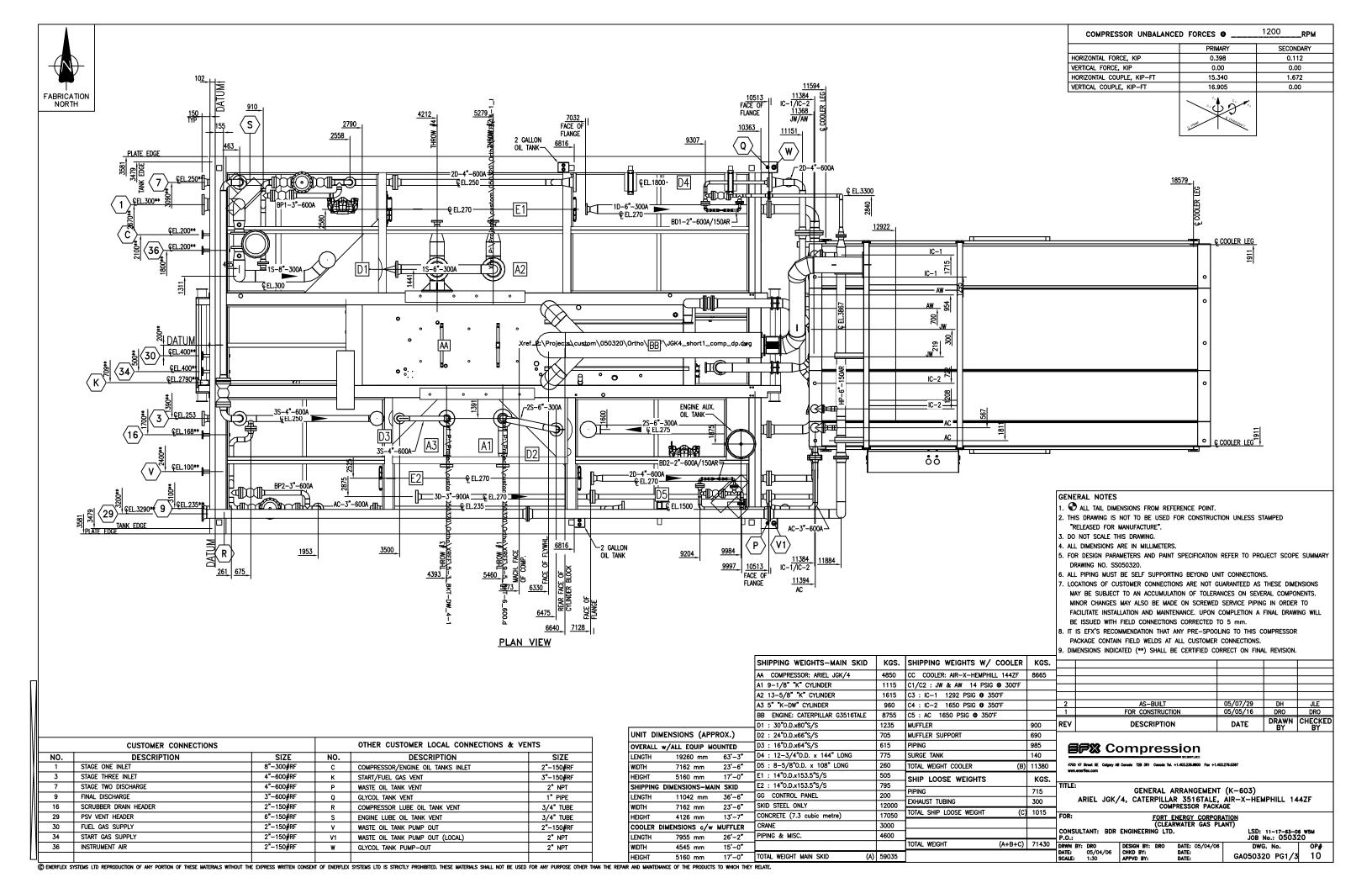
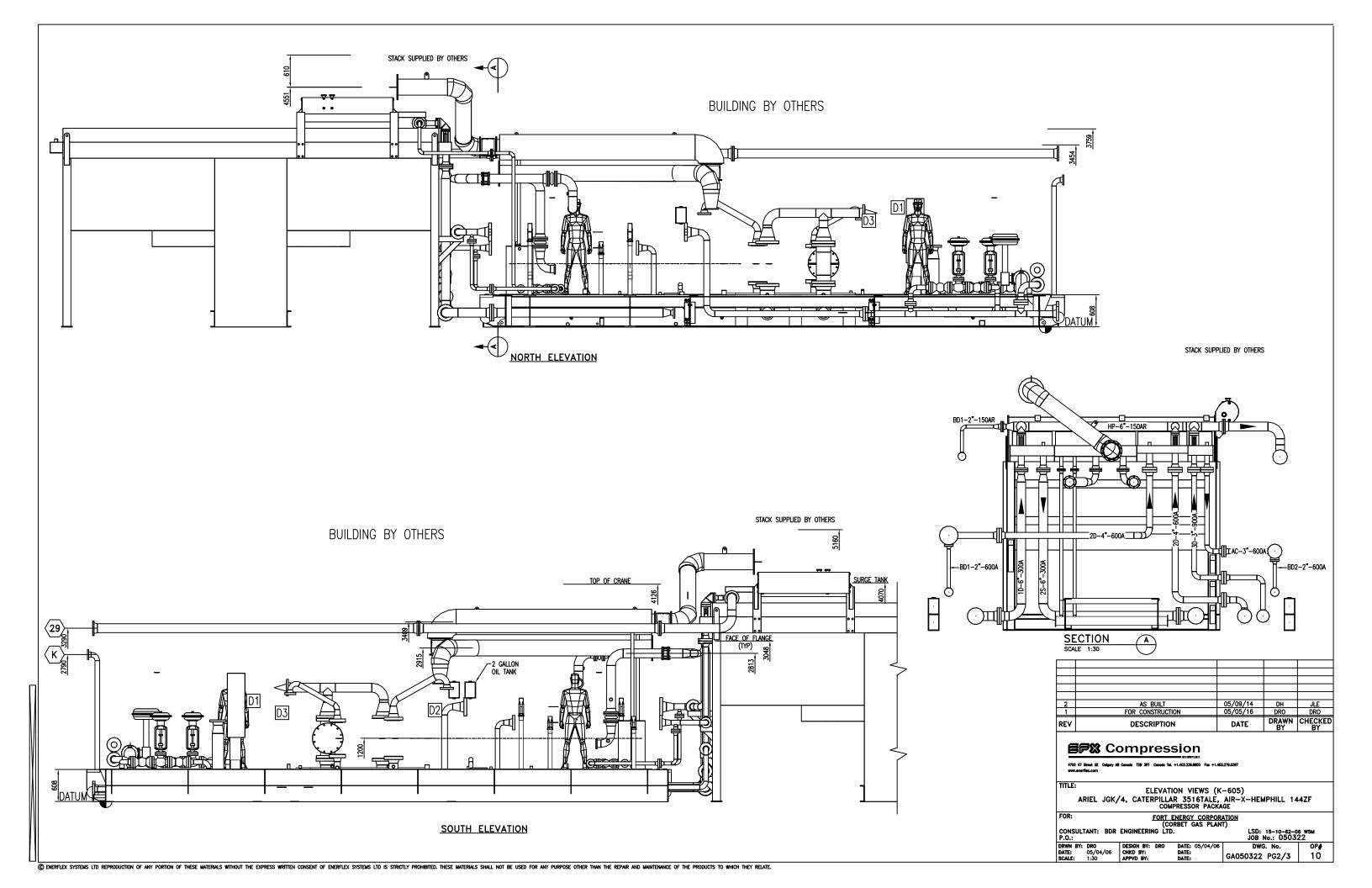
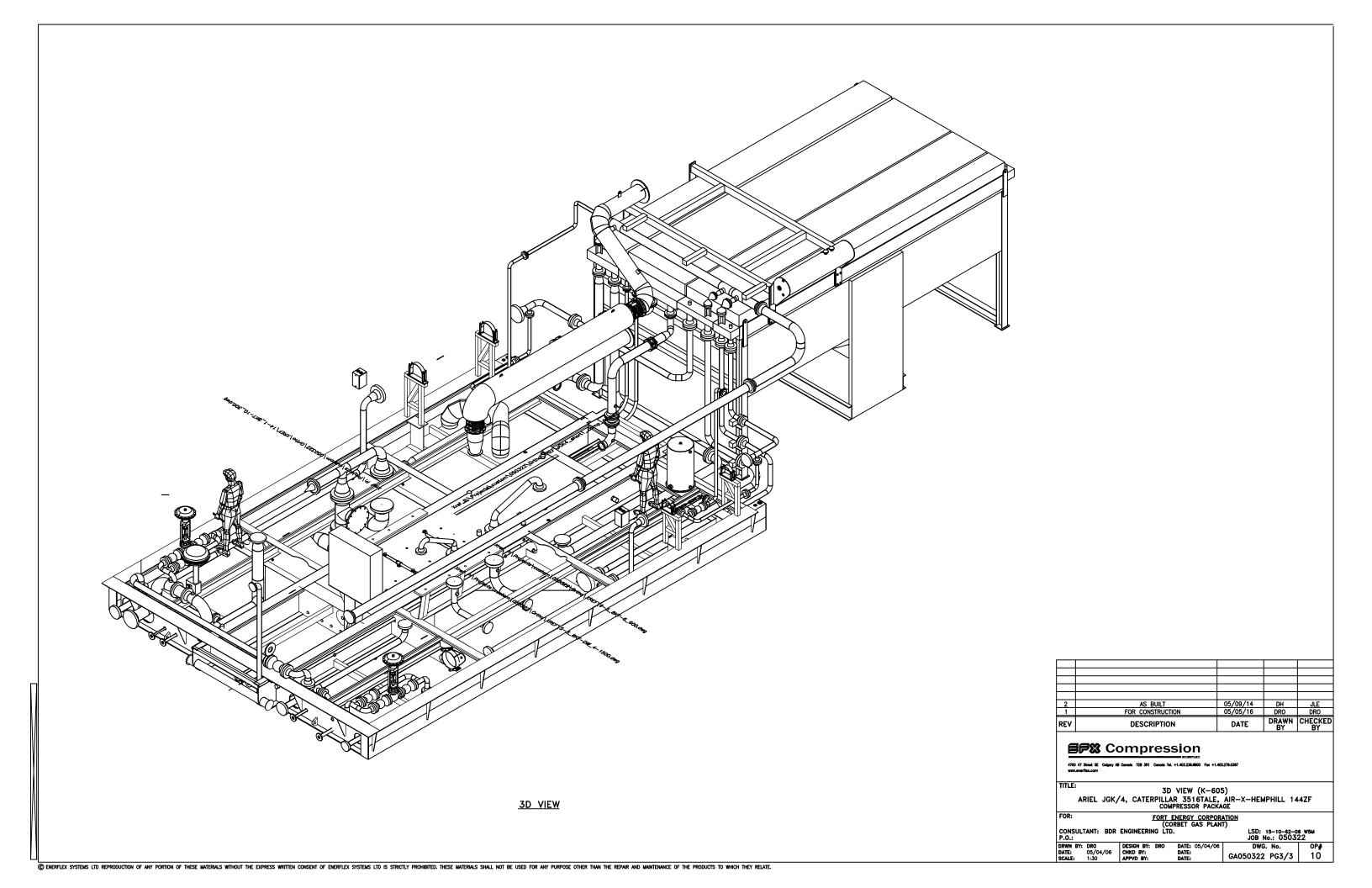
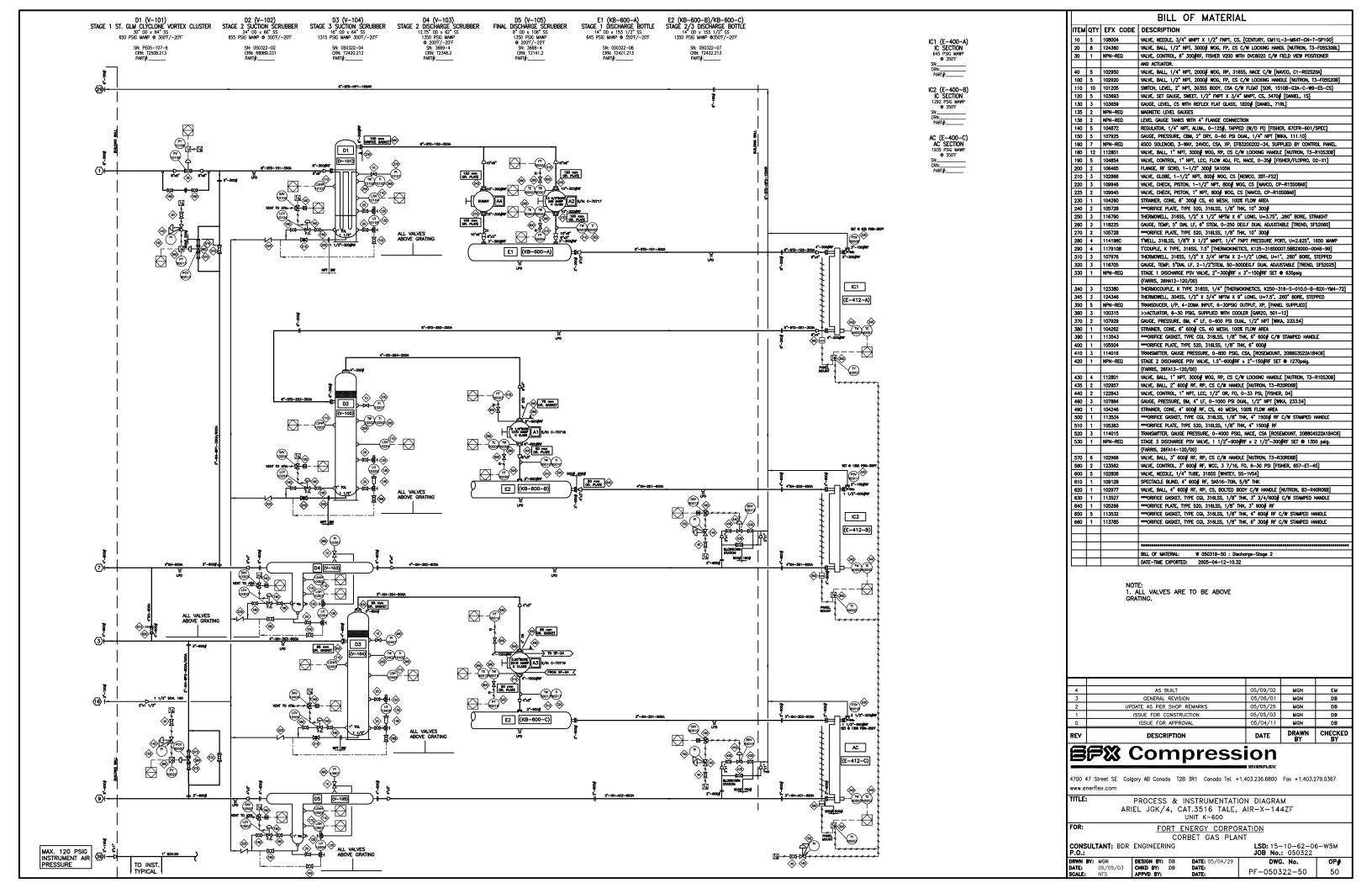


