

CURRENTS SHOWN CALCULATED AT 480V 60HZ

APPROX. RATINGS		60Hz	
50Hz	60Hz	50Hz	60Hz
380V	2236kVA	380V	2080kVA
400V	2478kVA	400V	2304kVA
415V	2668kVA	415V	2481kVA
440V	2999kVA	440V	2788kVA
480V	-	480V	3318kVA

TOTAL CURRENTS		60Hz	
50Hz	60Hz	50Hz	60Hz
380V	3399A	380V	3161A
400V	3578A	400V	3327A
415V	3711A	415V	3452A
440V	3935A	440V	3660A
480V	-	480V	3993A

DRIVEN BY	DATE	ISSUE	DESCRIPTION
Larry Chamberlain	02/05/08	1	DRG. No. CL12900
Michael Pennington	02/05/08	1	CHANGE No. 1 of 12
C1186	DNS	1	SHEET No. 8

Customer	Title	Scale	Contract
Crestchic Loadbanks	WIRING DIAGRAM 3.3MVA	DNS	C1186
2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom.	380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER		

WIRING IN-ACCORDANCE WITH CL6198

DATA BUS TO SHEET 11

INS370 INSTRUMENTATION MODULE

LOAD BANK MONITOR

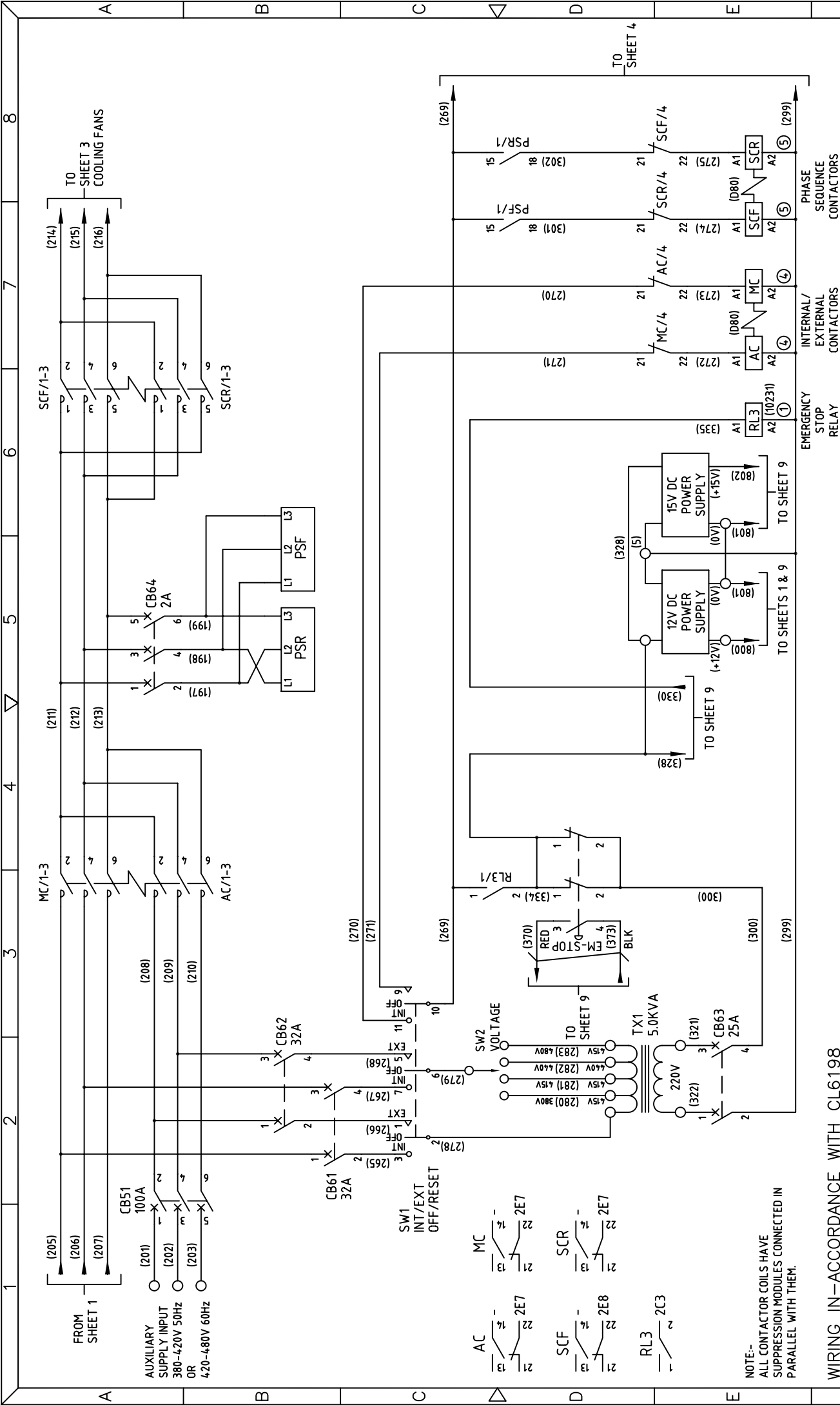
ISO 9001 Registered

UKAS 015

MANUFACTURE

WORLDWIDE LOADBANK SPECIALISTS

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NOTE:-  
ALL CONTACTOR COILS HAVE  
SUPPRESSION MODULES CONNECTED IN  
PARALLEL WITH THEM.

WIRING IN-ACCORDANCE WITH CL6198

**Registered** **UKAS** **015**

**MANUFACTURE**

**CRESTCHIC**

**WORLDWIDE LOADBANK SPECIALISTS**

Crestchic Loadbanks  
2nd Avenue, Centrum 100, Burton-on-Trent,  
Staffordshire, DE14 2WF, United Kingdom.  
TEL: +44 (0)1283 531645 FAX: +44 (0)1283 510103

