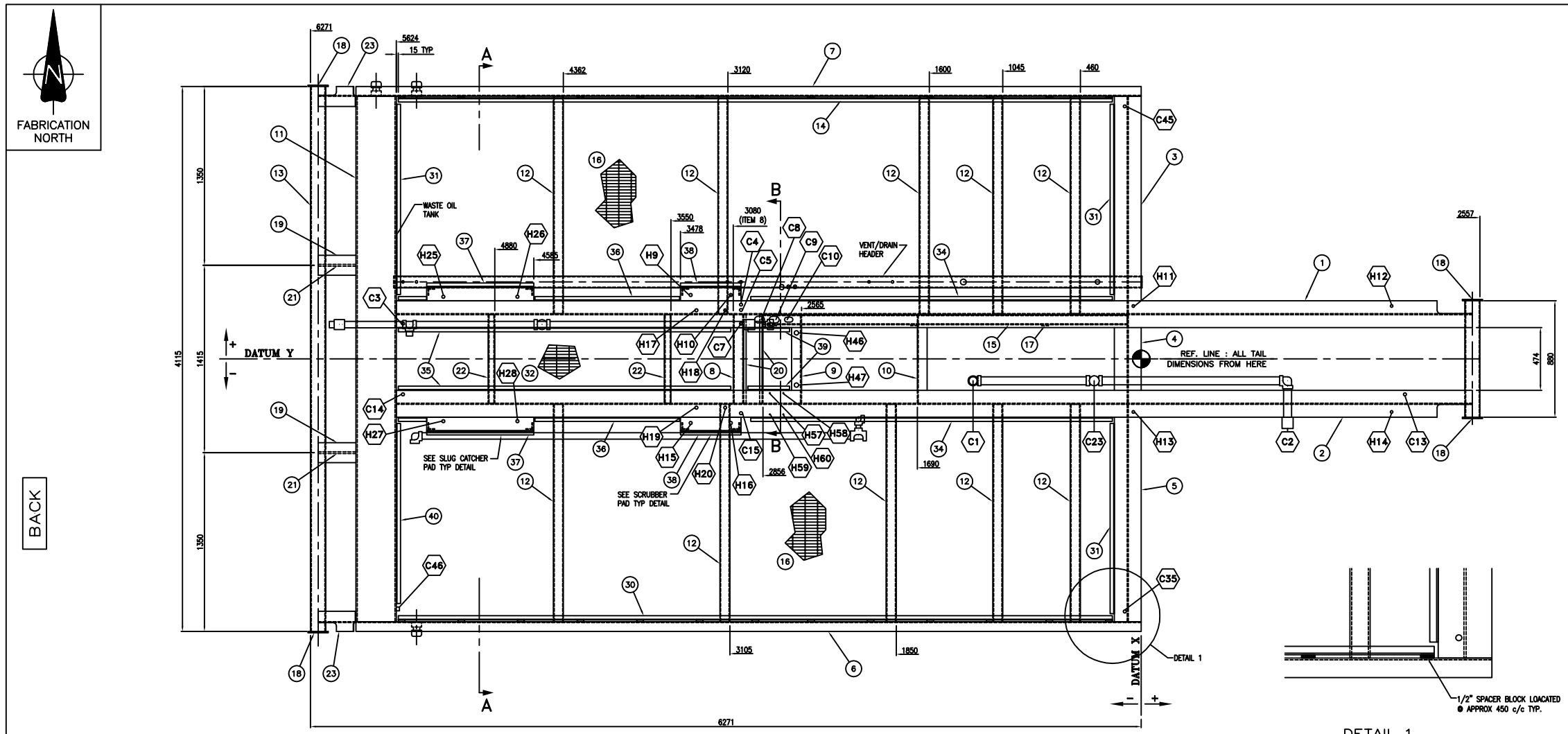
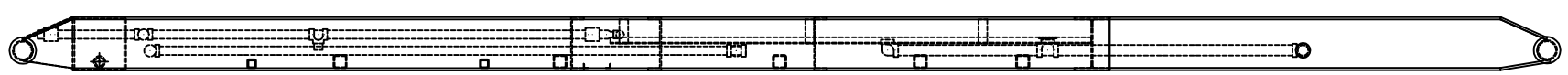
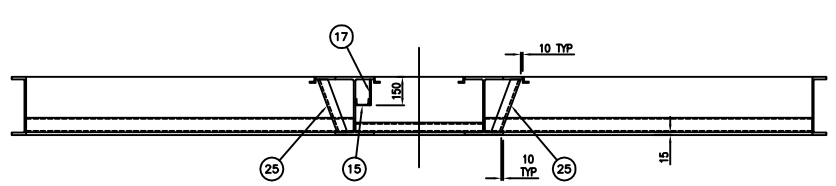


