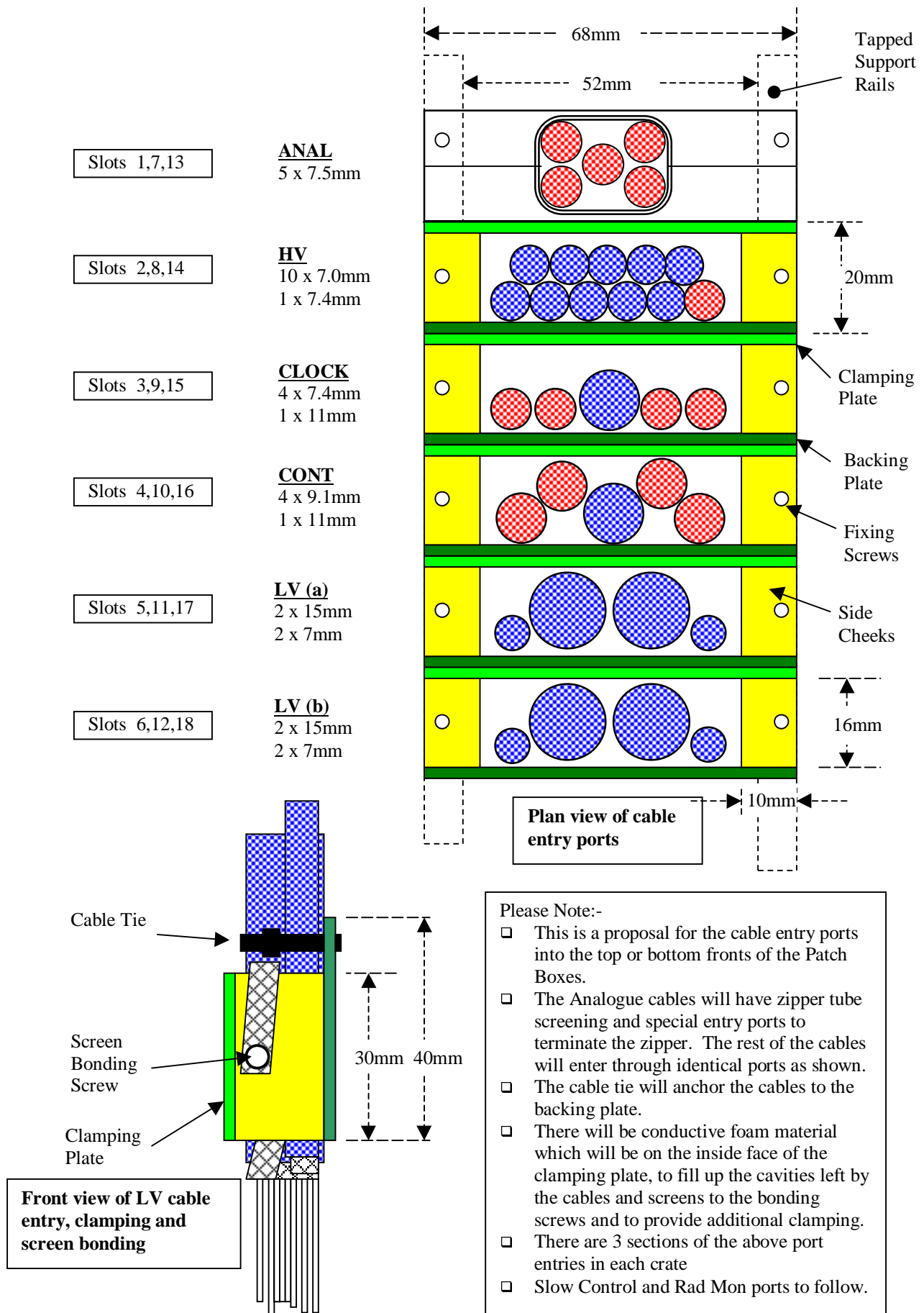
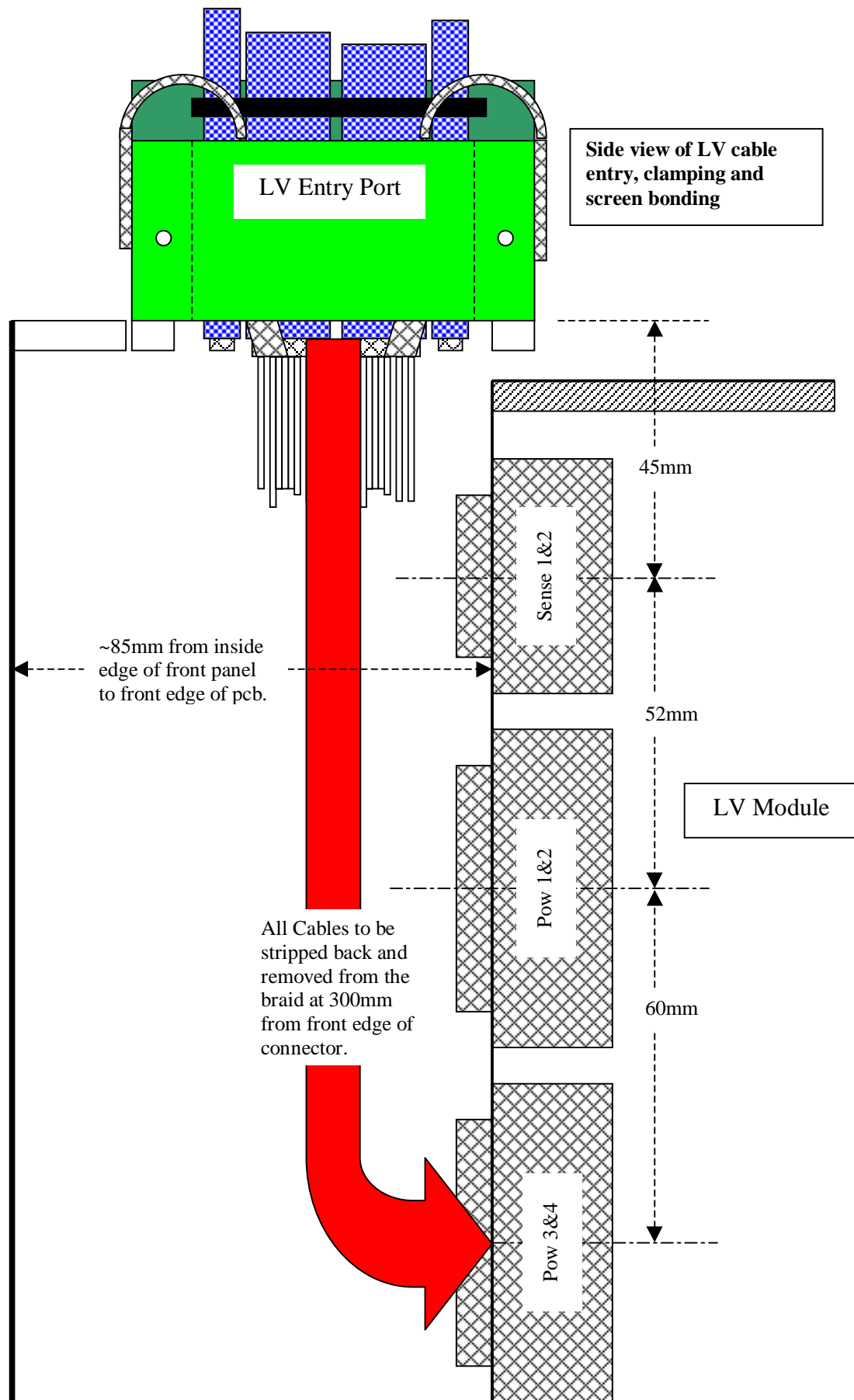


