

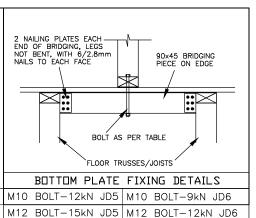
TWO SCREWS SHALL BE USED ONLY

2/No.14 TYPF 17

WITH 75mm WIDE BATTEN

BOTTOM PLATE JOIST 2/No. 14 TYPE 17 SCREWS AT 900 MIN. 40mm PENETRATION MAX c/c IF LBW INTO FLOORING AND/OR  $2/90 \times 3.050$ NAILS AT EACH STUD IF NON-LBW

CHEMICAL, EXPANSION OR FIRED PROPRIETARY FASTENERS AS PER MANUFACTURERS SPECS REFER TO MANUFACTURERS' RECOMMENDATIONS ON MINI EDGE DISTANCES & SAFETY



TOP HAT BATTEN (PURLIN) TO RAFTER/TRUSS (GENERAL)

BOTTOM PLATE TO TIMBER FLOOR

BOTTOM PLATE TO SLAB

OF THE CONTRACT

**GENERAL NOTES** 

G1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECT'S AND OTHER CONSULTANT'S DRAWINGS AND SPECIFICATIONS AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE

G2. IF IN DOUBT, VERIFY WITH THE RELEVANT PARTY AS NECESSARY.

G3. REFER ANY DISCREPANCY, AMBIGUITY, OMISSION OR INCONSISTENCY TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK

G4. DO NOT OBTAIN DIMENSIONS BY SCALING THE STRUCTURAL ELEMENTS.

G5 VERIEV ALL SETTING OUT DIMENSIONS WITH THE CONTRACT ADMINISTRATOR

G6. SETTING OUT DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION/FABRICATION, WHO SHALL BE RESPONSIBLE FOR THEIR

G7. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA (BCA), THE APPROPRIATE AUSTRALIAN STANDARDS, THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

G8. IT IS THE BUILDER'S RESPONSIBILITY TO CHECK AND CONFIRM ALL DETAILS ON THE LAYOUTS, LISTS AND DETAILS SHEETS BEFORE MANUFACTURE. WOODSON ENGINEERING WILL NOT ACCEPT RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS. WOODSON ENGINEERING PROVIDES NO CONDITION, WARRANTY OR REPRESENTATION WHATSOEVER AND ANY RELIANCE ON THIS FRAME DESIGN BY YOU SHALL BE AT YOUR OWN RISK

G9. WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL WORKCOVER REQUIREMENTS AND THE WORK HEALTH AND SAFETY ACT AND THE WORK HEALTH AND SAFETY REGULATION.

G10. CONSTRUCTION SHALL NOT COMMENCE UNTIL THE RELEVANT CONSTRUCTION CERTIFICATE IS ISSUED BY THE PRINCIPAL CERTIFYING AUTHORITY

G11. SERVICES SHOWN ON DRAWINGS ARE INDICATIVE ONLY. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR IS TO IDENTIFY ALL EXISTING SERVICES. ANY DAMAGES TO THE EXISTING SERVICES ARE TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.

G12. THE DRAWINGS MAY NOT SHOW ALL DETAILS OF FIXTURES, INSERTS, SLEEVES, OPENINGS ETC. REQUIRED BY THE VARIOUS TRADES. ALL SUCH DETAILS, INCLUDING RECESSES AND CHASES, ARE TO BE APPROVED BY THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE CONSTRUCTION.

G13. THE CONTENTS OF THESES DOCUMENTS CONTAIN CONFIDENTIAL AND INTELLECTUAL INFORMATION, WHICH IS THE ABSOLUTE PROPERTY OF WOODSON ENGINEERING PTY LTD. YOU MUST AT ALL TIMES PRESERVE, KEEP SECRET AND NOT PUBLISH, DISCLOSE OR DIVULGE THE CONTENTS OF THESE DOCUMENTS. ANY BREACH OF THIS CLAUSE MAY RENDER YOU LIABLE TO ACTION INCLUDING WITHOUT LIMITATION CIVIL PROCEEDINGS FOR INJUNCTIVE RELIEF AND/OR DAMAGES SUSTAINED BY WOODSON DESIGN AND/OR ASSOCIATED ENTITIES. YOUR OBLIGATIONS PURSUANT TO THE FOREGOING ARE ONGOING.

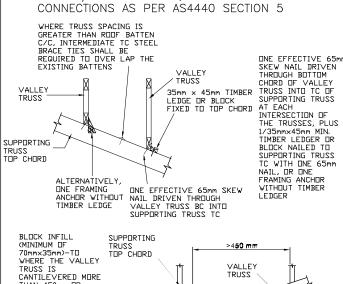
G14. WHERE STRUCTURAL INSPECTIONS ARE REQUIRED FOR CERTIFICATION. THE INSPECTIONS ARE TO BE PERFORMED BY THE STRUCTURAL ENGINEER FROM WOODSON ENGINEERING PTY LTD, THE CONTRACTOR IS REQUIRED TO ALLOW TIME FOR THE STRUCTURAL ENGINEER TO INSPECT. INSPECTIONS BY ENGINEERS FROM OTHER COMPANIES BASED ON OUR DRAWINGS AND ENGINEERING DESIGNS MAY NOT BE RECOGNIZED

G15. ALL CONNECTIONS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. SIMILAR OR ALTERNATIVE CONNECTIONS ARE ALLOWED SUBJECT TO PRIOR APPROVAL FROM WOODSON DESIGN'S ENGINEERS.

## N1/N2 SHEET ROOF-FIXINGS & TIEDOWNS AS PER AS1684.2 SECTION 9 CONNECTIONS AS PER AS4440 SECTION 5

REFER TO MANUFACTURER'S INSTALLATION GUIDE AND FASTNERS SPECS DETAILS ASIDE OF THE SCOPE'S CASE MUST BE CHECKED BY 'WOODSON ENGINEERING'

FOR N1/N2 TILED ROOF, FIXINGS & TIEDOWNS AS PER AS1684.2 SECTION 9



65mm NAILS

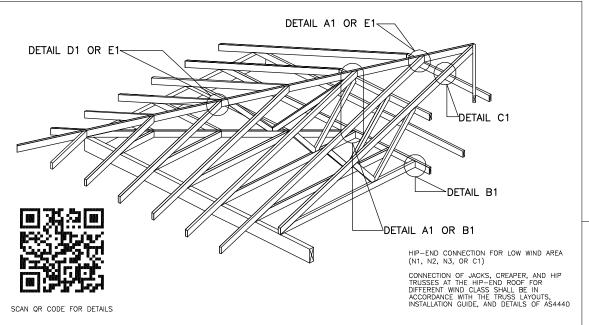
65mm NAILS

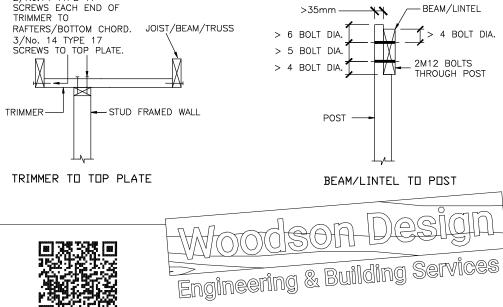
CANILLEVERED MURE THAN 450mm DR WHERE THE VALLEY TRUSS IS NOT SUPPORTED BY TWO TRUSS TOP CHORDS, FIXED TO THE VALLEY TRUSS POTTOM CUMPD VITAL

PORTUN CHURD WITH 2/65mm NAILS, AND TO EACH END TO SUPPORTING TRUSS TOP CHURD WITH

2/65mm NAILS

	LOCATION OF TIE DOWN	TYPE OF TIE DOWN -ulw defination refer to as1684.2 figure 9.5			
mm	BOTTOM PLATE TO SLAB	M10 DYNABOLT or SCREW-BOLT @ 1200 c/c I.A.W MANUFACTURER'S RECOMMENDATIONS			
•	STUDS TO PLATES-LOAD BEARING WALLS	2/90x3.05mm MACHINE DRIVEN NAILS @ 600mm c/c			
	STUDS TO BOTTOM PLATES-LOAD BEARING WALLS	1/30x0.8mm G.I STRAP 6 NAILS PER LEG @ 1200mm c/c			
	NDGGINGS TO STUDS 2/75mm NAILS @ 600mm c/c				
:	TRUSS/RAFTER FIXING TO TOP PLATE  3/2.80 NAILS & 2/30x0.8 STRAP (ULW UP TO 6M) 5/2.80 NAILS & 1/30x0.8 (LOOPED)STRAP (ULW 6M TO 7M)				
	DPENINGS UP TO 1210 TO WALL FRAME  1/30×0.8 STRAP 6 NAILS PER LEG & 1/M10 BOLT EACH END (ULW UP TO 6)  2/30×0.8 STRAP 4 NAILS PER LEG & 1/M10 BOLT EACH END (ULW 6M TO 7)				
	OPENINGS UP TO 2410 TO WALL FRAME	2/30x0.8 STRAP 4 NAILS PER LEG & 1/M10 BOLT EACH END (ULW UP TO 4M) 2/30x0.8 STRAP 6 NAILS PER LEG & 1/M12 BOLT EACH END (ULW 4M TO 6M) M10 BOLT FIX LINTEL TO PLATE (ULW 6M TO 7M)			
	DPENINGS UP TO 3010 TO WALL FRAME  2/30x0.8 STRAP 6 NAILS PER LEG & 1/M12 BOLT EACH END (ULW UP TO 5 M10 BOLT FIX LINTEL TO PLATE (ULW 5M TO 7M)				
	DPENINGS UP TO 4210 TO WALL FRAME  M10 BOLT FIX LINTEL TO PLATE (ULW UP TO 5M) M12 BOLT FIX LINTEL TO PLATE (ULW 5M TO 7M)				
	BEAMS/LINTELS TO POSTS 2/M12 BOLTS				
	RDDF BATTEN/PURLIN - END SPACING 1200 1/ND.14 x 90 mm TYPE 17 SCREW				
	GENERAL AREA	1/N□.14 × 90 mm TYPE 17 SCREW			
	CEILING JOIST TO TOP PLATE 2/75mm NAILS				

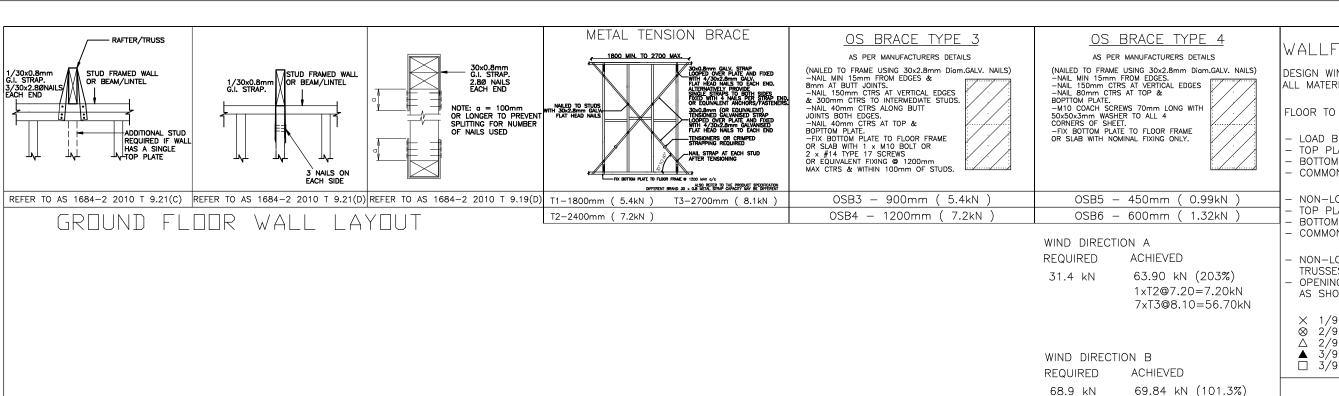


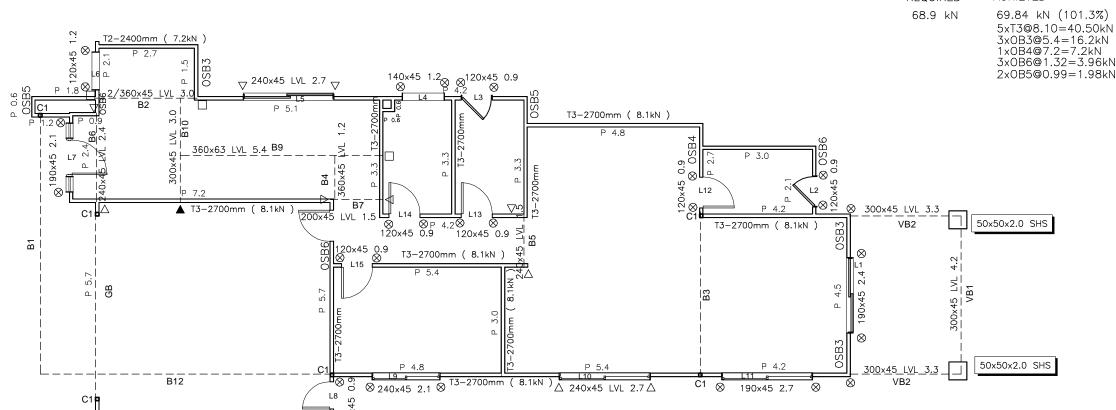


Woodson Engineering Ptv Ltd Consulting Engineers

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COLUMNS & BEAMS SCHEDULE			
MARK	SIZE		
C1	89x89x3.5 SHS		
B1	250 PFC		
B12	300 PFC		
GB	300 PFC		
В3	300 PFC		

## WALLFRAME DETAILS

DESIGN WIND SPEED = N1 ALL MATERIALS ALLOWED AS PER AS 1684-2010

FLOOR TO CEILING = 3020mm

LOAD BEARING WALLS

- TOP PLATES = 90x35 MGP10

- BOTTOM PLATES = 90x35 MGP10

- COMMON STUDS = 90x35 MGP10 600 c/c WET AREA 450 c/c

NON-LOAD BEARING WALLS

TOP PLATES = 90x35 MGP10

BOTTOM PLATES = 90x35 MGP10 - COMMON STUDS = 90x35 MGP10

600 c/c 450 c/c NON-LOAD BEARING WALLS UNDER

TRUSSES SETDOWN 20mm OPENING STUDS/POINT LOAD STUDS

AS SHOWN BELÓW

X 1/90x45 MGP10 ⊗ 2/90x35 MGP10

2/90x45 MGP10

3/90x35 MGP10 ☐ 3/90x45 MGP10

WIND DIRECTION  $\longrightarrow$  WIND DIRECTION  $\bigwedge$ 

BRACING

WIND DIRECTION A RESISTANCE

REQUIRED - 31.4 kN ACHIEVED - 63.9 kN

BRACING

WIND DIRECTION B RESISTANCE

REQUIRED - 68.9 kN ACHIEVED - 69.84 kN

SHEET BRACING VALUES GIVEN HAVE BEEN REDUCED BY 16% AS PER MANUFACTURERS DETAILS FOR JD5 TIMBER

NOTE: IF WALL HAS A SINGLE TOP PLATE TRUSSES AND RAFTERS TO BE POSITIONED DIRECTLY OVER STUDS

DATE	REVISION	ISSUE
0/0/0000	0	FOR APPROVAL

CLIENT:

**EXAMPLE** 

PROJECT:

EXAMPLE

J□B No: 00000 DRAWING No:



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## ISSUED FOR APPROVAL NOT FOR CONSTRUCTION

SCALE SHEET DATE 0 A3 1:100 1 DF 1 NDV'23 0	ΝΠ.		ENGINE	ER:CF,	/AH	DRAWN BY: GL	RFV	
	SCALE A3	1:100	SHEET 1	ΠF	1	date NDV'23	0	



T3-2700mm ( 8.1kN ) P 6.6 T3-2700mm ( 8.1kN )

- T/C RESTRAINT: REFER TO TRUSS LAYOUT & CALCS - B/C RESTRAINT 1800mm MAX C/C - PURLINS STEEL BY OTHERS
AS PER TRUSS LAYOUT/CALCS

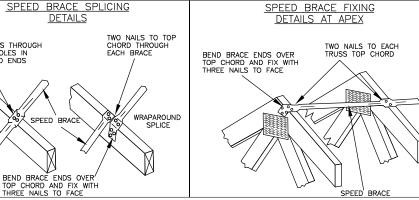
A/C DETAILS WEIGHT: 100 Kg MAX SIZE OF OPENING TO BE CONFIRMED BY CONTRACTOR.

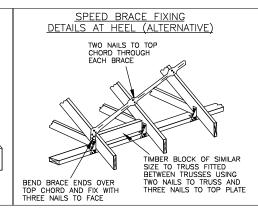
A/C - APPROX A/C LOCATION

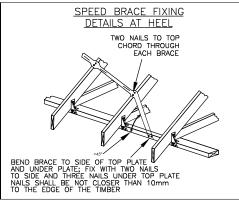
INWER

ROOF FRAME LAYOUT

DETAIL REFER TO AS4440 FIGURE 4.20 FIGURE 4.21 FIGURE 4.22 FIGURE 4.23 SPEED BRACE SPLICING <u>DETAILS</u> THREE NAILS THROUGH COMMON HOLES IN OVERLAPPED ENDS TRUSSES DETAILS REFER TO TRUSS CALCS & LAYOUT SPEED BRACE LAP SPLICE







ROOF FRAME DETAILS

DESIGN WIND SPEED = N1 ALL MATERIALS ALLOWED AS PER AS 1684-2010

- $RIDGE = 190 \times 35 MGP10$
- HIPS = 190x35 MGP10
- VALLEY TRIM =  $90 \times 35$  MGP10
- CEILING JOISTS = 90x35 MGP10 600 c/c - RAFTERS = 120x35 MGP10
- HANGING BEMS =  $120 \times 35$  MGP10 1800 c/c
- B/C TIES =  $90 \times 35$  MGP10

TRUSSES & BRACING TO BE INSTALLED, ERECTED & BRACED IN ACCORDANCE WITH AS4440

- ----- SPEED BRACE
- --- HANGING BEAMS
- - B/C TIE

----- - CEILING JOISTS

NOTE: TRUSSES AND RAFTERS TO BE POSITIONED DIRECTLY OVER STUDS IF WALL HAS A SINGLE TOP PLATE & OVERHANG TIED BACK TO WALL

THE ROOF TRUSS CALCS UPLIFT REPORT FOR THIS SITE CONTAINS OTHER RELEVANT DETAILS ALL FRAMING TO BE JD5 MATERIAL UNLESS NOTED OTHERWISE. THIS MEANS THAT UNIDENTIFIED IMPORTED SOFTWOODS SHAL NOT BE SUBSTITUTED FOR AUSTRALIAN RADIATA PINE.

UNLESS SHOWN OTHERWISE ON LAYOUT, NO SPECIAL LOADS HAVE BEEN ALLOWED. FOR EXAMPLE — A/C UNITS, SOLAR PANELS, HOT WATER SYSTEMS ETC.

DATE	REVISION	ISSUE
0/0/0000	0	FOR APPROVAL

CLIENT:

**EXAMPLE** 

PROJECT:

TRUSS DETAILS

REFER TO

LAYOUTS FROM

**EXAMPLE** 

J□B No: 00000 DRAWING No:



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N□.	DETAILER:EL DRAW	DRAWN BY: EL	RFV
SCALE	SHEET 1 DF 1	DATE NOV'23	0