PLAN VIEW

DETAIL 1



ELEVATION VIEW



SECTION A–A

BILL OF MATERIAL

COPE DETAILS & POSITIONS N	S	W	E		NO.	QTY.	DESCRIPTION	LENGTH or L x W(mm)	TOTAL (FT)	WEIGHT (LB)	CODE NO.
–	–	–	–	*	1	1	BEAM, WF, 12" @ 40#/FT, CSA G40.21–44W	8144	26.8	1069	107378
–	–	–	–	*	2	1	BEAM, WF, 12" @ 40#/FT, CSA G40.21–44W	8144	26.8	1069	"
–	–	–	–	*	3	1	BEAM, WF, 12" @ 40#/FT, CSA G40.21–44W	1641	5.4	216	"
–	–	–	–	*	4	1	BEAM, WF, 12" @ 40#/FT, CSA G40.21–44W	669	2.2	88	"
–	–	–	–	*	5	1	BEAM, WF, 12" @ 40#/FT, CSA G40.21–44W	1641	5.4	216	"
–	–	–	–	*	6	1	CHANNEL, 12" @ 20.7#/FT, CSA G40.21–44W	6214	20.4	422	107384
–	–	–	–	*	7	1	CHANNEL, 12" @ 20.7#/FT, CSA G40.21–44W	6214	20.4	422	"
–	–	–	–	*	8	1	CHANNEL, 12" @ 20.7#/FT, CSA G40.21–44W	669	2.2	46	"
–	–	–	–	*	9	1	CHANNEL, 12" @ 20.7#/FT, CSA G40.21–44W	669	2.2	46	"
–	–	–	–	*	10	1	CHANNEL, 12" @ 20.7#/FT, CSA G40.21–44W	669	2.2	46	"
–	–	–	–	*	11	1	HSS, 12" X 12" X .375", CSA G40.21–50W	3967	13.1	757	107415
–	–	–	–		12	10	HSS, 3" X 3" X .250", CSA G40.21–50W	1641	5.4	475	107420
–	–	–	–		13	1	PIPE, 4" NOM SCH STD (.237) SMLS SA333 GR6	4115	13.5	146	101059
					14	1	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	5391	17.7	34	107280
					15	1	CHANNEL, 3" @ 4.1#/FT, CSA G40.21–44W	2750	9.1	37	107387
					16	2	BAR, GRATING, 1" X 3/16", #19–4, BLACK	1530x5400	89 sq.ft	650	107343
					17	3	BAR, FLAT, 1/4" X 2", A36	137	1.4	3	107312
					18	4	PLATE, 3/8" NOM, A36	ø152	1.1 sq.ft.	12	107452
					19	2	PLATE, 1/2" NOM, A36	152x305	1.0 sq.ft.	21	107447
					20	2	ANGLE, 1" X 1" X 1/4", CSA G40.21–44W	669	2.2	14	107275
					*21	2	PLATE, 1/2" NOM, A36	152x305	1.0 sq.ft.	21	107447
					22	2	HSS, 2" X 2" X .250", CSA G40.21–50W	669	4.5	24	107418
					*23	2	BAR, FLAT, 3/8" X 6", A36	300	1.6	13	107341
					24	2	BAR, FLAT, 1/2" X 4", A36	810	5.4	37	107307
					25	4	ANGLE, IRON, 2" X 2" X 1/4", CSA G40.21–44W	314	4.2	14	107281
					26	1	COUPLING, HALF, SCRD, 1–1/2" 3000# SA105N				105278
					27	1	NIPPLE, TBE, 1–1/2" X 4" LG SCH 160 SA106B				105565
					28	1	CAP, SCRD, 1–1/2" 3000# SA105N				105215
					29	1	NIPPLE, TBE, 1–1/4" X 2" LG SCH STD, SA106B				113489
					30	1	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	5391	17.6	34	107280
					31	3	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	1436	15	29	"
					32	1	BAR, GRATING, 1" X 3/16", #19–4, BLACK	462x2530	12.6 sq.ft.	92	107343
					33	2	BAR, FLAT, 1/2" X 4", A36	456	3.0	21	107307
					34	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	2730	18.0	35	107280
					35	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	2511	16.5	32	"
					36	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	1092	7.2	14	"
					37	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	810	5.4	11	"
					38	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	456	3.0	6	"
					39	2	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	314	2.1	4	"
					40	1	ANGLE, 1–1/4"x1–1/4"x1/4", CSA G40.21–44W	1360	5	9	"
								TOTAL APPROXIMATE WEIGHT		6166 lbs 2803 kg.	

