

**Assignment #6:** Drawings are due on April 17, 2006.

Use drawing template sheets. Fill in the title block... the part is "ASSIGNMENT 6".

1. For each object, draw three separate 2:1 scale side views. One drawing should be a detailed side view, one should be a simplified view, and one should be a schematic view. All threads are single-threads and right handed. Tables of dimensions can be found on the course home page.
  - a.  $\frac{1}{2}$ -13 UNC-2A  $\times$  2 HEX HEAD CAPSCREW
  - b.  $\frac{1}{2}$ -13 UNC-2B HEX HEAD NUT (detail drawing should be a section view)
  - c. 1-8 UNC-2A  $\times$  3 HEX SOCKET CAPSCREW
  - d.  $\frac{3}{4}$ -6 SQUARE  $\times$  3 ROUND HEAD CAPSCREW
  - e. 1-5  $\times$  4 ACME SQUARE CAPSCREW
  - f. M14 $\times$ 2  $\times$  75 C-SUNK HEAD CAPSCREW
  - g. 10-32 UNC-2A  $\times$  1 FLAT HEAD CAPSCREW