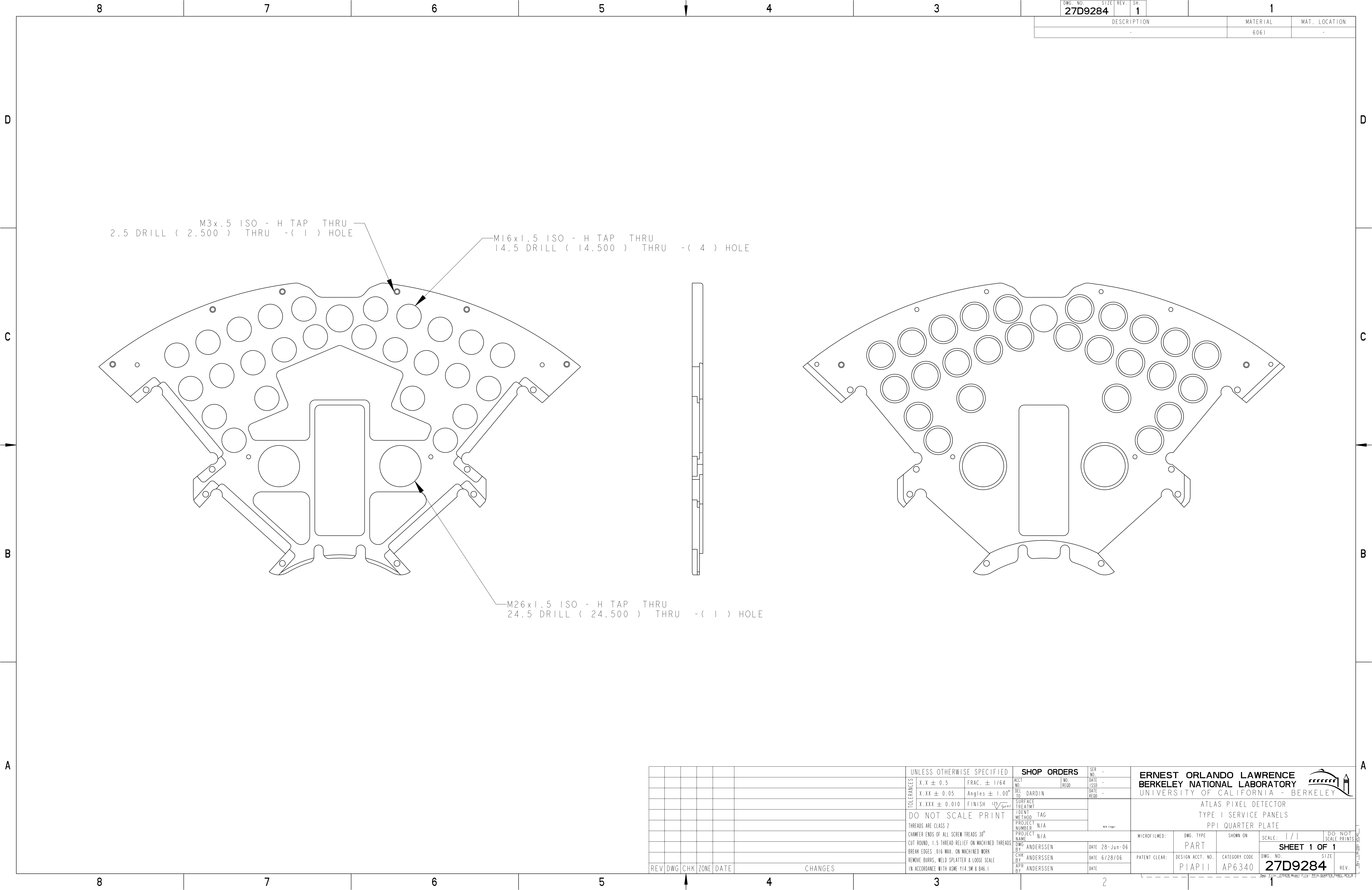




|             |      |      |     |          |               |
|-------------|------|------|-----|----------|---------------|
| DWG. NO.    | SIZE | REV. | SH. | 1        |               |
| 27D9284     |      | 1    |     |          |               |
| DESCRIPTION |      |      |     | MATERIAL | MAT. LOCATION |
| -           |      |      |     | 6061     | -             |

