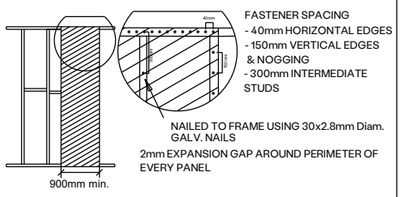
OSBRACE TYPE 3

6.0 kN/m

Osbrace Tables

OSBRACE 6mm (TYPE 3) AS PER MANUFACTURER DETAILS



FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB AS PER AS1684.2 TABLE 8.23 AND TABLE 8.24

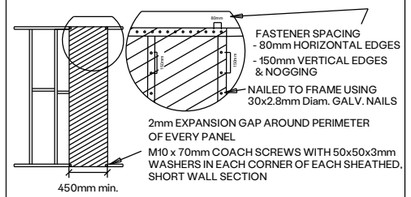
OB1 900mm (5.4kN) OB2 1200mm (7.2kN)

OSBRACE TYPE 4

2.2 kN/m

Osbrace Tables

OSBRACE 6mm (TYPE 4) AS PER MANUFACTURER DETAILS



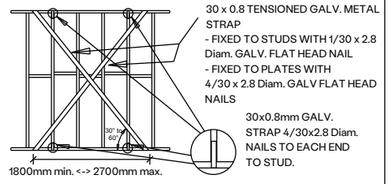
FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB WITH NOMINAL FIXING ONLY (See AS1684.2 TABLE 9.4)

OB3 450mm (0.99kN) OB4 600mm (1.32kN)

DOUBLE METAL CROSS BRACE with STUD TIES

AS1684-2, TABLE 8.18 (d)

3.0 kN/m

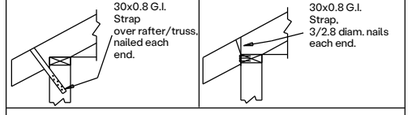


FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB WITH NOMINAL FIXING ONLY (See AS1684.2 TABLE 9.4)

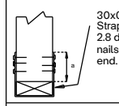
T1 1800mm (5.4kN) T2 2400mm (7.2kN) T3 2700mm (8.1kN)

STUD TO PLATES - STUD TIES

AS1684-2 2021, TABLE 9.21 (d) OR AS1684-2 2021, TABLE 9.21 (c)



AS1684-2 2021, TABLE 9.19 (d)



NOTE : a = 100mm OR LONGER TO PREVENT SPLITTING FOR NUMBER OF NAILS USED.

REFER TO TIE DOWN SHEET FOR DETAILS

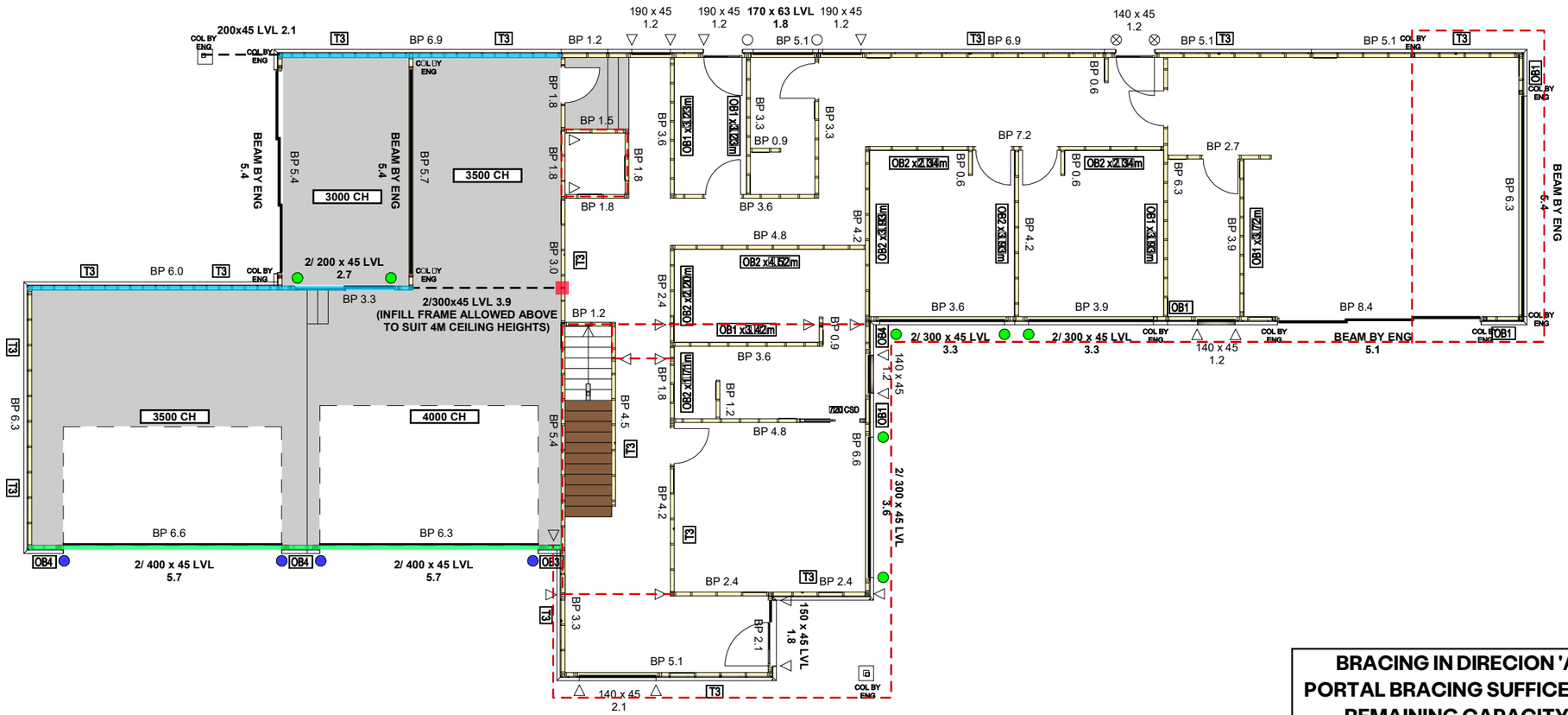
SITE ADDRESS:

CLIENT REF:

BUILDER:

ESTIMATOR:

DATE:	
JOB #:	
WIND:	N3
PAGES:	1 of 5
ROOF:	SHEET 2 DEGREES



- 3/90x45 F27
- 3/90x45 LVL 13 JAMB STUDS
- 2/90x45 LVL 13 JAMB STUDS
- PITCHING BEAMS
- FLOOR BEAMS ABOVE
- 90x35 MGP12 @300 CTRS
- 90x45 MGP12 @300 CTRS

WIND DIRECTION A

WIND DIRECTION B

IMPORTANT NOTE:
LAYOUTS TO BE READ IN CONJUNCTION WITH V2E STRUCTURAL ENGINEERING: QE23-2074.

LOWER WALL FRAME LAYOUT

BRACING IN DIRECION 'A' PORTAL BRACING SUFFICE FOR REMAINING CAPACITY.

SCAN HERE FOR 3D MODEL

WALL FRAME SPECI

ALL MATERIALS ALLOWED AS PER AS1684.2-2021 MGP10 UNLESS NOTED OTHERWISE

FLOOR TO CEILING HEIGHT: 3000 mm

	LOAD BEARING WALLS	NON-LOAD BEARING WALLS
TOP PLATES	35x90 MGP10	35x90 MGP10
STUDS (@600 ctrs) (Wet Areas @ 450 ctrs)	90x35 MGP10	90x35 MGP10
BOTTOM PLATES	35x90 MGP10	35x90 MGP10

ALL TIMBERS AS ABOVE UNLESS NOTED OTHERWISE
OR MINIMUM JOINT STRENGTH OF JD5
(Unidentified imported softwoods, usually JD6, shall not be substituted)
LOAD BEARING WALLS COMPRISE OF ALL EXTERNAL WALLS
PLUS ALL WALLS MARKED 'LBW'

OPENING STUDS/POINT LOAD STUDS AS SHOWN:

- ⨯ 1/90x45 MGP10
- ⊗ 2/90x35 MGP10
- △ 2/90x45 MGP10
- ⬠ 3/90x35 MGP10
- ◯ 3/90x45 MGP10

LINTELS AS SHOWN ON LAYOUT

NOTES: STUDS TO BE SET OUT DIRECTLY UNDER RAFTERS & TRUSSES. STUDS ON LAYOUT ARE INDICATIVE ONLY. 2/90x35 MGP10 SUPPORT STUDS UNDER ALL TGs U.N.O.

IMPORTANT NOTE:
ALL CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 2021 BUILDING CODE OF AUSTRALIA

BRACING SUMMARY

REFER TO BRACING REPORTS FOR FULL BREAKDOWN OF BRACING DETAILS

RESISTANCES:	REQ'D	ACHIEVED
WIND DIRECTION A:	231.4kN	187.1kN
WIND DIRECTION B:	128.4kN	135.8kN

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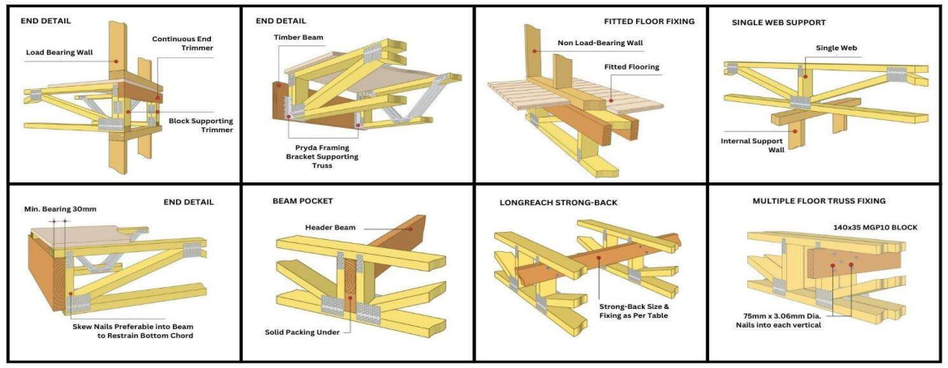