CUSTOMER  
**CRESTCHIC**  
**RENTAL DEPT.**

TITLE  
**WIRING DIAGRAM 3.3MVA  
380-480V, 50/60HZ, 3-PHASE, 4-WIRE  
SOLAR 10FT CONTAINER**

DRAWN BY  
*Savvy Chamberlain*

CHECKED  
*Michael Pennington*

CONTRACT  
C1186

DATE	02/05/08
SCALE	DNS
ISSUE	1
CHANGE No.	CL12900
DRG. No.	2 of 12
SHEET No.	A 3

TO SHEET 4

TO SHEET 3 COOLING FANS

TO SHEET 9

TO SHEETS 1 & 9

TO SHEET 9

TO SHEET 9

TO SHEET 9

INTERNAL/EXTERNAL CONTACTORS

EMERGENCY STOP RELAY

PHASE SEQUENCE CONTACTORS

DATE 02/05/08

SCALE DNS

CONTRACT C1186

DATE 02/05/08

CHECKED *Michael Pennington*

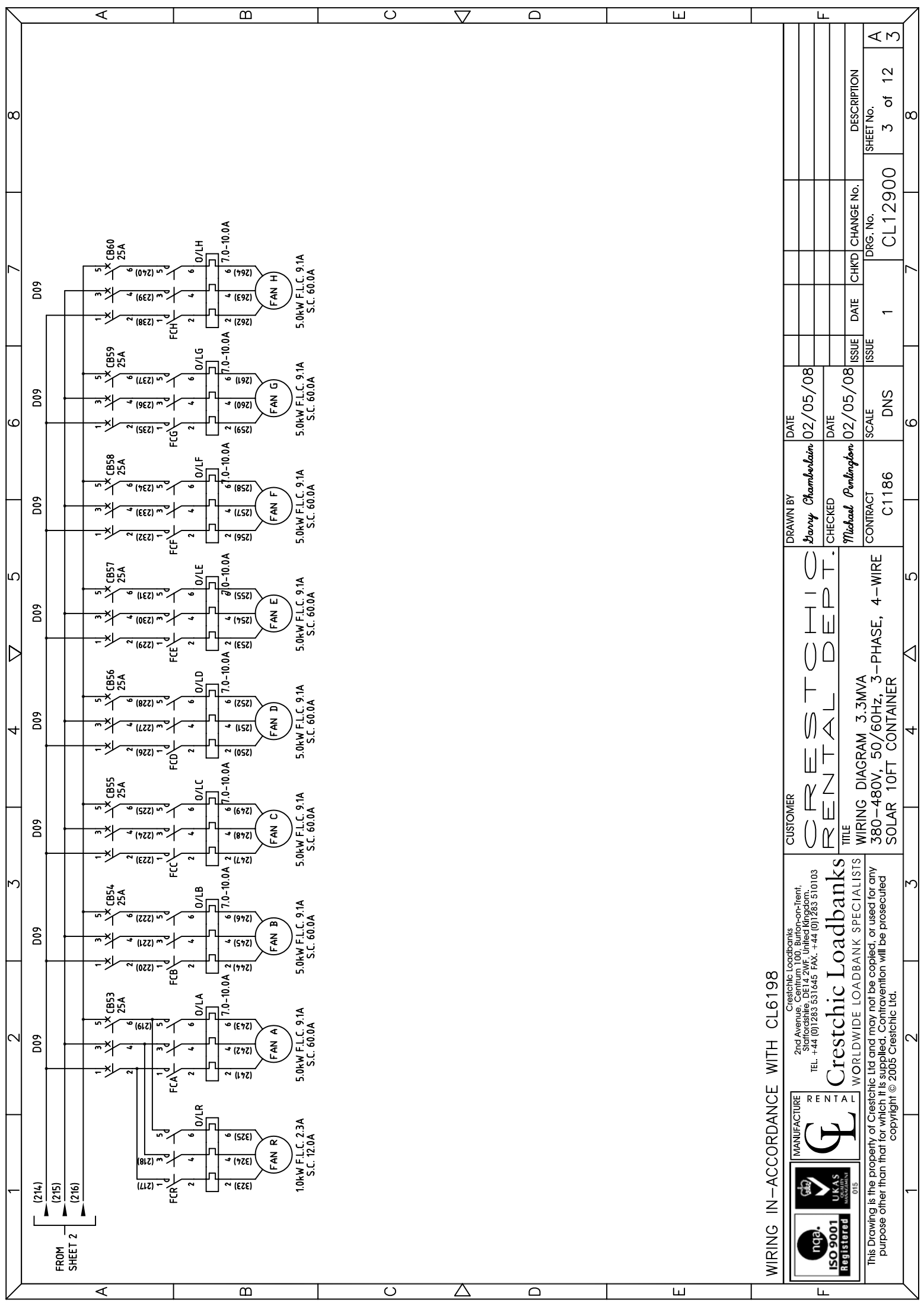
DRAWN BY *Savvy Chamberlain*

CUSTOMER **CRESTCHIC RENTAL DEPT.**




TITLE **WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER**

Crestchic Loadbanks  
WORLDWIDE LOADBANK SPECIALISTS

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WIRING IN-ACCORDANCE WITH CL6198

Crestchic Loadbanks  
 2nd Avenue, Centrum 100, Burton-on-Trent,  
 Staffordshire, DE14 2WF, United Kingdom.  
 TEL. +44 (0)1283 531645 FAX. +44 (0)1283 510103

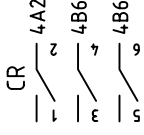
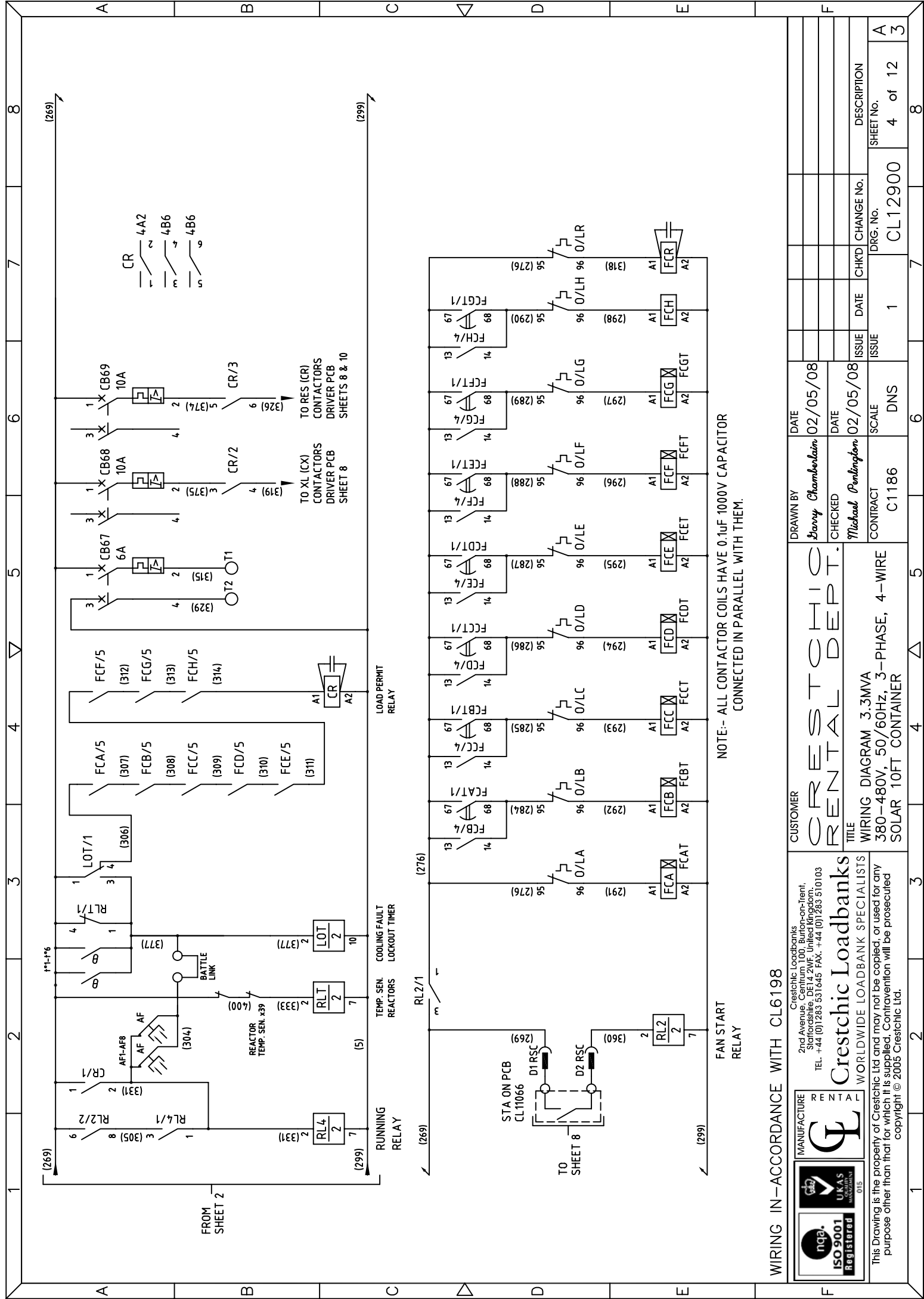
**Crestchic Loadbanks**  
 WORLDWIDE LOADBANK SPECIALISTS

