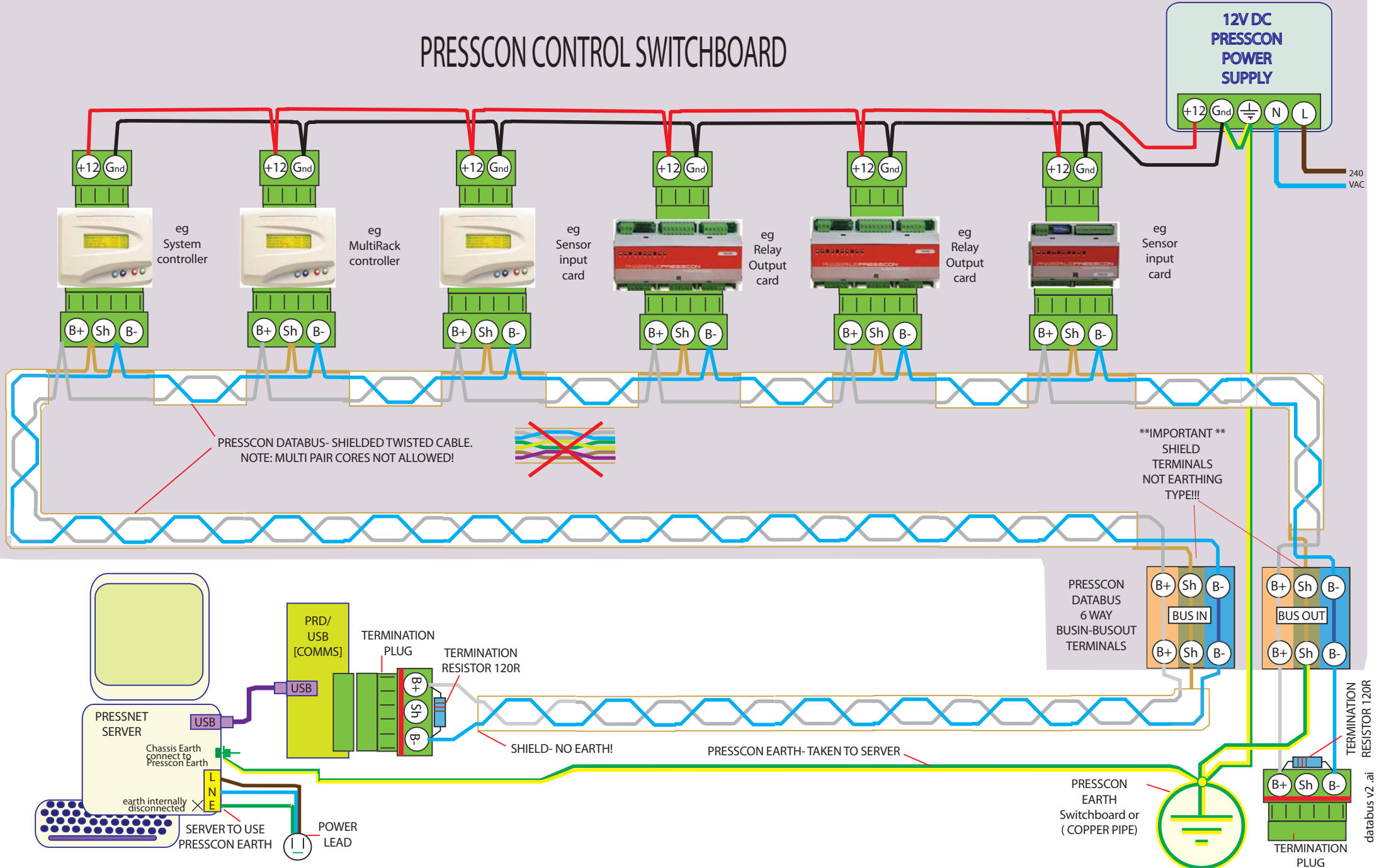


PRESSCON CONTROL SWITCHBOARD



Presscon Databus Test

Disconnect ALL plugs from boards and Server

At Server end, find a local earth (or use Presscon Earth), connect to COM

