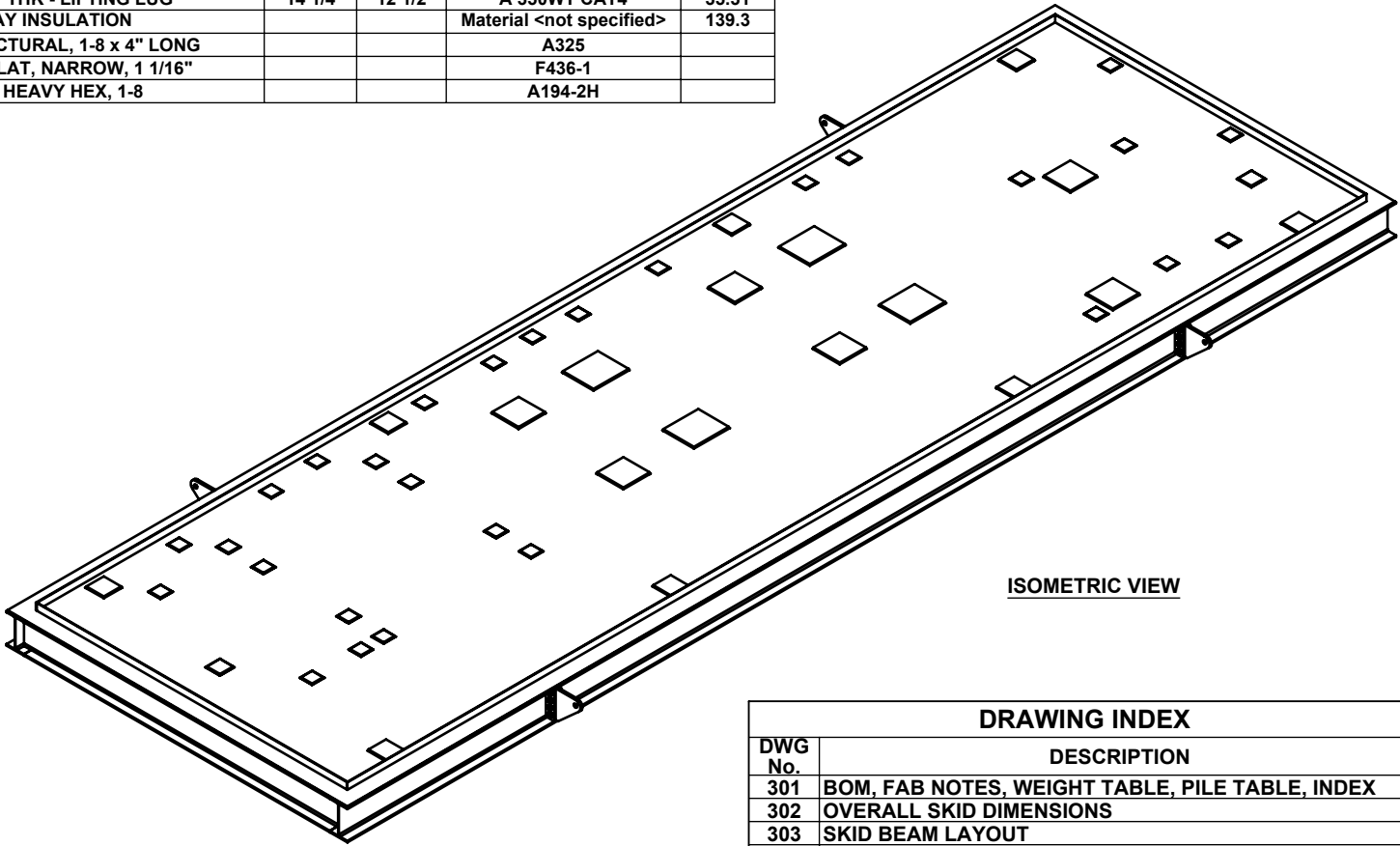


BILL OF MATERIAL						
ITEM NO.	WPEP	QTY.	DESCRIPTION	LENGTH	WIDTH	MATERIAL WEIGHT
1		2	W14x48	480		50W 1926.0
2		2	W14x48	147 5/8		50W 571.4
3		4	W14x48	73 5/8		50W 274.5
4		1	W14x48	471 5/8		50W 1871.4
5		2	FLATBAR, 1/4 x 3	466 1/2		44W 99.2
6		2	FLATBAR, 1/4 x 3	142		44W 30.2
7		8	PLATE, 3/4" THK. - LIFTING LUG SIDE PLATE	12 5/8	3 3/4	A 350WT CAT4 9.3
8		8	PLATE, 1/2" THK. - SOLE PLATE - CRANE BRIDGE	8	8	44W 13.6
9		6	PLATE, 3/4" THK. - SOLE PLATE - PUMPS	12	12	44W 30.6
10		28	PLATE, 1/2" THK.- SOLE PLATES - SUPPORTS	5	5	44W 3.5
11		17	W6x15	73 5/8		44W 88.8
12		1	W6x15	30 15/16		44W 34.5
13		2	PLATE, 1/2" THK. - SOLE PLATES-HEATERS	6	6	44W 6.1
14		8	W6x15	34 13/16		44W 39.4
15		1	W6x15	65 5/16		44W 77.6
16		4	PLATE, 3/4" THK. - SOLE PLATE - MA-60M	16	14	44W 47.6
17		1	W6x15	23 11/16		44W 25.4
18		1	W6x15	33 1/8		44W 37.2
19		1	W6x15	47 1/16		44W 54.7
20		2	W14x48	73 5/8		44W 274.5
21		1	W6x15	21 1/16		44W 22.1
22		1	W6x15	22 3/16		44W 23.5
23		1	W6x15	52 5/16		44W 61.3
24		2	C4x5.4	24 1/8		44W 9.9
25		2	C4x5.4	25 5/16		44W 11.0
26		4	C4x5.4	23 7/8		44W 10.1
27		1	C4x5.4	19 13/16		44W 8.0
28		3	C4x5.4	47 1/16		44W 20.2
29		3	C4x5.4	33 1/8		44W 14.0
30		3	C4x5.4	65 5/16		44W 28.4
31		1	C4x5.4	30 15/16		44W 13.0
32		1	C4x5.4	23 7/8		44W 10.4
33		1	C4x5.4	28 1/4		44W 11.8
34		1	C4x5.4	35 3/16		44W 15.2
