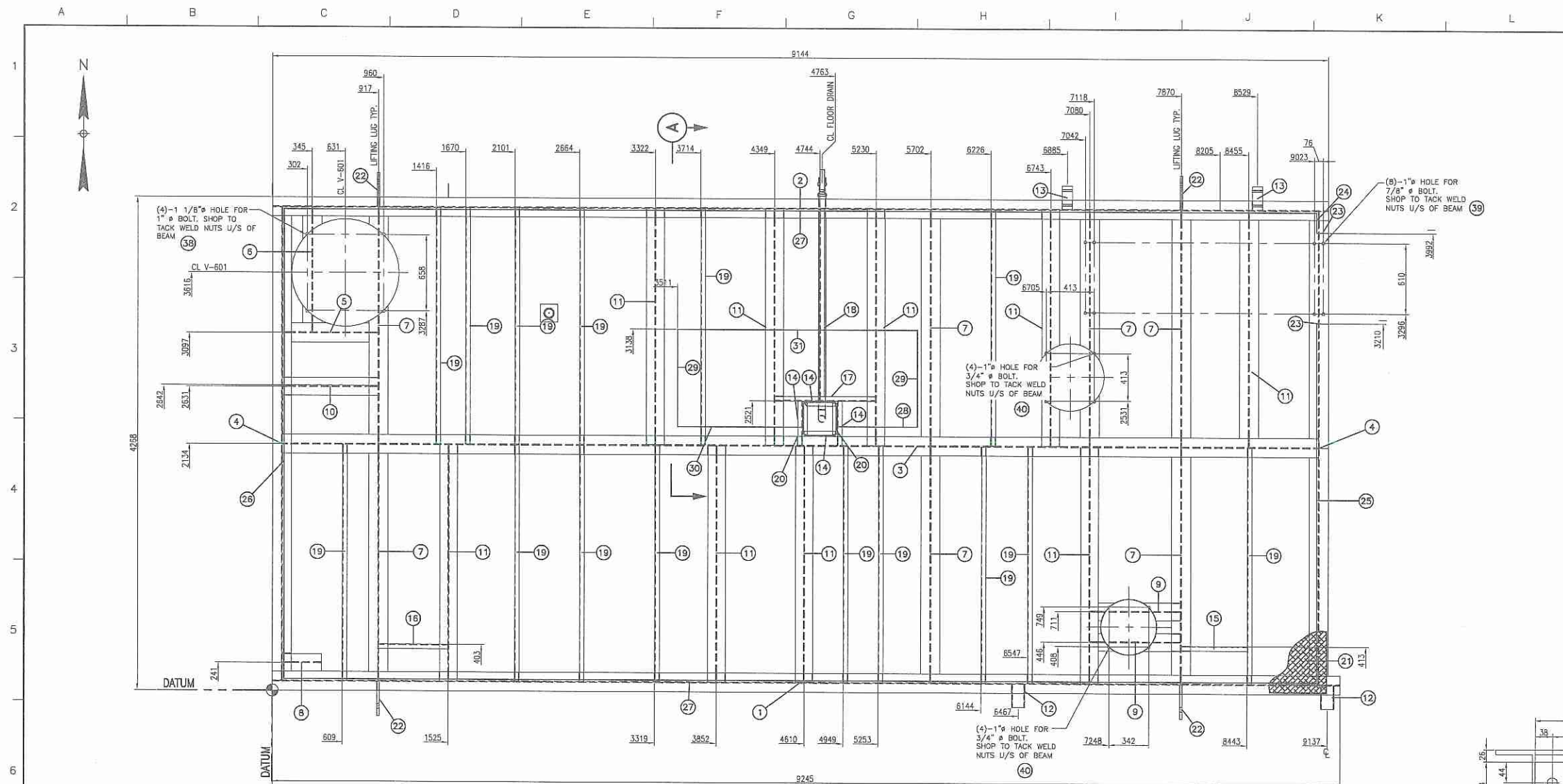
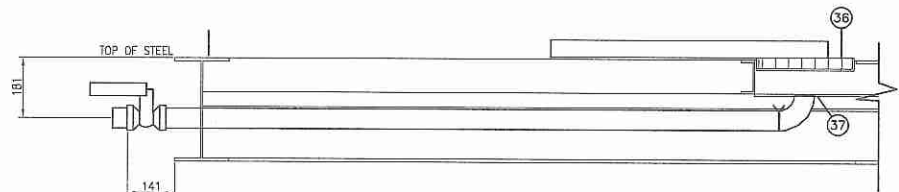
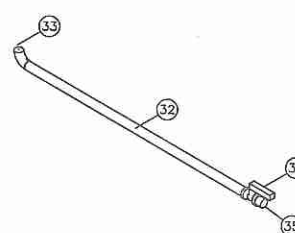




