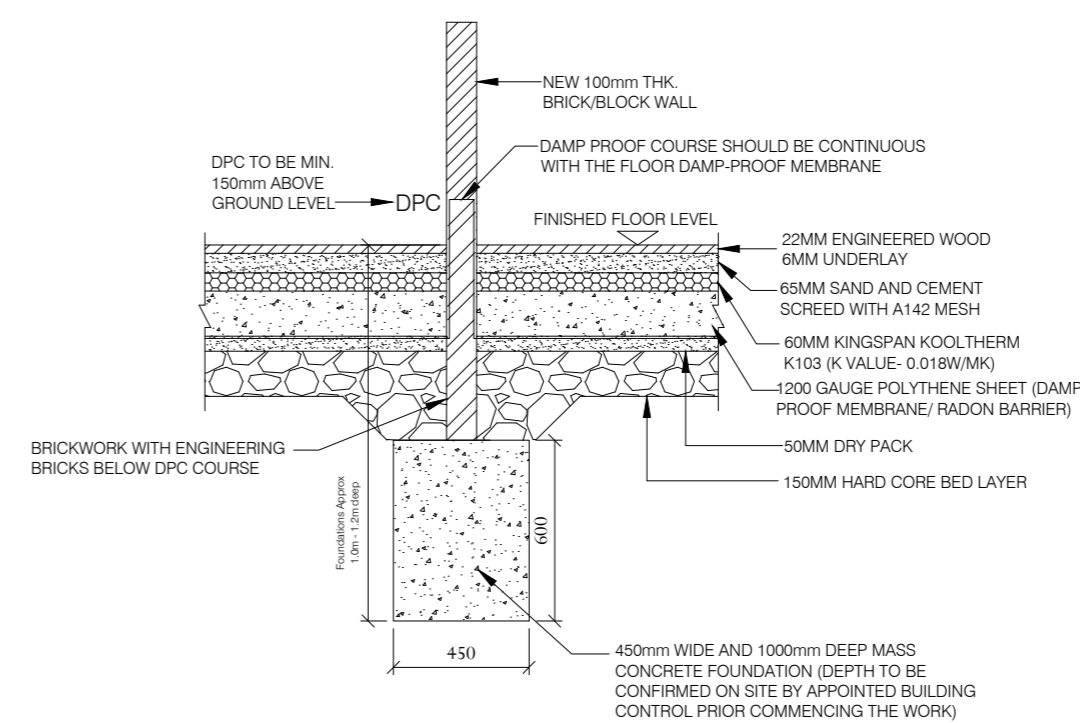
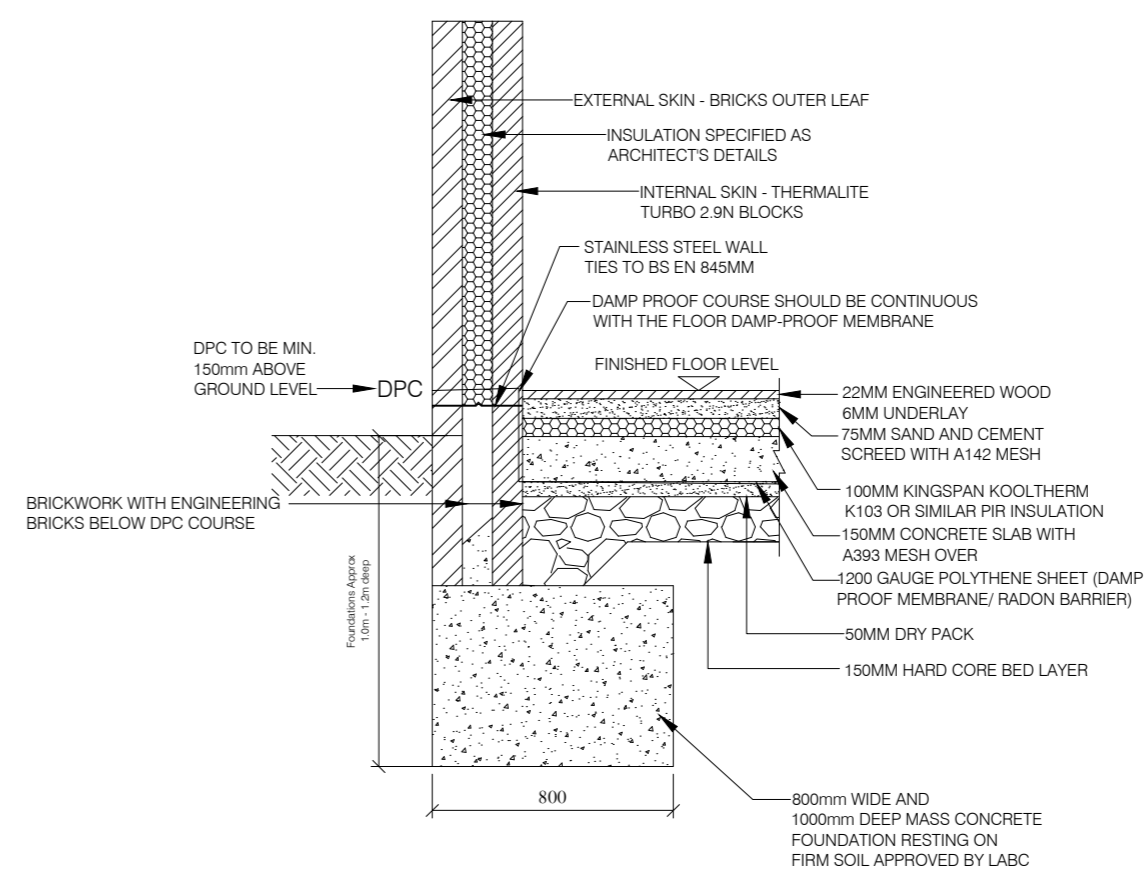


