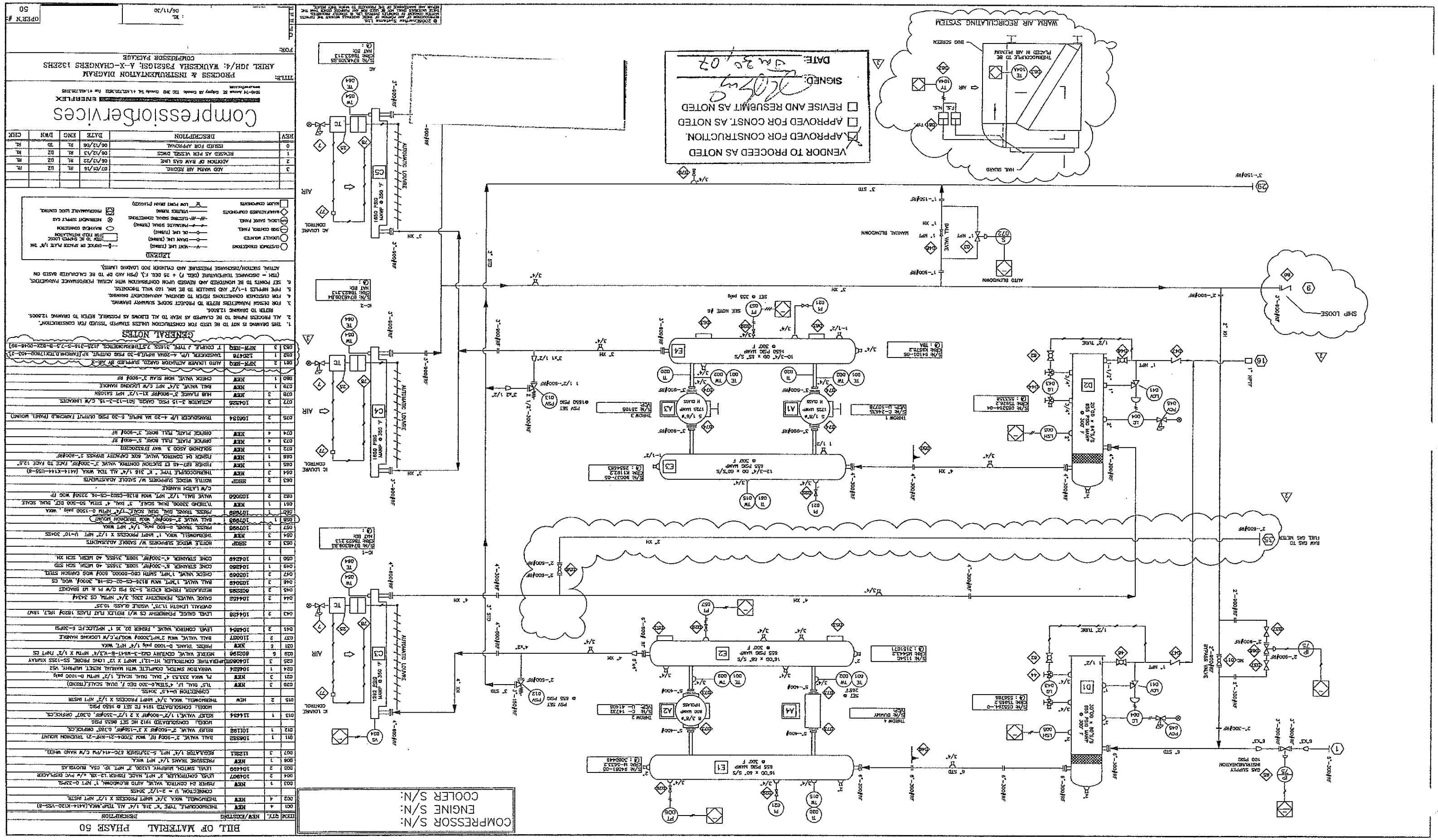

VENDOR TO PROCEED AS NOTED
APPROVED FOR CONSTRUCTION.
APPROVED FOR CONST. AS NOTED
REVISE AND RESUBMIT AS NOTED
SIGNED:
DATE: Jan 30, 07
WARM AIR RECIRCULATING SYSTEM
HAIL GUARD
BUG SCREEN
THERMOCOUPLE TO BE PLACED IN AIR PLENUM
AIR
AUTOMATIC LOUVRE
AC LOUVRE CONTROL
AIR
AUTOMATIC LOUVRE
AC LOUVRE CONTROL
AIR
AUTOMATIC LOUVRE
