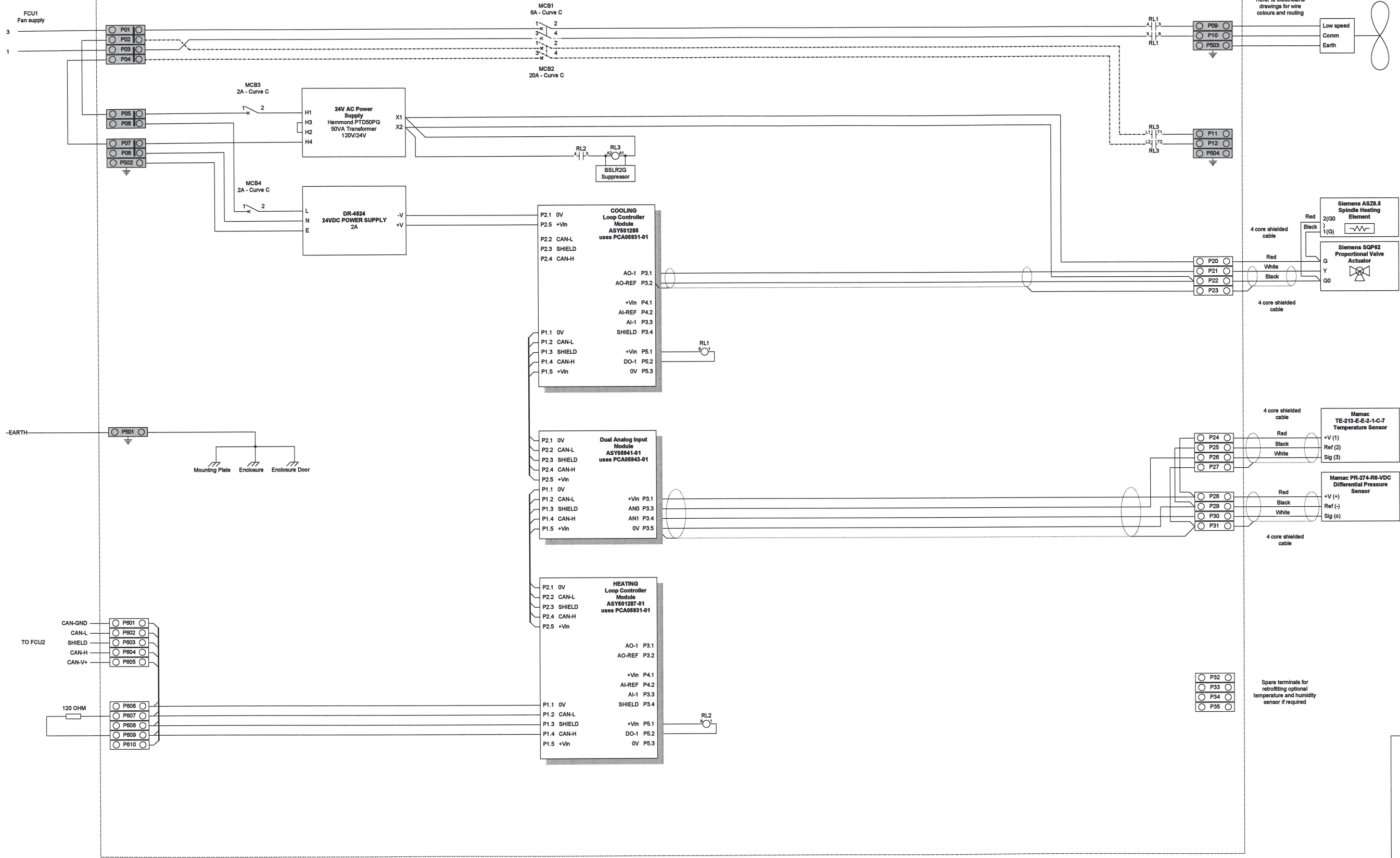
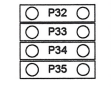
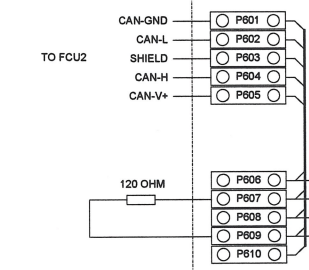
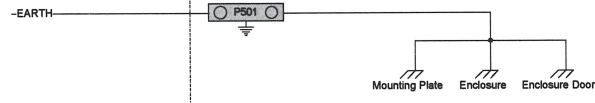
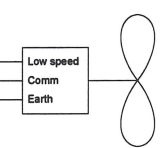