**300mm THK. CAVITY WALL**  
**CONCENTRIC FOUNDATION**  
(WITH GROUND BEARING SLAB)



**100mm THK. SOLID WALL**  
**CONCENTRIC FOUNDATION DETAIL**  
(WITH GROUND BEARING SLAB)



**300mm THK. CAVITY WALL**  
**ECCENTRIC FOUNDATION**  
(WITH GROUND BEARING SLAB)

**LEGENDS**

- NEW PITCH ROOF JOIST / RAFTER
- NEW FLAT ROOF JOISTS
- TIMBER FLOOR JOISTS
- TIMBER POST (TP)
- STEEL HOLLOW SECTION COLUMN
- STEEL COLUMN
- MASS CONCRETE PADSTONE (P)
- REINFORCED LINTEL BEAM (LB)
- STEEL BEARING PLATE (SB)
- STEEL FLOOR / ROOF / LINTEL BEAMS
- TIMBER FLOOR JOIST / RAFTER / TRIMMER
- ROOF OUTLINE
- NEW TIMBER LOAD BEARING WALLS
- NEW TIMBER NON LOAD BEARING WALLS
- EXISTING WALLS
- 300MM THK CAVITY WALL WITH 90MM CAVITY

- NOTES :**
- MEASUREMENTS TO BE TAKEN ONSITE PRIOR TO ORDERING STRUCTURAL ELEMENTS
  - ALL STRUCTURAL ELEMENTS INCLUDING STAIRS POSITIONS TO BE MARKED BEFORE COMMENCEMENT OF WORK. STRUCTURAL ENGINEER TO BE NOTIFIED OF ANY REQUIRED CHANGES
  - WORK SHOULD ONLY COMMENCE AFTER APPROVAL FROM BUILDING CONTROL
  - IT IS THE RESPONSIBILITY OF THE OWNER TO SERVE A PARTY WALL NOTICE IF REQUIRED

**REVISION HISTORY**

Rev ID	ChID	Change Name	Date



64 ST GEORGES ROAD,  
ESSEX, IG1 3PQ  
E: [info@archimedsd.co.uk](mailto:info@archimedsd.co.uk)  
M: +447418321646  
W: [www.archimedsd.co.uk](http://www.archimedsd.co.uk)

