

PF1: 400x400x600 DEEP PAD FOOTING, SL72 BOTTOM.  
 PF2: 600x300x600 DEEP PAD FOOTING, SL72 BOTTOM.

PROVIDE BLINDING CONCRETE AS REQUIRED TO FOUND STRIP AND PAD FOOTINGS MIN 300mm INTO SILTY CLAY OR TO ACHIEVE MINIMUM FOUNDING DEPTH AS SPECIFIED IN THE SOIL REPORT, WHICH EVER IS DEEPER.

PROVIDE 100mm INFILL SLAB WITH SL72 TOP. SAW-CUTS @ 4.0m CRS. MAX. CONCRETE STRENGTH 25MPa. TYPICAL.

NOTE: NO SOIL TEST DONE AT TIME OF FOOTING DESIGN. BUILDER/BUILDING SURV. TO ENSURE THAT ALL FOOTINGS ARE FOUND 300mm INTO NATURAL VERY STIFF CLAY U.N.O.

NOTE: IF THIS FOOTING IS TO CONSTRUCTED 1.0m OR LESS AWAY FROM EXISTING FOOTING/ BUILDING THEN THIS OFFICE IS TO BE CONTACTED FOR FURTHER ADVICE. U.N.O.

NOTE: STEP DOWNS SHOWN HERE MUST BE CONFIRMED AGAINST ARCH. DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCY MUST BE NOTED TO THIS OFFICE.

NOTE: TREES MAY AFFECT THE FOUNDATIONS OF THE PROPOSED DEVELOPMENT. TREE ROOTS & MOISTURE CHANGE ARE TO BE ISOLATED FROM THE HOUSE BY MEANS OF PROPRIETARY ROOT/MOISTURE BARRIER U.N.O. OR THE TREES ARE TO BE REMOVED & GROUND RE-MOISTURISED & COMPACTED BEFORE ANY BUILDING WORKS. SEE NOTES ON SHEET 1.

**EASEMENT DETAILS REQUIRED**  
 THE INFORMATION REGARDING THE DEPTH & OFFSET OF ANY SEWER OR STORMWATER PIPES WAS NOT SUPPLIED TO THIS OFFICE AT THE TIME OF THIS FOOTING DESIGN. ALL PROPERTY ASSETS ARE TO BE CONFIRMED PRIOR TO ANY CONSTRUCTION WORKS. REFER TO ANGLE OF REPOSE DETAILS.

SMALL TREES NOTE: IMMATURE TREES MIGHT BE NOTED ON THE SOIL REPORT THAT AFFECT/WILL AFFECT THE FOUNDING SOIL WITH FUTURE GROWTH AND NEED TO BE ALLEVIATED FOR. IN ADDITION, AWARENESS MIGHT NOT BE RAISED IN THE SOIL REPORT OR THERE COULD BE SOME TREES PROPOSED TO BE PLANTED AS PART OF THE LANDSCAPE DESIGN. DUE TO THE UNKNOWN TREE GROWTH, ROOT GEOMETRY, TREE SPECIES ETC A DETAILED DESIGN TO ALLOW FOR SUCH SCENARIOS IS BEYOND CURRENT KNOWLEDGE AND ONLY GUIDES ARE AVAILABLE FROM THE AUSTRALIAN STANDARDS. THE OWNER/S MUST ACCEPT POSSIBLE SLAB SERVICEABILITY SHORTFALLS IF THE SITE IS NOT MAINTAINED IN THE CONDITION FOUND AT SLAB CONSTRUCTION TIME. AS PER THE APPENDIX B IN THE AS2870: IT IS NEITHER PRACTICAL NOR ECONOMICAL TO DESIGN FOR THE EXTREME CONDITIONS THAT COULD OCCUR IN THE FOUNDATION. IF THE SITE IS NOT PROPERLY MAINTAINED. THE MAINTENANCE INCLUDES TREES ON SITE AND AROUND THE SITE.

Rev.	Remark/Comment	Date:	Des:
B	CONSTRUCTION ISSUE	20/05/2021	A.Z.
A	CONSTRUCTION ISSUE	24/02/2021	A.Z.