Refer to electricians drawings for wire colours and routing



Refer to electricians drawings for wire colours and routing

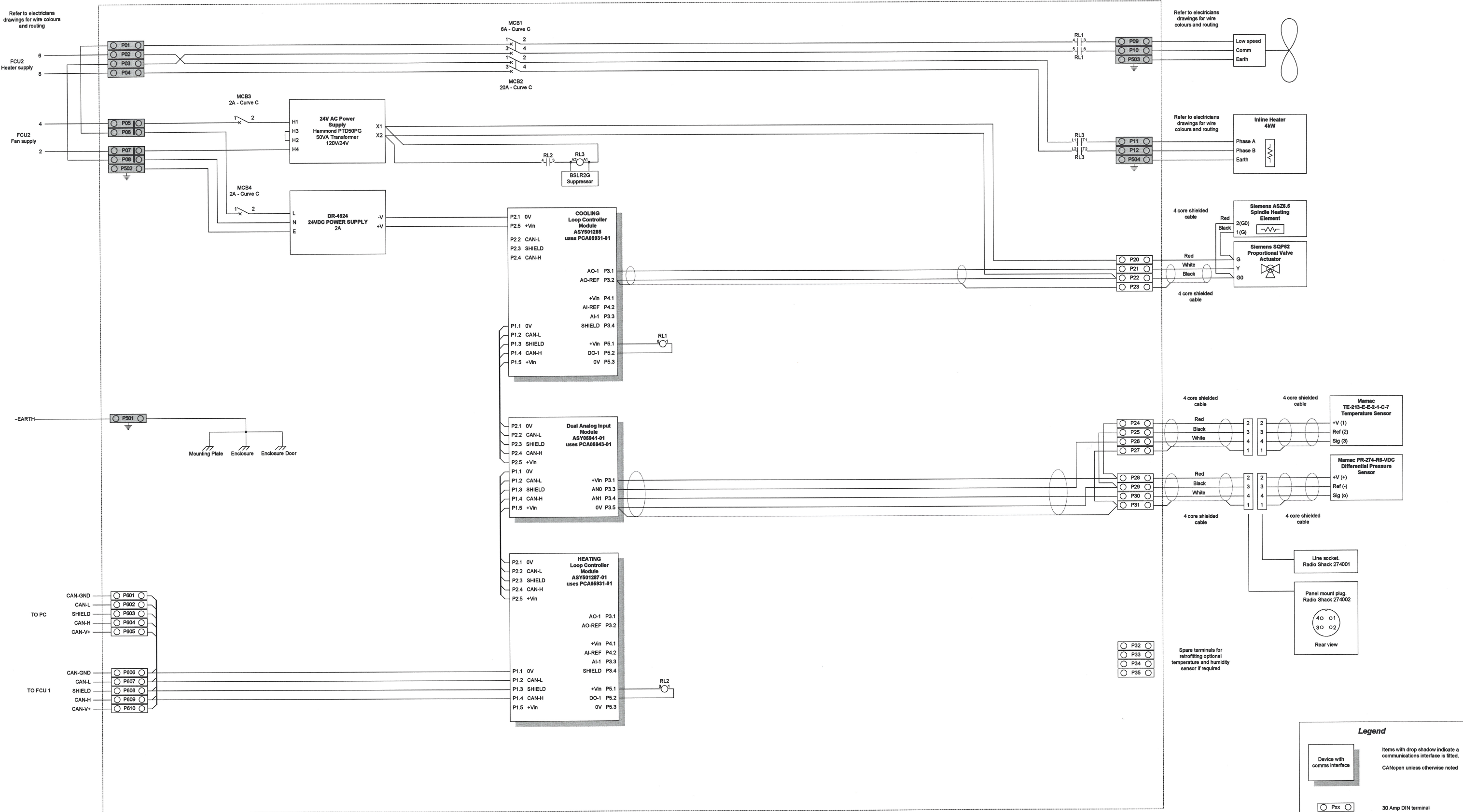


Spare terminals for retrofitting optional temperature and humidity sensor if required

Legend

- Device with comms interface
- Items with drop shadow indicate a communications interface is fitted.
- CANopen unless otherwise noted
- Optional wiring may be retrofitted if heater is required
- Pxx (circle) 30 Amp DIN terminal
- Pxx (square) 55 Amp DIN terminal
- *P* is the panel identifier and corresponds to the FCU number

| | | | |
|--------------------------------|---------------------|--|------------|
| DRAWN BY JEFF BROWN | DATE | EOS Space Systems 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| CHECKED KB | DATE 25 Oct 2006 | Link Control System - Wiring Diagram AIR CONDITIONING CONTROLS - FCU1 | |
| APPROVED <i>[Signature]</i> | DATE 24/10/06 | DRAWING NUMBER WD-500626-01 As Built | SIZE A1 |
| SCALE | NTS | SHEET | 1 OF 1 |



Refer to electricians drawings for wire colours and routing

Refer to electricians drawings for wire colours and routing

FCU2 Heater supply

FCU2 Fan supply

-EARTH

TO PC

TO FCU 1

Mounting Plate Enclosure Enclosure Door

Refer to electricians drawings for wire colours and routing

4 core shielded cable

4 core shielded cable

4 core shielded cable

4 core shielded cable

4 core shielded cable

Spare terminals for retrofitting optional temperature and humidity sensor if required

Legend

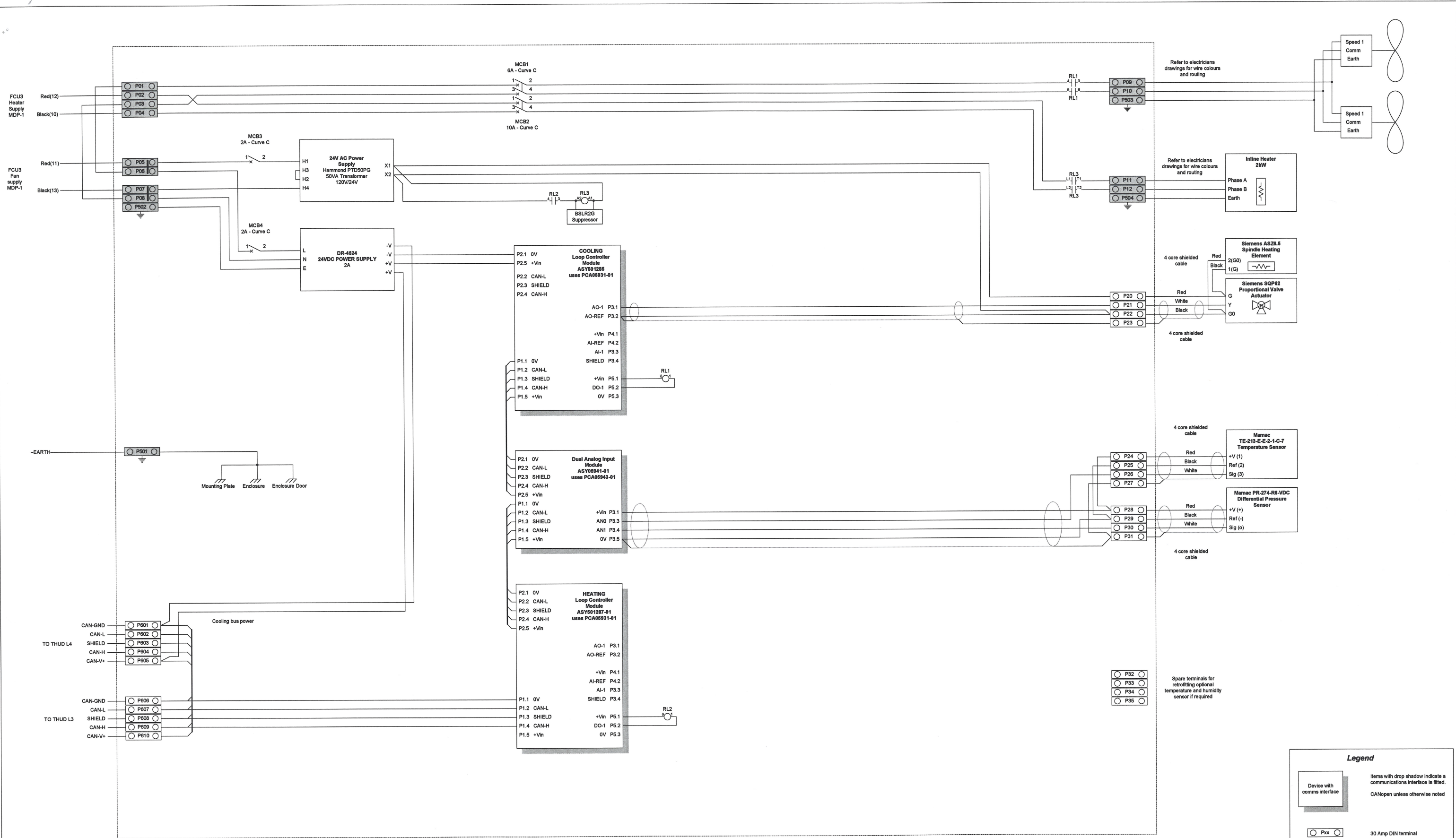
Device with drop shadow indicates a communications interface is fitted.
CANopen unless otherwise noted

