRIES LTD. THAT IT SHALL BE RETURNED UPON REQUEST AND THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY FOR ANY PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF DPSCO INDUSTRIES LTD.

23/Job Drawings/02-0100-01/002-0103-001 R2.dwg

SCALE: 1/4" = 1'-0"

DATE: 2009.06.12

PROJECT: 02-0100-01-002-0103-001

SHEET: 01 OF 01

DATE: 2009.06.12

SCALE: 1/4" = 1'-0"

PROJECT: 02-0100-01-002-0103-001

SHEET: 01 OF 01