

From KTA Structural Engineers

- Code: CAN/CSA S16.1-94 Supplement to NBCC 1995
- Design Loads: Wind: 160km/h Exposure A Cg=1.20 Cf=0.7
- Base Reactions: (unfactored) Moment: 22 Kip-ft Vertical: Self-Weight Horizontal: 1.20 Kips
- Pipe: Grade 240MPa Base Plate: Grade 300Mpa Corrosion Allowance: 1/8"

BILL OF MATERIALS				
ID	Qt	Part	Description	Material
STACK COMPONENTS				
1	2	BASE PLATE	1 1/4" THICK X 15" DIAMETER	44W
2	8	BOLT	1 1/8" x 6" LONG STUD BOLT	SA-193-B7M
3	16	NUT	1 1/8" HEX NUT	SA-194-2HM
4	1	LOWER STACK	8" STD. PIPE X 24'-10 3/4"± LONG	SA-106-B
5	1	REDUCER	8" X 4" CONCENTRIC REDUCER	SA-234-WPB
6	1	UPPER STACK	4" STD. PIPE X 11'-0"± LONG	SA-106-B
7	2	TIP FLANGE	4" CLASS 150 WELDING NECK PIPE FLANGE	SA-105N
8	1	FLARE TIP	4" SCH. 10 X 3'-0"± LONG	316 SS
9	1	INLET FLANGE	4" CLASS 150 WELDING NECK PIPE FLANGE	SA-105N
10	1	INLET NOZZLE	4" STD. PIPE X 16 1/4"± LONG	SA-106-B
11	1	SEAL PLATE	3/8" PLATE - SEE DETAIL	44W
12	8	GUSSET	3/8" PLATE - SEE DETAIL	44W
13	1	VENT PORT	1" SCH. 80 PIPE X 3/4" LONG	SA-106-B
14	1	LIFTING LUG	3/4" PLATE - SEE DETAIL	44W
15	1	PURGE RED.	1/8" PLATE - Rate: 14 Scf/H	316 SS
IGNITION SYSTEM				
20	1	SHROUD	8" SCH. 10 PIPE X 12" LONG	316 SS
21	1	IGNITOR ASS.	SEE GENERAL NOTES	
22	1	TRACK	1 5/8" UNISTRUT X 32'± LONG	GALV. STEEL
23	8	BRACKET	1" SCH. 80 PIPE X CUT LENGTH TO SUIT	SA-106-B
24	1	WINCH	HEAVY DUTY WINCH WITH STOP	
25	1	CABLE	5/32" AIRCRAFT CABLE X 80'± LONG	SS
26	1	ELEC. WIRE	14/3 TYPE SOW CABTIRE X 40'± LONG	
27	1	PILOT LINE	CSA 1/4" 350 PSI HOSE X 40'± LONG	
28	1	REGULATOR	1/4" NPT BELLOFRAM, MODEL 962-365-000	

**GENERAL NOTES**

A ACL 3000 PI - S RETRACTABLE CONTINUOUS PILOT IGNITION SYSTEM WITH AUTO RE-LIGHT, SOLAR POWERED AND BATTERY BACKUP

B SANDBLAST TO SSPC-SP6

C PRIME THEN PAINT WITH TWO COATS INDUSTRIAL ENAMEL. COLOR: WARM GREY

D 100% X-RAY OF WELDS

E APPROXIMATE WEIGHT: 2000 LBS.

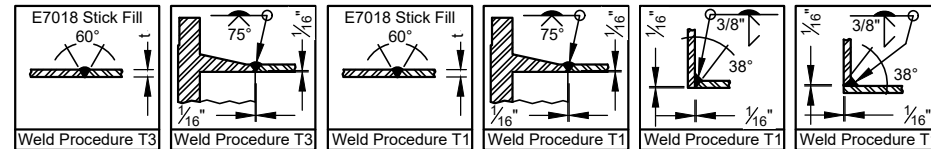
REVISIONS			
No	Date	Description	By
1	2013-10-10	Raise inlet 6", X-ray specs.	LTS
2	2013-10-17	Change bolt spec	LTS
3	2013-10-28	Add T3 weld procedures	LTS

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Encana Corporation  
**4" X 40' SELF-SUPPORTING FLARE STACK**  
 Location: Red Rock 12-12-63-08-W6

Drawn by	Date	Scale	Sheet #	Drawing #	Serial #
JS	2013-09-20	As Noted	1 of 1	---	<b>SWT-1402</b>



Note: This layout is general in nature please refer to the top view (orientation view) for actual orientation of components