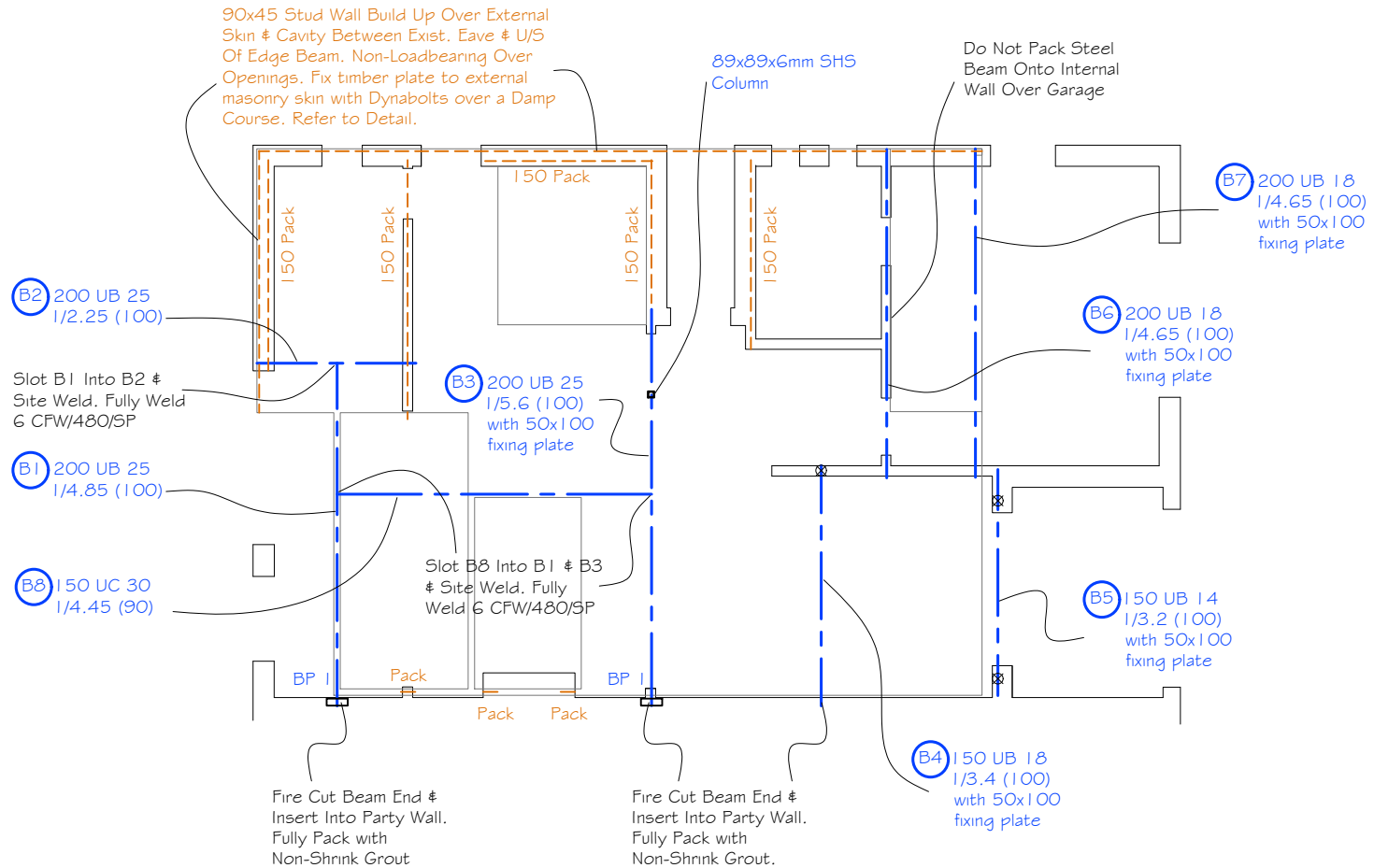


- * Pack all steel beams onto walls with solid timber blocks to top plates. Strap down with Hoop Iron.
- * Pack all beams onto packers & fix with batten screws or Hoop Iron strap.
- * Solid pack all steel beams supported on masonry with Non-Shrink Grout.
- * All site welds should be full perimeter welds.
- * All site welds to be 6 CFW/480/SP.

