Scale bar

1:20

400mm 0 400mm 800mm 1200mm 1600mm 2000mm

1:100

2m 0 2m 4m 6m 8m 10m

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This drawing is to be read in conjunction with the specification and all relevant drawings.

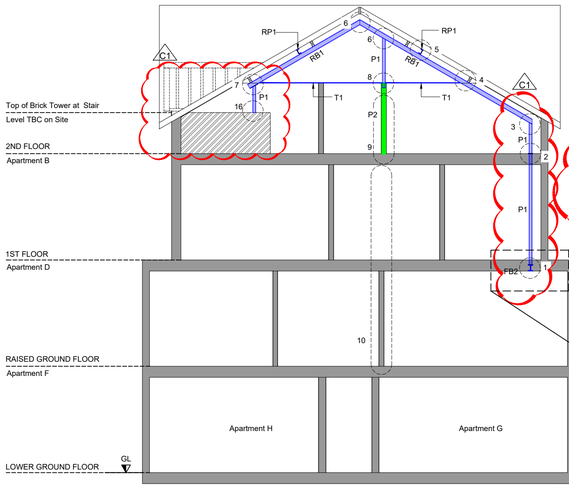
All dimensions to be checked on site prior to commencement of any works.

Refer any discrepancies to the surveyor.

Do not scale from this drawing.

All dimensions are in mm unless otherwise specified.

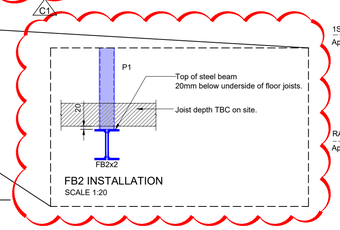
The contractor is responsible for the stability of the building and adjoining structures during construction and shall design, install, adapt and maintain all necessary propping and temporary works. A method statement for the temporary works must be submitted to the contractor administrator for comment before work begins.



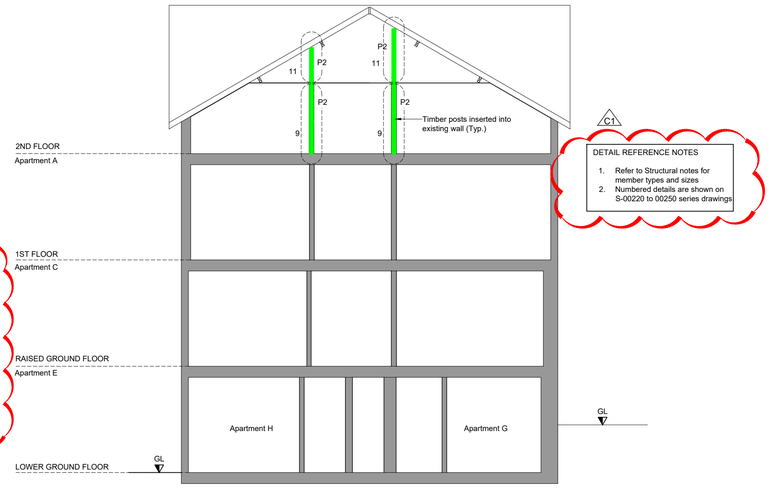
SECTION A-A
SCALE 1:100

DETAIL REFERENCE NOTES

1. Refer to Structural notes for member types and sizes
2. Numbered details are shown on S-00220 to 00250 series drawings



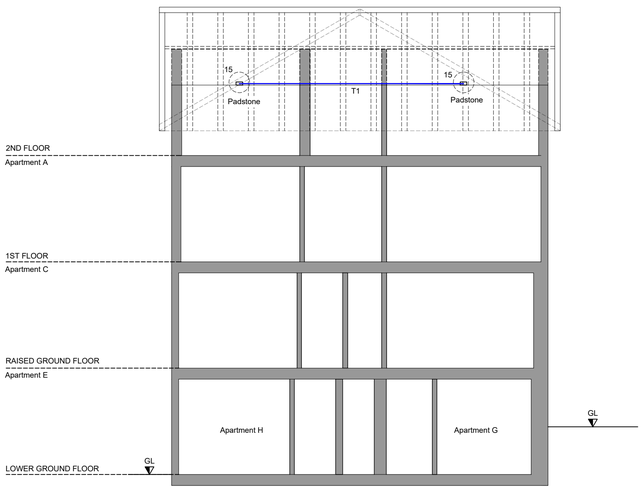
FB2 INSTALLATION
SCALE 1:20



SECTION B-B
SCALE 1:100

DETAIL REFERENCE NOTES

1. Refer to Structural notes for member types and sizes
2. Numbered details are shown on S-00220 to 00250 series drawings



SECTION C-C
SCALE 1:100

EXISTING FLOOR PLANS, ROOF PLAN AND SECTIONS ARE SHOWN INDICATIVELY. ALL DIMENSIONS AND POSITION OF PROPOSED STRUCTURAL ELEMENTS TO BE CONFIRMED ON SITE.

