

REF DES	CONT	SH/ZONE	DESCRIPTION	REF DES	CONT	SH/ZONE	DESCRIPTION	REF DES	CONT	SH/ZONE	DESCRIPTION	
A	REF DES	CONT	SH/ZONE	DESCRIPTION	REF DES	CONT	SH/ZONE	DESCRIPTION	REF DES	CONT	SH/ZONE	DESCRIPTION
	2			REFERENCE DESIGNATOR INDEX	05110	14/04		LIGHT, STARTING	K202	A	30/04	CONTACT, SHUTDOWN SUMMARY (GENERATOR CIRCUIT BREAKER TRIP)
	3			REFERENCE DESIGNATOR INDEX	05111	15/04		LIGHT, STOPPING	K202	B	29/04	CONTACT, SHUTDOWN SUMMARY (GENERATOR CIRCUIT BREAKER TRIP)
	4			REFERENCE DESIGNATOR INDEX	05113	15/04		LIGHT, COOLDOWN	K205	B	30/03	RELAY, MAIN (UTILITY) BREAKER CLOSED AUXILIARY
	5			CABLE SPECIFICATION	05124	16/44		LIGHT, BACKUP ACTIVE	K205	C	28/45	CONTACT, MAIN (UTILITY) BREAKER CLOSED AUXILIARY
	6			PLC SYSTEM COMPONENTS CHASSIS #1 NODE 5	05124	13/44		LIGHT, ONLINE WASH	K205	D	30/03	CONTACT, MAIN (UTILITY) BREAKER CLOSED AUXILIARY
	7			PLC SYSTEM COMPONENTS NODE 3 NODE 4 NODE 6	05129	12/04		LIGHT, ON LOAD	K206	A	30/03	RELAY, TRIP CONTROL (GENERATOR CIRCUIT BREAKER)
	8			PLC SYSTEM COMPONENTS NODE 5 NODE 6	05129	12/04		LIGHT, SHUTDOWN SUMMARY	K207	A	30/03	RELAY, TRIP CONTROL (GENERATOR CIRCUIT BREAKER)
	9			PLC SYSTEM COMPONENTS CONTROL NET AND FLEX POWER DISTRIBUTION	05129	12/04		LIGHT, SHUTDOWN SUMMARY	K207	A	30/03	RELAY, TRIP CONTROL (GENERATOR CIRCUIT BREAKER)
	10			PANELS COMPONENTS PLC SYSTEM, FAMS, AND GROUNDING CONNECTIONS	05177	05/16		LIGHT, READY TO LOAD	K207	A	29/03	CONTACT, CLOSE CONTROL (GENERATOR CIRCUIT BREAKER)
	11			POWER DISTRIBUTION	05186	32/04		LIGHT, READY TO LOAD	K207	A	29/03	CONTACT, CLOSE CONTROL (GENERATOR CIRCUIT BREAKER)
	12			ANNUNCIATION, RESET AND LAMP TEST	05190	13/04		LIGHT, WATER WASH	K212	A	16/44	CONTACT, EMERGENCY STOP (LOCAL)
	13			TURBINE TEST CRANK, AC VARIABLE SPEED START AND WATER WASH	05191	31/44		LIGHT, SPEED 150CH	K212	B	16/44	CONTACT, EMERGENCY STOP (LOCAL)
	14			TURBINE START	05192	31/44		LIGHT, SPEED PROOP	K213	A	16/44	CONTACT, EMERGENCY STOP (REMOTE)
	15			TURBINE NORMAL STOP	05193	13/44		LIGHT, TEST CRANK OFF/ON	K213	B	16/44	CONTACT, EMERGENCY STOP (REMOTE)
	16			TURBINE EMERGENCY STOP AND BACKUP SYSTEM RESET	05300-1	42/78		LIGHT, ENCLOSURE	K214	A	16/44	RELAY, BACKUP SYSTEM RESET
	17			MASS FUEL PUMP, GAS FUEL FILTER	05300-2	42/78		LIGHT, ENCLOSURE	K214	B	16/44	RELAY, BACKUP SYSTEM RESET
	18			TURBINE TEST CRANK, AC VARIABLE SPEED START AND WATER WASH	05301	31/44		LIGHT, SPEED 150CH	K214	A	16/44	CONTACT, EMERGENCY STOP (LOCAL)
	19			TURBINE GAS FUEL SUPPLY	05338-44	44/48		LIGHT, STROBE (LEFT)	K214	B	16/44	CONTACT, EMERGENCY STOP (LOCAL)
	20			TURBINE IGNITOR/TORCH AND ENGINE FUEL VALVE X	05338-44	44/48		LIGHT, STROBE (RIGHT)	K214	C	24/74	CONTACT, BACKUP SYSTEM RESET
	21			TURBINE FUEL VALVE BLEED VALVE AND GUIDE VANE CONTROL	E340	20/78		PLUG, 10NTR	K214	D	34/07	CONTACT, BACKUP SYSTEM RESET
	22			TURBINE AIR INLET, FUEL CONTROL	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	A	30/03	RELAY, CIRCUIT BREAKER CLOSED
	23			TURBINE SPEED AND BACKUP OVERSPEED	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	B	28/45	CONTACT, CIRCUIT BREAKER CLOSED
	24			TURBINE THRUST BEARING TEMPERATURE	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	C	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	25			TURBINE THRUST BEARING TEMPERATURE	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	D	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	26			VIBRATION GAS TURBINE, GEARBOX AND GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	E	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	27			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	F	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	28			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	G	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	29			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	H	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	30			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	I	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	31			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	J	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	32			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	K	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	33			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	L	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	34			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	M	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	35			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	N	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	36			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	O	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	37			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	P	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	38			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	Q	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	39			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	R	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	40			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	S	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	41			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	T	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	42			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	U	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	43			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	V	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	44			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	W	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	45			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	X	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	46			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	Y	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	47			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	Z	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	48			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AA	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	49			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AB	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	50			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AC	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	51			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AD	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	52			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AE	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	53			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AF	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	54			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AG	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	55			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AH	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	60			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AM	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	61			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AN	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	62			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AO	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	63			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AP	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	64			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AQ	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	65			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AR	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	66			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AS	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	71			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AX	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	72			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AY	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	73			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	AZ	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	74			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BA	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	77			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BD	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	78			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BE	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	86			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BM	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	87			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BN	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	88			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BO	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	89			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BP	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	90			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BQ	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	93			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BT	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	94			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BU	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	95			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BV	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	99			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	BZ	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	100			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CA	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	103			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CD	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	105			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CF	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	107			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CH	30/03	CONTACT, CIRCUIT BREAKER CLOSED
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	109			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CJ	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	110			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CK	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	111			GENERATOR	E340	20/78		ACTUATOR, ELECTRONIC FUEL	K219	CL	30/03	CONTACT, CIRCUIT BREAKER CLOSED
	112											

[illegible]

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PE201-3

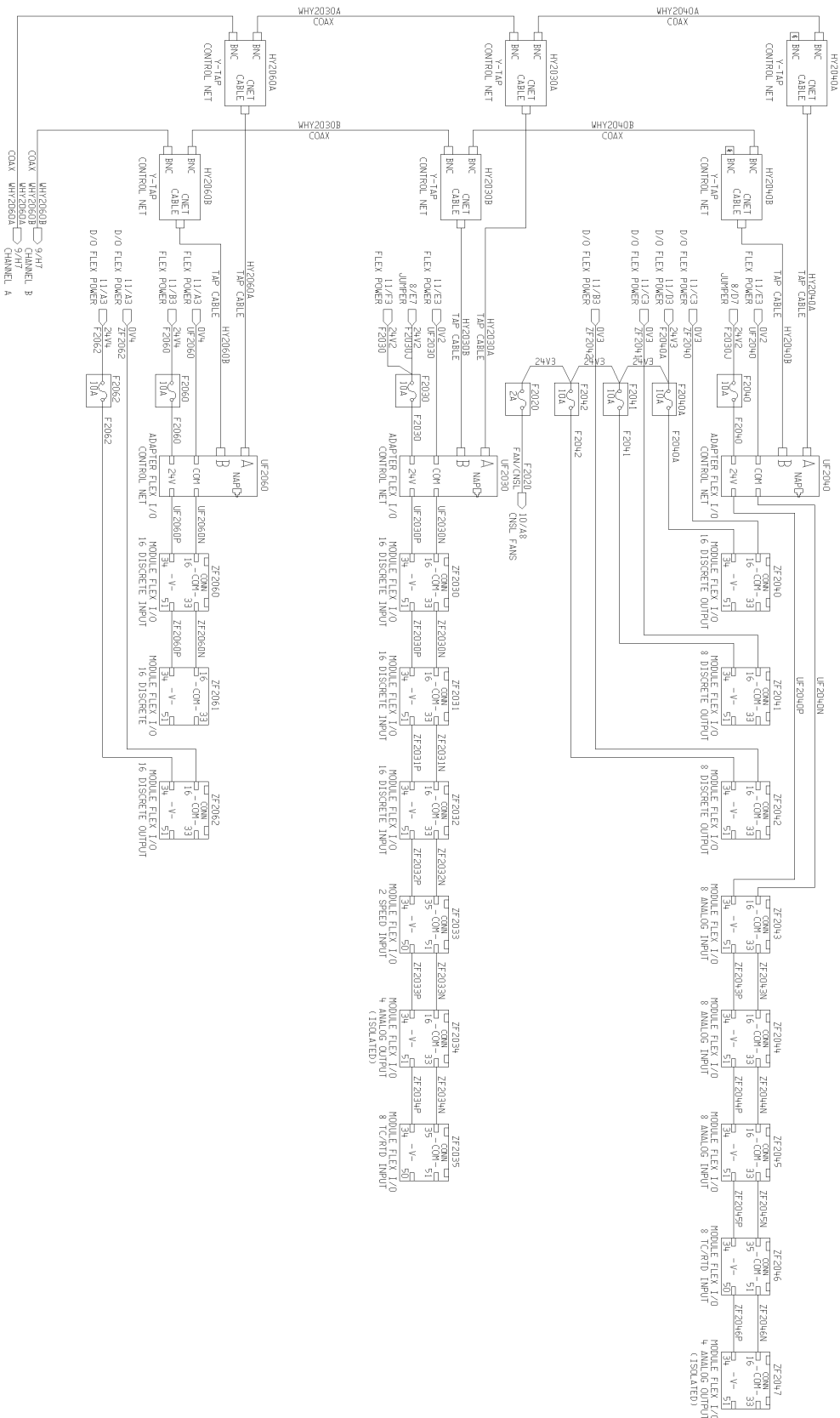
PE201-365

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11

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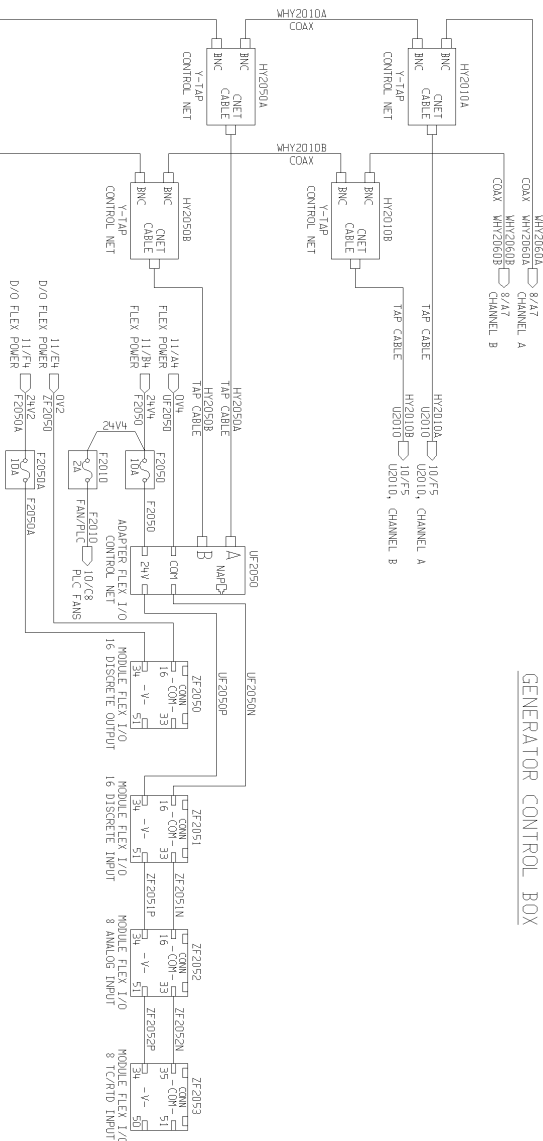
TURBINE CONTROL BOX