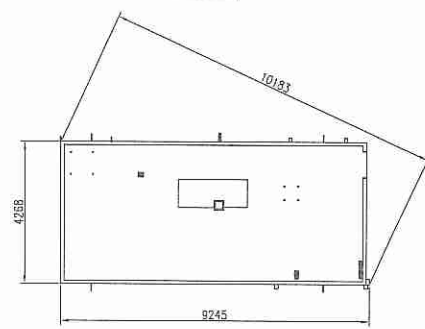
PLAN VIEW
SCALE 1:20



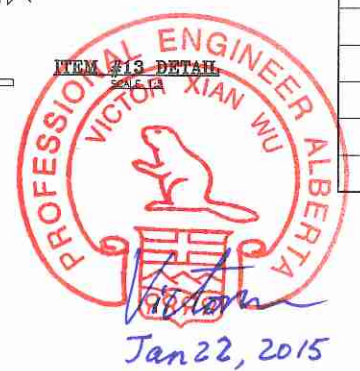
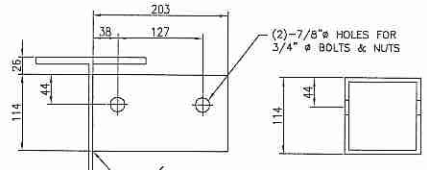
SECTION A-A
SCALE 1:10



FLOOR DRAIN ISO VIEW
SCALE 1:20

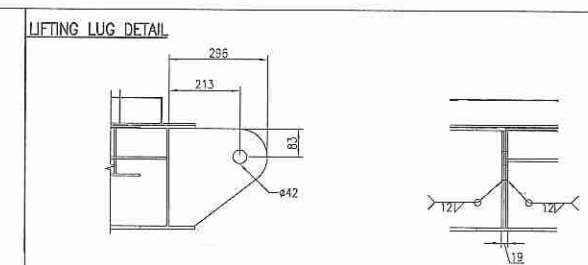
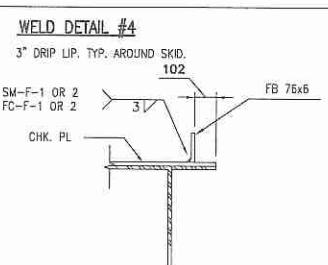
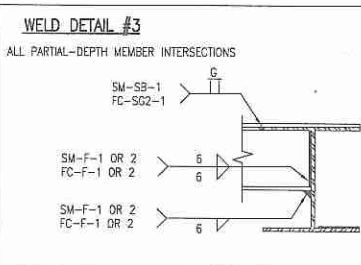
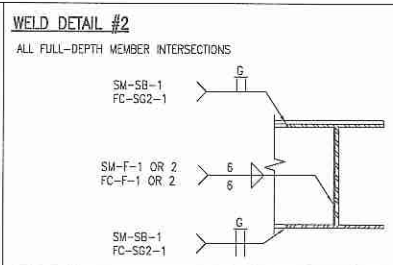
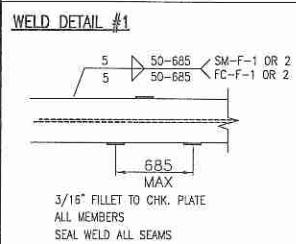


