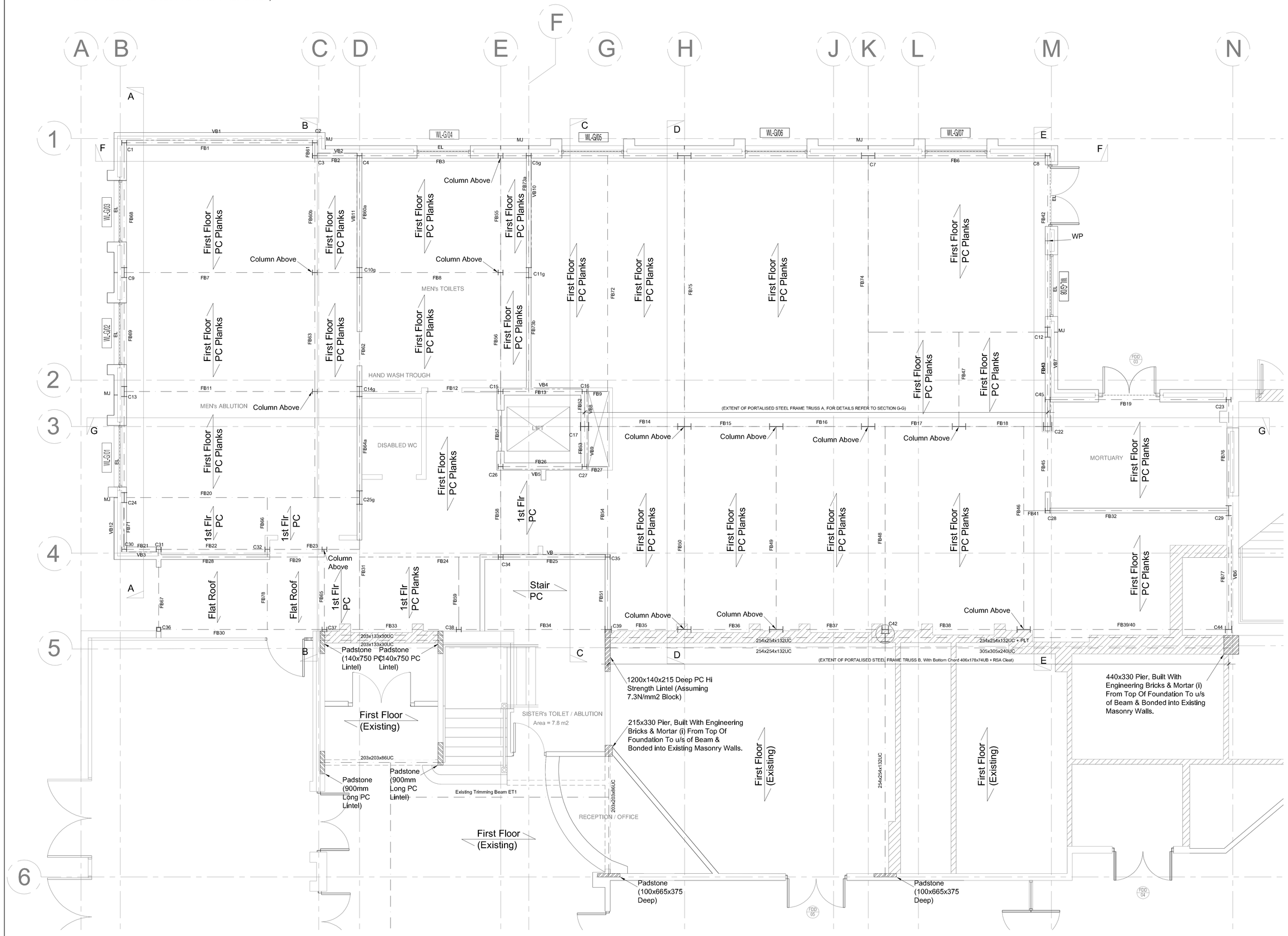
PROPOSED GROUND FLOOR PLAN

(Showing Proposed Structures Over)

PLT = 15 MM THK MS PLATE WELDED TO BOTTOM FLANGE OF BEAMS TO SUPPORT THE PC PLANKS.

RSA = ROLLED STEEL ANGLES WELDED TO WEBS OF BEAMS TO SUPPORT THE PC PLANKS. (SOME ANCILLARY MEMBER SIZES, I.E. WIND-POSTS, LINTELS, PARAPET SUPPORTS, STEEL BEAMS CONNECTION FORCES AND ETC WILL BE FINALISED AND CONFIRMED LATER).