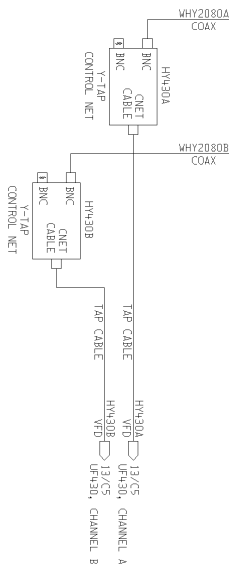
PLC SYSTEM COMPONENTS
CONTROL NET AND FLEX
POWER DISTRIBUTION

GENERATOR CONTROL BOX

NOTES



MOTOR CONTROL CENTER (MCC)



PLC SYSTEM COMPONENTS
CONTROL NET AND FLEX
POWER DISTRIBUTION

Solar Turbines
A Turbine Company

PLANTING NO.
59111-1149480

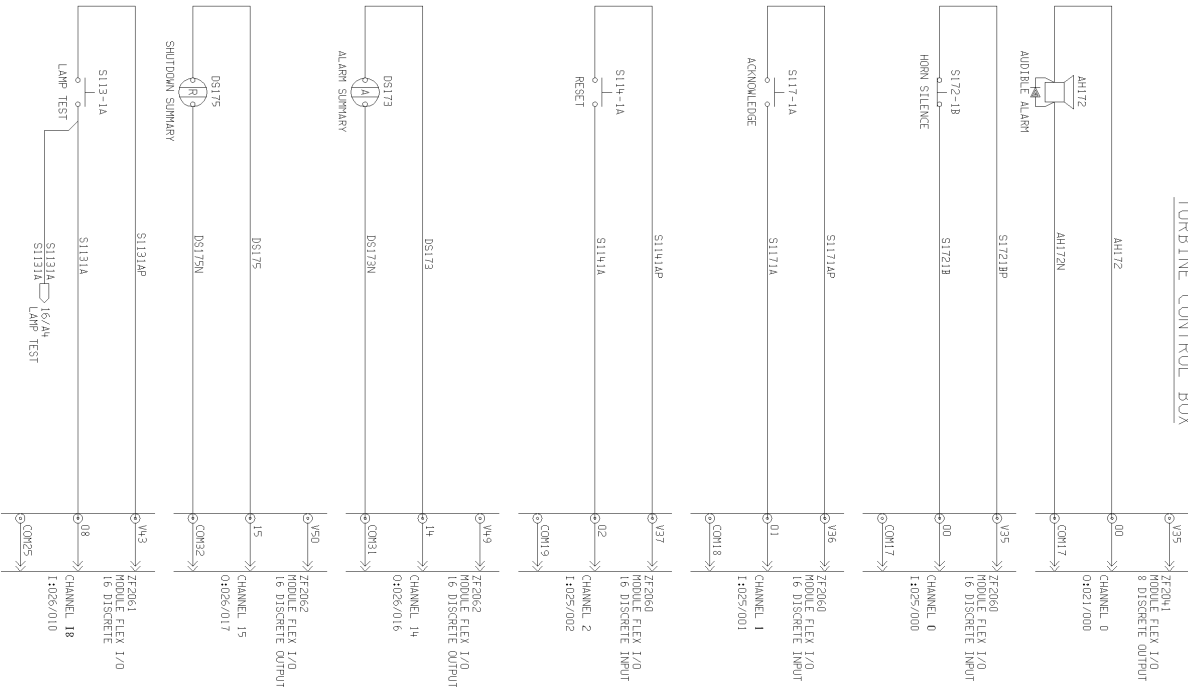
REV. CO
01/17

THIS IS A WARNING: READ AND UNDERSTAND ALL INSTRUCTIONS AND SAFETY WARNINGS BEFORE USING ANY OF THE EQUIPMENT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS INJURY. ALWAYS USE COMMON SENSE AND CAUTION WHEN USING ANY EQUIPMENT.

1

59111-149480

SHEET 10



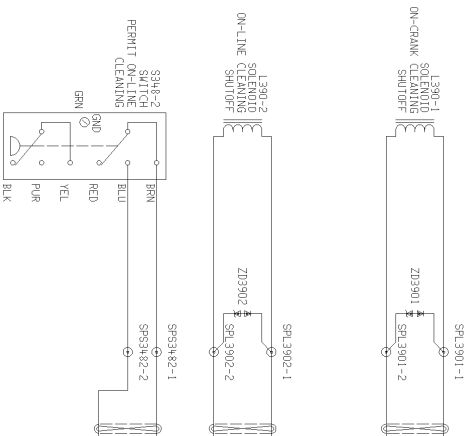
ANNUNCIATION, RESET
AND LAMP TEST

Solar Turbines
A Turbine Engine

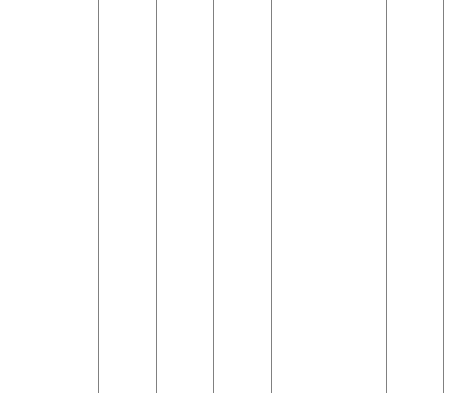
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59111-149480

REV B0
DATE 07/04/17

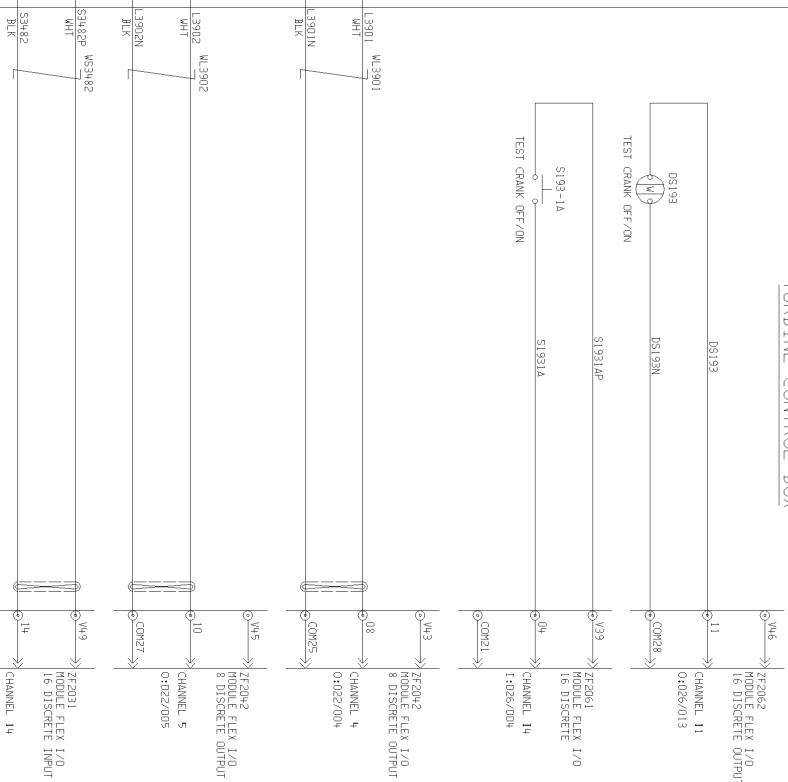
TURBINE SKID



MOTOR CONTROL CENTER



TURBINE CONTROL BOX



NOTES

- 8 SOLAR FURNISHED, LOOSE SHIPPED, FOR SITE INSTALLATION BY OTHERS, UNLESS OTHERWISE NOTED.

VFD SETTINGS		
PARAMETER NUMBER	PARAMETER NAME	PARAMETER VALUE
P.008	CONTROL TYPE	UH
P.060	MODE NUMBER	10
P.000	CONTROL SOURCE	OP

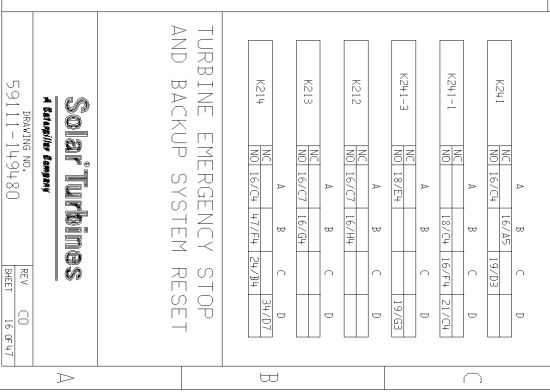
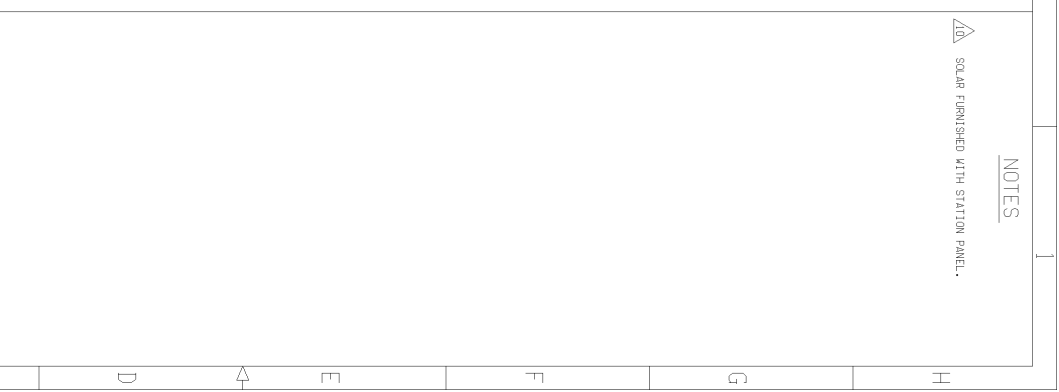
TURBINE TEST CRANK, AC
VARIABLE SPEED START
AND WATER WASH

Solar Turbines
A Caterpillar Company

DRAWING NO.