1. Measure point 1 (Shield data wire) it should be SHORT CIRCUIT (0.0)

2. Measure point 2 (B+) it should be OPEN CIRCUIT (+_____)

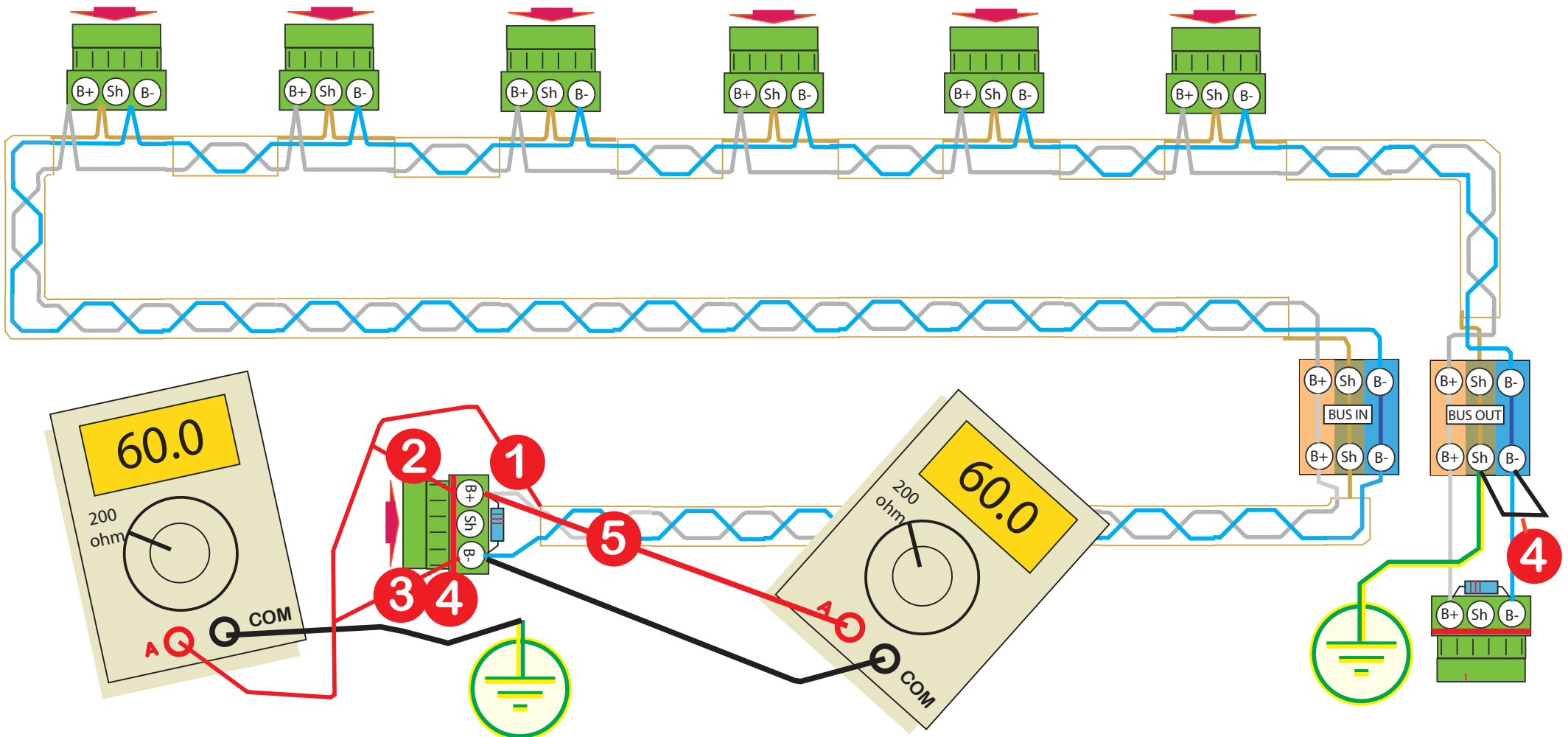
3. Measure point 3 (B-) it should be OPEN CIRCUIT (+_____)