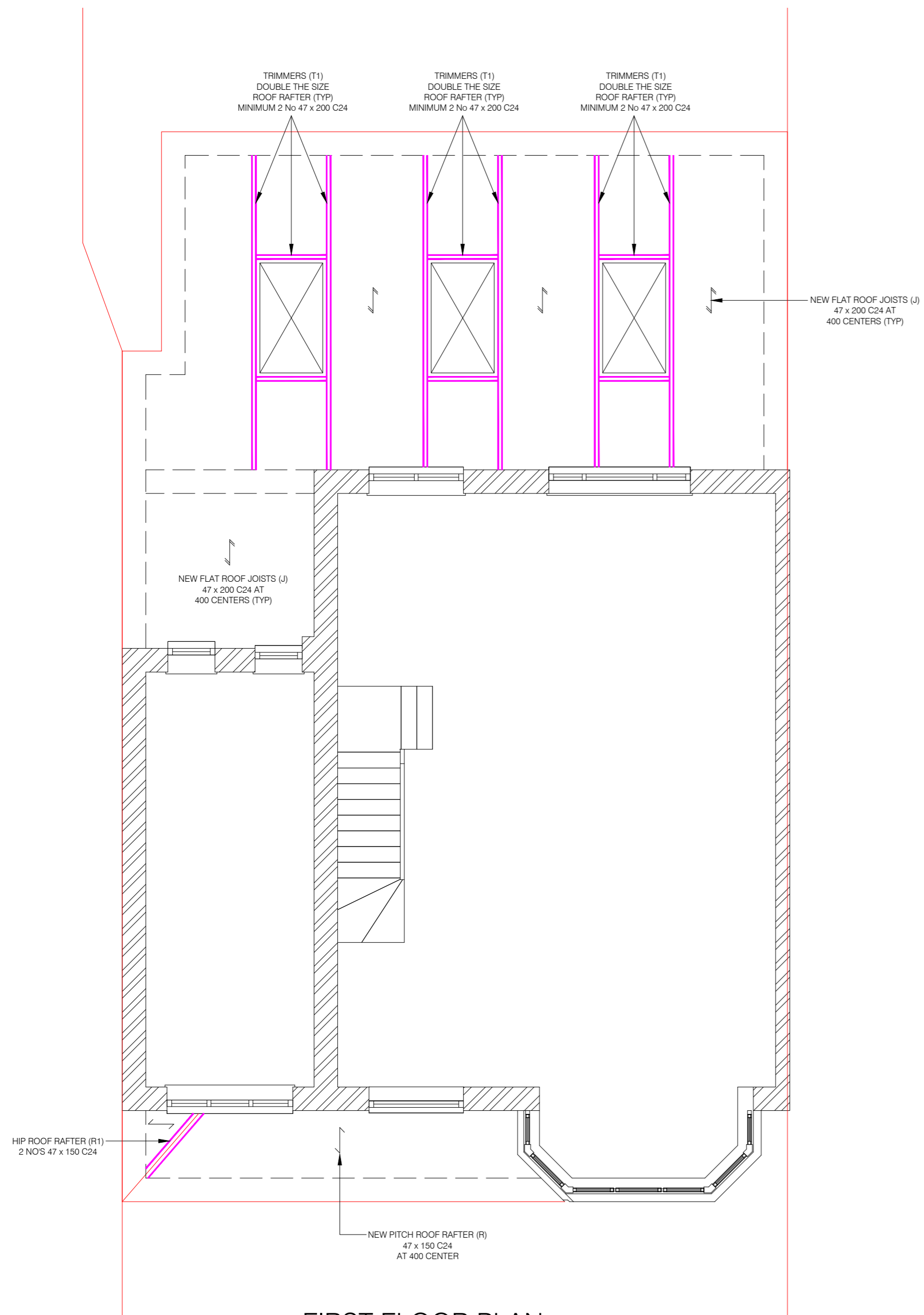
07 LODGE CLOSE, ORPINGTON BR6 0QQ, UK  
Client Name: -

Job Title:  
REAR & FRONT HOUSE EXTENSION  
Drawing Title:  
PROPOSED STRUCTURAL GROUND FLOOR PLAN