DRAWING NO.	REV	CO
59111-149480		

2011 17200	SHEET 13 OF 41
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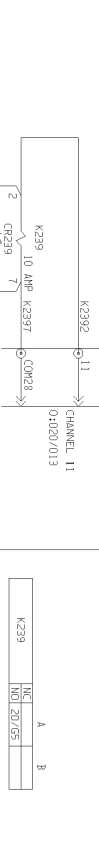
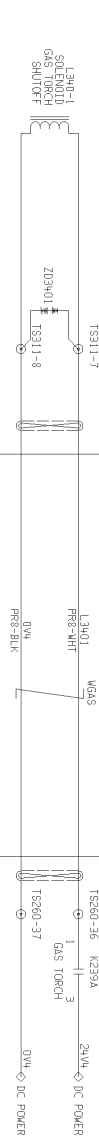


TURBINE SKID

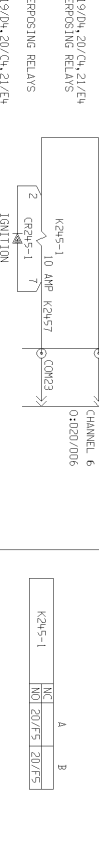
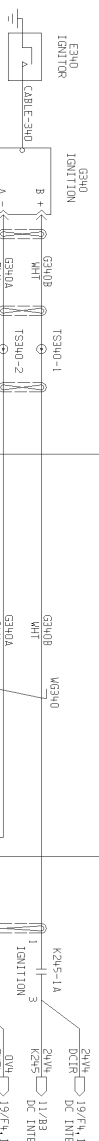
TURBINE CONTROL BOX

NOTES

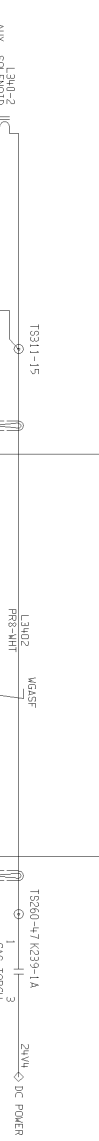
CONNECT FLEX ANALOG INPUT SHIELDS TO SHIELD BUS BAR, 400 14 AWG GRN/YEL WIRE TO CONNECT SHIELD BUS BAR TO IE200.



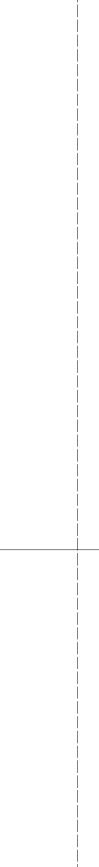
INC	A	B
K239	NO	20/75



INC	A	B
K239-1	NO	20/75



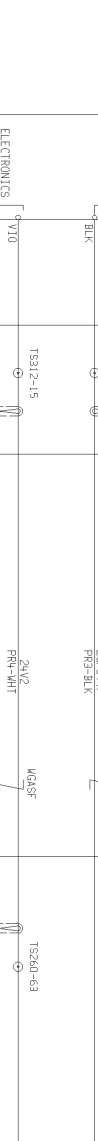
INC	A	B
K239-1	NO	20/75



INC	A	B
K239-1	NO	20/75



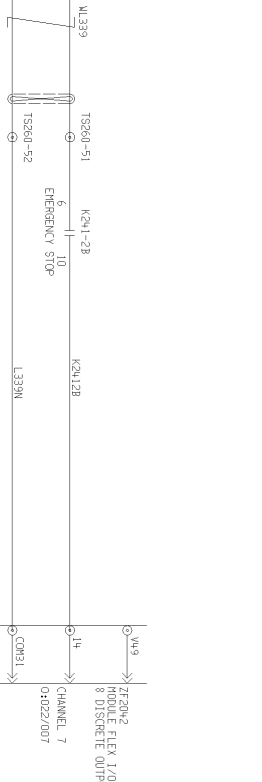
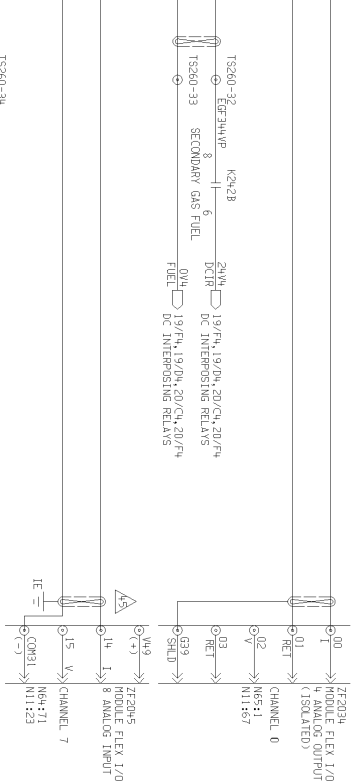
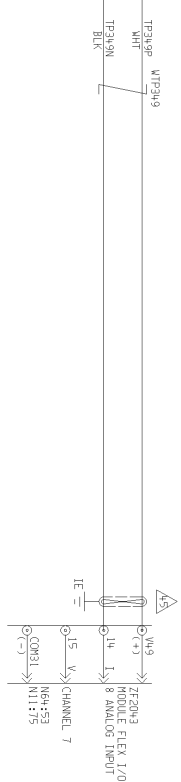
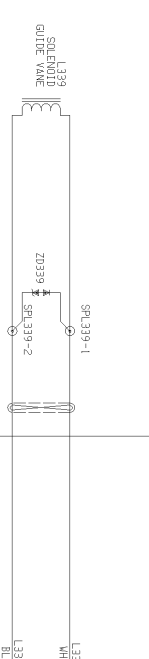
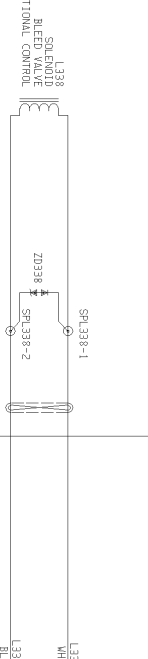
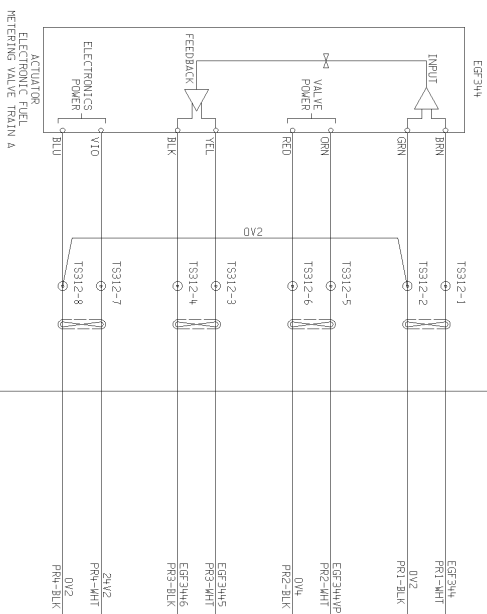
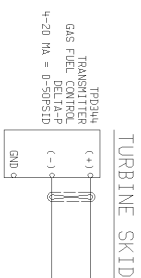
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K239-1	NO	20/75



INC	A	B
K239-1	NO	20/75



INC</



NOTES

TURBINE FUEL VALVE
BLEED VALVE AND
GUIDE VANE CONTROL

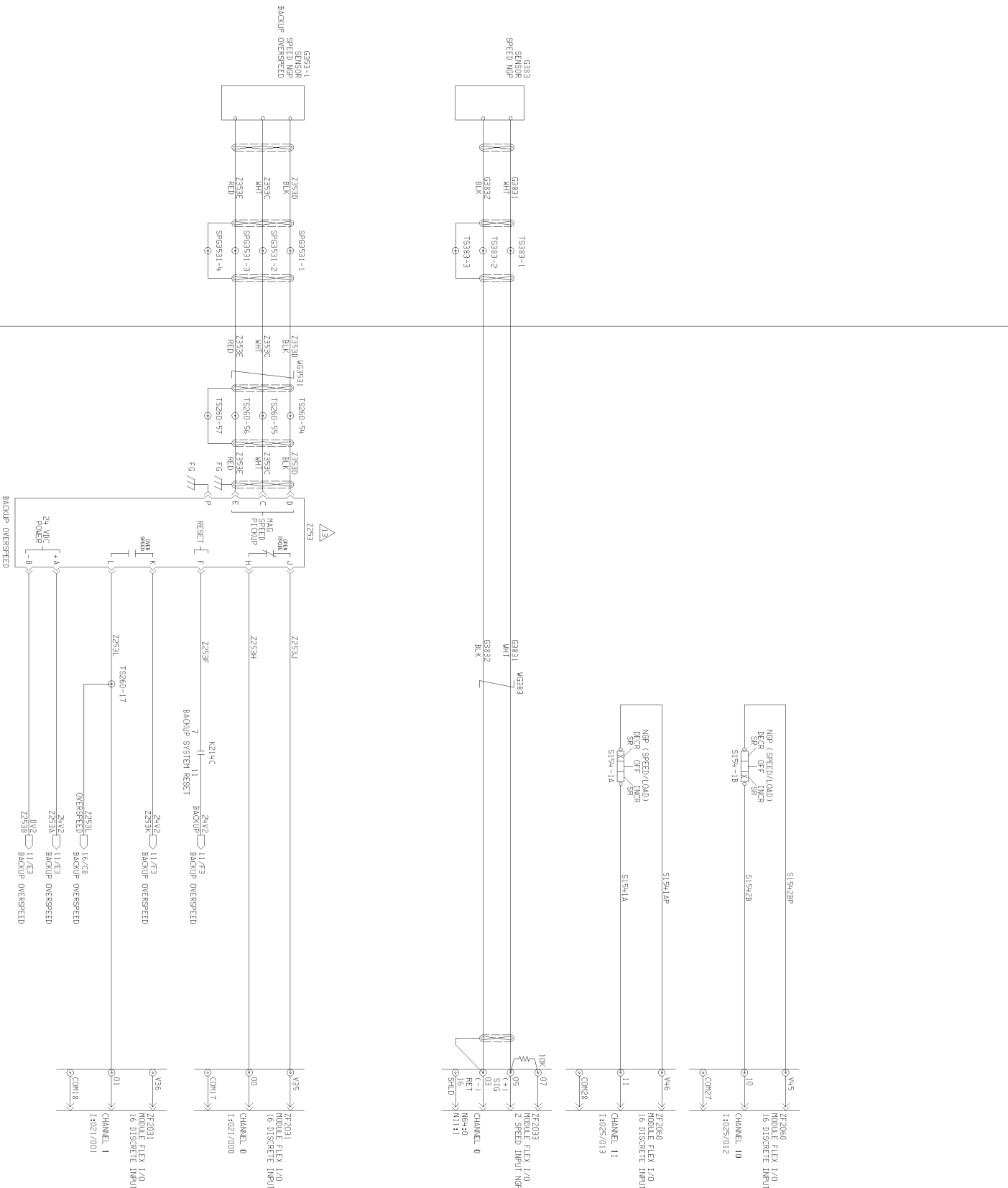
Solar Turbines

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SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT SPR1339-3				R1339 WHT SPR1339-4				R1339 WHT SPR1339-1				R1339 WHT SPR1339-2				R1339 WHT 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CONTACTS TRANSFER UPON APPLICATION OF POWER/
LOCAL RESET SIGNAL.



