

Appendix

B

Welding Challenge 1

The flagpole bracket for a complex is a one of a kind application and the contractor would like a custom welding made. From the engineers sketch, create three part drawings, and an XREF assembly showing $\frac{1}{4}$ circular fillet weld and $\frac{1}{4}$ continuous fillet weld to connect the flat steel plates. The plates are $\frac{1}{2}$ hot-rolled steel.

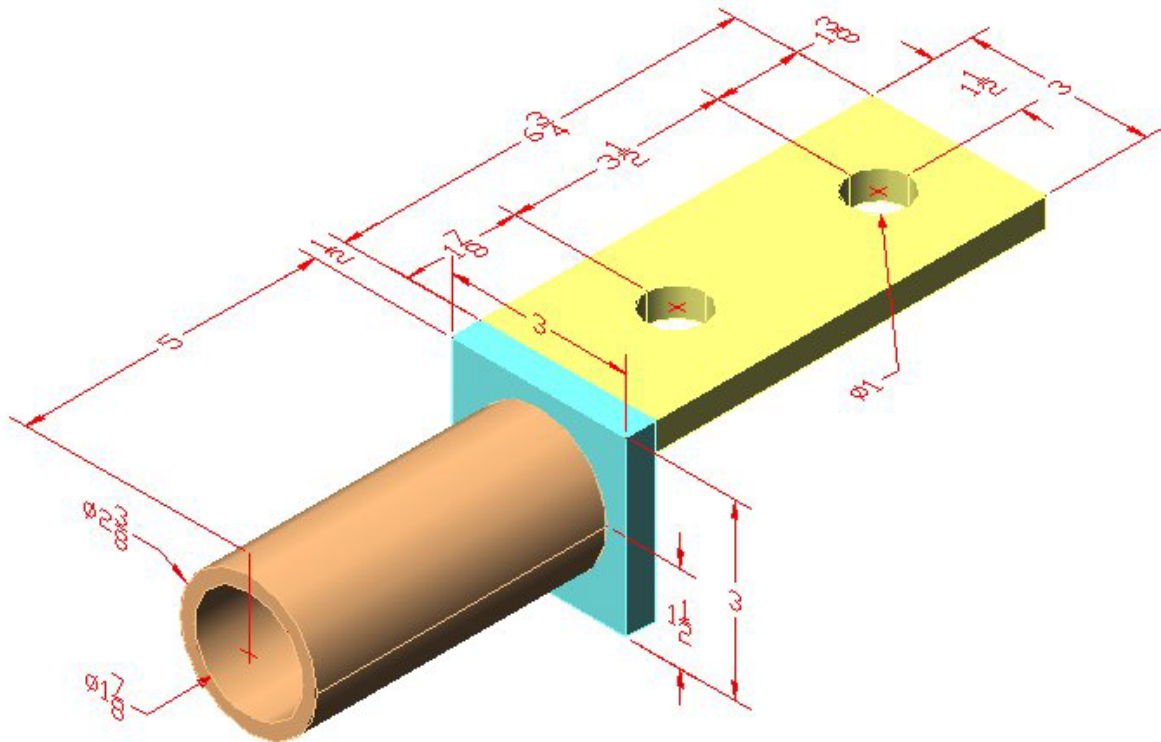


Figure B.1 – Flagpole Bracket

*** World Class CAD Challenge 09-10 * - Create three part drawings and an assembly using the techniques from Section 2, of the World Class CAD – Computer Aided Civil Design. Continue this drill four times, each time completing the drawings under 60 minutes to maintain your World Class ranking. Save the drawings as Tube, Base, Side Plate and Flagpole Bracket Assembly.**

Send your best time and a copy of your drawing for verification to the authors of these problems to have your name, location and time posted. See the web site for instructions.

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