⊗ Denotes Pack onto wall with 50x100mm Block between exist. ceiling joists.

BP 1 Denotes 300x100x16mm Bearing Plate



PACKER LAYOUT

SCALE 1:100

- * Note: Steel beam/timber lintel dimensions shown in brackets is the distance from top of existing ceiling joists to top of new steel beam.
- * Provide 100x50 plate to top of steel beams to allow fixing of joists over. Fix with batten screws @900mm centres to top flange.

FINAL CONSTRUCTION - 05.12.17

FOR: MS. C. , Mr. A. & Mrs. E. HOYLE

FINAL CONSTRUCTION - 14.11.17

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PREPARED - 02.10.17 MJB

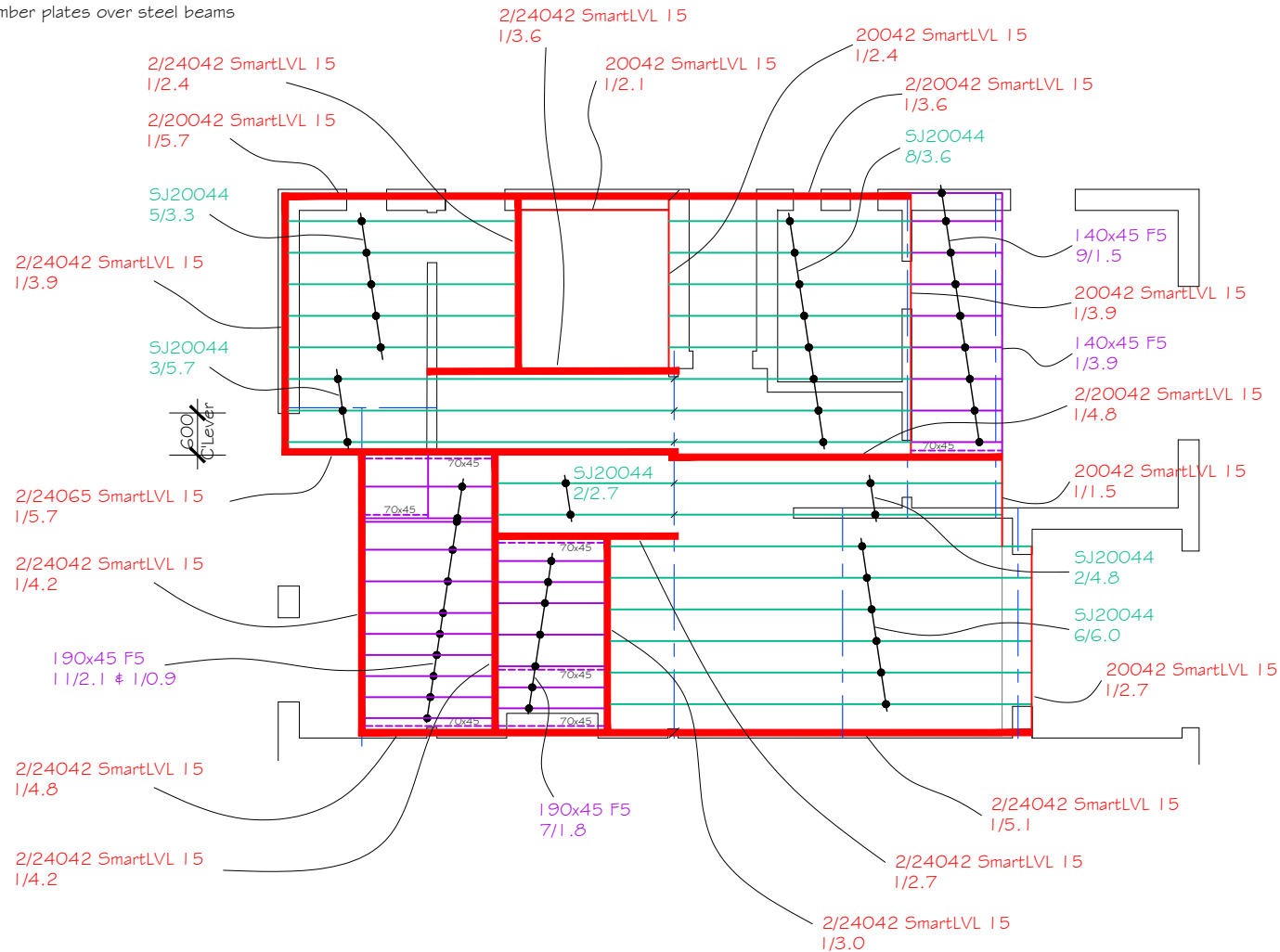
SHEET: 1 OF 7

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- * Min. 15mm CFC floor sheeting to Wet Areas.
- * Floor Sheeting fixed @300mm centres max. per the NCC