M3x.5 ISO - H TAP THRU  
2.5 DRILL ( 2.500 ) THRU -( 1 ) HOLE

M16x1.5 ISO - H TAP THRU  
14.5 DRILL ( 14.500 ) THRU -( 4 ) HOLE

M26x1.5 ISO - H TAP THRU  
24.5 DRILL ( 24.500 ) THRU -( 1 ) HOLE

|     |     |     |      |      |         |                                                  |               |                                   |                 |           |                                                                                                                                                                                      |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|-----|-----|-----|------|------|---------|--------------------------------------------------|---------------|-----------------------------------|-----------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------|--|---------------------|-----------|---------------|--|----------|--|------|--|
|     |     |     |      |      |         | UNLESS OTHERWISE SPECIFIED                       |               | SHOP ORDERS                       |                 | SER NO. - | ERNEST ORLANDO LAWRENCE<br>BERKELEY NATIONAL LABORATORY<br>UNIVERSITY OF CALIFORNIA - BERKELEY  |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | TOLERANCES                                       | X.X ± 0.5     | FRAC. ± 1/64                      | ACCT NO.        | NO. REQD  |                                                                                                                                                                                      |  |  |                                                                    |  | DATE ISSD           | DATE REQD |               |  |          |  |      |  |
|     |     |     |      |      |         |                                                  | X.XX ± 0.05   | Angles ± 1.00°                    | DEL TO          | DARDIN    |                                                                                                                                                                                      |  |  | ATLAS PIXEL DETECTOR<br>TYPE I SERVICE PANELS<br>PPI QUARTER PLATE |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         |                                                  | X.XXX ± 0.010 | FINISH 125 $\sqrt{\mu\text{in.}}$ | SURFACE TREATMT |           |                                                                                                                                                                                      |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | DO NOT SCALE PRINT                               |               | IDENT METHOD                      | TAG             |           |                                                                                                                                                                                      |  |  | MICROFILMED:                                                       |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | THREADS ARE CLASS 2                              |               | PROJECT NUMBER                    | N/A             |           |                                                                                                                                                                                      |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | CHAMFER ENDS OF ALL SCREW TREADS 30°             |               | PROJECT NAME                      | N/A             |           |                                                                                                                                                                                      |  |  | SCALE: 1/1                                                         |  | DO NOT SCALE PRINTS |           |               |  |          |  |      |  |
|     |     |     |      |      |         | CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS |               | DWG BY                            | ANDERSSSEN      | DATE      | 28-Jun-06                                                                                                                                                                            |  |  | PATENT CLEAR:                                                      |  | DESIGN ACCT. NO.    |           | CATEGORY CODE |  | DWG. NO. |  | SIZE |  |
|     |     |     |      |      |         | BREAK EDGES .016 MAX. ON MACHINED WORK           |               | CHK BY                            | ANDERSSSEN      | DATE      | 6/28/06                                                                                                                                                                              |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | REMOVE BURRS, WELD SPATTER & LOOSE SCALE         |               | APR BY                            | ANDERSSSEN      | DATE      |                                                                                                                                                                                      |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
|     |     |     |      |      |         | IN ACCORDANCE WITH ASME Y14.5M & B46.1           |               |                                   |                 |           |                                                                                                                                                                                      |  |  |                                                                    |  |                     |           |               |  |          |  |      |  |
| REV | DWG | CHK | ZONE | DATE | CHANGES |                                                  |               |                                   |                 |           |                                                                                                                                                                                      |  |  | PIAPII                                                             |  | AP6340              |           | 27D9284       |  |          |  | REV. |  |