

April 2011

- revised Feb 6, 2012

# Tension Members & Connections

- compute the factored tensile resistance,  $T_r$ , of each of the following assemblies. Unless otherwise noted, assume:

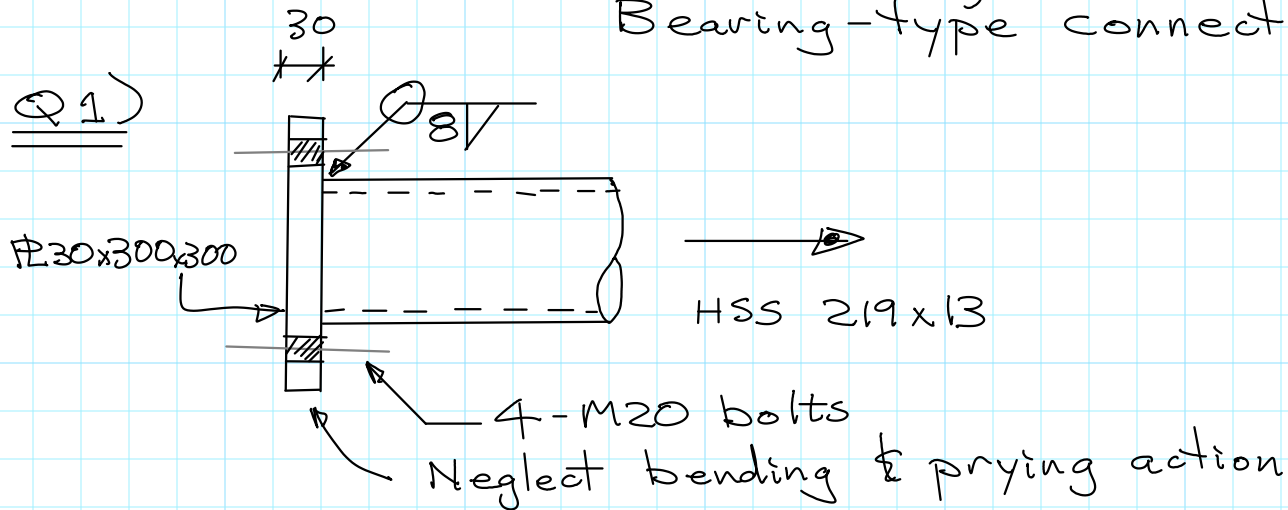