- * Install double joists under all parallel loadbearing walls.
- * Fix all joists to beams & trimmers with Joist Hangers
- * Block joists over supports @1800mm centres max.
- * Fix all LVL beams to each other with heavy duty Joist Hangers or Pryda bracket & Batten Screws.
- * Fix all joists & timber beams down to timber plates over steel beams below.



FLOOR JOISTS

SCALE 1:100

- * Set down wet area joists 35mm and shower recess joists an additional 25mm
- * Set down balcony joists 60mm
- * SJ - Denotes tiling smart joists
- * LVL - Denotes tiling smart lvl

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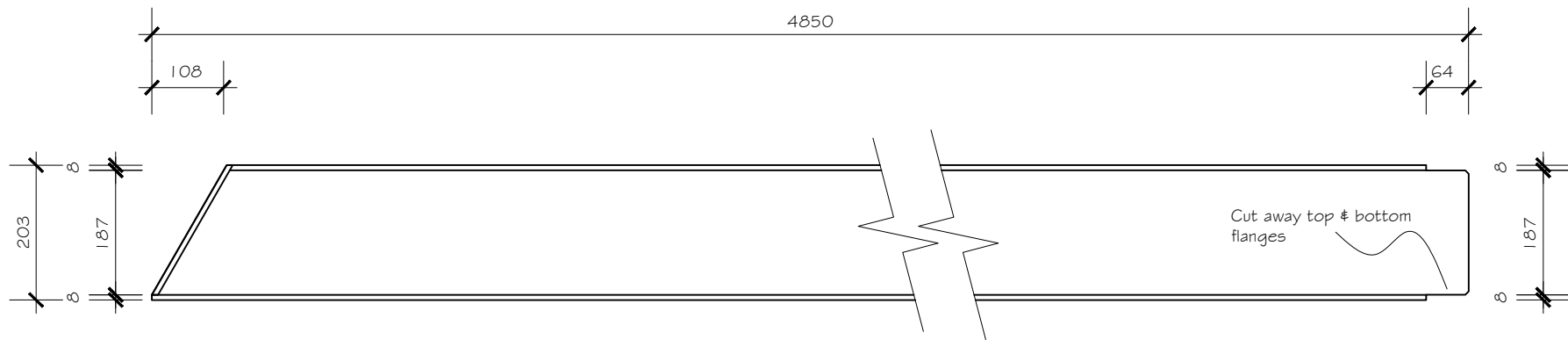
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AMENDED - 13.10.17 MJB
PREPARED - 02.10.17 MJB

