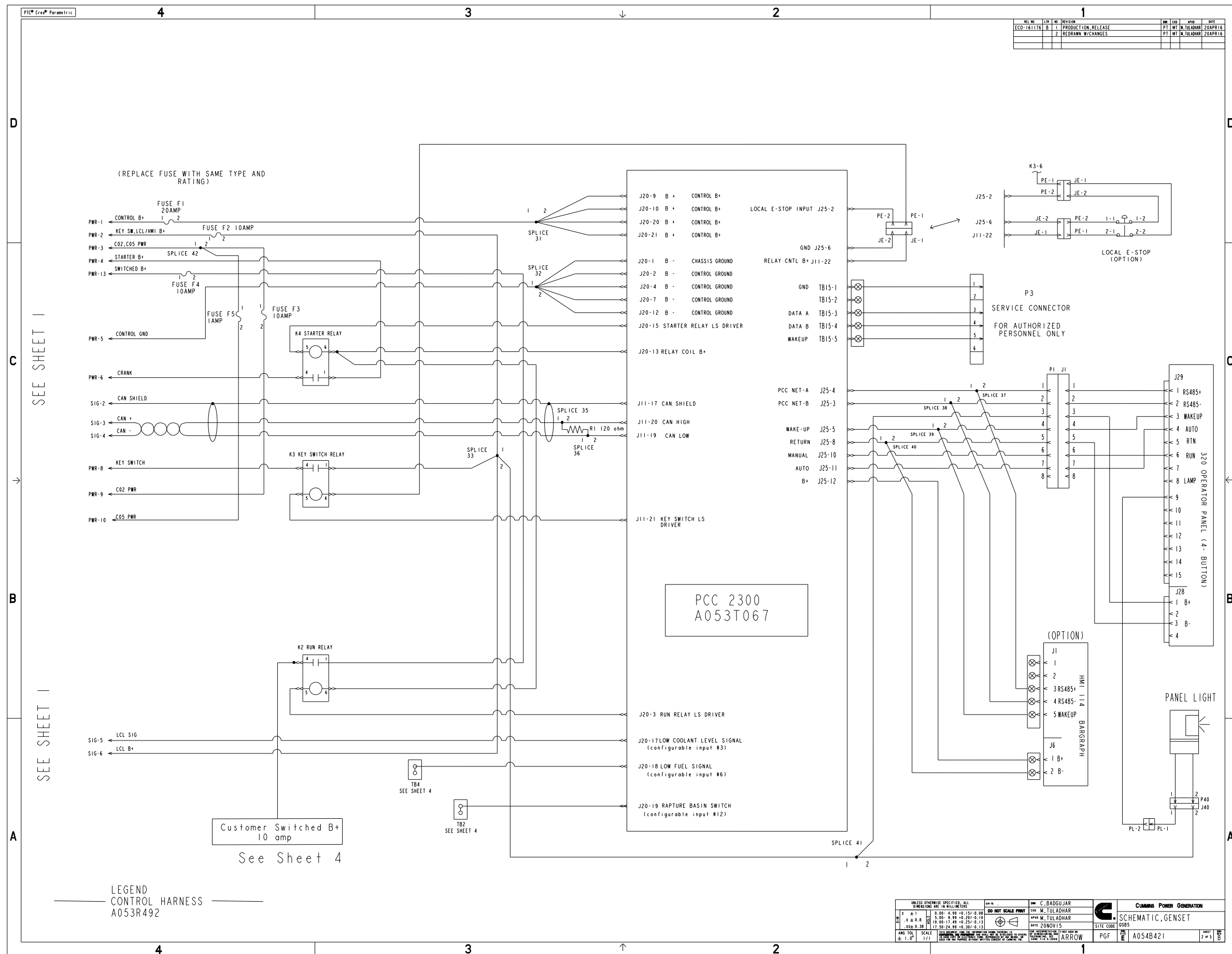


REV	NO	DESCRIPTION	BY	CHKD	DATE
ECO-161176	B	1 PRODUCTION RELEASE	PT	MT	20APR16
		2 REDRAWN W/CHANGES	PT	MT	20APR16

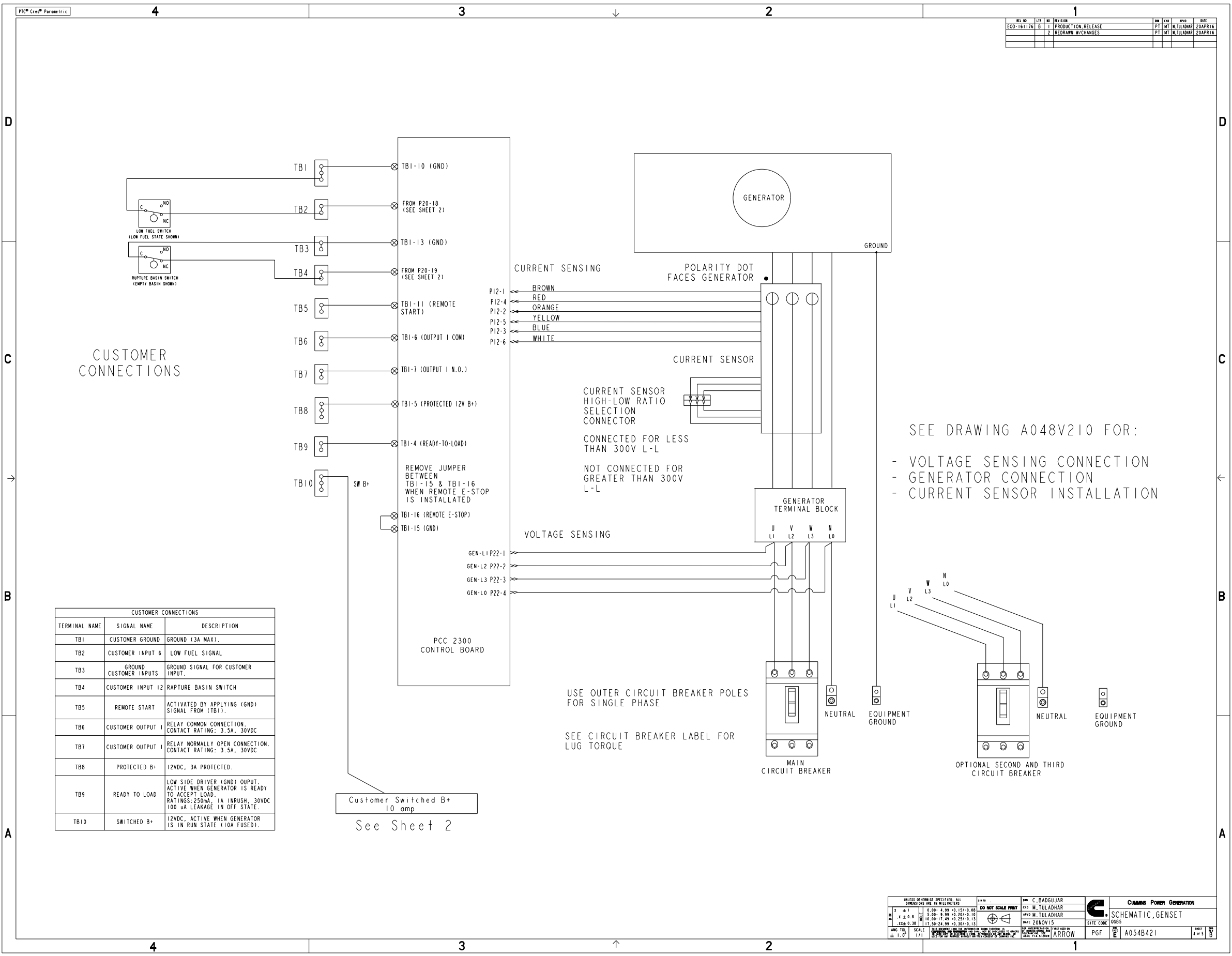
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS		DO NOT SCALE PRINT	DESIGNED BY: C. BADGUJAR	CUMMINS POWER GENERATION	
1 ± 0.1	0.00 - 4.99 ± 0.15		CHKD BY: M. TULADHAR	SCHEMATIC, GENSET	
1 ± 0.8	5.00 - 9.99 ± 0.25		APPD BY: M. TULADHAR	SITE CODE: 0585	
1 ± 0.38	10.00 - 17.99 ± 0.35		DATE: 20NOV15	PGF: A054B421	
1 ± 0.38	17.99 - 24.99 ± 0.35	SCALE: 1/1	DATE: 20NOV15	SHEET: 1 OF 5	



