

PROJECT: INDUSTRIAL WAREHOUSE EXTENSION

Client: LogiBrisbane Pty Ltd | Location: Docklands, Brisbane QLD
Design Engineer: M. Chen, RPEQ | Checker: R. Smith, RPEQ

PRIMARY ROOF BEAMS

MARK	MEMBER SIZE	QTY	LENGTH (mm)	GRADE	PAINT SYSTEM	REMARKS
B-101	460UB82.1	12	8500	300PLUS	P1 (2 coats)	Main Ridge Beam. Fly Brace @ 1500 CTRS. See Detail D1/S-500
B-102	460UB82.1	4	6200	300PLUS	P1 (2 coats)	Secondary Ridge Support. See Detail D4/S-500
B-103	400UB67.0	8	7200	300PLUS	P1 (2 coats)	Intermediate Purlins. Camber 15mm mid-span. See Detail D2/S-500

SECONDARY MEMBERS

MARK	MEMBER SIZE	QTY	LENGTH (mm)	GRADE	PAINT SYSTEM	REMARKS
R-01	200PFC	20	5500	G300	Hot Dip Galv.	Ridge Beam - Galvanised per AS/NZS 4680. Verify bolt tightness pre-install.
R-02	150PFC	8	4000	G300	Hot Dip Galv.	Eaves Beam - Galvanised. Cross-braced to primary beams. See Detail D3/S-500
R-03	150PFC	6	3800	G300	Hot Dip Galv.	End Frame Bracing. Connection bolts M16 Grade 8.8 Category S (slip-critical).

ROOF STRUTS & BRACING

MARK	MEMBER SIZE	QTY	LENGTHS (mm)	GRADE	PAINT SYSTEM	REMARKS
STR-1	75x75x4 SHS	16	VARIES 1200-2400	300PLUS	P1 (2 coats)	Roof Struts. Bolted connections (M12 Grade 8.8). Individual member lengths marked on CAD model.
STR-2	60x60x3 SHS	24	VARIES 800-1600	300PLUS	P1 (2 coats)	Lateral Bracing Members. All gusset plates 12mm thick. See Detail D5/S-500 for connection.

PROJECT	INDUSTRIAL WAREHOUSE EXTENSION			DRAWING TITLE	Roof Beam Schedule
CLIENT	LogiBrisbane Pty Ltd			LOCATION	Docklands, Brisbane QLD
DRAWN	M. Chen	CHECKED	R. Smith	SCALE	N.T.S.
DATE	21 NOV 2025	SHEET	6 of 15	DRAWING No.	S-105
REVISION	B			STATUS	FOR CONSTRUCTION

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	Initial Issue - Roof Beam Schedule	05 NOV 2025	R.S.
B	Added STR-2 bracing, load case clarification, paint system updated	21 NOV 2025	R.S.