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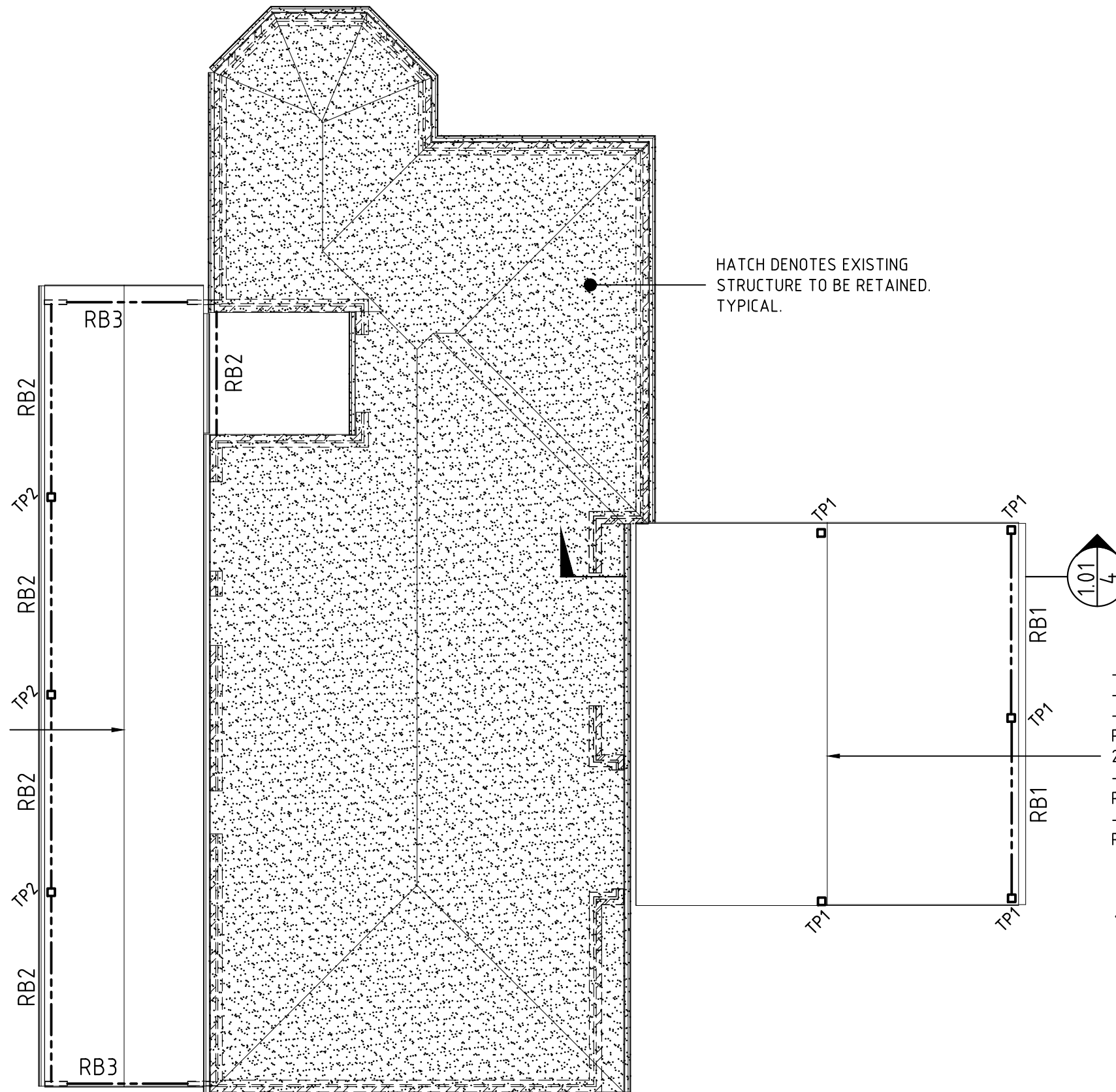
Client:  
**JESSIE CASSAR**

Address:  
**NO 3 LEAHY STREET  
 MADDINGLEY**

Approved:	P.P.	Drawn:	A.Z.
Drawing size:	A3	Scale:	AS NOTED
Job Number	<b>216584</b>	Sheet No:	2 of 4
		Revision	B

NOTES (TYPICAL):

- 1) PROPPINGS BY OTHERS; PROPS MUST SIT FIRMLY ON SOLID FLOOR AND BUILDER IS TO ENSURE THE ROOF STRUCTURE IS STABLE THROUGHOUT THE CONSTRUCTION UNTIL COMPLETION.
- 2) BUILDER OR FORENSIC ENGINEER TO CONFIRM THE LOAD-BEARING STUD WALLS ARE IN GOOD CONDITION TO BE REUSED; BUILD NEW WALL OTHERWISE.
- 3) IF ANY WALLS PROPOSED TO BE REMOVED ARE FOUND TO BE LOADBEARING WALLS AND NOMINATED ROOF BEAMS NOT INSTALLED INSTEAD, THIS OFFICE IS TO BE CONTACTED AS REDESIGN MIGHT BE REQUIRED.
- 4) IF ANY WALLS PROPOSED TO BE REPLACED WITH ROOF BEAMS FOUND TO BE NON-LOADBEARING WALLS, PROPOSED ROOF BEAMS/SUPPORTS CAN BE OMITTED.
- 5) IF BRACED WALLS ARE TO BE REMOVED PROVIDE ADDITIONAL BRACING TO MATCH.
- 6) BRACING AS PER AS1684.
- 7) IF REQUIRED BUILD UP NEW ROOF IN LIGHTWEIGHT TO MATCH EXISTING; REFER TO ARCHITECTURAL PLANS.
- 8) CONNECT ALL NEW STRUCTURAL ELEMENTS TO EXISTING ONES.