SHEET: 2 OF 7

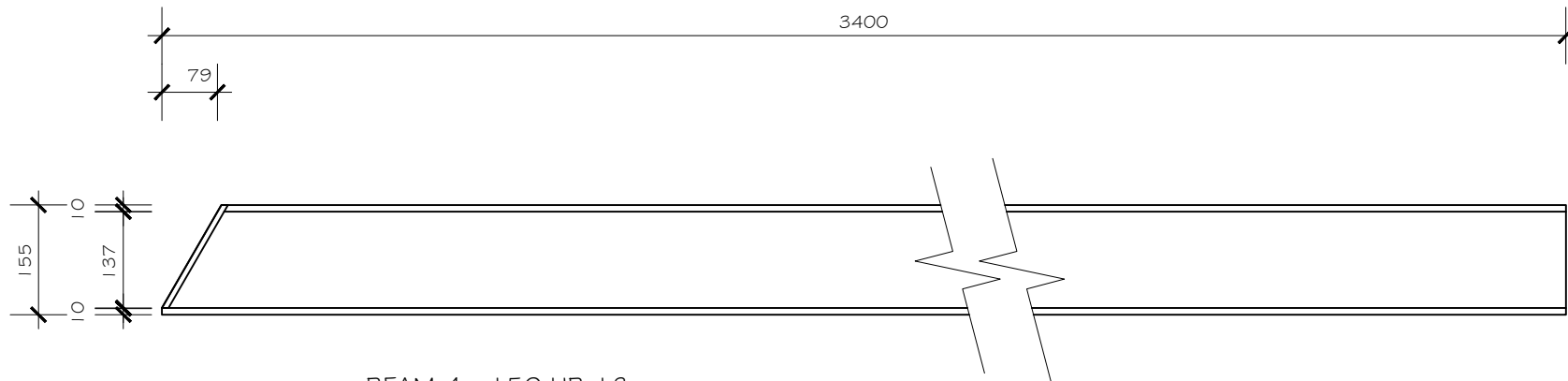
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BEAM 1 - 200 UB 25



BEAM 4 - 150 UB 18

STEEL DETAILS

SCALE 1:10

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FINAL CONSTRUCTION - 14.11.17

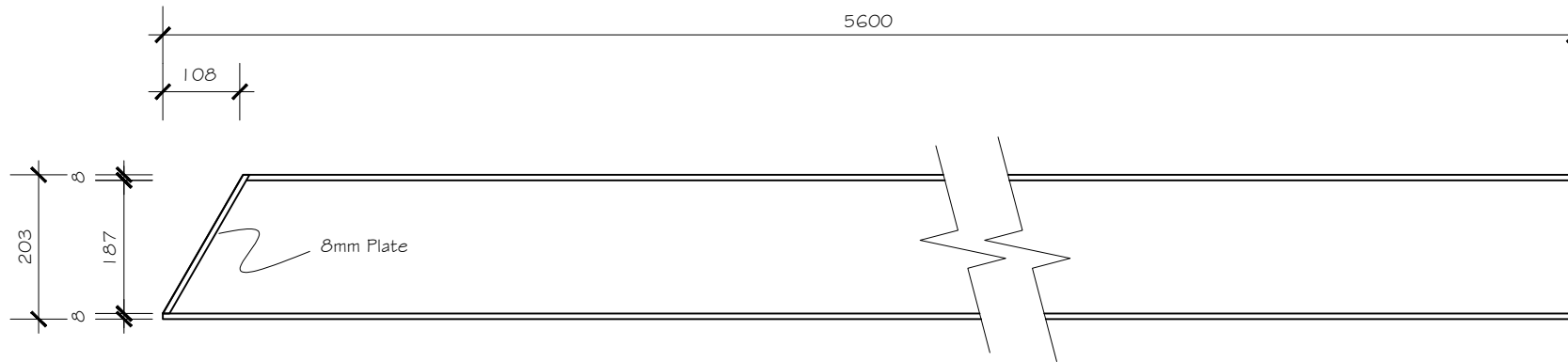
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PREPARED - 02.10.17 MJB

SHEET: 3 OF 7

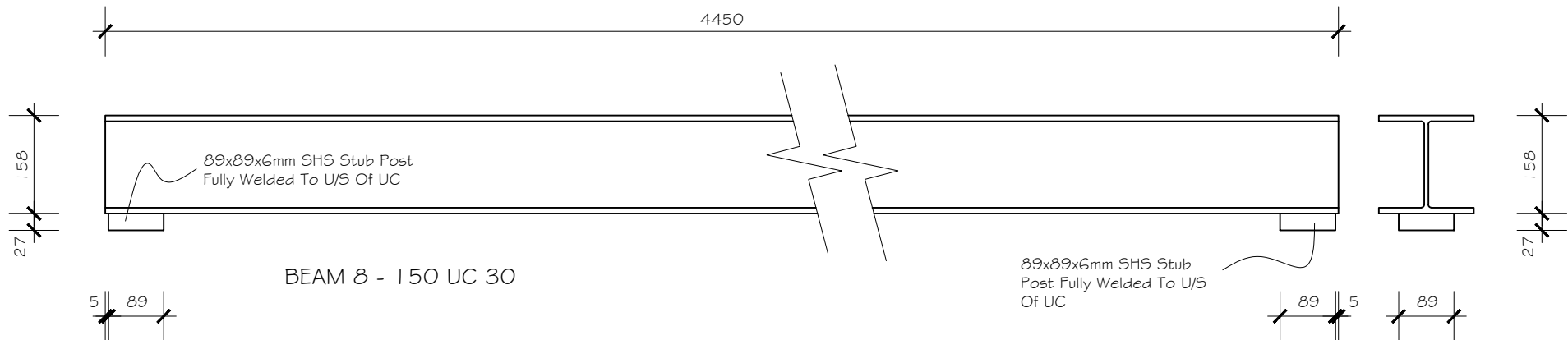
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BEAM 3 - 200 UB 25



BEAM 8 - 150 UC 30

STEEL DETAILS

SCALE 1:10

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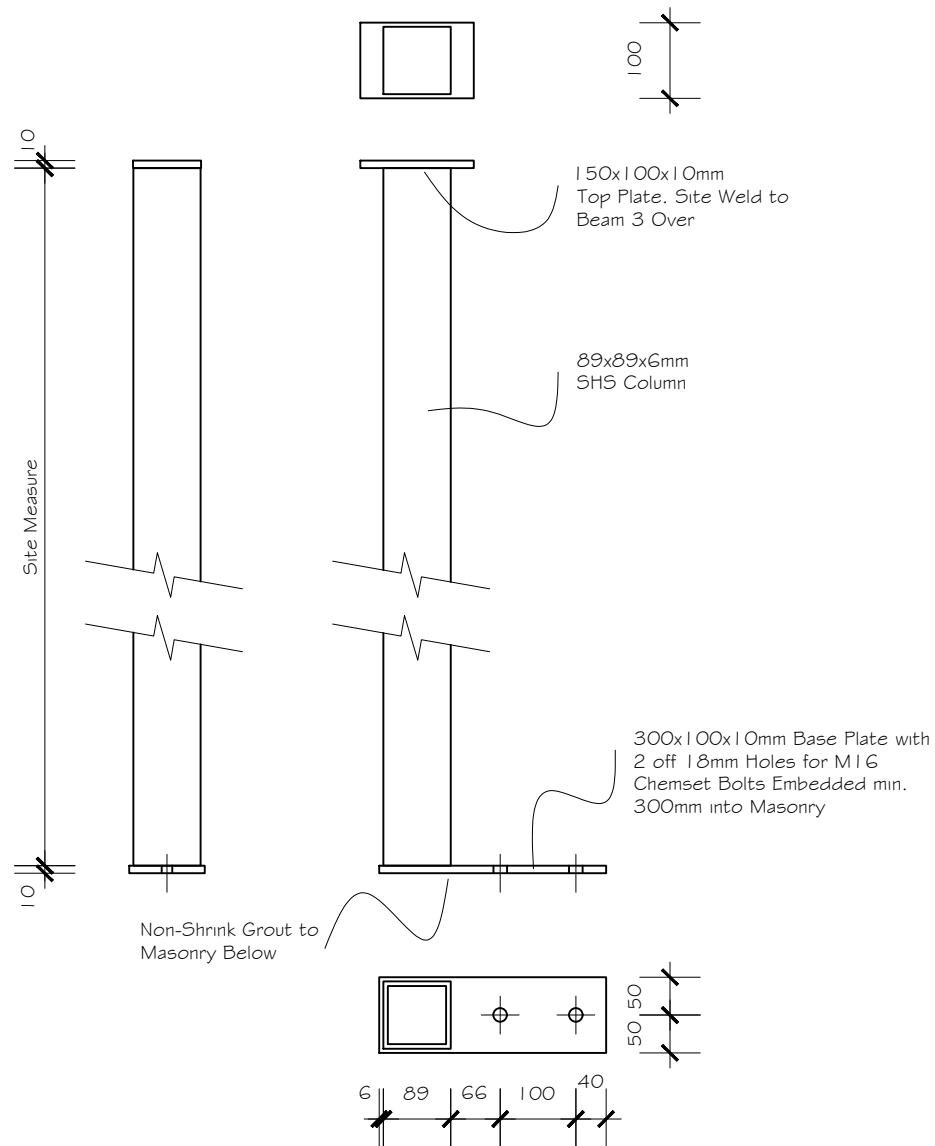
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STEEL POST DETAIL
SCALE 1:10

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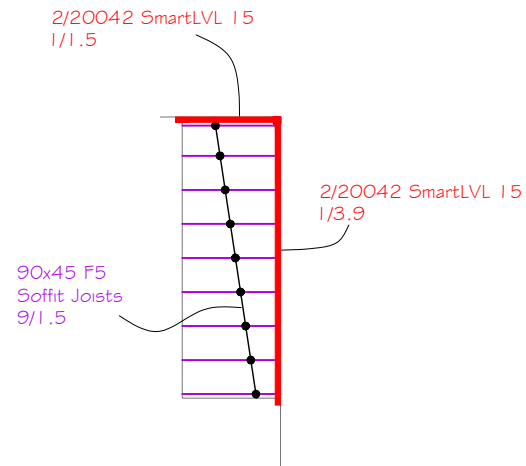
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BALCONY BEAM & SOFFIT DETAIL
SCALE 1:100

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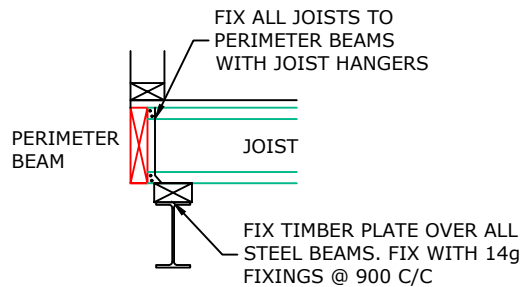
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AMENDED - 13.10.17 MJB
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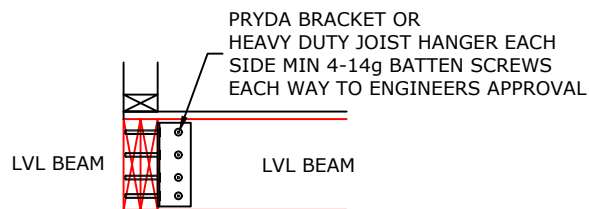
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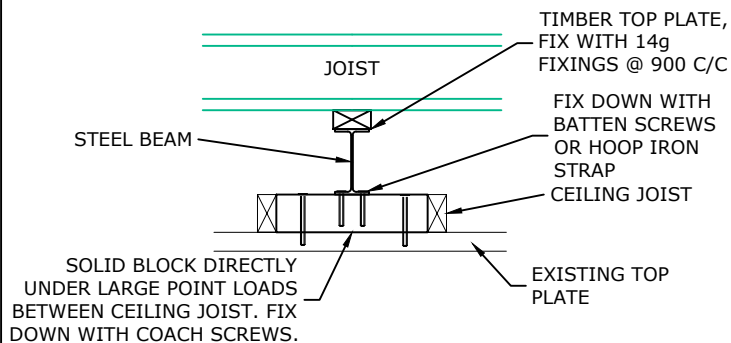