TURBINE SPEED AND BACKUP OVERSPEED					
<div>Solar Turbines A Turbine Company</div>					
ENGINE SPEED					
GAS PRODUCER (GP)					
RATED AT 60 HZ					
TOPPING 105%					
SHUTDOWN 108%					
100% SPEED 9967 HZ 14951 RPM					
BACKUP OVERSPEED SETTINGS					
PINS (X-H)		PINS (X-L)			
15% 1235.4 HZ		110% 9045 HZ			
DRAWING NO.					
REV					
CD					

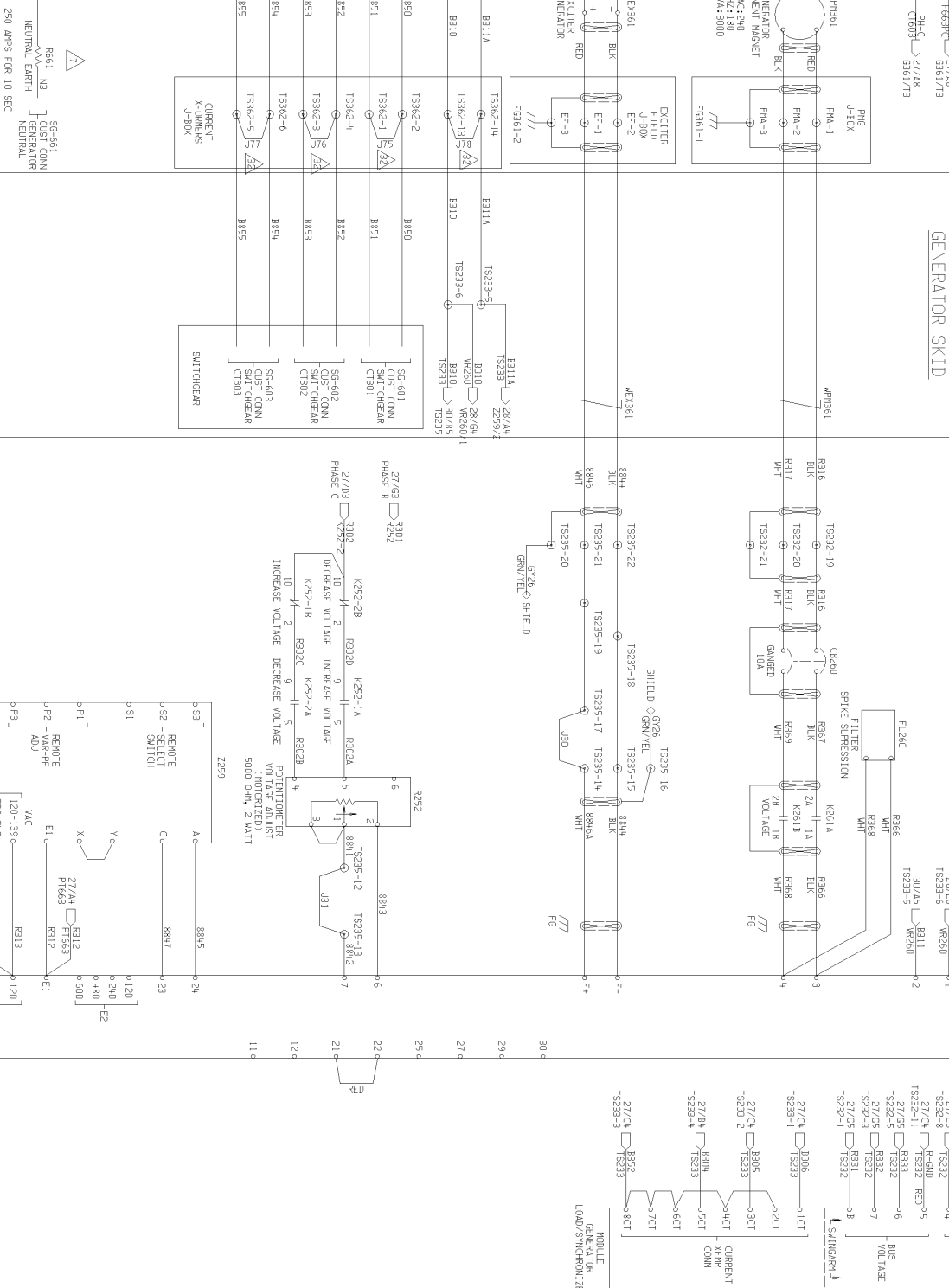
GENERATOR HOUSING

CUSTOMER CONNECTION

GENERATOR CONTROL BOX

NOTES

- CUSTOMER FURNISHED, SQUARE TERMINAL BOX, MOUNTED IN GENERATOR HOUSING.
- SECONDARY WINDINGS SHORTED TO PROTECT CURRENT TRANSFORMER FROM OVERHEATING. WINDING CURRENTS AFTER INSTALLING INTERCONNECT WIRING.



GENERATOR

GENERATOR RATING SELECTION	
RATING WATTS: 5000 KW	VOLTS: 4160 V
FREQUENCY: 60 HZ	PF: 0.8
TYPE: CURRENT TRANSFORMER	
BURDEN: B-1	ACCURACY: 0.6

