From the information shown in Fig. 16-217 make a three-view drawing of the stand.

GEOMETRIC TOLERANCING REQUIREMENTS TO BE ADDED TO DRAWING

- SURFACES A, B, AND D TO BE DATUMS A, B, AND D RESPECTIVELY
- THE BACK TO BE PERPENDICULAR TO BOTTOM WITHIN .01 AND BE FLAT WITHIN .006
- THE TOP TO BE PARALLEL TO BOTTOM WITHIN .005
- SURFACE C TO HAVE AN ANGULARITY TOLERANCE OF .008 WITH THE BOTTOM. SURFACE D TO BE THE SECONDARY DATUM FOR THIS REQUIREMENT
- THE BOTTOM TO BE FLAT WITHIN .002
- THE SIDES OF THE SLOT TO BE PARALLEL TO EACH OTHER WITHIN .002 AND PERPENDICULAR WITHIN .004 WITH THE BACK. ONE SIDE OF THE SLOT IS TO BE DATUM E.

Fig. 16-217 Stand.