35		3	C4x5.4	18 7/8		44W 7.9
36		3	C4x5.4	19 9/16		44W 8.1
37		1	C4x5.4	27 7/8		44W 11.9
38		1	C4x5.4	26 15/16		44W 11.4
39		1	C4x5.4	27 11/16		44W 11.8
40		1	C4x5.4	21 7/8		44W 9.2

BILL OF MATERIAL						
ITEM NO.	WPEP	QTY.	DESCRIPTION	LENGTH	WIDTH	MATERIAL WEIGHT
41		3	W6x15	65		44W 77.2
42		3	W6x15	26 11/16		44W 29.2
43		2	W6x15	44 7/16		44W 50.7
44		1	W6x15	24 3/16		44W 25.3
45		1	W6x15	17 7/8		44W 17.3
46		1	W6x15	33 5/8		44W 37.1
47		1	W6x15	64 11/16		44W 76.9
48		1	C4x5.4	26 7/8		44W 11.2
49		2	C4x5.4	44 7/16		44W 19.3
50		2	C4x5.4	17 7/8		44W 7.4
51		3	C4x5.4	33 5/8		44W 14.4
52		2	C4x5.4	24 3/16		44W 10.2
53		1	C4x5.4	65		44W 28.3
54		2	C4x5.4	33 1/2		44W 14.4
55		1	C4x5.4	45 3/4		44W 19.9
56		1	W6x15	26 7/8		44W 29.4
57		1	P1378-320, CHECKER PLATE	479 1/2	155 1/2	44W 5039.0
58		4	PLATE, 1" THK - LIFTING LUG	14 1/4	12 1/2	A 350WT CAT4 35.31
59		1	SPRAY INSULATION			Material <not specified> 139.3
60		16	BOLT, STRUCTURAL, 1-8 x 4" LONG			A325
61		16	WASHER, FLAT, NARROW, 1 1/16"			F436-1
62		16	BOLT, HEAVY HEX, 1-8			A194-2H

MAXIMUM PILE/FOUNDATION SUPPORT LOAD (SPECIFIED)	
LIVE LOAD	- kN
SNOW LOAD	2.8 kN
DEAD LOAD	- kN
WIND LOAD (REVERSIBLE)	0.3 kN



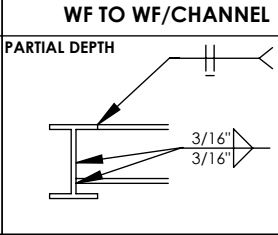
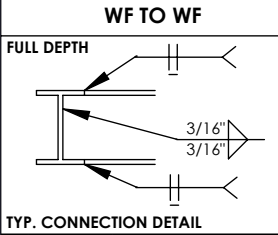
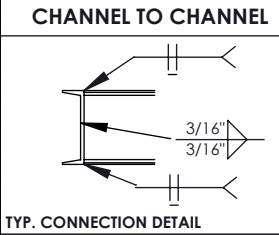
ISOMETRIC VIEW

SKID DETAIL NOTES:

- SKID FRAMING TO BE OF SOLID WELDED CONSTRUCTION OF 1/4" CONTINUOUS FILLET WELDS.
- FLANGE-FLANGE CONNECTIONS TO BE BUTT WELDED.
- COPE ALL FRAMING MEMBERS INTO ONE ANOTHER.
- ALL WELDS TO BE GROUND FLUSH ON THE BOTTOM OF THE SKID.
- PERIMETER BEAMS & SKID UNDER SIDE:
NO PREP/NO PAINT; **BARE METAL ONLY**
TOP SURFACE OF SKID ONLY:
A. ABRASIVE BLAST CLEAN TO SSPC SP10
B. 1ST COAT: ONE(1) COAT POLYIMIDE EPOXY DEVOE 231 PRIMER (TDFT 3.0 (MILS))
C. TOP COAT: TWO(2) COATS, DEVTHANE 389 (TDFT 6.0 (MILS)) (TO UNINSULATED AREAS ONLY)
D. COLOR: WARM GREY
E. NOTE: SPRAY APPLICATION ONLY
- ALL STEEL AND FABRICATION/ERECTION SHALL CONFORM TO:
F. CSA STANDARD S16-09 LIMIT STATES DESIGN OF STEEL STRUCTURES
G. CISC HANDBOOK OF STEEL CONSTRUCTION
H. CSA W59 WELDED STEEL CONSTRUCTION
- MATERIALS SHALL CONFORM TO THE FOLLOWING GRADES OF CSA G40.21-M:
A. HOLLOW STRUCTURE SECTION
B. W & HP SHAPES
C. CHANNEL
D. PLATE
E. ROLLED SECTIONS NOT OTHERWISE SPECIFIED
- TOP OF STEEL FLUSH UNLESS NOTED OTHERWISE
- INSULATION: CLASS 1 FIRE RETARDANT SPRAY FOAM INSULATION 2" IN DEPTH ON UNDERSIDE OF SKID.

50W(OR EQUAL)
50W(OR EQUAL)
44W(OR EQUAL)
44W(OR EQUAL)
44W(OR EQUAL)

WEIGHT TABLE						
ITEM	DESCRIPTION	WEIGHT	X	Y	Z	
1	SKID ASSEMBLY, 13'x40' (EMPTY, INCL. LUGS, NO PAINT)	18500 lbs.				
2	BUILDING (13' x 40' x 9'-0" EAVE x 3:12, R12 WALL, R20 ROOF)	8000 lbs.				
3	PIPING TRAIN 8920/8930 (CPC)	3430 lbs.				
4	PIPING TRAIN 8940/8950 (MA-90M)	11600 lbs.				
5	PIPING TRAIN 9110/9120 (ROTH)	4130 lbs.				
6	PIPING TRAIN DRAINS	490 lbs.				
7	HEATERS, MOUNTS, c/w PIPING	720 lbs.				
8	CRANE, CRANE BRIDGE	4800 lbs.				
9	PIPE STANDS	1000 lbs.				



GENERAL NOTES:	
1.	GENERAL SHOP TOLERANCES ARE +/- 1/8"
2.	TO BE WELDED BY CWB CERTIFIED WELDERS ONLY.
3.	MPI 100% ON LIFTING LUGS
4.	2" INSULATION ON UNDERSIDE OF SUMP TANK, AND FLOOR DRAIN SUMP.

REVISIONS									
REV	DESCRIPTION	DATE	BY	CHK	ENG	SHOP	QCI	PM	
0	ISSUED FOR CONSTRUCTION	15AUG14	JP						

TOLERANCES (UNLESS OTHERWISE STATED) REFER TO ASME B16
FABRICATION TOLERANCES ± 1/8" [3.2] ANGLES ± 1°
MACHINING TOLERANCES X ± 0.1" ±[2.5] XX ± 0.01" ±[0.25] XXX ± 0.005" ±[0.13] ANGLES - ±0.5° or ±0'00"30s
THREADS: EXTERNAL-CLASS 2A INTERNAL-CLASS 2B FLATNESS &/OR STRAIGHTNESS: 0.005/IN [0.13/25.4]

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ALL DIMENSIONS IN [] ARE mm DO NOT SCALE DRAWING
DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1994 IF IN DOUBT - ASK

APEGGA PERMIT TO PRACTICE No: P07612 ABSA AUTH. No: AQP21428

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MODELED: JP		DATE: 20MAY14		SKID ASSEMBLY	
DRAWN: JP		DATE: 02JUL14			
CHECKED: SL		DATE: 03JUL14		CLIENT: PROGRESS ENERGY CANADA LTD.	
APPROVED: AW		DATE: 04JUL14		CONSUL: KEYWEST PROJECTS LTD.	
TITLE: CARIBOU SOUTH REFRIGERATION PLANT					
REF No: -				-	
TAG No: -		PO No: PG093-004-PO-21-07		LOCATION: C-16-F/94-G-7	
SCALE: N.T.S.		CALC. WEIGHT: 18158.4 lbs.		DWG No: P1378-301	
				REV No: 0	