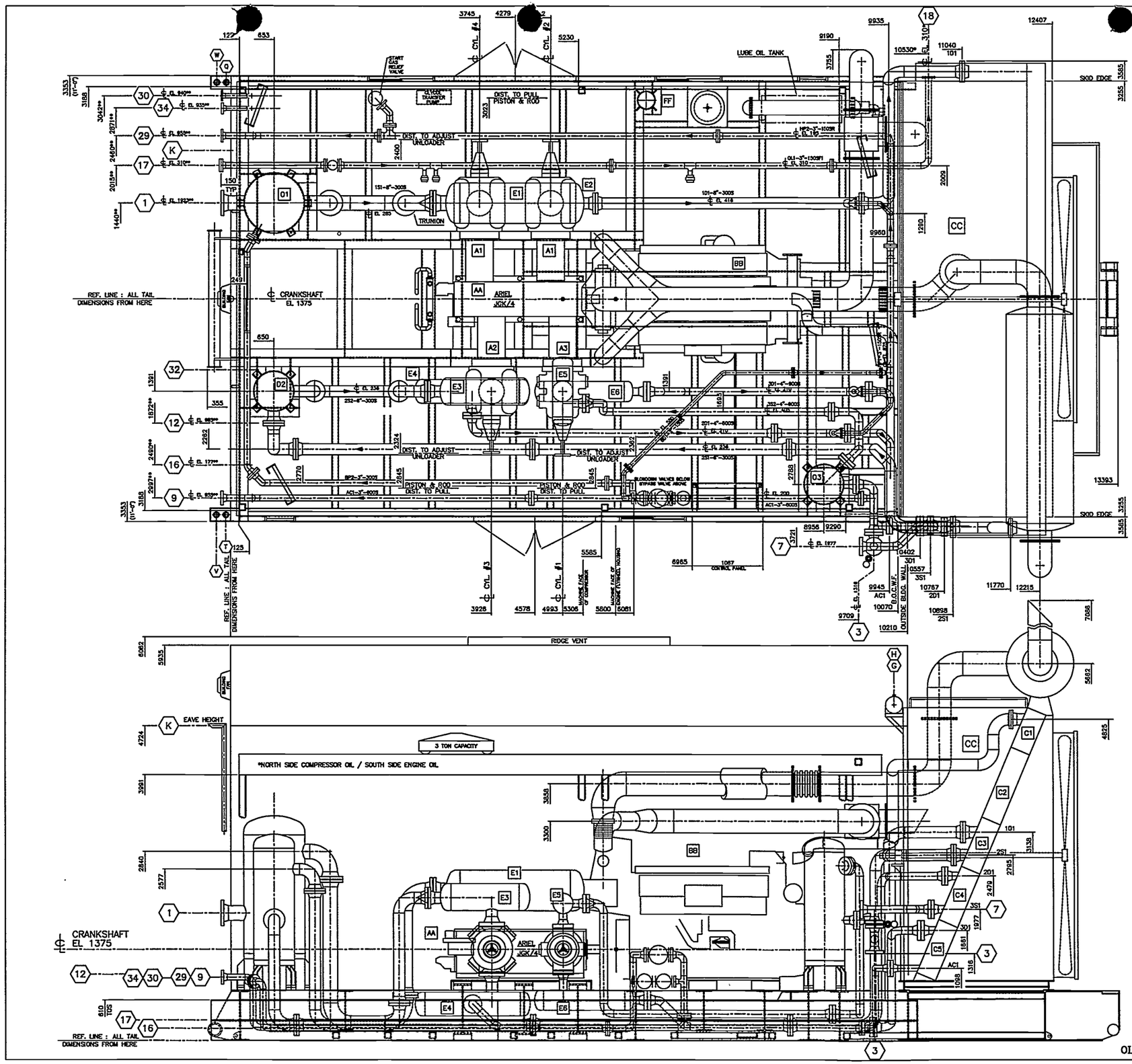

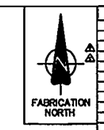

CUSTOMER CONNECTIONS

NO.	DESCRIPTION	SIZE
1	STAGE 1 INLET	4"-300# RF
3	STAGE 3 INLET	4"-600# RF
7	STAGE 2 DISCHARGE	4"-600# RF
9	FINAL DISCHARGE	3"-600# RF
12	FUEL GAS SUPPLY	1" NPT
16	SCRUBBER DRAIN HEADER	1" NPT
17	WASTE OIL INLET	3"-150# RF
18	WASTE OIL OUTLET	3"-150# RF
29	PRESSURE RELIEF HEADER	3"-150# RF
30	FUEL GAS SUPPLY	2"-150# RF
34	START GAS SUPPLY	2"-600# RF