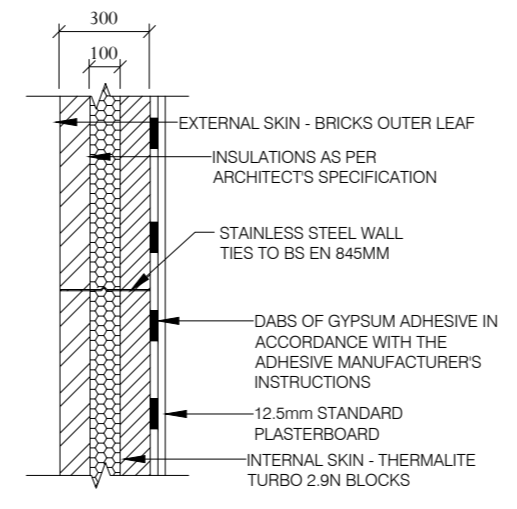
Prepared by  
**SK**  
Checked by  
**GA**  
Date  
19 Dec 2025  
Date  
19 Dec 2025

Drawing number  
**20251212-01**

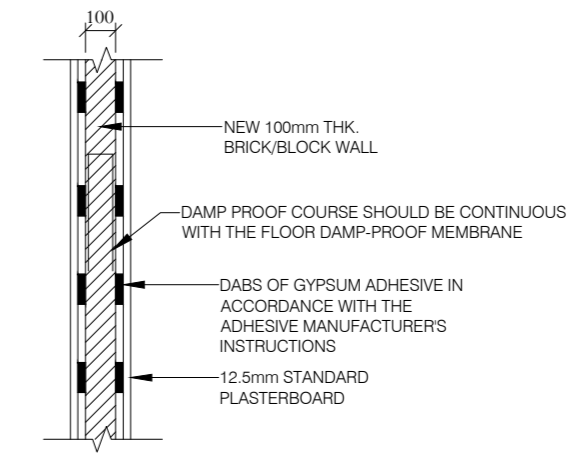
Revision  
**00**  
Drawing Scale  
**1:50 @ A2**