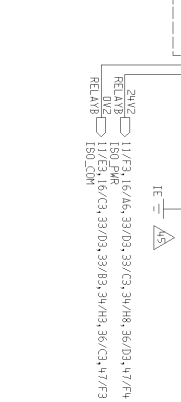
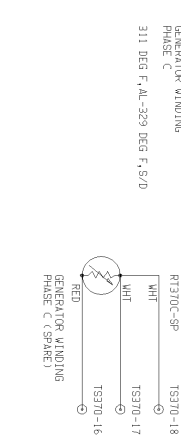
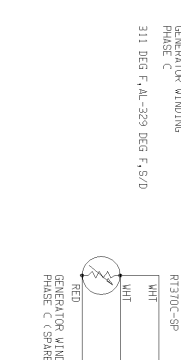
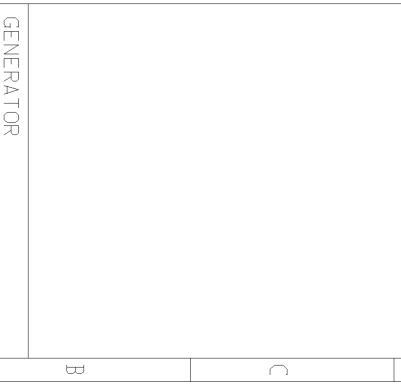
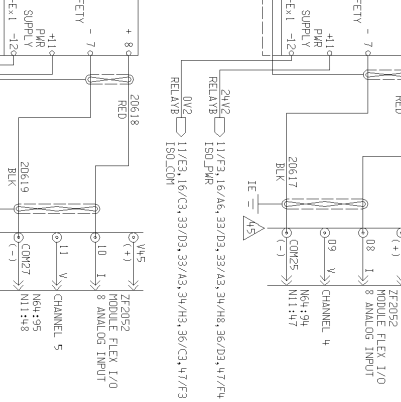
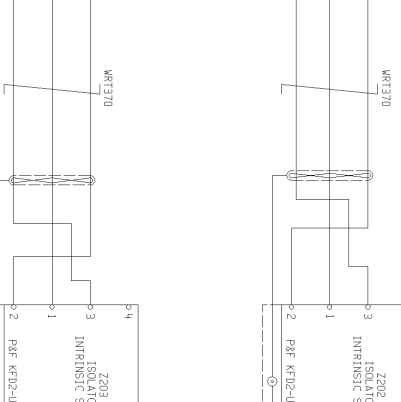
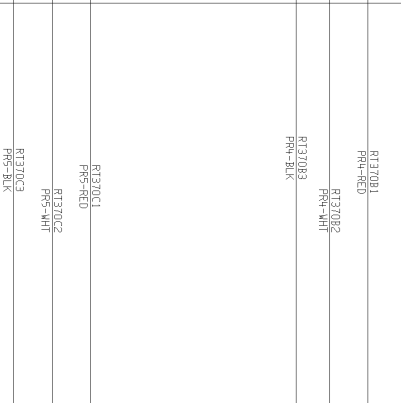
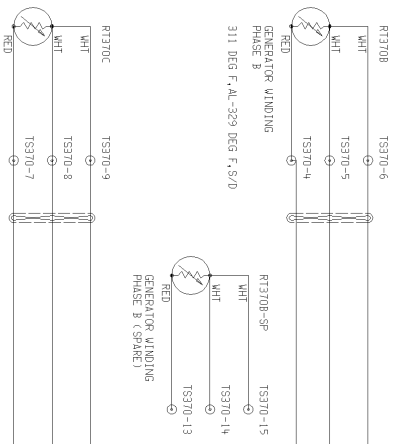
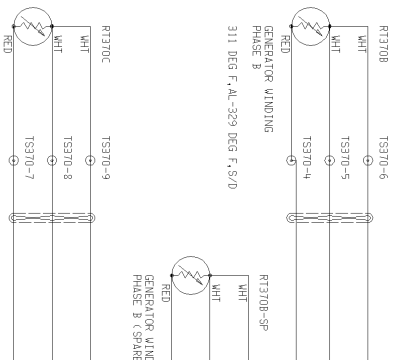
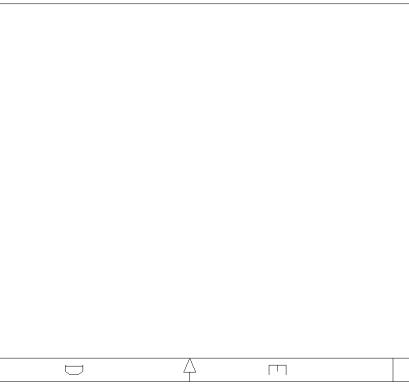
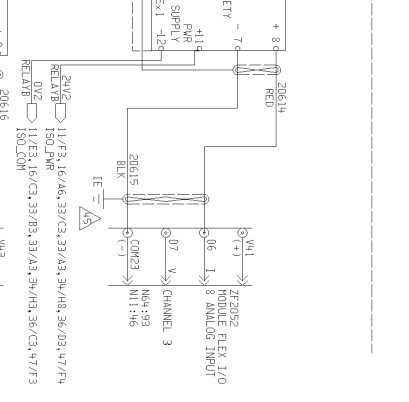
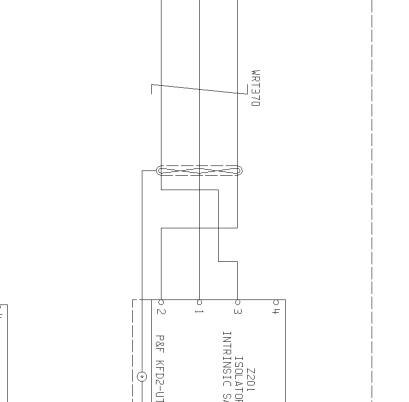
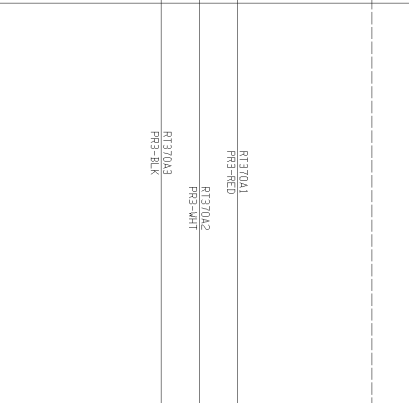
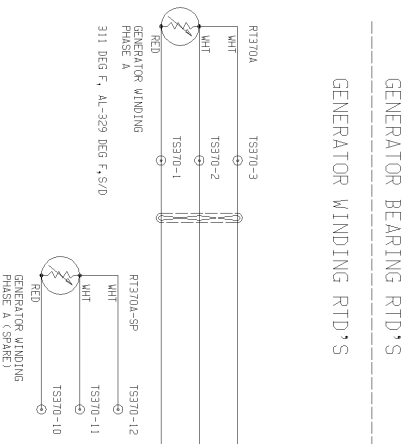
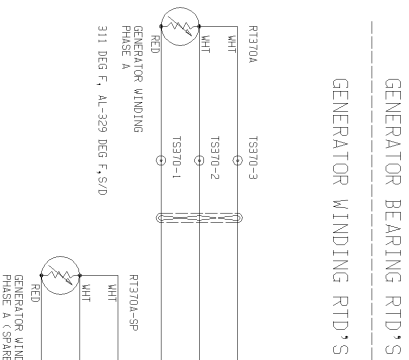
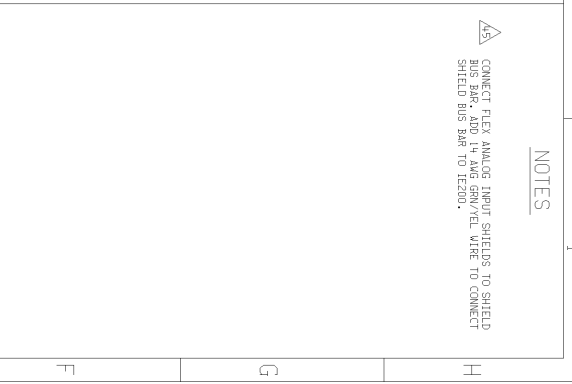
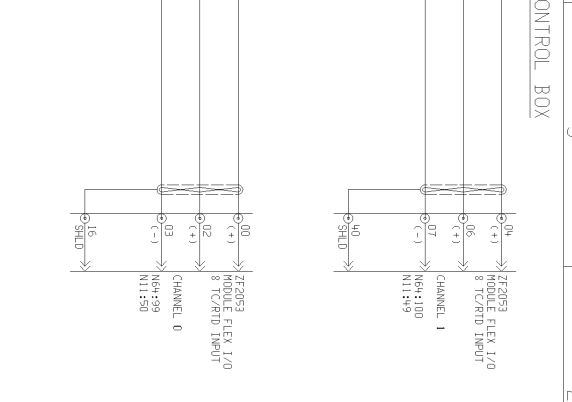
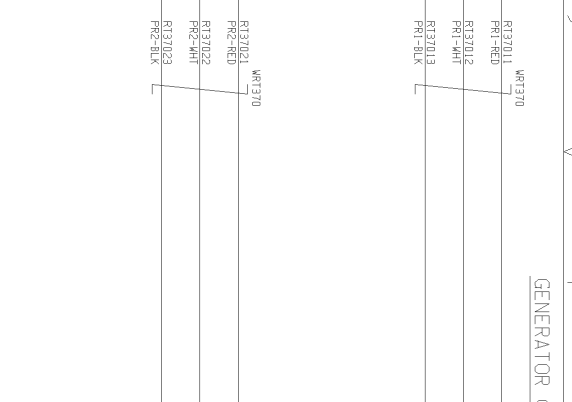
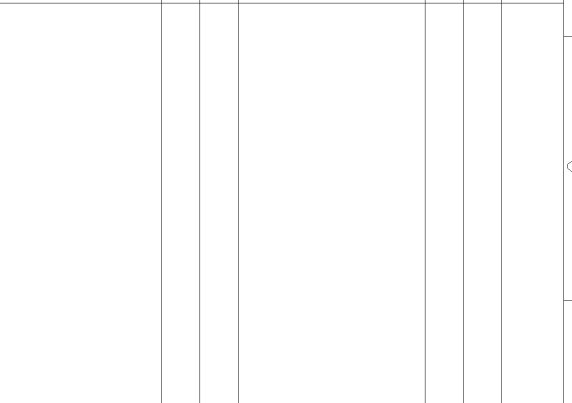
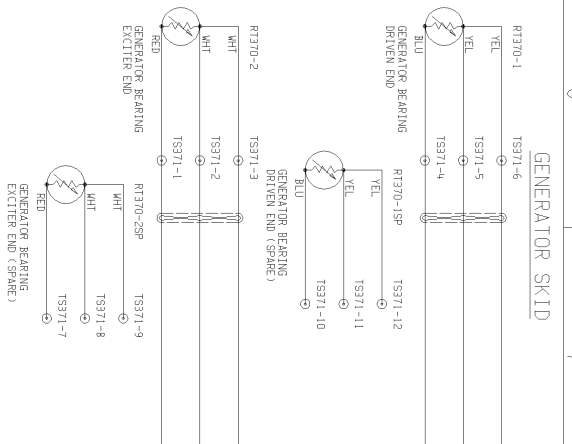
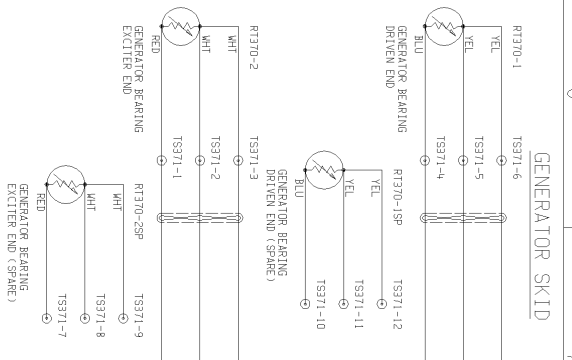
Solar Turbines
A Division of Emerson

59111-149480

REV C0 08/17

THIS IS A PRELIMINARY DESIGN AND SHOULD BE USED AS A GUIDE ONLY. IT IS NOT A FINAL DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION.

