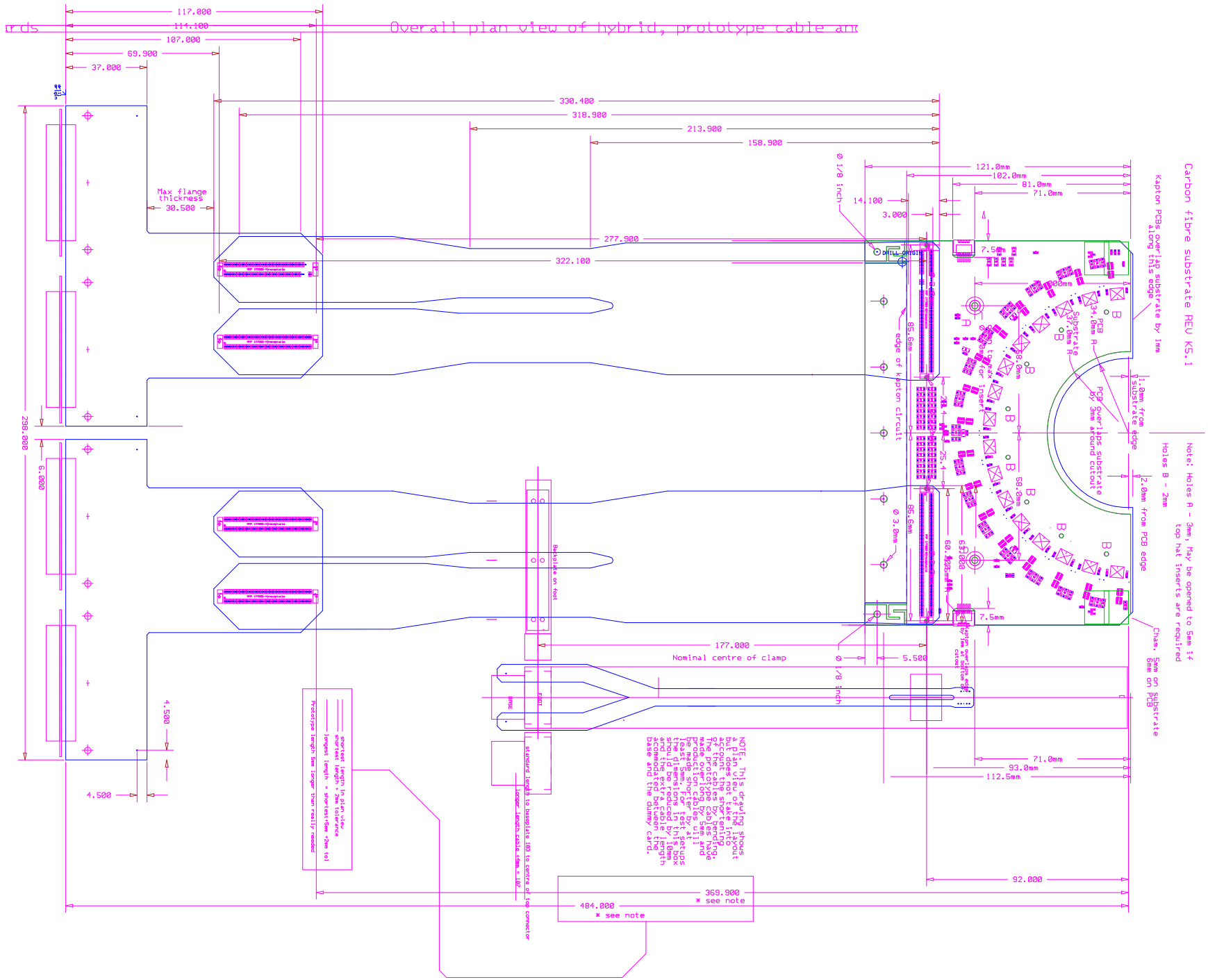

Overall plan view of hybrid, prototype cable and
Carbon fibre substrate REV K5.1
Kapton PCBs overlap substrate by 1mm along this edge
Note: Holes A - 3mm, May be opened to 5mm if top hat inserts are required
Holes B - 2mm
Cham. 5mm on substrate 6mm on PCB
Max flange thickness 30.500
117.000
114.100
107.000
69.900
37.000
330.400
318.900
213.900
158.900
277.900
322.100
298.000
6.000
4.500
4.500
121.0mm
102.0mm
81.0mm
71.0mm
14.100
3.000
Ø 1/8 inch
7.5mm
85.6mm
edge of kapton circuit
Substrate 37.0mm R
PCB 34.0mm R
PCB overlaps substrate by 3mm around cutout
1.0mm from substrate edge
2.0mm from PCB edge
58.0mm
Ø 3.0mm
177.000
Nominal centre of clamp
5.500
Ø 1/8 inch
71.0mm
93.0mm
112.5mm
92.000
369.900
* see note
484.000
* see note
Backplate on foot
BASE
FOOT
NOTE. This drawing shows a plan view of the layout but does not take into account the shortening of the cables by bending. The prototype cables have made overlong by 5mm and production cables will be made shorter by at least 5mm. For test setups the dimensions in this box should be reduced by 10mm and the extra cable length accommodated between the base and the dummy card.
Prototype length 5mm longer than really needed
shortest length in plan view
shortest length + 2mm tolerance
longest length = shortest+5mm +2mm tol
standard length to baseplate 183 to centre of top connector
longer length cable +4mm = 187