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CUSTOMER		DATE	
CRESTCHIC RENTAL DEPT.		02/05/08	
TITLE		DATE	
WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER		02/05/08	
DRAWN BY	CHECKED	ISSUE	CHANGE No.
Larry Chamberlain	Michael Pennington	ISSUE	CL12900
CONTRACT		SCALE	DRG. No.
C1186		DNS	1

DESCRIPTION	SHEET No.
	3 of 12
	A

1	7	8
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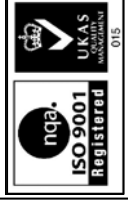


TO RES (CR)  
CONTACTORS  
DRIVER PCB  
SHEETS 8 & 10

TO XL (CX)  
CONTACTORS  
DRIVER PCB  
SHEET 8

NOTE:- ALL CONTACTOR COILS HAVE 0.1uF 1000V CAPACITOR  
CONNECTED IN PARALLEL WITH THEM.

WIRING IN-ACCORDANCE WITH CL6198



CUSTOMER  
**CRESTCHIC RENTAL DEPT.**

TITLE  
WIRING DIAGRAM 3.3MVA  
380-480V, 50/60HZ, 3-PHASE, 4-WIRE  
SOLAR 10FT CONTAINER

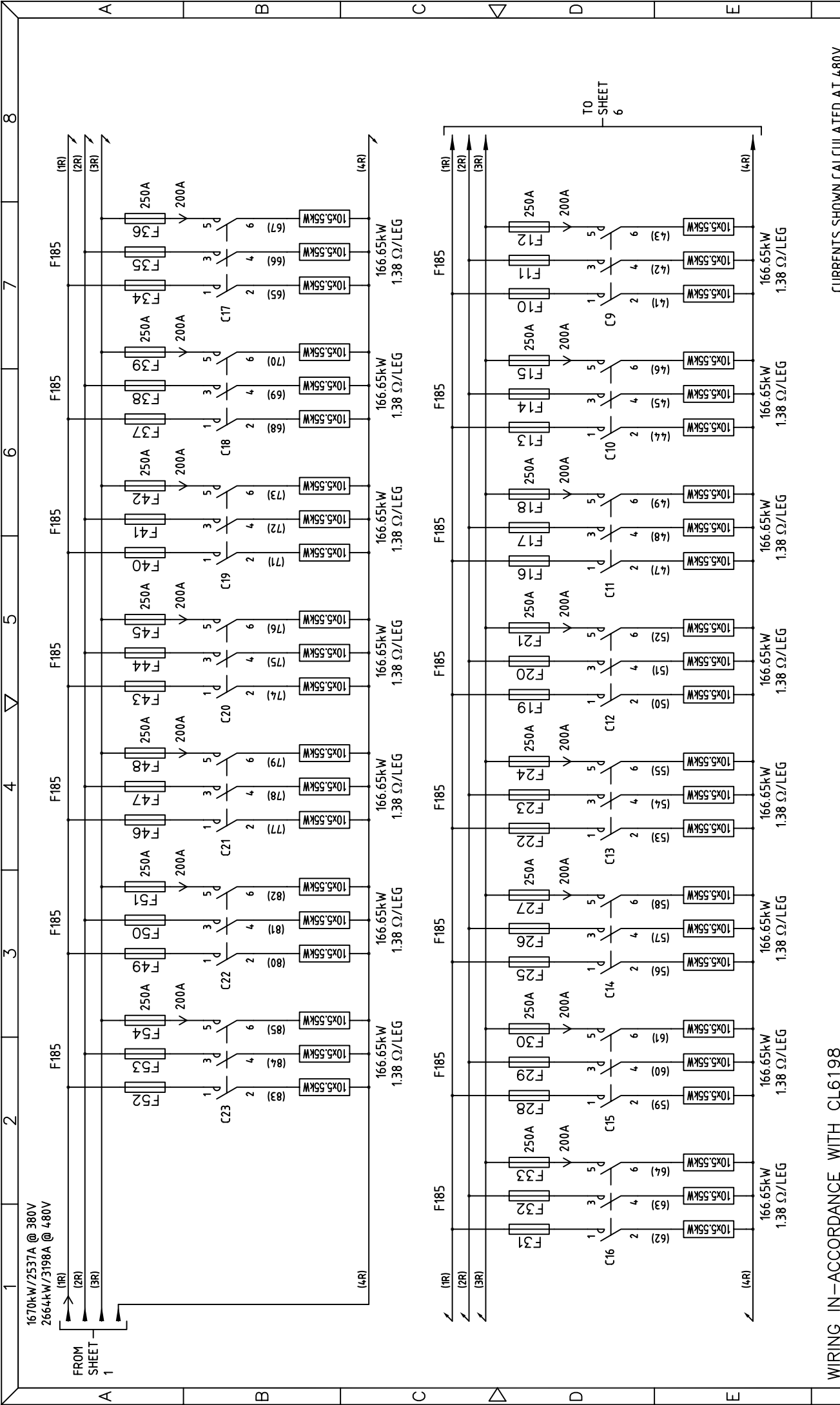