CUSTOMER INTERFACE		TURBINE CONTROL BOX		NOTES
<div><div></div></div>		<div><div><div><div><div><div>DS107</div><div>DS107</div></div><div>DS107N</div><div>DS107M</div></div><div>DS107P</div><div>DS107Q</div></div><div><div>DS107R</div><div>DS107S</div></div><div>DS107T</div><div>DS107U</div></div><div>DS107V</div><div>DS107W</div></div> <div>DS107X</div> <div>DS107Y</div> <div>DS107Z</div> <div>DS107AA</div> <div>DS107AB</div> <div>DS107AC</div> <div>DS107AD</div> <div>DS107AE</div> <div>DS107AF</div> <div>DS107AG</div> <div>DS107AH</div> <div>DS107AI</div> <div>DS107AJ</div> <div>DS107AK</div> <div>DS107AL</div> <div>DS107AM</div> <div>DS107AN</div> <div>DS107AO</div> <div>DS107AP</div> <div>DS107AQ</div> <div>DS107AR</div> <div>DS107AS</div> <div>DS107AT</div> <div>DS107AU</div> <div>DS107AV</div> <div>DS107AW</div> <div>DS107AX</div> <div>DS107AY</div> <div>DS107AZ</div> <div>DS107BA</div> <div>DS107BB</div> <div>DS107BC</div> <div>DS107BD</div> <div>DS107BE</div> <div>DS107BF</div> <div>DS107BG</div> <div>DS107BH</div> 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<div>DS107TU</div> <div>DS107TT</div> <div>DS107TV</div> <div>DS107TU</div> <div>DS107TW</div> <div>DS107TV</div> <div>DS107TX</div> <div>DS107TW</div> <div>DS107TY</div> <div>DS107TX</div> <div>DS107TZ</div> <div>DS107TY</div> <div>DS107UA</div> <div>DS107TZ</div> <div>DS107UB</div> <div>DS107UA</div> <div>DS107UC</div> <div>DS107UB</div> <div>DS107UD</div> <div>DS107UC</div> <div>DS107UE</div> <div>DS107UD</div> <div>DS107UF</div> <div>DS107UE</div> <div>DS107UG</div> <div>DS107UF</div> <div>DS107UH</div> <div>DS107UG</div> <div>DS107UI</div> <div>DS107UH</div> <div>DS107UJ</div> <div>DS107UI</div> <div>DS107UK</div> <div>DS107UJ</div> <div>DS107UL</div> <div>DS107UK</div> <div>DS107UM</div> <div>DS107UL</div> <div>DS107UN</div> <div>DS107UM</div> <div>DS107UO</div> <div>DS107UN</div> <div>DS107UP</div> <div>DS107UO</div> <div>DS107UQ</div> <div>DS107UP</div> <div>DS107UR</div> <div>DS107UQ</div> <div>DS107US</div> <div>DS107UR</div> <div>DS107UT</div> <div>DS107US</div> <div>DS107UU</div> <div>DS107UT</div> <div>DS107UV</div> <div>DS107UU</div> <div>DS107UW</div> <div>DS107UV</div> <div>DS107UX</div> <div>DS107UW</div> <div>DS107UY</div> <div>DS107UX</div> <div>DS107UZ</div> <div>DS107UY</div> <div>DS107VA</div> <div>DS107UZ</div> <div>DS107VB</div> <div>DS107VA</div> <div>DS107VC</div> <div>DS107VB</div> <div>DS107VD</div> <div>DS107VC</div> <div>DS107VE</div> <div>DS107VD</div> <div>DS107VF</div> <div>DS107VE</div> <div>DS107VG</div> <div>DS107VF</div> <div>DS107VH</div> <div>DS107VG</div> <div>DS107VI</div> <div>DS107VH</div> <div>DS107VJ</div> <div>DS107VI</div> <div>DS107VK</div> <div>DS107VJ</div> <div>DS107VL</div> <div>DS107VK</div> <div>DS107VM</div> <div>DS107VL</div> <div>DS107VN</div> <div>DS107VM</div> <div>DS107VO</div> <div>DS107VN</div> <div>DS107VP</div> <div>DS107VO</div> <div>DS107VQ</div> <div>DS107VP</div> <div>DS107VR</div> <div>DS107VQ</div> <div>DS107VS</div> <div>DS107VR</div> <div>DS107VT</div> <div>DS107VS</div> <div>DS107VU</div> <div>DS107VT</div> <div>DS107VV</div> <div>DS107VU</div> <div>DS107VW</div> <div>DS107VV</div> <div>DS107VX</div> <div>DS107VW</div> <div>DS107VY</div> <div>DS107VX</div> <div>DS107VZ</div> <div>DS107VY</div> <div>DS107WA</div> <div>DS107VZ</div> <div>DS107WB</div> <div>DS107WA</div> <div>DS107WC</div> <div>DS107WB</div> <div>DS107WD</div> <div>DS107WC</div> <div>DS107WE</div> <div>DS107WD</div> <div>DS107WF</div> <div>DS107WE</div> <div>DS107WG</div> <div>DS107WF</div> <div>DS107WH</div> <div>DS107WG</div> <div>DS107WI</div> <div>DS107WH</div> <div>DS107WJ</div> <div>DS107WI</div> <div>DS107WK</div> <div>DS107WJ</div> <div>DS107WL</div> <div>DS107WK</div> <div>DS107WM</div> <div>DS107WL</div> <div>DS107WN</div> <div>DS107WM</div> <div>DS107WO</div> <div>DS107WN</div> <div>DS107WP</div> <div>DS107WO</div> <div>DS107WQ</div> <div>DS107WP</div> <div>DS107WR</div> <div>DS107WQ</div> <div>DS107WS</div> <div>DS107WR</div> <div>DS107WT</div> <div>DS107WS</div> <div>DS107WU</div> <div>DS107WT</div> <div>DS107WV</div> <div>DS107WU</div> <div>DS107WW</div> <div>DS107WV</div> <div>DS107WX</div> <div>DS107WW</div> <div>DS107WY</div> <div>DS107WX</div> <div>DS107WZ</div> <div>DS107WY</div> <div>DS107XA</div> <div>DS107WZ</div> <div>DS107XB</div> <div>DS107XA</div> <div>DS107XC</div> <div>DS107XB</div> <div>DS107XD</div> <div>DS107XC</div> <div>DS107XE</div> <div>DS107XD</div> <div>DS107XF</div> <div>DS107XE</div> <div>DS107XG</div> <div>DS107XF</div> <div>DS107XH</div> <div>DS107XG</div> <div>DS107XI</div> <div>DS107XH</div> <div>DS107XJ</div> <div>DS107XI</div> <div>DS107XK</div> <div>DS107XJ</div> <div>DS107XL</div> <div>DS107XK</div> <div>DS107XM</div> <div>DS107XL</div> <div>DS107XN</div> <div>DS107XM</div> <div>DS107XO</div> <div>DS107XN</div> <div>DS107XP</div> <div>DS107XO</div> <div>DS107XQ</div> <div>DS107XP</div> <div>DS107XR</div> <div>DS107XQ</div> <div>DS107XS</div> <div>DS107XR</div> <div>DS107XT</div> <div>DS107XS</div> <div>DS107XU</div> <div>DS107XT</div> <div>DS107XV</div> <div>DS107XU</div> <div>DS107XW</div> <div>DS107XV</div> <div>DS107XX</div> <div>DS107XW</div> <div>DS107XY</div> <div>DS107XX</div> <div>DS107XZ</div> <div>DS107XY</div> <div>DS107YA</div> <div>DS107XZ</div> <div>DS107YB</div> <div>DS107YA</div> <div>DS107YC</div> <div>DS107YB</div> <div>DS107YD</div> <div>DS107</div>		

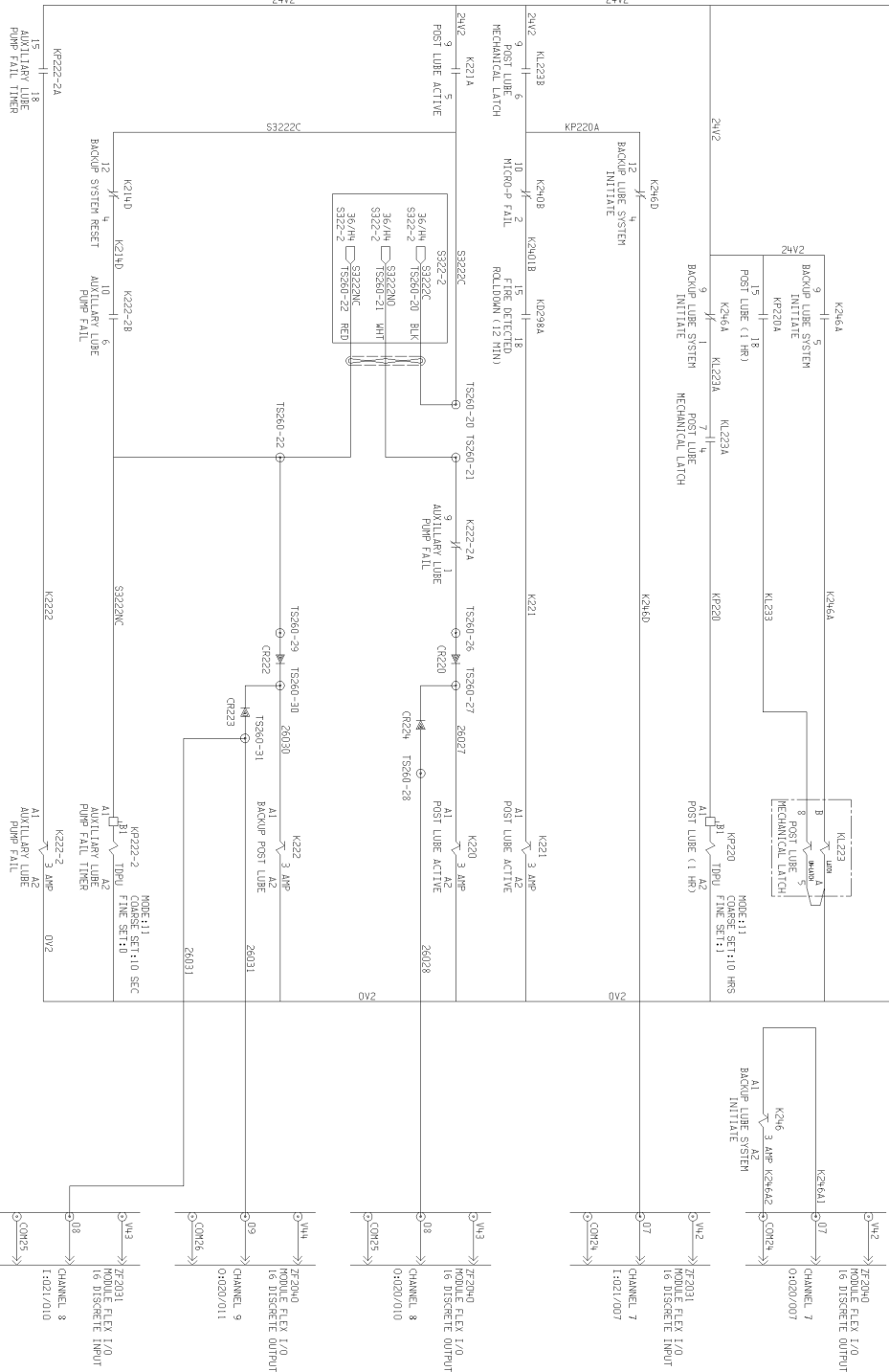


LUBE OIL BACKUP SYSTEM

11/F3, 16/A6, 33/A3, 36/O3, 39/A3, 36/C3, 47/F3
RELAY BACKUP POWER

RELAY BACKUP POWER

NOTES



7-1 9-3			
K223	IN	34/66	34/77
7-4 9-6			
A B		C D	
K246	IN	34/66	34/77
15-16			
WP220	IN	34/66	34/77
15-18			
7-1 9-3			
K221	IN	34/66	34/77
7-4 9-6			
A B		C D	
K220	IN	34/66	34/77
15-16			
WP220	IN	34/66	34/77
15-18			
7-1 9-3			
K222	IN	34/66	34/77
7-4 9-6			
A B		C D	
K222	IN	34/66	34/77
15-16			
WP220	IN	34/66	34/77
15-18			

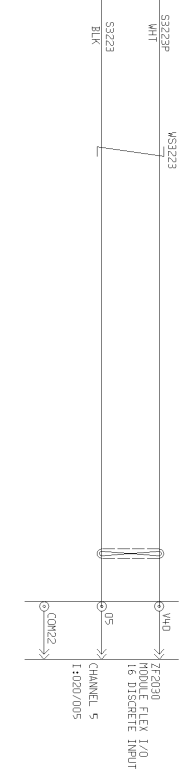
TURBINE
LUBE OIL
BACKUP SYSTEM

Solar Turbines

59111-149480

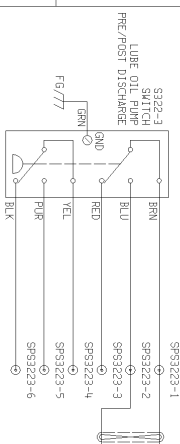
THIS IS A PRELIMINARY DRAWING. IT IS NOT TO BE USED FOR CONSTRUCTION. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. IT IS THE USER'S RESPONSIBILITY TO VERIFY THE INFORMATION PROVIDED HEREIN.

GENERATOR CONTROL BOX

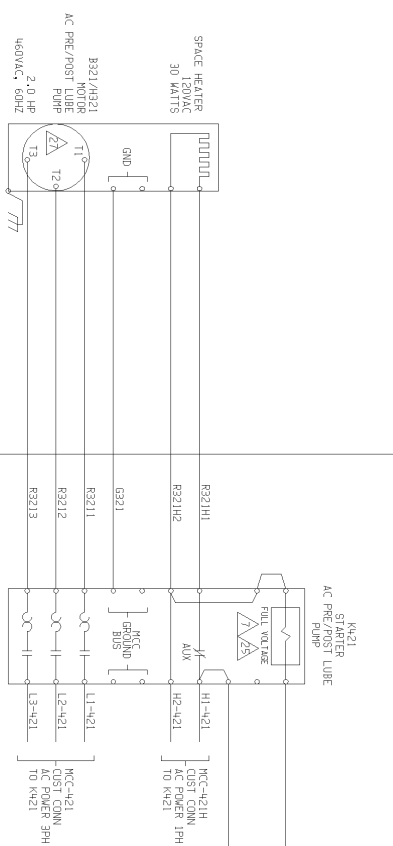


- NOTES
- CUSTOMER FURNISHED.
 - TYPICAL CONNECTIONS SHOWN. SEE MOTOR CONTROL CENTER (MCC) DRAWING FOR SPECIFIC STARTER CONNECTION INFORMATION.
 - SEE MOTOR NAMEPLATE FOR CONNECTION INFORMATION.

