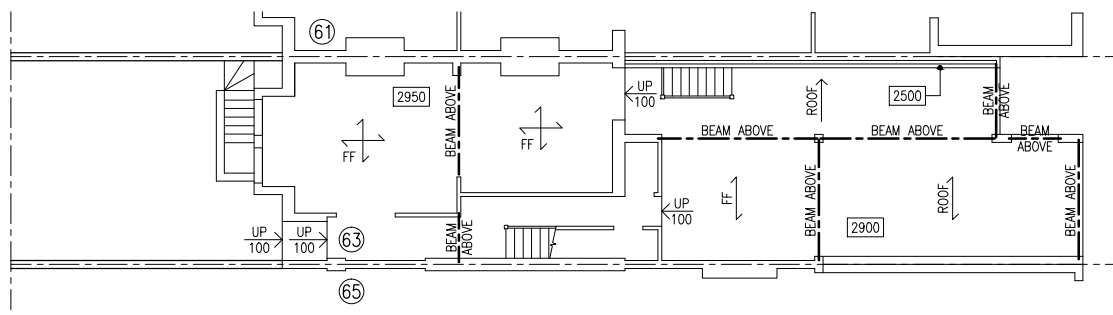
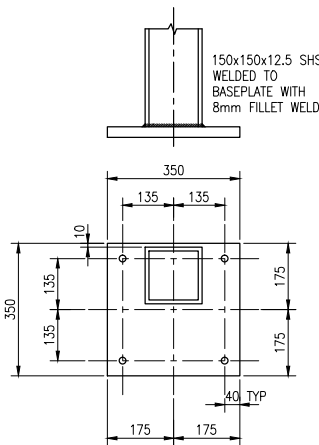


EXISTING BASEMENT FLOOR PLAN
SCALE 1:100



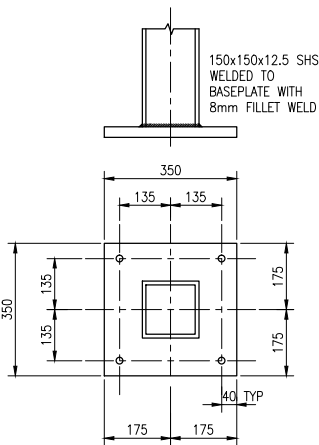
EXISTING GROUND FLOOR PLAN
SCALE 1:100

EXTERNAL AND PARTY WALLS 330mm OR
215mm MASONRY. INTERNAL WALLS
100mm MASONRY UNO.



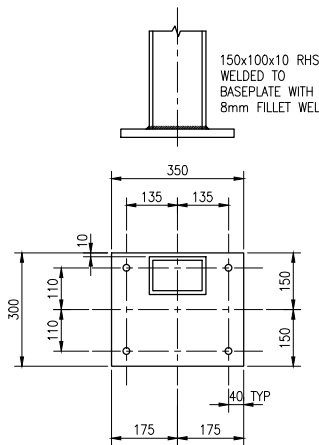
28mm THK BASEPLATE.
4 No. 18mm DIA HOLES TO
RECEIVE 16mm DIA H.D. BOLTS

COLUMNS B1 & B2
SCALE 1:10



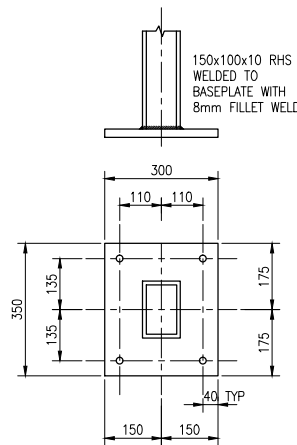
28mm THK BASEPLATE.
4 No. 18mm DIA HOLES TO
RECEIVE 16mm DIA H.D. BOLTS

COLUMNS BC3 & BC4
SCALE 1:10



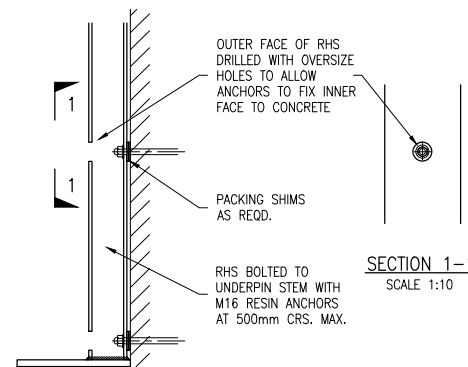
22mm THK BASEPLATE.
4 No. 18mm DIA HOLES TO
RECEIVE 16mm DIA H.D. BOLTS

COLUMNS BC5 & BC6
SCALE 1:10



22mm THK BASEPLATE.
4 No. 18mm DIA HOLES TO
RECEIVE 16mm DIA H.D. BOLTS

COLUMN BC7
SCALE 1:10



COLUMNS BC1, BC2, BC5 & BC6
SCALE 1:10

ALL WALLS SHALL BE STRAPPED TO FLOOR JOISTS WITH 30x5
GALVANISED MILD STEEL STRAPS AT NOT MORE THAN 2000mm
CENTRES. WHERE A WALL IS PARALLEL WITH THE JOISTS, EACH
STRAP SHALL BE FIXED TO A MINIMUM OF 3 JOISTS AND SOLID
NOGGINs SHALL BE PROVIDED AT STRAP POSITIONS, BETWEEN
EACH JOIST AND BETWEEN WALL AND THE FIRST JOIST.