O/A SKID DIMENSIONS
SCALE 1:100



BILL OF MATERIAL				
MARK	QTY	LONG ANNOTATION	LENGTH	MATERIAL WEIGHT
1	1	W12X26	9245	350W 357.73
2	1	W12X26	9144	350W 353.80
3	1	W12X26	8973	350W 347.20
4	2	W12X26	4097	350W 154.52
5	1	W12X26	829	350W 28.07
6	1	W12X26	1083	350W 37.90
7	7	W12X26	2046	350W 526.01
8	1	W6X15	341	350W 6.97
9	2	W6X15	783	350W 31.36
10	1	W6X15	829	350W 17.22
11	9	W6X15	2046	350W 355.04
12	2	HSS4 5X5X1/4 5X5X1/4	203	350W 23.40
13	2	HSS3 4/4X1/4 4/4X1/4	203	350W 23.40
14	4	C4X5.4	385	350W 11.56
15	1	C4X5.4	571	350W 4.39
16	1	C4X5.4	602	350W 4.64
17	1	C4X5.4	875	350W 6.84
18	1	C4X5.4	1657	350W 12.94
19	15	C4X5.4	2046	350W 192.53
20	2	L1 1/2X1 1/2X1/4	305	300W 2.09
21	1	CHECKER PL-1/4 X 9134 X 4258	N/A	SA-36 GALVANIZED 2138.5
22	4	PL-3/4 X 296 X 291 (LIFTING LUG)	N/A	350WT-CAT.4 51.88
23	2	FB3x1/4	100	300W 0.38
24	1	FB3x1/4	176	300W 0.24
25	1	FB3x1/4	3156	300W 6.00
26	1	FB3x1/4	4065	300W 7.72
27	2	FB3x1/4	8944	300W 34.00
28	1	FB2x1/4	890	300W 0.75
29	2	FB2x1/4	840	300W 1.06
30	1	FB2x1/4	1080	300W 1.49
31	1	FB2x1/4	2076	300W 2.63
32	1	2" PIPE, SMLS, SCH. 80, BOE/TOE	1906	A-106B 14.24
33	1	2" 90° LR ELL, SCH. 80	-	A-234-WPB 0.89
34	1	2" BALL VALVE, CL2000, THRD	79	- 2.31
35	1	PLUG, HEX HEAD, THRD	-	A-105 1.38
36	1	GRATING: 1.25 x 3/16 X 280 X 280	-	ASTM A-36 1.38
37	1	PL-1/4 X 385 X 385	N/A	350W 7.40
38	4	1" STUD BOLTS & NUTS	50 LG.	A-325 1.00
39	8	7/8" STUD BOLTS & NUTS	50 LG.	A-325 1.00
40	8	3/4" STUD BOLTS & NUTS	50 LG.	A-325 1.00
TOTAL WEIGHT: 5450.05				

PACKAGE WEIGHTS		
DESCRIPTION	EMPTY (KG)	FLOODED (KG)
SKID & SUPPORTS	6411	6411
PIPING / VALVES / INST.	3783	6050
C-322	9435	12143
V-321	771	1155
E-325	2689	4034
V-326	359	519
V-327	404	648
REBOILER	1057	1585
BUILDING	2000	2000
MISC 5%	880	1425
TOTAL WEIGHT	27789	35970



- GENERAL NOTES:**
- ALL WELDS 6mm (1/4") FILLET WELDS UNLESS NOTED OTHERWISE.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - CHECKER PLATE IS TO BE SEAL WELDED PERIMETER WITH 5mm FILLET WELD & STITCHED 50-685 WITH 5mm FILLET WELD ON U/S OF CHECKER PLATE.
 - SEAMS TO BE SQUARE BUTT JOINTS WITH GROOVE WELD ON TOP SIDE ONLY (3mm PEN.)
 - INSULATE UNDERSIDE OF CHECKER PLATE SECTION OF SKID WITH 3" OF INDUSTRIAL GRADE URETHANE FOAM SPRAY c/w FIRE RETARDANT COATING.
 - SEE PIPE SUPPORT DETAILS ON DWG# S-14-05110-41-002