REFER TO TRUSSES AS PER V2E: 23-2074

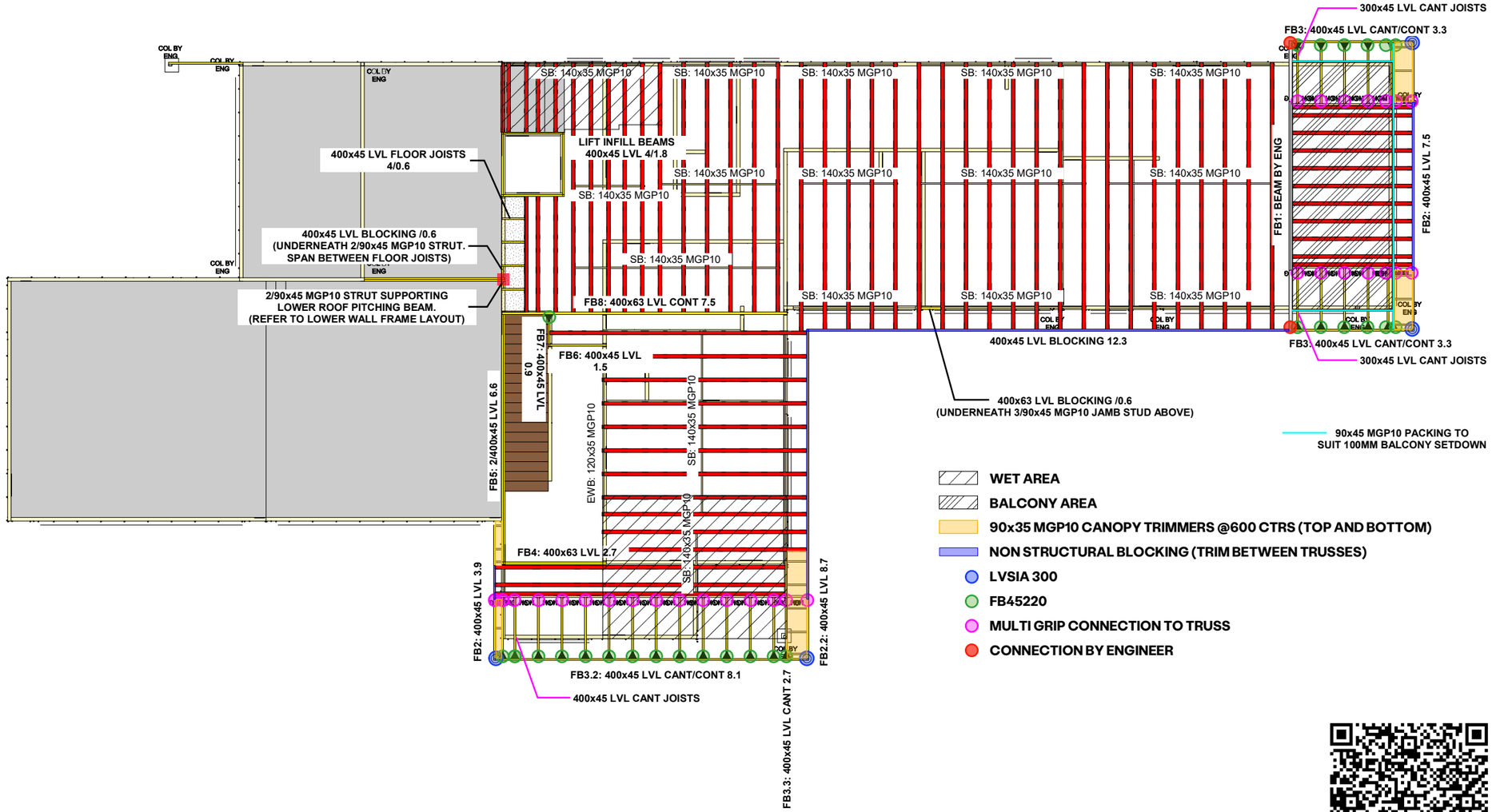
SITE ADDRESS:

CLIENT REF:

BUILDER:

ESTIMATOR:

DATE:	
JOB #:	
WIND:	N3
PAGES:	2 of 5
ROOF:	SHEET 2 DEGREES



FLOOR FRAME SPECI

ALL MATERIALS ALLOWED AS PER AS1684.2-2021
MGP10 UNLESS NOTED OTHERWISE

FLOOR TRUSS HEIGHT: 400 mm

FLOOR TRUSS SPACINGS: 600 CTRS

FLOORING: 22mm PARTICLEBOARD

W/A FLOOR TRUSS HEIGHT: 355 mm

W/A FLOOR TRUSS SPACINGS: 450 CTRS

W/A FLOORING: 19mm SCYON SECURA INTERNAL

STRONGBACKS: 140x35 MGP10 (REFER TRUSS)

END TRIMMERS: 120x35 MGP10 (REFER TRUSS)

ALL NAILPLATES TIMBER TRUSSES MUST BE HANDLED, ERECTED, BRACED & FIXED TO SUPPORTING STRUCTURE IN ACCORDANCE WITH INSTALLATION GUIDELINES FOR TIMBER ROOF TRUSSES & AS4440 - 2004 INSTALLATION OF NAILPLATED TIMBER TRUSSES