Connect a (temporary) shortcircuit with B- at the far end of the databus

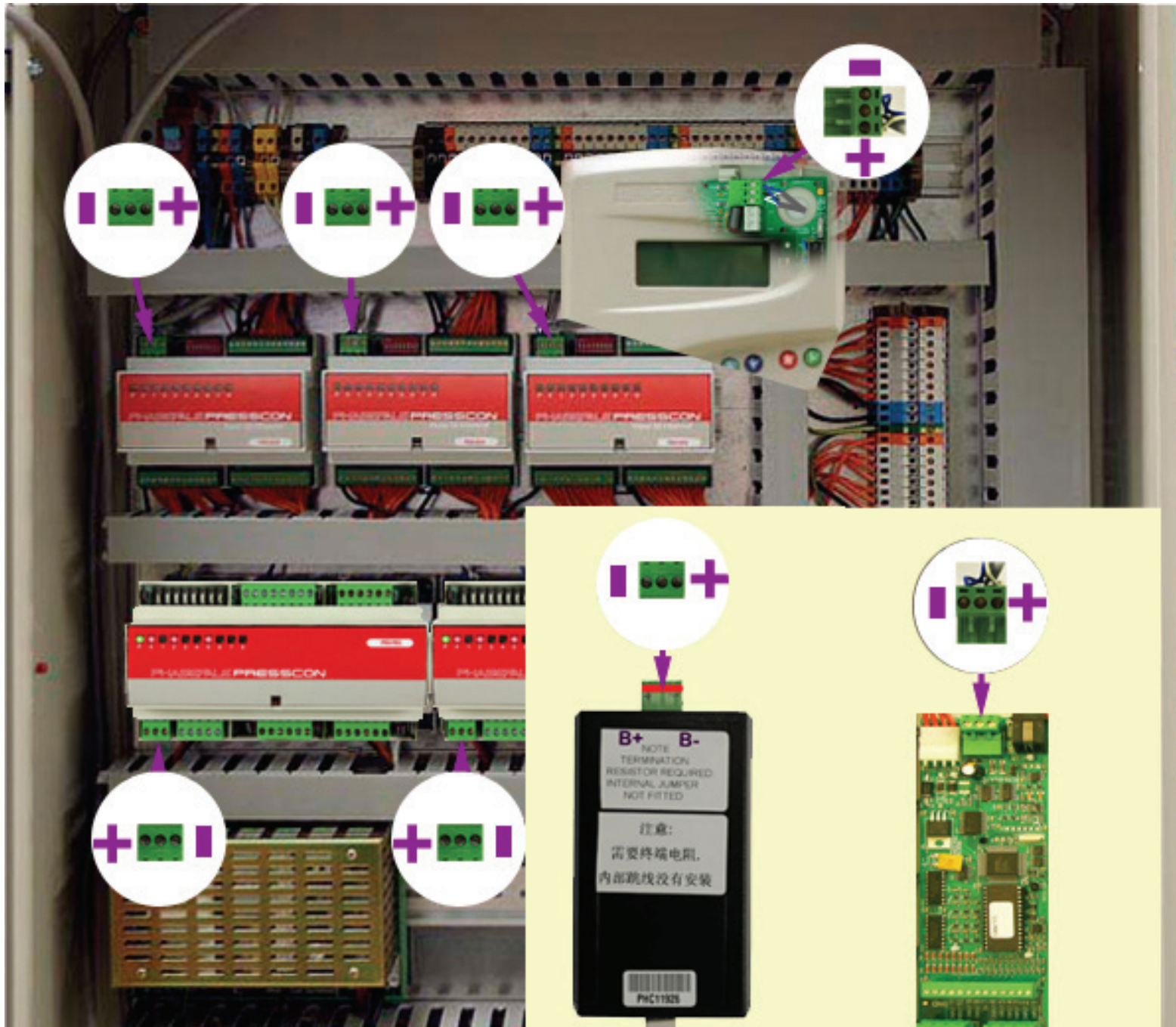
4. Measure point 4 (B-) it should be SHORT CIRCUIT (0.0)