Cable Entry & Clamping Scheme for Patch Boxes

Position of PCB Modules wrt Entry Ports



Module Type	Cable Signal Name	Connector	No of Cables	Cable Type	Cable Dia
Analogue	Anal Diff Pairs	RJ-45	5	Cat 5 Enhanced (5x individual screened)	7.7 mm
HV	HV Supply	????	10	<i>4ch Mini Coax</i> ????	7.0mm
"	Temp Monitor	IDC	1	<i>10 pair T'n'F Screened round (Spectra Strip)</i> ???	7.4 mm
Clock	LVDS Drivers	Condo IDC	4	10 pair T'n'F Screened round (Spectra Strip)	7.4 mm
"	LVDS Power	9 way 'D'	1	5 pair Screened round NE 10 P	11. mm
Control	LVDS to Coax	Condo IDC	4	17 pair T'n'F Screened round (Spectra Strip)	9.1 mm
"	LVDS Power	9 way 'D'	1	5 pair Screened round NE 10 P	11 mm
LV	Power Supply	25 way 'D' Dual Port	4	25 way (16x0.2mm) MB42P Cern type 04.21.51.125.7	14.6 mm
"	PS Sense	9 way 'D' Dual Port	4	14x2 way (1x0.4mm) MB42P Cern type 04.21.48.150.3	6.5mm
Slow Control	????				
Radiation Monitors	????				

Note: -

- ❑ The Cable Types in *Italics* have not yet been defined, but are possible/approximate options.
- ❑ Except for the Analogue cables, all other cables to be stripped back 300mm and removed from the braid.
- ❑ The braid to return out of the Entry Port and terminated with an eyelet screwed to the side of the entry port.
- ❑ The wires internal to the crate should then be loosely tied with small cable ties to maintain flexibility.
- ❑ Covers for the connectors onto the various modules should be light weight plastic where possible and as short as possible to allow maximum space for bending the cables.