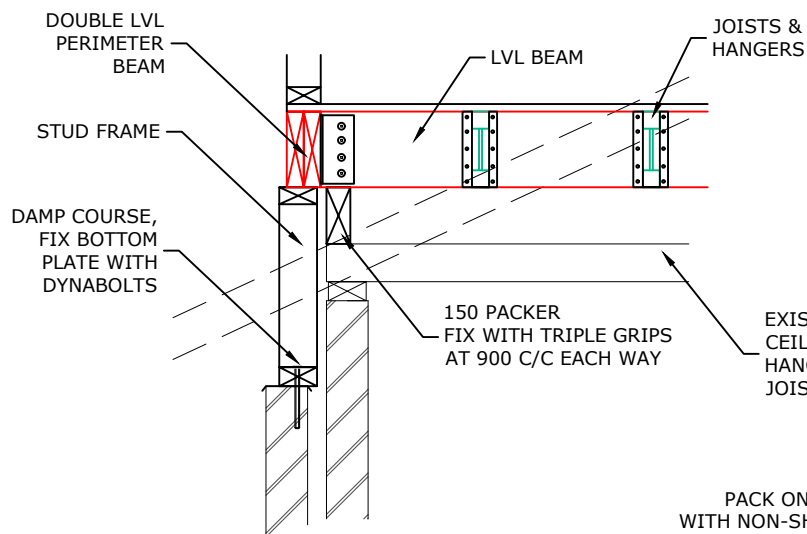
TYPICAL JOIST FRAMING DETAIL U.N.O 1:20



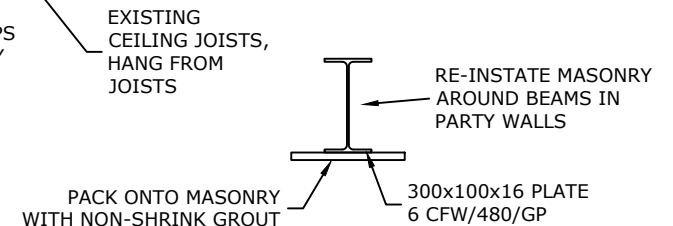
TYPICAL LVL BEAM JUNCTION DETAIL U.N.O 1:20



TYPICAL STEEL BEAM DETAIL 1:20



TYPICAL EXTERNAL WALL SECTION 1:20



300 BEARING PLATE DETAIL 1:20

TIMBER FRAMED BALCONIES:

Fibre Cement Sheeting shall be min. 15mm thick and screwed into floor joists. Water proof membrane shall be installed to all tiled areas by others. Flashing & set-downs to BCA requirements.

TIMBER FRAMING NOTE:

All timber framing, connections, fixings, notches, etc shall be installed in accordance with AS1684-2006: Residential Timber Framed Construction (non-cyclonic areas) and the current edition of the Building Code of Australia. Double LVL (of same depth and width as floor joists) shall be installed under all load bearing walls & columns over, UNO. Floor joist centers shall be closed up to 300mm max. in tiled floor areas.

STEEL CONNECTION NOTE:

All structural steel bolt holes shall not exceed a diameter 2mm greater than that of the given bolt diameter. All column base plate bolt holes shall not exceed a diameter 6mm greater than that of the given bolt diameter. All base plate bolt holes exceeding 3mm but not more than 6mm greater in diameter than the given bolt will require a 4mm thick base plate washer to be installed. Elongated or protruded bolt holes are not approved. The minimum pitch, or the distance between the centres of the bolt holes, in any given plate or cleat shall not be less than 2.5 times the diameter of the given bolt. The minimum edge distance from the centre of the bolt hole to the edge of the given plate or cleat for all standard bolt holes shall not be less than 1.5 times the diameter of the given bolt or 30mm, whichever is greater.

DURABILITY NOTE:

All LVL timbers shall be protected from the environment. Steel beams and columns shall be protected from corrosion using paint protection or galvanising in accordance with Australian Standards. If development is in a bushfire zone all exposed timber members shall be F17 grade hardwood. If steel beams and posts are designated to be galvanised end plates, cap plates and base plates shall also be galvanised. All nuts and bolts shall be galvanised or marine grade stainless steel.

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