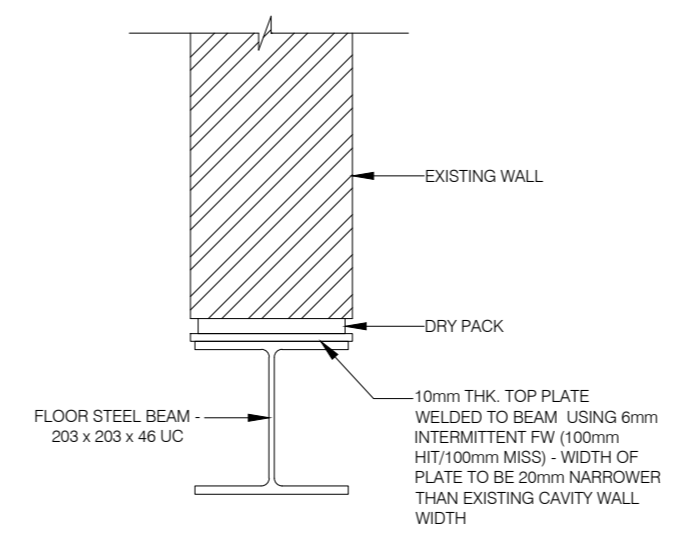
FIRST FLOOR PLAN



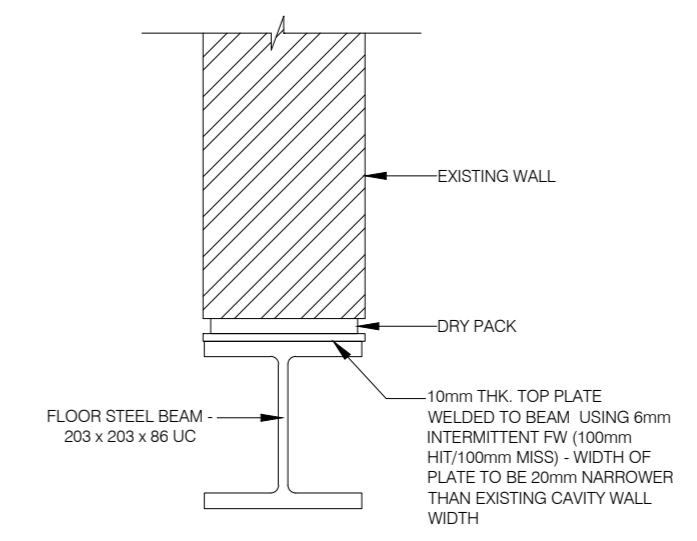
NEW CAVITY WALL DETAIL



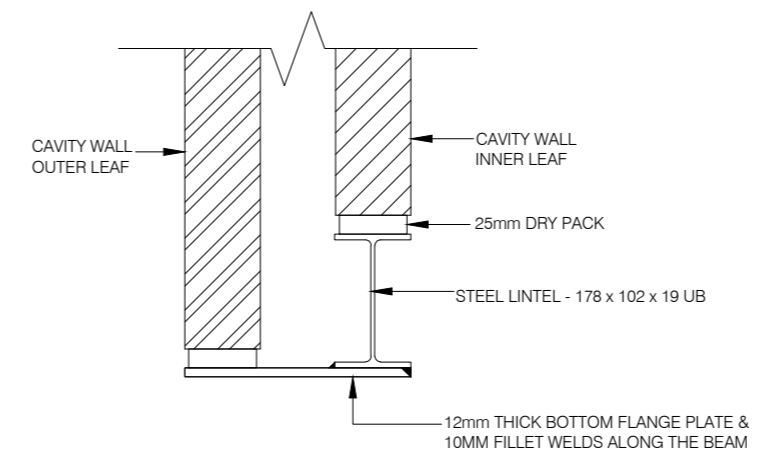
NEW 100mm BRICK/BLOCK WALL DETAIL



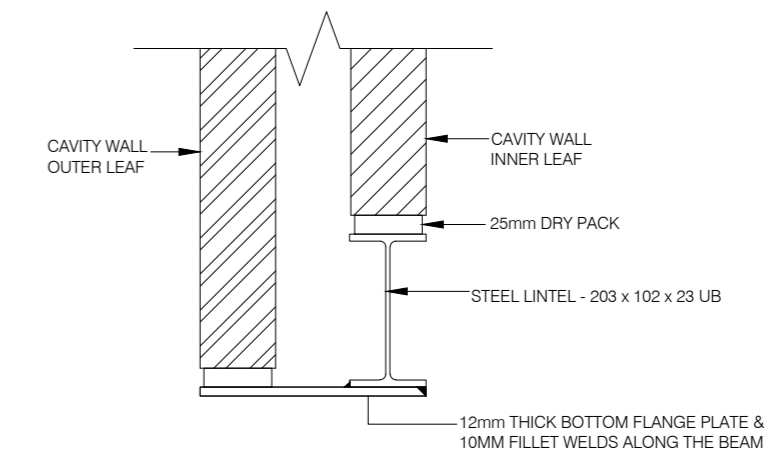
EXISTING WALL SUPPORTING BEAM DETAILS



EXISTING WALL SUPPORTING BEAM DETAILS



LINTEL BEAM DETAILS



LINTEL BEAM DETAILS

LEGENDS

- NEW PITCH ROOF JOIST / RAFTER
- NEW FLAT ROOF JOISTS
- TIMBER FLOOR JOISTS
- TIMBER POST (TP)
- STEEL HOLLOW SECTION COLUMN
- STEEL COLUMN
- MASS CONCRETE PADSTONE (P)
- REINFORCED LINTEL BEAM (LB)
- STEEL BEARING PLATE (SB)
- STEEL FLOOR / ROOF / LINTEL BEAMS
- TIMBER FLOOR JOIST / RAFTER / TRIMMER
- ROOF OUTLINE
- NEW TIMBER LOAD BEARING WALLS
- NEW TIMBER NON LOAD BEARING WALLS
- EXISTING WALLS
- 300MM THK CAVITY WALL WITH 90MM CAVITY

NOTES :

1. MEASUREMENTS TO BE TAKEN ONSITE PRIOR TO ORDERING STRUCTURAL ELEMENTS
2. ALL STRUCTURAL ELEMENTS INCLUDING STAIRS POSITIONS TO BE MARKED BEFORE COMMENCEMENT OF WORK. STRUCTURAL ENGINEER TO BE NOTIFIED OF ANY REQUIRED CHANGES
3. WORK SHOULD ONLY COMMENCE AFTER APPROVAL FROM BUILDING CONTROL
4. IT IS THE RESPONSIBILITY OF THE OWNER TO SERVE A PARTY WALL NOTICE IF REQUIRED

