

CHEN STRUCTURAL PTY LTD

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PROJECT: FORTITUDE VALLEY MIXED USE

1240 Brunswick St, Fortitude Valley QLD 4006

Client: Valley Developments | Engineer: W. Chen, RPEQ | Checker: K. Tran, RPEQ

LEVEL 3 COLUMN SCHEDULE

[Vector PDF but complex formatting]

MARK	SECTION	QTY	LENGTH (mm)	GRADE	BASE PLATE	CAP PLATE	REMARKS
C3-1	310UC118	4	4200	300PLUS	BP-01 (25mm)	CP-01 (20mm)	Corner column. See Detail D7/S-500. Verify grout under base (min 40 MPa). Fire protection: 120 min FRL intumescent coating.
C3-2	250UC 89.5	8	4200	300PLUS	BP-02 (20mm)	CP-02 (16mm)	Interior column. 2-coat paint system (primer + topcoat). Cross-bracing connection on north face - see coordination drawing CD-305
C3-3	WB 610 × 6.0 × 305 WT (welded box section)				2	3800	AS1594 HA350 SPECIAL BASE BP-WB N/A
	Custom welded section - fabricator to provide mill certs for all plate material.						
	Full penetration welds required. NDT inspection: 100% ultrasonic testing.						
	Shop drawing approval required before fabrication. Allow 8-10 weeks lead time.						
C3-4	200UC 52.2 [OR] 250UC 72.9	3	4200	300	BP-03 (16mm)	CP-03 (12mm)	V.O.S. - Pending MEP coordination. May be converted to 250UC72.9 if services require clearance. Confirm with architect before ordering.
C3-5	310 UC 158	6	4500	350L0 (Charpy tested @20°C)	BP-01 (25mm)	CP-01 (20mm)	External column. Hot dip galvanised per AS/NZS 4680. Touch-up painting required on site for any damage during transport/erection.

MATERIAL SPECIFICATIONS & FABRICATION NOTES

STEEL GRADES:

- 300PLUS / 300: High-strength structural steel per AS/NZS 3679.1
- 350L0: Low-carbon, improved ductility, Charpy impact tested at 20°C minimum
- AS1594 HA350: High-strength welded plate per AS1594 (for custom welded sections)

BASE PLATE & ANCHOR SPECIFICATIONS:

Base Plate Type	Thickness	Anchor Bolt Details	Grout Specification
BP-01	25mm (Grade 300)	4 x M24 Grade 8.8	Non-shrink epoxy, min 40 MPa compressive. 40mm depth under plate. Cure time: 24hr min
BP-02	20mm	4 x M20	Same as BP-01

PROJECT:		DRAWING No:	REVISION:
FORTITUDE VALLEY MIXED USE		S-305	E
CLIENT:		LOCATION:	STATUS:
Valley Developments		1240 Brunswick St	FOR CONSTRUCTION
DRAWN: W. Chen	CHECKED: K. Tran	DATE: 21 NOV 2025	(except C3-4 - HOLD pending coordination)
SHEET: 8 of 22	SCALE: N.T.S.		

CRITICAL SITE VERIFICATION REQUIRED:

- C3-4: Confirm final size with architect after MEP coordination (by 15 DEC 2024)