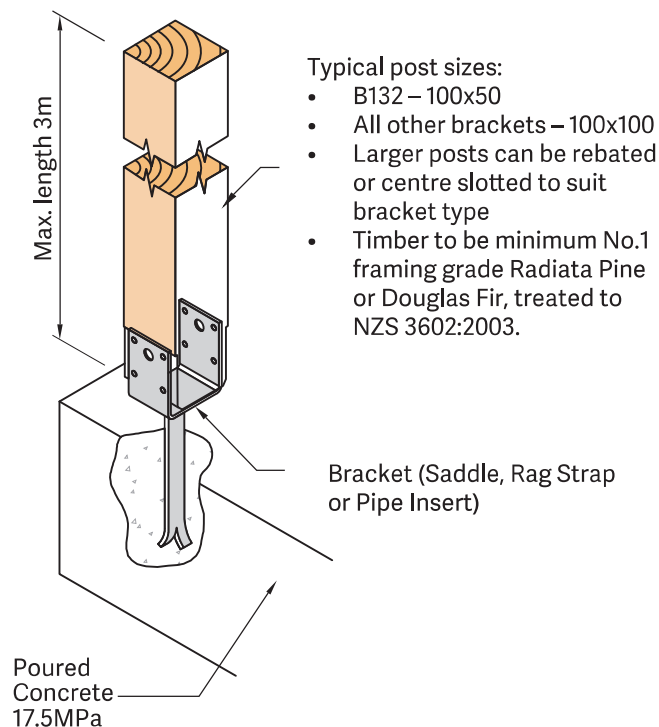


BUILDING WITH BOWMAC®

POST & BEARER BRACKETS



Typical post sizes:

- B132 – 100x50
- All other brackets – 100x100
- Larger posts can be rebated or centre slotted to suit bracket type
- Timber to be minimum No.1 framing grade Radiata Pine or Douglas Fir, treated to NZS 3602:2003.

BRACKET RANGE

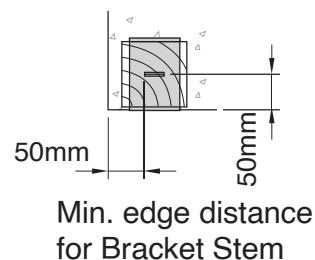
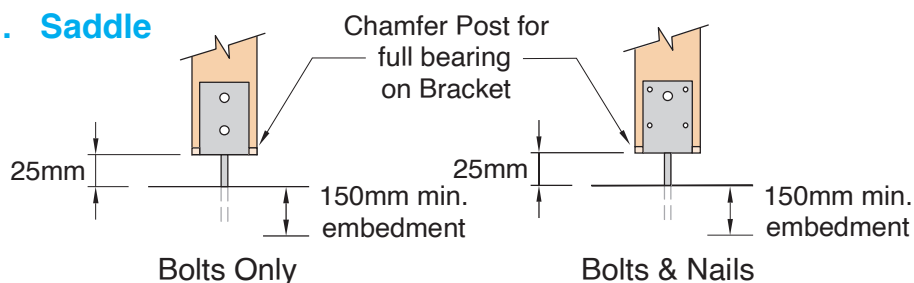
- B12, B16, B18, B25, B28, B75, B78, B79, B132, B134, B135, B138, B195, B196, B197 and B198* (*holes for M10 Bolt)

FIXING NOTE

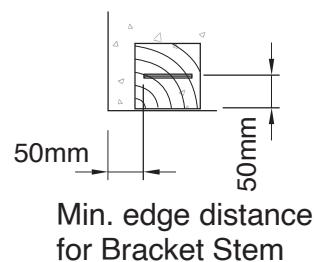
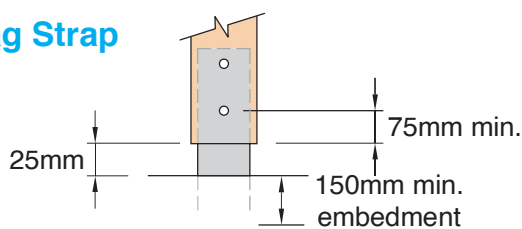
All bolt holes to accommodate M12 Bolts unless noted otherwise. Nail holes to accommodate nails as supplied.

TYPICAL USE

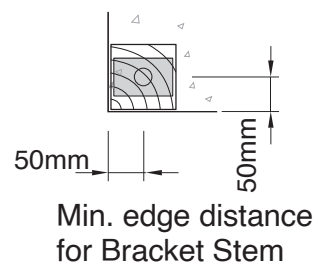
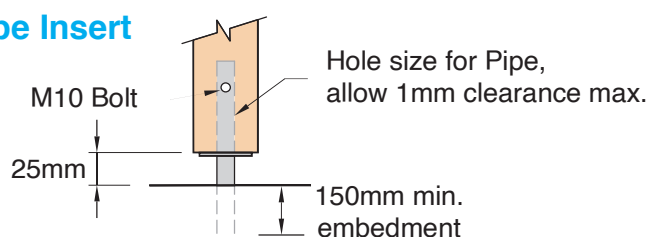
1. Saddle