Pxx 30 Amp DIN terminal

Pxx 55 Amp DIN terminal

P is the panel identifier and corresponds to the FCU number

| | | | | | |
|--------------------|--|-------------|--|--|--|
| DRAWN BY | | DATE | | EOS Space Systems | |
| JEFF BROWN | | | | 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| CHECKED | | DATE | | Lick Control System - Wiring Diagram | |
| KB | | 24 Oct 2006 | | AIR CONDITIONING CONTROLS - FCU2 | |
| APPROVED | | DATE | | DRAWING NUMBER | |
| <i>[Signature]</i> | | 26/10/06 | | WD-500623-01 As Built | |
| SCALE | | NTS | | SHEET | |
| | | | | 1 OF 1 | |



Refer to electricians drawings for wire colours and routing

Refer to electricians drawings for wire colours and routing

Refer to electricians drawings for wire colours and routing

Refer to electricians drawings for wire colours and routing

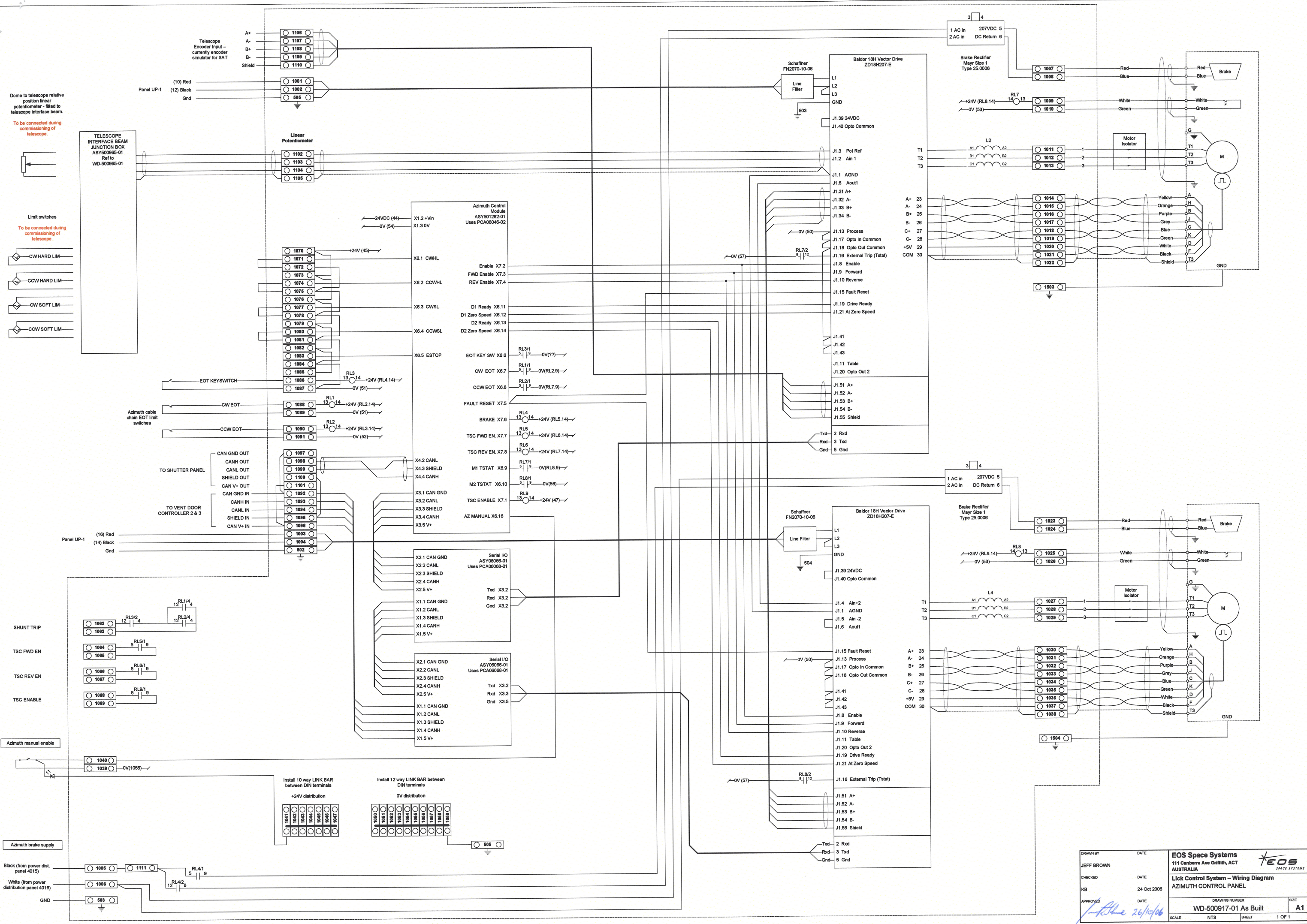
Spare terminals for retrofitting optional temperature and humidity sensor if required