REVISION HISTORY

Rev ID	ChID	Change Name	Date



64 ST GEORGES ROAD,  
ESSEX, IG1 3PQ  
E: info@archimedsd.co.uk  
M: +447418321646  
W: www.archimedsd.co.uk

07 LODGE CLOSE, ORPINGTON BR6 0QQ, UK  
Client Name: -

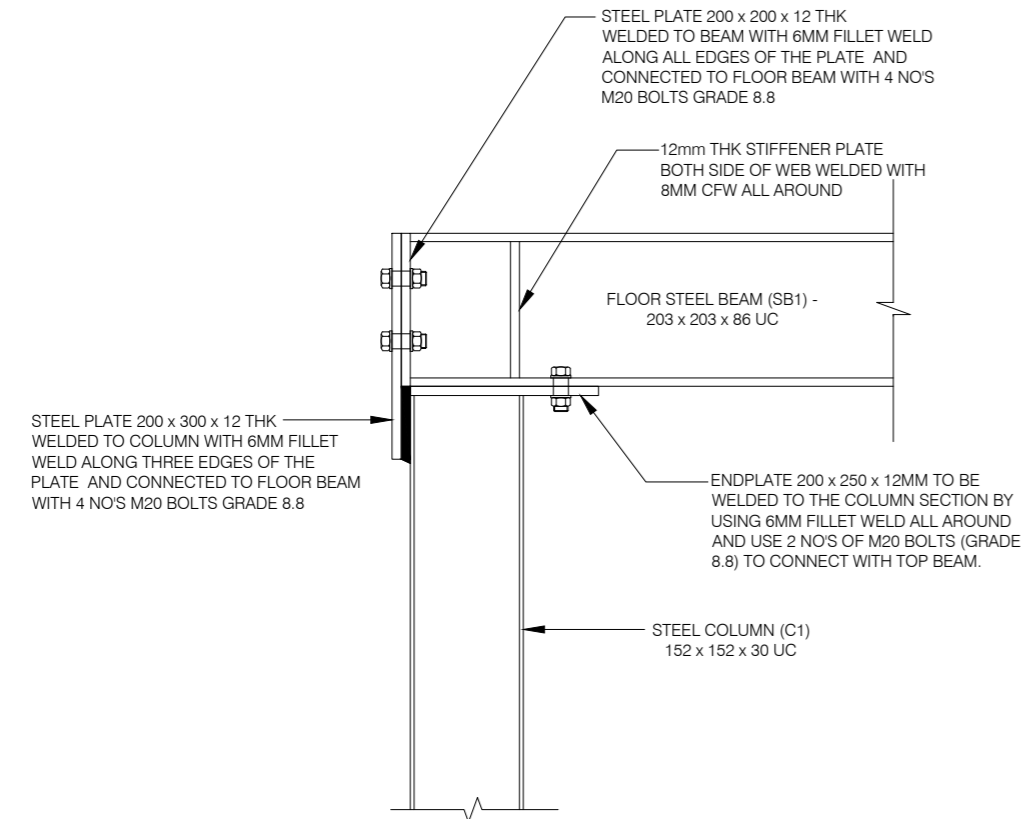
Job Title:  
REAR & FRONT HOUSE EXTENSION