DRAWN BY  
*Savvy Chamberlain*

CHECKED  
*Michael Pennington*

DATE  
02/05/08

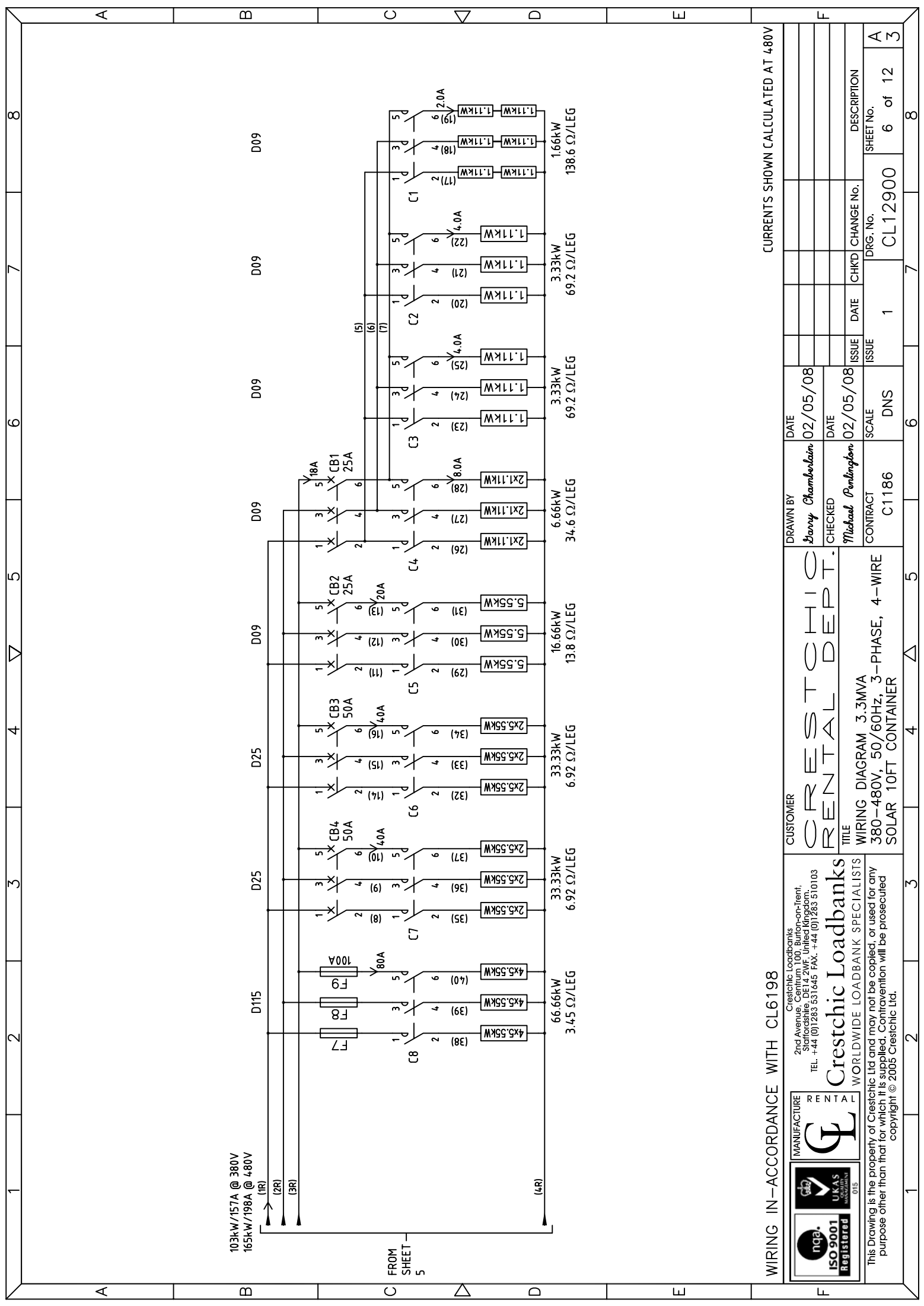
SCALE  
DNS

ISSUE	DATE	CHKD	CHANGE No.	DESCRIPTION
1	02/05/08			



WIRING IN-ACCORDANCE WITH CL6198 CURRENTS SHOWN CALCULATED AT 480V

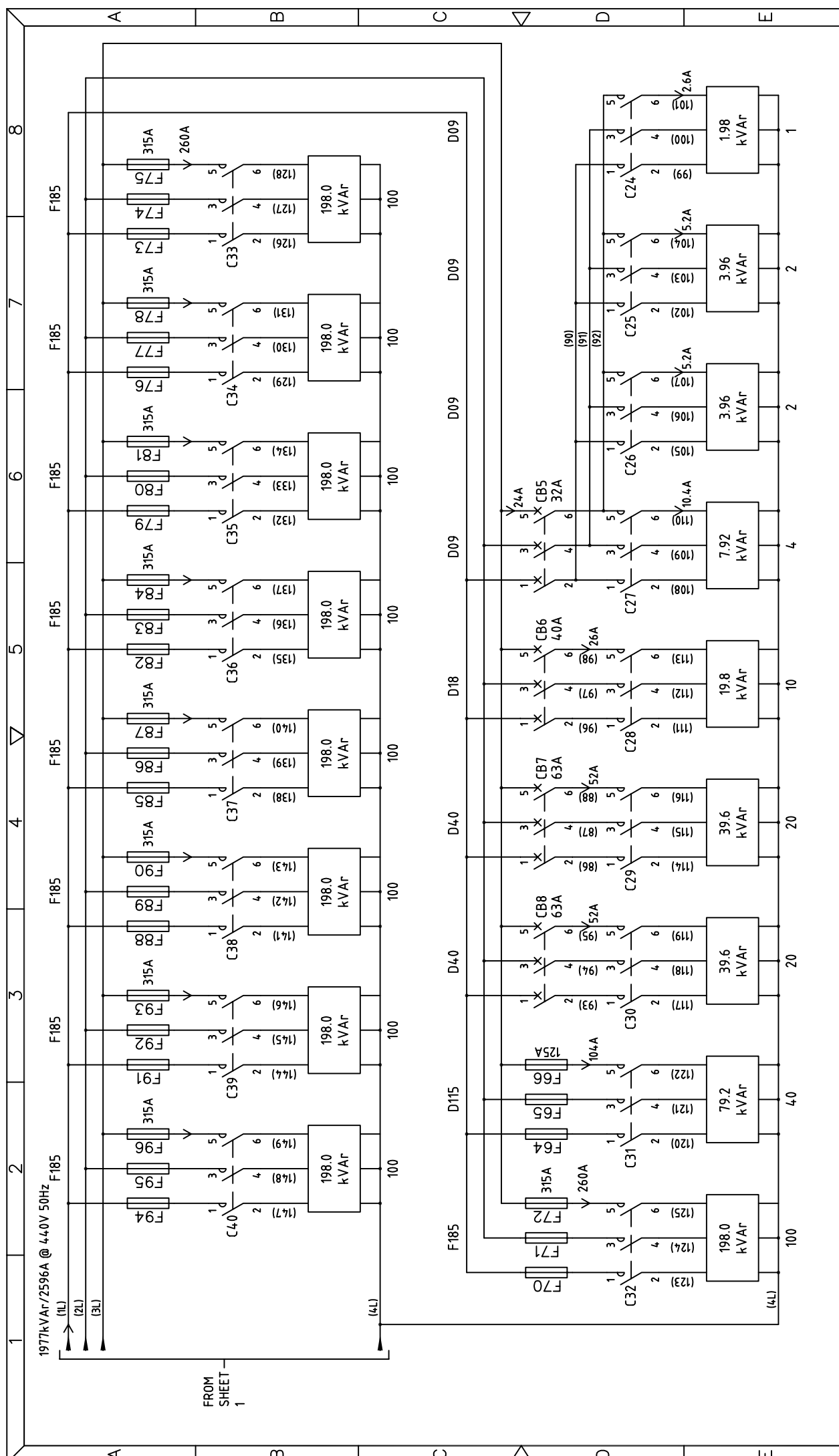
			<b>Crestchic Loadbanks</b> WORLDWIDE LOADBANK SPECIALISTS 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom. TEL. +44 (0)1283 531645 FAX. +44 (0)1283 510103	CUSTOMER <b>CRESTIC DEPT.</b> TITLE <b>WIRING DIAGRAM 3.3MVA          380-480V, 50/60HZ, 3-PHASE, 4-WIRE          SOLAR 10FT CONTAINER</b>	DRAWN BY <i>Savvy Chamberlain</i>	DATE 02/05/08	
					CHECKED <i>Michael Pennington</i>	DATE 02/05/08	
CONTRACT C1186			SCALE DNS	ISSUE 1	ISSUE 1	CHANGE No. CL12900	DESCRIPTION A
SHEET No. 5 of 12			DRG. No. CL12900		SHEET No. 5 of 12		3