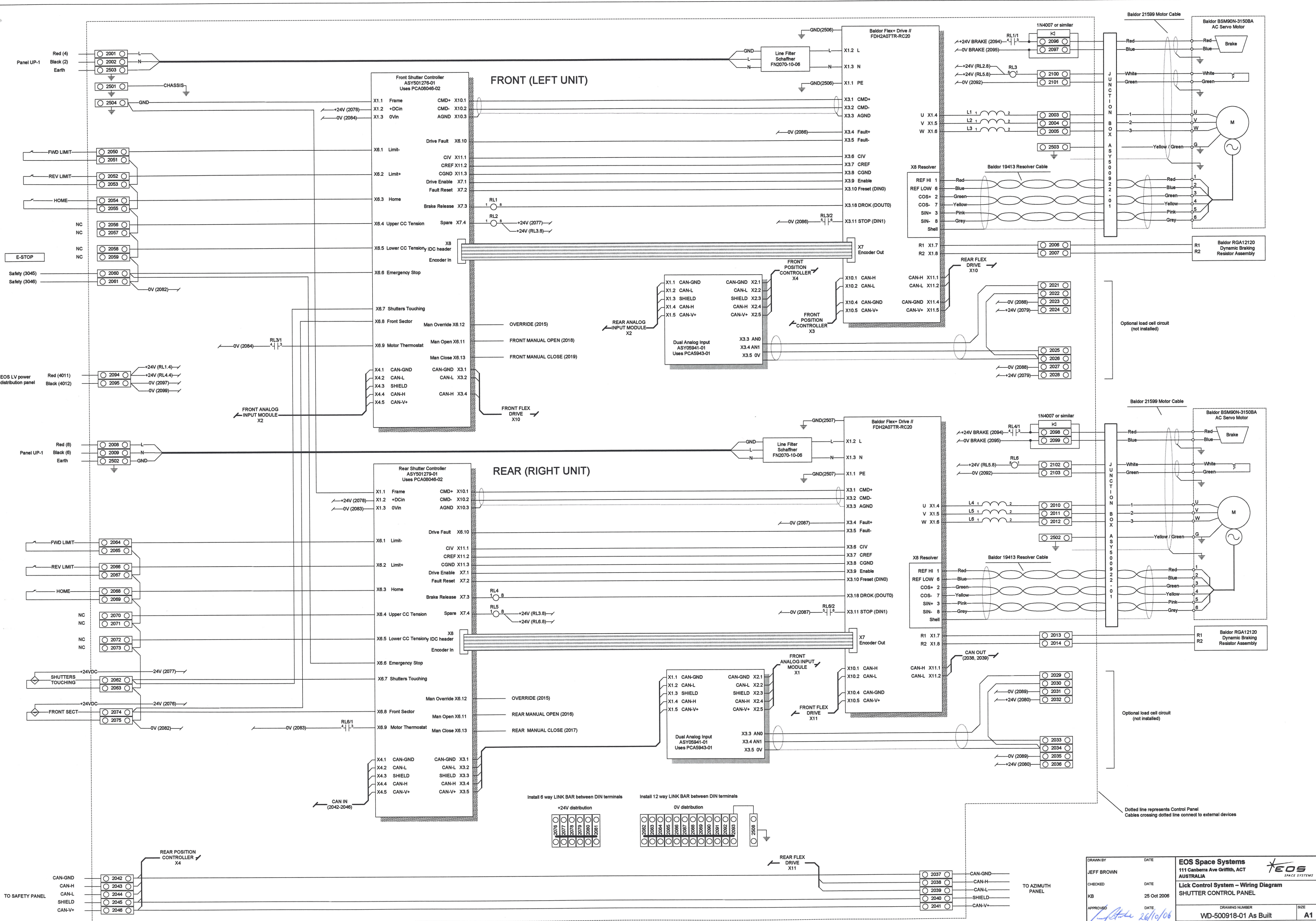
Legend

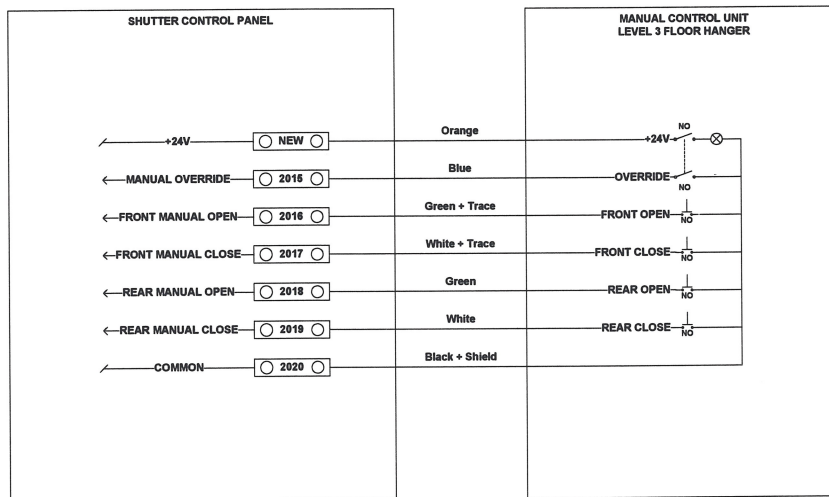
- Device with comma interface
- Items with drop shadow indicate a communications interface is fitted. CANopen unless otherwise noted
- Pxx 30 Amp DIN terminal
- Pxx 55 Amp DIN terminal

P is the panel identifier and corresponds to the FCU number


| | | | |
|------------|-------------|---|--------|
| DRAWN BY | DATE | EOS Space Systems 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| JEFF BROWN | | | |
| CHECKED | DATE | Lick Control System - Wiring Diagram AIR CONDITIONING CONTROLS - FCU3 AS INSTALLED | |
| KB | 24 Oct 2006 | DRAWING NUMBER | SIZE |
| APPROVED | DATE | WD-500625-01 As Built | A1 |
| | | SCALE | 1 OF 1 |

