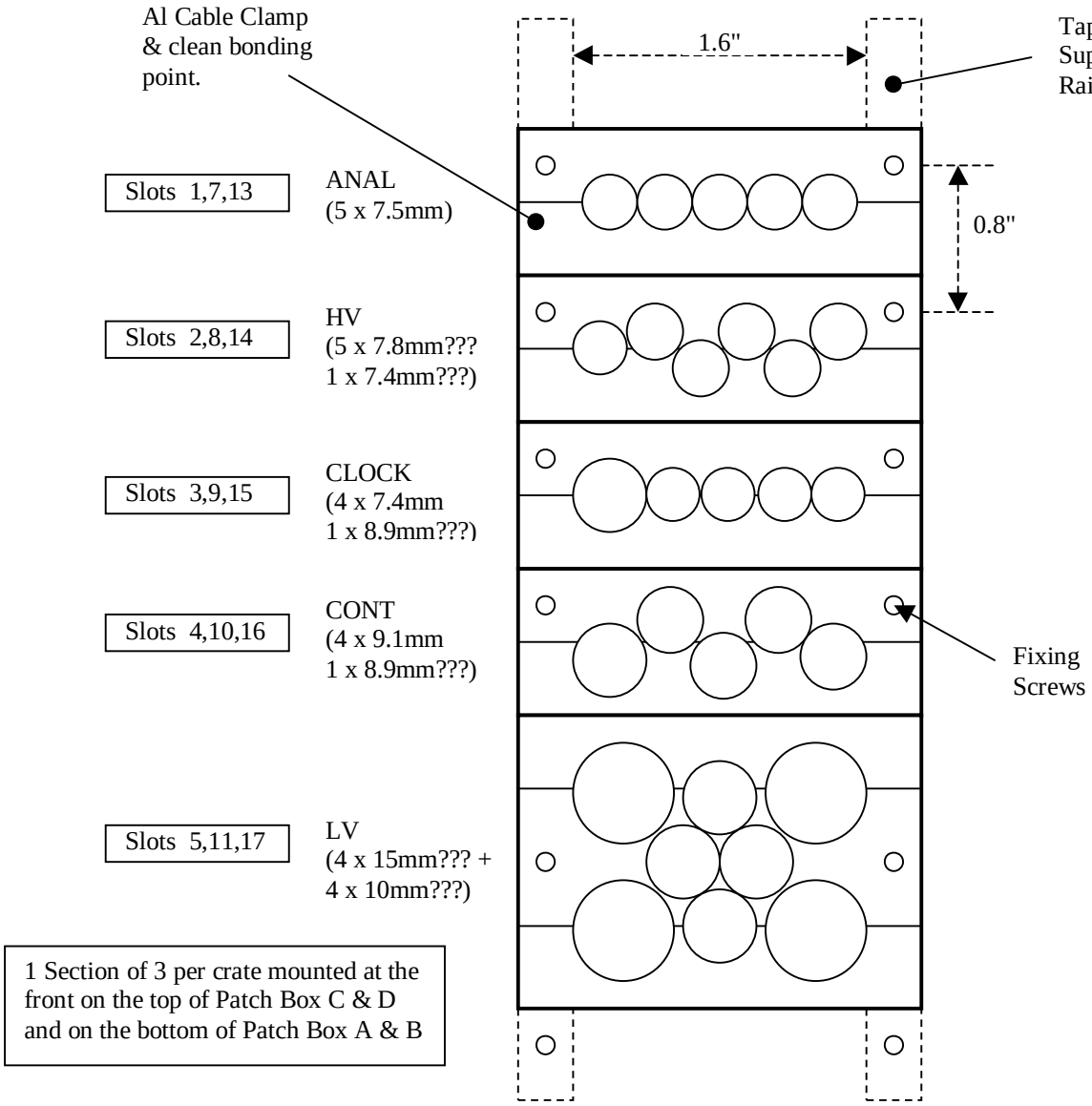
Pete Shield
25-Apr-00

Cable Entry & Clamping Scheme for Patch Boxes



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	*Condo IDC*	5	*LF 420 18 way * 0.14 screened ???*	7.8 mm
"	Temp Monitor	*IDC*	1	*10 pair T'n'F Screened round (Spectra Strip) ???*	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	*LF 420 10 way * 0.34 screened ???*	8.9 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	*LF 420 10 way * 0.34 screened ???*	8.9 mm
LV	Power Supply	25 way 'D' Dual Port	4		15 mm
"	PS Sense	9 way 'D' Dual Port	4		10mm

Note: - The Cable Types in *Italics* have not yet been defined, but are possible/approximate options.
The proposed LV cable is far too large and stiff. A suitable alternative is being looked for.
Terminating the screens at the cable entry point into the Patch Box will allow the cables inside of the PB to be more flexible.
There is not enough room inside the front of the PB to lose different lengths of cable. Each cable must be clamped to leave just enough length to plug into the front of the module.