Connect A and COM across databus + and - (B+, B-)

5. Measure point 5 it should be 60 Ohms (60.0)

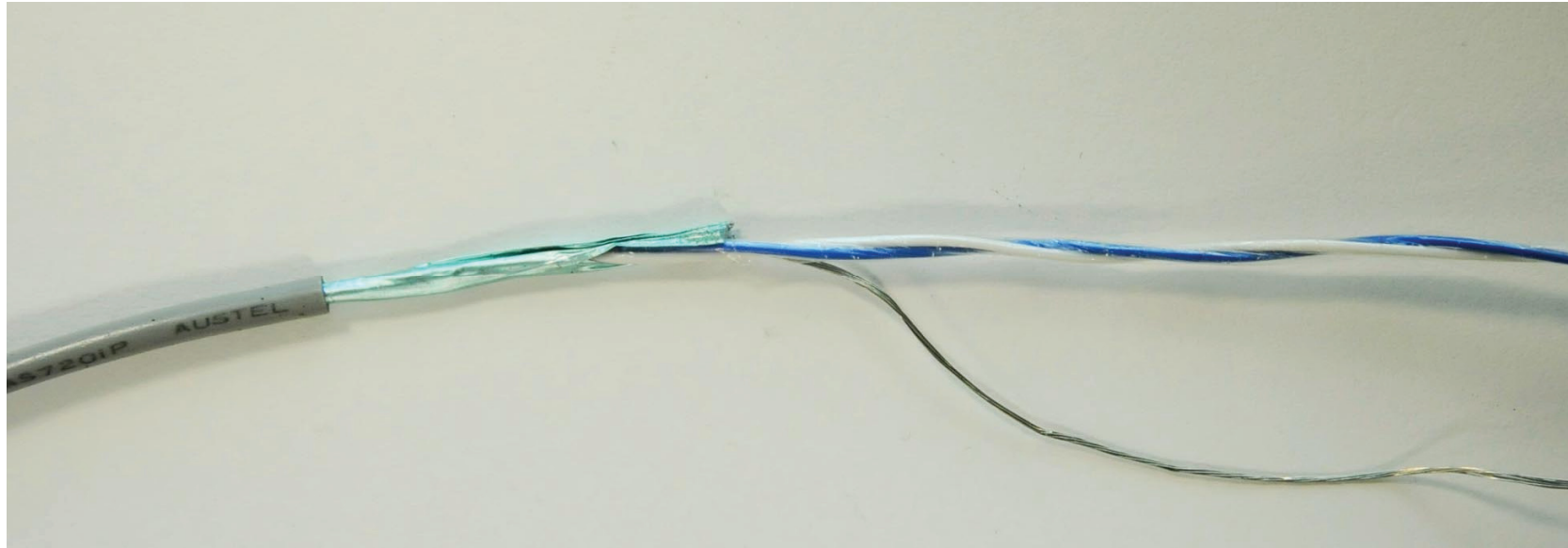


Check Polarity of ALL Databus points are correct!
For Databus Cable, use White and Blue cable, White = B+, Blue = B-