AC LOUVRE CONTROL
SHIP LOOSE
AUTO BLOWDOWN
MANUAL BLOWDOWN
BALL VALVE
RAW GAS TO FUEL GAS HEATER
GAS SUPPLY REGULATION 100 PSIG
SET @ 335 psig
SEE NOTE #6
PSV SET @1650 PSIG
PSV SET @ 655 PSIG
SET @ 350 psig
SET @ 350 psig
SET @ 350 psig

DATE: DEC 28/06 LS

PROJECT #:

VENDOR TO PROCEED AS NOTED

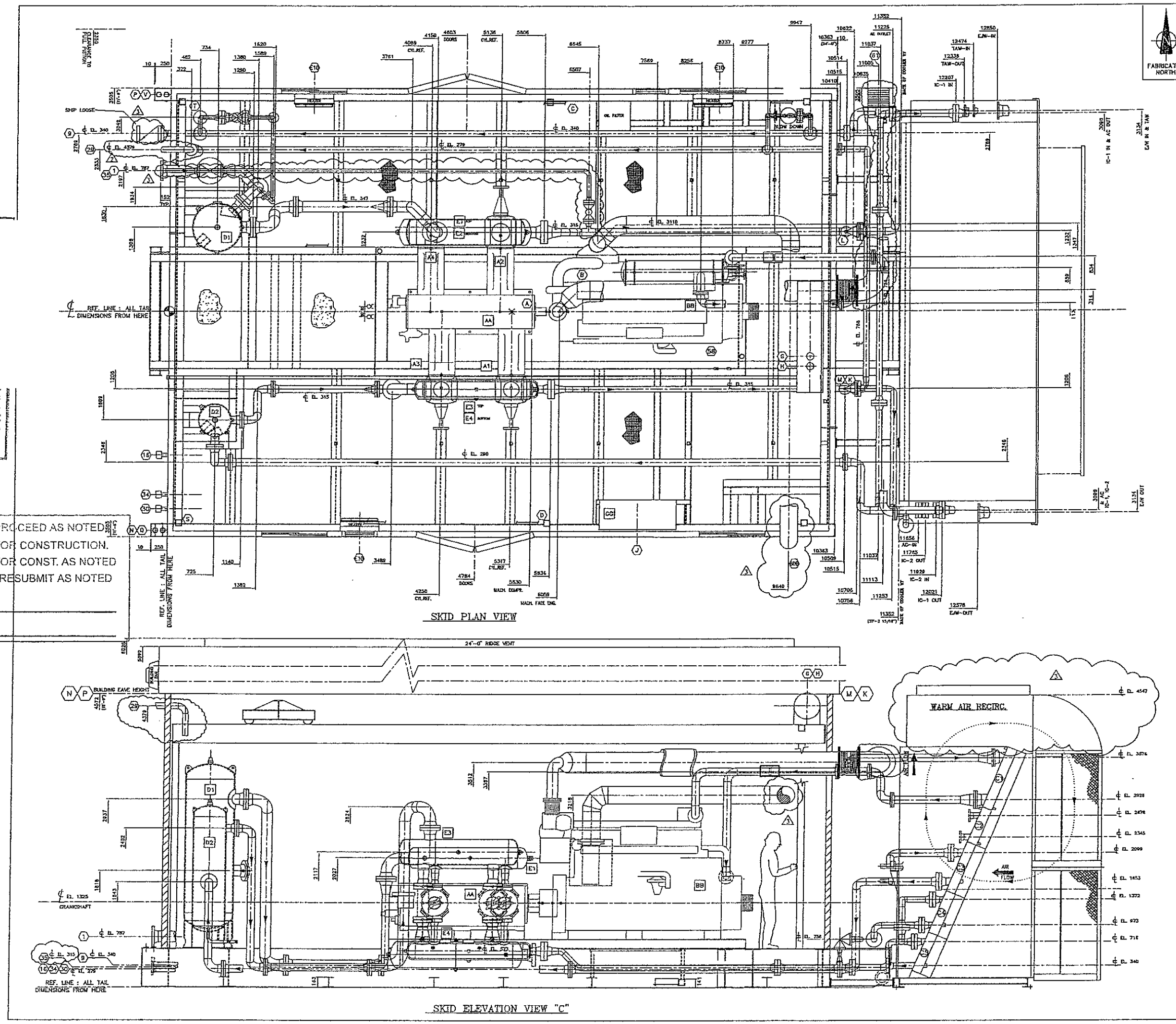
☐ APPROVED FOR CONSTRUCTION.