Size of Steel Beams Above First Floor:

Ref.	Size	Note
RB1	254x146x37UB	Horizontal. With Parapet Support & Packer.
RB2	254x102x22UB	Horizontal. With Packer to oneside.
RB3	254x102x25UB	Horizontal. With Packer to oneside.
RB4	254x146x31UB	Horizontal. With Packer to oneside.
RB5	254x146x31UB	Horizontal. With Packer to oneside.
RB6	254x146x31UB	Horizontal. With Packer to oneside.
RB7	254x146x37UB	Horizontal. With Packers to both sides.
RB8	254x146x37UB	Horizontal. With Packers to both sides.
RB9	254x146x37UB	Horizontal. With Packers to both sides.
RB10	254x146x37UB	Horizontal. With Packers to both sides.
RB11	254x146x37UB	Horizontal. With Packers to both sides.
RB12	254x146x31UB	Horizontal. With Packers to both sides.
RB13	254x146x31UB	Horizontal Ridge. With Packers to both sides.
RB14a	356x171x67UB	Frame A, Ridge. With Packers to both sides.
RB15a	356x171x67UB	Frame A, Ridge. With Packers to both sides.
RB16a	356x171x67UB	Frame A, Ridge. With Packers to both sides.
RB17a	356x171x67UB	Frame A, Ridge. With Packers to both sides.
RB18a	356x171x67UB	Frame A, Ridge. With Packers to both sides.
RB14b	356x171x67UB	Frame A, Bottom Chord of Truss.
RB15b	356x171x67UB	Frame A, Bottom Chord of Truss.
RB16b	356x171x67UB	Frame A, Bottom Chord of Truss.
RB17b	356x171x67UB	Frame A, Bottom Chord of Truss.
RB18b	356x171x67UB	Frame A, Bottom Chord of Truss.
RB19	254x146x31UB	Horizontal. With Parapet Support & Packer.
RB20	254x146x31UB	Horizontal. With Packers to both sides.
RB21	254x102x22UB	Horizontal. With Parapet Support & Packer.
RB22	254x102x22UB	Horizontal. With Parapet Support & Packer.
RB23	254x146x31UB	Horizontal. With Parapet Support & Packer.
RB24	254x146x31UB	Horizontal. With Packers to both sides.
RB25	254x102x22UB	Horizontal. With Packers to both sides.
RB26	254x102x22UB	Horizontal. With Packers to both sides.
RB27	254x102x22UB	Horizontal. With Packers to both sides.
RB28	254x102x22UB	Horizontal. With Packers to both sides.
RB29	254x102x22UB	Horizontal. With Packers to both sides.
RB30	254x102x22UB	Horizontal. With Packers to both sides.
RB31	254x102x22UB	Horizontal. With Packers to both sides.
RB32	254x146x31UB	Horizontal. With Packers to both sides.
RB33	254x102x22UB	Horizontal. With Packer to one side.
RB34	254x102x22UB	Horizontal. With Packer to one side.
RB35	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB36	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB37	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB38	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB39	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB40	305x165x54 UB	Frame B, Top Chord. With Packer to 1 side.
RB41	254x102x22UB	Sloping Member.
RB42	254x146x37UB	Sloping Member.
RB43	254x102x22UB	Sloping Member.
RB44a	254x102x22UB	Sloping Member.
RB44b	254x102x22UB	Horizontal Member.
RB45a	254x102x22UB	Sloping Member.
RB45b	254x102x22UB	Horizontal Member.
RB46a	254x102x22UB	Sloping Member.
RB46b	254x102x22UB	Horizontal Member.
RB47	254x102x28UB	Sloping Member.
RB48	254x102x28UB	Sloping Member.
RB49	254x102x28UB	Sloping Member.
RB50	254x102x28UB	Sloping Member.
RB51	254x102x22UB	Sloping Member.
RB52	254x102x22UB	Sloping Member.
RB53	254x102x22UB	Sloping Member.
RB54	254x102x22UB	Sloping Member.
RB55	254x146x31UB	Sloping Member.
RB56	254x146x31UB	Sloping Member.
RB57	254x102x22UB	Cranked Member.
RB58	254x102x22UB	Sloping Member.
RB59	254x102x25UB	Sloping Member.
RB60	254x102x22UB	Sloping Member.
RB61	254x102x22UB	Horizontal Member.
RB62	254x102x25UB	Sloping Member.
RB63a	254x102x25UB	Sloping Member.
RB63b	254x102x25UB	Horizontal Member.
RB64a	254x102x28UB	Sloping Member.
RB64b	254x102x28UB	Horizontal Member.
RB65	254x102x22UB	Sloping Member.
RB66	254x102x22UB	Horizontal Member.
RB67	254x102x22UB	Horizontal Member.
RB68	254x102x25UB	Horizontal. With Parapet Support & Packer.
RB69	254x102x25UB	Horizontal. With Parapet Support & Packer.
RB70	254x102x25UB	Horizontal. With Parapet Support & Packer.
RB71	254x102x22UB	Horizontal. With Parapet Support & Packer.
RB72	254x102x22UB	Horizontal. With Packers to both sides.
RB73	254x102x22UB	Horizontal. With Packers to both sides.
RB74	305x165x54 UB	Sloping Member.
RB75	305x165x54 UB	Sloping Member.
RB76	254x102x22UB	Horizontal Member.
RB77	254x102x22UB	Horizontal Member.
TM1-8	254x102x22UB	Sloping Member. With Packer to 1 side.
TM9-12	254x146x31UB	Horizontal Member. Packer to Both sides.