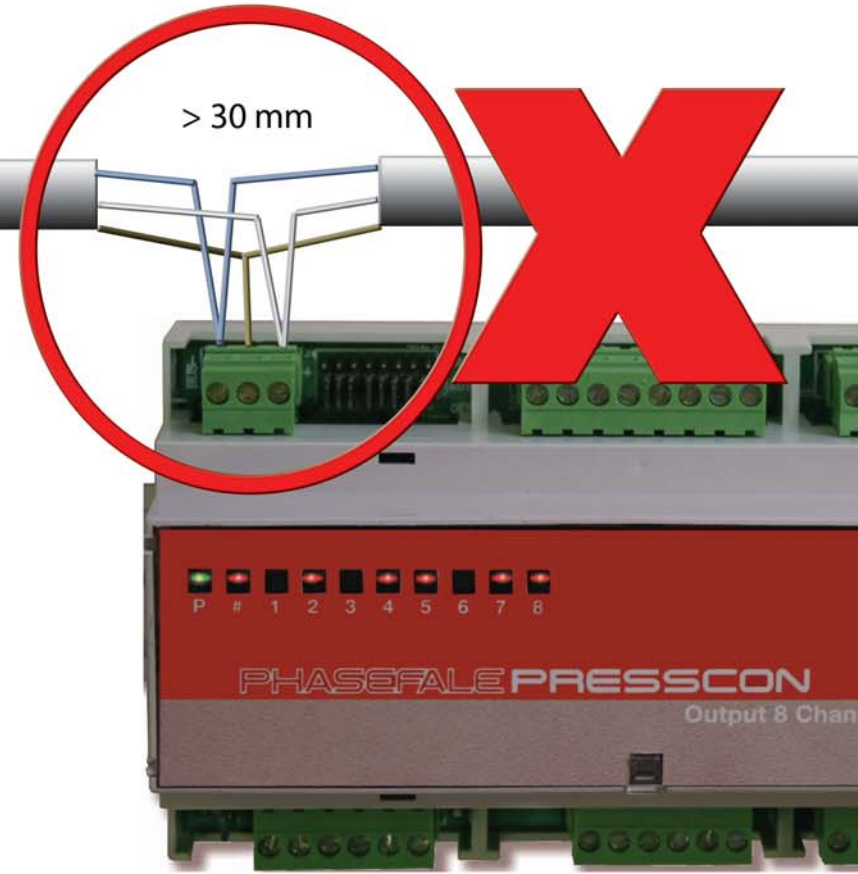
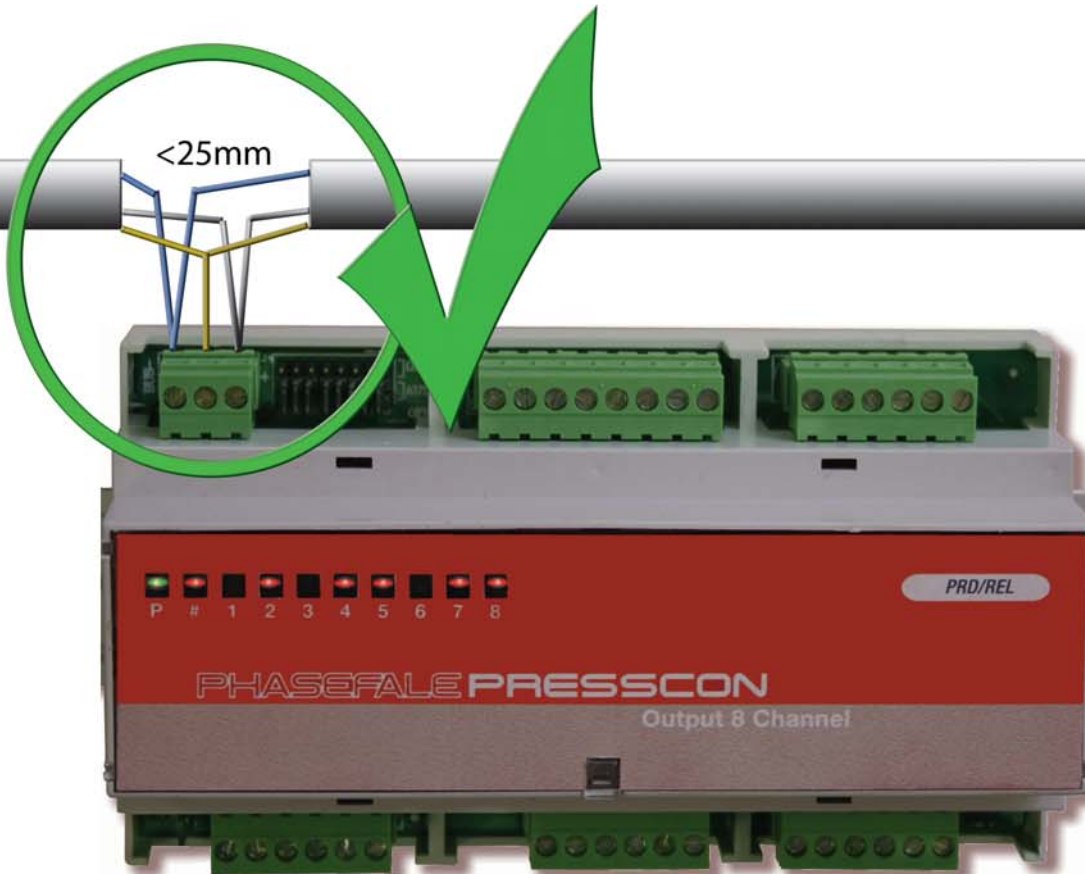
For Databus cable:

- 1. must have drain wire with aluminum OR copper shield**
- 2. must have twisted cable**
- 3. Recommend 0.5mm² copper conductors (for mechanical strength)**
- 4. Choose best quality cable**
- 5. Do not make joins in databus other than at connectors**



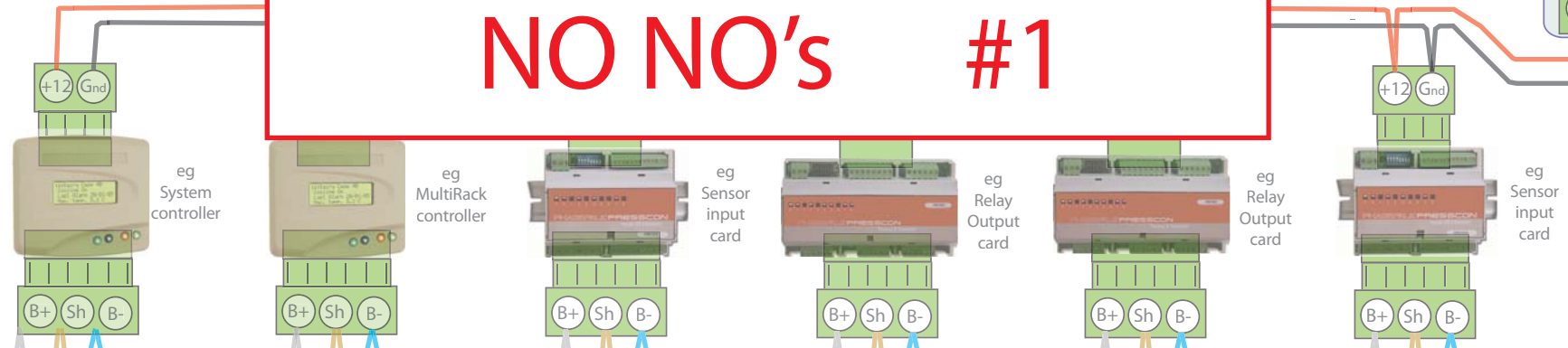
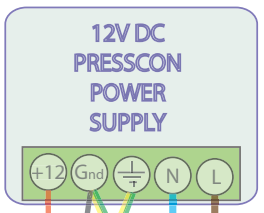
**In Australia we use:
Madison Technologies: MCP7031S
(03) 9387 1933**

MAXIMUM CONNECTION LENGTH FOR DATABUS = 25mm!



