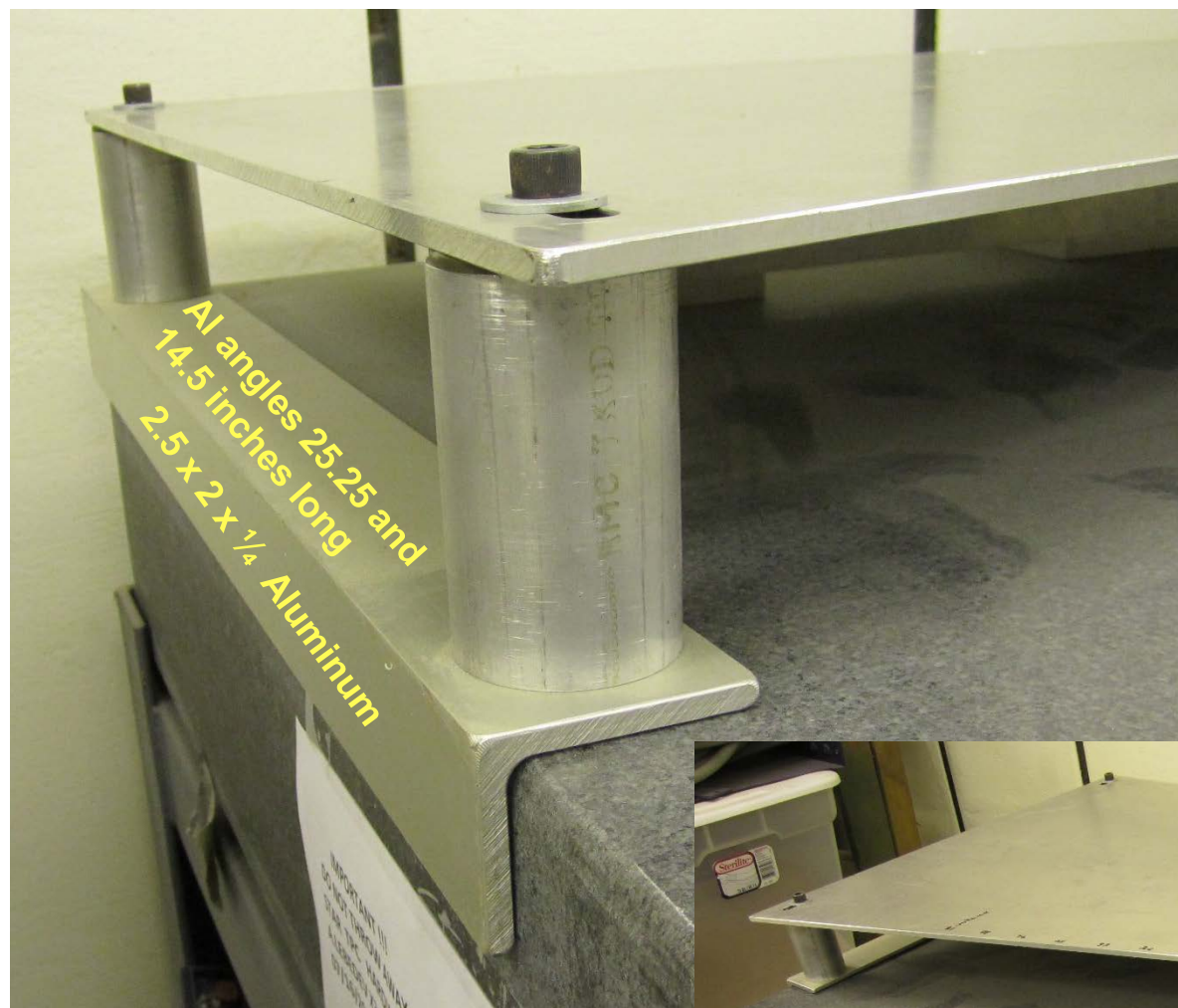


# Platform Guards



# Platform Guards (to keep humans out of the wires)

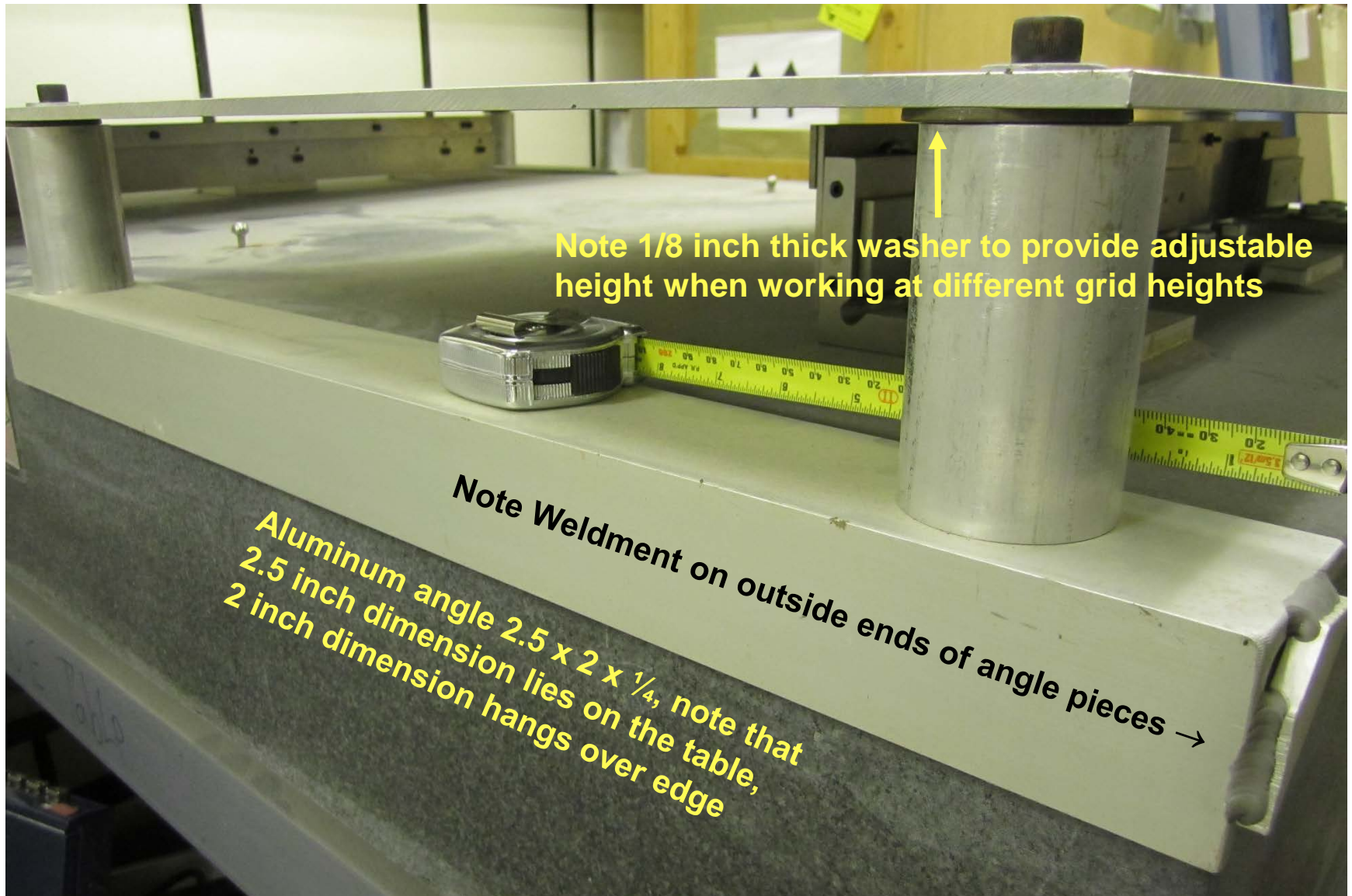


- **Plates:**  $\frac{1}{4}$  inch thick Al
  - 42 x 24.625 x 13.375 inch
  - Hypotenuse 43.5 inch
  - Two 90° angles
- **Spacers:** 3.375 inch tall
  - 2 inches in diameter
  - solid but tapped for 3/8-16 (??) bolts
- **Slots:** 1  $\frac{1}{8}$  long,  $\frac{7}{16}$  wide
  - Horizontal
  - 1 inch from all edges
  - 40 inches apart (long axis)



- **Outside edge of spacers are aligned with the edge of the granite table**

# Platform Guard



Note 1/8 inch thick washer to provide adjustable height when working at different grid heights

Note Weldment on outside ends of angle pieces →  
Aluminum angle 2.5 x 2 x 1/4, note that  
2.5 inch dimension lies on the table,  
2 inch dimension hangs over edge

# Platform Guards

- The guards protect the wire planes, provide a hand-rest for gluing the wire planes and for soldering the gated grid
- Comments
  - Plates are  $\frac{1}{4}$  inch thick: the plates bend by about 2 to 3 mm when a person leans on them
  - 2 inch diameter cylinders + washers were used to adjust the elevation of the platform guards.
  - There will probably be 3 different granite tables in use to build the iTPC sectors (one for each grid height). Each table may have different size spacers for the platform guards