Drawing Title:  
PROPOSED STRUCTURAL FIRST FLOOR PLAN

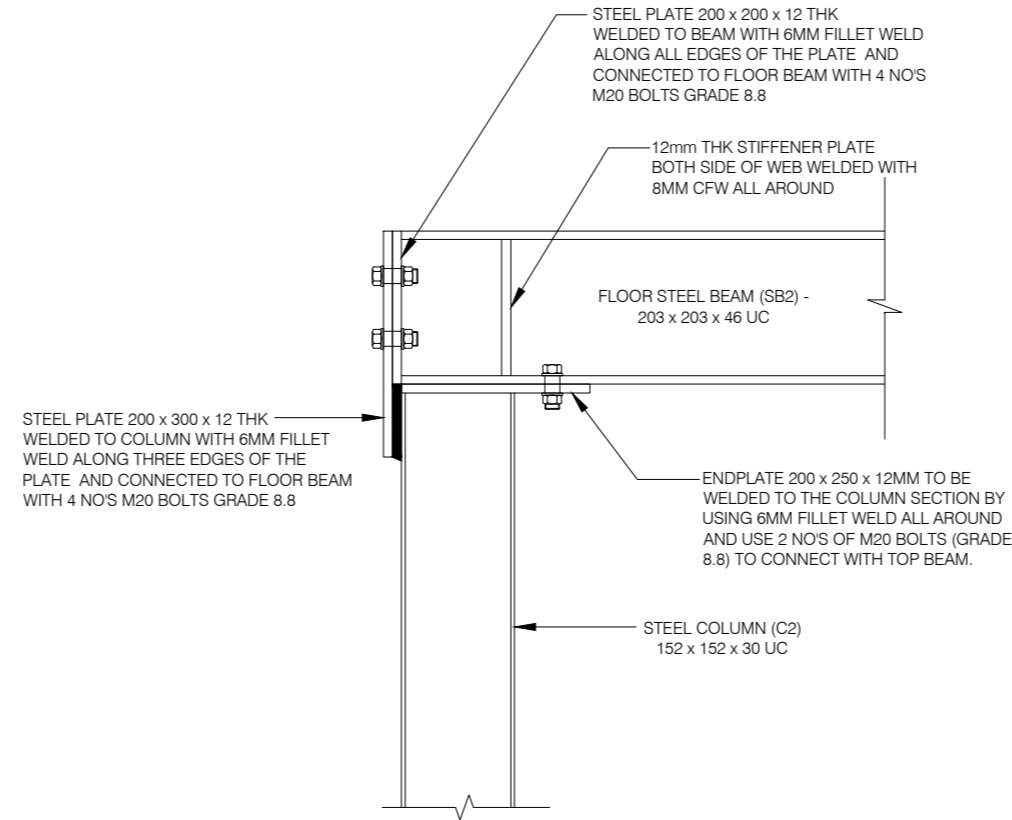
Prepared by	Date
SK	19 Dec 2025
Checked by	Date
GA	19 Dec 2025