WIRING IN-ACCORDANCE WITH CL6198

CURRENTS SHOWN CALCULATED AT 480V

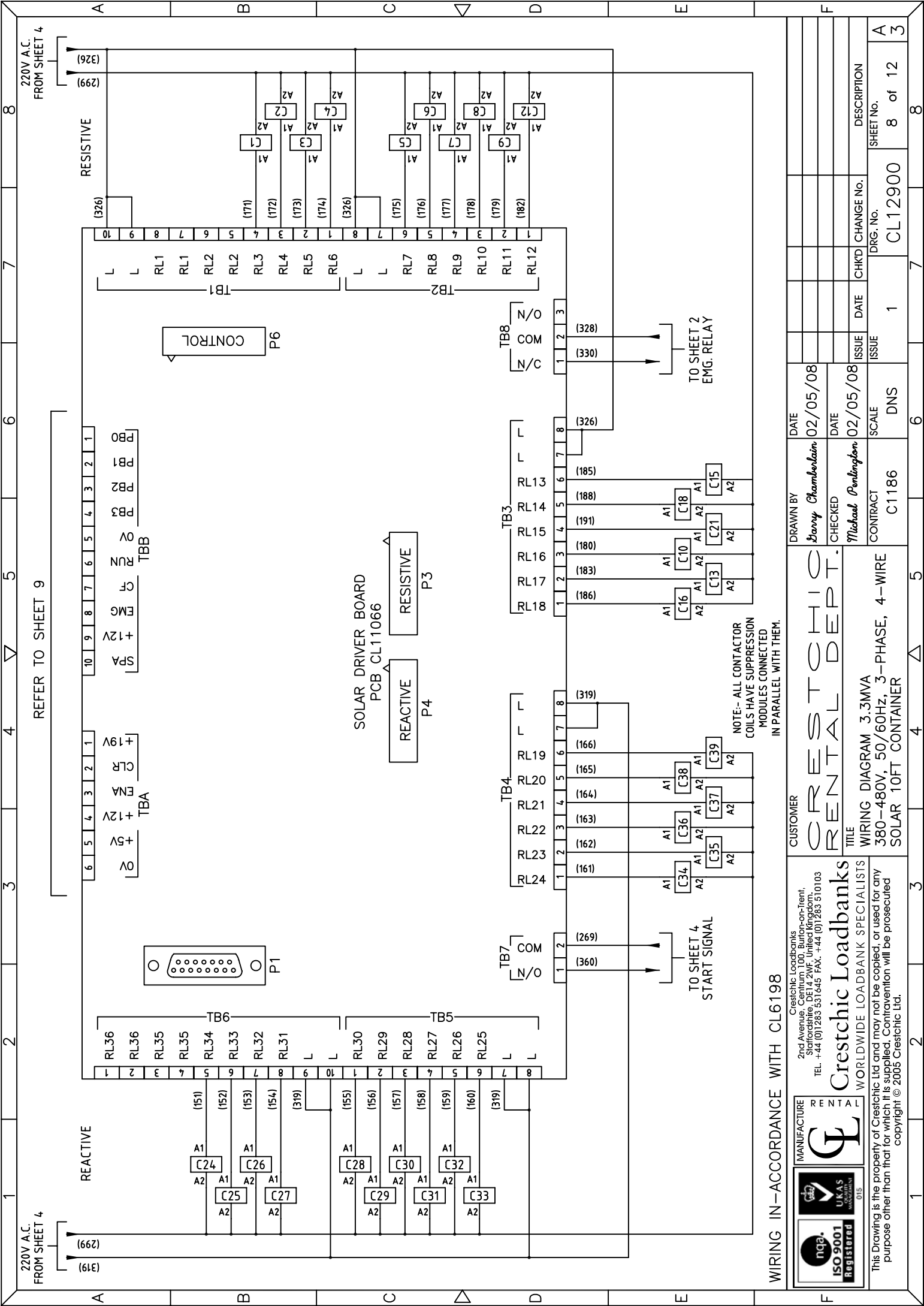
						Crestrich Loadbanks 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom. TEL. +44 (0)1283 531645 FAX. +44 (0)1283 510103		CUSTOMER <b>CRESTIC DEPT.</b> RENTAL DEPT.		DRAWN BY <i>Larry Chamberlain</i>		DATE 02/05/08	
		WORLDWIDE LOADBANK SPECIALISTS		TITLE <b>WIRING DIAGRAM 3.3MVA</b> <b>380-480V, 50/60HZ, 3-PHASE, 4-WIRE</b> <b>SOLAR 10FT CONTAINER</b>		CHECKED <i>Michael Pennington</i>		DATE 02/05/08		ISSUE 1		CHANGE No. CL12900	
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										SHEET No. 6 of 12		DESCRIPTION A	
										DRG. No. 1		SHEET No. 6 of 12	
										1		8	



WIRING IN-ACCORDANCE WITH CL6198

CURRENTS SHOWN CALCULATED AT 4.40V 50Hz

MANUFACTURE <b>CRESTIC</b> WORLDWIDE LOADBANK SPECIALISTS		CUSTOMER <b>CRESTIC</b> RENTAL DEPT.		DRAWN BY <i>Savvy Chamberlain</i>		DATE 02/05/08		CHECKED <i>Michael Pennington</i>		DATE 02/05/08	
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SHEET No. 7 of 12		DRG. No. CL12900		ISSUE 1		DATE 02/05/08		CHECKD 1		DESCRIPTION 7 of 12	



