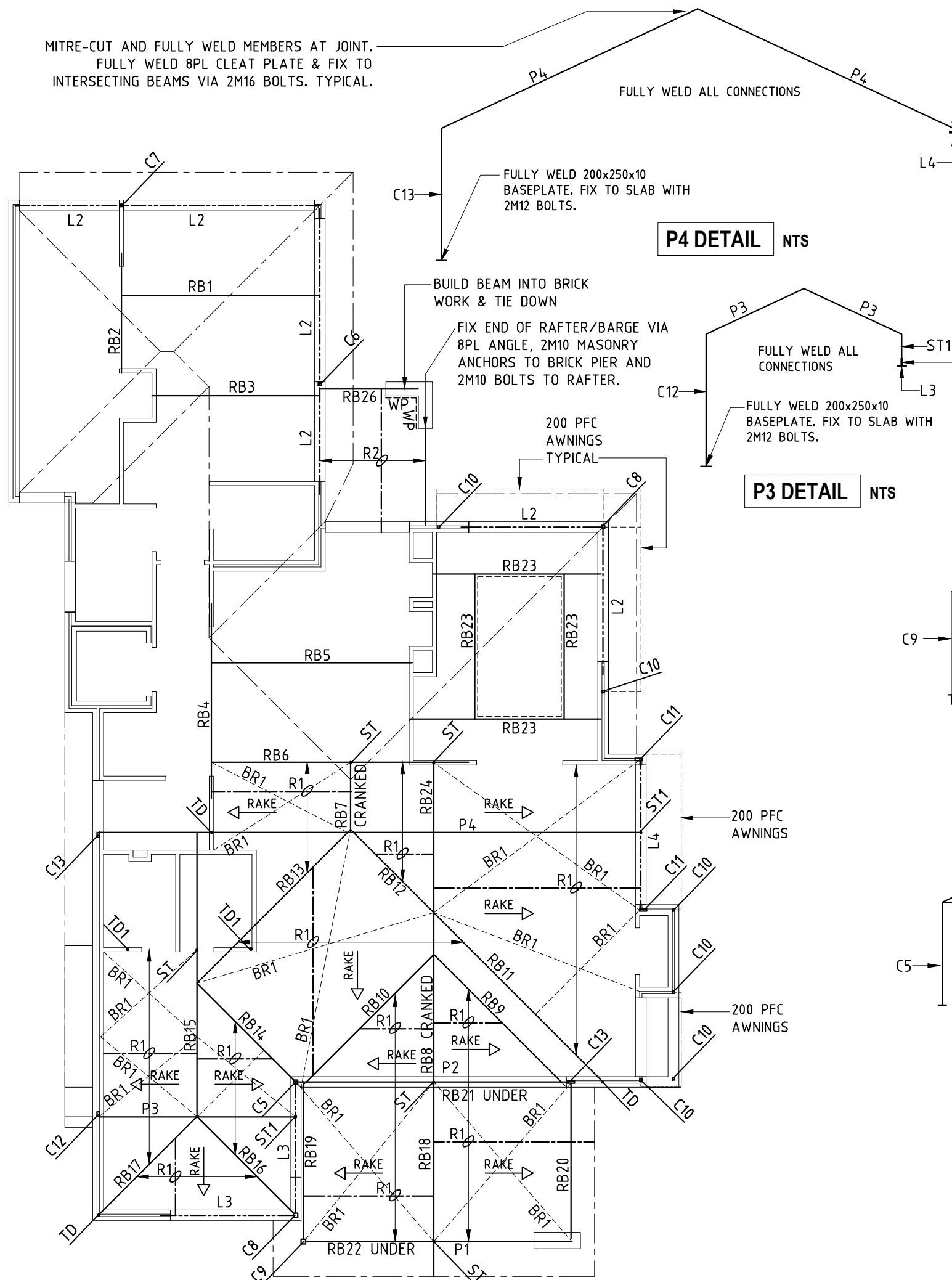


MITRE-CUT AND FULLY WELD MEMBERS AT JOINT.  
FULLY WELD 8PL CLEAT PLATE & FIX TO  
INTERSECTING BEAMS VIA 2M16 BOLTS. TYPICAL.



# ROOF PLAN 1:100

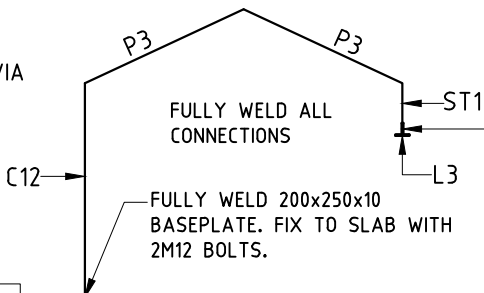
## METAL ROOF

- ALL TIMBER BEAMS TO BE LVL E-BEAM
- TD - R10 ROD FIX TO ROOF BEAM AND 200SQx10PL BASE PLATE ANCHORED INTO BRICKWORK 12c MIN BELOW BEAM. OR FULLY WELD TO LINTEL.
- TD1 - (IN SINGLE LEAF WALL) R10 ROD CHASED DOWN BRICKWORK & COGGED 70mm, 20c MIN BELOW BEAM
- FOR ROOF NOTES REFER TO COVER SHEET
- COLUMN SHOWN AS UNDER UNLESS NOTED OTHERWISE.