OTHER CONNECTIONS

CONN.	DESCRIPTION	SIZE
F	ENGINE/COMPRESSOR OIL DRAIN	2"-150# RF
G	JACKET WATER SURGE FILL	2"-7# PRESS.CAP
H	AUXILIARY WATER SURGE FILL	2"-7# PRESS.CAP
K	START GAS VENT	3" TUBE
Q	GLYCOL TANK VENT (NORTH SIDE)	2" NPT
T	GLYCOL TANK VENT (SOUTH SIDE)	2" NPT
V	GLYCOL TANK PUMPOUT (SOUTH SIDE)	2" NPT
W	GLYCOL TANK PUMPOUT (NORTH SIDE)	2" NPT

MAJOR COMPONENTS

AA COMPRESSOR
(1) ARIEL JGK/4 S/N: F-12833
A1 (2) 13-5/8" Dia. K CLASS CYL. MAWP 635 PSIG S/N: C-36415, C-36467 VWCP S/N: U-18331, U-30558
A2 (1) 9-1/8" Dia. K CLASS CYL. MAWP 1350 PSIG S/N: C-36468, VWCP: U-18332
A3 (1) 6-1/8" Dia. K CLASS CYL. MAWP 3088 PSIG S/N: C-36467, VWCP: U-18333

BB ENGINE
(1) WAUKESHA L5790GL S/N: C-124486/6

CC COOLER
(1) AIR-X-CHANGERS, 144EH-106-22 S/N: 972231
C1 (1) ENGINE JACKET WATER SECTION – DESIGN PRESSURE 14 PSIG @ 203/-20 °F S/N: 972211.1
C2 (1) AUXILIARY WATER SECTION – DESIGN PRESSURE 14 PSIG @ 203/-20 °F S/N: 972211.2
C3 (1) INTERSTAGE COOLER SECTION #1 – DESIGN PRESSURE 638 PSIG @ 203/-20 °F S/N: 972211.3
C4 (1) INTERSTAGE COOLER SECTION #2 – DESIGN PRESSURE 1313 PSIG @ 203/-20 °F S/N: 972211.4
C5 (1) AFTERCOOLER SECTION – DESIGN PRESSURE 1465 PSIG @ 203/-20 °F S/N: 972211.5

D1 SCRUBBERS
D1 36" Dia. x 70" S/S – MAWP: 635 PSIG @ 300°F S/N: 98008-01
D2 24" Dia. x 66" S/S – MAWP: 635 PSIG @ 300°F S/N: 98008-02
D3 24" Dia. x 64" S/S – MAWP: 1315 PSIG @ 300°F S/N: 98008-03

E1 FILTER
E1 24" Dia. x 65" S/S – MAWP: 635 PSIG @ 300°F S/N: 98008-04
E2 24" Dia. x 65" S/S – MAWP: 635 PSIG @ 300°F S/N: 98008-05
E3 18" Dia. x 40" S/S – MAWP: 635 PSIG @ 300°F S/N: 98008-06
E4 14" Dia. x 56" S/S – MAWP: 1315 PSIG @ 300°F S/N: 98008-07
E5 12-3/4" Dia. x 30" S/S – MAWP: 1315 PSIG @ 300°F S/N: 98008-08
E6 12-3/4" Dia. x 48" S/S – MAWP: 1440 PSIG @ 300°F S/N: 98008-09