Size of Steel Beams Above Ground Floor:

Ref.	Size	Note
FB1	305x127x42 UB	200x100x15 RSA Cleat Welded To Web.
FB2	203x133x25 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB3	254x146x43 UB	200x100x15 RSA Cleat Welded To Web.
FB4	305x165x54 UB	200x100x15 RSA Cleat Welded To Web.
FB5	356x171x67 UB	200x100x15 RSA Cleat Welded To Web.
FB6	305x127x48 UB	200x100x15 RSA Cleat Welded To Web.
FB7	254x254x132 UC	2No. 250x250x25 RSA Cleat (Notched End) Welded To Web.
FB8	254x254x89 UC	2No. 250x250x25 RSA Cleat (Notched End) Welded To Web.
FB9	203x133x25 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB10	203x203x71 UC	450x15 Thk MS Plate Welded To Bottom Flange
FB11	254x254x107 UC	2No. 250x250x25 RSA Cleat (Notched End) Welded To Web.
FB12	203x203x52 UC	450x15 Thk MS Plate Welded To Bottom Flange
FB13	203x203x46 UC	300x15 Thk MS Plate Welded To Bottom Flange
FB14	203x203x86 UC	Frame A, 450x15 Thk MS Plate Welded To Bottom Flange
FB15	203x203x86 UC	Frame A, 450x15 Thk MS Plate Welded To Bottom Flange
FB16	203x203x86 UC	Frame A, 450x15 Thk MS Plate Welded To Bottom Flange
FB17	203x203x86 UC	Frame A, 450x15 Thk MS Plate Welded To Bottom Flange
FB18	203x203x86 UC	Frame A, 450x15 Thk MS Plate Welded To Bottom Flange
FB19	254x146x43 UB	200x100x15 RSA Cleat Welded To Web.
FB20	254x254x89 UC	2No. 250x250x25 RSA Cleat (Notched End) Welded To Web.
FB21	203x133x30 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB22	203x133x30 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB23	254x146x43 UB	2No. 200x100x15 RSA Cleats Welded To Web (1 side short).
FB24	203x203x60 UC	450x15 Thk MS Plate Welded To Bottom Flange
FB25	203x133x30 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB26	203x203x46 UC	300x15 Thk MS Plate Welded To Bottom Flange
FB27	203x133x25 UB	250x15 Thk MS Plate Welded To Bottom Flange
FB28	203x102x23 UB	With Timber Packers Within Flange (One Side).
FB29	203x102x23 UB	With Timber Packers Within Flange (One Side).
FB30	203x102x23 UB	With Timber Packers Within Flange (One Side).
FB31	254x254x73 UC	
FB32	203x203x86 UC	450x15 Thk MS Plate Welded To Bottom Flange
FB33	305x127x48 UB	200x100x15 RSA Cleat Welded To Web.
FB34	254x146x37 UB	
FB35	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB36	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB37	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB38	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB39	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB40	406x178x74 UB	Frame B, With 200x100x15 RSA Cleat Welded To Web.
FB41	203x133x25 UB	400x15 Thk MS Plate Welded To Bottom Flange
RB42	254x146x43 UB	
FB43	203x133x30 UB	
FB44	203x133x30 UB	
FB45	203x133x30 UB	
FB46	254x146x43 UB	
FB47	203x102x23 UB	
FB48	254x146x37 UB	
FB49	254x146x37 UB	
FB50	254x146x37 UB	
FB51a	203x133x30 UB	
FB51b	203x203x46 UC	
FB52	203x203x46 UC	
FB53	203x133x30 UB	
FB54	203x133x30 UB	
FB55	203x133x30 UB	
FB56	203x133x30 UB	
FB57	203x203x46 UC	
FB58	203x133x25 UB	
FB59	203x102x23 UB	
FB60a	203x102x23 UB	
FB60b	203x133x30 UB	
FB61	203x133x25 UB	
FB62	203x102x23 UB	
FB63	203x133x30 UB	
FB64a	203x102x23 UB	
FB64b	203x133x30 UB	
FB65	203x133x30 UB	
FB66	203x102x23 UB	
FB67	203x102x23 UB	
FB68	254x146x31 UB	
FB69	254x146x31 UB	
FB70	254x146x31 UB	
FB71	203x133x25 UB	
FB72	203x203x60 UC	
FB73a	203x102x23 UB	
FB73b	203x102x23 UB	
FB74	254x254x132 UC	
FB75	203x203x86 UC	
FB76	203x133x30 UB	
FB77	203x133x30 UB	
FB78	203x102x23 UB	With Timber Packers Within Flange (One Side).

