

STANDARD CONNECTION DETAILS

Typical Details: Beam/Column Joints, Base Plates, Bracing, and Fastening

COLUMN & BASE PLATE DETAILS

CBD-01: Column Base with Anchor Bolts

- Column Section: UB 150×75×13
- Base Plate: 250 × 250 × 20mm PL
- Anchor Bolts: M20 × 600mm (4no.), Grade 8.8
- Setting: Non-shrink grout, 40mm depth

AS 4100-1998 Cl. 9.2 | AS 4100-1998 Cl. 13.4

CBD-02: Levelling Plate Installation

- Levelling Plate: 300 × 300 × 10mm temporary
- Packing: Stainless steel shim plates
- Remove after final grout cure
- Grout cure: 7 days minimum before load

AS/NZS 1554.1 | AS 4100-1998 Cl. 9.2.2

BEAM-TO-COLUMN CONNECTIONS

BCC-01: Bolted Moment Resisting Joint

- Bolts: M16 Grade 8.8 (2 rows, 3 bolts/row)
- Bolt Grade: Category S (slip-critical)
- End Plate: 200 × 200 × 15mm
- Design Load: Verified per AS 4100 Table 9.3

AS 4100 Cl. 9.3 | Bolt torque: 145 N·m

BCC-02: Welded Shear Connection

- Weld Type: Fillet weld, grade E7018
- Size: 6mm both sides, full length
- Procedure: AS/NZS 1554.1 WPS
- Inspection: 100% visual + UT as required

AS/NZS 1554.1-2015 | Weld Category: SP

BRACING & GUSSET PLATE DETAILS

PROJECT	TINGALPA OFFICE FITOUT			DRAWING TITLE	Standard Details
CLIENT	Tingalpa Pty Ltd			LOCATION	Tingalpa, Brisbane QLD
DRAWN	A. Taylor	CHECKED	R. Smith	SCALE	1:20 (varies)
DATE	21 NOV 2025	SHEET	5 of 12	DRAWING No.	S-500
REVISION	A			STATUS	FOR CONSTRUCTION

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED BY
A	Initial Issue - Standard Connection Details	21 NOV 2025	R.S.