HATCH DENOTES EXISTING STRUCTURE TO BE RETAINED. TYPICAL.

-140x45 MGP10 RAFTERS @ 900crs.  
 -240x45 MGP10 RIDGE BOARD.  
 -TIE BEAMS 240x45 MGP10 - TO EACH RAFTER PAIR (WITHIN BOTTOM THIRD OF RAFTER) WITH 2/M16 BOLTS.  
 -RIDGE TIES 70x35 MGP10 - TO EACH RAFTER PAIR (AT RIDGE)

-190x45 MGP10 RAFTERS @ 900crs.  
 -240x45 MGP10 RIDGE BOARD.  
 -TIE BEAMS 240x45 LVL15 - TO EACH RAFTER PAIR (WITHIN BOTTOM THIRD OF RAFTER) WITH 2-M16 BOLTS.  
 -RIDGE TIES 70x35 MGP10 - TO EACH RAFTER PAIR (AT RIDGE).  
 -TIMBER STRUT AS 240x45 LVL15 - TO EACH RAFTER PAIR.

**ROOF FRAMING PLAN**

SCALE = 1:100

LEGEND

▭ WALLS UNDER

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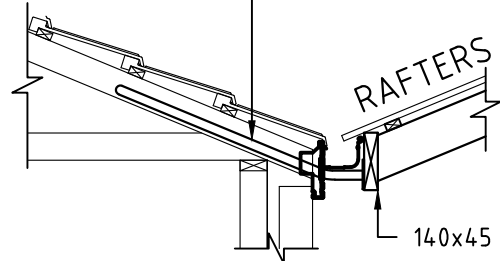
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MEMBER SCHEDULE		
MARK	SECTION	COMMENTS
RB1	290x45 F17 KD HW	3.7 m MAX SPAN
RB2	290x45 F17 KD HW	3.9 m MAX SPAN
RB3	140x45 F17 KD HW	2.5 m MAX SPAN
TP1	140x140 F7 CYPRESS	3 m MAX HEIGHT
TP2	90x90 F7 CYPRESS	3 m MAX HEIGHT

U.N.O: - ALL LINTELS/BEAMS HARD AGAINST THE TOP PLATE.  
- PROVIDE DOUBLE STUD AS SUPPORTS TO ALL BEAMS/LINTELS/GIRDER TRUSSES.

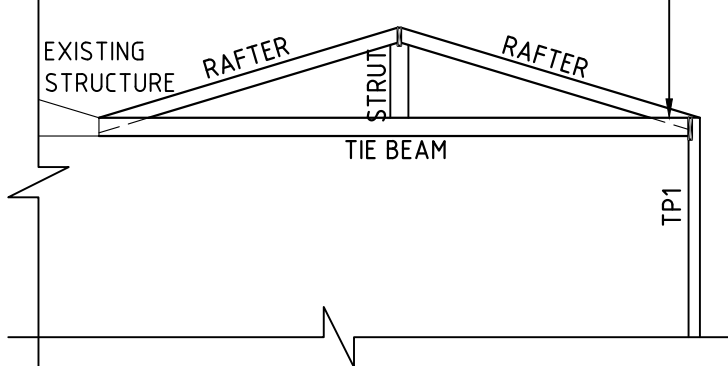
PRE-FABRICATED GALVANISED TOP CHORD BRACKETS FIXED TO EXISTING RAFTERS AT 900 CENTERS.



### PROPOSED TO EXISTING ROOF CONNECTION DETAIL

SCALE = NTS

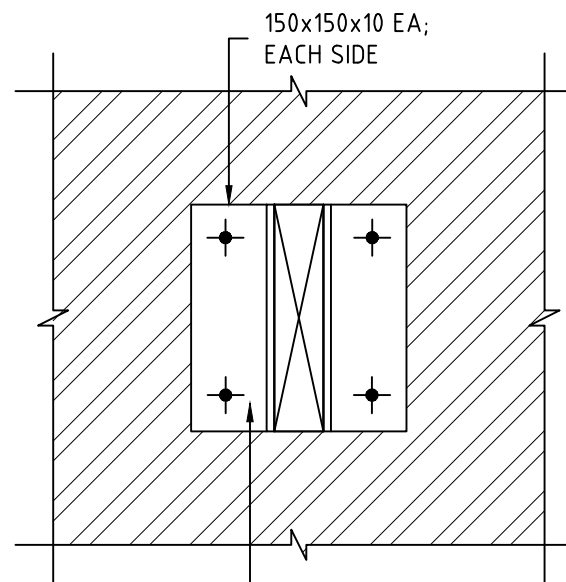
PROVIDE 2-M16 BOLTS AT EACH JOINT. MINIMUM EDGE DISTANCE MUST BE ACHIEVED TYPICAL.