UNO - NO ALLOWANCE MADE FOR TRUSSES TO CARRY AIR CON. OR OTHER SERVICES

IMPORTANT NOTE:
ALL CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 2021 BUILDING CODE OF AUSTRALIA

ALL TIMBERS AS ABOVE UNLESS NOTED OTHERWISE
OR MINIMUM JOINT STRENGTH OF JD5
(Unidentified imported softwoods, usually JD6, shall not be substituted)
LOAD BEARING WALLS COMPRISE OF ALL EXTERNAL WALLS
PLUS ALL WALLS MARKED 'LBW'

NOTE: STUDS TO BE SET OUT DIRECTLY UNDER RAFTERS & TRUSSES STUDS ON LAYOUT ARE INDICATIVE ONLY

IMPORTANT NOTE:
LAYOUTS TO BE READ IN CONJUNCTION WITH V2E STRUCTURAL ENGINEERING: QE23-2074.

FLOOR FRAME LAYOUT

SCAN HERE FOR 3D MODEL

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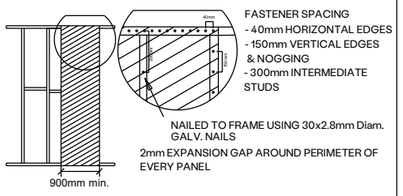
OSBRACE TYPE 3

6.0 kN/m

Osbrace Tables

OSBRACE 6mm (TYPE 3) AS PER MANUFACTURER DETAILS



FASTENER SPACING
- 40mm HORIZONTAL EDGES
- 150mm VERTICAL EDGES & NOGGING
- 300mm INTERMEDIATE STUDS

NAILED TO FRAME USING 30x2.8mm Diam. GALV. NAILS

2mm EXPANSION GAP AROUND PERIMETER OF EVERY PANEL

FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB AS PER AS1684.2 TABLE 8.23 AND TABLE 8.24

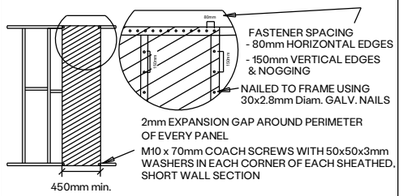
OB1 900mm (5.4kN) OB2 1200mm (7.2kN)

OSBRACE TYPE 4

2.2 kN/m

Osbrace Tables

OSBRACE 6mm (TYPE 4) AS PER MANUFACTURER DETAILS



FASTENER SPACING
- 80mm HORIZONTAL EDGES
- 150mm VERTICAL EDGES & NOGGING

NAILED TO FRAME USING 30x2.8mm Diam. GALV. NAILS

2mm EXPANSION GAP AROUND PERIMETER OF EVERY PANEL

M10 x 70mm COACH SCREWS WITH 50x50x3mm WASHERS IN EACH CORNER OF EACH SHEATHED, SHORT WALL SECTION

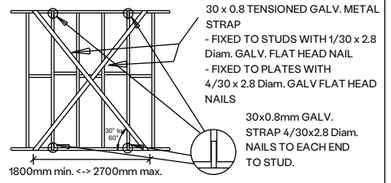
FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB WITH NOMINAL FIXING ONLY (See AS1684.2 TABLE 9.4)

OB3 450mm (0.99kN) OB4 600mm (1.32kN)

DOUBLE METAL CROSS BRACE with STUD TIES

AS1684-2, TABLE 8.18 (d)

3.0 kN/m



30 x 0.8 TENSIONED GALV. METAL STRAP
- FIXED TO STUDS WITH 1/30 x 2.8 Diam. GALV. FLAT HEAD NAIL
- FIXED TO PLATES WITH 4/30 x 2.8 Diam. GALV FLAT HEAD NAILS

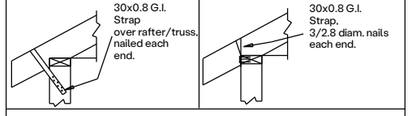
30x0.8mm GALV. STRAP 4/30x2.8 Diam. NAILS TO EACH END TO STUD.

FIX BOTTOM PLATE TO FLOOR FRAME OR SLAB WITH NOMINAL FIXING ONLY (See AS1684.2 TABLE 9.4)

T1 1800mm (5.4kN) T2 2400mm (7.2kN) T3 2700mm (8.1kN)

STUD TO PLATES - STUD TIES

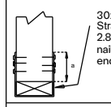
AS1684-2 2021, TABLE 9.21 (d) OR AS1684-2 2021, TABLE 9.21 (c)



30x0.8 G.I. Strap over rafter/truss, nailed each end.

30x0.8 G.I. Strap, 3/2.8 diam. nails each end.

AS1684-2 2021, TABLE 9.19 (d)



30x0.8 G.I. Strap, 2.8 diam. nails each end.

NOTE : a = 100mm OR LONGER TO PREVENT SPLITTING FOR NUMBER OF NAILS USED.

REFER TO TIE DOWN SHEET FOR DETAILS

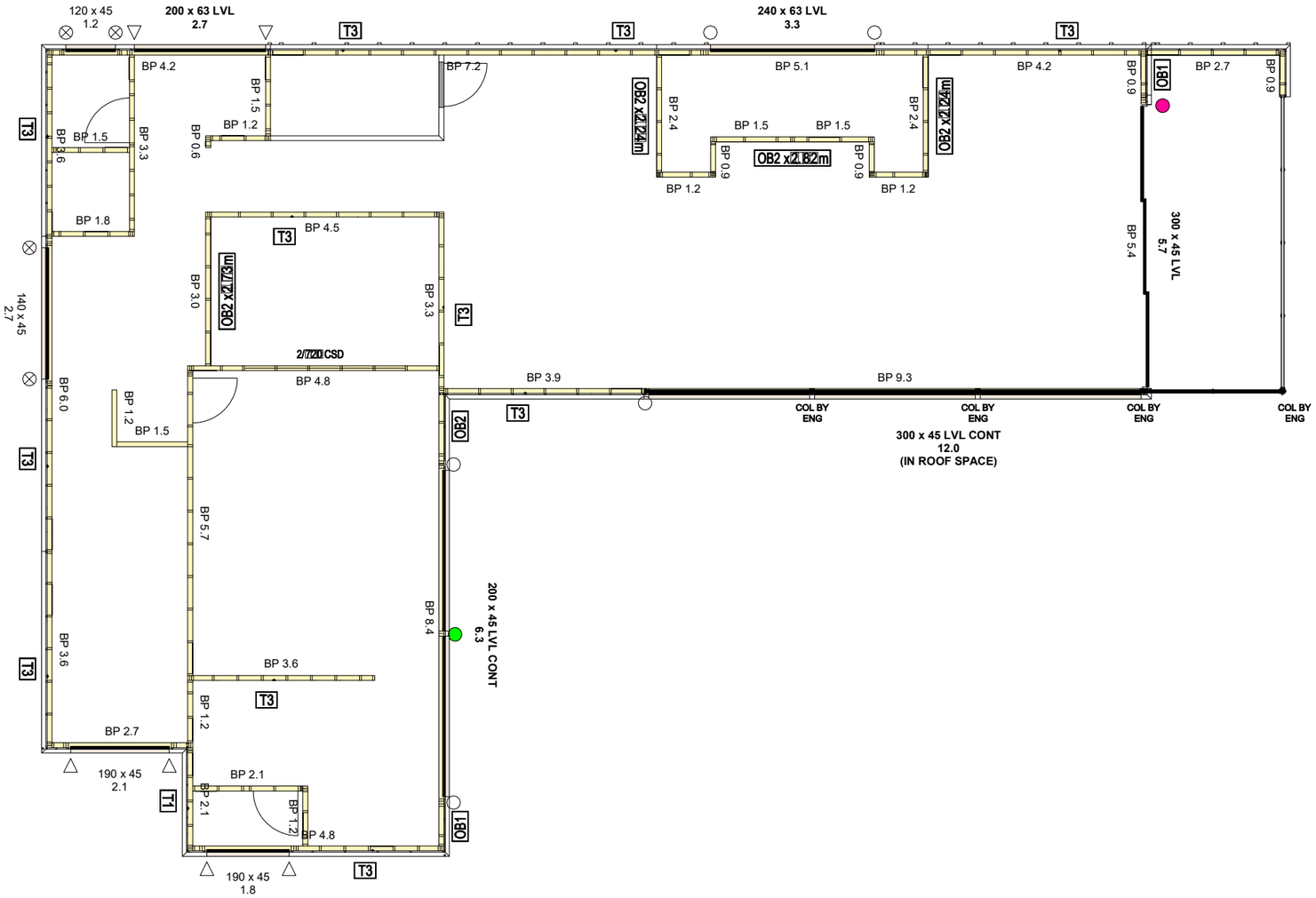
SITE ADDRESS:

CLIENT REF:

BUILDER:

ESTIMATOR:

DATE:	
JOB #:	
WIND:	N3
PAGES:	3 of 5
ROOF:	SHEET 2 DEGREES



3/90x45 LVL 13 JAMB STUDS

2/90x45 LVL 13 JAMB STUDS

WIND DIRECTION A

WIND DIRECTION B

IMPORTANT NOTE:
LAYOUTS TO BE READ IN CONJUNCTION WITH V2E STRUCTURAL ENGINEERING: QE23-2074.

UPPER WALL FRAME LAYOUT

SCAN HERE FOR 3D MODEL

WALL FRAME SPECI

ALL MATERIALS ALLOWED AS PER AS1684.2-2021 MGP10 UNLESS NOTED OTHERWISE

FLOOR TO CEILING HEIGHT: 3000 mm

	LOAD BEARING WALLS	NON-LOAD BEARING WALLS
TOP PLATES	35x90 MGP10	35x90 MGP10
STUDS (@600 ctrs) (Wet Areas @ 450 ctrs)	90x35 MGP10	90x35 MGP10
BOTTOM PLATES	35x90 MGP10	35x90 MGP10

ALL TIMBERS AS ABOVE UNLESS NOTED OTHERWISE
OR MINIMUM JOINT STRENGTH OF JD5
(Unidentified imported softwoods, usually JD6, shall not be substituted)
LOAD BEARING WALLS COMPRISE OF ALL EXTERNAL WALLS
PLUS ALL WALLS MARKED 'LBW'

OPENING STUDS/POINT LOAD STUDS AS SHOWN:

- ⨯ 1/90x45 MGP10
- ⊗ 2/90x35 MGP10
- △ 2/90x45 MGP10
- ⬠ 3/90x35 MGP10
- ○ 3/90x45 MGP10

LINTELS AS SHOWN ON LAYOUT

NOTES: STUDS TO BE SET OUT DIRECTLY UNDER RAFTERS & TRUSSES. STUDS ON LAYOUT ARE INDICATIVE ONLY. 2/90x35 MGP10 SUPPORT STUDS UNDER ALL TGs U.N.O.

IMPORTANT NOTE:
ALL CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 2021 BUILDING CODE OF AUSTRALIA

BRACING SUMMARY

REFER TO BRACING REPORTS FOR FULL BREAKDOWN OF BRACING DETAILS

RESISTANCES:	REQ'D	ACHIEVED
WIND DIRECTION A:	67.5kN	69.6kN
WIND DIRECTION B:	41.5kN	48.1kN

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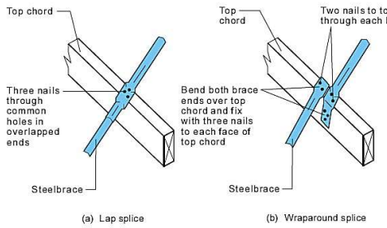


FIGURE 4.20 TYPICAL SPLICE DETAILS

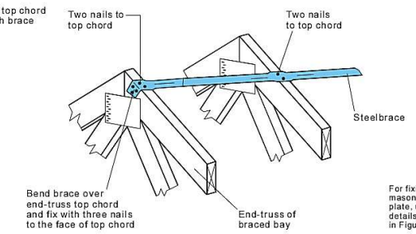


FIGURE 4.21 END FIXING DETAILS AT APEX

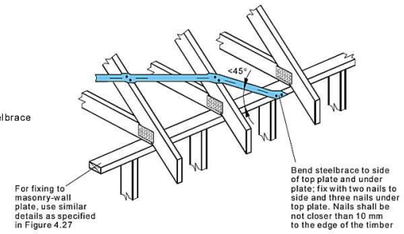


FIGURE 4.22 END FIXING DETAILS AT HEEL—TO TOP PLATE

DETAILS REFER TO AS4440-2004

REFER TO TRUSSES AS PER V2E: 23-2074

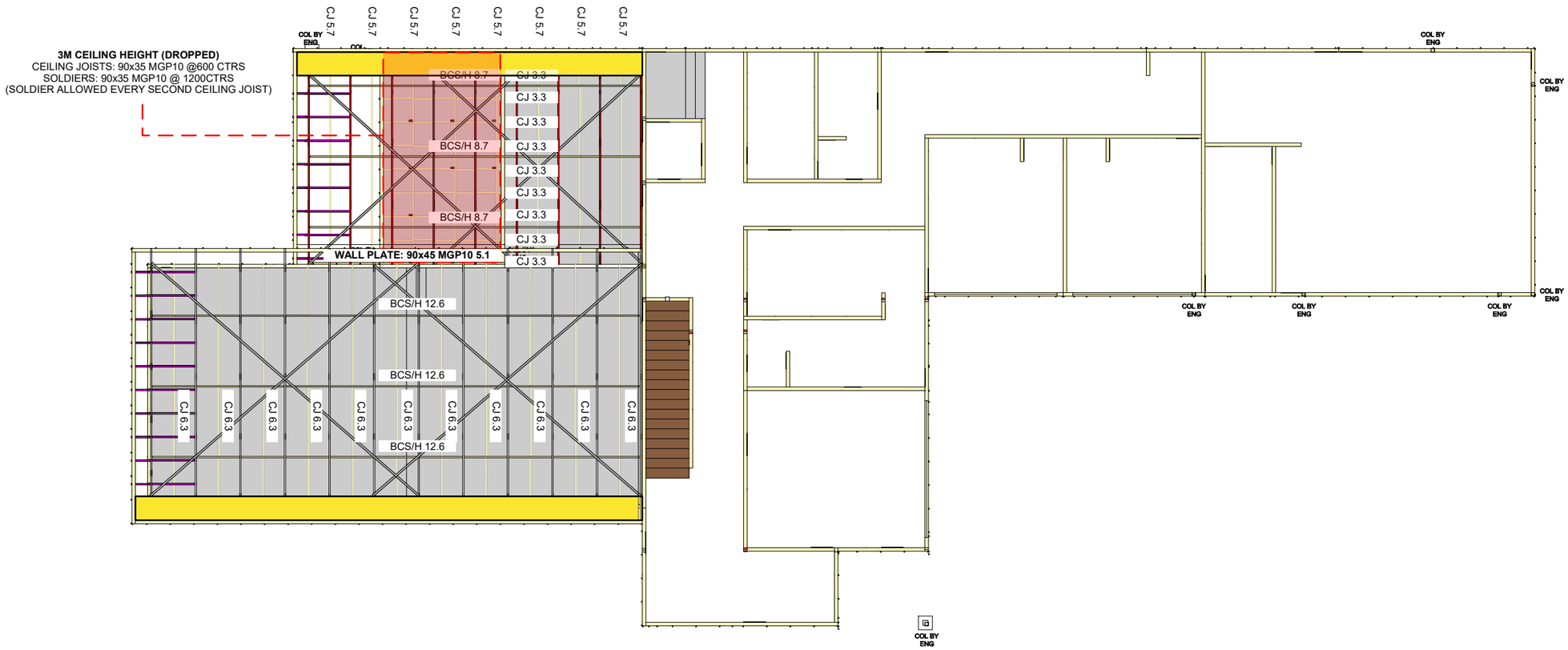
SITE ADDRESS:

CLIENT REF:

BUILDER:

ESTIMATOR:

DATE:	
JOB #:	
WIND:	N3
PAGES:	4 of 5
ROOF:	SHEET 2 DEGREES



600MM BOX GUTTER

SOLAR ALLOWANCE ACROSS ENTIRE RESIDENCE

IMPORTANT NOTE:
LAYOUTS TO BE READ IN CONJUNCTION WITH V2E STRUCTURAL ENGINEERING: QE23-2074.

LOWER ROOF FRAME LAYOUT

SCAN HERE FOR 3D MODEL

ROOF FRAME SPECI

ALL MATERIALS ALLOWED AS PER AS1684.2-2021
MGP10 UNLESS NOTED OTHERWISE

TRUSS SPACINGS: 1200 CTRS

CEILING JOISTS: 90x35 @ INTERMEDIATE

B/CHORD BRACE/HANGERS: 90x35 @ 1800 CTRS
REFER TO TRUSS CALCS

TRIM OUT HIP ENDS: 90x35 @ 600 CTRS

PURLINS: 90x45 @ 900 CTRS

BRACING AS SHOWN (SPEED BRACE)

ALL NAILPLATES TIMBER TRUSSES MUST BE HANDLED, ERECTED, BRACED & FIXED TO SUPPORTING STRUCTURE IN ACCORDANCE WITH INSTALLATION GUIDELINES FOR TIMBER ROOF TRUSSES & AS4440 - 2004 INSTALLATION OF NAILPLATED TIMBER TRUSSES

UNO - NO ALLOWANCE MADE FOR TRUSSES TO CARRY AIR CON. OR OTHER SERVICES

IMPORTANT NOTE:
ALL CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 2021 BUILDING CODE OF AUSTRALIA

ALL TIMBERS AS ABOVE UNLESS NOTED OTHERWISE
OR MINIMUM JOINT STRENGTH OF JD5
(Unidentified imported softwoods, usually JD6, shall not be substituted)
LOAD BEARING WALLS COMPRISE OF ALL EXTERNAL WALLS
PLUS ALL WALLS MARKED 'LBW'

NOTE: STUDS TO BE SET OUT DIRECTLY UNDER RAFTERS & TRUSSES STUDS ON LAYOUT ARE INDICATIVE ONLY

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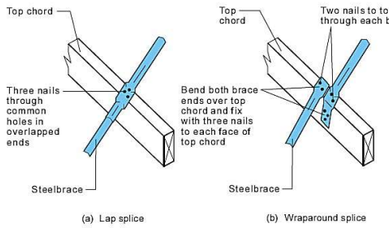


FIGURE 4.20 TYPICAL SPLICE DETAILS

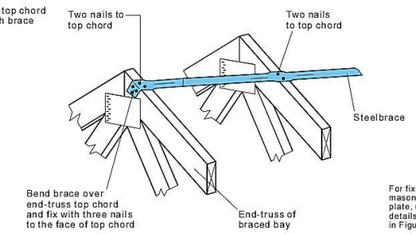


FIGURE 4.21 END FIXING DETAILS AT APEX

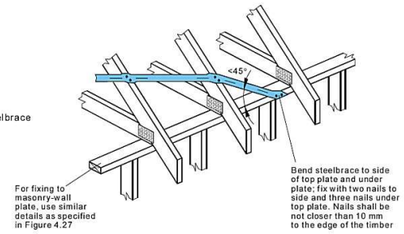


FIGURE 4.22 END FIXING DETAILS AT HEEL—TO TOP PLATE

DETAILS REFER TO AS4440-2004

REFER TO TRUSSES AS PER V2E: 23-2074

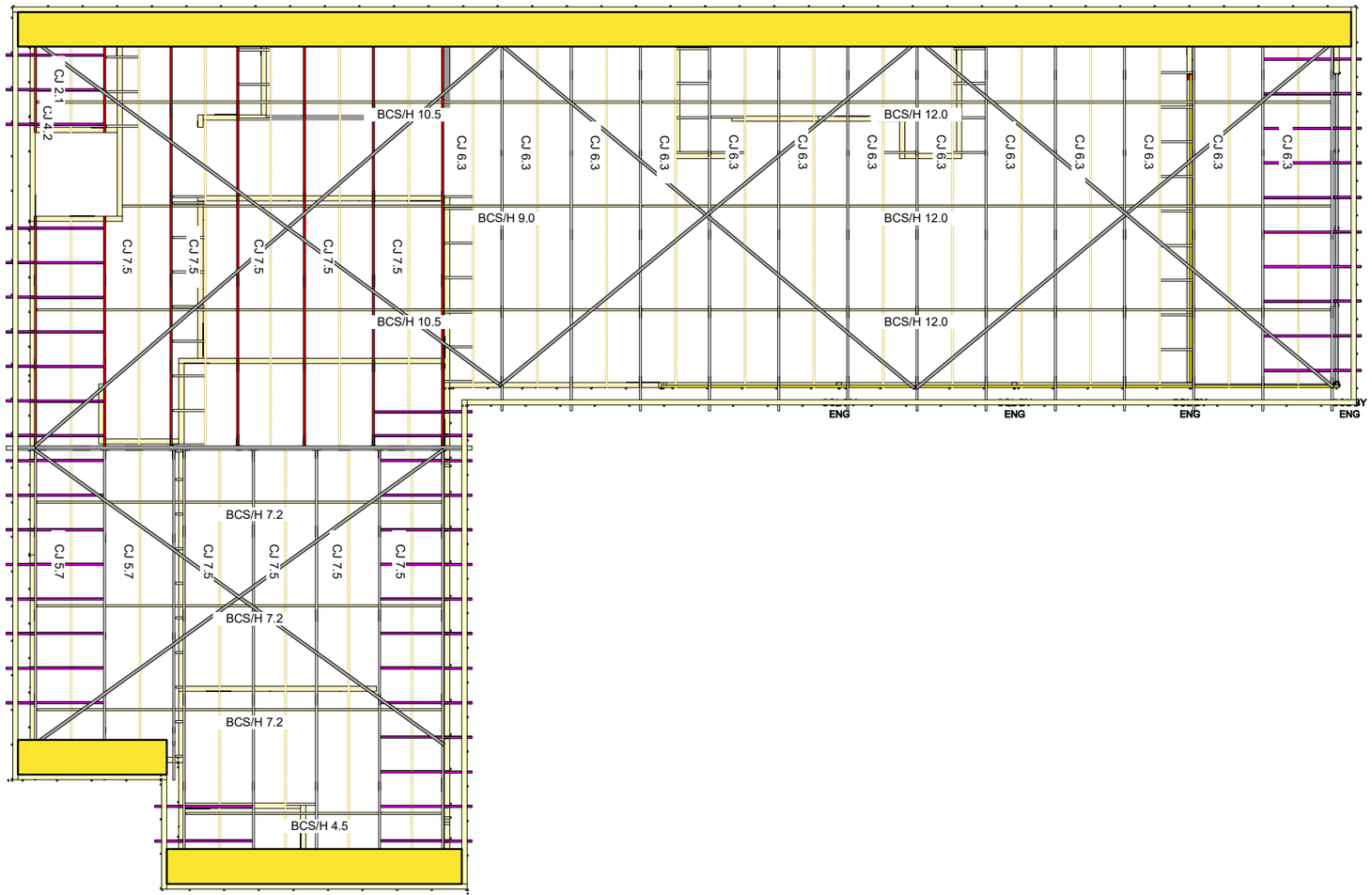
SITE ADDRESS:

CLIENT REF:

BUILDER:

ESTIMATOR:

DATE:	
JOB #:	
WIND:	N3
PAGES:	5 of 5
ROOF:	SHEET 2 DEGREES



600MM BOX GUTTER

SOLAR ALLOWANCE ACROSS ENTIRE RESIDENCE

IMPORTANT NOTE:
LAYOUTS TO BE READ IN CONJUNCTION WITH V2E STRUCTURAL ENGINEERING: QE23-2074.

UPPER ROOF FRAME LAYOUT

SCAN HERE FOR 3D MODEL

ROOF FRAME SPECI

ALL MATERIALS ALLOWED AS PER AS1684.2-2021
MGP10 UNLESS NOTED OTHERWISE

TRUSS SPACINGS: 1200 CTRS

CEILING JOISTS: 90x35 @ INTERMEDIATE

B/CHORD BRACE/HANGERS: 90x35 @ 1800 CTRS
REFER TO TRUSS CALCS

TRIM OUT HIP ENDS: 90x35 @ 600 CTRS

PURLINS: 90x45 @ 900 CTRS

BRACING AS SHOWN (SPEED BRACE)

ALL NAILPLATES TIMBER TRUSSES MUST BE HANDLED, ERECTED, BRACED & FIXED TO SUPPORTING STRUCTURE IN ACCORDANCE WITH INSTALLATION GUIDELINES FOR TIMBER ROOF TRUSSES & AS4440 - 2004 INSTALLATION OF NAILPLATED TIMBER TRUSSES

UNO - NO ALLOWANCE MADE FOR TRUSSES TO CARRY AIR CON. OR OTHER SERVICES

IMPORTANT NOTE:
ALL CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 2021 BUILDING CODE OF AUSTRALIA

ALL TIMBERS AS ABOVE UNLESS NOTED OTHERWISE
OR MINIMUM JOINT STRENGTH OF JD5
(Unidentified imported softwoods, usually JD6, shall not be substituted)
LOAD BEARING WALLS COMPRISE OF ALL EXTERNAL WALLS
PLUS ALL WALLS MARKED 'LBW'

NOTE: STUDS TO BE SET OUT DIRECTLY UNDER RAFTERS & TRUSSES STUDS ON LAYOUT ARE INDICATIVE ONLY

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