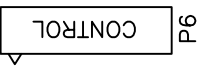
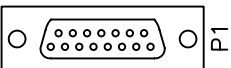
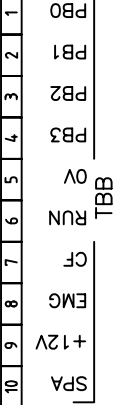
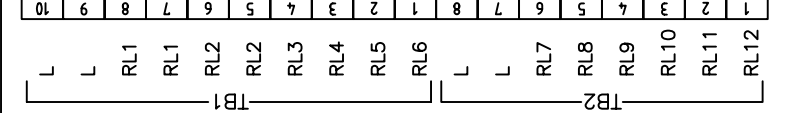
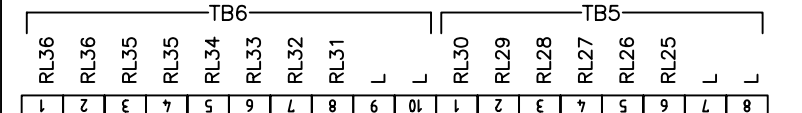
220V A.C.  
FROM SHEET 4  
(61E)

REFER TO SHEET 9

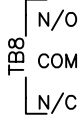
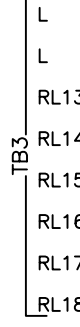
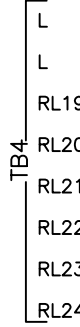
220V A.C.  
FROM SHEET 4  
(32E)

REACTIVE

RESISTIVE



SOLAR DRIVER BOARD  
PCB CL11066



TO SHEET 4  
START SIGNAL

TO SHEET 2  
EMG. RELAY

NOTE-- ALL CONTACTOR  
COILS HAVE SUPPRESSION  
MODULES CONNECTED  
IN PARALLEL WITH THEM.

WIRING IN-ACCORDANCE WITH CL6198

Customer: **CRESTAL DEPT.**

Manufacturer: **Crestchic Loadbanks**

Worldwide Loadbank Specialists

Address: 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom.

TEL: +44 (0)1283 531645 FAX: +44 (0)1283 510103

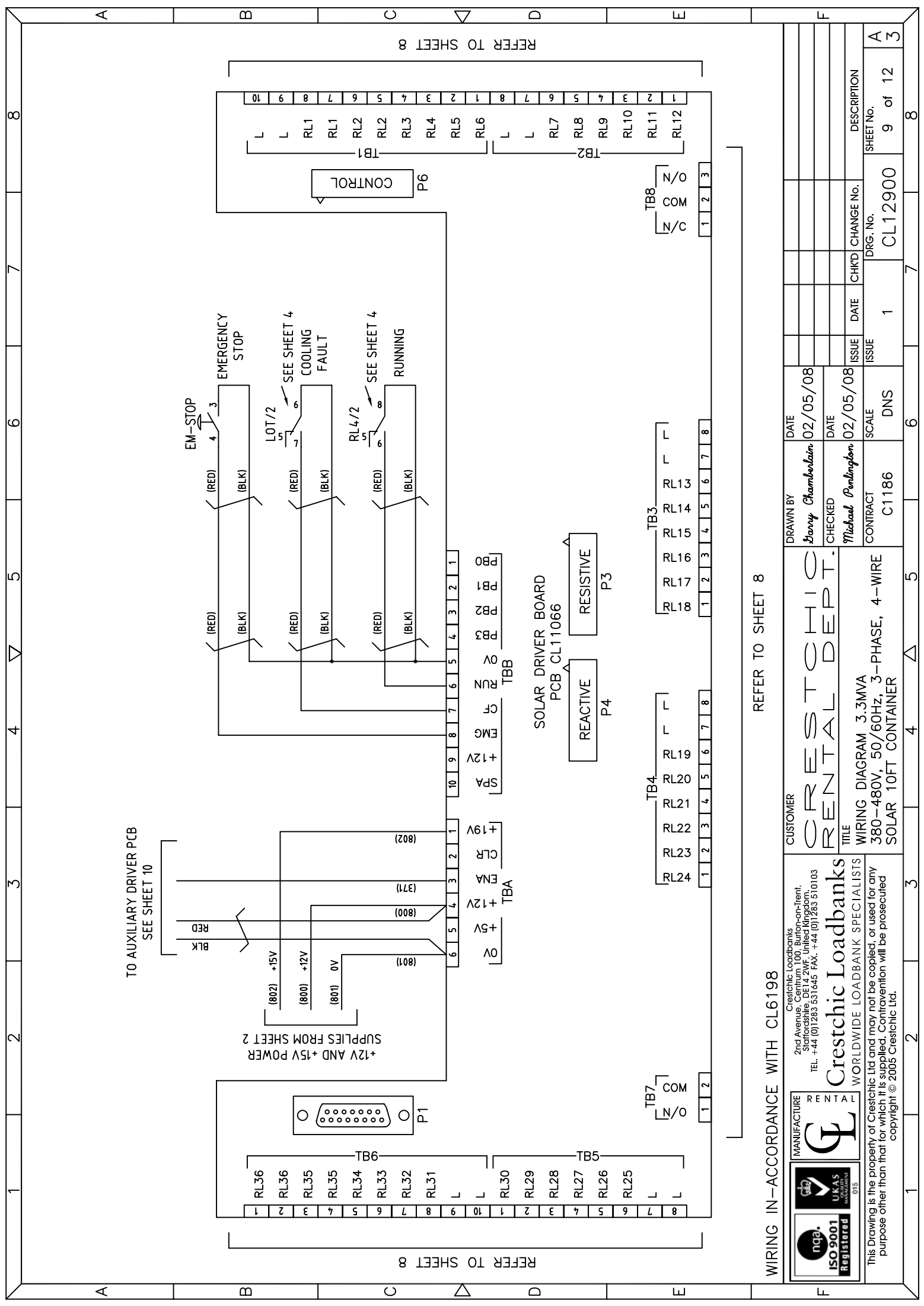
ISO 9001 Registered

UKAS MANUFACTURING 015

Wiring Diagram: 3.3MVA, 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER

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DRAWN BY	DATE	ISSUE	DESCRIPTION
Leary Chamberlain	02/05/08		
CHECKED	DATE	ISSUE	DESCRIPTION
Michael Pennington	02/05/08		
CONTRACT	SCALE	DRG. No.	SHEET No.
C1186	DNS	CL12900	8 of 12
		1	3



