

STRUCTURAL COLUMN SCHEDULE

Level 1 - Member Details & Specifications

ENG
STRUCT

PROJECT: ENG COMMERCIAL TOWER

1631 Wynnum Road, Tingalpa QLD 4173

Client: ABC Development Corp | Design Engineer: W. Liu, RPEQ | Checker: R. Smith, RPEQ

LEVEL 1 COLUMN SCHEDULE

MARK	SECTION TYPE	SIZE (mm)	LENGTH (mm)	GRADE	BASE PLATE	CAP PLATE	FINISH	COMMENTS
C1	Universal Column	310 UC 158	4500	350L0	BP-01 (25mm)	CP-01 (20mm)	HD Galv.	External corner column. Exterior exposure. Verify grout under base plate (min 40 MPa). See Detail D7/S-500
C2	Universal Column	310 UC 158	4500	350L0	BP-01 (25mm)	CP-01 (20mm)	HD Galv.	External corner column. Exterior exposure. Identical to C1. Non-shrink grout required. See Detail D7/S-500
C3	Universal Column	250 UC 89.5	4200	300PLUS	BP-02 (20mm)	CP-02 (16mm)	Paint System A	Interior column. 2-coat paint system (primer + topcoat). See Detail D8/S-500. Fire rating: 90 min FRL
C4	Universal Column	250 UC 89.5	4200	300PLUS	BP-02 (20mm)	CP-02 (16mm)	Paint System A	Interior column. Identical to C3. Cross-bracing connection on east face. See Detail D8/S-500
C5	Universal Column	200 UC 46.2	3800	300PLUS	BP-03 (16mm)	N/A	Paint System A	Verify on site (V.O.S.) - May be converted to beam/strut depending on bracing configuration. Paint finish on arrival.

MATERIAL & FABRICATION SPECIFICATIONS

STEEL GRADES

- 350L0: Low-carbon, improved ductility, Charpy-tested (20°C min)
 - 300PLUS: High-strength, suitable for primary structure
- All per AS/NZS 3679.1

BASE PLATE SPECIFICATIONS

- Material: AS 3679 Grade 300PLUS
- Anchor bolts: M24 Grade 8.8 (4 no. per column)
- Grouting: Non-shrink epoxy, minimum 40 MPa
- Setting: 40mm min depth under plate

CAP PLATE SPECIFICATIONS

- Material: AS 3679 Grade 300PLUS (except where noted)

PROJECT	ENG COMMERCIAL TOWER			DRAWING TITLE	Column Schedule - Level 1
CLIENT	ABC Development Corp			LOCATION	1631 Wynnum Rd, Tingalpa QLD
DRAWN	W. Liu	CHECKED	R. Smith	SCALE	N.T.S.
DATE	21 NOV 2025	SHEET	7 of 18	DRAWING No.	S-201
REVISION	C			STATUS	FOR CONSTRUCTION

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	Issued for Review - Column Schedule L1	12 SEP 2024	M.B.
B	Issued for Tender - Qty & paint system confirmed	10 OCT 2024	M.B.
C	Issued for Construction - C5 marked V.O.S., grout specifications updated	14 NOV 2024	R.S.