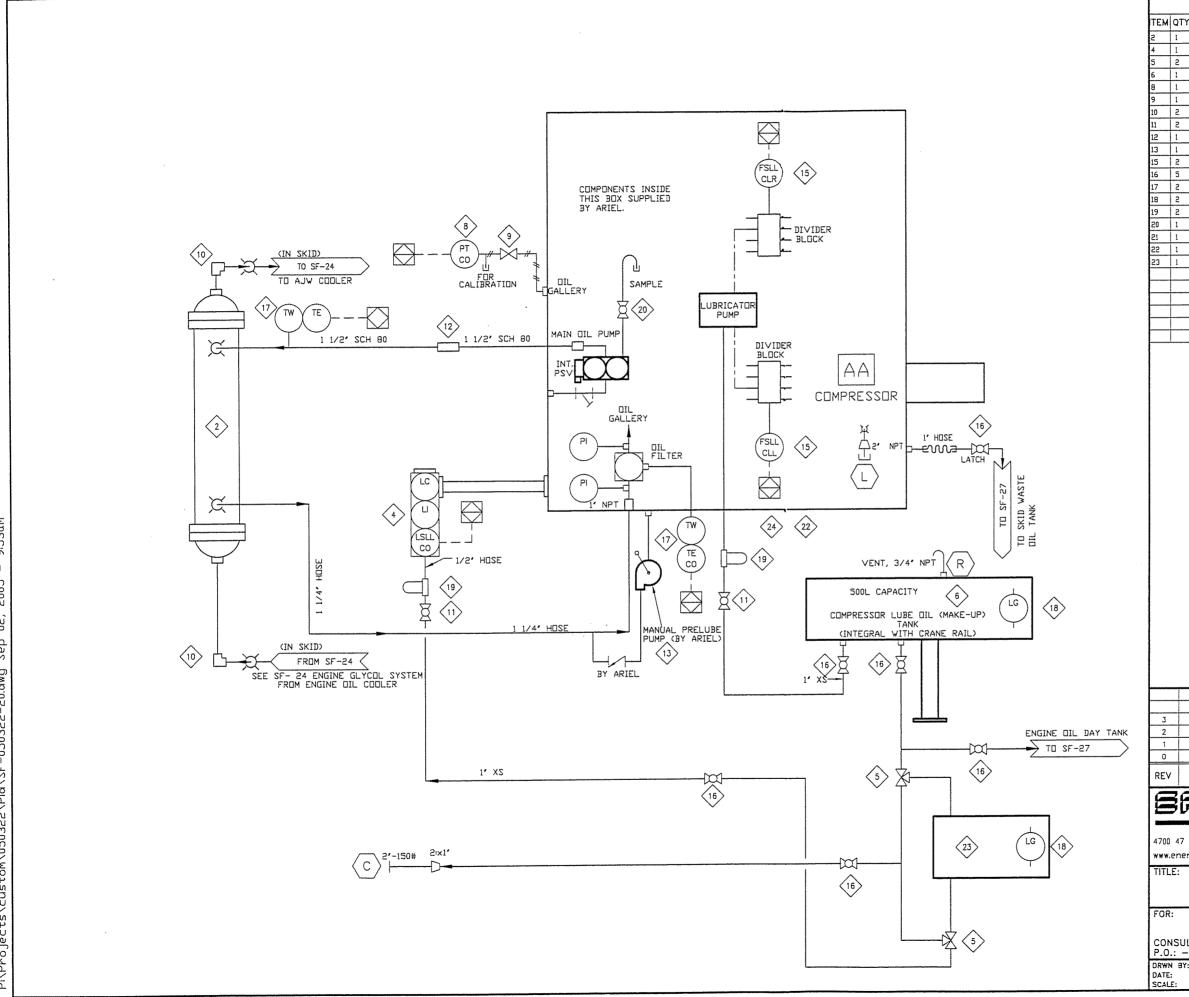
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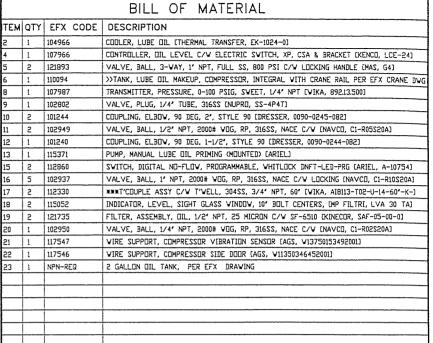














		· · · · · · · · · · · · · · · · · · ·		1
3	AS BUILT	05/09/02	MGN	EM
2	ADD OIL TANK	05/05/25	MGN	DB
1	ISSUE FOR CONSTRUCTION	05/05/03	MGN	DB
0	ISSUE FOR APPROVAL	05/04/11	MGN	DB
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

# **昼**戸窓 Compression

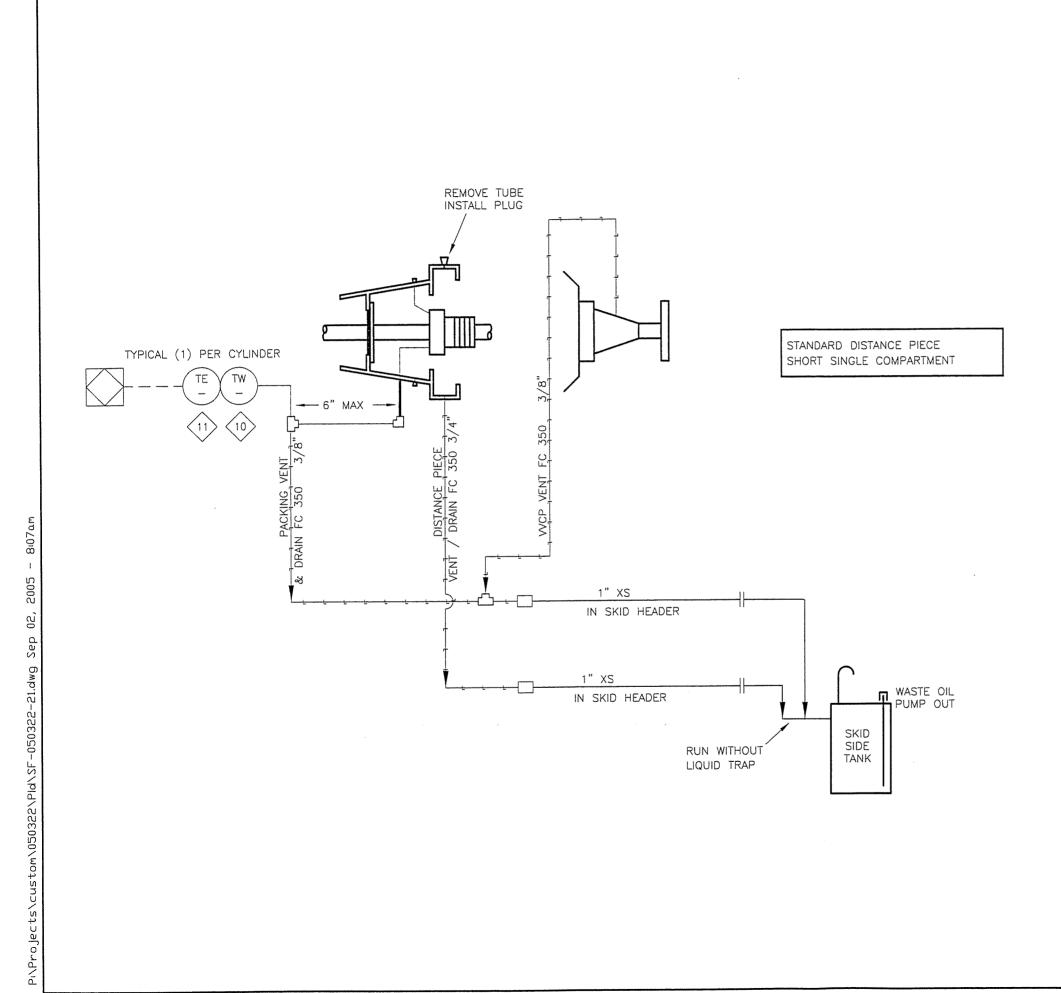
4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1.403.236.6800 Fax +1.403.279.0367 www.enerflex.com

SERVICE FLOW
COMPRESSOR OIL SYSTEM-JGK/4 FRAME
K-600

FORT ENERGY CORPORATION

CORBET GAS PLANT

CONSULTANT: BDR ENGINEERING LSD: 15-10-62-06-W5M P.O.: - JOB No.: 050322



MATERIAL LIST								
М	QTY	EFX CODE	DESCRIPTION					
	3	116701	THERMOVELL, 316SS, 1/2' X 1/2' NPTM X 2-1/2' LONG, U=1', 260' BORE, STEPPED					
	3	114007	THERMOCOUPLE, K TYPE, 316SS, [THERMOKINETICS, K125-316S-004.0B-82SYT2]					
	<del> </del>	<del> </del>						
	<del> </del>	<del>                                     </del>						

#### NUT

- 1. PACKING FAILURE SENSOR(S), SHOULD BE SET TO 200°F SHUTDOWN FOR NEW PACKING.

  AFTER PACKING IS BROKEN IN, SHUTDOWN TEMPERATURE IS TO BE ADJUSTED TO 150%.

  (OR 200°F MAX) OF NORMAL OPERATING TEMPERATURE. (ONE PER CYLINDER)
- 2. OIL SEAL POT AND VACUUM PUMP ASS'Y REQUIRED WHEN CUSTOMER CONNECTING TO FLARE SYSTEM

# AS-BULT

DATE SEP 0 8 2005

2	AS BUILT	05/09/02	MGN	EM
1	ISSUE FOR CONSTRUCTION	05/05/03	MGN	DB
0	ISSUE FOR APPROVAL	05/04/11	MGN	DB
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

# **昼**戸窓 Compression

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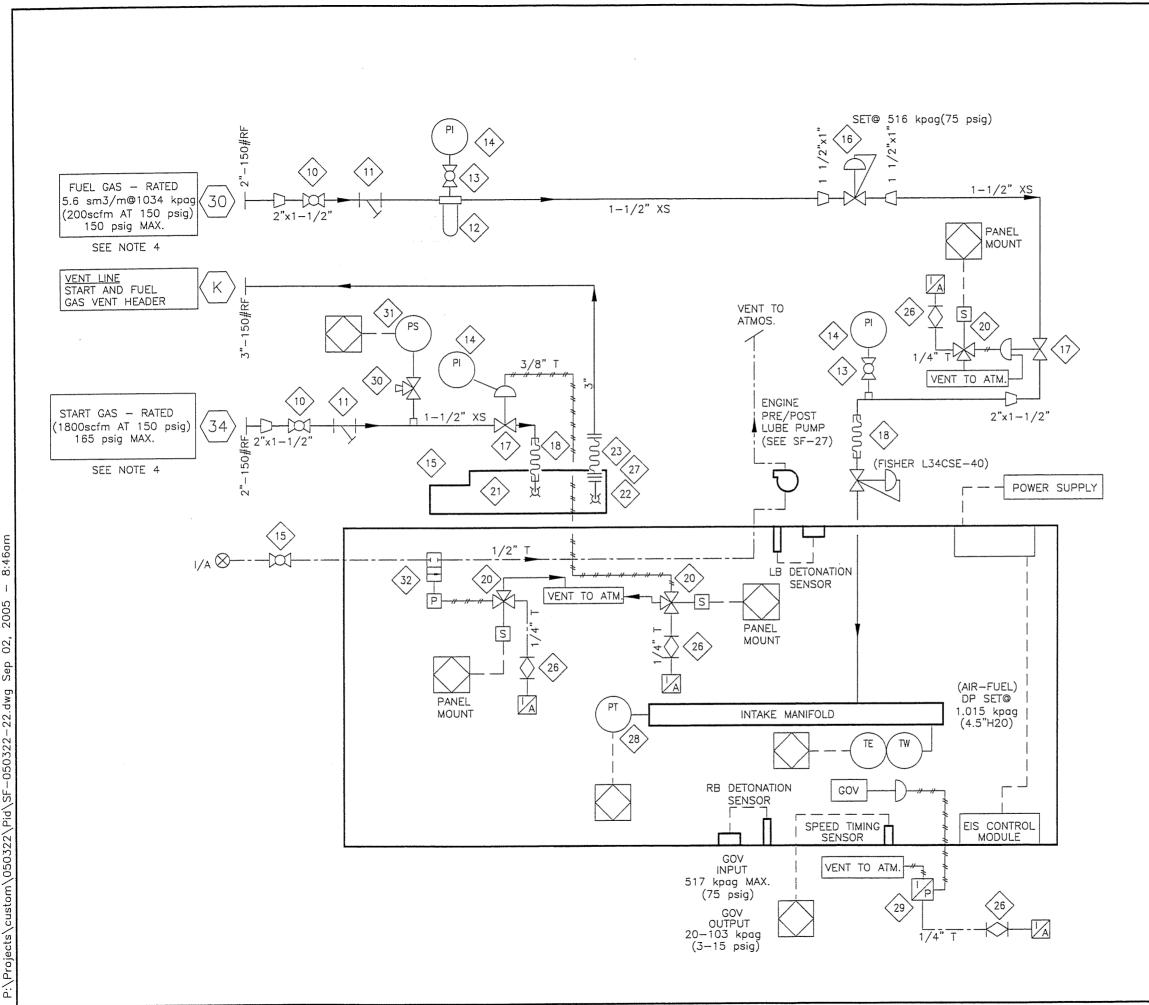
TITLE:

SERVICE FLOW
PACKING VENT & DRAIN SYSTEM 0<H2S<100 PPM
K-600

FORT ENERGY CORPORATION
CORBET GAS PLANT

CONSULTANT: BDR ENGINEERING

LSD: 15-10-62-06-W5M JOB No.: 050322



			BILL OF MATERIAL
ITEM	QTY	EFX CODE	DESCRIPTION
10	2	102933	VALVE, BALL, 1-1/2" NPT, 2000# WOG, RP, 316SS, NACE C/W [ NAVCO C1-R15S2DA ]
11	2	102830	STRAINER, Y, 1-1/2" NPT, 1480 PSIG MAWP, CS, 1/32" SS SCREEN [ALTA, YS-600]
12	1	115569	FILTER, 1-1/2" FNPT C/W 200-35-DX ELEMENT &SS PLUG [PARKER, C8312N-0A0-DX-S453]
13	2	102950	VALVE, BALL, 1/4" NPT, 2000∰ WOG, RP, 316SS NACE, C/W [ NAVCO C1-RO2S20A )
14	3	107911	GAUGE, PRESSURE, BM, 2-1/2" LF, 0-300 PSI DUAL, 1/4" NPT [WIKA, 233.53]
15	1	102949	VALVE, BALL, 1/2" NPT, 2000# WOG, RP, 316SS, NACE C/W [ NAVCO C1-R05S20A ]
16	1	104863	REGULATOR, 1" NPT, DI, 3/8" OR, 35-80# SPR RNG, SET 0 75 PSIG [FISHER, 627-494]
17	2	103762	VALVE, RELAY, GAS, 1-1/2" NPT, MAWP 450 PSI [TDI, RLVA25683001201]
18	2	104695	HOSE, BRADED STEEL, 2" MNPT X MALE NPT UNION X 12" LONG
20	3	104789	VALVE, SOLENOID, 3-WAY, 24VDC, CSA, XP, EPNC 115PSI, NC SS [ASCO, EF8320G202-24]
			BY PANEL SUPPLIER
21	1	103758	STARTER, AIR/GAS, STD 150-60 PSIG, INERTIA DUAL [TDI TURBOSTART, T112-60001-81R]
22	1	103741	ELBOW, STARTER EXHAUST, 90 DEG, SR, 3" MNPT, CS [TDI, T100-27900]
23	1	120174	HOSE, STEEL BRADED, 3"- \$150 RF x 3"- \$150 RF, 10" LONG
26	4	102802	VALVE, PLUG, 1/4" TUBE, 316SS [ NUPRO SS-4P4T )
27	1	106497	FLANGE, RF. SCREWED, 3"- #150, SA-105N
28	1	107994	TRANSMITTER, PRESSURE, -30 HG/30 PSIG, SWEET, 1/4" (WIKA 892.13.500)
29	1	120478	TRANSDUCER, 1/P, 4-20MA INPUT, 3-15 PSIG OUTPUT, XP (FAIRCHILD TXI-7800-401E-2)
			BY PANEL SUPPLIER
30	1	116812	VALVE, BALL, 3-WAY, 1/4" TUBE, 316SS, .125" ORIFICE [WHITEY, SS-42XS4]
31	1	118790	SWITCH, PRESSURE, 1500 MWP, 18-150R, 6-138F, XP, [CCS, 6900GE16]
32	1	116700	VALVE, SWITCHING, 3-WAY, 1/2" NPT, 40-100 PSI [FISHER, 164A-81]

#### NOTES:

- 1. VENT START AND FUEL TO SEPARATE VENT HEADER.
- 2. ALL SERVICE LINES OPERATING ABOVE 103KPA(15 PSI) MUST BE PRESSURE TESTED PER THE PROCEDURE IN THE QC MANUAL.
- 3. INSTRUMENT REGULATORS C/W VENTED BONNETS ARE NOT REQUIRED ON INSTRUMENT AIR SERVICE.
- 4. SWEET CLEAN DRY GAS REQUIRED FOR BOTH FUEL AND START GAS.

# AS-BULT DATE SEP 0 8 2005

4	AS BUILT	05/09/02	MGN .	EM
3	ADDED ITEM 32	05/07/20	MGN	JLE
2	UPDATE BOM	05/05/25	MGN	DB
1	ISSUE FOR CONSTRUCTION	05/05/03	MGN	DB
0	ISSUE FOR APPROVAL	05/04/11	MGN	DB
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

## **邑戸窓 Compression**

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1.403.236.6800 Fax +1.403.279.0367

TITLE:

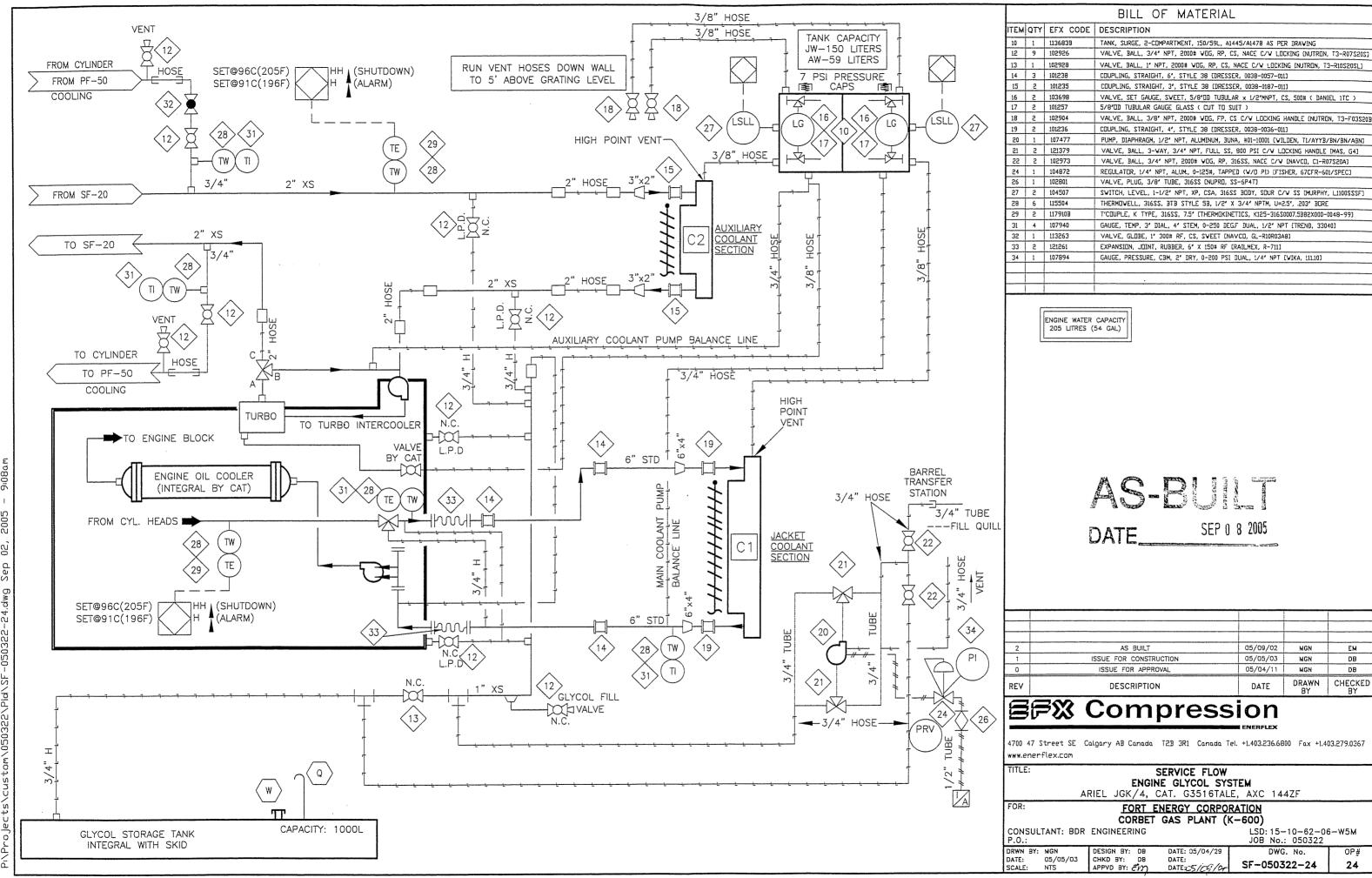
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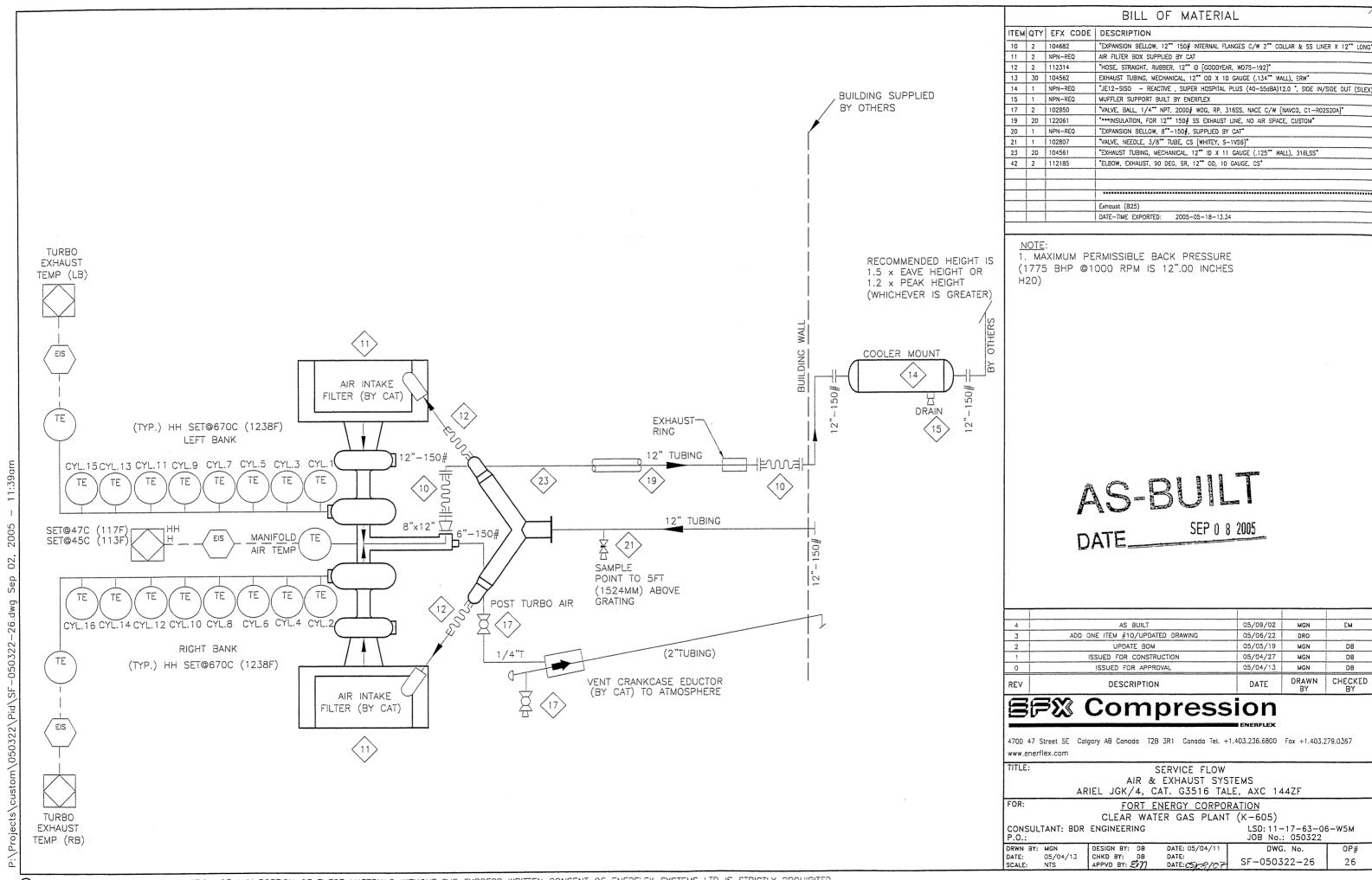
SERVICE FLOW FUEL AND START GAS SYSTEM CATERPILLAR G3516-TALE