TO AUXILIARY DRIVER PCB  
SEE SHEET 10

+12V AND +15V POWER  
SUPPLIES FROM SHEET 2

REFER TO SHEET 8

REFER TO SHEET 8

SOLAR DRIVER BOARD  
PCB CL11066

REACTIVE  
P4

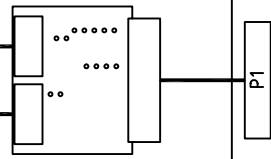
RESISTIVE  
P3

WIRING IN-ACCORDANCE WITH CL6198

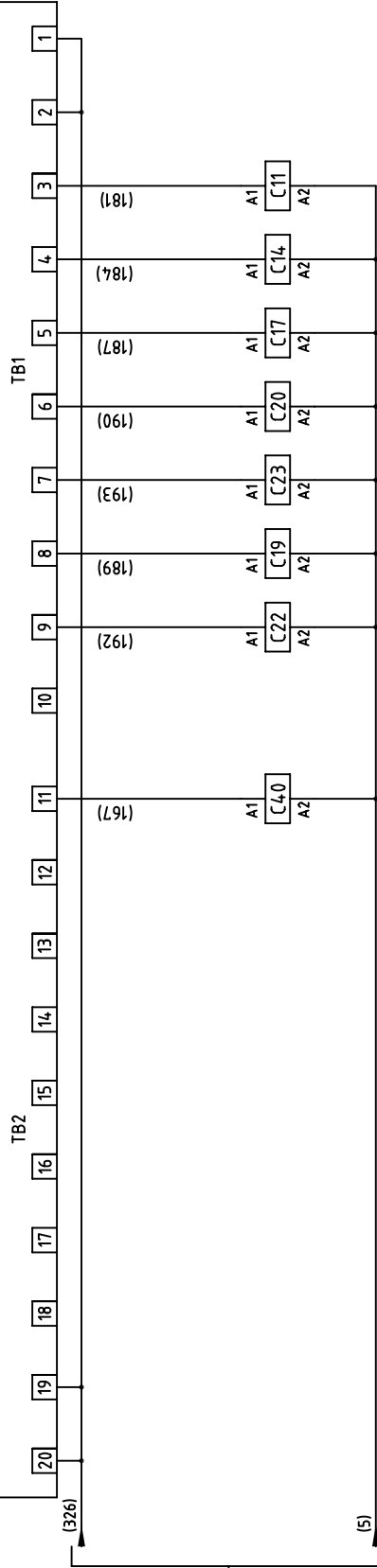
REFER TO SHEET 8

<p>Crestchic Loadbanks 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom. TEL: +44 (0)1283 531645 FAX: +44 (0)1283 510103</p>		<p>CUSTOMER <b>CRESTAL RENTAL</b></p>		<p>DRAWN BY <i>Larry Chamberlain</i></p>		<p>DATE 02/05/08</p>		<p>ISSUE 1</p>		<p>DRG. No. CL12900</p>	
<p><b>Crestchic Loadbanks</b> WORLDWIDE LOADBANK SPECIALISTS</p>		<p>TITLE WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER</p>		<p>CHECKED <i>Michael Pennington</i></p>		<p>DATE 02/05/08</p>		<p>ISSUE 1</p>		<p>CHANGE No. CL12900</p>	
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1		2		3		4		5		6	
7		8		9		10		11		12	

COMMS - SEE SHEET 12



AUXILIARY BOARD  
PCB CL11070



NOTE:- ALL CONTACTOR  
COILS HAVE SUPPRESSION  
MODULES CONNECTED  
IN PARALLEL WITH THEM.

WIRING IN-ACCORDANCE WITH CL6198

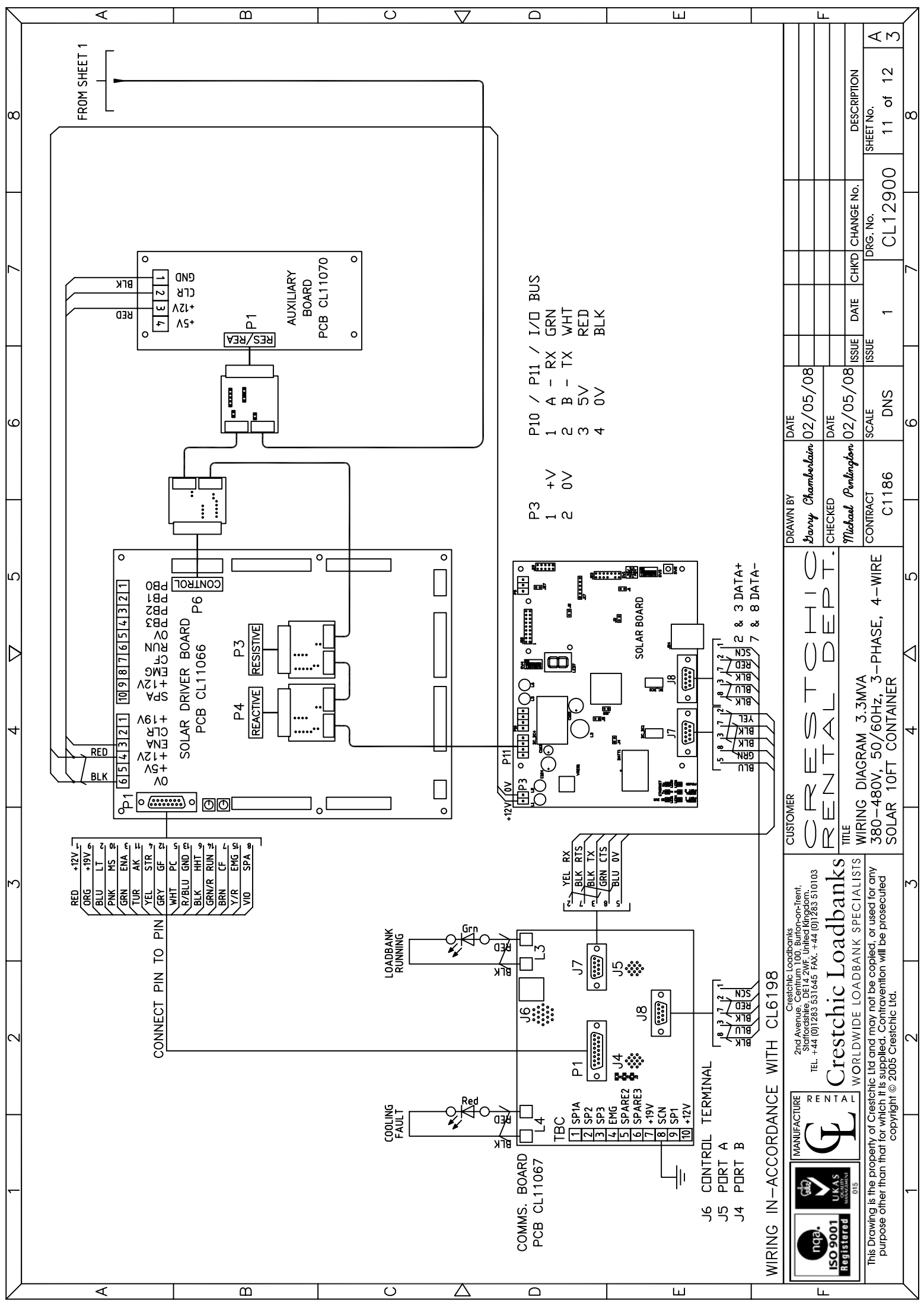
		<p>Crestchic Loadbanks 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom. TEL. +44 (0)1283 531645 FAX. +44 (0)1283 510103</p>	<p>CUSTOMER <b>CRESTCHIC RENTAL DEPT.</b></p>
<p>MANUFACTURE</p>		<p>TITLE WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER</p>	<p>DRAWN BY <i>Larry Chamberlain</i></p>
<p>WORLDWIDE LOADBANK SPECIALISTS</p>		<p>DATE 02/05/08</p>	<p>DATE 02/05/08</p>
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DRG. No.	CHANGE No.	DATE	ISSUE	CHKD	DESCRIPTION
CL12900		1	1		