REV NO	DATE	DESCRIPTION	BY	CHKD	DATE
ECO-161176	B	1 PRODUCTION RELEASE	PT	MT	N.TULADHAR 20APR16
		2 REDRAWN W/CHANGES	PT	MT	N.TULADHAR 20APR16

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS		DO NOT SCALE PRINT		CUMMINS POWER GENERATION	
1 ± 0.1	0.00 - 4.99 ± 0.05	1 ± 0.1	0.00 - 4.99 ± 0.05	DATE	20NOV15
1 ± 0.2	5.00 - 9.99 ± 0.20	1 ± 0.2	10.00 - 24.99 ± 0.25	SITE CODE	OSBS
1 ± 0.3	10.00 - 17.99 ± 0.30	1 ± 0.3	25.00 - 49.99 ± 0.35	PGF	ARROW
1 ± 0.38	18.00 - 24.99 ± 0.38	1 ± 0.38	50.00 - 99.99 ± 0.38	PGF	ARROW
1 ± 0.5	25.00 - 49.99 ± 0.50	1 ± 0.5	100.00 - 249.99 ± 0.50	PGF	ARROW
1 ± 0.63	50.00 - 99.99 ± 0.63	1 ± 0.63	250.00 - 499.99 ± 0.63	PGF	ARROW
1 ± 0.75	100.00 - 249.99 ± 0.75	1 ± 0.75	500.00 - 999.99 ± 0.75	PGF	ARROW
1 ± 1.0	250.00 - 499.99 ± 1.00	1 ± 1.0	1000.00 - 2499.99 ± 1.00	PGF	ARROW
1 ± 1.25	500.00 - 999.99 ± 1.25	1 ± 1.25	2500.00 - 4999.99 ± 1.25	PGF	ARROW
1 ± 1.5	1000.00 - 2499.99 ± 1.50	1 ± 1.5	5000.00 - 9999.99 ± 1.50	PGF	ARROW
1 ± 1.6	2500.00 - 4999.99 ± 1.60	1 ± 1.6	10000.00 - 24999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000.00 - 9999.99 ± 1.60	1 ± 1.6	25000.00 - 49999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000.00 - 24999.99 ± 1.60	1 ± 1.6	50000.00 - 99999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000.00 - 49999.99 ± 1.60	1 ± 1.6	100000.00 - 249999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000.00 - 99999.99 ± 1.60	1 ± 1.6	250000.00 - 499999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000.00 - 249999.99 ± 1.60	1 ± 1.6	500000.00 - 999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000.00 - 499999.99 ± 1.60	1 ± 1.6	1000000.00 - 2499999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000.00 - 999999.99 ± 1.60	1 ± 1.6	2500000.00 - 4999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000.00 - 2499999.99 ± 1.60	1 ± 1.6	5000000.00 - 9999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000.00 - 4999999.99 ± 1.60	1 ± 1.6	10000000.00 - 24999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000.00 - 9999999.99 ± 1.60	1 ± 1.6	25000000.00 - 49999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000.00 - 24999999.99 ± 1.60	1 ± 1.6	50000000.00 - 99999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000.00 - 49999999.99 ± 1.60	1 ± 1.6	100000000.00 - 249999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000.00 - 99999999.99 ± 1.60	1 ± 1.6	250000000.00 - 499999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000.00 - 249999999.99 ± 1.60	1 ± 1.6	500000000.00 - 999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000.00 - 499999999.99 ± 1.60	1 ± 1.6	1000000000.00 - 2499999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000.00 - 999999999.99 ± 1.60	1 ± 1.6	2500000000.00 - 4999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000.00 - 2499999999.99 ± 1.60	1 ± 1.6	5000000000.00 - 9999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000.00 - 4999999999.99 ± 1.60	1 ± 1.6	10000000000.00 - 24999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000.00 - 9999999999.99 ± 1.60	1 ± 1.6	25000000000.00 - 49999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000.00 - 24999999999.99 ± 1.60	1 ± 1.6	50000000000.00 - 99999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000.00 - 49999999999.99 ± 1.60	1 ± 1.6	100000000000.00 - 249999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000.00 - 99999999999.99 ± 1.60	1 ± 1.6	250000000000.00 - 499999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000.00 - 249999999999.99 ± 1.60	1 ± 1.6	500000000000.00 - 999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000.00 - 499999999999.99 ± 1.60	1 ± 1.6	1000000000000.00 - 2499999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000000.00 - 999999999999.99 ± 1.60	1 ± 1.6	2500000000000.00 - 4999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000000.00 - 2499999999999.99 ± 1.60	1 ± 1.6	5000000000000.00 - 9999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000000.00 - 4999999999999.99 ± 1.60	1 ± 1.6	10000000000000.00 - 24999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000000.00 - 9999999999999.99 ± 1.60	1 ± 1.6	25000000000000.00 - 49999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000000.00 - 24999999999999.99 ± 1.60	1 ± 1.6	50000000000000.00 - 99999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000000.00 - 49999999999999.99 ± 1.60	1 ± 1.6	100000000000000.00 - 249999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000000.00 - 99999999999999.99 ± 1.60	1 ± 1.6	250000000000000.00 - 499999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000000.00 - 249999999999999.99 ± 1.60	1 ± 1.6	500000000000000.00 - 999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000000.00 - 499999999999999.99 ± 1.60	1 ± 1.6	1000000000000000.00 - 2499999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000000000.00 - 999999999999999.99 ± 1.60	1 ± 1.6	2500000000000000.00 - 4999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000000000.00 - 2499999999999999.99 ± 1.60	1 ± 1.6	5000000000000000.00 - 9999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000000000.00 - 4999999999999999.99 ± 1.60	1 ± 1.6	10000000000000000.00 - 24999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000000000.00 - 9999999999999999.99 ± 1.60	1 ± 1.6	25000000000000000.00 - 49999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000000000.00 - 24999999999999999.99 ± 1.60	1 ± 1.6	50000000000000000.00 - 99999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000000000.00 - 49999999999999999.99 ± 1.60	1 ± 1.6	100000000000000000.00 - 249999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000000000.00 - 99999999999999999.99 ± 1.60	1 ± 1.6	250000000000000000.00 - 499999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000000000.00 - 249999999999999999.99 ± 1.60	1 ± 1.6	500000000000000000.00 - 999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000000000.00 - 499999999999999999.99 ± 1.60	1 ± 1.6	1000000000000000000.00 - 2499999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000000000000.00 - 999999999999999999.99 ± 1.60	1 ± 1.6	2500000000000000000.00 - 4999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000000000000.00 - 2499999999999999999.99 ± 1.60	1 ± 1.6	5000000000000000000.00 - 9999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000000000000.00 - 4999999999999999999.99 ± 1.60	1 ± 1.6	10000000000000000000.00 - 24999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000000000000.00 - 9999999999999999999.99 ± 1.60	1 ± 1.6	25000000000000000000.00 - 49999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000000000000.00 - 24999999999999999999.99 ± 1.60	1 ± 1.6	50000000000000000000.00 - 99999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000000000000.00 - 49999999999999999999.99 ± 1.60	1 ± 1.6	100000000000000000000.00 - 249999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000000000000.00 - 99999999999999999999.99 ± 1.60	1 ± 1.6	250000000000000000000.00 - 499999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000000000000.00 - 249999999999999999999.99 ± 1.60	1 ± 1.6	500000000000000000000.00 - 999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000000000000.00 - 499999999999999999999.99 ± 1.60	1 ± 1.6	1000000000000000000000.00 - 2499999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000000000000000.00 - 999999999999999999999.99 ± 1.60	1 ± 1.6	2500000000000000000000.00 - 4999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000000000000000.00 - 2499999999999999999999.99 ± 1.60	1 ± 1.6	5000000000000000000000.00 - 9999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000000000000000.00 - 4999999999999999999999.99 ± 1.60	1 ± 1.6	10000000000000000000000.00 - 24999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000000000000000.00 - 9999999999999999999999.99 ± 1.60	1 ± 1.6	25000000000000000000000.00 - 49999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000000000000000.00 - 24999999999999999999999.99 ± 1.60	1 ± 1.6	50000000000000000000000.00 - 99999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000000000000000.00 - 49999999999999999999999.99 ± 1.60	1 ± 1.6	100000000000000000000000.00 - 249999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000000000000000.00 - 99999999999999999999999.99 ± 1.60	1 ± 1.6	250000000000000000000000.00 - 499999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000000000000000.00 - 249999999999999999999999.99 ± 1.60	1 ± 1.6	500000000000000000000000.00 - 999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000000000000000.00 - 499999999999999999999999.99 ± 1.60	1 ± 1.6	1000000000000000000000000.00 - 2499999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	500000000000000000000000.00 - 999999999999999999999999.99 ± 1.60	1 ± 1.6	2500000000000000000000000.00 - 4999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	1000000000000000000000000.00 - 2499999999999999999999999.99 ± 1.60	1 ± 1.6	5000000000000000000000000.00 - 9999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	2500000000000000000000000.00 - 4999999999999999999999999.99 ± 1.60	1 ± 1.6	10000000000000000000000000.00 - 24999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	5000000000000000000000000.00 - 9999999999999999999999999.99 ± 1.60	1 ± 1.6	25000000000000000000000000.00 - 49999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	10000000000000000000000000.00 - 24999999999999999999999999.99 ± 1.60	1 ± 1.6	50000000000000000000000000.00 - 99999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	25000000000000000000000000.00 - 49999999999999999999999999.99 ± 1.60	1 ± 1.6	100000000000000000000000000.00 - 249999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	50000000000000000000000000.00 - 99999999999999999999999999.99 ± 1.60	1 ± 1.6	250000000000000000000000000.00 - 499999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	100000000000000000000000000.00 - 249999999999999999999999999.99 ± 1.60	1 ± 1.6	500000000000000000000000000.00 - 999999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1.6	250000000000000000000000000.00 - 499999999999999999999999999.99 ± 1.60	1 ± 1.6	1000000000000000000000000000.00 - 2499999999999999999999999999.99 ± 1.60	PGF	ARROW
1 ± 1					

