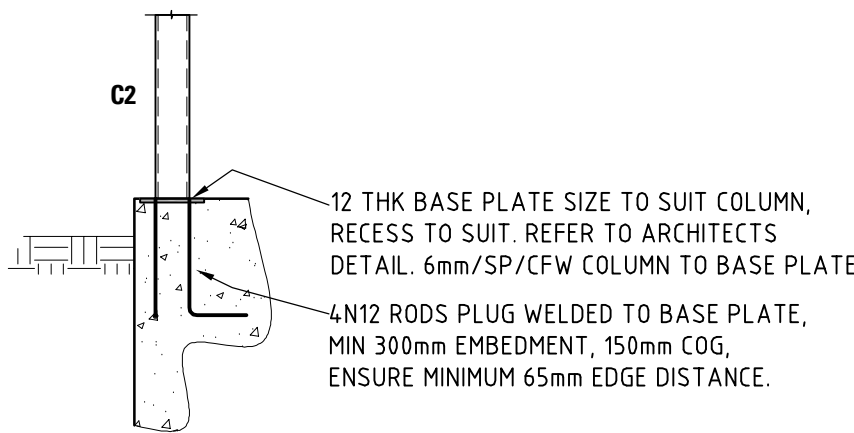
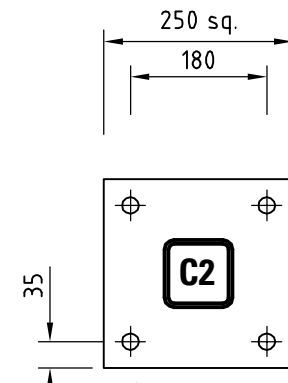


REFER TO  
OPTION 1:  
OPTION 2:  
CAST IN BASE PLATE DETAIL.  
BASE PLATE DETAIL

## ELEVATION 'PF1'- 'K' FRAME AS PORTAL FRAME N.T.S.

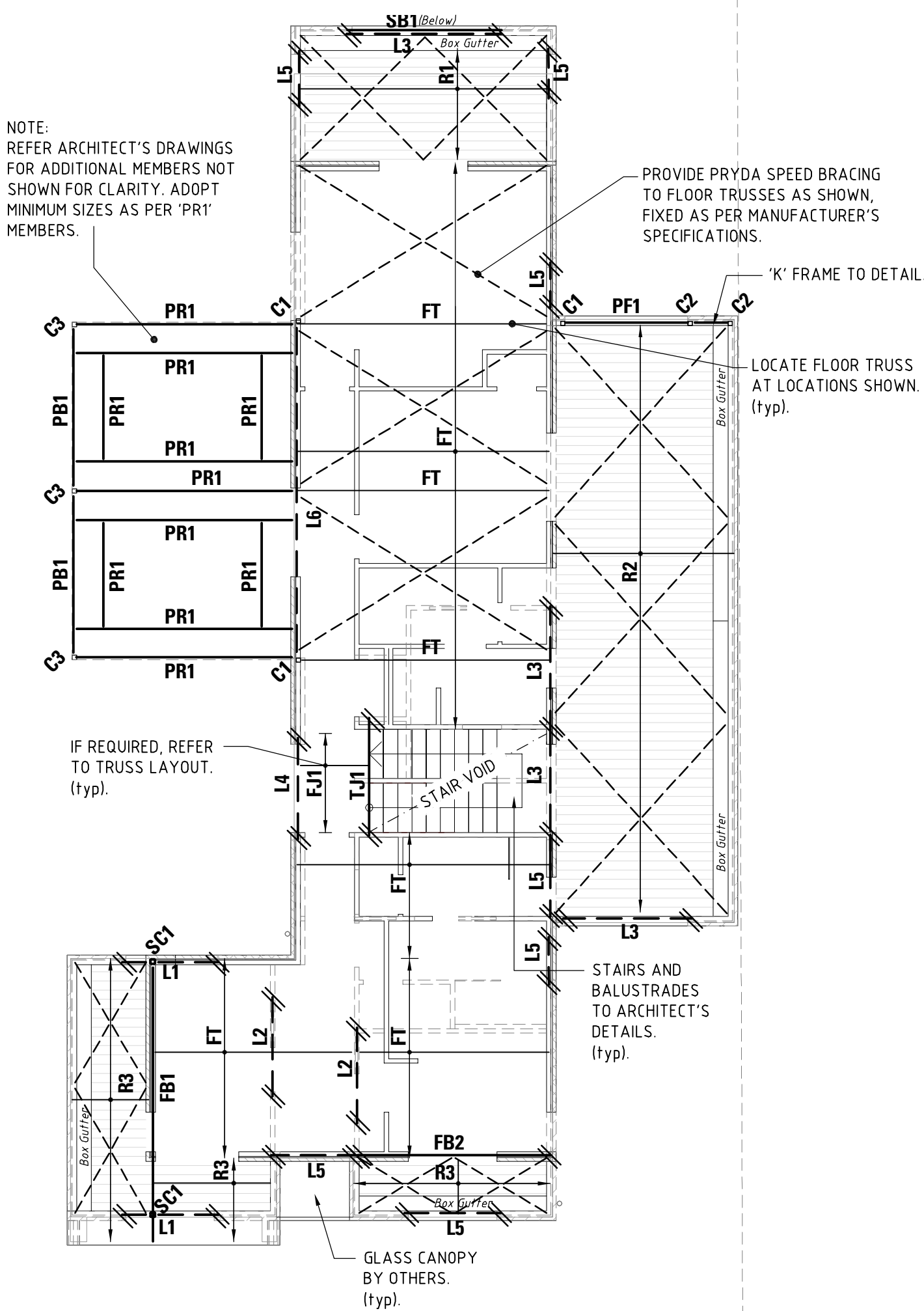


### OPTION 1: CAST-IN BASE PLATE DETAIL TO EDGE N.T.S.

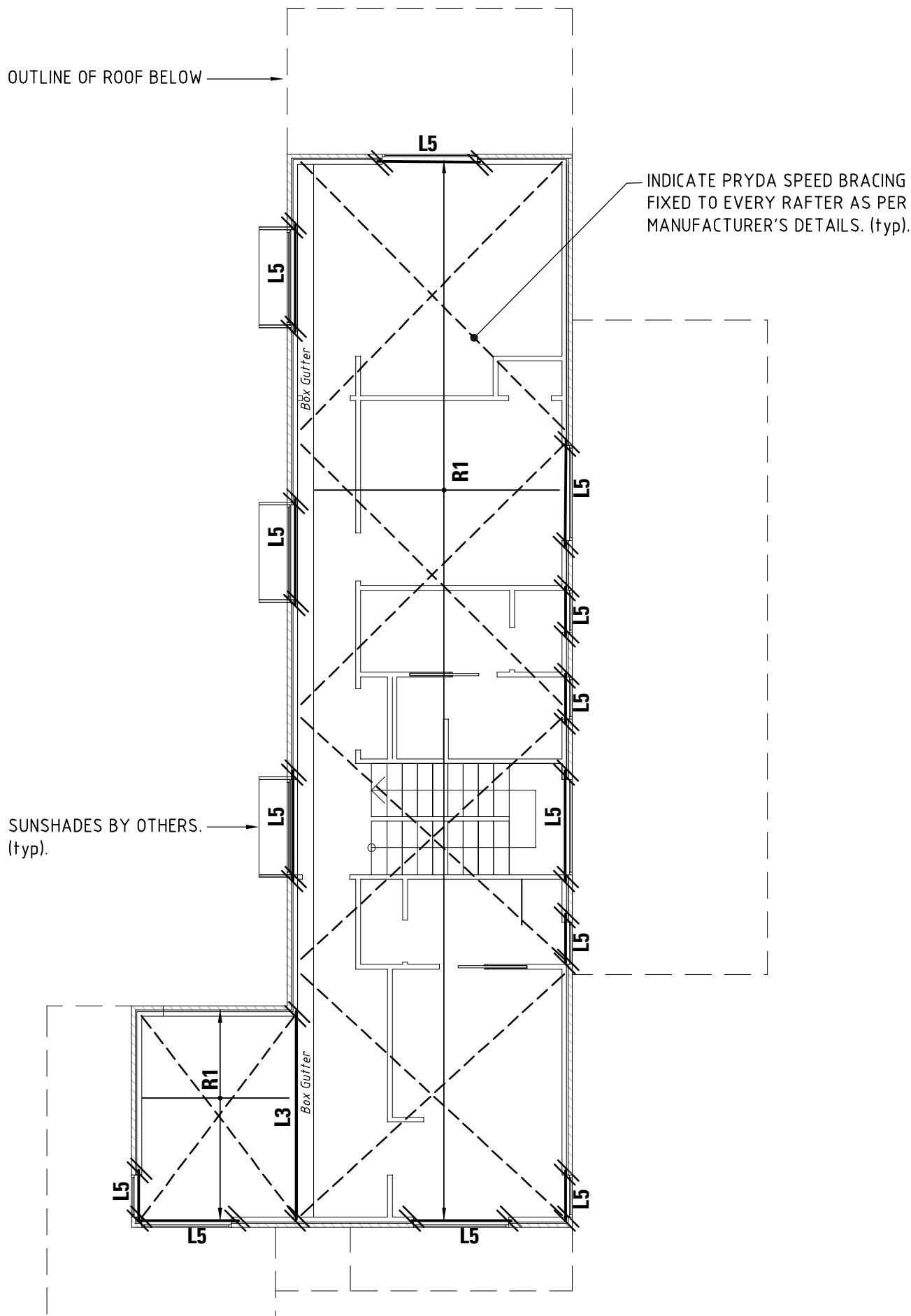


### OPTION 2: BASE PLATE SCALE 1:10

MEMBER	SECTION	REMARKS
<b>COLUMNS</b>		
C1	89x89x3.5 SHS Gr C350	6 THK CAP PLATE, 10 THK BASE PLATE, 2M16 RAMSET CHEMSET ANCHOR STUDS WITH 101 PLUS INJECTION, MIN 125mm & 65mm EDGE DISTANCE.
C2	89x89x3.5 SHS Gr C350	REFER TO 'K' BRACE ELEVATION & CAST IN PLATE DETAIL.
C3	90x90 F7 (Seasoned Softwood)	PROVIDE PRYDA POST SHOE AS PER MANUFACTURER'S DETAILS.
SC1	90x90 MGP10	2M12 & 6/5 BOLTS TO BEAM/INTEL. NOTCH POST TO SUIT.
<b>LINTELS</b>		
L1	2/240x45 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
L2	240x45 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
L3	240x63 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
L4	200x63 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
L5	130x45 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
L6	360 UB 50.7 Gr 300+	10 THK CLEAT, 4M16 8/8'S BOLTS, PACK OUT WITH TIMBER AS REQUIRED TO SUIT TIMBER TRUSS / RAFTER FIXING.
<b>FLOOR BEAMS</b>		
FT	FLOOR TRUSS (by others)	REFER TO TRUSS DESIGNERS DETAILS IN FOOTING CONSTRUCTION REPORT.
FB1	2/400x63 HYPAN LVL	PRYDA HANGER OR EQUIVALENT BRACKET.
FB2	360x45 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
FJ1	140x45 MGP10	AT 450 CTS, PRYDA HANGER OR EQUIVALENT BRACKET.
TJ1	150x45 HYPAN LVL	STRAP & NAIL TO STUD SUPPORTS.
<b>PERGOLA / ROOF BEAMS</b>		
PF1	150 PFC Gr 300+	10 THK CLEAT, 2M16 8/8'S BOLTS, REFER TO ELEVATION ADJACENT.
PB1	290x45 MGP10 (min)	3M16 8/8'S BOLTS, PERGOLA FRAMING MINIMUM SIZE & GRADE, REFER TO ARCHITECTS DRAWINGS FOR LARGER TIMBER SIZES IF REQUIRED.
PR1	290x45 MGP10 (min)	AS SHOWN ON PLAN, PRYDA HANGER OR EQUIVALENT BRACKET.
R1	240x45 MGP10	AT 600 CTS, REFER TO TIE DOWN DETAILS, FIX CEILING TO UNDER SIDE OF RAFTERS, SOLIDIER UP TO PURLINS AS REQUIRED TO SUIT FALLS AT MAX. 1200 CTS.
R2	190x45 MGP10	AT 600 CTS, REFER TO TIE DOWN DETAILS, FIX CEILING TO UNDER SIDE OF RAFTERS, SOLIDIER UP TO PURLINS AS REQUIRED TO SUIT FALLS AT MAX. 1200 CTS.
R3	120x45 MGP10	AT 600 CTS, REFER TO TIE DOWN DETAILS, FIX CEILING TO UNDER SIDE OF RAFTERS, SOLIDIER UP TO PURLINS AS REQUIRED TO SUIT FALLS AT MAX. 1200 CTS.
SB1	240x63 HYPAN LVL	WINDOW SILL BEAM, STRAP & NAIL TO STUD SUPPORTS.
PURLINS	45x90 MGP10	AT 1200 CTS MAX, REFER TO TIE DOWN DETAILS, MAXIMUM 1200mm SPAN. NOTE: NOT SHOWN ON PLAN FOR CLARITY.



## FIRST FLOOR AND LOWER ROOF FRAMING SCALE 1:100



## UPPER ROOF FRAMING SCALE 1:100

### STRUCTURAL TIMBER FRAMING NOTES

- WALL FRAMES TO STEEL COLUMNS & BEAMS (WHERE APPLICABLE) TO BE SHOT FIRED AT 400 CTS VERTICAL CTS, 400 CTS HORIZONTAL.
- STUDS TO BE PROVIDED DIRECTLY UNDER RAFTERS & FLOOR/ROOF TRUSSES WHERE APPLICABLE. SHOULD MISALIGNMENT OCCUR, UPGRADING OF TOP PLATE MAY BE REQUIRED.
- PROVIDE ROOF TIE DOWNS AT 1200 CTS. REFER TO ALL STRUCTURAL DOCUMENTATION IN FOOTING CONSTRUCTION REPORT FOR DETAILS.
- ALL EXPOSED TIMBER FRAMING TO BE H3/LOSP TREATED MINIMUM. REFER TO ARCHITECTS DETAILS.
- ALL DOUBLE/TRIPLE MEMBERS TO BE NAIL LAMINATED. U.N.O.
- ///, /// INDICATES DOUBLE OR TRIPLE MGP10 STUD SUPPORTS AT BEAM ENDS AS PER WALL FRAMING SCHEDULE, SIZE TO MATCH STUDS.
- JOINT STRENGTHS OF TIMBER TO BE JD4 OR BETTER U.N.O.
- BRICK TIES TO BE SHOT FIRED VERTICALLY/HORIZONTALLY TO STRUCTURAL MEMBERS AT 300 CTS. MAX. WHERE APPLICABLE.
- ALL BOLTS, SCREWS & NAILS TO BE GALVANISED AS REQUIRED IN ACCORDANCE WITH AS1720.
- ALL BOLTED CONNECTIONS TO BE PROVIDED WITH A WASHER AT EACH END, WITH BOLT SPACINGS & EDGE DISTANCES TO AS1684 & AS1720. HOLES DRILLED IN TIMBER FOR BOLTED FASTENERS SHALL BE OVERSIZED 2mm FOR BOLTS UP TO AND INCLUDING 16mm Dia. & 3mm FOR BOLTS > 20mm DIAMETER.
- ALL TIMBER CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH AS1684.2 (U.N.O.).
- REFER TO MANUFACTURERS SPECIFICATIONS FOR ANY PROPRIETARY PRODUCTS.

### STRUCTURAL STEELWORK NOTES

- ALL MATERIALS, WORKMANSHIP, FABRICATION AND ERECTION SHALL COMPLY WITH THE REQUIREMENTS OF AS4100, AS/NZS4600, AS1554 AND THE SPECIFICATION.
- UNLESS SHOWN OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS3679 GRADE 300. ALL STEEL HOLLOW SECTIONS SHALL BE GRADE 350 AND 250 IN ACCORDANCE WITH AS1163.
- BOLT DESIGNATION:  
4.6/5 REFERS TO COMMERCIAL BOLTS OF STRENGTH GRADE 4.6 TO AS1111 TIGHTENED TO A SNUG TIGHT CONDITION. 8.8/5 REFERS TO HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 TIGHTENED TO A SNUG TIGHT CONDITION.
- BOLTS WITH INTEGRAL WASHERS IN BOTH THE HEAD & NUT SHALL BE USED FOR ALL STEEL PURLIN CLEATS TO SUPPORTS. U.N.O.
- ALL WELDS SHALL BE 6MM FILLET WELD OR MINIMUM 4.24mm THROAT THICKNESS IN ACCORDANCE WITH AS1554. ALL ELECTRODES SHALL HAVE MINIMUM F<sub>u</sub>= 490MPa WELD METAL U.N.O. ALL BUTT WELDS SHALL BE FULL STRENGTH COMPLETE PENETRATION WELDS.
- SUBSTITUTIONS FOR STEEL SECTIONS SHOWN ON DRAWINGS SHALL NOT BE MADE WITHOUT THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL CLEATS, TIMBER PACKERS TO WEB/FLANGE AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL, TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.
- THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK SHALL BE SUPERVISED BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF THE DESIGN ARE MET. DETAILS OF ERECTION SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ERECTION.
- COLUMNS AND MULLIONS SHALL HAVE THEIR BASE PLATES FULLY GROUTED IN ACCORDANCE WITH THE SPECIFICATIONS AFTER PLUMBING AND LEVELLING ON STEEL PACKERS.
- REFER TO THE SPECIFICATION FOR ALL STEEL FINISHES/TREATMENTS. CONFIRM WITH ARCHITECT.

### FLOOR TRUSS NOTES:

- TIMBER FLOOR TRUSS DENOTES EXTENT OF TIMBER TRUSSES. TRUSSES TO BE MANUFACTURED, SUPPLIED & INSTALLED BY "KEITH TIMBER" ONLY.
- WET AREA DENOTES EXTENT OF WET AREA. REFER TO TRUSS DESIGNERS & ARCHITECTS DETAILS FOR SET DOWNS (AS REQUIRED).
- TRUSSES TO BE DESIGNED & INSTALLED IN ACCORDANCE WITH AS4440-2004.
- ALL FLOOR TRUSS SPANS MUST BE MEASURED ON SITE PRIOR TO MANUFACTURE. THIS OFFICE MUST BE ADVISED OF ANY DISCREPANCIES FROM THESE DRAWINGS FOR REVIEW OF TRUSS SIZES & SUPPORTING MEMBERS.
- IT SHALL BE THE TRUSS MANUFACTURERS RESPONSIBILITY TO SPECIFY THE SIZE & LOCATION OF ALL TOP/BTM CHORD & DIAGONAL STRUT STABILIZERS AS REQUIRED.
- IF THE SUCCESSFUL BUILDER WISHES TO PROVIDE THEIR OWN TRUSS SUPPLIER, THE ALTERNATIVE DESIGN MUST BE RE-CERTIFIED IN ACCORDANCE WITH CURRENT LEGISLATION, AND RE-SUBMITTED TO PT DESIGN FOR REVIEW.
- THE TRUSS MANUFACTURER MUST SUPPLY ALL BRACKETS & FIXINGS OF ROOF & FLOOR BEAMS/TRUSSES TO GIRDER TRUSSES. etc.

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Date	Revision	Issue

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Designed	JC	Drawn	MD
Approved		Date	JUL '18
STRUCTURAL		Sheet	3 of 3

Project  
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Client  
**M. ZANON & B. CLOVER**

Drawing Title  
**FLOOR AND ROOF  
FRAMING PLAN**

Drawing Number  
**20316-S03**

Scale  
1:100  
Issue  
00