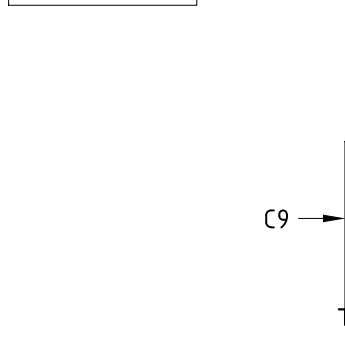
## TYPICAL BEAM CONNECTION NOTE:

- TIMBER TO TIMBER BEAM CONNECTION - PROVIDE EX8PL ANGLE CLEAT AND FIX TO EACH BEAM VIA 2M12BOLTS
- STEEL TO TIMBER BEAM CONNECTION - WELD EX10PL CLEAT TO STEEL BEAM AND FIX TO INTERSECTING BEAM VIA 2M12BOLTS.
- STEEL TO STEEL BEAM CONNECTION - WELD EX10PL CLEAT TO STEEL BEAM AND FIX TO INTERSECTING BEAM VIA 2M16BOLTS.

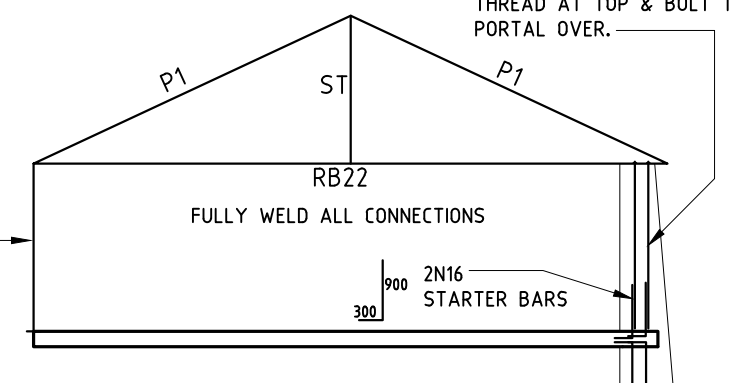
**P4 DETAIL** NTS



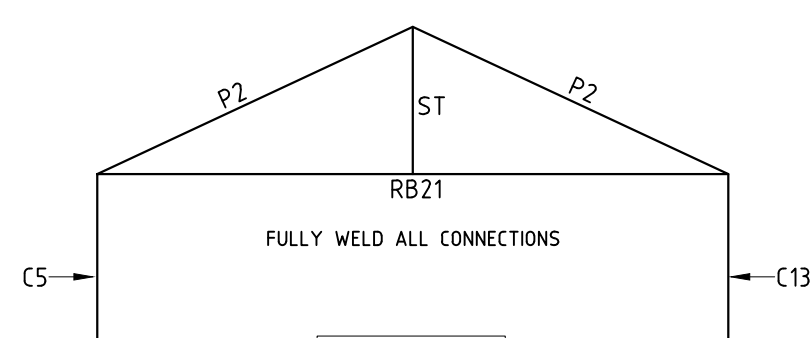
**P3 DETAIL** NTS



**P1 DETAIL** NTS



**P2 DETAIL** NTS



**Robert David**  
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Chartered Professional Engineer  
Membership No. 259960  
The Institution of Engineers, Australia

# MEMBER SCHEDULE

RB1	240x63 LVL
RB2	240x63 LVL
RB3	240x63 LVL
RB4	240x63 LVL
RB5	240x63 LVL OR 150UB14
RB6	180UB16
RB7	180UB16 CRANKED TO SUIT ROOF PITCH
RB8	200UB29 CRANKED TO SUIT ROOF PITCH
RB9	180UB16 OR 300x63 LVL
RB10	180UB16 OR 300x63 LVL
RB11	180UB16
RB12	180UB16 OR 240x63 LVL
RB13	180UB16
RB14	180UB16 OR 240x63 LVL
RB15	200UB18
RB16	180UB16 OR 240x63 LVL
RB17	180UB16 OR 240x63 LVL
RB18	180UB16
RB19	200PFC
RB20	200PFC
RB21	230PFC
RB22	230PFC
RB23	300x63 LVL
RB24	180UB16
RB25	<del>150UB14</del> DELETED
RB26	150PFC
R1	190x45 MGP10 RAFTERS @ 600c/c
R2	120x45 MGP10 RAFTERS @ 600c/c
ST	75x75x3.0 SHS STUMP COLUMN, FULLY WELD OVER & UNDER BEAMS. (TYPICAL)
ST1	150x50x4.0 SHS STUMP COLUMN (SEE "ST1 DETAIL")
P1	180UB16 PORTAL RAFTERS (SEE "P1 DETAIL")
P2	180UB16 PORTAL RAFTERS (SEE "P2 DETAIL")
P3	180UB16 PORTAL RAFTERS (SEE "P3 DETAIL")
P4	200UB25 PORTAL RAFTERS (SEE "P4 DETAIL")
BR1	30x1.0 HOOP IRON STRAP BRACING. FIX TO EACH RAFTER WITH 3/Ø2.15x30mm CLOUTS
WP	120x45 MGP10 WALL PLATE. FIX TO BRICKWORK WITH M12 MASONRY ANCHORS @ 300c/c (100 MIN FROM ENDS)

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DRAWING TITLE	ROOF PLAN		
DRAWN		APPROVED BY:	
DESIGNED			
CHECKED		SCALE: 1:100	

PROJECT			
			SHEET S13
			REV 5