TURBINE SKID

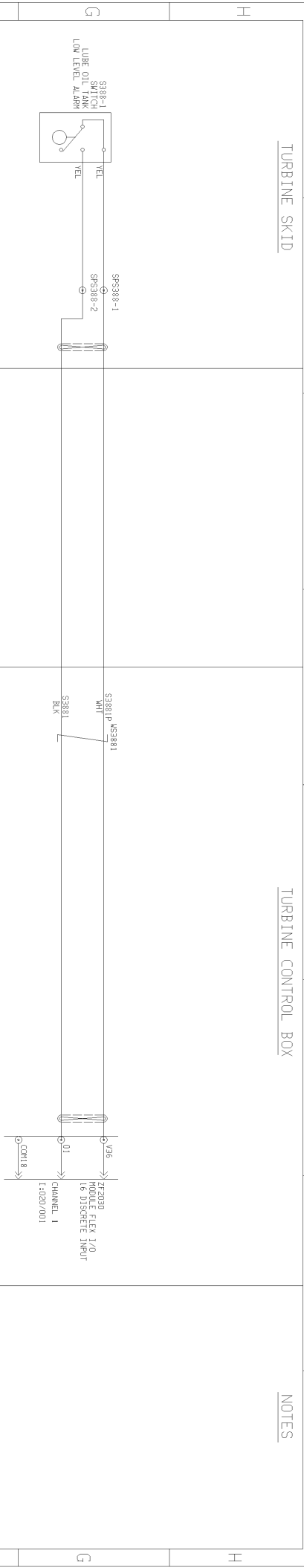


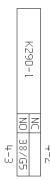
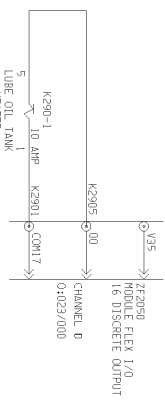
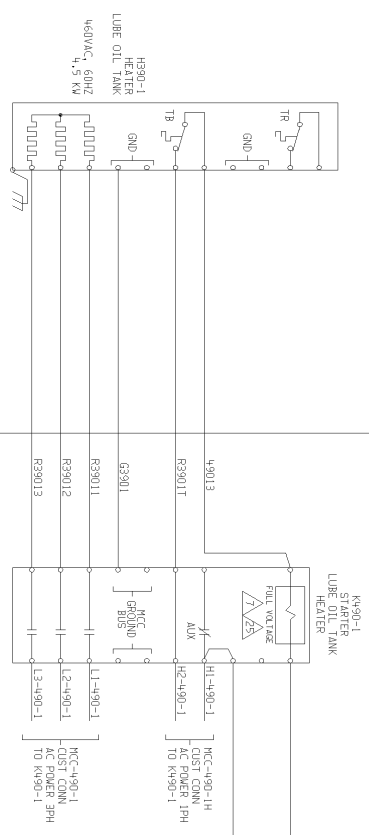
MOTOR CONTROL CENTER



TURBINE
LUBE OIL PUMPS

Solar Turbines
A Turbine Company
DRAWING NO. 59111-149480
REV. BD 35 OF 47





NOTES

1. CUSTOMER FURNISHED.

2. TYPICAL CONNECTIONS SHOWN. SEE MOTOR CONTROL CENTER (MCC) DRAWING FOR SPECIFIC STARTER CONNECTION INFORMATION.

TURBINE
LUBE OIL TANK
HEATER

LUBE OIL COOLERS

MOTOR CONTROL CENTER

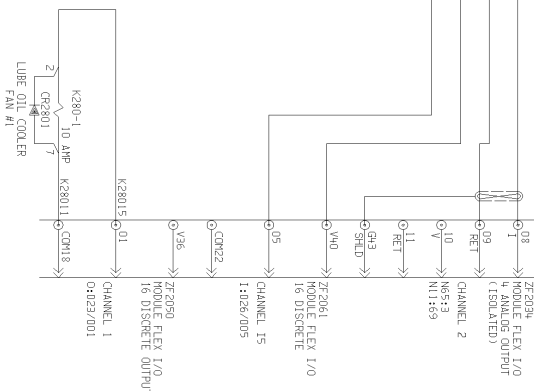
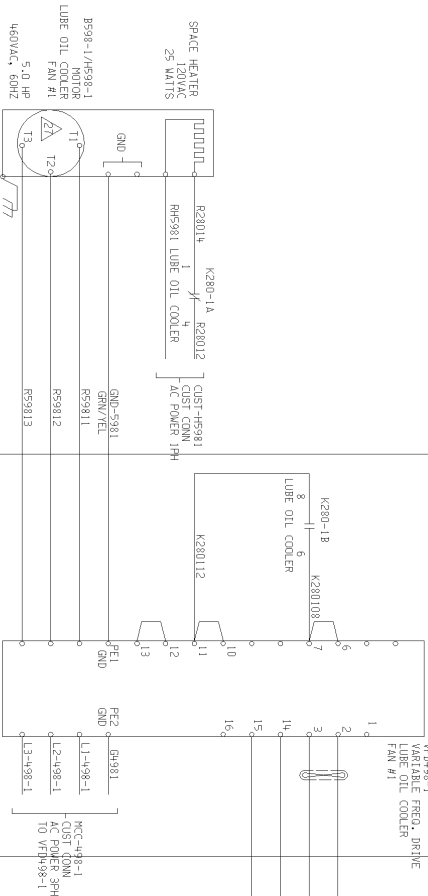
GENERATOR CONTROL BOX

NOTES

△ SOLAR FURNISHED, LOOSE SHIPPED, FOR SITE INSTALLATION BY OTHERS, UNLESS OTHERWISE NOTED.
△ SEE MOTOR NAMEPLATE FOR CONNECTION INFORMATION.

VFD498-1 SETTINGS

F00	1
F01	5.0
F02	5.0
F03	5.0
F04	60.0
F05	150.0
F06	2
F07	60.0
F08	1750
F09	1
F10	4
F11	200.0
F12	20.0
F13	OFF
F14	100
F15	ON
F16	ON
F17	ON
F18	ON
F19	OFF
F20	OFF
F21	5.0
F22	5.0
F23	20.0
F24	20.0
F25	20.0
F26	0
F27	1
F28	SPD



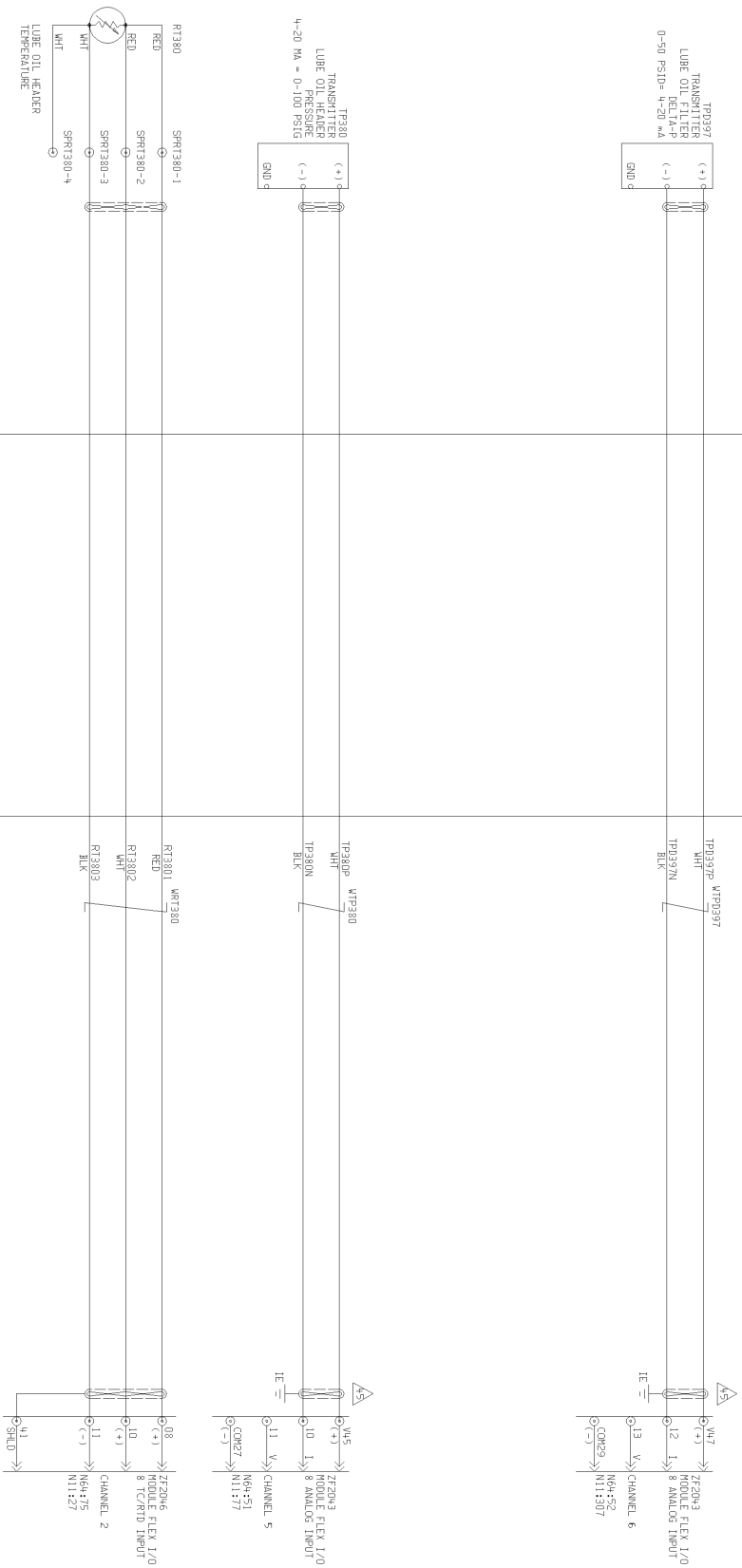
K280-1	NO	39/46
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TURBINE
VFD LUBE OIL COOLER

Solar Turbines
A Turbine Engine

59111-149480	REV	CO
59111-149480	REV	CO

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 CONNECT FLEX ANALOG INPUT SHIELDS TO SHIELD BUS BAR. ADD 14 AWG GRN/YEL WIRE TO CONNECT SHIELD BUS BAR TO IE200.

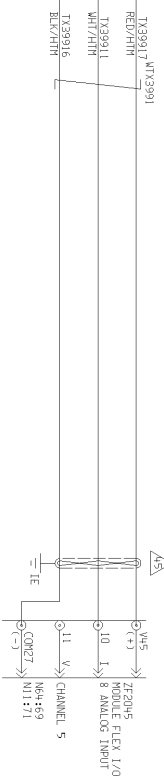
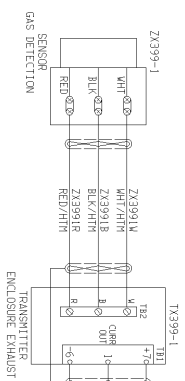
TURBINE
LUBE OIL FILTER
AND HEADER

Solar Turbines

DRAWING NO.
59111-149480

REV	AD
SHEET	100 OF 177

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 CONNECT FLEX ANALOG INPUT SHIELDS TO SHIELD BUS BAR. ADD 14 AWG GRN/YEL WIRE TO CONNECT SHIELD BUS BAR TO IE200.

