

Project No	Example	Sht. No.	15of 16
Site Address	Example		
Subject	Extension and alteration works + Supporting Calculations		

BEAM A TO BEAM G - CLEAT CONNECTION

TEDDS calculation version 2.0.11

Section Details

Supporting Beam - UC 203x203x46;; Gradesupporting = "\$275" Supported Beam - 2no UB 178x102x19;; Grade_{supported} = "\$275"

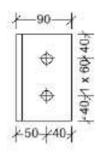
Cleats 2 x RSA 90x90x10;; (140mm cleat length) Gradecleats = "S275"

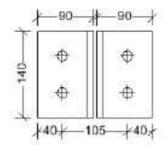
6no Bolts M16 (Grade 8.8)



SECTION THROUGH SUPPORTING BEAM

SECTION A - A.





Connection Details

Bolt eccentricity for supported beam;

number of bolt rows;

Bolt pitch;;

Bolt gauge:

End projection;

Cleat end distance (top & bottom);

Cleat edge distance on supported beam;

Cleat edge distance on supporting beam;

Cleat length;

;Supported Beam end reaction;

abolts = 50 mm

n_{bolts} = 2

pools = 60 mm

goots = 105 mm

t = 10 mm

ercleats = 40 mm

e2cleatssupported = 40 mm

@2cleatssupporting = 40 mm

Ideats = poots×(noots-1)+2×e tcleats = 140 mm

Q = 24.0 kN

Check 1 - Essential detailing requirements

NOTE: For Building Regulations Submission only, not for ordering materials. Principal Contractor is responsible for taking measurements on site, preparing construction drawings and safely erecting the proposed structural works. Team Design is not responsible for site supervision.