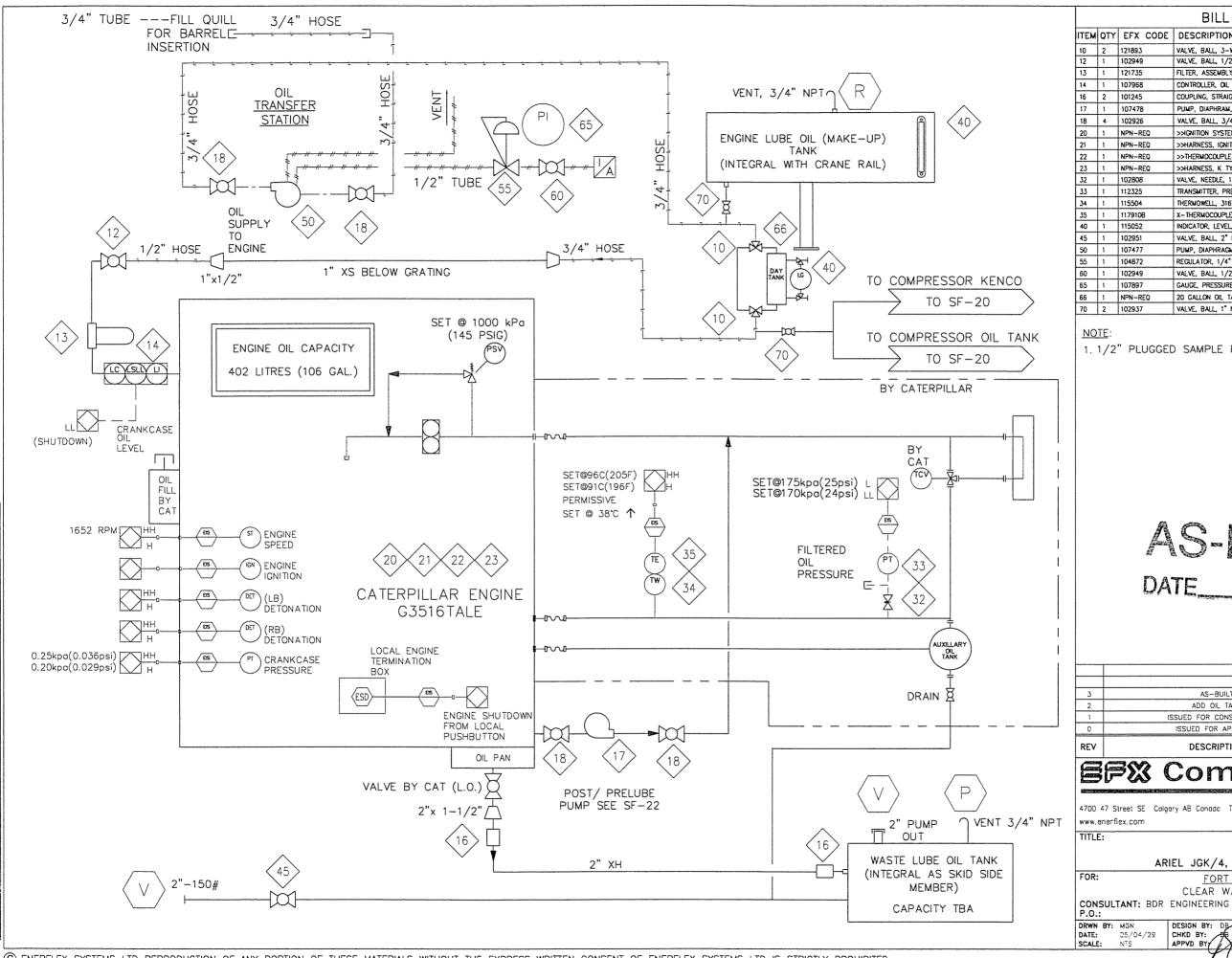
FOR: FORT ENERGY CORPORATION
CORBET GAS PLANT (K-600)

CONSULTANT: BDR ENGINEERING

LSD: 15-10-62-06-W5M JOB No.: 050322







			BILL OF MATERIAL
ITEM	QTY	EFX CODE	DESCRIPTION
10	2	121893	VALVE, BALL, 3-WAY, 1" NPT, FULL SS, 800 PSIG ( MAS G-4)
12	1	102949	VALVE, BALL, 1/2" NPT, 2000; WOG, RP, 316SS, NACE C/W [NAVCO, C1-R05S20A]
13	1	121735	FILTER, ASSEMBLY, OIL, 1/2" NPT, 25 MICRON, C/W SF6310 [KINECOR, SAF-05-00-0]
14	1	107968	CONTROLLER, OIL LEVEL C/W ELECTRIC SWITCH, XP, CSA C/W DOOR MT [KENCO, LCE-17]
16	2	101245	COUPLING, STRAIGHT, 2", STYLE 90 [DRESSER, 0090-0005-082]
17	1	107478	PUMP, DIAPHRAM, 1"NPT, ALUMINUM, BUNA, #02-10001 (WILDEN T2A)
18	4	102926	VALVE, BALL, 3/4" NPT, 2000# WOG, RP, CS, NACE C/W LOCKING [NUTRON, T3-R07S20S]
20	1	NPN-REQ	>>IGNITION SYSTEM, BY CAT, CSA CLASSI, DIV2
21	1	NPN-REO	>>HARNESS, IGNITION SYSTEM, CSA CLASSI, DIV2, BY CAT
22	1	NPN-REQ	>>THERMOCOUPLE ASS'Y, TYPE K, 3/4" NPT, 2-1/2" INSERTION, BY CAT
23	1	NPN-REQ	>>HARNESS, K TYPE THERMOCOUPLE, BY CAT
32	1	102808	VALVE, NEEDLE, 1/4" TUBE, 316SS [WHITEY, SS-1VS4]
33	1	112325	TRANSMITTER, PRESSURE, 0-160 PSIG, SWEET, 1/4" NPT [WKA, 892.13.500]
34	1	115504	THERMOWELL, 316SS, BTB STYLE 5B, 1/2" X 3/4" NPTM, U=2.5", .203" BORE
35	1	1179108	X-THERMOCOUPLE, K TYPE, 316SS [THERMOKINETICS, K125-316-S-007.5-B-82X000-0048]
40	1	115052	INDICATOR, LEVEL, SIGHT GLASS WINDOW, 10" BOLT CENTERS, [MP FILTRI, LVA 30 TA]
45	3	102951	VALVE, BALL, 2" NPT, 2000 WOG, RP, 316SS, NACE C/W LOCKING [NAVCO, C1-R20S2OA]
50	1	107477	PUMP, DIAPHRACM, 1/2" NPT, ALUMINUM, BUNA, FOI-10001 [WILDEN, TI/AYYB/BN/BN/ABN]
55	1	104872	REGULATOR, 1/4" NPT, ALUM, 0-125#, TAPPED (W/O PI) [FISHER, 67CFR-601/SPEC]
60	1	102949	VALVE, BALL, 1/2" NPT, 2000; WOG, RP, 316SS, NACE C/W [NAVCO, C1-R05S20A]
65	1	107897	GAUGE, PRESSURE, BM, 4" LF, 0-2000 PSI DUAL, 1/2" NPT [WKA, 233.54]
66	1	NPN-REQ	20 GALLON OIL TANK, AS PER EFX DRAWING
70	2	102937	VALVE, BALL, 1" NPT, 2000# WOG, RP, 316SS, NACE C/W LOCKING [NAVCO, C1-R10S20A]

1. 1/2" PLUGGED SAMPLE POINTS TO BE PROVIDED.

### AS-BUIT DATE SEP 2 1 2005

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
0	ISSUED FOR APPROVAL	05/04/29	MGN	DB
1	ISSUED FOR CONSTRUCTION	05/05/03	MGN	DB
2	ADD OIL TANK	05/05/24	MGN	DB
3	AS-BUILT	05/09/07	DH	EAM
	· · · · · · · · · · · · · · · · · · ·			,

# **営F窓** Compression

4700 47 Street SE Calgary AB Canada T2B 3R1 Canada Tel. +1.403.236.6800 Fax +1.403.279.0367

SERVICE FLOW ENGINE OIL

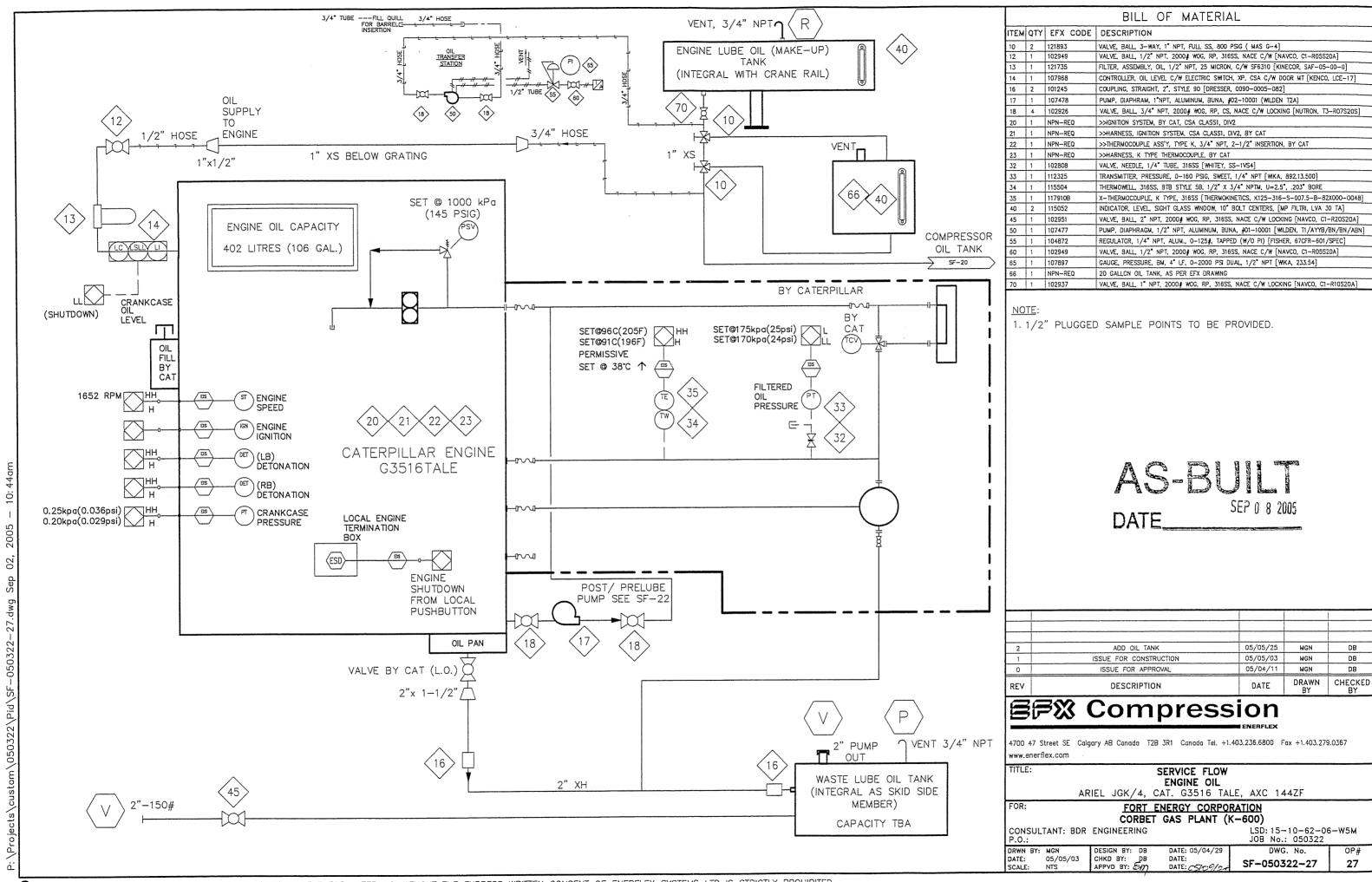
ARIEL JGK/4, CAT. G3516 TALE, AXC 144ZF

FORT ENERGY CORPORATION

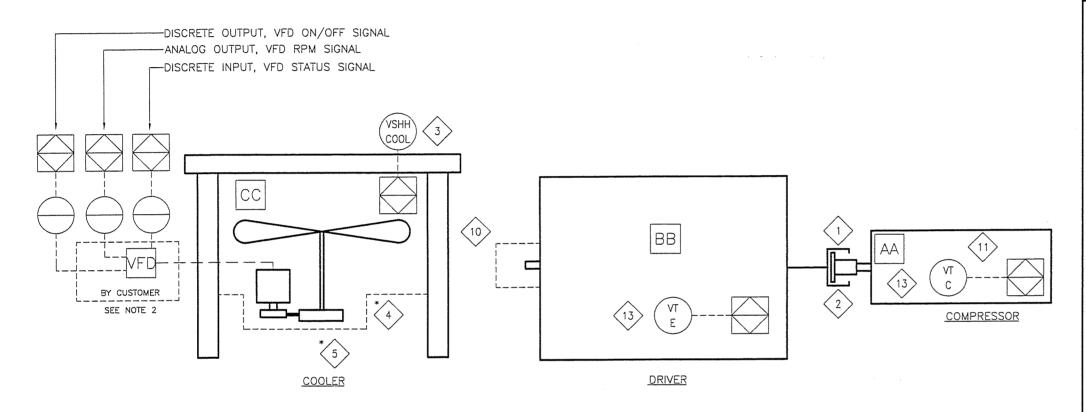
CLEAR WATER GAS PLANT (K-601)

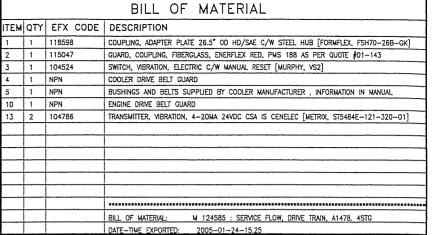
LSD: 11-17-63-06-W5M JOB No.: 050322

DESIGN BY: DB DATE: 05/04/28 DWG. No. OP# DATE: SF-050322-27 27 DATE:



DESCRIPTION	SHEAVE PICTH Ø	RPM
ENGINE SHAFT	TBD	TBD
JACK SHAFT	N/A	N/A
ENGINE END	N/A	N/A
COOLER END	N/A	N/A
IDLER	N/A	N/A
COOLER END	N/A	N/A
COOLER SHAFT	TBD	TBD
MOTOR SHAFT	TBD	TBD





# AS-BUILT

SEP 0 8 2005 DATE\_

DATE:

- 1. \* SUPPLIED BY VENDOR
- 2. WIRING FROM PANEL TO CUSTOMER VFD BY CUSTOMER.