☐ APPROVED FOR CONST. AS NOTED

☐ REVISE AND RESUBMIT AS NOTED

SIGNED: _____

DATE: _____



CUSTOMER CONNECTIONS

NO.	DESCRIPTION	SIZE
1	STAGE 1 INLET	8"-300# RF
9	FINAL DISCHARGE	3"-900# RF
16	SCRUBBER DRAIN HEADER	1" NPT
29	PRESSURE RELIEF HEADER	3"-150# RF
30	FUEL GAS SUPPLY	1 1/2" NPT
34	START GAS SUPPLY	2" NPT
45	RAW GAS TO FUEL GAS METER	2" -600# RF
58	UNIT GLYCOL DRAIN (LOCAL)	3/4" NPT
80A/B	ENGINE AIR INTAKE	10" TUBE
81	ENGINE EXHAUST	12" TUBE

OTHER CONNECTIONS

CONN.	DESCRIPTION	SIZE
A	COMPRESSOR OIL FILL (LOCAL)	2" NPT
B	ENGINE OIL TANK FILL (LOCAL)	2" NPT
C	COMPRESSOR OIL TANK FILL	1" NPT
D	ENGINE OIL TANK FILL	1" NPT
E10	HEATER CONNECTION	
G	JACKET WATER SURGE FILL	2"-7# PRESS.CAP
H	AUXILIARY WATER SURGE FILL	2"-7# PRESS.CAP
J	CONTROL PANEL VENT	1" NPT
K	START GAS VENT	3" NPT
L	COMPRESSOR CRANK CASE VENT	2" TUBE
M	CONTROL VENT HEADER	1" STACK
N	PACKING / DISTANCE PIECE TANK VENT	2" NPT
P	WASTE OIL TANK VENT	2" STACK
Q	PACKING VENT AND TANK	2" STACK
R	ENGINE OIL TANK VENT	1/2" NPT
T	COMPRESSOR OIL TANK VENT	3/4" NPT
U	PACKING / DISTANCE PIECE TANK PUMPOUT	2" NPT
V	WASTE OIL TANK PUMPOUT	2" NPT

MAJOR COMPONENTS

AA ENGINEERING
(1) ARIEL, JGH/4 S/N: F-23633
A1/A3 (2) 5-1/8" Dia. H CLASS CYL. MAWP 1725 PSIG. S/N: C-24435/25185
A2 (1) 8-3/8" Dia. HP CLASS CYL. MAWP 800 PSIG. S/N: C-14732
A4 (1) DUMMY