### FRAME TRUSS SKETCH

SCALE NTS

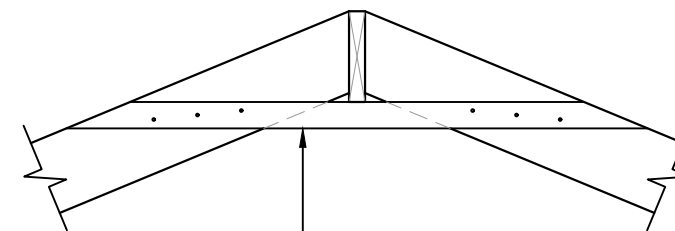
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4-M10 CHEMSETS CAST INTO BRICKWORK. TYPICAL.

### TYPICAL TIMBER BEAM TO MASONRY CONNECTION DETAIL

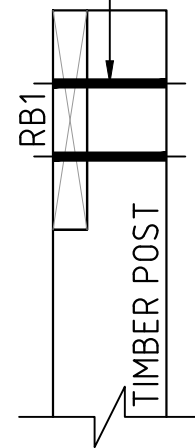
SCALE = NTS



### RIDGE TIE

SCALE = NTS

2-M12 BOLTS.



### RB1 TO TIMBER POST CONNECTION DETAIL

SCALE = NTS

### WALL FRAMING MEMBERS (U.N.O)

DUE TO SITE SPECIFIC LOADING TIMBER SIZES FROM AS1684 CAN BE USED IN LIEU OF ONES SPECIFIED IN THIS TABLE

UPPER/SINGLE STOREY STUD SIZE	MAX HEIGHT (mm)	MAX SHEET ROOF LOAD WIDTH (mm)		MAX TILED ROOF LOAD WIDTH (mm)	
		@ 450crs	@ 600crs	@ 450crs	@ 600crs
90x35 MGP10	3000	7500	5400	6900	4800
90x45 MGP10	3000	7500	7500	7500	7500
	3600	4000	-	3500	-
90x45 F17 KD HW	3600	7500	7500	7500	7500
LOWER STOREY STUD SIZE	MAX HEIGHT (mm)	MAX ROOF LOAD (mm)	MAX FLOOR LOAD (mm)		
90x35 MGP10 @ 450crs	3000	6000	3500		
90x45 MGP10 @ 450crs	3000	7500	4800		
90x45 F17 KD HW @ 450crs	3300	7500	3000		

TOP PLATE: 45x90 MGP10 UP TO 3.8m OF METAL ROOF.  
2-35x90 MGP10 UP TO 7.5m OF METAL ROOF.  
2-45x90 MGP10 UP TO 7.5m OF TILED ROOF.

BOTTOM PLATE: 45x90 MGP10 UP TO 4.8m OF ROOF.  
2-45x90 MGP10 UP TO 7.5m OF ROOF.

IF BOTTOM PLATE SUPPORTED BY CONCRETE SLAB/SOLID BLOCKING 35x90 MGP10 CAN BE USED.

WALLS NOTCHED MAX 20mm FOR BRACING.  
STUD NOGGINS AT NO MORE THAN 1350crs.

TOP & BOTTOM PL NOT NOTCHED.

JAMB STUDS TO AS1684.

PROVIDE DOUBLE STUD AT EACH BEAM/LINTEL/GIRDER TRUSS LOCATION.

NOTE: EQUIVALENT TIMBER GRADE CAN BE USED TO REPLACE TIMBER GRADES SPECIFIED

BUILDING BRACING TO BUILDER'S SPECIFICATIONS TO BE INSTALLED IN ACCORDANCE WITH AS1684.

BUILDER TO SUPPLY MANUFACTURERS TRUSS LAYOUT TO BUILDING SURVEYOR FOR APPROVAL PRIOR TO CONSTRUCTION. TRUSS DESIGN MUST BE IN ACCORDANCE WITH AS1720 AND AS1684. TRUSS FABRICATOR IS RESPONSIBLE FOR PROVIDING ADEQUATE ROOF BRACING TO ENSURE STABILITY OF THE STRUCTURE. ROOF TRUSSES TO BEAR ON ALL EXTERNAL WALLS AND EXTERNAL WALLS ONLY. IF INTERNAL WALLS NEED TO BE USED THIS OFFICE MUST BE CONTACTED FOR FURTHER ADVICE.

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