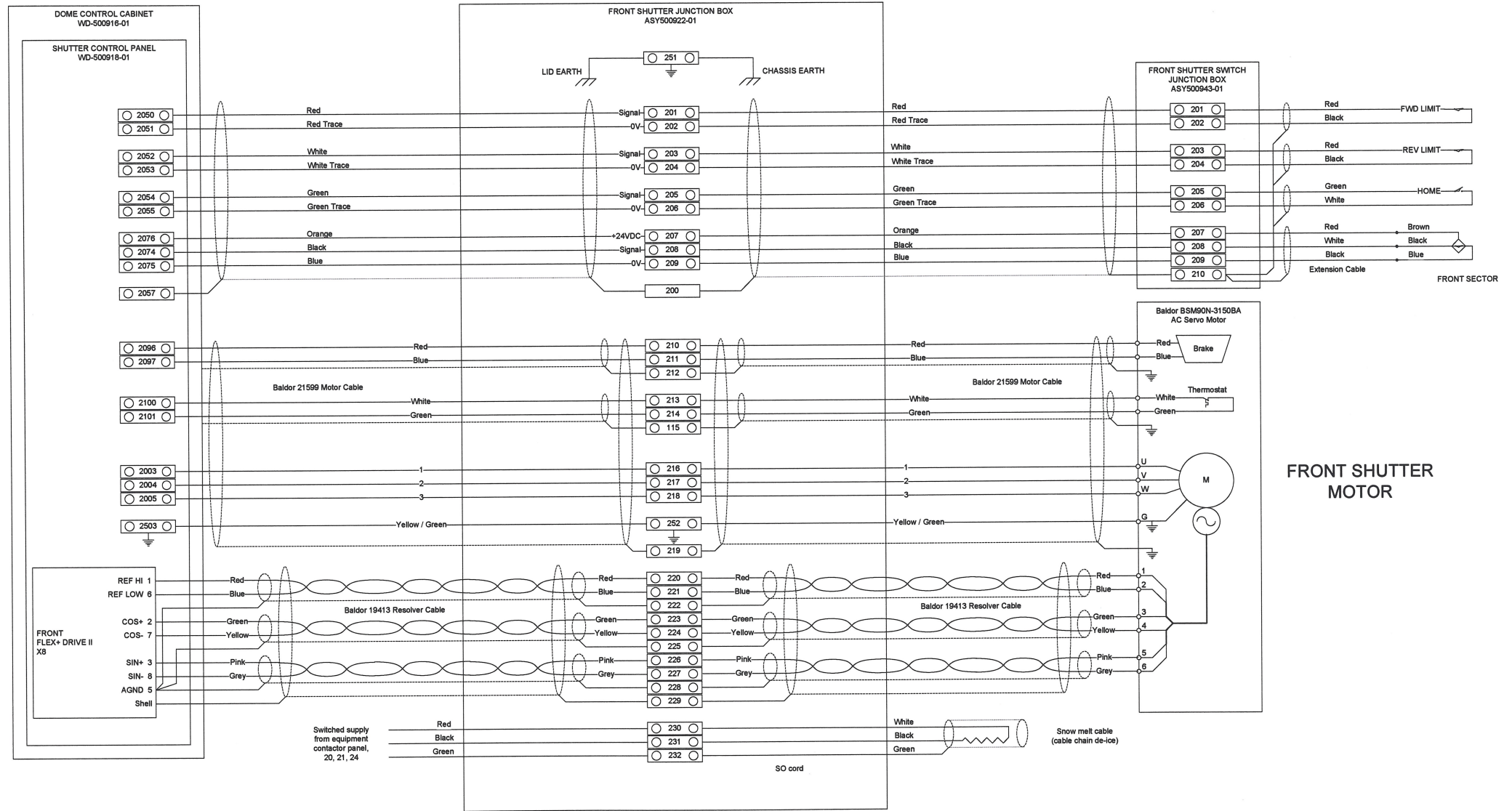


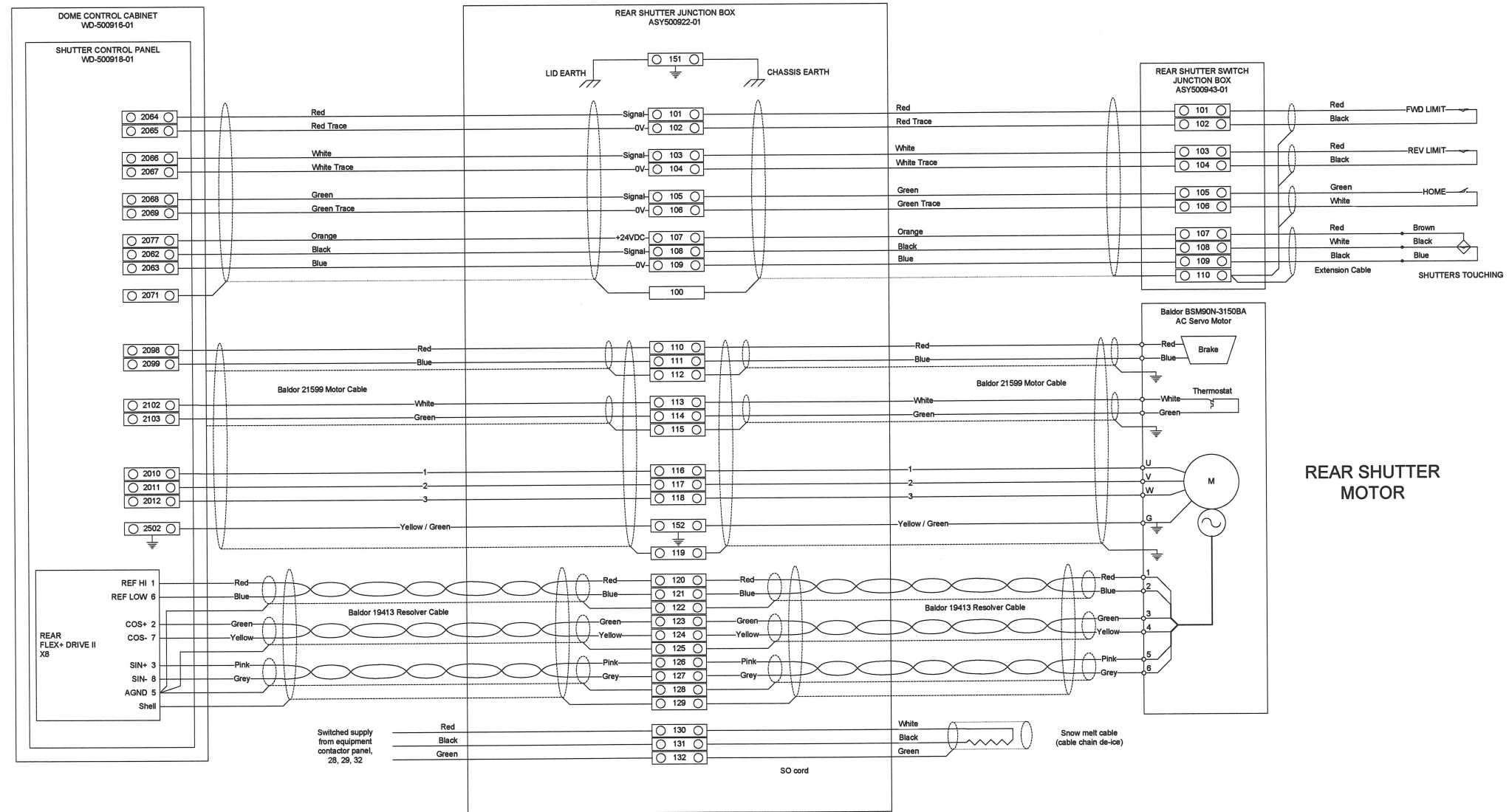


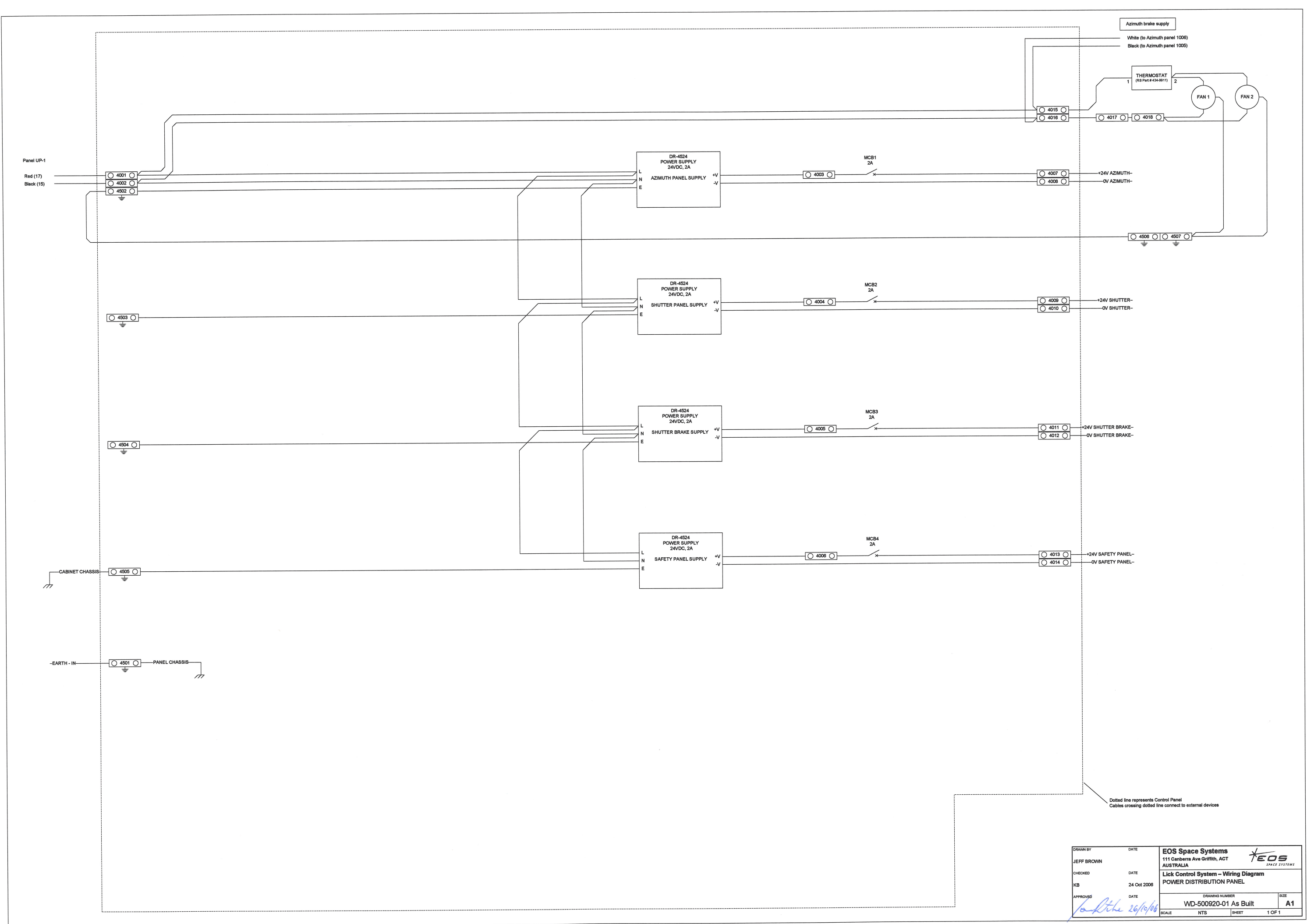


FULL FILENAME
 I:\PROJECTS\LICK APF ENCLOSURE\CONTROLS\ELECTRICAL\AS BUILT ELECTRICAL DRAWINGS\WD-500918-01 LICK SHUTTER CONTROL PANEL AS BUILT.VSD

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|--------------------------------|---------------------|--|---|
| DRAWN BY KEITH BATES | DATE 23 Oct 2006 | EOS Space Systems 111 Canberra Ave Griffith, ACT AUSTRALIA |  |
| CHECKED KB | DATE 23 Oct 2006 | | |
| APPROVED <i>[Signature]</i> | DATE 26/10/06 | Lick Control System – Wiring Diagram SHUTTER CONTROL PANEL MANUAL CONTROL UNIT | DRAWING NUMBER WD-500918-01 - As Built |
| SCALE | NTS | SHEET | 2 OF 2 |







Azimuth brake supply
 White (to Azimuth panel 1006)
 Black (to Azimuth panel 1005)

THERMOSTAT
 (RS Part # 434-8811)

FAN 1
 FAN 2

Panel UP-1
 Red (17)
 Black (15)