Grade 300W steel

M20 bolts in punched holes

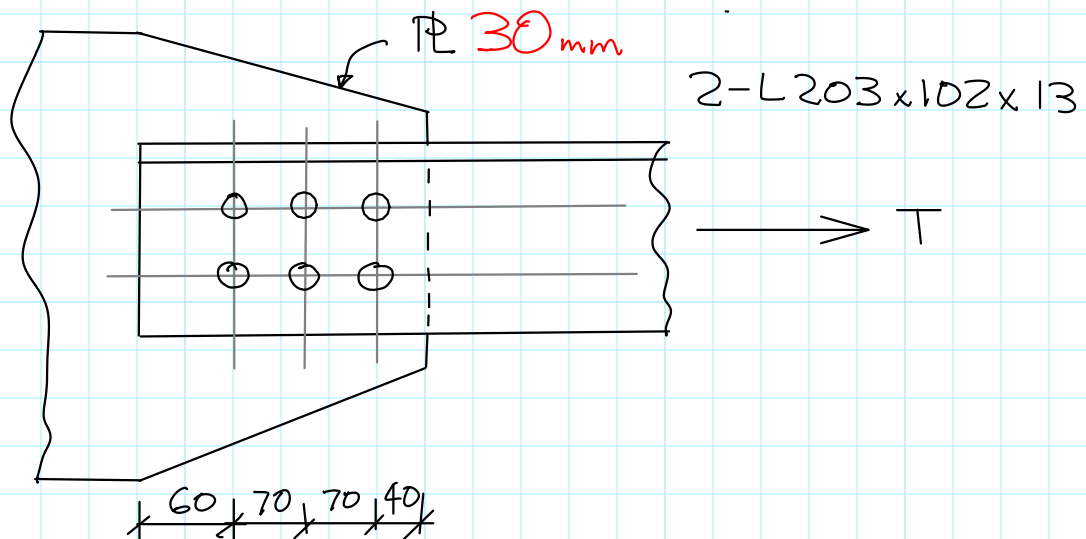
A325 bolts, E49XX electrodes

Bearing-type connections

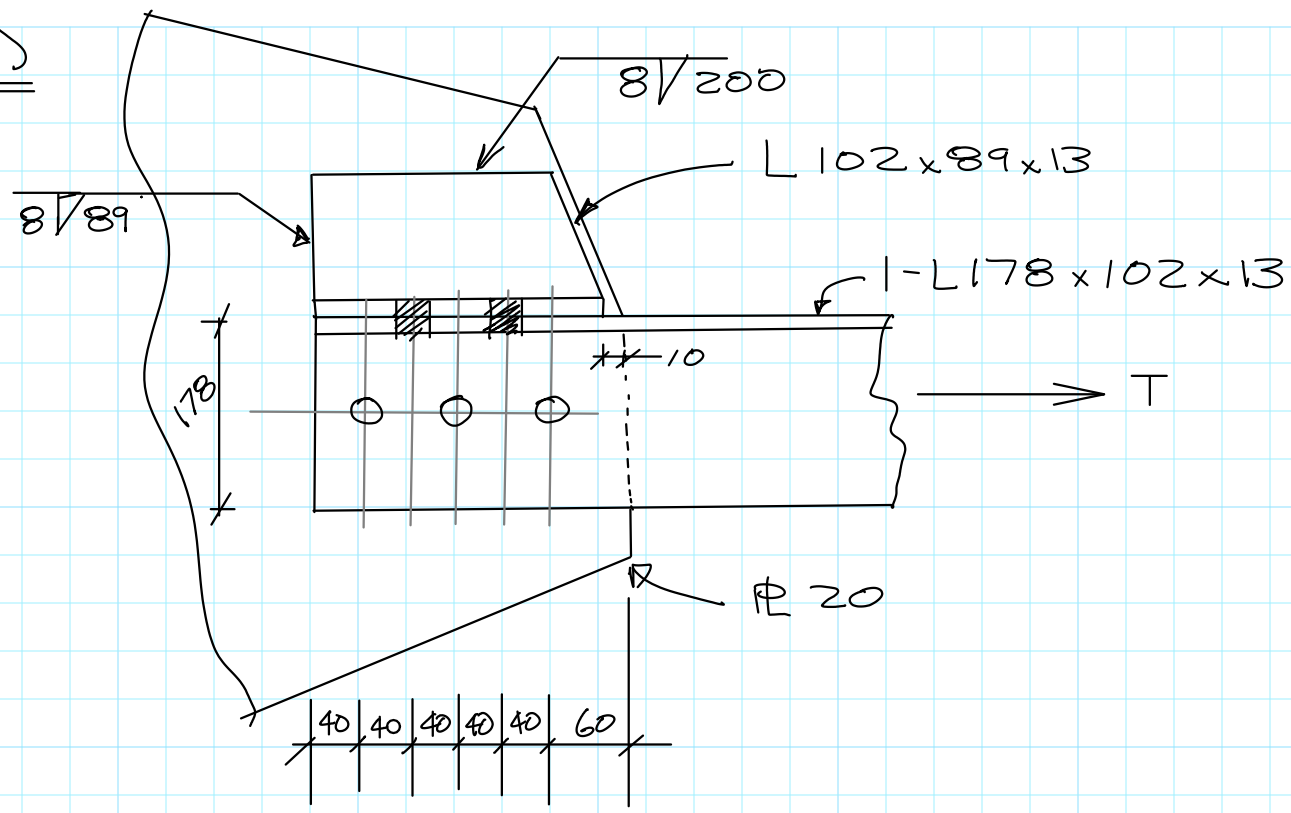
Q1)



Q2)



Q3)



Q4)