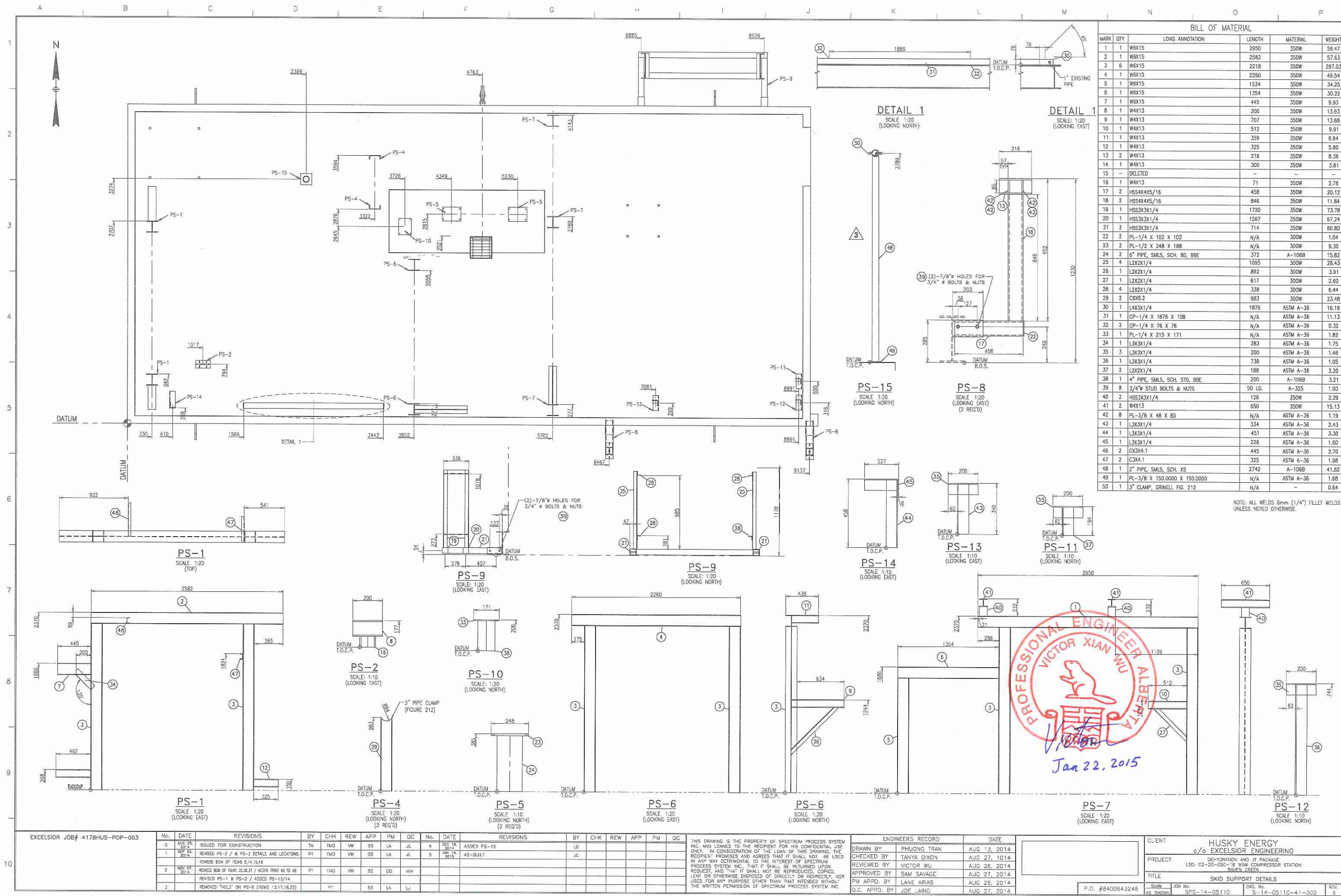
EXCELSIOR JOB# 4178HUS-POP-003														
No.	DATE	REVISIONS	BY	CHK	REW	APP	PM	QC	No.	DATE	REVISIONS	BY	CHK	REW
0	AUG 26 2014	ISSUED FOR CONSTRUCTION	TA	TD	VW	SS	LA	JL						
1	NOV 07 2014	ADDED ANOTHER ONE ON ITEM #19/ RELOCATED ITEM #16	PT	TD	VW	SS	LA	JL						
2	NOV 07 2014	REMOVED "HOLD", & ADDED DETAIL ON ITEM #12	PT	TD	VW	SS	DD	TMD						
3	JAN 13 2015	AS-BUILT	JC											

ENGINEERS RECORD			DATE
DRAWN BY	PHUONG TRAN		AUG 13, 2014
CHECKED BY	TANYA DIXON		AUG 27, 2014
REVIEWED BY	VICTOR WU		AUG 26, 2014
APPROVED BY	SAM SAVAGE		AUG 27, 2014
PM APPD. BY	LANE ARIAS		AUG 26, 2014
Q.C. APPD. BY	JOE LAING		AUG 27, 2014

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CLIENT	HUSKY ENERGY
PROJECT	c/o EXCELSIOR ENGINEERING
TITLE	STRUCTURAL SKID DETAILS
Scale	AS SHOWN
JOB No.	SPS-14-05110
DWG. No.	S-14-05110-41-001
REV.	3