1 / 2 / 3*

1. ALL HOLES LOCATED FROM DATUM.
2. ELEVATION OF HOLE.
3. DIA. OF HOLE.

© 2004 Enerflex Systems Ltd.
REPRODUCTION OF ANY PORTION OF THESE MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERFLEX SYSTEMS LTD. IS STRICTLY PROHIBITED. THESE MATERIALS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE REPAIR AND MAINTENANCE OF THE PRODUCTS TO WHICH THEY RELATE.

GENERAL NOTES

1. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS STAMPED "RELEASED FOR MANUFACTURE".
2. DO NOT SCALE THIS DRAWING!
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. ALL STEEL DIMENSIONS ARE FIT TO FIT.
5. ALL IN–SKID PIPING TO BE LEAK TESTED BY FAB SHOP, BY SOAP BUBBLE TEST
6. SKID CONSTRUCTION TO MAINTAIN FLUSH ON TOP PRODUCT. FOR SLIGHTLY WARPED OR BENT MAIN BEAM FLANGES, THE INSIDE FLANGE SHOULD BE KEPT FLAT IN THE COMPRESSOR AREA AND OUTSIDE MAIN BEAM FLANGES SHOULD BE KEPT FLAT IN ENGINE AREA.
7. FOR DETAILS SEE DRAWINGS 2 & 3.
8. ITEMS MARKED WITH AN "*" HAVE BEEN DETAILED.
9. ALL MEMBERS ARE TO BE COPED TO SUIT SAME UNLESS OTHERWISE INDICATED.