DR-4524
 POWER SUPPLY
 24VDC, 2A
 AZIMUTH PANEL SUPPLY

MCB1
 2A

4015
 4016

4017
 4018

4007
 4008

+24V AZIMUTH-
 -0V AZIMUTH-

4506
 4507

4001
 4002
 4502

DR-4524
 POWER SUPPLY
 24VDC, 2A
 SHUTTER PANEL SUPPLY

MCB2
 2A

4009
 4010

+24V SHUTTER-
 -0V SHUTTER-

4503

DR-4524
 POWER SUPPLY
 24VDC, 2A
 SHUTTER BRAKE SUPPLY

MCB3
 2A

4011
 4012

+24V SHUTTER BRAKE-
 -0V SHUTTER BRAKE-

4504

DR-4524
 POWER SUPPLY
 24VDC, 2A
 SAFETY PANEL SUPPLY

MCB4
 2A

4013
 4014

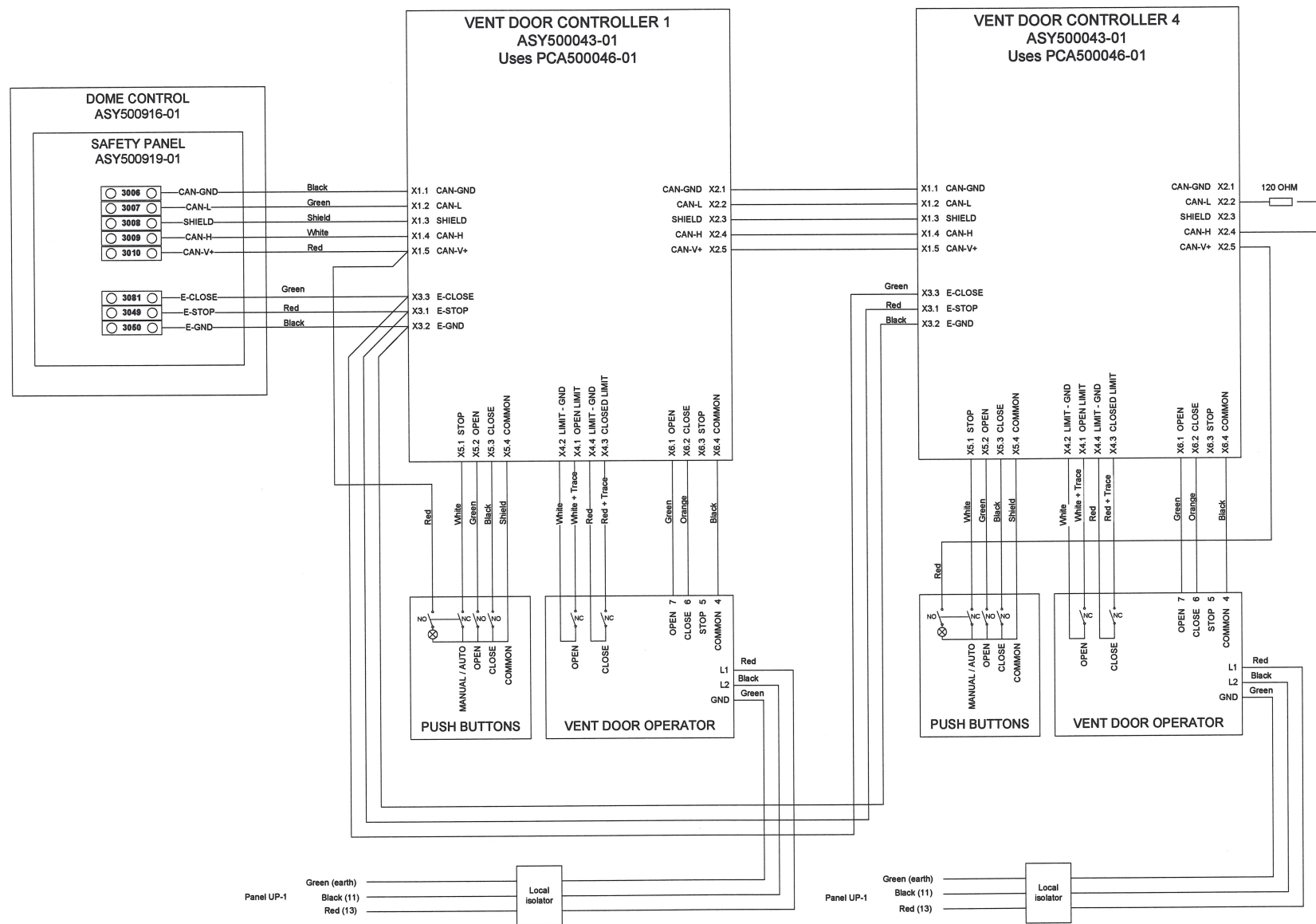
+24V SAFETY PANEL-
 -0V SAFETY PANEL-

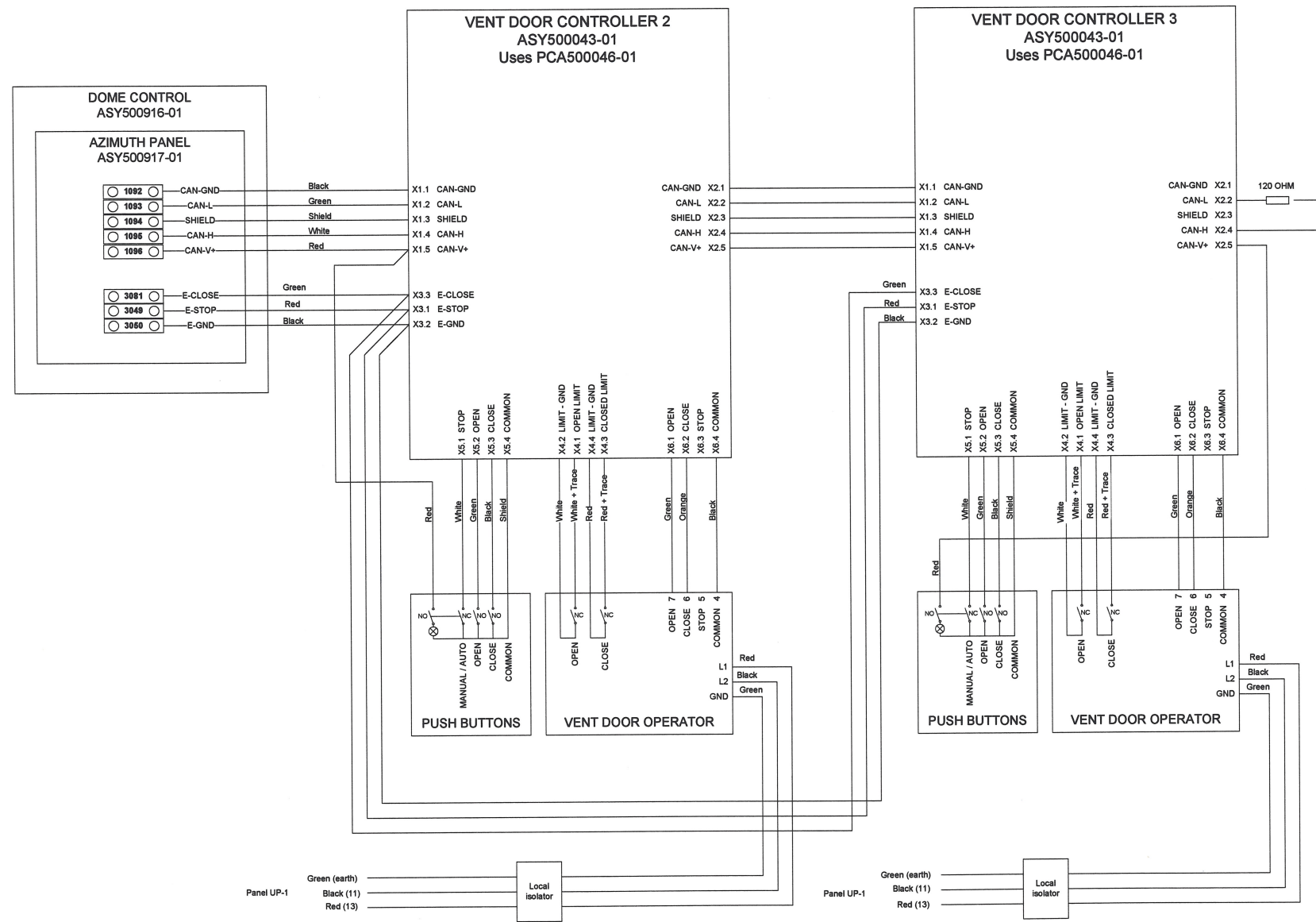
CABINET CHASSIS
 4505

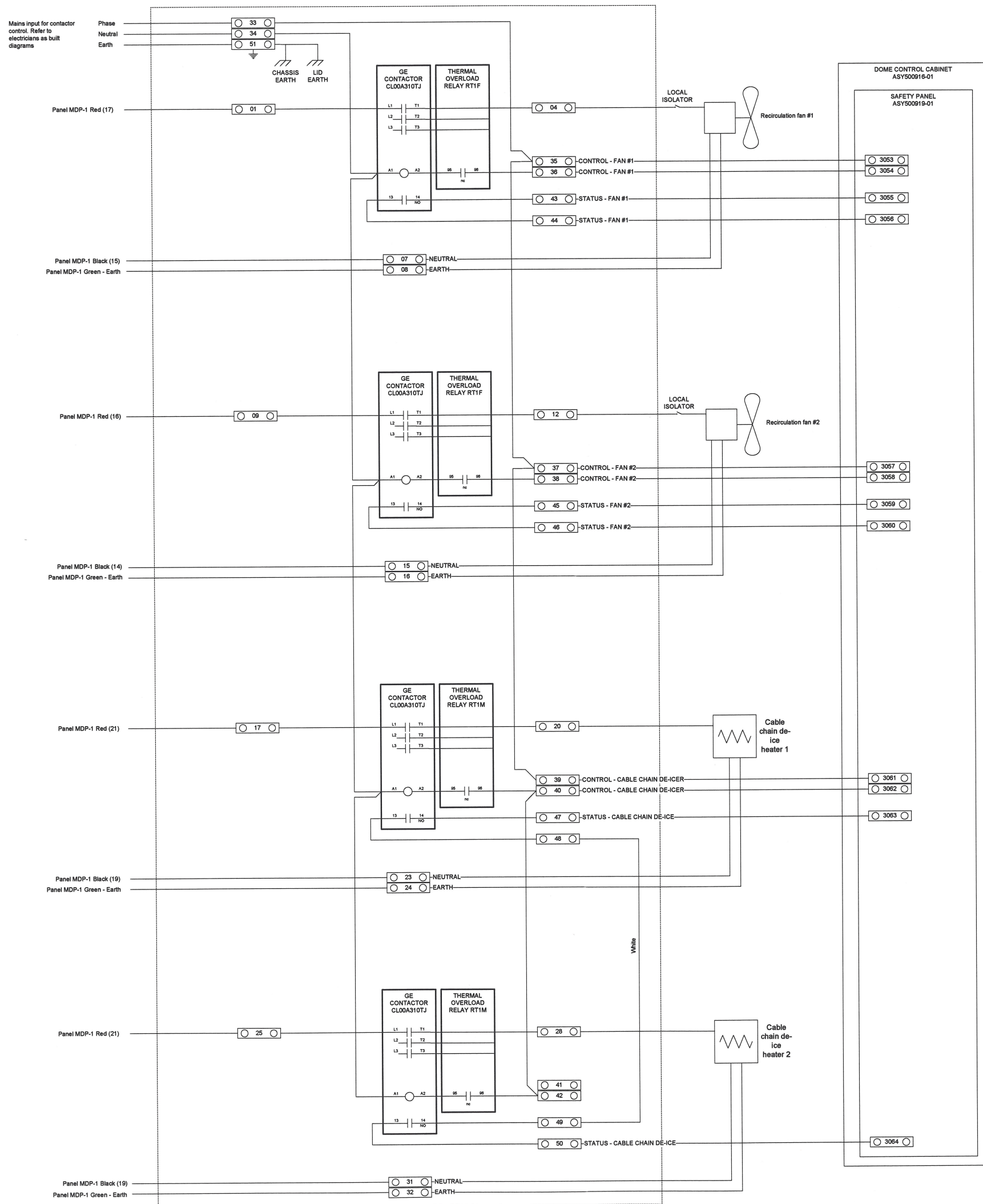
-EARTH - IN
 4501
 PANEL CHASSIS

Dotted line represents Control Panel
 Cables crossing dotted line connect to external devices

| | | | | |
|-------------------------------|-----|---------------------|--|------------|
| DRAWN BY JEFF BROWN | | DATE | EOS Space Systems 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| CHECKED KB | | DATE 24 Oct 2006 | Lick Control System - Wiring Diagram POWER DISTRIBUTION PANEL | |
| APPROVED <i>Jeff Brown</i> | | DATE 26/10/06 | DRAWING NUMBER WD-500920-01 As Built | SIZE A1 |
| SCALE | NTS | SHEET | 1 OF 1 | |