Drawing number  
20251212-02

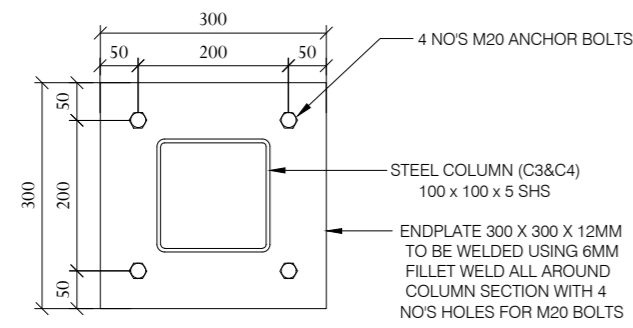
Revision	Drawing Scale
00	1:50 @ A2



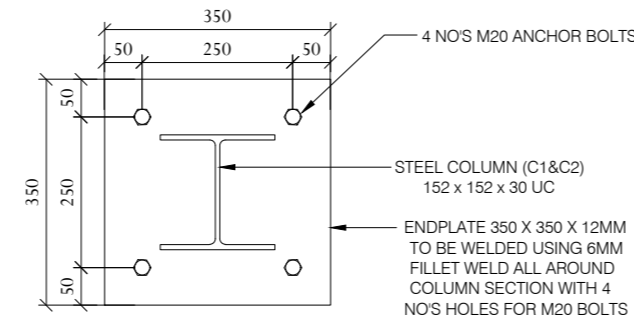
**STEEL COLUMN (C1) TO STEEL BEAM CONNECTION DETAILS**



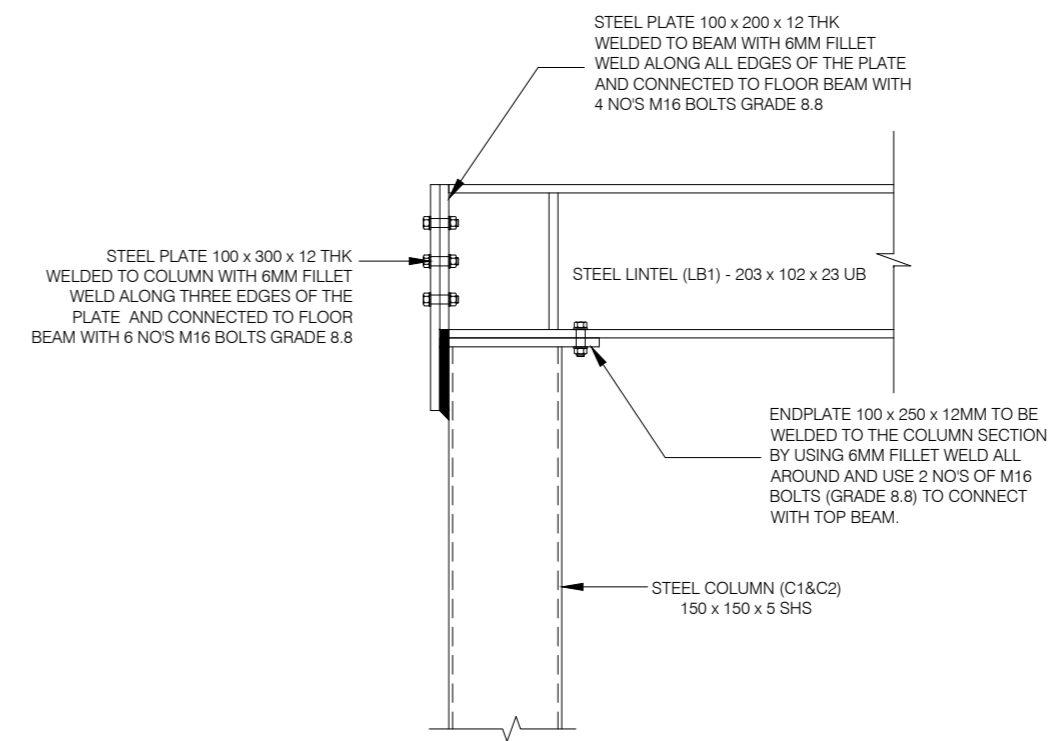
**STEEL COLUMN (C2) TO STEEL BEAM CONNECTION DETAILS**



**STEEL COLUMN (C3&C4) ENDPLATE DETAIL**



**STEEL COLUMN (C1&C2) ENDPLATE DETAIL**



**STEEL COLUMN (C3&C4) TO STEEL BEAM CONNECTION DETAILS**

- NOTES :
1. MEASUREMENTS TO BE TAKEN ONSITE PRIOR TO ORDERING STRUCTURAL ELEMENTS
  2. ALL STRUCTURAL ELEMENTS INCLUDING STAIRS POSITIONS TO BE MARKED BEFORE COMMENCEMENT OF WORK. STRUCTURAL ENGINEER TO BE NOTIFIED OF ANY REQUIRED CHANGES
  3. WORK SHOULD ONLY COMMENCE AFTER APPROVAL FROM BUILDING CONTROL
  4. IT IS THE RESPONSIBILITY OF THE OWNER TO SERVE A PARTY WALL NOTICE IF REQUIRED

REVISION HISTORY			
Rev ID	ChID	Change Name	Date



64 ST GEORGES ROAD,  
ESSEX, IG1 3PQ  
E: info@archimedsd.co.uk  
M: +447418321646  
W: www.archimedsd.co.uk

07 LODGE CLOSE, ORPINGTON BR6 0QQ, UK  
Client Name: -

Job Title:  
REAR & FRONT HOUSE EXTENSION

Drawing Title:  
PROPOSED STRUCTURAL CONNECTION DETAILS

Prepared by <b>SK</b>	Date 19 Dec 2025
Checked by <b>GA</b>	Date 19 Dec 2025

Drawing number  
**20251212-03**

Revision <b>00</b>	Drawing Scale <b>1:50 @ A2</b>
-----------------------	-----------------------------------