3	AS BUILT	05/09/02	MGN	EM
2	REVISED COUPLING	05/06/17	DRO	
1	ISSUED FOR CONSTRUCTION	05/04/27	MGN	OB
0	FOR APPROVAL	05/04/13	MGN	DB
REY	DESCRIPTION	DATE	DRAWN BY	CHECKED BY

### **邑**╒窓 Compression

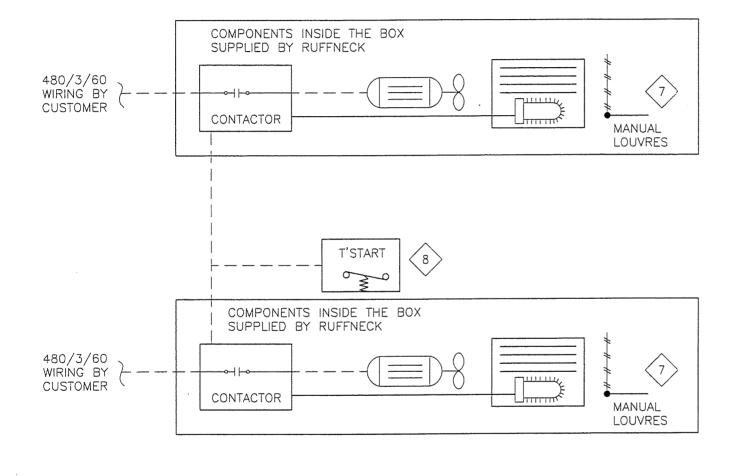
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SERVICE FLOW DRIVE TRAIN ARIEL JGK/4, CAT. 3516 TALE AIR X 144ZF A1478 4STG (OP 28)

FORT ENERGY CORPORATION CLEAR WATER GAS PLANT (K-605)

LSD: 11-17-63-06-W5M CONSULTANT: BDR ENGINEERING P.O.: -JOB No.: 050322

DRWN BY: MGN DESIGN BY: -DWG. No. CHKD BY: DB APPVD BY: EHY) 05/04/13 DATE: -SF-050322-28 28 NTS DATE: 65/09/0



BUILDING EQUIPMENT AND CONTROLS

			BILL OF MATERIAL
ITEM	QTY	EFX CODE	DESCRIPTION
7	2	104647	HEATER, ELECTRIC, 20 KW, 480V/3/60HZ, XP, CSA, [RUFFNECK, FX416-480360-20]
8	1	104651	THERMOSTAT, 5-25 DEG.C RANGE, 120/240V, XP, CSA, VALL MOUNT, (DEFENDER, XT-311)
			BILL OF MATERIAL: M BASE TEMPLATE: ASSEMBLY, HEATERS, A1478

# AS-BUILT

DATE SEP 0 8 2005

L				
2	AS BUILT	05/09/02	MGN	EM
1	ISSUED FOR CONSTRUCTION	05/05/03	MGN	DB
0	ISSUED FOR APPROVAL	05/04/11	MGN	DB
REV	DESCRIPTION	DATE	DRAWN	CHECKED

### **營**₱器 Compression

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TITLE:

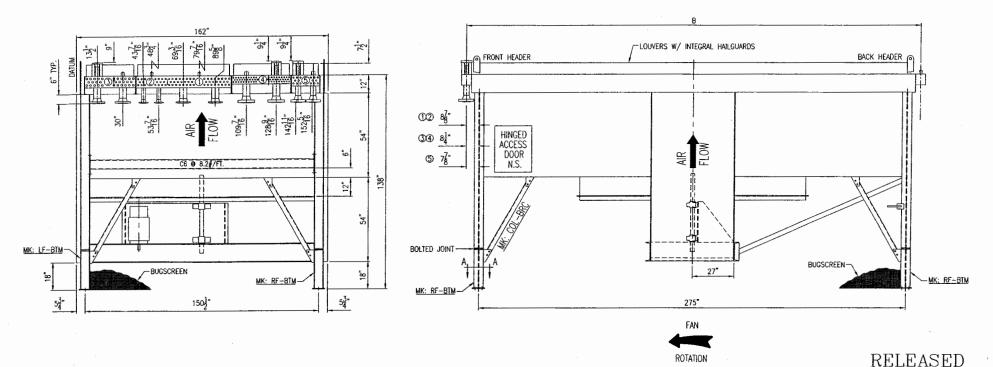
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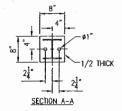
SERVICE FLOW BUILDING EQUIPMENT AND CONTROL

A1478-4 STG (OP 72)

FORT ENERGY CORPORATION)
CORBET GAS PLANT (K-600)

A1414D		****	CODE	NOZZ	LES	COUPLING	REF. DIA	MENSION	LOUVEDS	BUG SCREEN	DRIVE	FAN	FINISH
ITEM	SERVICE	MAWP	CODE	INLET	OUTLET	VENT/TEMP	В	С	LOUVERS	JOG GONLLIN	ELECTRIC MOTOR DRIVE SHEAVES, BELTS, AND	144Ø MOORE 10K, 60 HD, VT	STRUCTURE STD. PRIMER W/
1	EJW (COMBINED) 52 GALS	14 PSI @ 300/-20°F	NONE	4-150# RFWN	4-150# RFWN	1-3000#	292.75		MANUAL		GUARDS BY AIR-X-HEMPHILL 50 HP. 1800 RPM. 3P.	11-BLADE 12' PA, LH ROTATION 244 RPM @ 43 HP REQ'D	STD. PRIMER W/ WARM GRAY
2	AUX-W (COMBINED) 26 GALS	14 PSI @ 300/-20°F	NONE	2-150# RFWN	2-150# RFWN	1-3000#	292.75		MANUAL	YES	60 HZ, 460V, TEFC, VFD,		ENAMEL TOP COA
3	IC-1	645 PSI @ 350/-40°F	ASME	4-300# RFWN	4-300# RFWN	2-300# RFWN 1-6000#	291.50	-	AUTO	162	CSA ELECTRIC MOTOR	ø2.6875 BORE	
4	IC-2	1292 PSI @ 350/-40°F	ASME	4-600# RFWN	4-600# RFWN	1.5-600# RFWN 1-6000#	291.50		AUTO			WITH .625 x .3125 KWY.	FAN GUARD
5	AC	1935 PSI @ 350/-40°F	ASME	3-900# RFWN	3-900# RFWN	1.5-900 RFWN 1-6000 ₽	290.75	-	AUTO	,	_		GALVANIZED





									*	
						FOR:	ENERFLEX	ESTIMATED DRY WEIGHT	19,100#	
						P.O. NO:	0540424 - 429		ir v homebill	
						CUST. TAG:	050317 - 322	<b></b> <i>air-x-</i> h <i>emphil</i>		
						USER:	TRIDENT EXP.		AXH air-coolers	
4	FAN INFORMATION	LES	м.В.		05/05/05	JOBSITE:	AB, CANADA	CERTIFIED DRAWING FOR:		
3	CHG'D WATER NOZZLES & AC PSV	M.B.	L.W.		04/27/05	JOB NO:	54034	MODEL 144		
2	CHG'D EJW NOZZLE	M.B.	L.W.		04/14/05	WORK ORDER	NO: -	MODEL 144		
1	PER CUSTOMER COMMENTS AND RELEASE	JJ	мВ		04/13/05	DR: JJ	DATE: 04/08/05		DWG. NO. 54034-CRT	
REV	REVISION DESCRIPTION	BY	CK	APP	DATE	CK: M.B.	DATE: 04/08/05	SCALE: FULL	DATE: 04/08/05 REV 4	