NOTES

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FOR GENERAL NOTES, TYPICAL SECTIONS AND DETAILS REFER TO DRAWING 1280 - 300.

Steel Column Sizes:

Ref.	Size	Note
C1	152x152x37 UC	Two Storey
C2	152x152x30 UC	C2 & C3 Columns
C3	152x152x30 UC	are combined.
C4	152x152x30 UC	Two Storey
C5f	152x152x23 UC	Above First Floor
C5g	152x152x37 UC	Ground to First Floor
C6	356x171x67 UB	Two Storey
C7	356x171x67 UB	Two Storey
C8	152x152x37 UC	Two Storey
C9	305x165x54 UB	Two Storey
C10f	152x152x23 UC	Above First Floor
C10g	305x165x54 UB	Ground to First Floor
C11f	152x152x23 UC	Above First Floor
C11g	305x165x54 UB	Ground to First Floor
C12	305x165x54 UB	Two Storey
C13	305x165x54 UB	Two Storey
C14f	152x152x23 UC	Above First Floor
C14g	305x165x54 UB	Ground to First Floor
C15	152x152x37 UC	Two Storey
C16	152x152x37 UC	Two Storey
C17	254x254x89 UC	Two Storey, Part of Frame A
C18a & b	356x171x67 UB	Above 1st Floor, Part of Frame A
C19a & b	356x171x67 UB	Above 1st Floor, Part of Frame A
C20a & b	356x171x67 UB	Above 1st Floor, Part of Frame A
C21a & b	356x171x67 UB	Above 1st Floor, Part of Frame A
C22	254x254x89 UC	Two Storey, Part of Frame A
C23	152x152x37 UC	Two Storey
C24	305x165x54 UB	Two Storey
C25g	356x171x67 UB	Ground to First Floor
C26	152x152x37 UC	Two Storey
C27	152x152x37 UC	Two Storey
C28	152x152x37 UC	Two Storey
C29	305x165x54 UB	Two Storey
C30	152x152x23 UC	Two Storey
C31	152x152x23 UC	Two Storey
C32	152x152x30 UC	Two Storey
C33f	152x152x30 UC	Above First Floor
C34	152x152x37 UC	Two Storey
C35	152x152x37 UC	Two Storey
C36	120x120x12.5 SHS	Ground to First Floor
C37	152x152x37 UC	Two Storey
C38	152x152x37 UC	Two Storey
C39	203x203x86 UC	Two Storey, Part of Frame B
C40f	406x178x74 UB	Above 1st Floor, Part of Frame B
C41f	406x178x74 UB	Above 1st Floor, Part of Frame B
C42	203x203x86 UC	Two Storey, Part of Frame B
C43f	406x178x74 UB	Above 1st Floor, Part of Frame B
C44	203x203x86 UC	Two Storey, Part of Frame B
C45	152x152x37 UC	Two Storey, Part of Frame B

Rev	Amendment	By	Date
P1	First Issue, preliminary for comments only.	CST	24.10.13
P2	Preliminary for comments only.	CST	30.12.13
P3	For Tender & Cammments Only.	CST	02.01.14

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Client Hounslow Mosque Trustee Committee

Drawing
STRUCTURAL ENGINEERING
GROUND FLOOR PLAN
SHOWING STRUCTURES ABOVE

Project
Honslow Jamia Mosque

Scale	Date	Approved
as noted @ A0	Sep. 2013	AA

Drawing no. 1280-302 P3

STATUS: TENDER

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