BB ENGINE
(1) WAUKESHA, F3521GSI S/N: 337251

CC COOLER
(1) AIR-X-CHANGERS 132DH S/N: 74536A
C1 (1) ENGINE JACKET WATER SECTION - DESIGN PRESSURE 14 PSIG @ 300/-20 °F. S/N:87-46369B.B1
C2 (1) AUXILIARY WATER SECTION - DESIGN PRESSURE 14 PSIG @ 330/-20 °F S/N:87-46369B.B2
C3 (1) INTERSTAGE COOLER SECTION #3 - DESIGN PRESSURE 1285 PSIG @ 350/-20 °F S/N:87-46300B.B3
CPM: TM623.253
C4 (1) INTERSTAGE COOLER SECTION #2 - DESIGN PRESSURE 1650 PSIG @ 350/-20 °F S/N:87-46300B.B4
CPM: TM623.253
C5 (1) AFTERCOOLER SECTION - DESIGN PRESSURE 1650 PSIG @ 350/-20 °F S/N:87-46300B.B5
CPM: TM623.253

DD SCRUBBERS
D1 30" Dia. x 72" S/E - MAWP: 855 PSIG @ 300°F S/N:065264-01
D2 30" Dia. x 84" S/E - MAWP: 655 PSIG @ 300°F S/N:065264-04

EE BOTTLES
E1 18" Dia. x 60" S/E - MAWP: 645 PSIG @ 300°F S/N:84089-05
E2 16" Dia. x 68" S/E - MAWP: 655 PSIG @ 330°F S/N:11542
E3 12" Dia. x 82" S/E - MAWP: 655 PSIG @ 300°F S/N:00033-06
E4 10" Dia. x 82" S/E - MAWP: 1650 PSIG @ 300°F S/N:84121-06

GG STARTING PANEL
(1) XC5000

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. 35005264
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 SCREWED 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 OUR RECOMMENDATION THAT ANY PRE-SPOOLING TO THE 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 MOUNTS 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 200mm MEASURED ACROSS THE DIAMETER. FLANGE BOLT HOLES TO BE ALIGNED WITHIN 2mm MAXIMUM OFFSET.

COMPRESSOR UNBALANCED FORCES @ 1200 RPM

	PRIMARY	SECOND-DARY
HORIZONTAL FORCE, LBS	320	73
VERTICAL FORCE, LBS	0	0
HORIZONTAL COUPLE, LBS-FT	4144	37
VERTICAL COUPLE, LBS-FT	14438	0

Thumbs Landing Only
Down Shaft Includes Side Loading

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	6800	15000
COMPRESSOR (C/W CYLINDERS)	6455	14229
COOLER	5443	12000
VESSELS	2353	11800
SKID	12180	26883
MISC. & LIQUIDS	26817	59118
BUILDING	3547	7820
CRANE	2472	5450
-	-	-
-	-	-
TOTAL SHIPPING WT.	72317	159270
SHIPPED LOOSE ITEMS	726	1600
TOTAL UNIT WEIGHT	73243	161479

UNIT DIMENSIONS	LENGTH		WIDTH		HEIGHT	
	mm	ft/in	mm	ft/in	mm	ft/in
MAIN SKID w/ ALL EQUIP. MOUNTED	12609	41'-4"	7312	23'-9"	4686	15'-4"
SHIPPING DIMENSIONS	14214	46'-7"	7312	24'-0"	4293	28'-3"
COOLER	1981	6'-6"	4928	16'-2"	2591	17'-0"

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	ENGR. APP.
3	ADDITION OF RAW GAS LINE	06/12/19	SS	TD	RL
2	MOVED STRAINT LINE	06/11/28	SS	TD	RL
1	REVISED FLARE HEADER	06/11/12	SS	TD	RL
0	ISSUED FOR CONSTRUCTION	06/12/01	SS	TD	RL

CompressionServices
ENERFLEX

TITLE
GENERAL ARRANGEMENT
ARIEL JGH/4, WAUKESHA F5521GSI, AIR-X-CHANGERS 132DH5
COMPRESSOR PACKAGE

FOR: