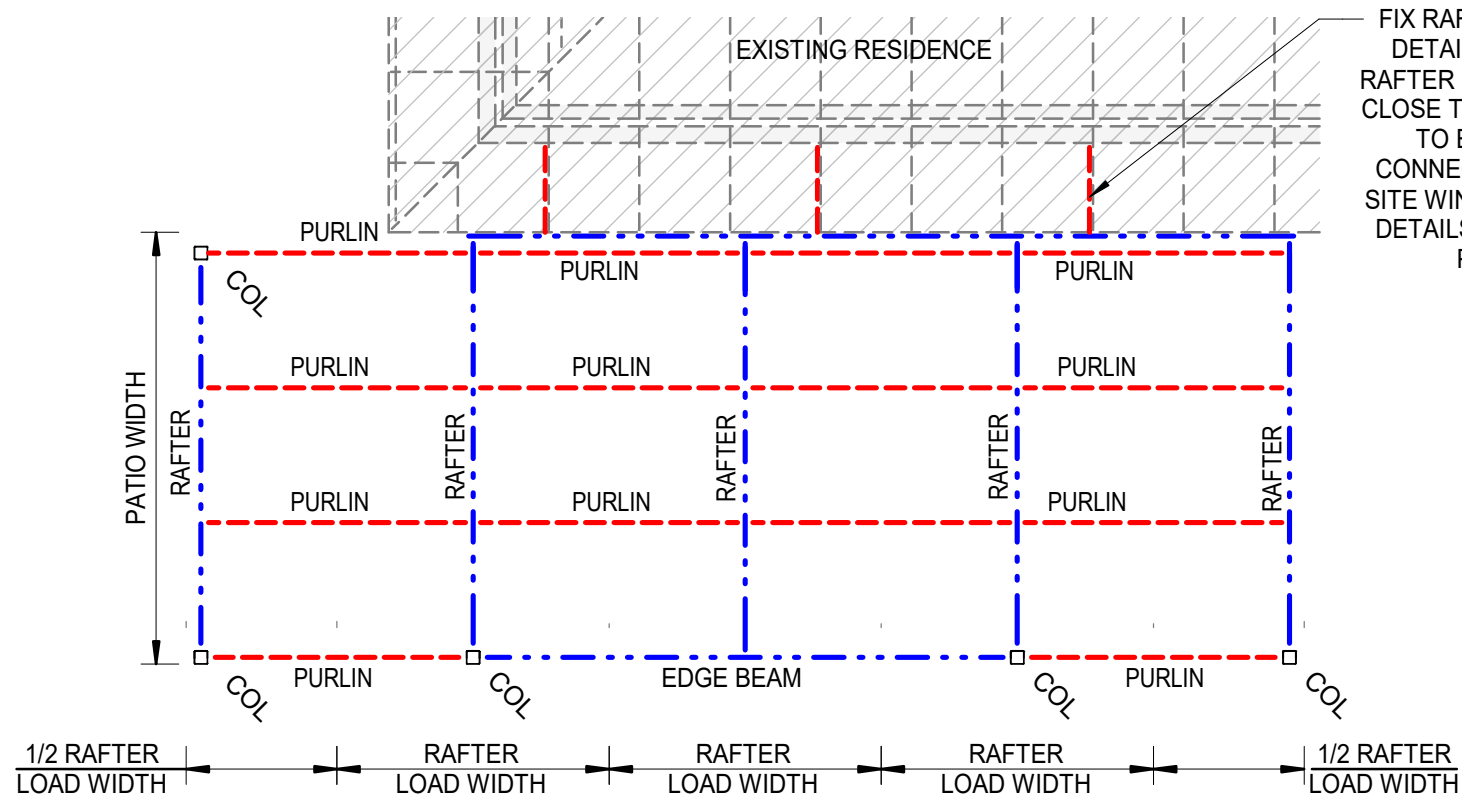


GENERAL NOTES

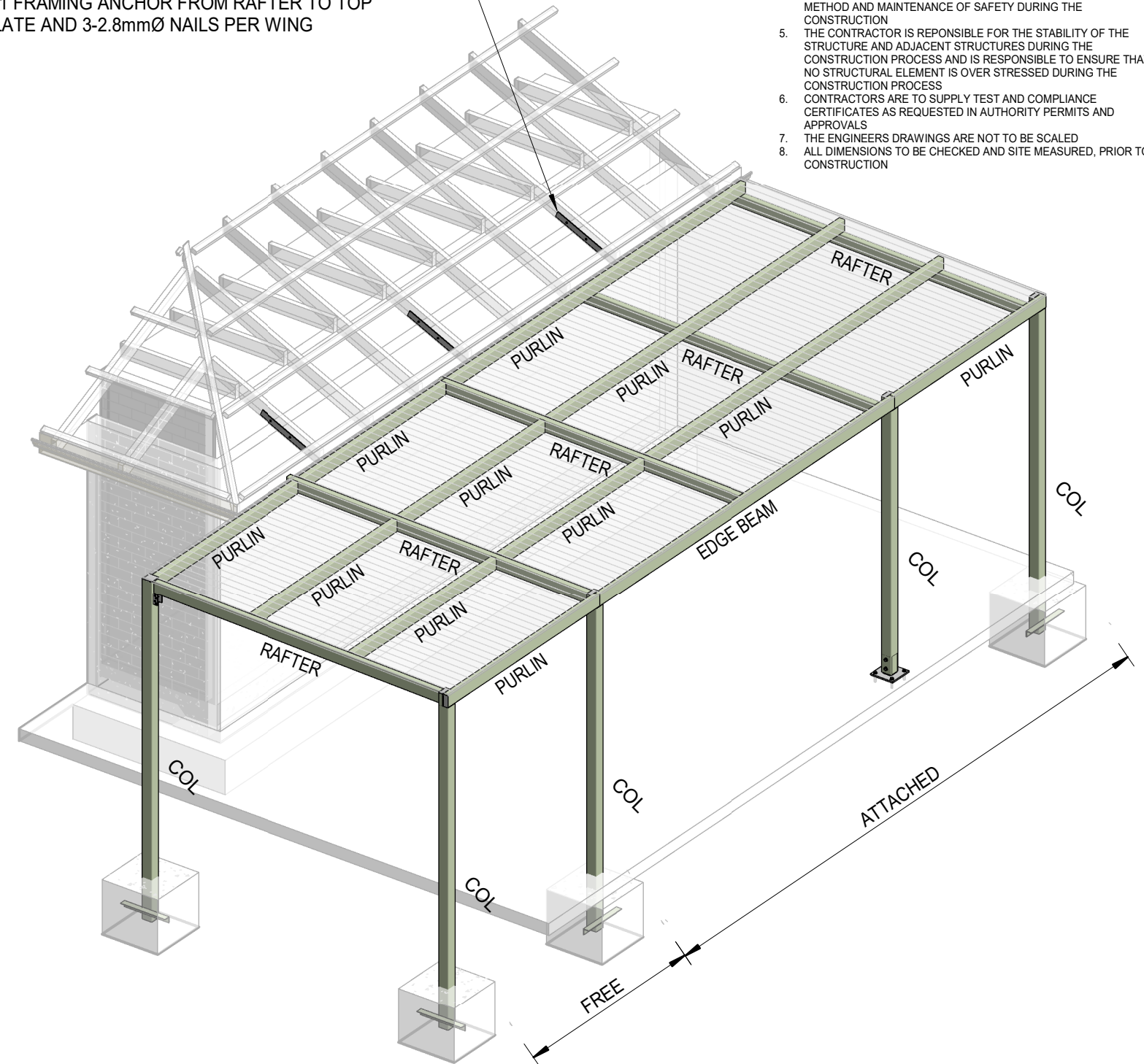
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS, ANY DISCREPANCIES BETWEEN ENGINEERING DRAWINGS AND ARCHITECTURAL DRAWINGS SHALL BE CONFIRMED PRIOR TO COMMENCING CONSTRUCTION
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITIONS, INCLUDING AMENDMENTS, OF THE BUILDING CODE OF AUSTRALIA (NCC), AUSTRALIAN STANDARDS, JOB SPECIFICATIONS AND CODES OF PRACTICE
3. ALL DIMENSIONS ARE IN MILLIMETERS AND. ALL LEVELS AND GRID CO-ORDINATES ARE IN METRES
4. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION METHOD AND MAINTENANCE OF SAFETY DURING THE CONSTRUCTION
5. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE AND ADJACENT STRUCTURES DURING THE CONSTRUCTION PROCESS AND IS RESPONSIBLE TO ENSURE THAT NO STRUCTURAL ELEMENT IS OVER STRESSED DURING THE CONSTRUCTION PROCESS
6. CONTRACTORS ARE TO SUPPLY TEST AND COMPLIANCE CERTIFICATES AS REQUESTED IN AUTHORITY PERMITS AND APPROVALS
7. THE ENGINEERS DRAWINGS ARE NOT TO BE SCALED
8. ALL DIMENSIONS TO BE CHECKED AND SITE MEASURED, PRIOR TO CONSTRUCTION

FIX RAFTER BRACKET TO EXISTING RAFTER AS PER DETAILS. LOCATE AT EVERY SECOND RESIDENCE RAFTER (1800 c/c MAX.) LOCATE RAFTER BRACKETS AS CLOSE TO PATIO RAFTER AS POSSIBLE. HOME OWNER TO ENSURE EXISTING RAFTER TO TOP PLATE CONNECTION IS IN ACCORDANCE WITH AS 1684 AND SITE WIND SPECIFICATION, TYPICAL STRENGTHENING DETAILS 1 FRAMING ANCHOR FROM RAFTER TO TOP PLATE AND 3-2.8mmØ NAILS PER WING



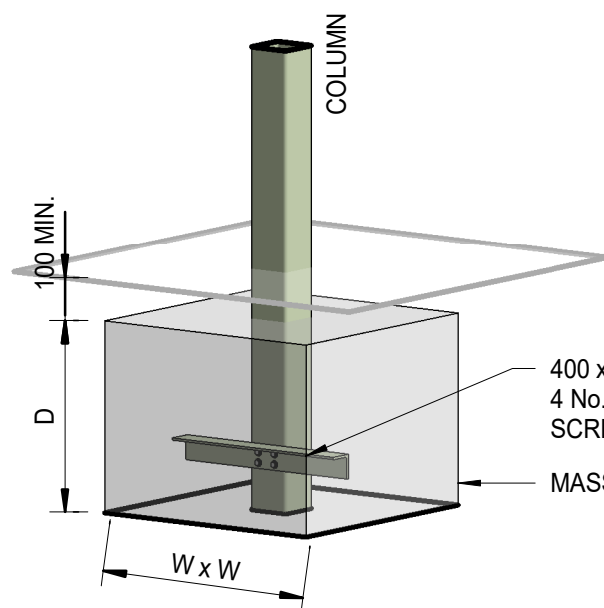
TYPICAL ROOF PLAN - FLAT ROOF

1 : 50



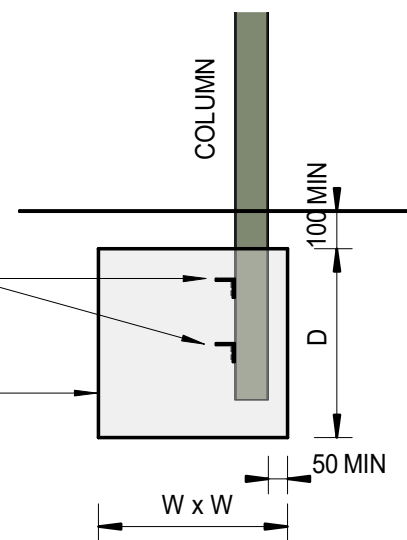
FLAT ROOF PERSPECTIVE

N.T.S.



FOOTING DETAIL

N.T.S.



OFFSET FOOTING DETAIL

1 : 20

CLIENT	PROJECT	A	13/12/23	CONST
	TYPICAL FLAT PATIO N1-N4, S2001-S2004	REV	DATE	DESCRIPTION
	DRAWING TITLE FLAT PATIO 3D DIAGRAM	SCALE AT A3	DRAWING S2001	
		-	DRAWN PSE	PROJECT NO. P2001

N1 PURLIN MAXIMUM SPAN TABLE - NO POINT LOAD						
MAX PURLIN SPACING	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	100 x 50 x 1.6 RHS	100 x 50 x 2.0 RHS	150 x 50 x 2.0 RHS
1200	5200	5700	6000	6700	7000	9800
1800	4300	4700	5100	5500	5800	8200
2400	3700	4100	4400	4700	5100	7200
3000	3400	3600	4100	4500	4800	6700

N2 PURLIN MAXIMUM SPAN TABLE - NO POINT LOAD						
MAX PURLIN SPACING	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	100 x 50 x 1.6 RHS	100 x 50 x 2.0 RHS	150 x 50 x 2.0 RHS
1200	4400	4800	5300	5700	6250	8500
1800	3550	3900	4400	4700	5200	7100
2400	3100	3400	4000	4250	4800	6200
3000	2800	3100	3700	3750	4500	6100

N3 PURLIN MAXIMUM SPAN TABLE - NO POINT LOAD						
MAX PURLIN SPACING	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	100 x 50 x 1.6 RHS	100 x 50 x 2.0 RHS	150 x 50 x 2.0 RHS
1200	3550	3950	4750	4850	5700	7200
1800	2900	3200	3850	4000	4800	6000
2400	2500	2750	3350	3400	4100	5300
3000	2200	2400	2950	3050	3650	4800

N4 PURLIN MAXIMUM SPAN TABLE - NO POINT LOAD						
MAX PURLIN SPACING	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	100 x 50 x 1.6 RHS	100 x 50 x 2.0 RHS	150 x 50 x 2.0 RHS
1200	2850	3100	3800	3900	4750	6250
1800	2300	2550	3100	3200	3850	5100
2400	2000	2200	2700	2750	3350	4400
3000	1800	1950	2400	2450	3000	3950

- PURLIN NOTES:
- DEAD LOAD DEFLECTION LIMITED TO L/250
 - NO LIVE LOAD CONSIDERED
 - PURLIN SPAN TABLES FOR SINGLE SPANNING MEMBER
 - PURLIN SPACING TO BE HALVED TO GET FASCIA PURLIN SPACING
 - BEAMS SPANNING MORE THAN 6000MM TO BE PRECAMBERED TO REMOVE DEAD LOAD DEFLECTION
 - STEEL GRADES
 - PATIO TUBE - GR 350
 - RHS - GR 450
 - FOR INSULATED ROOF PANELS, DECREASE SPANS BY 20%
 - SPAN TABLES APPLICABLE BETWEEN 0 -10 DEGREES PITCHES

N1 EDGE BEAM MAXIMUM SPAN TABLE - NO POINT LOAD							
PATIO WIDTH	76 x 38 x 3.0 PATIO TUBE	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	100 x 50 x 3.0 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
4000	4400	5700	6400	6700	8400	9300	9700
5000	4100	5100	5500	6200	6900	8500	9500
6000	-	4800	5200	5900	6500	8200	8500
7000	-	4400	5100	5500	6100	7600	8100
8000	-	4200	4900	5100	5700	7400	7900

N2 EDGE BEAM MAXIMUM SPAN TABLE - NO POINT LOAD							
PATIO WIDTH	76 x 38 x 3.0 PATIO TUBE	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	100 x 50 x 3.0 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
4000	3750	5500	6000	6500	7700	9100	9500
5000	2700	4600	5200	5600	7200	8500	9000
6000	-	4000	4500	5200	6300	7800	8600
7000	-	3600	4300	4800	5400	6800	7800
8000	-	-	-	-	4900	6000	6600

N3 EDGE BEAM MAXIMUM SPAN TABLE - NO POINT LOAD							
PATIO WIDTH	76 x 38 x 3.0 PATIO TUBE	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	100 x 50 x 3.0 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
4000	3000	3900	4200	4600	5100	6300	6500
5000	2800	3500	3900	4200	4700	5800	6300
6000	-	-	3700	3900	4400	5500	6000
7000	-	-	3500	3700	4200	5100	5700
8000	-	-	-	-	4000	4800	5400

N4 EDGE BEAM MAXIMUM SPAN TABLE - NO POINT LOAD							
PATIO WIDTH	76 x 38 x 3.0 PATIO TUBE	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	100 x 50 x 3.0 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
4000	-	3100	3500	3800	4100	5100	5500
5000	-	2850	3100	3400	3700	4700	5100
6000	-	-	2900	3100	3400	4350	4700
7000	-	-	-	2950	3200	4100	4500
7500	-	-	-	-	3100	4000	4400

- EDGE BEAM NOTES:
- DEAD LOAD DEFLECTION LIMITED TO L/200
 - NO LIVE LOAD CONSIDERED
 - EAVES BEAM SPAN TABLES FOR SINGLE SPANNING MEMBER
 - BEAMS SPANNING MORE THAN 6000MM TO BE PRECAMBERED TO REMOVE DEAD LOAD DEFLECTION
 - STEEL GRADES
 - PATIO TUBE - GR 350
 - RHS - GR 450
 - FOR INSULATED ROOF PANELS, DECREASE SPANS BY 20%
 - MAXIMUM CANTILEVER OF EAVES BEAM FROM COLUMN TO BE 15% OF BACK SPAN, MAXIMUM 1200mm
 - SPAN TABLES APPLICABLE BETWEEN 0 -10 DEGREES PITCHES

N1 RAFTER MAXIMUM SPAN TABLE - NO POINT LOAD									
MAX RAFTER LOAD WIDTH	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	75 x 50 x 2.5 RHS	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
1500	4800	5200	5700	6100	7200	7500	9400	10000	10600
2000	4300	4500	5300	5700	6500	7000	8500	9200	9800
2500	3900	4150	4900	5400	5900	6500	7700	8800	9200
3000	3700	3900	4400	5000	5500	6000	7300	8400	8800
3500	3450	3750	4100	4600	5100	5600	7000	7900	8600
4000	3200	3550	3800	4300	4800	5300	6650	7500	8200
4500	3000	3400	3600	4000	4500	5000	6400	7200	7900

N2 RAFTER MAXIMUM SPAN TABLE - NO POINT LOAD									
MAX RAFTER LOAD WIDTH	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	75 x 50 x 2.5 RHS	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
1500	4600	4900	5150	5800	6500	6900	9000	10000	10600
2000	4200	4500	4700	5100	5900	6300	8300	9200	9800
2500	3800	4150	4400	4650	5550	5900	7750	8600	9200
3000	3400	3800	4150	4400	5200	5600	7300	8200	8700
3500	-	3550	3950	4200	4950	5300	6900	7800	8300
4000	-	3300	3800	4000	4750	5100	6500	7500	8000
4500	-	3100	3600	3850	4600	4900	6150	7200	7700

N3 RAFTER MAXIMUM SPAN TABLE - NO POINT LOAD									
MAX RAFTER LOAD WIDTH	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	75 x 50 x 2.5 RHS	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
1500	3550	3500	4200	4600	5200	5700	6500	8000	8800
2000	2650	3000	3600	4000	4500	5000	5800	7000	7800
2500	-	2700	3200	3600	4000	4500	5300	6400	7100
3000	-	2400	2900	3300	3700	4200	4800	6000	6700
3500	-	2200	2700	3000	3400	3800	4600	5400	6300
4000	-	-	-	2850	3200	3500	4300	5000	5900
4500	-	-	-	2700	3000	3300	4000	4600	5500

N4 RAFTER MAXIMUM SPAN TABLE - NO POINT LOAD									
MAX RAFTER LOAD WIDTH	76 x 38 x 1.6 PATIO TUBE	76 x 38 x 2.0 PATIO TUBE	75 x 50 x 2.0 RHS	75 x 50 x 2.5 RHS	100 x 50 x 2.0 RHS	100 x 50 x 2.5 RHS	150 x 50 x 2.0 RHS	150 x 50 x 3.0 RHS	150 x 50 x 4.0 RHS
1500	2550	2800	3400	3800	4250	4750	5350	6700	7500
2000	2200	2450	2950	3250	3650	4100	4800	5800	6500
2500	-	2150	2650	2900	3250	3650	4300	5250	5800
3000	-	-	2400	2650	3000	3350	3900	4800	5300
3500	-	-	2200	2450	2750	3100	3650	4650	4950
4000	-	-	-	2300	2550	2900	3400	4350	4700
4500	-	-	-	-	2400	2700	3200	4100	4600

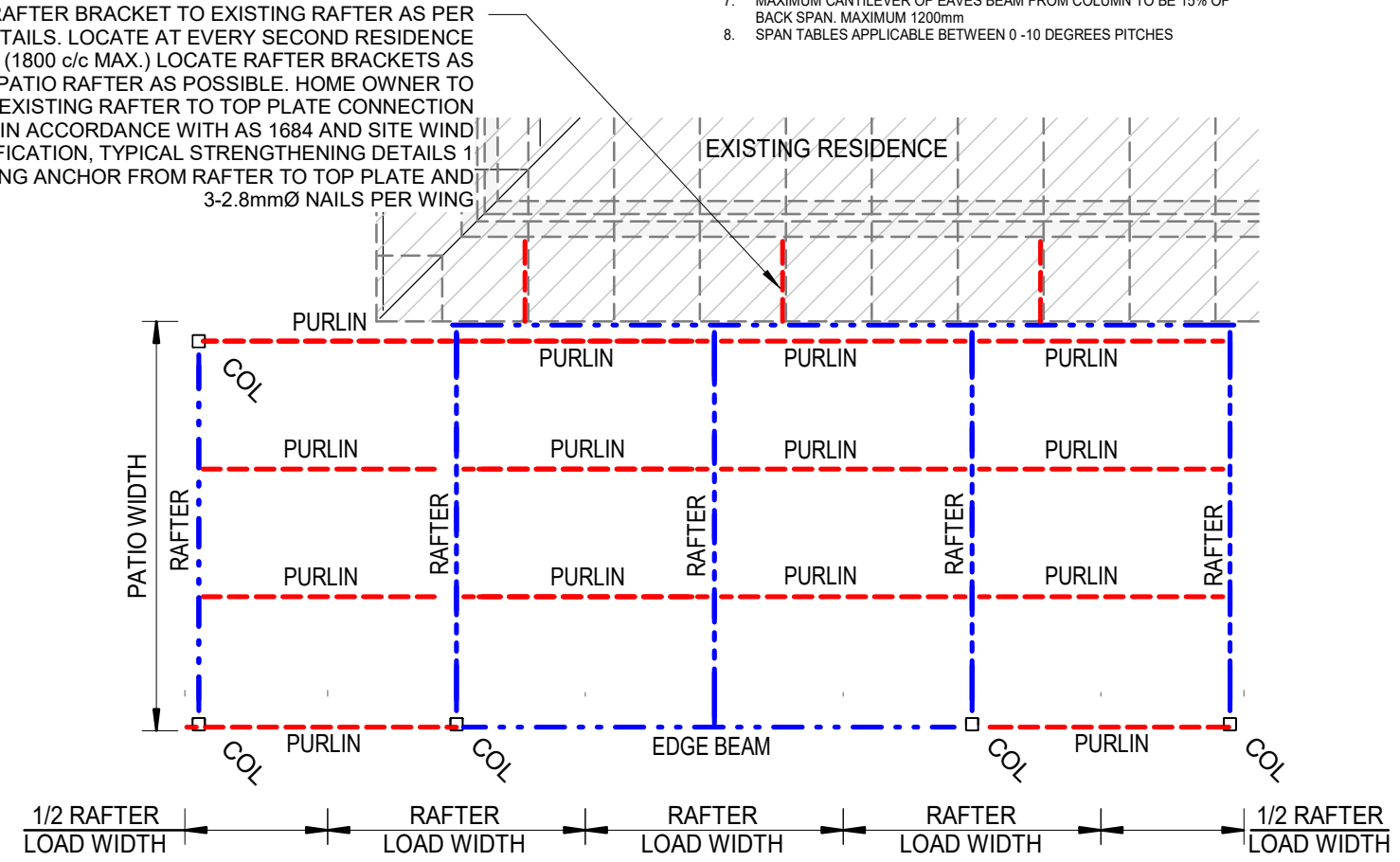
- RAFTER NOTES:
- DEAD LOAD DEFLECTION LIMITED TO L/200
 - NO LIVE LOAD CONSIDERED
 - RAFTER SPAN TABLES FOR SINGLE SPANNING MEMBER
 - BEAMS SPANNING MORE THAN 6000MM TO BE PRECAMBERED TO REMOVE DEAD LOAD DEFLECTION
 - STEEL GRADES
 - PATIO TUBE GRADE - GR 350
 - RHS GRADE - GR 450
 - SPAN TABLES APPLICABLE BETWEEN 0 -10 DEGREES PITCHES