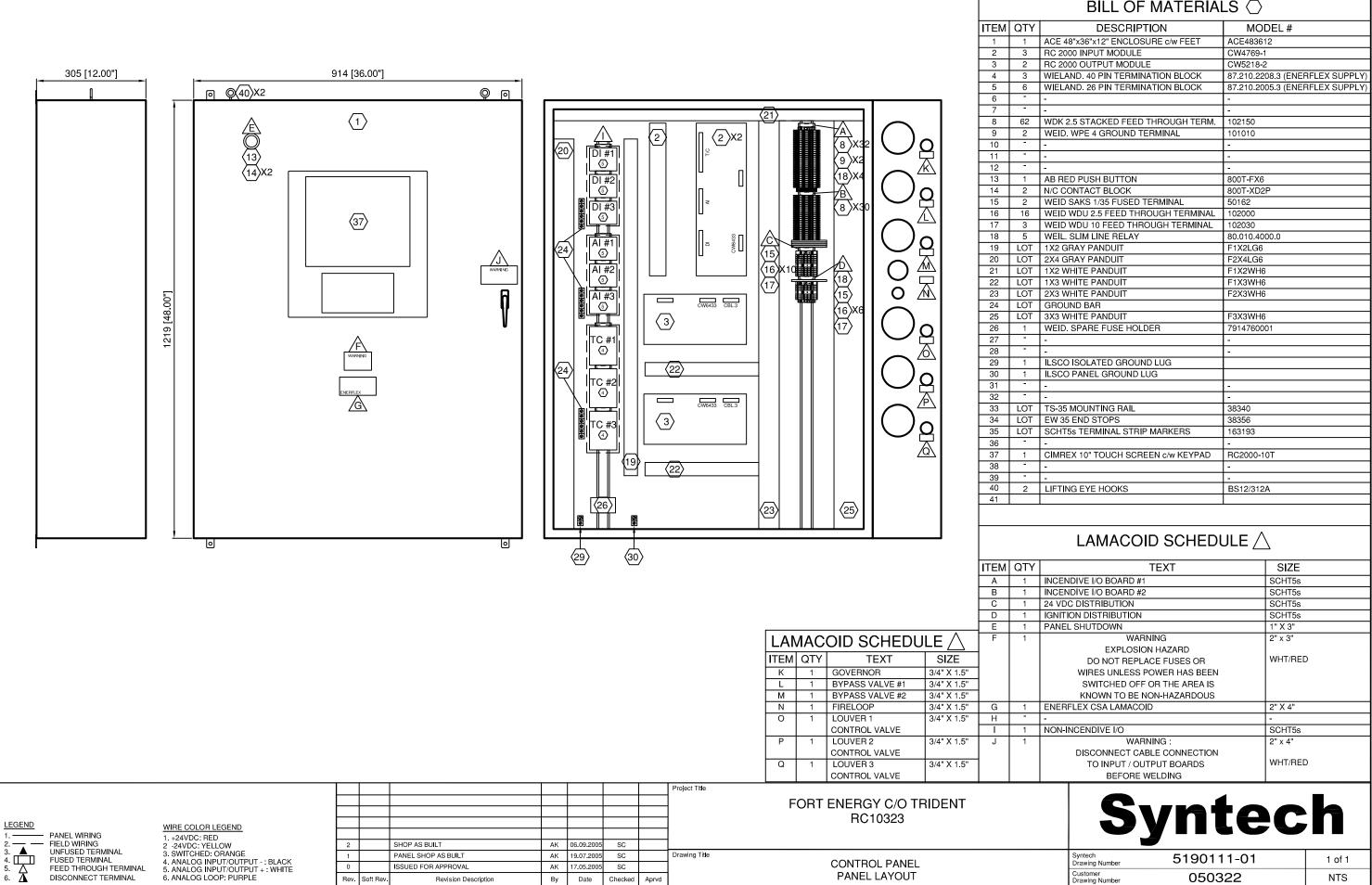
FABRICATION OF THIS ORDER HAS BEGUN

Visual = 0x 7-12-05

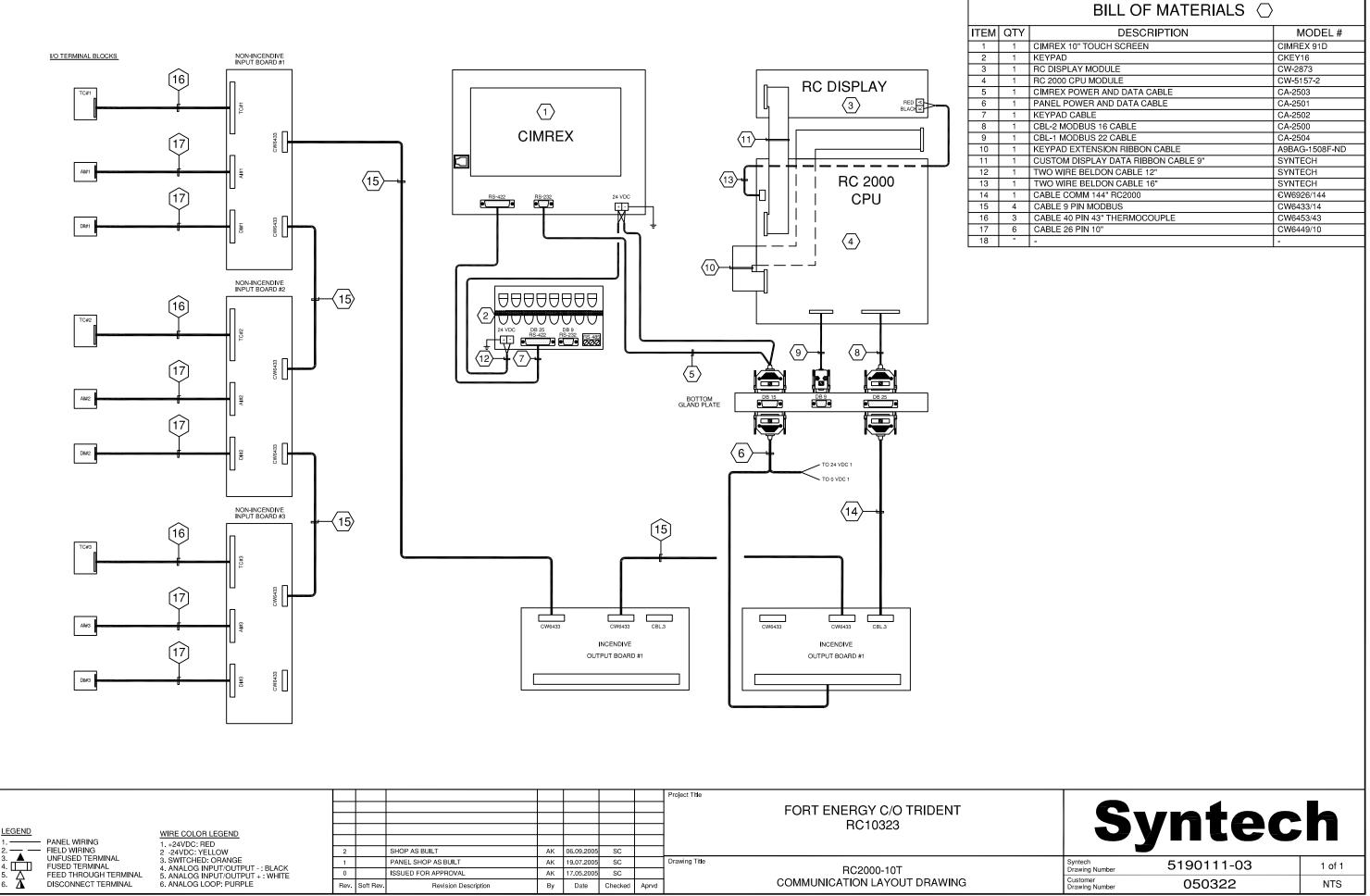
Dinn = 0x 97-11-05

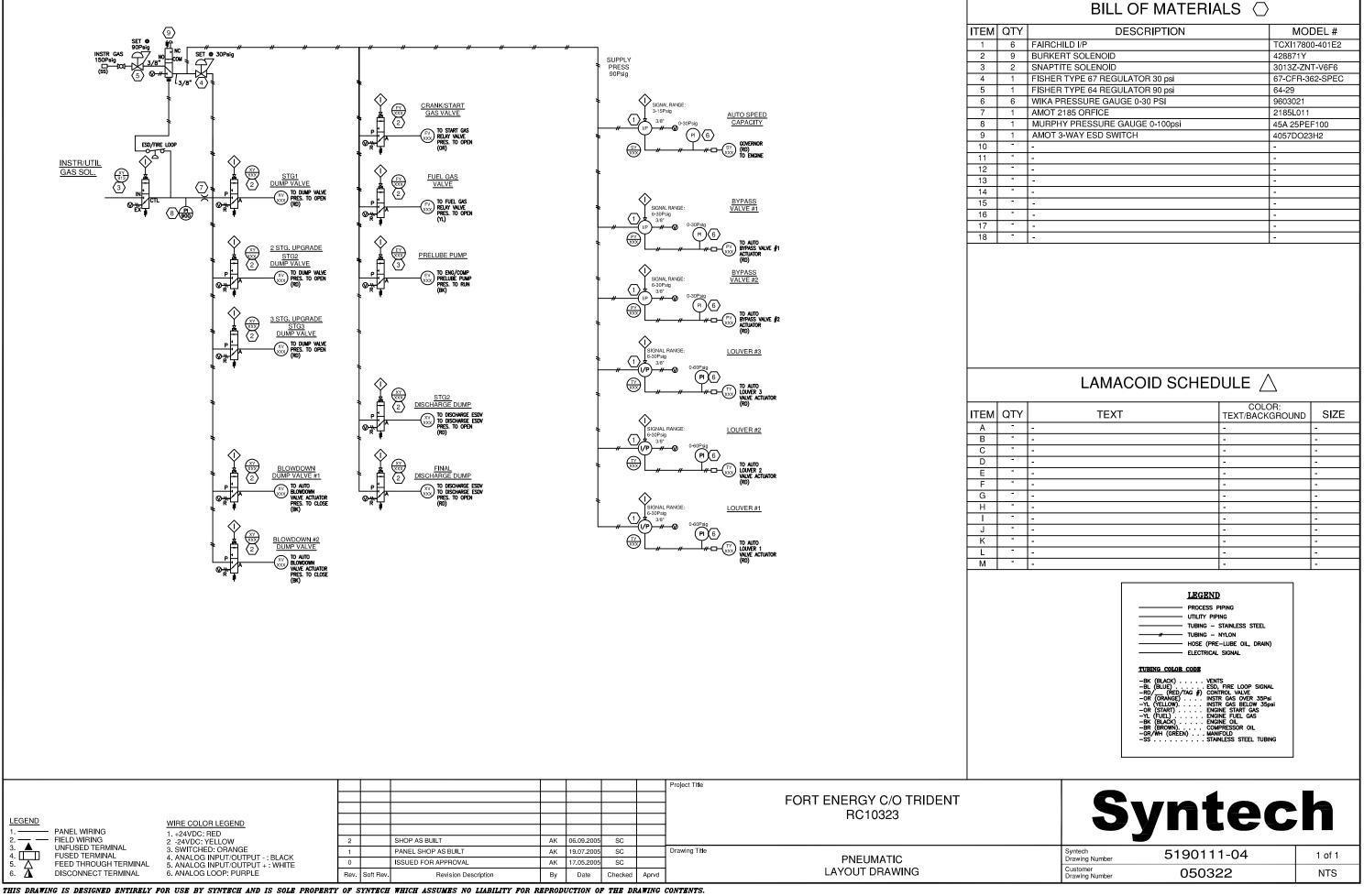
Paint Touch-4/Clean Up

BILL OF MATERIALS 🔾



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### 24VDC POWER DISTRIBUTION

### 0 VDC -4 PANEL SHUTDOWN 0 VDC -HS 100A 0 VDC WDU 10 TO 10" TOUCH SCREEN ₽ 24 VDC-1-10T 24 VDC-1/#03 0 VDC-1/#01 0 VDC-1 24 VDC-1 INCENDIVE OUTPUT BOARD #1 PINS 3 & 1 24 VDC-2/#03 0 VDC-2/#01 24 VDC-2 0 VDC-2 INCENDIVE OUTPUT BOARD #2 PINS 3 & 1 24 VDC-3 0 VDC-3 SPARE 24 VDC-4

### 24VDC TERMINAL LAYOUT

<u>TO</u>	P LEV	<u>EL</u>	BOTT	OM L	<u>EVEL</u>			
	DO 1+			DO 1-	1			
	DO 2+			DO 2-				
	DO 3+			DO 3-				
	DO 4+			DO 4-				
	DO 5+			DO 5-				
	DO 6+			DO 6-				
	DO 7+ DO 8+			DO 7- DO 8-				
	DO 9+			DO 8-				
	DO 10+		<u> </u>	DO 10-				
	DO 11+			DO 11-				
	DO 12+			DO 12-				
	DO 17+			DO 17-				
	DO 18+			DO 18-				
	DO 19+			DO 19-				
=	DO 20+			DO 20-				
	DI 1+ DI 2+			DI 1- DI 2-				
	DI 2+			DI 2-				
	DI 4+		1	DI 4-				
=	AO 1+			AO 1-	<u> </u>			
	AO 2+			AO 2-				
	AO 3+			AO 3-				
	AO 4+			AO 4-				
	AO 5+			AO 5-				
-	AO 6+			AO 6-	Ļ			
	TX+ RX+			TX- RX-				
	L HX+		ND	HX-	l			
	-		ND					
	•	CAT EISM	SD RELAY					
		ESD STA	TUS/R-ESD					
		RUN STATU	JS/R-STATU	S				
L	ALARM STATUS RELAY/R-ALARM							
NOTE 1	<u>.</u>	24 VI	DC					
		24 V	DC-1					
	F	24 V						
		24 VI						
	-	24 VI						
		24 V	DC-5	_				
		0 V	DC					
	7	0 VE	DC-1	_				
		0 VE						
		0 VE						
		0 VE						
	L	0 VE	)U-0					

TOP LEVEL **BOTTOM LEVEL** 

		INCENDIVE I/O #2	
	DO 21+		DO 21-
	DO 22+		DO 22-
	DO 23+	1	DO 23-
	DO 24+		DO 24-
	DO 25+	1	DO 25-
	DO 26+	I	DO 26-
	DO 27+	1	DO 27-
	DO 28+	1	DO 28-
	DO 29+		DO 29-
	DO 30+	i	DO 30-
	DO 31+	1	DO 31-
	DO 32+		DO 32-
	DO 33+	!	DO 33-
	DO 34+		DO 34-
	DO 35+	1	DO 35-
	DO 36+	ı	DO 36-
	DO 37+		DO 37-
	DO 38+	1	DO 38-
	DO 39+		DO 39-
	DO 40+	i	DO 40-
_	DI 5+	i	DI 5-
	DI 6+		DI 6-
	DI 7+	1	DI 7-
	DI 8+		DI 8-
_	AO 7+	1	AO 7-
	AO 8+	i	AO 8-
	AO 9+		AO 9-
	AO 10+	· · · · · · · · · · · · · · · · · · ·	AO 10-
	AO 11+		AO 11-
	AO 12+		AO 12-

NOTES: 1. SEPARATE 24 VDC POWER PROVIDED FOR PANEL.

24 VDC-5

LEGEND

PANEL WIRING 2. — FIELD WIRING
3. UNFUSED TERMINAL
4. SUBJECT TERMINAL FUSED TERMINAL FEED THROUGH TERMINAL DISCONNECT TERMINAL

WIRE COLOR LEGEND 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT - : BLACK
5. ANALOG INPUT/OUTPUT + : WHITE
6. ANALOG LOOP: PURPLE

w	AB 0	TANDE OF	WILLIAM ACCULUDG NO LIADIZIMU BOD D	BDDADI	TOWING A	9 /07/10 10 1	4 1117	OO MARINAG
	Rev.	Soft Rev.	Revision Description	Ву	Date	Checked	Aprvd	
	0		ISSUED FOR APPROVAL	AK	17.05.2005	SC		
	1		PANEL SHOP AS BUILT	AK	19.07.2005	SC		Drawing Title
	2		SHOP AS BUILT	AK	06.09.2005	SC		
								Project Title
_								

0 VDC-5

FORT ENERGY C/O TRIDENT RC10323

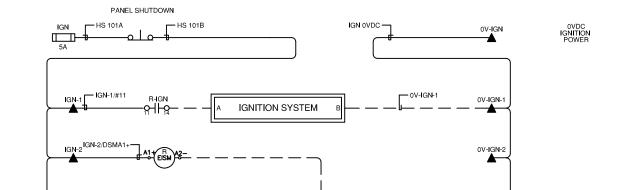
24 VDC POWER DISTRIBUTION LAYOUT DRAWING

Syntech

Syntech Drawing Number 5190111-05 1 of 1 050322 NTS

THIS DRAWING IS DESIGNED ENTIRELY FOR USE BY SYNTECH AND IS SOLE PROPERTY OF SYNTECH WHICH ASSUMES NO LIABILITY FOR REPRODUCTION OF THE DRAWING CONTENTS.

