

LEVEL 1 FRAMING PLAN

Beam/Column Joints, Connection Details, Steel Bracing & Support

STANDARD CONNECTIONS & DETAILS

COLUMN BASE PLATE (CBP-1)

- Base Plate: 400 × 400 × 25mm, Grade 300
- Anchor Bolts: M24, Grade 8.8 (4no.)
- Grout: Non-shrink epoxy, 50mm min
- Ref: Detail D1 on S-104

BEAM-COLUMN CONNECTION (BCC-2)

- Connection Type: Moment Resisting
- Bolts: M20 Grade 8.8, Category S
- Welds: AS/NZS 1554.1, SP Category
- Ref: Detail D2 on S-104

DIAGONAL BRACING (BR-3)

- Section: CHS 100 × 5.0mm, Grade 300PLUS
- End Connection: Bolted gusset plates
- Bolts: M16 Grade 8.8 (2no. per connection)
- Ref: Detail D3 on S-104

SHEAR TAB CONNECTION (STC-4)

- Tab Plate: 200 × 100 × 12mm
- Bolts: M16 Grade 8.8 (3no.)
- Weld: Fillet 8mm, 2 sides
- Ref: Detail D4 on S-104

IMPORTANT: All connections are designed for ultimate limit state loads. Site verification of dimensions and tolerances is mandatory before fabrication. Fabrication drawings and welding procedures required for approval (see S-001 General Notes, Item 5).

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| PROJECT | TINGALPA OFFICE FITOUT | | | DRAWING TITLE | Level 1 Framing Plan |
| CLIENT | Tingalpa Pty Ltd | | | LOCATION | Tingalpa, Brisbane QLD |
| DRAWN | A. Taylor | CHECKED | R. Smith | SCALE | 1:20 |
| DATE | 21 NOV 2025 | SHEET | 4 of 12 | DRAWING No. | S-102 |
| REVISION | A | | | STATUS | FOR CONSTRUCTION |

REVISION HISTORY

| REV | DESCRIPTION | DATE | APPROVED BY |
|-----|---|-------------|-------------|
| A | Initial Issue - Level 1 Framing & Connections | 21 NOV 2025 | R.S. |