CONNECTION SCHEDULE

MARK	SIZE	RATING	TYPE	SERVICE	REF DWG#
C1	2"	2000#	ELBOW THRD	START EXHAUST, INLET	1 & 3
C2	2"	3000#	CPLG THRD	START EXHAUST, OUTLET	1 & 3
C3	1/4"	3000#	CPLG THRD	INSTR GAS, REAR OF SKID	1
C4	1/4"	3000#	CPLG THRD	PRESSURE TAP, LHS	1
C5	1/4"	3000#	CPLG THRD	START GAS PRESS, PANEL	1
C6	3/8"	3000#	CPLG THRD	VENT PANEL	3
C7	1/4"	3000#	CPLG THRD	INSTR GAS, PANEL	1 & 3
C8	1"	3000#	CPLG THRD	HARNESS	1
C9	1"	3000#	CPLG THRD	HARNESS	3
C10	3/4"	3000#	CPLG THRD	HARNESS	1 & 3
C12	1 1/4"	sch STD	NIPPLE THRD	WIRE ACCESS, COOLER	1 & 2
C13	1/4"	3000#	CPLG THRD	INSTR GAS, COOLER	1 & 3
C14	1/4"	3000#	CPLG THRD	HEATER GAS, REAR	1 & 3
C15	1/4"	3000#	CPLG THRD	PRESSURE TAP, RHS	1 & 3
C16	7/16"	–	–	START GAS PRESS, ENGINE	3
C17	1 1/2"	2000#	TEE THRD	SCRUBBER DRAIN, LPD	1 & 3
C18	1"	2000#	TEE THRD	SCRUBBER DRAIN, LHS	1 & 3
C19	1"	2000#	TEE THRD	SCRUBBER DRAIN, RHS	1 & 3
C20	1 1/2"	3000#	TEE THRD/SW	START GAS, OUTLET	1 & 3
C21	1 1/2"	3000#	ELBOW THRD/SW	START/FUEL HEADER, INLET	1 & 3
C22	1"	sch 160	SWG NIPPLE THRD/SW	FUEL GAS, OUTLET	1 & 3
C23	2"	2000#	TEE THRD	PRE–LUBE PUMP VENT	1 & 3
C24	1 1/2"	3000#	HALF CPLG THRD	WASTE OIL TANK DRAIN	1

CONNECTION SCHEDULE

MARK	SIZE	RATING	TYPE	SERVICE	REF DWG#
C26	3"	NPT	WELD–IN TANK FLG	WASTE OIL TANK, PUMP OUT	1 & 3
C27	1 1/2"	NPT	WELD–IN TANK FLG	WASTE OIL TANK, VENT	1 & 3
C28	1/2"	3000#	CPLG THRD	ENGINE OIL FILTER DRAIN	1 & 3
C29	1/2"	3000#	HALF CPLG THRD	COMPR OIL DRAIN	3
C30	1/4"	3000#	CPLG THRD	PACKING VENT	3
C31	1/4"	3000#	CPLG THRD	PACKING VENT	3
C32	1/4"	3000#	CPLG THRD	PACKING VENT	3
C33	1/4"	3000#	CPLG THRD	PACKING VENT	3
C34	1"	3000#	CPLG THRD	ENGINE OIL DRAIN	3
C35	1/4"	3000#	CPLG THRD	HEATER GAS, SOUTH SIDE	1 & 3
C36	1 1/2"	2000#	TEE THRD	SCRUBBER DRAIN, FUEL FILTER	1 & 3
C37	1 1/2"	3000#	CPLG THRD	SCRUBBER DRAIN, OUTLET	1 & 3
C38	1/4"	3000#	CPLG THRD	VENT/DRAIN HEADER, VENT	3
C39	1 1/2"	3000#	HALF CPLG THRD	WASTE OIL TANK DRAIN	1
C40	1 1/2"	3000#	HALF CPLG THRD	WASTE OIL TANK DRAIN	1
C43	1/4"	3000#	CPLG THRD	VENT REAR	3
C44	3/8"	3000#	HALF CPLG THRD	VENT PANEL	3
C45	1/4"	3000#	CPLG THRD	HEATER GAS, LHS	3
C46	1/2"	3000#	HALF CPLG THRD	INNSTRUMENT VENT	3