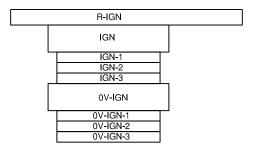
### **IGNITION DISTRIBUTION**



CAT EISM SD MODULE

CAT PLUG "AB" 2 PIN CONNECTOR

### **IGNITION TERMINAL LAYOUT**



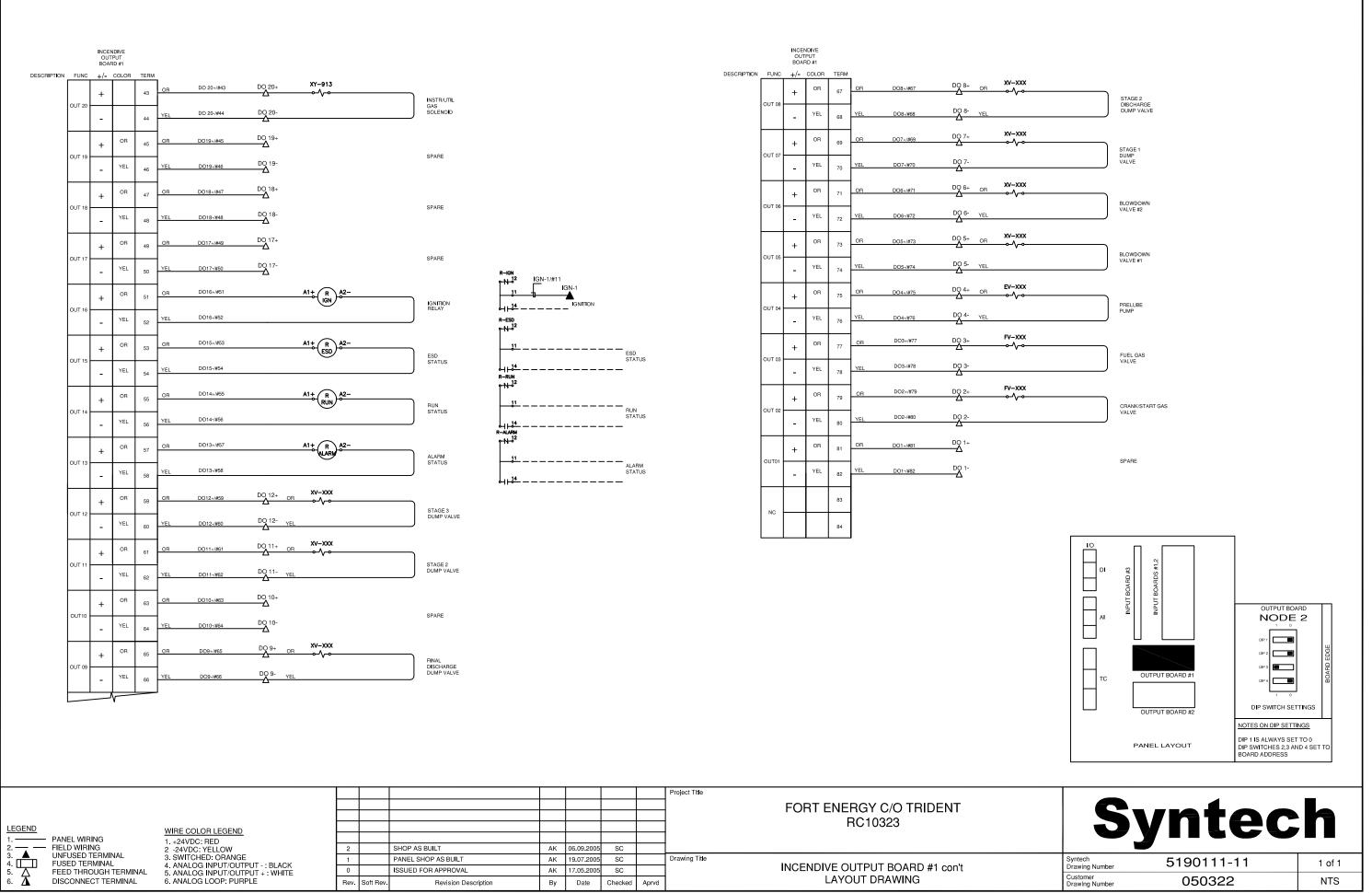
LEGEND  1. —— PANEL WIRING 2. — FIELD WIRING	WIRE COLOR LEGEND  1. +24VDC: RED 2 -24VDC: YELLOW	2	SHOP AS BUILT	AK	06.09.2005	SC	Project Title	FORT ENERGY C/O TRIDENT RC10323	S	ynted	:h
3. UNFUSED TERMINAL 4. THE FUSED TERMINAL	3. SWITCHED: ORANGE 4. ANALOG INPUT/OUTPUT - : BLACK	1	PANEL SHOP AS BUILT		19.07.2005		Drawing Title	IONITION DOWED DICTRIBUTION	Syntech Drawing Number	5190111-06	1 of 1
5. A FEED THROUGH TERMINAL	<ol><li>ANALOG INPUT/OUTPUT + : WHITE</li></ol>	0	ISSUED FOR APPROVAL	AK	17.05.2005	SC	_	IGNITION POWER DISTRIBUTION	Drawing Number Customer		
6. 🛕 DISCONNECT TERMINAL	6. ANALOG LOOP: PURPLE	Rev. Soft Rev	Revision Description	Ву	Date	Checked Aprvd		LAYOUT DRAWING	Customer Drawing Number	050322	NTS

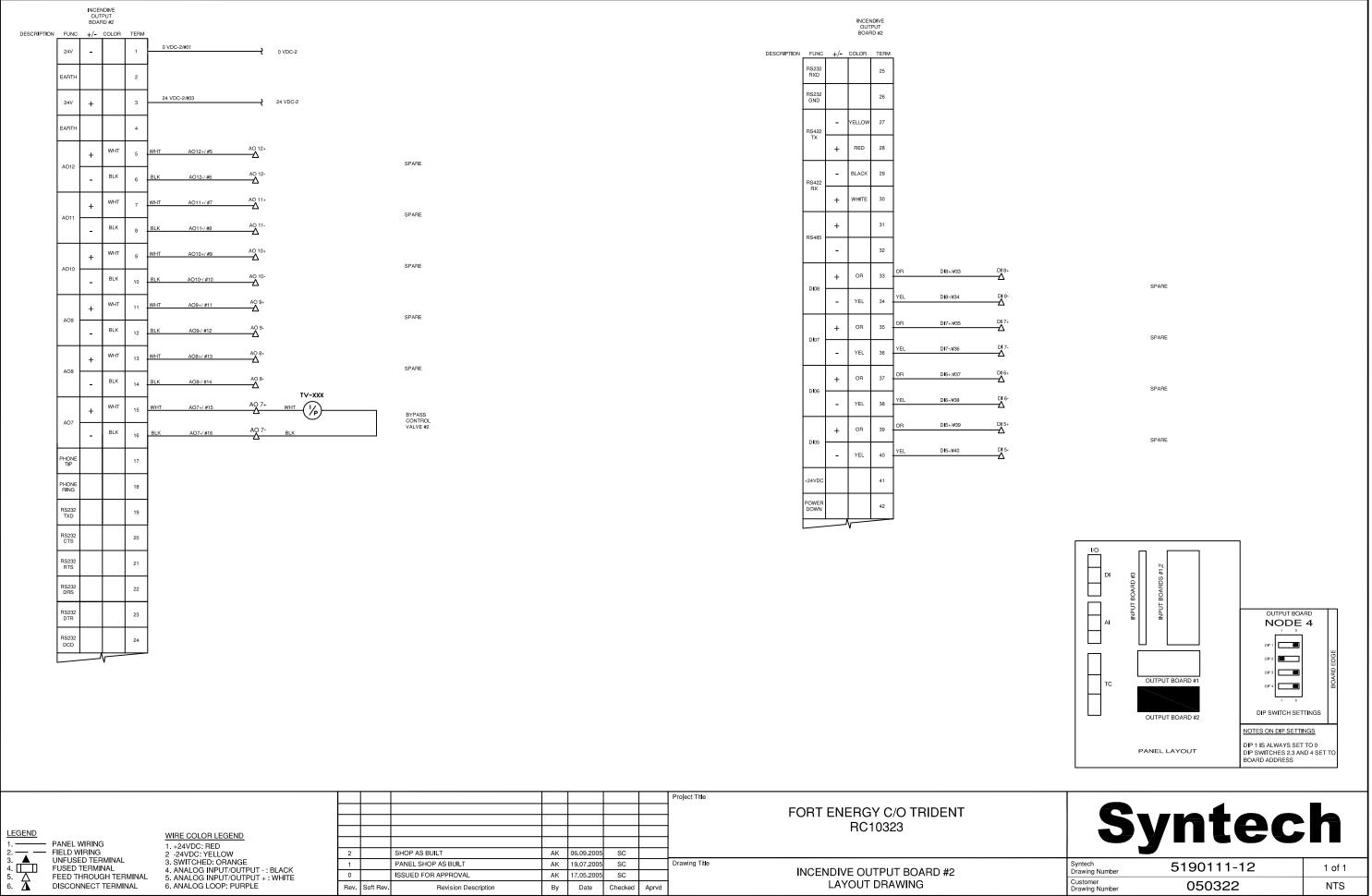
+24 VDC IGNITION POWER

DESCRIPTION FUNC +/- COLOR TERM DESCRIPTION FUNC +/- COLOR TERM 24 VDC-1/#03 — 24 VDC-1 LOUVER 2 CONTROL VALVE NOTE 1 TY-XXX LOUVER 1 CONTROL VALVE REMOTE ESD SUCTION CONTROL VALVE NOTE 2 REMOTE STOP XXX-Y2 PIN "A" (FROM PLUG "ABCDEFG")

EISM

11 12 ENGINE GOVERNOR CAT EISM SD NODE 2 DIP 2 DIP 3 OUTPUT BOARD #1 DIP 4 DIP SWITCH SETTINGS OUTPUT BOARD #2 NOTES ON DIP SETTINGS DIP 1 IS ALWAYS SET TO 0 DIP SWITCHES 2,3 AND 4 SET TO BOARD ADDRESS PANEL LAYOUT Project Title NOTES: 1. NOT FOR CUSTOMER USE. Syntech FORT ENERGY C/O TRIDENT 2. COMPLETE WITH POSITIONER. RC10323 LEGEND WIRE COLOR LEGEND 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT -: BLACK
5. ANALOG INPUT/OUTPUT +: WHITE PANEL WIRING SHOP AS BUILT 06.09.2005 PANEL SHOP AS BUILT AK 19.07.2005 SC Drawing Title Syntech Drawing Number 5190111-10 1 of 1 FUSED TERMINAL FEED THROUGH TERMINAL **INCENDIVE OUTPUT BOARD #1** SC ISSUED FOR APPROVAL AK 17.05.2005 Customer Drawlng Number LAYOUT DRAWING DISCONNECT TERMINAL 6. ANALOG LOOP: PURPLE 050322 NTS Revision Description Ву Date Checked