2. Rag Strap



3. Pipe Insert

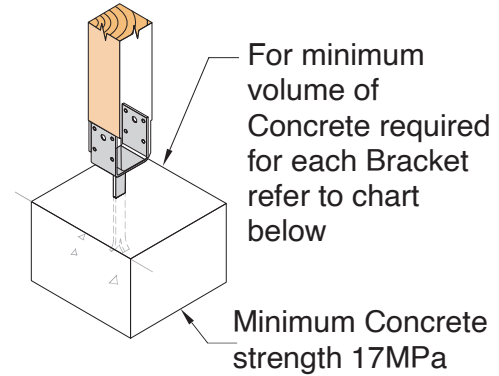
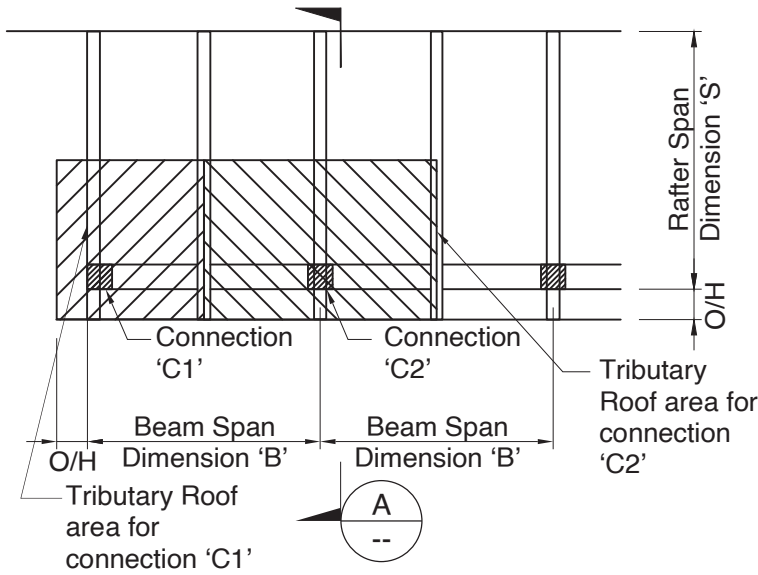


ON-SITE FITTED DIMENSIONS

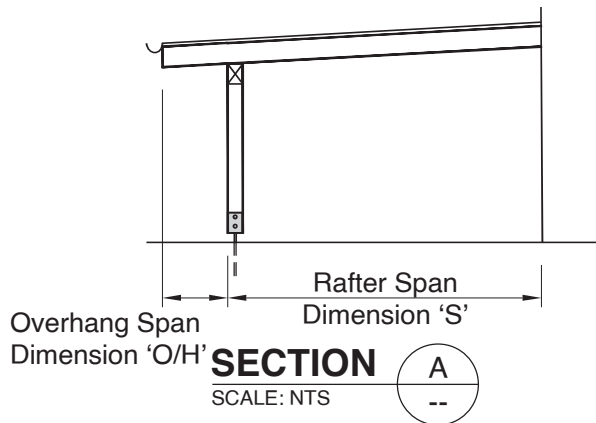
BOWMAC® Structural Brackets Design Details

Job No.: CH1000
Revise Date: 05/2023
Sheet No.: Sheet 1

BUILDING WITH BOWMAC® POST & BEARER BRACKETS



FOUNDATION DETAILS



EXAMPLE AREAS

- Tributary roof area on connection 'C1' = $(S/2 + O/H) \times (B/2 + O/H)$
- Tributary roof area on connection 'C2' = $(S/2 + O/H) \times B$

LAYOUT & LOAD DIMENSIONS

BRACKET TYPE

- **Type 1:** B134 and B198
- **Type 2:** B12, B18, B25, B28, B132, B135, B138, B195 and B196
- **Type 3:** B16, B75, B78, B79 and B197

LOAD TABLE

Roof type	Wind zone	Area of roof supported						
		1m ²	2m ²	4m ²	6m ²	8m ²	10m ²	12m ²
Light*	Extra high	Type 1	Type 1	Type 2	Type 2	Type 3	Type 3	-
	Very high	Type 1	Type 1	Type 2	Type 2	Type 3	Type 3	Type 3
	High	Type 1	Type 1	Type 1	Type 2	Type 2	Type 2	Type 3
	Medium	Type 1	Type 1	Type 1	Type 1	Type 2	Type 2	Type 2
	Low	Type 1	Type 1	Type 1	Type 1	Type 1	Type 1	Type 2
Heavy*	Extra high	Type 1	Type 1	Type 2	Type 2	Type 3	Type 3	Type 3
	Very high	Type 1	Type 1	Type 1	Type 2	Type 2	Type 2	Type 3
	High	Type 1	Type 1	Type 1	Type 1	Type 2	Type 2	Type 2
	Medium/Low	Type 1	Type 1	Type 1	Type 1	Type 1	Type 1	Type 1

MIN. CONCRETE FOOTING VOLUME TABLE

Roof type	Wind zone	Volume of footing concrete (m ³) for area of roof supported						
		1m ²	2m ²	4m ²	6m ²	8m ²	10m ²	12m ²
Light*	Extra high	0.09	0.16	0.32	0.49	0.61	0.79	1.00
	Very high	0.07	0.13	0.26	0.40	0.50	0.65	0.80
	High	0.05	0.10	0.20	0.30	0.40	0.50	0.60
	Medium	0.03	0.05	0.10	0.15	0.20	0.25	0.30
	Low	0.02	0.03	0.07	0.10	0.15	0.15	0.20
Heavy*	Extra high	0.05	0.09	0.16	0.25	0.32	0.39	0.49
	Very high	0.04	0.07	0.13	0.20	0.26	0.32	0.40
	High	0.03	0.05	0.10	0.15	0.20	0.25	0.30
	Medium/Low	No securement for uplift required						

* Refer to NZS 3604:2011 for specific roof weights.