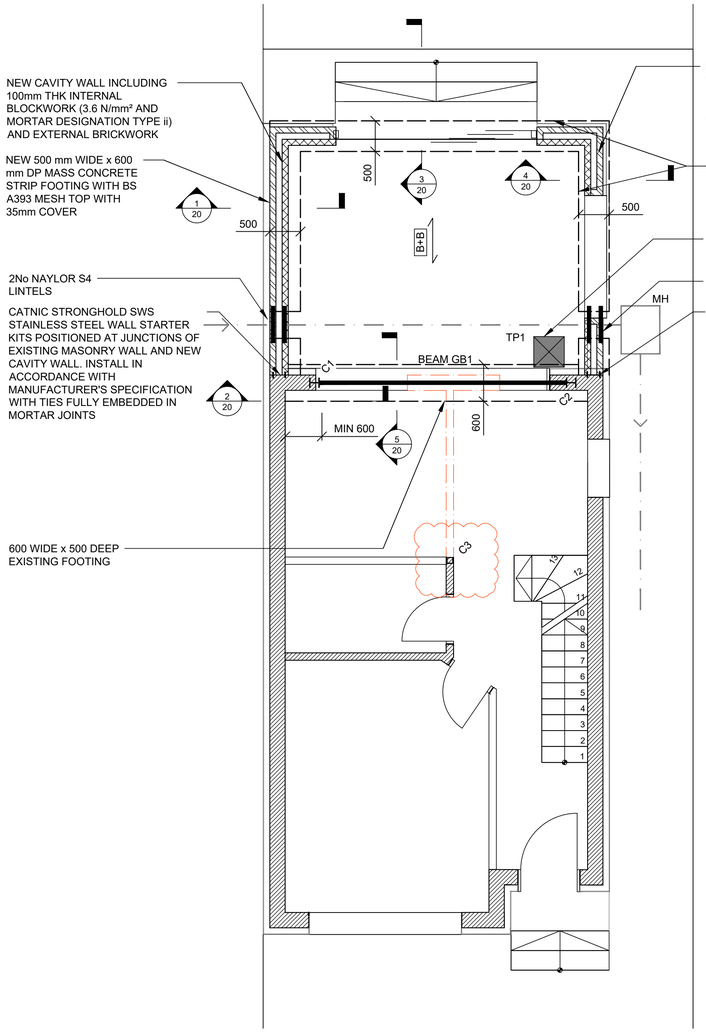
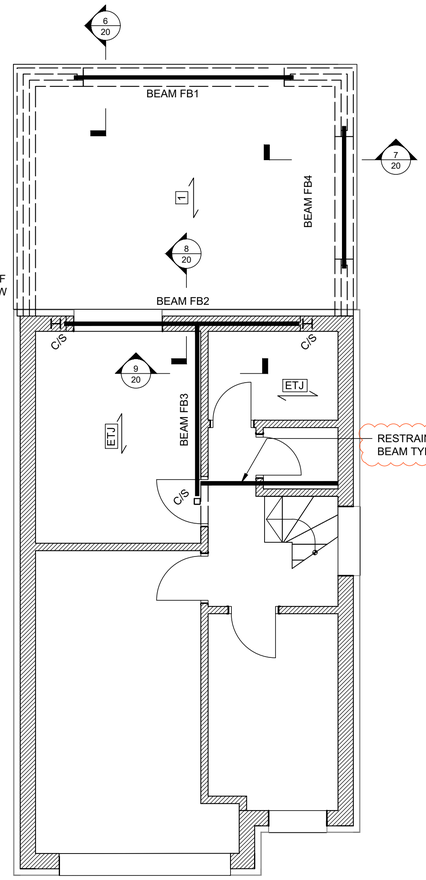




GROUND FLOOR PLAN
(SCALE 1:50)

FIRST FLOOR PLAN
(SCALE 1:50)

STEEL BEAM SCHEDULE					
BEAM REF.	TYPE	SHEAR (kN)	MOMENT (kNm)	END MOMENT (kNm)	COMMENTS
GB1	203x203x46 UC	-	-	-	-
FB1	CATNIC CG 90/100	-	-	-	150mm END BEARING
FB2	203x203x46 UC	-	-	-	-
FB3	152x152x23 UC	-	-	-	-
FB4	CATNIC CG 90/100	-	-	-	150mm END BEARING
TOP OF STEEL TO BE CONFIRMED BY ARCHITECT					

- ALL SHEAR AND MOMENT VALUES ARE ULTIMATE LIMIT STATE
- ALL STEELWORK TO HAVE 1 HOUR FIRE PROTECTION - DETAILS BY ARCHITECT
- ALL STEEL GRADE TO BE S355 U.N.O.