DATABUS

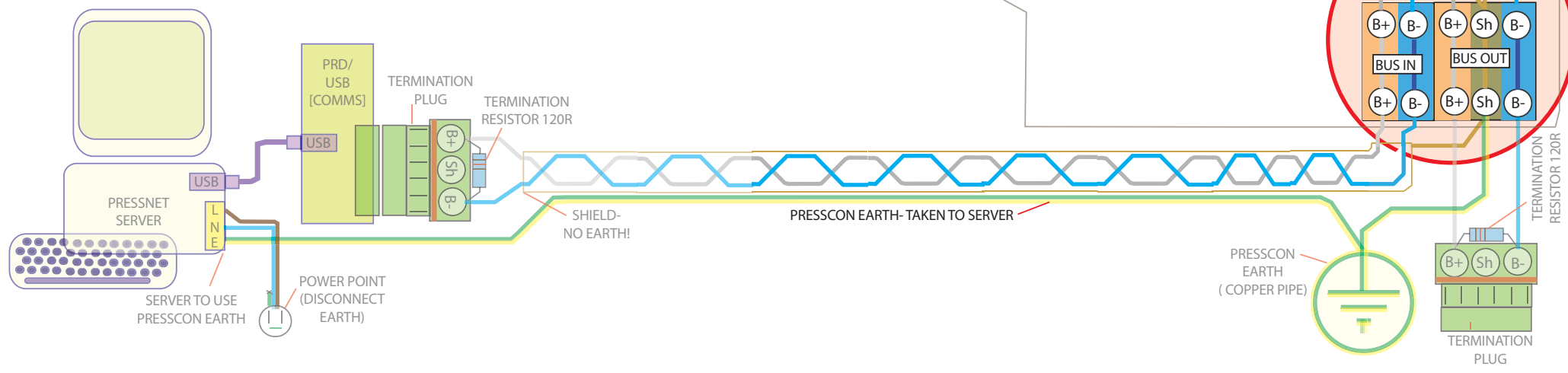
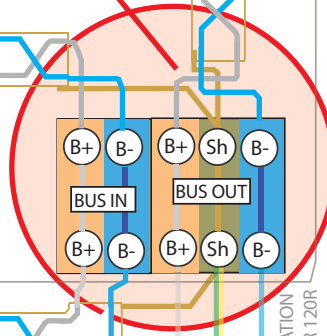
NO NO's #1