ENCLOSURE
GAS DETECTION

Solar Turbines

DRAWING NO.	REV	00
59111-149480	SHEET	13 OF 17

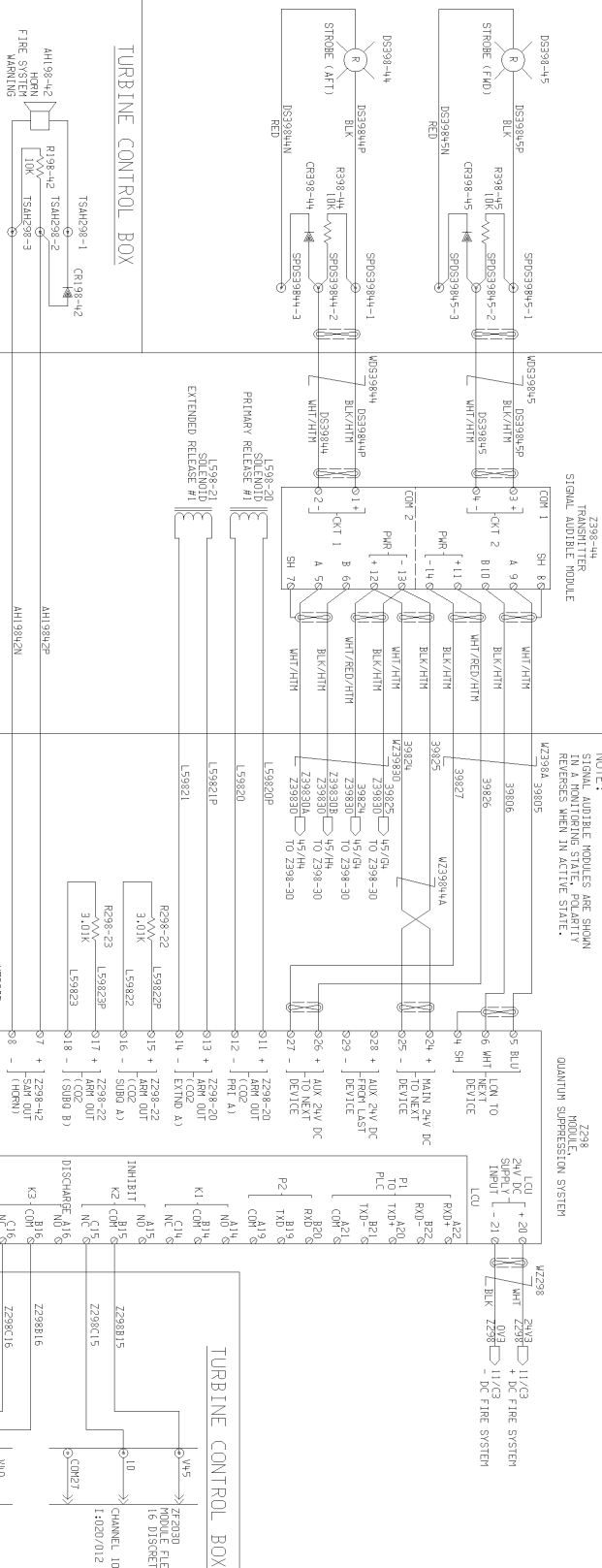
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ENCLOSURE (EXTERNAL)

FIRE EXTINGUISHANT CABINET

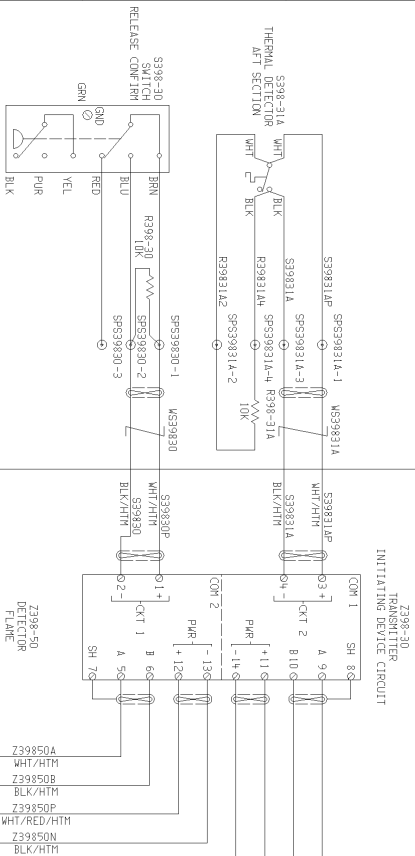
FIRE SYSTEM J-BOX

NOTES



GATEWAY SWITCH SETTINGS									
CLOSED						X	X	X	X
OPEN	X	X	X	X	X	X	X		
9S									
CLOSED	X								
OPEN		X	X	X	X	X	X	X	
LS									
CLOSED	X	X					X		
OPEN		X	X	X	X	X			
9S									
CLOSED	X	X	X	X	X	X	X	X	
OPEN									
9S									
1	2	3	4	5	6	7	8		
LCU SWITCH SETTINGS									
ON	OFF								
LCU									
ISOLATION									
X	X	X	X	X	X	X	X		
9S									
CLOSED	X	X	X	X	X	X	X		
OPEN									
9S									
CLOSED	X	X	X	X	X	X	X		
OPEN									
9S									
1	2	3	4	5	6	7	8		

	1	2	3	4	5	6	7	8
REF Z398-20	CLOSED	X	X	X	X	X	X	X
	OPEN	X	X	X	X	X	X	X
REF Z398-22	CLOSED	X	X	X	X	X	X	X
	OPEN	X	X	X	X	X	X	X
REF Z398-40	CLOSED	X	X	X	X	X	X	X
	OPEN	X	X	X	X	X	X	X
REF Z398-42	CLOSED	X	X	X	X	X	X	X
	OPEN	X	X	X	X	X	X	X



NOTE:
SIGNAL AUDIBLE MODULES ARE SHOWN
IN A MONITORING STATE. POLARITY
REVERSES WHEN IN ACTIVE STATE.

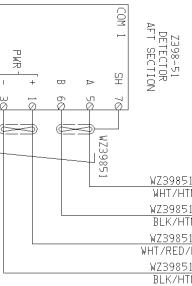
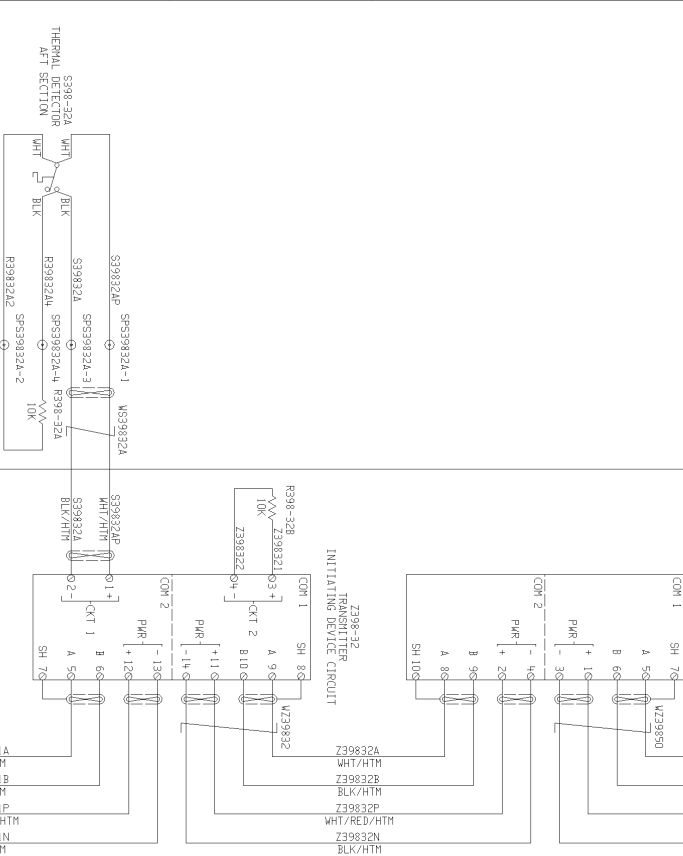
REF	Z398-44	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-30	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-50	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-32	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-51	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X



REF	Z398-44	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-30	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-50	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

REF	Z398-32	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

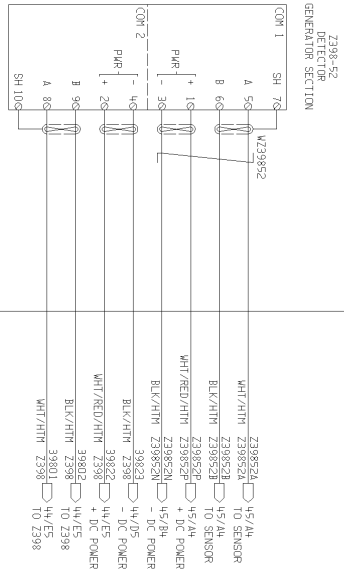
REF	Z398-51	DEVICE SWITCH SETTINGS
		1 2 3 4 5 6 7 8
	CLOSED	X X X X X X X X
	OPEN	X X X X X X X X

ENCLOSURE
FIRE SYSTEM - QUANTUM

Solar Turbines
A Turbine Engine

PRINTING NO. 59111-149480 REV 00

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REF	Z398-52	DEVICE SWITCH SETTINGS
Q.0000	1	2
Q.0001	3	4
Q.0002	5	6
Q.0003	7	8
Q.0004	9	10
Q.0005	11	12
Q.0006	13	14
Q.0007	15	16
Q.0008	17	18
Q.0009	19	20
Q.0010	21	22
Q.0011	23	24
Q.0012	25	26
Q.0013	27	28
Q.0014	29	30
Q.0015	31	32
Q.0016	33	34
Q.0017	35	36
Q.0018	37	38
Q.0019	39	40
Q.0020	41	42
Q.0021	43	44
Q.0022	45	46
Q.0023	47	48
Q.0024	49	50
Q.0025	51	52
Q.0026	53	54
Q.0027	55	56
Q.0028	57	58
Q.0029	59	60
Q.0030	61	62
Q.0031	63	64
Q.0032	65	66
Q.0033	67	68
Q.0034	69	70
Q.0035	71	72
Q.0036	73	74
Q.0037	75	76
Q.0038	77	78
Q.0039	79	80
Q.0040	81	82
Q.0041	83	84
Q.0042	85	86
Q.0043	87	88
Q.0044	89	90
Q.0045	91	92
Q.0046	93	94
Q.0047	95	96
Q.0048	97	98
Q.0049	99	100

ENCLOSURE
FIRE SYSTEM - QUANTUM

Solar Turbines

59111-1149480

REV 00

04/07

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