MINIMUM COLUMN SIZES		
COLUMN SIZE	MAXIMUM HEIGHT (mm)	
	ATTACHED	FREESTANDING
76 x 38 x 1.6 RHS	3600	2200
90 x 90 x 2.0 SHS	4000	3000
100 x 100 x 3.0 SHS	4400	3500
100 x 100 x 4.0 SHS	5000	4000

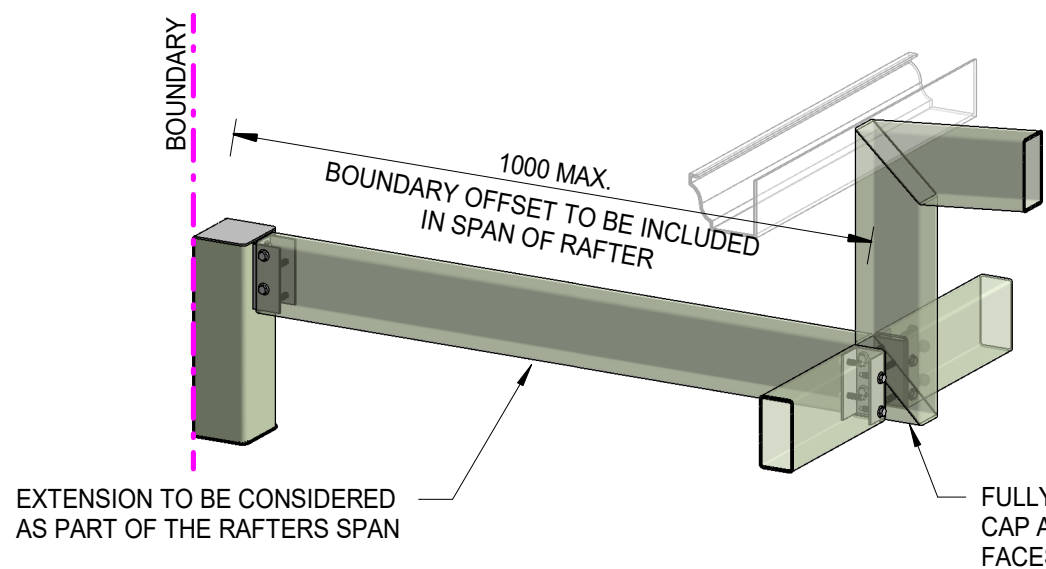
FOOTING DETAILS FOR ATTACHED AND FREESTANDING PATIOS				
WIND CLASS	N1	N2	N3	N4
ROOF AREA	FOOTING SIZE (W x W x D)	FOOTING SIZE (W x W x D)	FOOTING SIZE (W x W x D)	FOOTING SIZE (W x W x D)
0 - 8m²	0.50 x 0.50 x 0.50	0.60 x 0.60 x 0.65	0.70 x 0.70 x 0.75	0.80 x 0.80 x 0.85
8 - 12m²	0.60 x 0.60 x 0.60	0.70 x 0.70 x 0.75	0.80 x 0.80 x 0.85	0.90 x 0.90 x 0.95
12 - 16m²	0.70 x 0.70 x 0.70	0.80 x 0.80 x 0.85	0.90 x 0.90 x 0.95	1.00 x 1.00 x 1.05

FOOTINGS COMPATIBLE WITH CLASS A, S, M AND H SITES

FIX RAFTER BRACKET TO EXISTING RAFTER AS PER DETAILS. LOCATE AT EVERY SECOND RESIDENCE RAFTER (1800 c/c MAX.) LOCATE RAFTER BRACKETS AS CLOSE TO PATIO RAFTER AS POSSIBLE. HOME OWNER TO ENSURE EXISTING RAFTER TO TOP PLATE CONNECTION IS IN ACCORDANCE WITH AS 1684 AND SITE WIND SPECIFICATION, TYPICAL STRENGTHENING DETAILS 11 FRAMING ANCHOR FROM RAFTER TO TOP PLATE AND 3-2.8mmØ NAILS PER WING

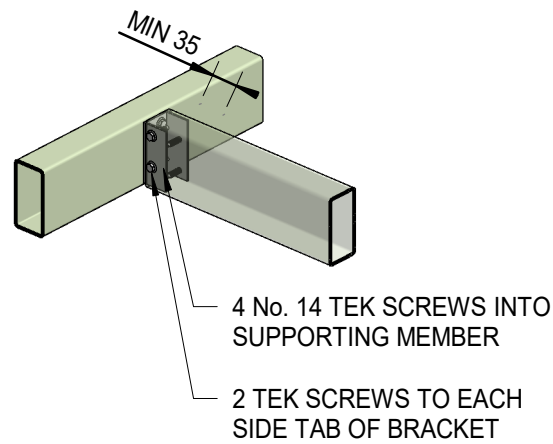


CLIENT	PROJECT	A 13/12/23	CONST
	TYPICAL FLAT PATIO N1-N4, S2001-S2004	REV	DATE
	DRAWING TITLE	-	DESCRIPTION
	TYPICAL PLAN AND SPAN TABLES	SCALE AT A3	DRAWING S2002
		DRAWN PSE	PROJECT NO. P2001



TYPICAL EAVES EXTENSION DETAIL

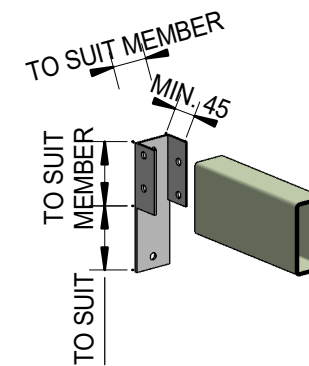
N.T.S.