REV	NO	DESCRIPTION	DATE
1	ECO-161176	PRODUCTION RELEASE	20APR16
2		REDRAWN W/CHANGES	20APR16



CUSTOMER CONNECTIONS

TERMINAL NAME	SIGNAL NAME	DESCRIPTION
TB1	CUSTOMER GROUND	GROUND (3A MAX).
TB2	CUSTOMER INPUT 6	LOW FUEL SIGNAL
TB3	GROUND CUSTOMER INPUTS	GROUND SIGNAL FOR CUSTOMER INPUT.
TB4	CUSTOMER INPUT 12	RAPTURE BASIN SWITCH
TB5	REMOTE START	ACTIVATED BY APPLYING (GND) SIGNAL FROM (TB1).
TB6	CUSTOMER OUTPUT 1	RELAY COMMON CONNECTION. CONTACT RATING: 3.5A, 30VDC
TB7	CUSTOMER OUTPUT 1	RELAY NORMALLY OPEN CONNECTION. CONTACT RATING: 3.5A, 30VDC
TB8	PROTECTED B+	12VDC, 3A PROTECTED.
TB9	READY TO LOAD	LOW SIDE DRIVER (GND) OUTPUT. ACTIVE WHEN GENERATOR IS READY TO ACCEPT LOAD. RATINGS: 250mA, 1A INRUSH, 30VDC 100 uA LEAKAGE IN OFF STATE.
TB10	SWITCHED B+	12VDC, ACTIVE WHEN GENERATOR IS IN RUN STATE (10A FUSED).

Customer Switched B+
10 amp
See Sheet 2

SEE DRAWING A048V210 FOR:
- VOLTAGE SENSING CONNECTION
- GENERATOR CONNECTION
- CURRENT SENSOR INSTALLATION

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS	DO NOT SCALE PRINT	DESIGNED BY: C. BADGUJAR	CUMMINS POWER GENERATION
SCALE: 1:1	DATE: 20NOV15	APP'D BY: M. TULADHAR	SCHEMATIC, GENSET
ANG TOL: ± 0.1	SCALE: 1:1	DATE: 20NOV15	SITE CODE: 0585
ANG TOL: ± 0.0	SCALE: 1:1	DATE: 20NOV15	PGF: A054B421
ANG TOL: ± 0.38	SCALE: 1:1	DATE: 20NOV15	PGF: A054B421

Part A054B421 B

Description	Legacy Name	External Regulations	Application Status	Release Phase Code	Security Classification	Alternates
SCHEMATIC,GENSET	A054B421	No External Regulations Apply	Production Only	Production	Confidential	

Part Specifications :A054B421 B

Name	Description	Legacy Name
A030B356	SPECIFICATION,MATERIAL	CES10903
A054B422	DRAWING,ENGINEERING	A054B422