

CMX Mechanical Parts Front Panels

Rev. 18-Nov-2013

This notes describes the Front Panels for the CMX circuit boards.

- There are 10 drawings that show the CMX Front Panel layout. These drawings have been printed and are also available on the web in the directory:

<http://www.pa.msu.edu/hep/atlas/l1calo/cmz/hardware/>

[drawings/front_panel/](#)

- The first drawing "Blank Front Panel" shows the extruded stock material as we receive it. This drawing defines a Reference Point that is mid way between the centers of the two holes that come pre-drilled near the ends of these panels.

All machine work that is required on these panels is dimensioned with respect to this Reference Point.

- The last drawing "The Whole 9 Yards" is just an overall view of all of the holes that need to be cut into each front panel.
- Each of the other 8 drawing shows just one type of hole that is needed in the front panels.
- All drawings except one show the front panel with its flat exterior side UP. Drawing "Back Side Mill Thickness" shows the back "U" shaped side of the front panel UP.
- We need 25 of these front panels for the overall CMX project.
- Please make just one panel to begin with and let me test and verify it before producing the other 24 panels.

- The account number for this work is: RC 101366
- If you need some additional blank front panels let me know. I should be able to find a few more of them.
- When you are ready to start work on these panels please let me know. I can stop by and explain the drawings.

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Thank you for making these panels, Dan