HOLE SCHEDULE

MARK	DIAMETER	SERVICE	REF DWG#
H35	90	VENT/DRAIN HEADER SUPPORT	2
H36	70	START EXHAUST CROSSOVER	2
H38	60	FUEL GAS CROSSOVER	2
H39	23x23	FIRE LOOP ACCESS	1
H41	25	HEATER GAS CROSSOVER	2
H42	75	SCRUBBER DRAIN CROSSOVER	2
H43	165	AUTO BYPASS CROSSOVER	2
H44	25	HEATER GAS CROSSOVER	2
H45	75	SCRUBBER DRAIN CROSSOVER	2
H46	33	WIRE HARNESS ACCESS	1 & 2
H47	33	WIRE HARNESS ACCESS	1 & 2
H49	40	DISCHARGE T/C CROSSOVER	1 & 2
H50	90	SCRUBBER DRAIN OUTLET PORT	1 & 2
H55	70	START EXHAUST, THRU PORT	2
H56	45	START GAS PRESS, CROSSOVER	2
H57	76x76	VENT HEADER TANK	3
H62	50	DRAIN CROSSOVER	2
H63	50	FUEL FILTER DRAIN CROSSOVER	2
H64	50	FUEL FILTER DRAIN CROSSOVER	3
H65	60	START GAS CROSSOVER	3

HOLE DETAILS ON TOP OF WF

COMPRESSOR PRELUBE PUMP BOLT HOLES

MARK	X DATUM	Y DATUM	DIAMETER
H57	–2804	–258	7
H58	–2702	–258	7
H59	–2804	–418	7
H60	–2702	–418	7

CONNECTION SLOTS

MARK	X DATUM	Y DATUM	DIAMETER
C8	–2894	+297	50
	–2869	+297	50
C9	–2784	+297	50
	–2759	+297	50
C10	–2674	+297	38
	–2649	+297	38

COOLER BOLT HOLES

MARK	X DATUM	Y DATUM	DIAMETER
H11	–60	+400	20
H12	+1890	+400	20
H13	–60	–400	20
H14	+1890	–400	20

16" SCRUBBER BOLT HOLES

MARK	X DATUM	Y DATUM	DIAMETER
H9	–3402	+483	23
H10	–3098	+483	23
H15	–3402	–483	23
H16	–3098	–483	23

12" SCRUBBER BOLT HOLES

MARK	X DATUM	Y DATUM	DIAMETER
H17	–3358	+368	23
H18	–3141	+368	23
H19	–3358	–368	23
H20	–3141	–368	23

SLUGCATCHER BOLT HOLES

MARK	X DATUM	Y DATUM	DIAMETER
H25	–5269	+470	23
H26	–4710	+470	23
H27	–5269	–470	23
H28	–4710	–470	23

TOP OF SKID CONNECTION HOLES

MARK	X DATUM	Y DATUM	DIAMETER
C3	–5574	+267	23
C4	–3022	+410	23
C5	–3022	+370	23
C7	–3022	+267	23
C13	+1990	–267	23
C14	–5574	–267	23
C15	–3022	–410	23
C35	–125	–1907	23
C45	–125	+1907	23
C46	–5624	–1887	33
H46	–2603	+197	33
H47	–2603	–197	33

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
E	DRIP PAN SHEET REVISED (NO SLOPE)	05/06/07	ARJ	
D	CUT OFF IN SKID REMOVED / ADDED 6 1" NUTS	04/10/07	AKM	
C	CHANGED POSITIONS OF WASTE OIL TANK, PUMP OUT / VENT	04/09/20	AS	
B	GENERAL REVISIONS	04/07/15	SB	
A	FOR MANUFACTURE	04/01/21	DAW	CT

BTB Compressors ENERFLEX
4700 47 ST. SE CALGARY AB, CANADA T2B 3R1
TEL. 1 (403) 236–6800 FAX 1 (403) 279–0367
www.enerflex.com

TITLE:

12" BEAM ONE–PIECE SKID (COOLER ON SKID)

B200/B250/B270 – COMPRESSOR PACKAGE

FOR: CUSTOMER

CONSULTANT:
P.O.:

LSD:
JOB No.:

DRWN BY: DAW	DESIGN BY: DAW	DATE: 04/01/21	DWG. No. 109455E
DATE: 04/01/21	CHKD BY:	DATE:	OPER'N: 30
SCALE: 1:20	APPVD BY:	DATE:	