SCALE	DATE	ISSUE	CHKD	DESCRIPTION
DNS	02/05/08	1		

CONTRACT	SCALE	DATE	ISSUE	CHKD	DESCRIPTION
C1186	DNS	02/05/08	1		

SHEET No. 10 of 12  
A 3



CONNECT PIN TO PIN

RED	+12V
ORG	+19V
BLU	LT
PNK	MS
GRN	ENA
TUR	AK
YEL	STR
GRY	GF
WHT	PC
R/BLU	GND
BLK	HHT
GRN/R	RUN
BRN	CF
Y/R	EMG
VIO	SPA

P10 / P11 / I/O BUS

1	A - RX	GRN
2	B - TX	WHT
3	5V	RED
4	0V	BLK

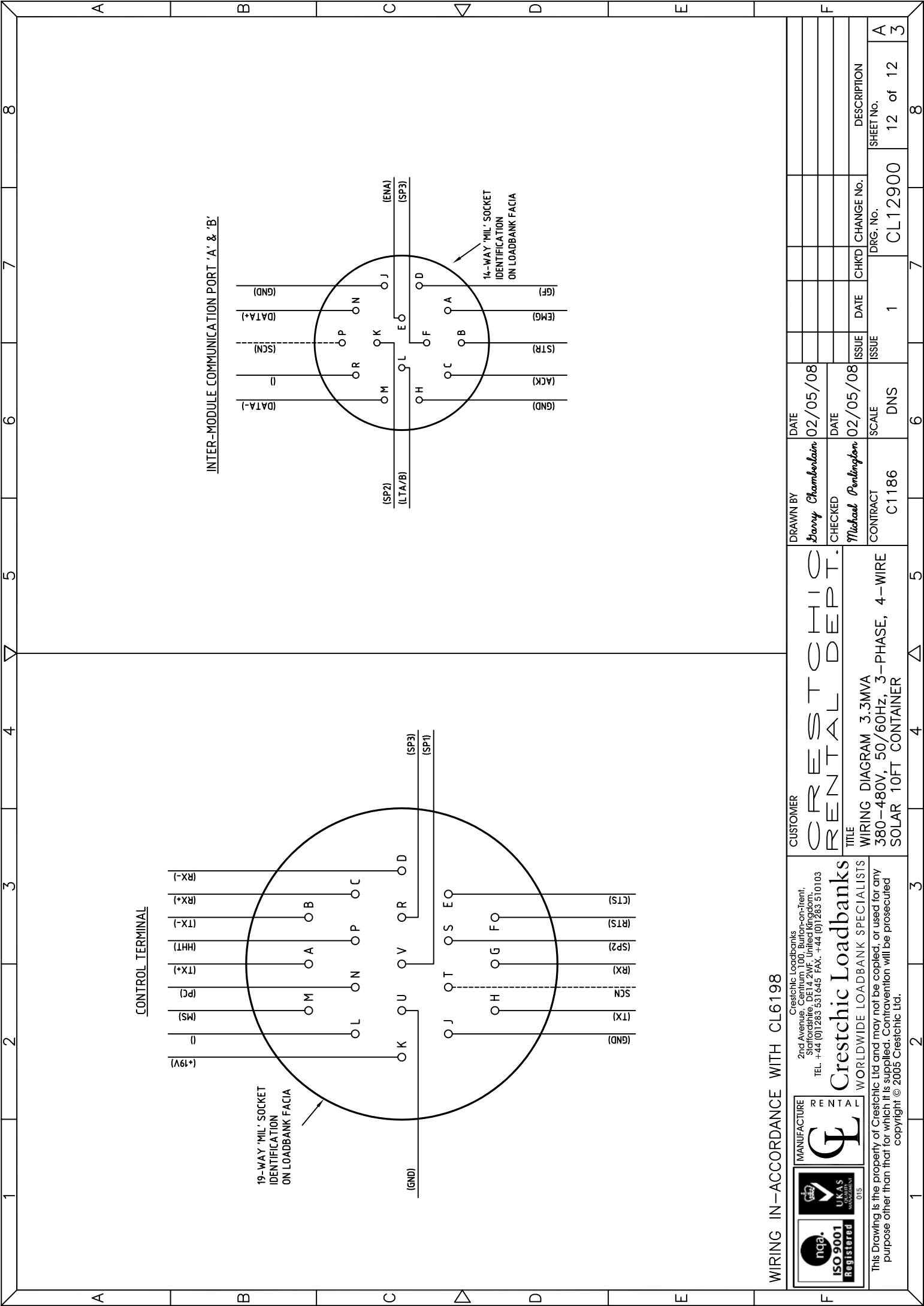
P3

1	+V
2	0V

WIRING IN-ACCORDANCE WITH CL6198

<p>Crestchic Loadbanks          2nd Avenue, Centrum 100, Burton-on-Trent,          Staffordshire, DE14 2WF, United Kingdom.          TEL: +44 (0)1283 531645 FAX: +44 (0)1283 510103</p>			
<p>WORLDWIDE LOADBANK SPECIALISTS</p>			
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CUSTOMER	DATE	DRAWN BY	DATE
CRESTCHIC RENTAL DEPT.	02/05/08	Larry Chamberlain	02/05/08
TITLE	CHECKED	CHECKED	DATE
WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER	Michael Pennington	Michael Pennington	02/05/08
	CONTRACT	SCALE	ISSUE
	C1186	DNS	ISSUE
			DRG. No.
			CL12900
			DESCRIPTION
			SHEET No.
			11 of 12
			8



1 2 3 4 5 6 7 8

A B C D E F

A B C D E F

WIRING IN-ACCORDANCE WITH CL6198

		<p>Crestchic Loadbanks 2nd Avenue, Centrum 100, Burton-on-Trent, Staffordshire, DE14 2WF, United Kingdom. TEL. +44 (0)1283 531645 FAX. +44 (0)1283 510103</p>	<p>CUSTOMER <b>CRESTCHIC RENTAL DEPT.</b></p>	<p>DRAWN BY <i>Larry Chamberlain</i></p>	<p>DATE 02/05/08</p>
<p>MANUFACTURE</p>		<p><b>Crestchic Loadbanks</b> WORLDWIDE LOADBANK SPECIALISTS</p>	<p>TITLE WIRING DIAGRAM 3.3MVA 380-480V, 50/60HZ, 3-PHASE, 4-WIRE SOLAR 10FT CONTAINER</p>	<p>CHECKED <i>Michael Penlington</i></p>	<p>DATE 02/05/08</p>
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		<p>DRG. No. CL12900</p>		<p>ISSUE 1</p>	<p>DESCRIPTION SHEET No. 12 of 12</p>

1 2 3 4 5 6 7 8