NOTES

Steel members to reinforce slate roof;
i) Grade S275 J0
ii) Sections:
- FB2 - 200x75 PFC
- RB1 - 150x75 PFC
- RP1 - 150x75 PFC
- P1 - 100x100x8.3 SHS
- T1 - 2Ø Steel Rod

iii) Corrosion Protection:
Wire brushed
Primer: ALKYD 80mm
Top Coat: ALKYD 80mm

1. Timber Members:
i) Grade C24
ii) Sections:
- P2 - 100x100 Post

2. Purlins to Gable wall (south facade):
Prop to needles in wall, repair brickwork and place padstone, then pack to support purlin. (4No. Purlins)

MASONRY NOTES

1. Brickwork shall be in accordance with BS5628
2. Mortar to be type (iii)
3. Replacement bricks to be same or better properties than existing

TIMBER NOTES

1. Timber shall be in accordance with BS5268
2. Refer to further notes in structural drawings

TEMPORARY WORKS

1. The contractor is responsible for the stability of the building and adjoining structures during construction and shall design, install, adapt and maintain all necessary propping and temporary works. A method statement for the temporary works must be submitted to the contractor administrator for comment before work begins.
2. Prior to commencing work, the contractor shall provide temporary restraint to a bulge at high level in the south gable wall. Preliminary details are shown in the drawings.

GENERAL CONCRETE NOTES

Concrete UNO to be in accordance with the specification, BS 8500: Part 2 and BS EN 206

Blinding - Grade GEN1
Mass Concrete - Grade GEN3
Reinforced concrete - Grade RC35

50mm concrete blinding is to be placed under all reinforced concrete in contact with the ground

All reinforcement to be high yield, minimum grade 500 N/mm², Type H to BS 8666 UNO.

Maintain c.50mm concrete cover to all steel reinforcement (40mm min.)

Concrete to be fully compacted using mechanical vibration.

The temperature at the time of placing concrete must not be less than 5°C and rising.

Concrete surfaces to be protected with polythene sheeting during specified curing period.

Reinforcement to be clean and free of corrosive pitting, loose rust, ice and substances which may adversely affect the reinforcement bonding to the concrete.

Mesh to be supported on proprietary spacers to maintain a min. of 40mm cover to reinforcement.

STEEL NOTES

All Structural Engineering drawings are to be read with all the relevant construction drawings and specifications.

All materials to comply with the relevant British Standard.

The contractor must allow for tolerance in fabrication and provide all shimming and packing necessary to obtain the correct levels shown on the drawings.

The contractor will be responsible for ensuring that steelwork installed fulfills the design brief and no changes to specification should be made unless expressly instructed by the CA.

All hot rolled steel to be grade S275 J0 or S355 (hollow sections) in accordance with BSEN 10 025.

All welding to be in accordance with BS 5153. Minimum fillet weld to be 6mm. All butt welds should be 'full penetration'. All fillet welds to have 6mm min. leg length, unless noted otherwise.

All bolting to be carried out using grade 8.8 bolts in 2mm clearance holes unless otherwise noted.

All dimensions to be checked on site by the Contractor prior to fabrication and erection of the steelwork.

A minimum of 150mm bearing must be given to steel beams, unless noted on drawings.

External and internal steelwork to be galvanised to BS EN ISO 1461, to receive a min mean coating thickness of 140 micrometers. Preparation: Blast clean to BS EN ISO 8501-1, Prep' grade SA 2.5 followed by chemical cleaning.

All bolted connections are to include a minimum of two M16 bolts per member unless specifically indicated otherwise on details. All bolts are to be grade 8.8 sheradized to BS 4921, class 1. All bolts, nuts and washers are to be to BS 5950 Part 2 clause 2.2. Washers are to be placed beneath the rotated item.

Steelwork fabricated to BS EN 1090-2 (and BS 5950-2001) to special tolerances Appendix B.

Fabrication drawings of steelwork shall be submitted for approval 3 weeks prior to commencement of fabrication.

Drawings shall include general arrangement and detail drawings including all connections.

Mill certifiates shall be included in the submission.

Rev	Date	Amendment	By
C1	24.11.22	Construction Issue	SS
T1	28.06.22	Tender Issue	MO
P1	10.06.22	Preliminary Issue	MO

Revisions

Drawing Status
CONSTRUCTION

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Structural Design
53 Warminster Road
London SE25 4DQ

Client
Addington Capital

Drawing
Proposed Structural Works
Sections

Drawn By MO Checked By ML

Scale As Shown @ A1 Status S01

Project	Originator	Funct.	Spat.	Form	Disci.	Number	Rev
27266	CLT	XX	ZZ	D	S	00201	C01

CLUTTONS

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