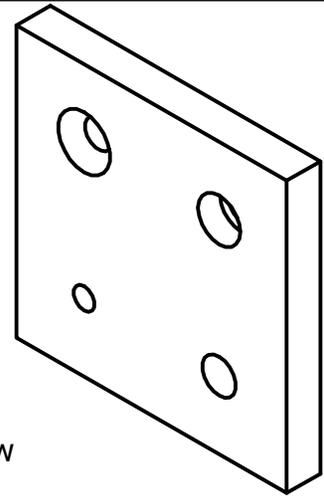
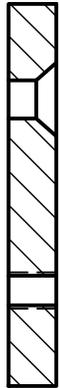


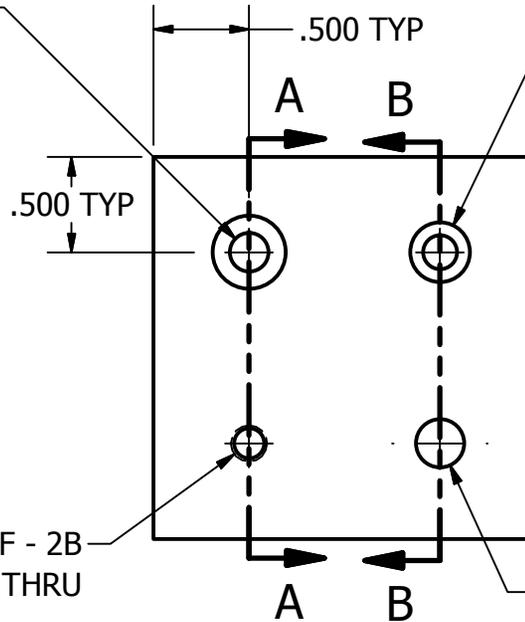
Student Shop Class Bench Layout and Drillpress Exercise



Drill and Countersink for
#10 Flat Head Screw
Ø.201 THRU
✓ Ø.385 X 82°



SECTION A-A
SCALE 1 : 1



10-32 UNF - 2B
THRU

Drill and Counterbore for
#8 Socket Head Cap Screw
Ø.177 THRU
□ Ø.313 ▽ .164

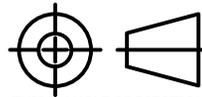
Drill Ø.234
Ream Ø.250 THRU



SECTION B-B
SCALE 1 : 1

MATERIAL SPECIFICATIONS:

Aluminum-6061



THIRD ANGLE PROJECTION

DRAWN Peter Ness	5/24/2011
CHECKED	
MANAGER APPROVAL	



UNIVERSITY OF MINNESOTA

Physics and Astronomy Machine Shop

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TITLE Bench Layout and Drillpress Exercise			
SIZE A	DRAWING UNITS: Inch	DRAWING NUMBER: Layout_Drillpress_Exercise	REV 1
SCALE: 1:1	MASS (REF): 0.09 lbmass	SHEET 1 OF 1	