STRUCTURAL STEELWORK

- ALL STRUCTURAL STEELWORK SHALL BE MILD STEEL AND
PAINTED WITH 1 COAT OF RED OXIDE AT THE FABRICATION
WORKS AND 1 COAT ON SITE AFTER ERECTION, EACH COAT
WITH A DRY FILM THICKNESS OF NOT LESS THAN 50
MICRONS. STEELWORK TO BE ENCASED IN CONCRETE
SHALL BE UNPAINTED.
- ALL STEELWORK CONNECTION DESIGNS AND FABRICATION
DETAILS SHALL BE PREPARED BY THE APPOINTED
SPECIALIST STEELWORK CONTRACTOR UNLESS OTHERWISE
NOTED.
- FACTORED BEAM REACTIONS GREATER THAN 60kN ARE
SHOWN THUS (152).
- UNLESS NOTED OTHERWISE THIS PROJECT SHALL BE
CONSIDERED AS EXECUTION CLASS EXC2 TO BS EN
1090-2 FOR THE STRUCTURE, THE COMPONENTS AND THE
DETAIL.
- ALL FABRICATED STEELWORK DELIVERED TO THE SITE SHALL
BE CE MARKED AND THE STEELWORK SUPPLIER AND/OR
MANUFACTURER SHALL HAVE EXC2 CAPABILITY OR HIGHER.

NOTE:

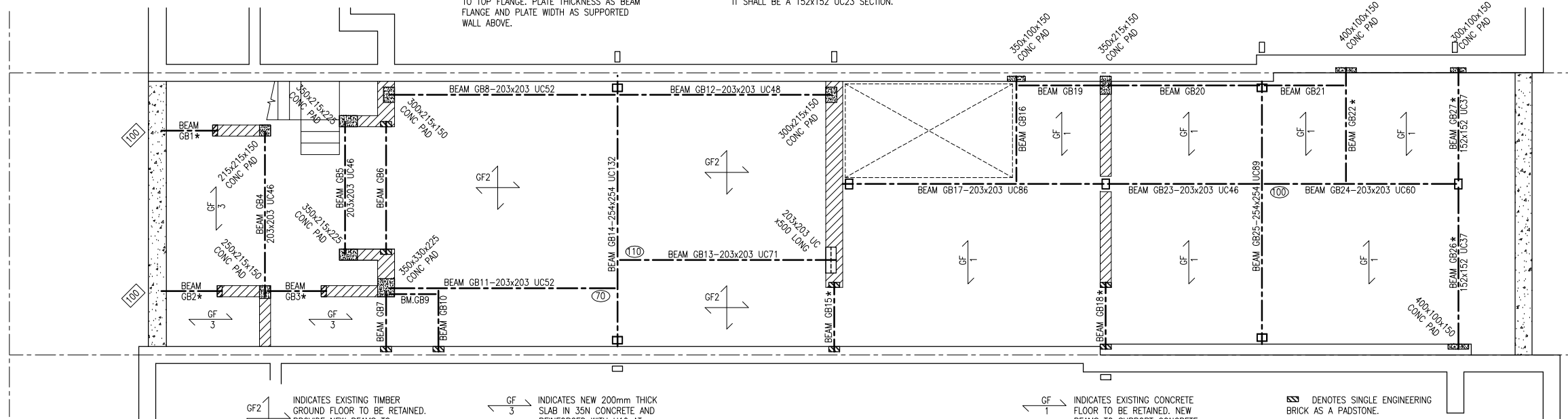
THE ANTICIPATED DEFLECTION IN LONGER SPAN BEAMS HAS
BEEN MINIMISED BY DESIGN BUT CAN STILL BE SIGNIFICANT
ENOUGH TO CAUSE DAMAGE TO THE SUPPORTED STRUCTURE.

IN ORDER TO REDUCE THIS EFFECT THE BEAMS SHOULD BE
PRE-CAMBERED BY THE MANUFACTURER.

ALTERNATIVELY THE BEAM CAN BE PRE-LOADED ON SITE PRIOR
TO PACKING BETWEEN THE BEAM AND THE STRUCTURE ABOVE
AND THE SUBSEQUENT REMOVAL OF THE TEMPORARY PROPPING.

* DENOTES STEEL PLATE WELDED CENTRALLY
TO TOP FLANGE. PLATE THICKNESS AS BEAM
FLANGE AND PLATE WIDTH AS SUPPORTED
WALL ABOVE.