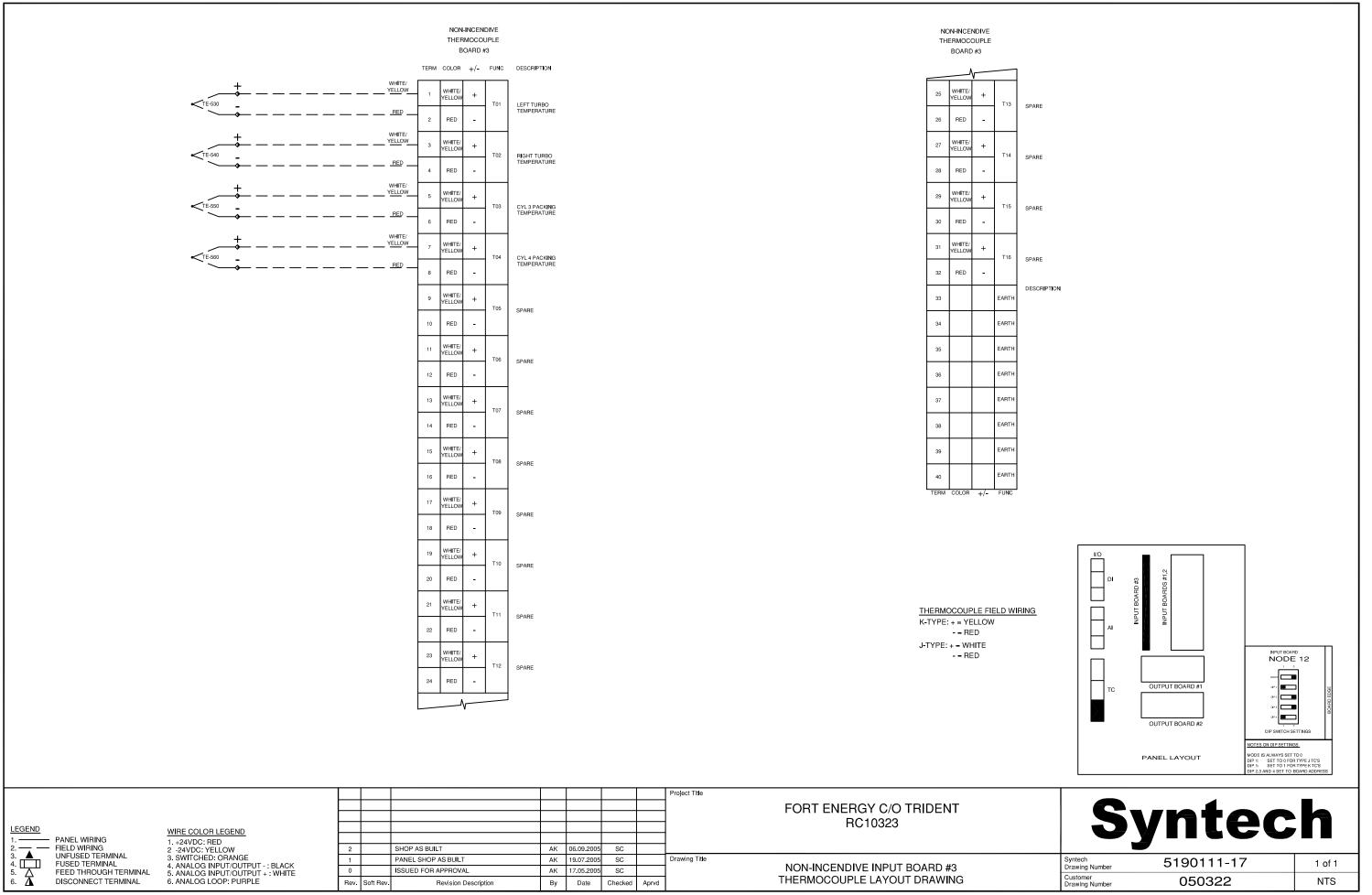


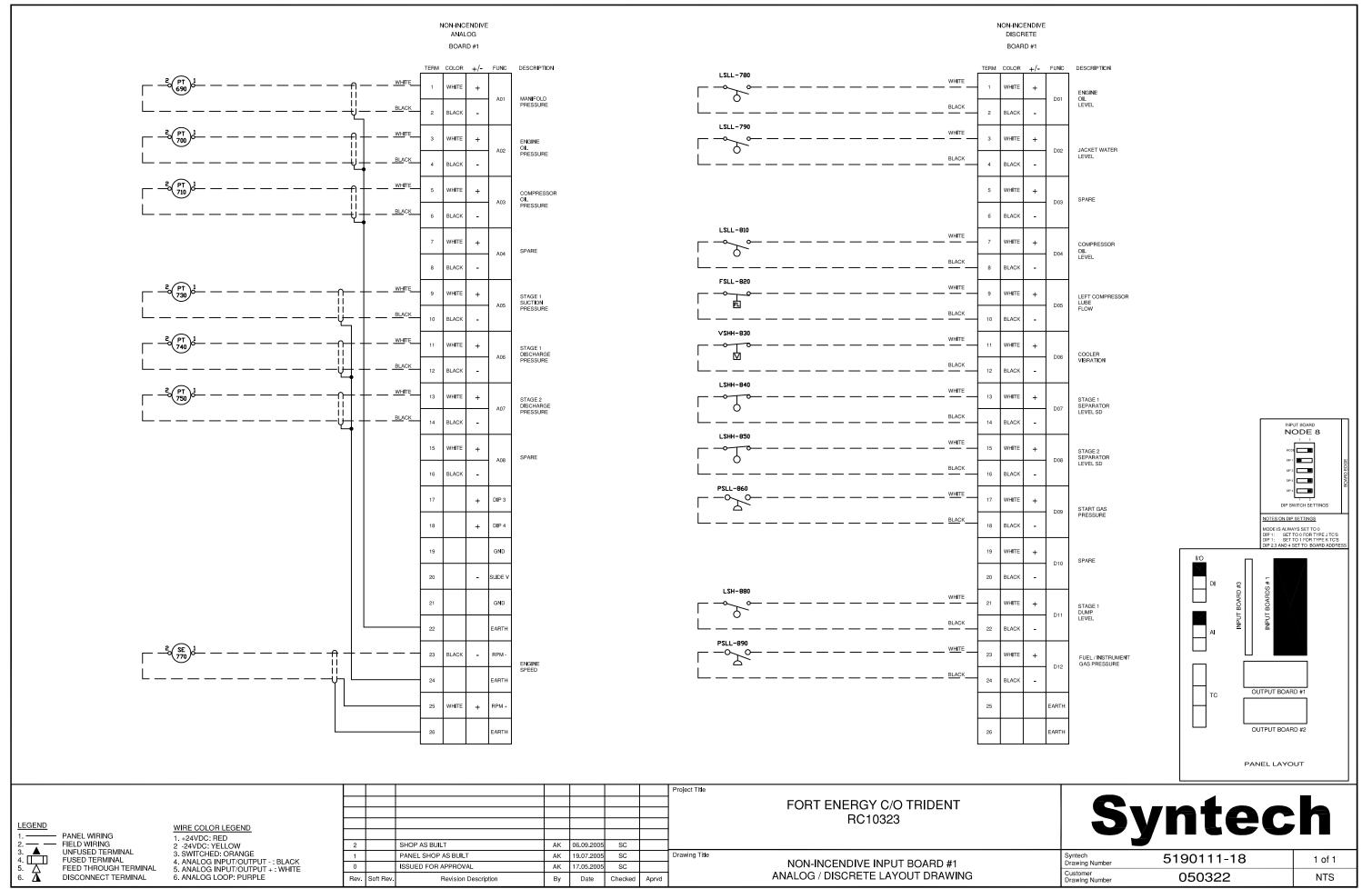


DESCRIPTION FUNC +/- COLOR TERM DESCRIPTION FUNC +/- COLOR TERM DO 40+/#43 SPARE SPARE YEL SPARE SPARE SPARE YEL SPARE DO23+/#77 SPARE DO23-/#78 DO35-/#54 YEL OR SPARE YEL OR OR SPARE YEL SPARE OUTPUT BOARD NODE 4 SPARE YEL DIP 2 SPARE OUTPUT BOARD #1 DIP SWITCH SETTINGS OUTPUT BOARD #2 NOTES ON DIP SETTINGS DIP 1 IS ALWAYS SET TO 0 PANEL LAYOUT DIP SWITCHES 2,3 AND 4 SE BOARD ADDRESS Project Title Syntech FORT ENERGY C/O TRIDENT RC10323 LEGEND WIRE COLOR LEGEND PANEL WIRING 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT - : BLACK
5. ANALOG INPUT/OUTPUT + : WHITE
6. ANALOG LOOP: PURPLE 2. — FIELD WIRING
3. A UNFUSED TERMINAL SHOP AS BUILT PANEL SHOP AS BUILT SC Drawing Title AK 19.07.2005 Syntech Drawing Number 5190111-14 1 of 1 FUSED TERMINAL FEED THROUGH TERMINAL INCENDIVE OUTPUT BOARD #2 con't SC ISSUED FOR APPROVAL AK 17.05.2005 Customer Drawlng Number LAYOUT DRAWING DISCONNECT TERMINAL 050322 NTS Revision Description Ву Date Checked

NON-INCENDIVE NON-INCENDIVE THERMOCOUPLE THERMOCOUPLE BOARD #1 BOARD #1 TERM COLOR +/- FUNC DESCRIPTION CYL 1 PACK**IN**G TEMPERATURE MANIFOLD TEMPERATURE AUXILIARY COOLANT TEMPERATURE CYL 2 PACK**IN**G TEMPERATURE JACKET WATER OUT TEMPERATURE AFTER COOLER TEMPERATURE ENGINE OIL TEMPERATURE COMPRESSOR OIL OUT TEMPERATURE DESCRIPTION COMPRESSOR O**I**L TEMPERATURE STAGE 1 SUCTION TEMPERATURE INTER COOLER TEMPERATURE 1 CYL 3 DISCHARGE TEMPERATURE THERMOCOUPLE FIELD WIRING K-TYPE: + = YELLOW - = RED NODE 8 J-TYPE: + = WHITE - = RED (FUTURE) CYL 4 DISCHARGE TEMPERATURE OUTPUT BOARD #1 DIP 2 S OUTPUT BOARD #2 NOTES ON DIP SETTINGS PANEL LAYOUT Project Title FORT ENERGY C/O TRIDENT RC10323 LEGEND WIRE COLOR LEGEND PANEL WIRING 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT - : BLACK
5. ANALOG INPUT/OUTPUT + : WHITE
6. ANALOG LOOP: PURPLE FIELD WIRING
UNFUSED TERMINAL
FUSED TERMINAL
FEED THROUGH TERMINAL SHOP AS BUILT PANEL SHOP AS BUILT Drawing Title AK 19.07.2005 SC Syntech Drawing Number 5190111-15 1 of 1 NON-INCENDIVE INPUT BOARD #1 ISSUED FOR APPROVAL AK 17.05.2005 SC Customer Drawlng Number THERMOCOUPLE LAYOUT DRAWING DISCONNECT TERMINAL 050322 NTS Revision Description Ву Date Checked

NON-INCENDIVE NON-INCENDIVE THERMOCOUPLE THERMOCOUPLE BOARD #2 BOARD #2 TERM COLOR +/- FUNC DESCRIPTION CYLINDER 1 EXHAUST TEMPERATURE CYLINDER 13 EXHAUST TEMPERATURE CYLINDER 2 EXHAUST TEMPERATURE CYLINDER 14 EXHAUST TEMPERATURE CYLINDER 15 EXHAUST TEMPERATURE CYLINDER 4 EXHAUST TEMPERATURE CYLINDER 16 EXHAUST TEMPERATURE DESCRIPTION CYLINDER 5 EXHAUST TEMPERATURE CYLINDER 6 EXHAUST TEMPERATURE CYLINDER 7 EXHAUST TEMPERATURE CYLINDER 8 EXHAUST TEMPERATURE CYLINDER 9 EXHAUST TEMPERATURE WHITE/ CYLINDER 10 EXHAUST TEMPERATURE CYLINDER 11 EXHAUST TEMPERATURE THERMOCOUPLE FIELD WIRING K-TYPE: + = YELLOW - = RED J-TYPE: + = WHITE - = RED NODE 10 CYLINDER 12 EXHAUST TEMPERATURE OUTPUT BOARD #1 OUTPUT BOARD #2 OTES ON DIP SETTINGS MODE IS ALWAYS SET TO 0
DIP 1: SET TO 0 FOR TYPE J TC'S
DIP 1: SET TO 1 FOR TYPE K TC'S
DIP 2,3 AND 4 SET TO BOARD ADDRE Project Title Syntech FORT ENERGY C/O TRIDENT RC10323 LEGEND WIRE COLOR LEGEND PANEL WIRING 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT - : BLACK
5. ANALOG INPUT/OUTPUT + : WHITE
6. ANALOG LOOP: PURPLE 2. — FIELD WIRING
3. A UNFUSED TERMINAL
4. I FUSED TERMINAL
5. A FEED THROUGH TERMINAL SHOP AS BUILT PANEL SHOP AS BUILT AK 19.07.2005 SC Drawing Title Syntech Drawing Number 5190111-16 1 of 1 NON-INCENDIVE INPUT BOARD #2 SC ISSUED FOR APPROVAL AK 17.05.2005 Customer Drawlng Number THERMOCOUPLE LAYOUT DRAWING DISCONNECT TERMINAL 050322 NTS Revision Description Ву Date Checked THIS DRAWING IS DESIGNED ENTIRELY FOR USE BY SYNTECH AND IS SOLE PROPERTY OF SYNTECH WHICH ASSUMES NO LIABILITY FOR REPRODUCTION OF THE DRAWING CONTENTS.





NON-INCENDIVE NON-INCENDIVE ANALOG DISCRETE BOARD #2 BOARD #2 TERM COLOR +/- FUNC DESCRIPTION TERM COLOR +/- FUNC DESCRIPTION LSLL-970 SPARE FSLL-1010 RIGHT COMPRESOR LUBE FLOW LSHH-1020 STG 2 DISCHARGE SEPARATOR LEVEL SD COMPRESSOR VIBRATION LSH-1030 STG 2 DISCHARGE SEPARATOR DUMP SPARE NODE 10 MOOL CHP 1

MP 2

MP 3

MP 4

MP 4 FINAL 2 DISCHARGE SEPARATOR LEVEL SD SPARE DIP SWITCH SETTINGS FINAL 2 DISCHARGE SEPARATOR DUMP NOTES ON DIP SETTINGS MODE IS ALWAYS SET TO 0
DIP 1: SET TO 0 FOR TYPE J TO'S
DIP 1: SET TO 1 FOR TYPE K TO'S
DIP 2,3 AND 4 SET TO BOARD ADDRES GND VHITE SPARE SPARE SPARE OUTPUT BOARD #1 OUTPUT BOARD #2 PANEL LAYOUT Project Title Syntech FORT ENERGY C/O TRIDENT RC10323 LEGEND WIRE COLOR LEGEND 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT -: BLACK
5. ANALOG INPUT/OUTPUT +: WHITE PANEL WIRING 2. — FIELD WIRING
3. A UNFUSED TERMINAL SHOP AS BUILT PANEL SHOP AS BUILT Drawing Title AK 19.07.2005 SC Syntech Drawing Number 5190111-19 1 of 1 FUSED TERMINAL FEED THROUGH TERMINAL NON-INCENDIVE INPUT BOARD #2 ISSUED FOR APPROVAL AK 17.05.2005 SC ANALOG / DISCRETE LAYOUT DRAWING DISCONNECT TERMINAL 6. ANALOG LOOP: PURPLE 050322 NTS Revision Description By Date Checked

NON-INCENDIVE NON-INCENDIVE ANALOG DISCRETE BOARD #3 BOARD #3 TERM COLOR +/- FUNC DESCRIPTION TERM COLOR +/- FUNC DESCRIPTION WHITE WHITE SPARE BLACK WHITE WHITE SPARE BLACK BLACK WHITE BLACK WHITE WHITE SPARE BLACK BLACK WHITE WHITE SPARE BLACK BLACK WHITE WHITE SPARE SPARE INPUT BOARD NODE 12 MODE DIP 1 DIP 2 DIP 4 DIP 4 DIP 4 DIP 5 DIP 5 SPARE NOTES ON DIP SETTINGS MODE IS ALWAYS SET TO 0
DIP 1: SET TO 0 FOR TYPE J TC'S
DIP 1: SET TO 1 FOR TYPE K TC'S
DIP 2,3 AND 4 SET TO BOARD ADDRES GND WHITE SLIDE V GND WHITE SPARE EARTH BLACK RPM -WHITE SPARE EARTH OUTPUT BOARD #1 RPM + WHITE OUTPUT BOARD #2 PANEL LAYOUT Project Title Syntech FORT ENERGY C/O TRIDENT RC10323 LEGEND WIRE COLOR LEGEND 1. +24VDC: RED
2 -24VDC: YELLOW
3. SWITCHED: ORANGE
4. ANALOG INPUT/OUTPUT -: BLACK
5. ANALOG INPUT/OUTPUT +: WHITE PANEL WIRING 2. — FIELD WIRING
3. UNFUSED TERMINAL
4. FUSED TERMINAL SHOP AS BUILT AK 06.09.2005 PANEL SHOP AS BUILT AK 19.07.2005 SC Drawing Title Syntech Drawing Number 5190111-20 FUSED TERMINAL FEED THROUGH TERMINAL NON-INCENDIVE INPUT BOARD #3 SC ISSUED FOR APPROVAL AK 17.05.2005 ANALOG / DISCRETE LAYOUT DRAWING DISCONNECT TERMINAL 6. ANALOG LOOP: PURPLE 050322 NTS Revision Description By Date Checked