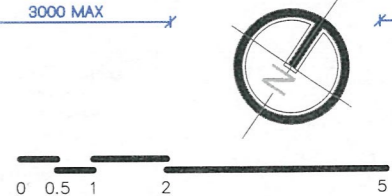
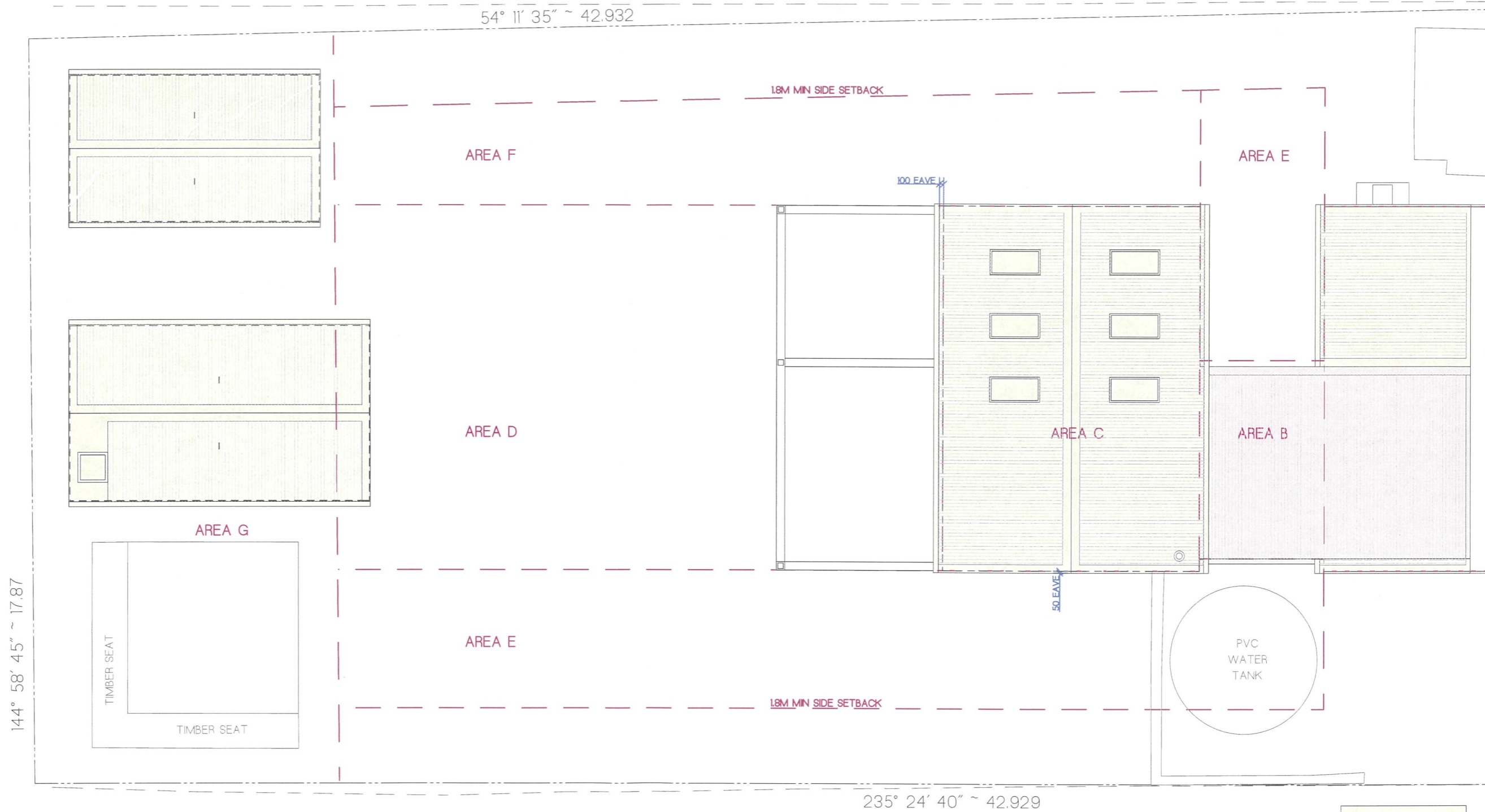
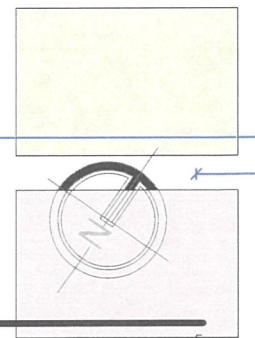