- BRACKET DIMENSIONS TO SUIT MEMBERS
- 1.6mm GALVANISED STEEL SHEET
- PURLIN No. 12 TEK SCREWS
- TRUSS / RAFTER EACH END No. 12 TEK SCREWS
- FASCIA BEAM TO COLUMN No. 12 TEK SCREWS

INTERNAL BRACKET

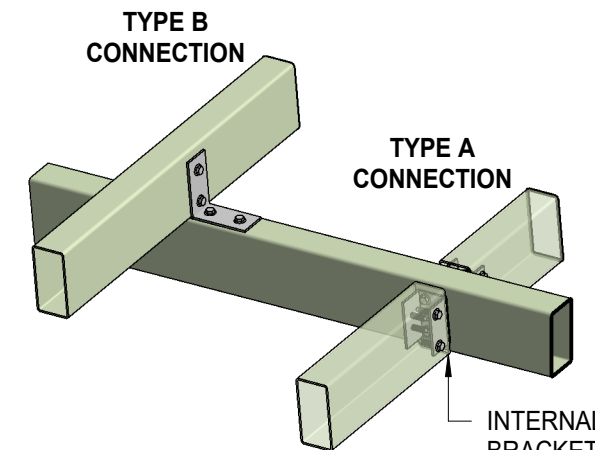
N.T.S.



- 2.5mm GALVANISED STEEL SHEET
- 3 No. M10 HEAVY DUTY ANCHORS TO WALL
- 4 No. 12 TEKS TO FASCIA PLATE/TRUSS/RAFTER/FASCIA BEAM
- 2 No. 12 TEKS EACH SIDE OF TRUSS/RAFTER/FASCIA BEAM

SADDLE BRACKET

N.T.S.

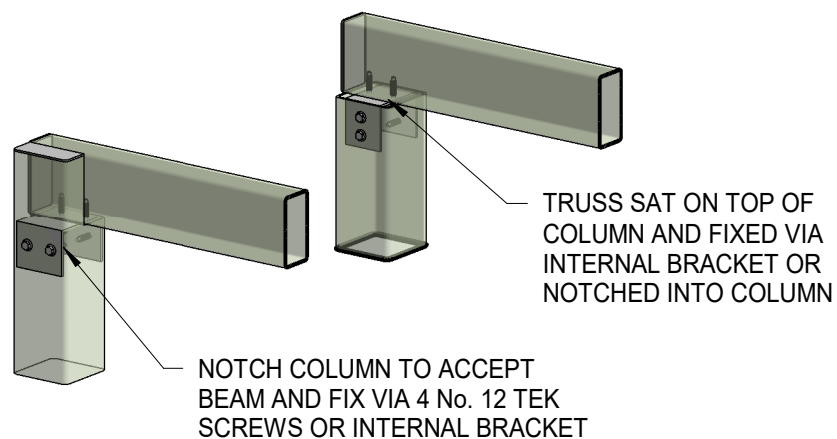


- N1-N3**
- 1.6mm GALVANISED STEEL SHEET
 - 2 No. 10 TEKS IN EACH WING TO PURLIN/TRUSS/RAFTER

- N4**
- 2.0mm GALVANISED STEEL SHEET
 - 2 No. 10 TEKS IN EACH WING TO PURLIN/TRUSS/RAFTER

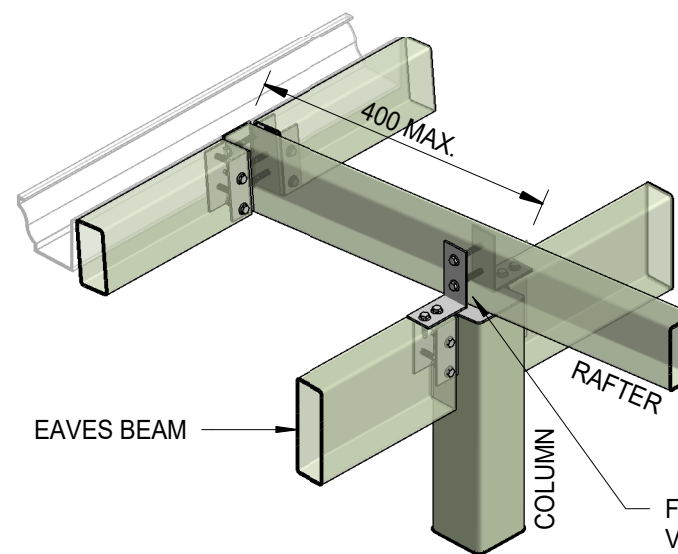
PURLIN BRACKETS

N.T.S.



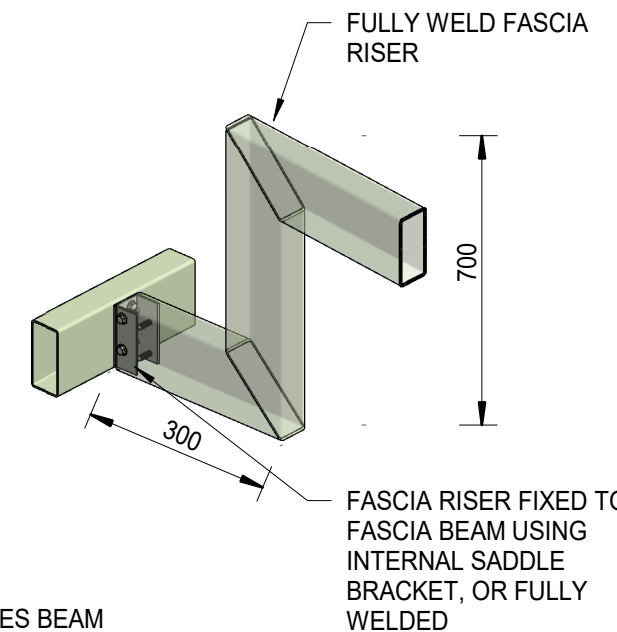
COLUMN TO BEAM FIXING OPTIONS

N.T.S.