WHERE A BEAM IS NOT SIZED ON THE PLAN
IT SHALL BE A 152x152 UC23 SECTION.



INDICATES EXISTING TIMBER
GROUND FLOOR TO BE RETAINED.
PROVIDE NEW BEAMS TO
REPLACE SLEEPER WALLS AS
REQUIRED. NEW BEAMS SHALL
BE 152x152 UC23 UP TO 4.5m SPAN
OR 152x152 UC30 UP TO 5.0m SPAN

INDICATES NEW 200mm THICK
SLAB IN 35N CONCRETE AND
REINFORCED WITH H10 AT
200mm CENTRES BOTTOM (40mm COVER)
AND H10 AT 300mm CENTRES TOP (40mm
COVER). PROVIDE H10 DISTRIBUTION BARS
AT 300mm CENTRES TOP AND BOTTOM.

INDICATES EXISTING CONCRETE
FLOOR TO BE RETAINED. NEW
BEAMS TO SUPPORT CONCRETE
SLAB AS REQUIRED SHALL BE:-
152x152 UC23 UP TO 4.0m SPAN
152x152 UC30 UP TO 4.5m SPAN
BEAMS TO BE AT MAXIMUM 600mm CENTRES
BUT NEVER MORE THAN 200mm FROM
EXISTING WALLS.

DENOTES SINGLE ENGINEERING
BRICK AS A PADSTONE.

DENOTES LENGTH OF BEAM
BEARING ONTO CONCRETE
WALL

PROPOSED BASEMENT FLOOR PLAN
SCALE 1:50

NOTES

- THIS DRAWING REMAINS THE COPYRIGHT OF
MMP DESIGN AND IS NOT TO BE COPIED,
ALTERED OR CHANGED WITHOUT PERMISSION.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS
OTHERWISE NOTED.
- DO NOT SCALE OFF THIS DRAWING.
- ALL TEMPORARY WORKS SHALL BE THE
RESPONSIBILITY OF THE MAIN CONTRACTOR
BUT SHOULD ADVICE BE GIVEN BY THE
ENGINEER, NO RESPONSIBILITY WILL BE
ACCEPTED UNLESS THE ADVICE IS CONFIRMED
IN WRITING BY THE CONTRACTOR PRIOR TO
THE WORKS BEING CARRIED OUT
- THE CONTRACTOR SHALL BE RESPONSIBLE
FOR THE STABILITY OF THE EXISTING
STRUCTURE AND EARTHWORKS ON THE SITE
AND ADJOINING SITES AND MUST TAKE ALL
NECESSARY PRECAUTIONS TO SAFEGUARD THIS.
ADEQUATE SHORING SHALL BE INSTALLED
DURING THE WORKS TO ENSURE STABILITY OF
THE STRUCTURE AND SUCH SHORING IS TO
BE ADEQUATELY FOUNDED.
- ANY DEVIATION FROM THE DETAILS SHOWN
MUST BE NOTIFIED TO THE ENGINEER BY THE
CONTRACTOR IN WRITING BEFORE BEING
CARRIED OUT.
- THE LOCAL AUTHORITY'S BUILDING INSPECTOR
AND THE ENGINEER ARE TO BE INFORMED BY
THE CONTRACTOR IN WRITING AT LEAST 48
HOURS PRIOR TO THE WORKS STARTING ON
SITE AND THEIR AGREEMENT OBTAINED THAT
WORK CAN COMMENCE.
- FIRE PROTECTION TO ALL STRUCTURAL
MEMBERS SHALL ACHIEVE NOT LESS THAN A 1
HOUR STANDARD.
- ALL NEW STRUCTURAL TIMBER SHALL BE
GRADE SC4 (OR C24) TO BS. 4978 UNLESS
OTHERWISE NOTED AND SHALL BE TREATED
WITH AN APPROVED TIMBER PRESERVATIVE,
INCLUDING CUT ENDS AND NOTCHES.
- THE CONCRETE MIX FOR PADSTONES SHALL
BE A 1:4 MIX.
- BRICKWORK SHALL BE CONSTRUCTED USING
BRICKS WITH A MINIMUM CRUSHING STRENGTH
OF 27.5N/mm² AND BLOCKWORK SHALL BE
CONSTRUCTED USING BLOCKS WITH A MINIMUM
CRUSHING STRENGTH OF 4.0N/mm² UNLESS
OTHERWISE NOTED. ALL MASONRY SHALL BE
LAID IN CLASS (iii) MORTAR.

Rev. Revision Date



Client
Project
63 GOLDHURST TERRACE
LONDON
NW6 3HB

Title
PROPOSED BASEMENT EXTENSION
AND ALTERATIONS
STRUCTURAL DETAILS - SHEET 1

Drawing Status:
BUILDING REGULATIONS

Date: SEPT/2015 Drawn by: AFB
Scales: AS NOTED AT A1 Checked:

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