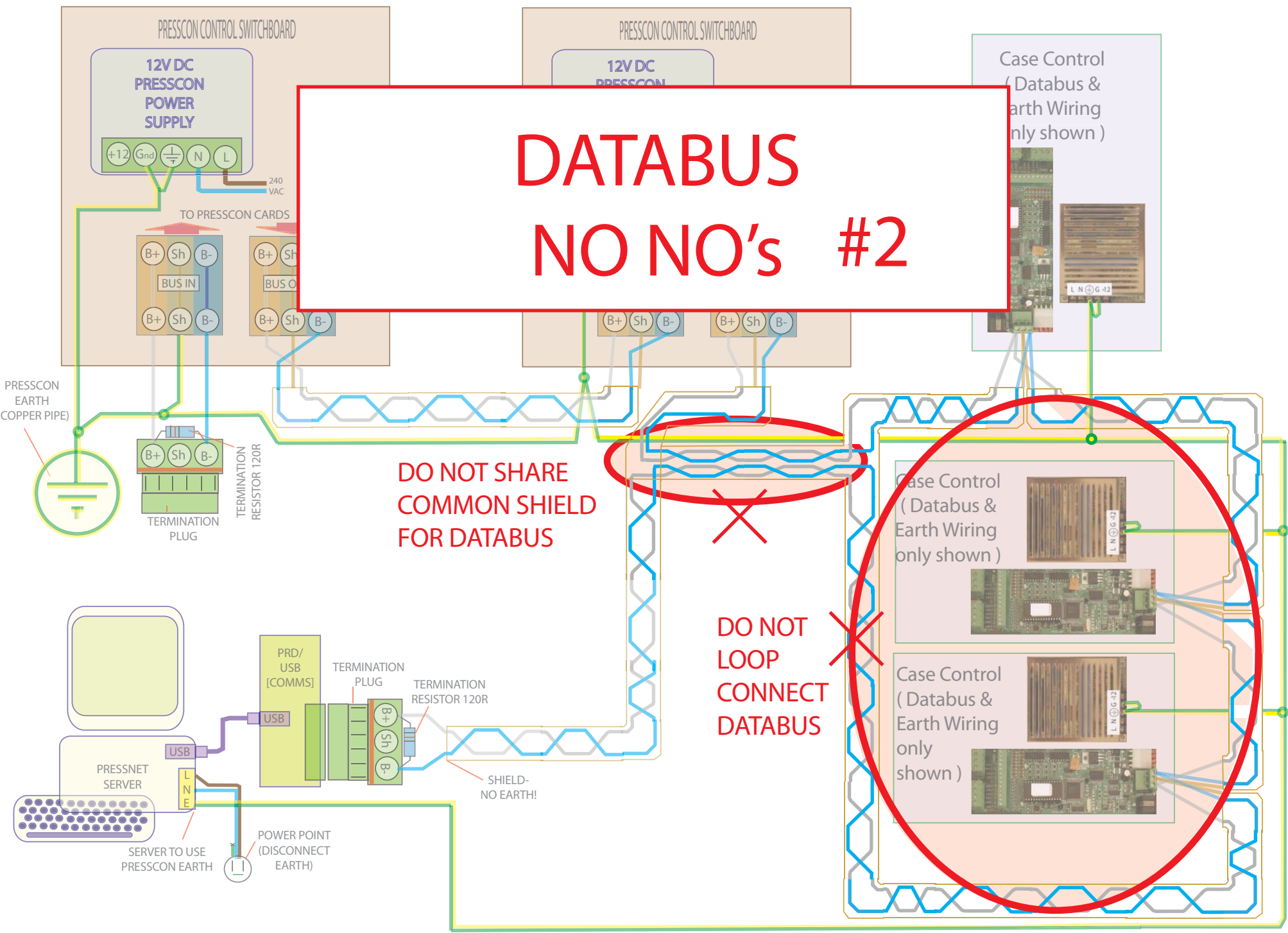
PRESSCON DATABUS- SHIELDED TWISTED CABLE.
NOTE: MULTI PAIR CORES NOT ALLOWED!



DO NOT JOIN DATA SHIELD LIKE THIS!



DATABUS NO NO'S #2



**DO NOT SHARE
COMMON SHIELD
FOR DATABUS**

**DO NOT
LOOP
CONNECT
DATABUS**

Case Control
(Databus &
Earth Wiring
only shown)

Case Control
(Databus &
Earth Wiring
only shown)

Case Control
(Databus &
Earth Wiring
only shown)

PRESSCON CONTROL SWITCHBOARD

PRESSCON CONTROL SWITCHBOARD

12V DC
PRESSCON
POWER
SUPPLY

12V DC
PRESSCON

TO PRESSCON CARDS

B+ Sh B-
BUS IN
B+ Sh B-

B+ Sh B-
BUS O
B+ Sh B-

B+ Sh B-
B+ Sh B-

B+ Sh B-
B+ Sh B-

B+ Sh B-
TERMINATION
PLUG
TERMINATION
RESISTOR
120R

PRD/
USB
[COMMS]
TERMINATION
PLUG
TERMINATION
RESISTOR
120R

SHIELD-
NO EARTH!

POWER POINT
(DISCONNECT
EARTH)

SERVER TO USE
PRESSCON EARTH

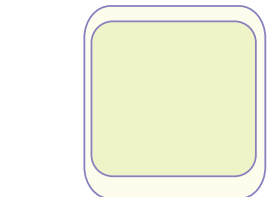
L N G 42

L N G 42

L N G 42

L N G 42

PRESSCON
EARTH
COPPER PIPE



PRESSNET
SERVER

L N E