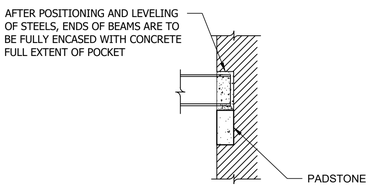
CONCRETE PADSTONE SCHEDULE				
PADSTONE REF.	LENGTH	WIDTH	DEPTH	COMMENTS
PS1	440	100	225	-
ALL PADSTONES TO BE C20 CONCRETE				

STEEL COLUMN SCHEDULE				
COLUMN REF.	TYPE	AXIAL LOAD (kN)	MOMENT (kNm)	COMMENTS
C1	152x152x37 UC	-	-	PART OF MOMENT FRAME
C2	152x152x37 UC	-	-	PART OF MOMENT FRAME
C3	100x100x5 SHS	-	-	-

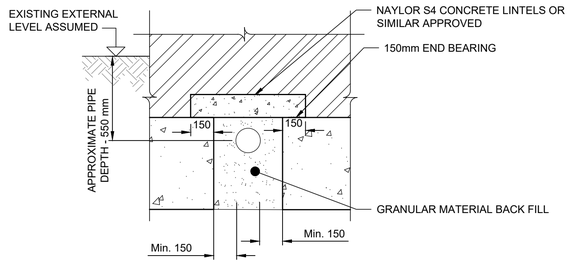
- ALL LOADS ARE FACTORED ULTIMATE LIMIT STATE
- ALL STEELWORK TO HAVE 1 HOUR FIRE PROTECTION - DETAILS BY ARCHITECT
- ALL STEELWORK TO BE GRADE S355

LEGEND:

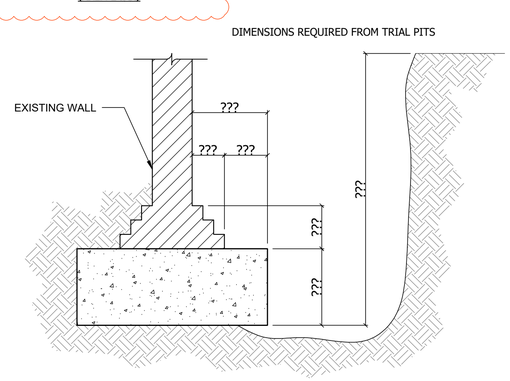
- EXISTING STRUCTURE
- LOAD BEARING BRICKWORK
- LOAD BEARING BLOCKWORK
- WALLS UNDER
- 1 — 47 mm x 150 mm DEEP TIMBER JOISTS GRADE C24 AT 400 mm CRS
- B+B — MILBANK T155-A BEAM AND BLOCK FLOOR
- ETJ — EXISTING TIMBER JOISTS SPAN TBC ON SITE
- C/S — DENOTES COLUMN STOPPING AT THIS LEVEL
- DENOTES EXISTING WALLS PROPOSED FOR REMOVAL



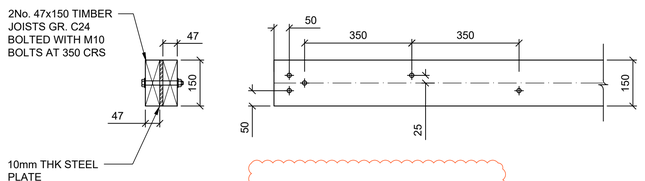
TYPICAL PADSTONE DETAIL
(SCALE 1:20)



DRAINAGE BUILD OVER DETAIL
(SCALE 1:20)



TRIAL PIT- DIMENSIONS REQUIRED
(SCALE 1:20)



FLITCH BEAM TYPE 01
(SCALE 1:10)

NOTES:

1 GENERAL
ALL STRUCTURAL ENGINEERING DRAWINGS ARE TO BE READ WITH THE SPECIFICATION AND WITH ALL RELEVANT ARCHITECTS DRAWINGS AND SPECIFICATIONS.