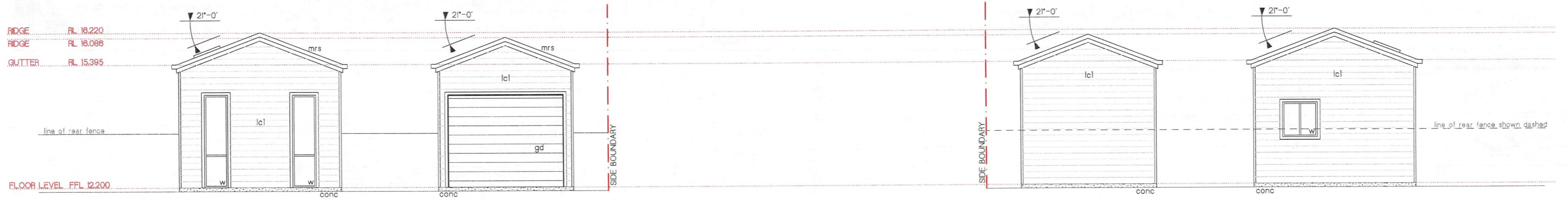
This plan/document forms part of the approved Certificate as issued by James Garnett BDC1788





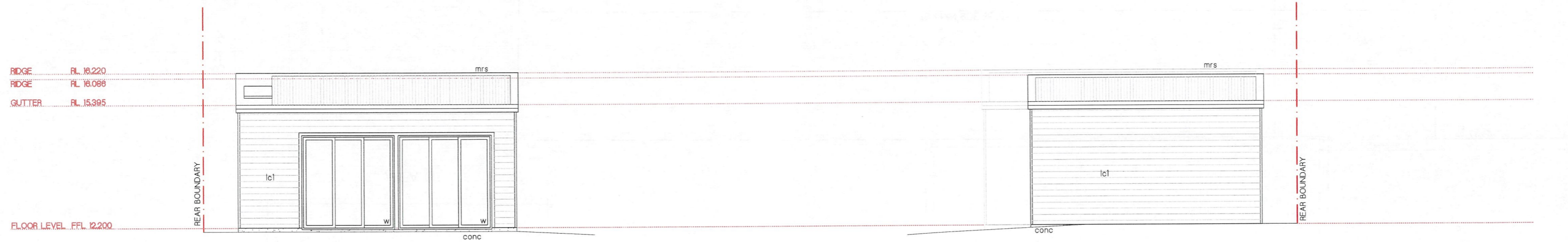
This plan/document forms part  
of the approved Certificate  
as issued by  
James Garnett BDC1788





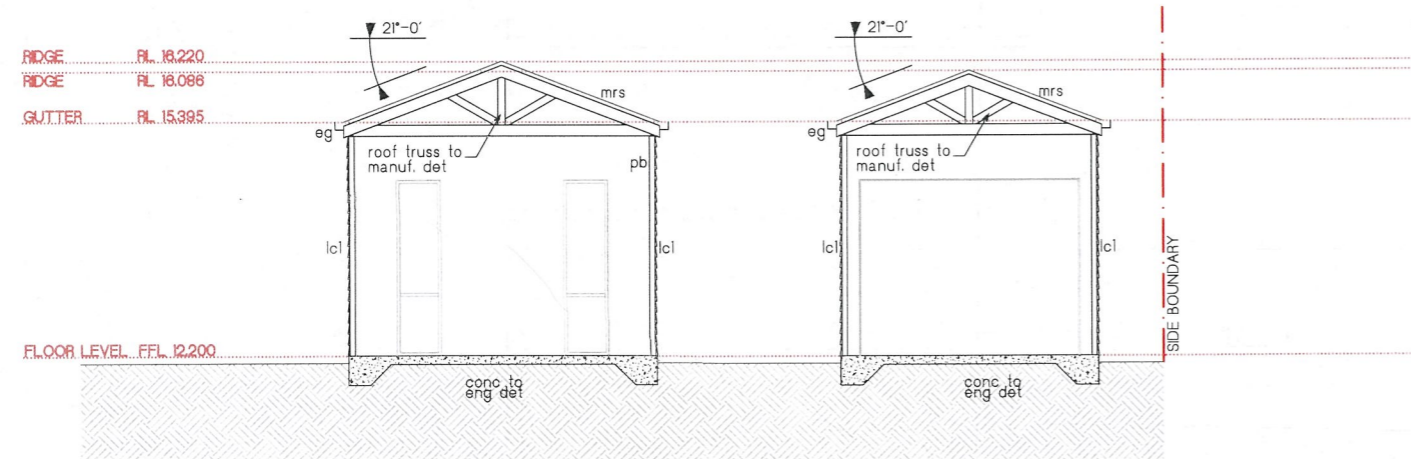
**EAST ELEVATION**  
Scale 1:100

**WEST ELEVATION**  
Scale 1:100



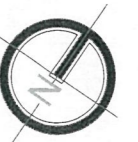
**SOUTH ELEVATION**  
Scale 1:100

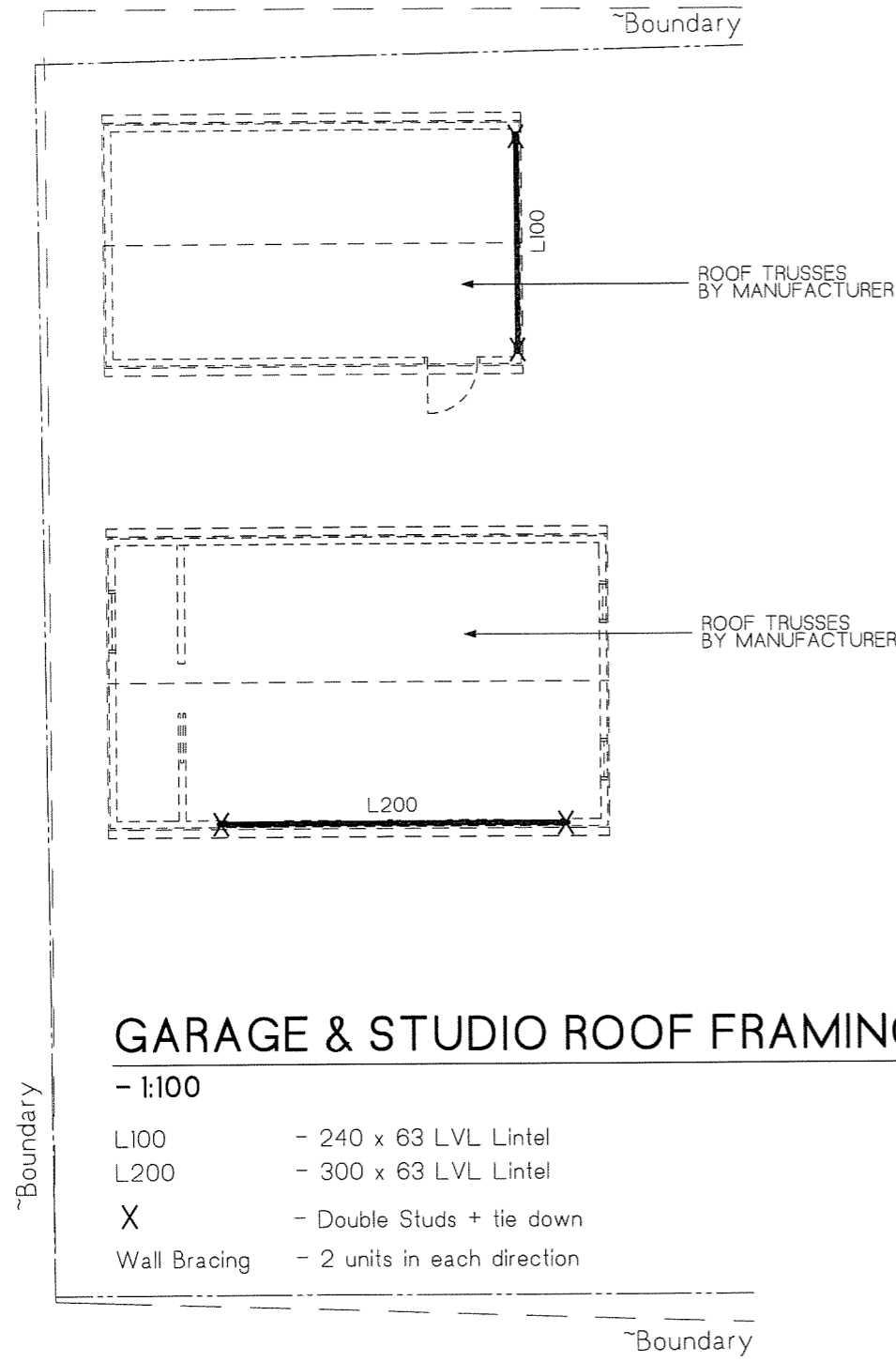
**NORTH ELEVATION**  
Scale 1:100



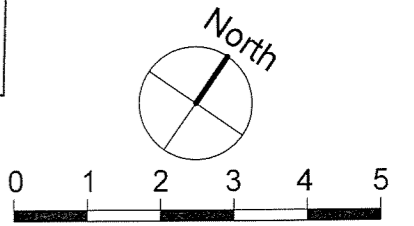
**SECTION 4**  
Scale 1:100  
CC-16

This plan/document forms part of the approved Certificate as issued by James Garnett BDC1788





This plan/document forms part of the approved Certificate as issued by James Garnett BDC1788



**Barrenjoey Consulting Engineers** Pty Ltd  
Stormwater      Structural      Civil  
PO Box 672  
Avalon NSW 2107  
  
M: 0418 620 330  
E: lucasbce@bigpond.com  
ABN: 13 124694917  
ACN: 124694917

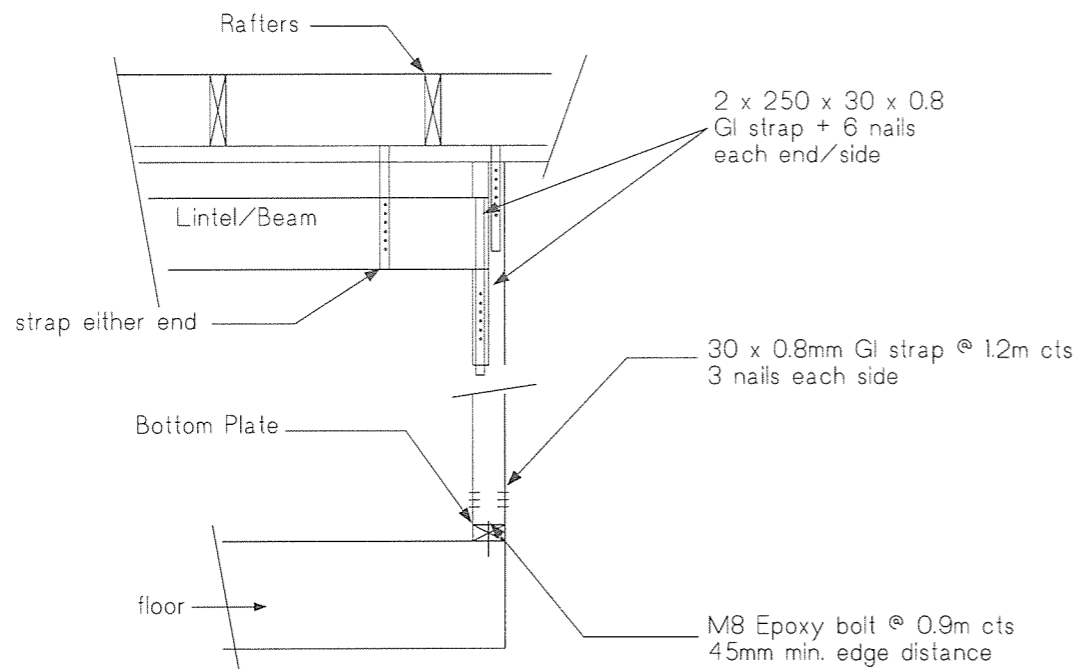
**PROJECT:**  
PROPOSED  
ALTERATIONS & ADDITIONS  
22 FLOWERS DRIVE  
CATHERINE HILL BAY  
for -H. KANE & J. MORLEY

**DRAWING:**  
GARAGE & STUDIO  
ROOF FRAMING PLAN

Job No:  
**250103**

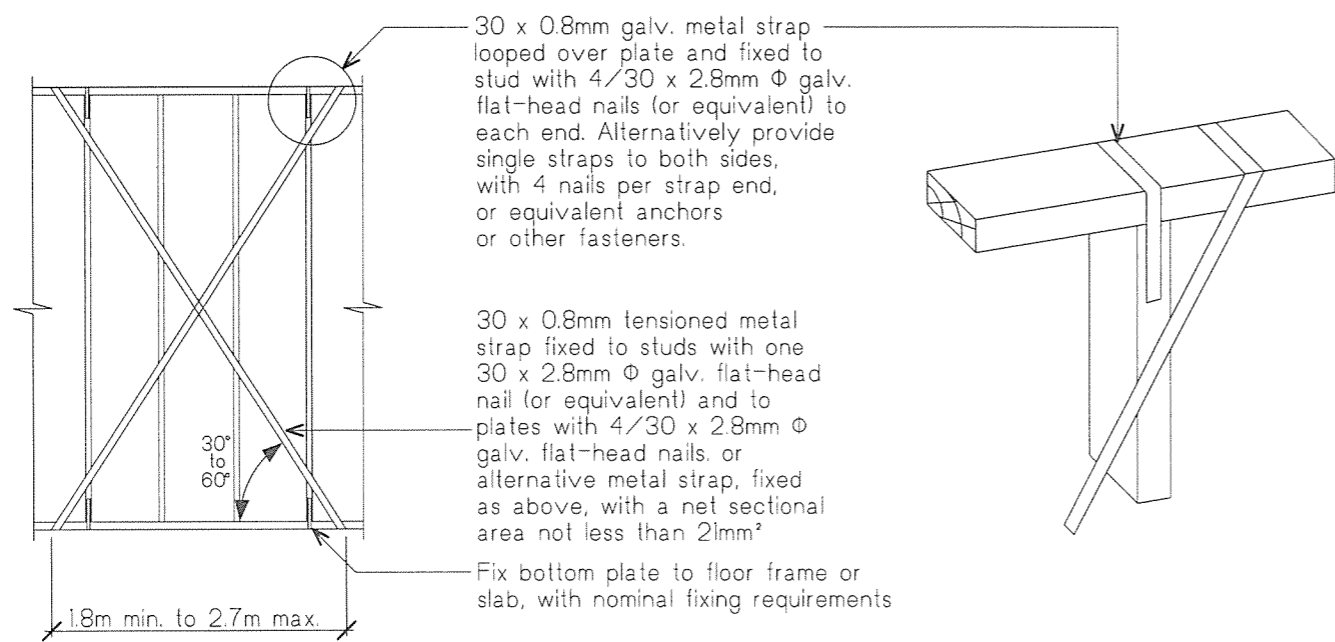
Drawing No:  
**S5.00**

Documentation Certification  
Barrenjoey Consulting Engineers Pty Ltd  
per  
Lucas Molloy MIEA CPEng NER Director



### SPECIFIC TIE DOWN REQUIREMENTS

ALL NAILS 30 X 2.8mm GALV FLAT HEAD  
REFER TO AS1684 FOR OTHER JOINT GROUP REQUIREMENTS

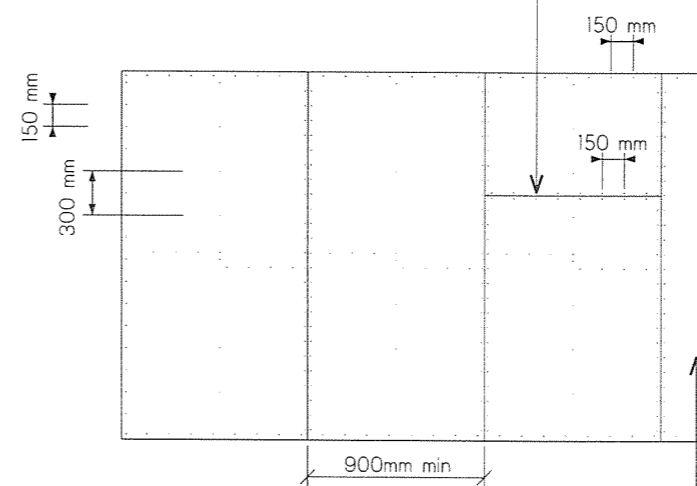


### CROSS BRACING DETAIL (1 UNIT)

In accordance with Timber Framing Code AS 1684

*Plywood*  
Plywood shall be nailed to frame using 30 x 2.8Φ galvanised flat-head nails or equivalent.

Horizontal butt joints permitted. Providing nail fixed to nogging at 150 mm Centres



Fastener spacing  
150 mm top and bottom plates  
150 mm vertical edges, nogging  
300 mm intermediate studs

where required, one row of noggings staggered or single line at half wall height

#### NOTES

- Each 900 mm panel = one Type A bracing unit.
- No other rods or straps are required between top or bottom plate.
- Fix bottom plate to floor frame or slab with nominal fixing only (see Table 9.3).

### PLYWOOD BRACING DETAIL (2 UNITS)

In accordance with Timber Framing Code AS 1684

Minimum plywood thickness (mm)		
Stress grade	Stud spacing (mm)	
	450	600
No nogging (Except Horizontal butt joints)		
F8	7	9
F11	4.5	7
F14	4	6
F27	3	4.5
One Row of nogging		
F8	7	7
F11	4.5	4.5
F14	4	4
F27	3	3

This plan/document forms part of the approved Certificate as issued by James Garnett BDC1788

**Barrenjoey Consulting Engineers** Pty Ltd  
Stormwater      Structural      Civil

PO Box 672  
Avalon NSW 2107

M: 0418 620 330  
E: lucasbce@bigpond.com  
ABN: 13 124694917  
ACN: 124694917

**PROJECT:**  
PROPOSED  
ALTERATIONS & ADDITIONS  
22 FLOWERS DRIVE  
CATHERINE HILL BAY  
for -H. KANE & J. MORLEY

**DRAWING:**  
GENERAL BRACING  
DETAILING 1

Job No:  
**250103**

Drawing No:  
**S6.00**

Documentation Certification  
Barrenjoey Consulting Engineers Pty Ltd  
per  
Lucas Molloy MIEA CPEng NER Director