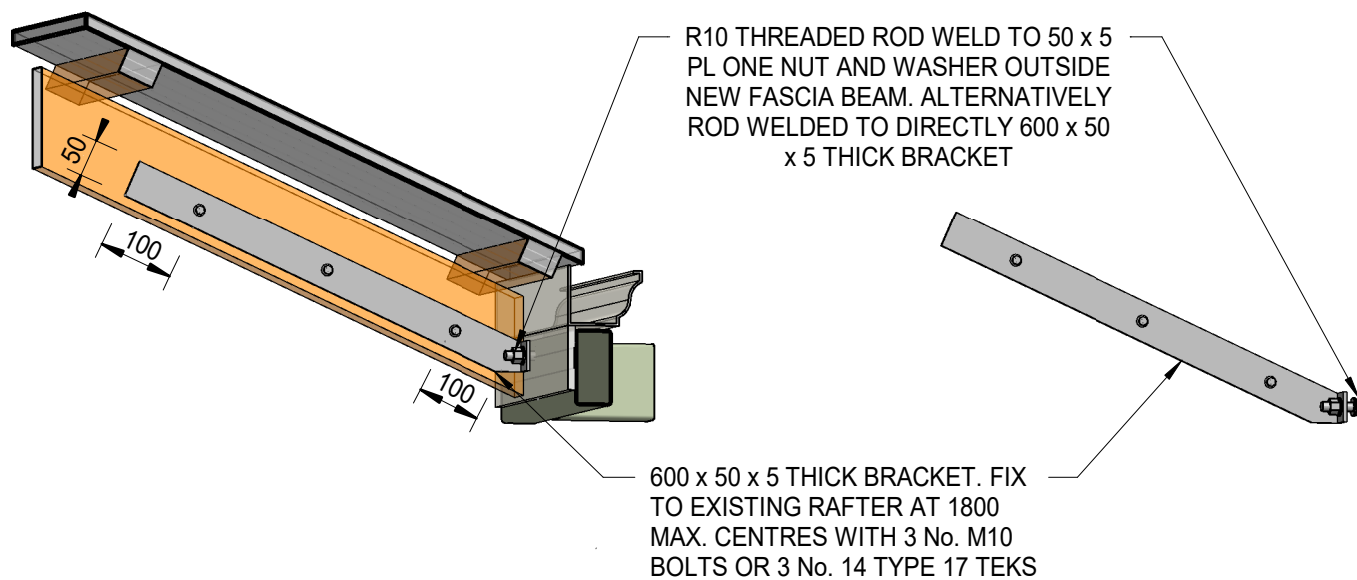
OVERHANG DETAIL

N.T.S.





FASCIA RISER DETAIL

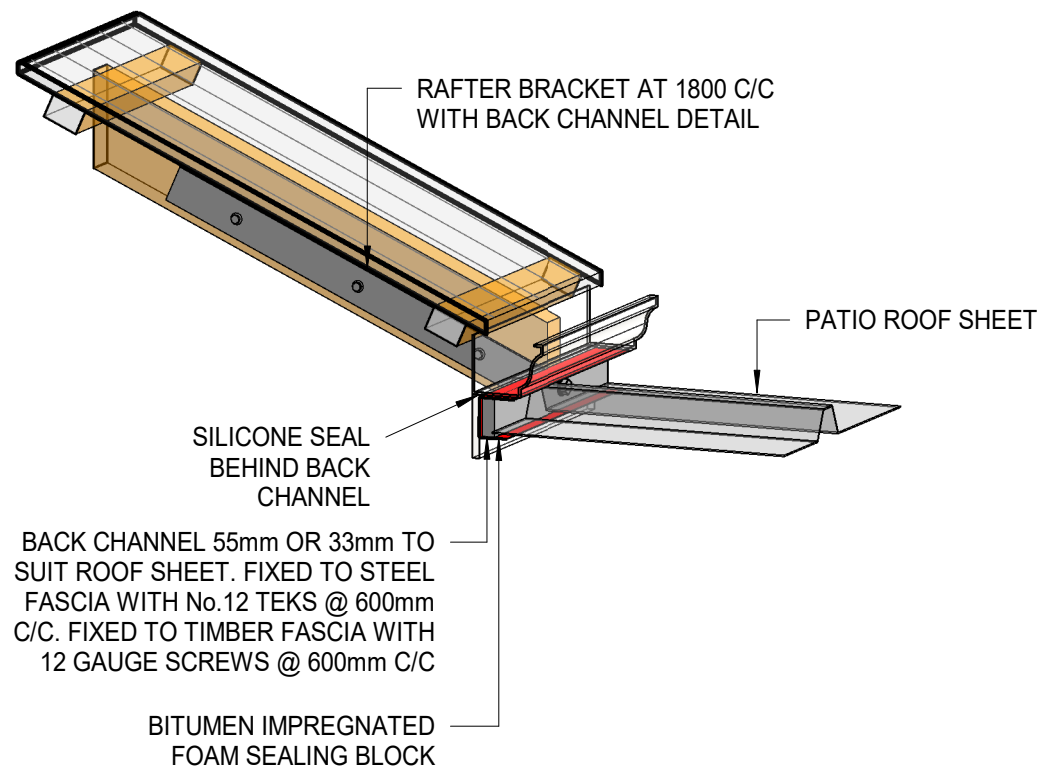
N.T.S.