FF FUEL FILTER
(1) EIR., STD @ 5/8", MAWP: 285 PSIG @ 100°F, REF DWG: WCS-4002 REV 10

GG CONTROL PANEL
(1) SPARTAN, MICROGUARD S/N: H-3857

GENERAL NOTES

1. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS STAMPED "ISSUED FOR CONSTRUCTION".
2. DO NOT SCALE THIS DRAWING.
3. ALL DIMENSIONS ARE IN MILLIMETERS.
4. FOR DESIGN PARAMETERS AND PAINT SPECIFICATION REFER TO PROJECT SCOPE SUMMARY DRAWING NO. 5852200.
5. ALL PIPING MUST BE SELF SUPPORTING BEYOND UNIT CONNECTIONS.
6. LOCATIONS OF CUSTOMER CONNECTIONS ARE NOT GUARANTEED AS THESE DIMENSIONS MAY BE SUBJECT TO AN ACCUMULATION OF TOLERANCES ON SEVERAL COMPONENTS. MINOR CHANGES MAY ALSO BE MADE ON SCHEDED SERVICE PIPING IN ORDER TO FACILITATE INSTALLATION AND MAINTENANCE. ON COMPLETION A FINAL DRAWING WILL BE ISSUED WITH FIELD CONNECTIONS CORRECTED TO 5 mm.
7. IT IS ER'S RECOMMENDATION THAT ANY PRE-SPOOLING TO THIS COMPRESSOR PACKAGE CONTAIN FIELD WELDS AT ALL CUSTOMER CONNECTIONS.
8. THE FOLLOWING ITEMS WILL BE SHIPPED LOOSE FOR FIELD INSTALLATION BY OTHERS: MUFFLER, EXHAUST PIPING, PIPING SPOOLS, SURGE TANK, COOLER.
9. UNIT WEIGHTS ARE APPROXIMATE AND MAY BE SUBJECT TO CHANGE UPON COMPLETION OF FABRICATION. FOUNDATION DESIGN IN GENERAL, PILE DESIGN, PILE LOCATION AND QUANTITY OF PILES ARE THE RESPONSIBILITY OF THE CUSTOMER.
10. ** WILL INDICATE AS-BUILT.
11. PIPING FLANGES ASSEMBLY TO COMPLY WITH ASME B31.3, SECTION 335.1.1. MATING PIPE FLANGE FACES TO BE ALIGNED TO WITHIN 1mm IN 300mm MEASURED ACROSS THE DIAMETER. FLANGE BOLT HOLES TO BE ALIGNED WITHIN 3mm MAXIMUM OFFSET.

COMPRESSOR UNBALANCED FORCES @ 1200 RPM	PRIMARY	SECONDARY
HORIZONTAL FORCE, kNP	0.318	0.080
VERTICAL FORCE, kNP	0.08	0.00
HORIZONTAL COUPLE, kNP-FT	17.40	0.138
VERTICAL COUPLE, kNP-FT	17.01	0.00

"North Leading Grip: Cross Web Outside Grip Leading"

CAD
MAKE NO REVISIONS TO THIS REPRODUCIBLE

CUSTOMER MATERIAL CONFIRMATION

CONFIRMATION OF CUSTOMER OWNED PIPING MATERIALS WILL REMAIN THE SOLE RESPONSIBILITY OF THE UNIT'S PRESENT OWNER. PLEASE NOTE THAT REGISTRATION OF THE COMPLETED PROCESS SYSTEM WILL ALSO REMAIN THE RESPONSIBILITY OF THE OWNER.

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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.

SHIPPING WEIGHTS	KG.	LBS.
ENGINE	9526	21000
COMPRESSOR (C/W CYLINDERS)	7879	16930
COOLER	12810	27800
VESSELS	6523	14600
SKID	42500	93825
MISC. & LIQUIDS	5525	12190
BUILDING	3175	7000
CRANE	2412	5317
EXISTING SKID	-	-
	-	-
	-	-
TOTAL SHIPPING WT.	90050	198523
SHIPPED LOOSE ITEMS	N/A	N/A
TOTAL UNIT WEIGHT	90050	198523

UNIT DIMENSIONS	LENGTH		WIDTH		HEIGHT	
	mm	ft/in	mm	ft/in	mm	ft/in
MAIN SKID w/ ALL EQUIP. MOUNTED	13758	45'-2"	8351	27'-5"	7066	23'-2"
SHIPPING DIMENSIONS	13758	45'-2"	7419	23'-6 3/8"	4062	13'-11"
COOLER (ON SKID)						

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPD. BY

ENERFLEX
5946-24 Avenue NE Calgary AB Canada T2E 8H2 Canada tel. +1.403.735.1600 Fax +1.403.735.1699
www.enerflex.com

TITLE: GENERAL ARRANGEMENT
ARIEL JGK/4, WAUKESHA 5790GL, AIR-X-CHANGERS 144EH-106-22
COMPRESSOR PACKAGE

FOR: HUSKY ENERGY INC
(ASSUMPTION GAS PLANT)

CONSULTANT: NEAL GARTNER
P.O.: LED: 16-08-18-05 W4M
JOB No.: RSD2500

DATE	97/03/20	DRAWN BY:	RCG	DATE: 97/03/20	DWG. NO.	FILENO. #:
DWN BY:	RCG	CHECKED BY:	GW	DATE: 97/03/20	GA98008	10
SCALE:	1:25	APPV'D BY:		DATE		