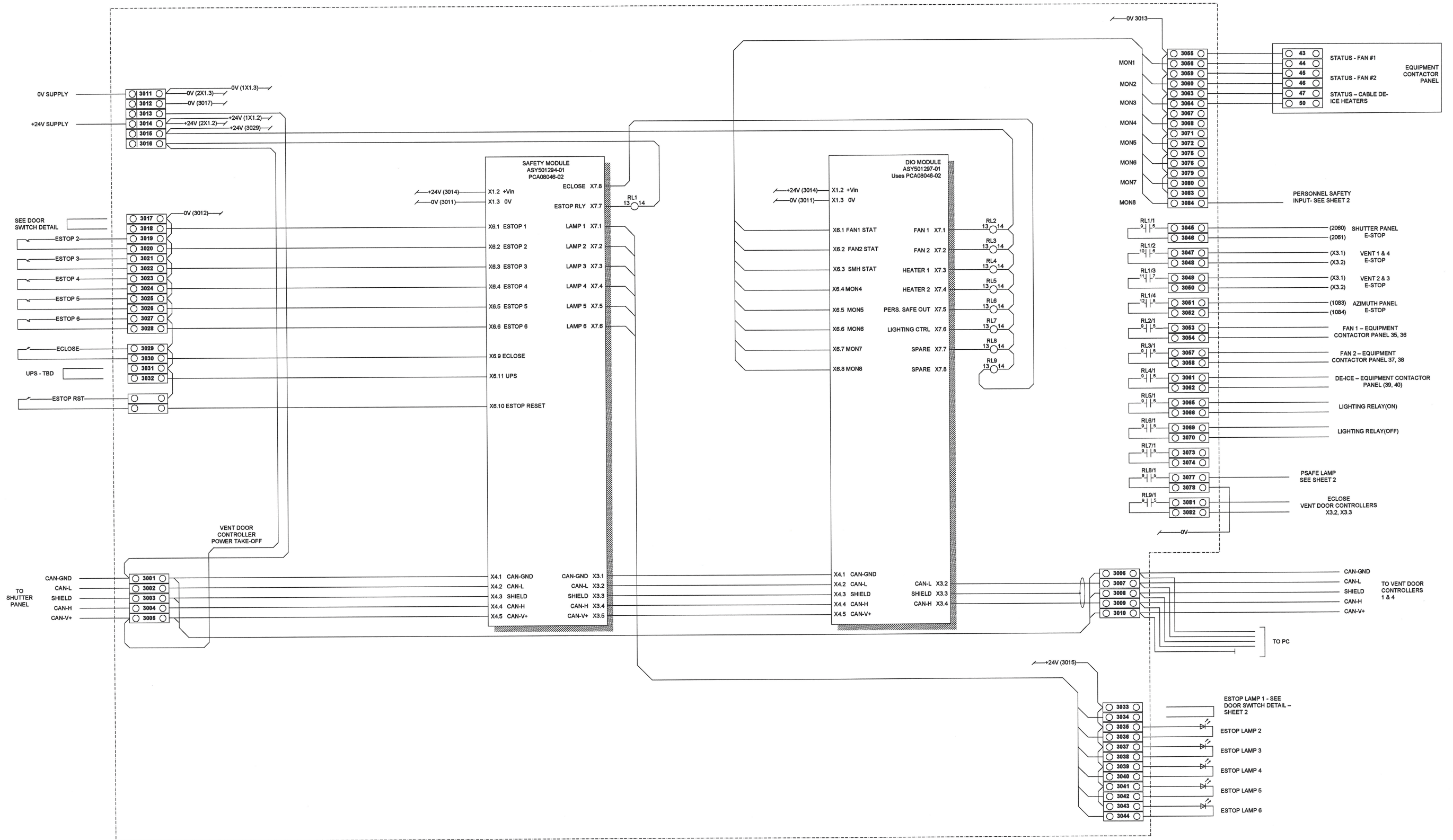






FULL FILENAME
I:\PROJECTS\LIICK APF ENCLOSURE\CONTROLS\ELECTRICAL\AS BUILT ELECTRICAL DRAWINGS\WD-501310-01 LIICK EQUIPMENT CONTACTOR PANEL - AS BUILT.VSD

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|--------------------------------|----------------------|---|------------|
| DRAWN BY JEFF BROWN | DATE | EOS Space Systems 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| CHECKED KB | DATE 23 Oct, 2006 | | |
| APPROVED <i>[Signature]</i> | DATE 26/10/06 | Lick APF Control System - Wiring Diagram EQUIPMENT CONTACTOR PANEL | |
| SCALE | | DRAWING NUMBER WD-501310-01 As Built | SIZE A1 |
| NTS | | SHEET | 1 OF 1 |



Dotted line represents Control Panel
Cables crossing dotted line connect to external devices

| | | | | |
|--------------------|-----|-------------|--|------|
| DRAWN BY | | DATE | EOS Space Systems | |
| JEFF BROWN | | | 111 Canberra Ave Griffith, ACT AUSTRALIA | |
| CHECKED | | DATE | Lick Control System - Wiring Diagram | |
| KB | | 25 Oct 2006 | SAFETY AND DIO CONTROL PANEL | |
| APPROVED | | DATE | DRAWING NUMBER | SIZE |
| <i>[Signature]</i> | | 26/10/06 | WD-500919-01 As Built | A1 |
| SCALE | NTS | SHEET | 1 OF 2 | |