RAFTER BRACKET

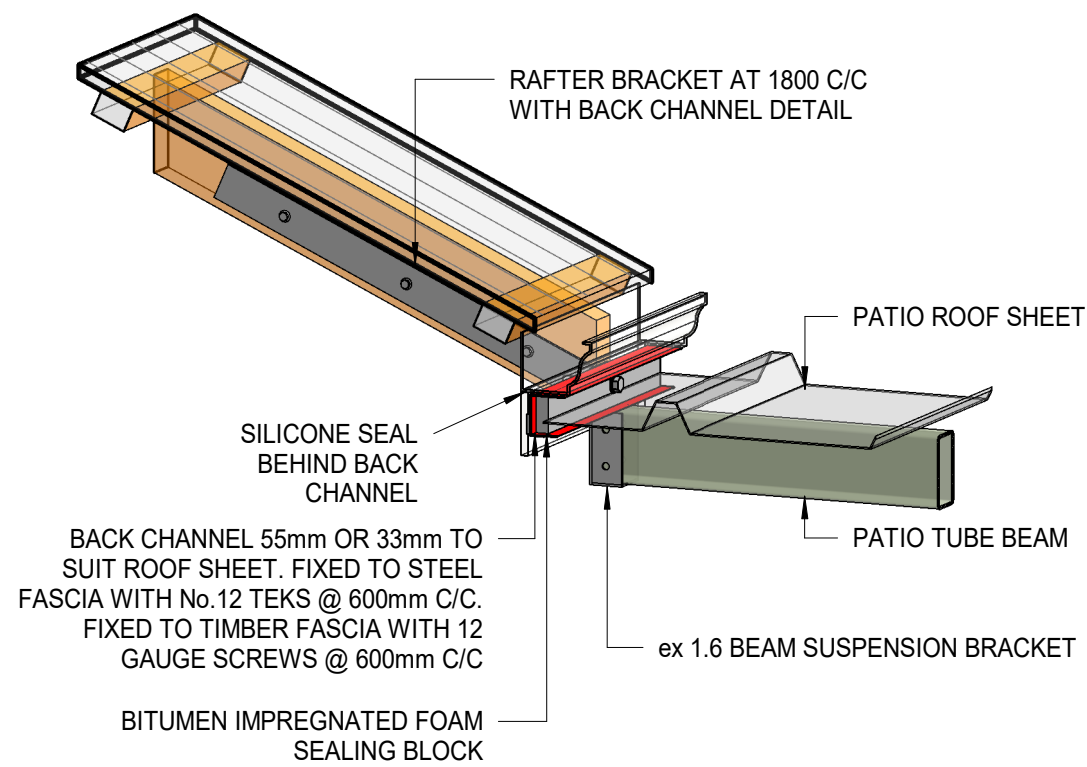
N.T.S.

CLIENT	PROJECT	A	13/12/23	CONST
	TYPICAL FLAT PATIO	REV	DATE	DESCRIPTION
	N1-N4, S2001-S2004	SCALE AT A3	-	DRAWING S2003
	DRAWING TITLE	DRAWN	PSE	PROJECT NO.
	TYPICAL CONNECTION DETAILS SHEET 1			P2001



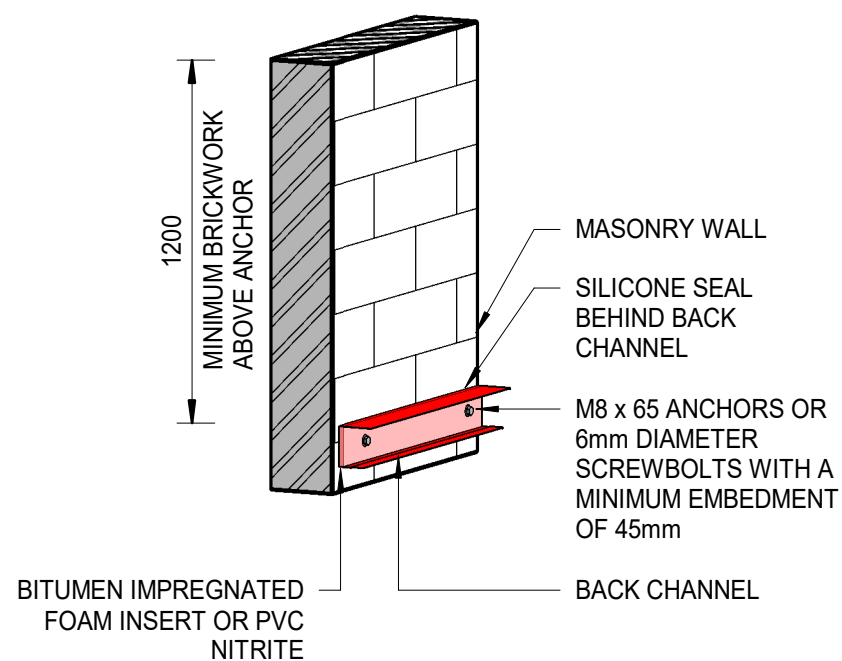
AT EXISTING FASCIA ROOF SHEETS ACROSS

N.T.S.



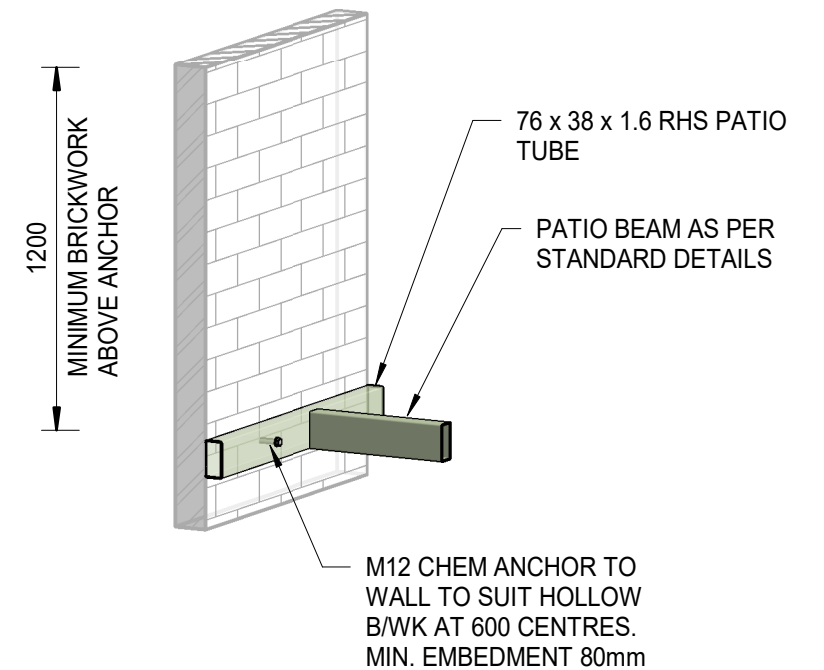
AT EXISTING FASCIA BEAM SUPPORT FROM BACK CHANNEL ROOF SHEETS ACROSS

N.T.S.



BACK CHANNEL ATTACHMENT TO WALL

N.T.S.



WALL PLATE TO BWK CONNECTION

N.T.S.

CLIENT	PROJECT	A	13/12/23	CONST
	TYPICAL FLAT PATIO N1-N4, S2001-S2004	REV	DATE	DESCRIPTION
	DRAWING TITLE TYPICAL CONNECTION DETAILS SHEET 2	SCALE AT A3	-	DRAWING S2004
		DRAWN PSE		PROJECT NO. P2001