BILL OF MATERIAL				
MARK	QTY	LONG ANNOTATION	LENGTH	WEIGHT
1	1	WBX15	2950	59.47
2	1	WBX15	2582	57.63
3	6	WBX15	2218	297.03
4	1	WBX15	2260	46.54
5	1	WBX15	1534	34.25
6	1	WBX15	1354	30.22
7	1	WBX15	445	9.93
8	1	W4X13	200	13.93
9	1	W4X13	707	13.68
10	1	W4X13	512	9.91
11	1	W4X13	359	6.94
12	1	W4X13	325	5.80
13	2	W4X13	216	8.36
14	1	W4X13	300	3.81
15	-	DELETED	-	-
16	1	W4X13	71	2.76
17	2	HSS4X4X5/16	458	20.12
18	2	HSS4X4X5/16	846	11.84
19	1	HSS3X3X1/4	1720	73.78
20	1	HSS3X3X1/4	1567	67.24
21	2	HSS3X3X1/4	714	60.80
22	2	PL-1/4 X 102 X 102	N/A	1.04
23	2	PL-1/2 X 248 X 188	N/A	9.30
24	2	6" PIPE, SMLS, SCH. 80, BBE	372	15.82
25	4	L2X2X1/4	1095	28.43
26	1	L2X2X1/4	892	3.91
27	1	L2X2X1/4	617	2.60
28	4	L2X2X1/4	338	6.44
29	2	C6X8.2	983	23.48
30	1	L4X3X1/4	1875	16.19
31	1	CP-1/4 X 1875 X 108	N/A	11.13
32	2	CP-1/4 X 76 X 76	N/A	0.32
33	1	PL-1/4 X 215 X 171	N/A	1.82
34	1	L3X3X1/4	283	1.75
35	3	L3X3X1/4	200	1.46
36	1	L3X3X1/4	738	1.05
37	2	L2X2X1/4	188	3.20
38	1	4" PIPE, SMLS, SCH. STD, BBE	200	3.21
39	8	3/4" STUD BOLTS & NUTS	50 LG.	1.00
40	2	HSS3X3X1/4	126	2.29
41	2	W4X13	650	15.13
42	8	PL-3/8 X 48 X 85	N/A	1.19
43	1	L3X3X1/4	334	2.43
44	1	L3X3X1/4	451	3.30
45	1	L3X3X1/4	228	1.60
46	2	CX3X4.1	445	2.70
47	2	C3X4.1	325	1.98
48	1	2" PIPE, SMLS, SCH. XS	2742	41.82
49	1	PL-3/8 X 150.0000 X 150.0000	N/A	1.68
50	1	3" CLAMP, GRNELL FIG. 212	N/A	0.64

NOTE: ALL WELDS 6mm (1/4") FILLET WELDS UNLESS NOTED OTHERWISE.

EXCELSIOR JOB# 4178HUS-POP-003										ENGINEERS RECORD									
No.	DATE	REVISIONS	BY	CHK	REW	APP	PM	QC	No.	DATE	REVISIONS	BY	CHK	REW	APP	PM	QC	DATE	DATE
0	AUG 26, 2014	ISSUED FOR CONSTRUCTION	TA	TMD	VW	SS	LA	JL	4	SEP 18, 2014	ADDED PS-15	LG						AUG 13, 2014	
1	SEP 02, 2014	REVISED PS-2 / & PS-3 DETAILS AND LOCATIONS	PT	TMD	VW	SS	LA	JL	5	SEP 18, 2014	AS-BUILT	JC						AUG 27, 2014	
2	NOV 04, 2014	REVISED BOX OF ITEMS 8,14,15,16																AUG 26, 2014	
		REVISED BOX OF ITEMS 33,36,37 / ADDED ITEMS 40 TO 48	PT	TMD	VW	SS	DD	MH										AUG 27, 2014	
		REVISED PS-1 & PS-2 / ADDED PS-13/14																AUG 25, 2014	
3		REMOVED "VOID" ON PS-8 (ITEMS 13,17,18,22)	PT			SS	LA	LJ										AUG 27, 2014	
										CLIENT									
										HUSKY ENERGY									
										c/o EXCELSIOR ENGINEERING									
										PROJECT									
										DEHYDRATION AND JT PACKAGE									
										LSD: 02-20-050-18 WSM COMPRESSOR STATION									
										RAVEN CREEK									
										TITLE									
										SKID SUPPORT DETAILS									
										Scale									
										AS SHOWN									
										P.O. #8400843246									
										DWG. No.									
										SFS-14-05110									
										S-14-05110-41-002									
										REV.									
										5									

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