DO NOT SCALE FROM ANY STRUCTURAL ENGINEERS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.

ALL WATERPROOFING (DPM & DPC) WORKS TO ARCHITECTS DETAILS.

ALL FIRE PROTECTION WORKS TO ARCHITECTS DETAILS UNLESS SPECIFICALLY NOTED OTHERWISE.

ABBREVIATIONS:-
SSL - STRUCTURAL SLAB LEVEL
FFL - FINISHED FLOOR LEVEL
U.N.O. - UNLESS STATED OTHERWISE

THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF ALL NECESSARY TEMPORARY WORKS TO ENSURE THE STRENGTH AND STABILITY OF THE BUILDING THROUGHOUT THE COURSE OF THE WORKS. DRAWINGS AND CALCULATIONS DETAILING ALL TEMPORARY WORKS SHALL BE SUBMITTED TO THE ENGINEER FOR COMMENT PRIOR TO COMMENCEMENT OF THE WORKS.

THE EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON VISUAL INSPECTION OF THE BUILDING AND UPON LIMITED OPENING UP WORKS. ALL DETAILS OF THE EXISTING CONSTRUCTION ARE SUBJECT TO CONFIRMATION BY THE CONTRACTOR DURING THE WORKS ON SITE.

2 STEEL
THE STEELWORK FABRICATOR SHALL PRODUCE AND SUBMIT DIMENSIONED FABRICATION DRAWINGS TO THE ENGINEER.

ALL STEELWORK TO BE GRADE S355 TO BS 4360.

ALL CONNECTION DETAILS TO BE DESIGNED BY STEEL FABRICATOR / CONTRACTOR.

ALL BOLTS ARE TO BE GRADE 8.8 SHERADIZED TO BS 4921, CLASS1. ALL BOLTS, NUTS AND WASHERS ARE TO BE TO BS 5950: PART 2 CLAUSE 2.2. WASHERS ARE TO BE PLACED BENEATH ROTATED ITEM.

ALL WELDS TO BE MINIMUM 6MM LEG LENGTH CONTINUOUS FILLET WELDS UNLESS SPECIFICALLY NOTED OTHERWISE.

ALL STEELWORK EXCEPT THAT CAST INTO CONCRETE IS TO BE PROTECTED BY PAINTING WITH TWO COATS OF HIGH QUALITY ZINC PHOSPHATE PRIMER WITH TOUCH UP ON SITE AFTER ERECTION. ANY STEELWORK EXPOSED TO EXTERNAL ENVIRONMENT TO BE HOT-DIPPED GALVANISED.

3 CONCRETE
CONCRETE TO BE IN ACCORDANCE WITH BS. 5328 AND AS FOLLOWS :
MASS CONCRETE - C35
REINFORCED CONCRETE - C35

4 MASONRY
ALL LOADBEARING BLOCKWORK TO HAVE A MINIMUM CHARACTERISTIC STRENGTH OF 7.0N/mm². U.N.O
ALL LOADBEARING BRICKWORK IS TO HAVE A MINIMUM CHARACTERISTIC STRENGTH OF 20N/mm². U.N.O

5 TIMBER
ALL TIMBER MEMBERS TO BE GRADE C24 TO BS. 5268 UNLESS NOTED OTHERWISE. TIMBER TO BE PRESSURE IMPREGNATED WITH PRESERVATIVE AND CUT ENDS BRUSH TREATED.
OF LEVEL

Rev:	Date:	Drn:	Eng:	Changes:
02	18.02.20	IZ	JC	REVISED AS CLOUDED
01	14.01.20	IZ	JC	REVISED AS CLOUDED
-	16.10.19	IZ	JC	PRELIMINARY ISSUE

KPT DESIGN
Structural & Civil Consulting Engineers
E:mail@kptdesign.com T:0203 3998 880
WEB: www.kptdesign.com

PROJECT:
44 BEECHMOUNT AVENUE

TITLE:
GROUND AND FIRST FLOOR GENERAL ARRANGEMENTS

PURPOSE OF ISSUE:
INFORMATION

SCALE:	CHECKED:	DATE:
AS NOTED ON A1	TP	OCT 2019

DRAWING No: LP688-44BA-010

REVISION: 02