



NOTE:  
WHERE STEEL BEAMS ARE TO SUPPORT EXISTING WALLS,  
FOLDING STEEL WEDGES SHALL BE PROVIDED AT MAX  
600mm CENTERS TO ENSURE THAT THE WALLS ARE  
WELL SUPPORTED THROUGHOUT.

COLUMN SCHEDULE	
MARK	DESCRIPTION
C1	80x80x5.0 SHS
C2	150x150x5.0 SHS

BEAM SCHEDULE	
MARK	DESCRIPTION
BM 1-1	80x80x5.0 SHS
BM 1-2	100x100x8.0 EA
BM 1-3	STEEL BEAM

#### PHASE 1 ENVISAGED SEQUENCE

- 1/1. INSTALL PLUNGE COLUMNS AND GROUND FLOOR TIE BEAMS / NEEDLES AND BEAMS SUPPORTING NEEDLES.
- 1/2. NEEDLE AND PROP INTERNAL WALLS TO ENABLE THE INSTALLATION OF BEAM BM G-1. PROPS TO BE INSTALLED ON SUPPORTED OF EXISTING GROUND/OVERSITE BELOW EXISTING GROUND FLOOR - USE ADEQUATE SPREADERS
- 1/3. BM G-1A TO BE INSTALLED WITHIN THE DEPTH OF THE GROUND FLOOR CONSTRUCTION. BEAMS BM G-1A ARE TO BE INSTALLED ON PADSTONES CAREFULLY BUILT INTO EXISTING WALLS. ALL NEW BEAMS BM G-1 TO BE INSTALLED AND DRY PACKED TIGHT TO SUPPORT EXISTING WALLS/ CHIMNEYS ABOVE
- 1/4. STRENGTHEN / REPLACE EXISTING TIMBER GROUND FLOOR. NEW/STRENGTHENED GROUND FLOOR CONSTRUCTION TO BE CONFIGURED AND SUCH AS TO PROP/SHORE THE EXISTING MASONRY WALLS AT GROUND FLOOR LEVEL AND TO BE AS SUCH TO PROVIDE A STIFF DIAGRAM. FLOOR TO BE SHEATHED IN T&G PLYWOOD GLUED AND SCREWED TO ALL JOISTS AND NOGGINGS AND TO BE BOLTED TO SIDES OF NEW STEEL BEAMS.

#### KEY :-

NEW L-B WALL	NEW LOAD BEARING MASONRY WALL
L-B WALL	EXISTING LOAD BEARING MASONRY WALL
7	SEQUENCE OF INSTALLATION OF UNDERPINNING / BASEMENT - SEE ENVISAGED SEQUENCE OF WORKS PHASES 2,3 & 4 E
PPP	TEMPORARY STEEL PUSH PULL PROP - MAYBEY OR RMD OR SIMILAR
PC	TEMPORARY STEEL PLUNGE COLUMN LOCATED WITHIN CFA MINI-PILE - ALL TO BE BROKEN DOWN / OUT ON COMPLETION OF PERMANENT WORKS
TB	TEMPORARY BEAM OR SHORE OR STEEL NEEDLE TO SUPPORT WALLS / PERMANENT BEAMS OR TEMPORARY STEEL TIE BEAM TO PLUNGE COLUMNS
BM G-1A BM G-1	PERMANENT WORKS STRUCTURAL BEAM
NEW STEEL & RC COLUMN A	NEW PERMANENT WORKS REINFORCED CONCRETE COLUMN INCORPORATING CASE STEEL STANCHION WHICH IN CONJUNCTION WITH BEAM G-1A ABOVE WILL FORM A STABILITY FRAME TO PROVIDE SUPPORT TO THE WALL ABOVE BASEMENT LEVEL AND LATERALLY SUPPORT THE BUILDING
NEW STEEL & RC COLUMN B	
T.F.	EITHER STRENGTHEND AND REPAIRED EXISTING FLOOR OR COMPLETELY NEW TIMBER GROUND FLOOR STRUCTURE ALL SHEATHED IN 22mm T&G PLYWOOD FLOORING GLUED AND SCREWED TO THE TOP OF THE FLOOR JOISTS - FLOOR TO BE DESIGNED TO ACT AS A DIAPHRAGM TO PROVIDE LATERAL STABILITY TO THE BUILDING AND TO PROP THE BASEMENT WALLS.

#### NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICE ENGINEERS AND ENGINEERS' DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE FROM THIS DRAWING WORK ONLY TO FIGURED DIMENSIONS.
3. FOR STANDARD NOTES REFER TO DRAWING 1343-000.

THIS DRAWING IS PRELIMINARY FOR PLANNING PURPOSES ONLY TO ILLUSTRATE THE ENVISAGED SEQUENCE OF WORKS IN THE PERMANENT WORKS DESIGN INTENT - ALL IS PRELIMINARY AND INDICATIVE ONLY - THE FINAL SEQUENCE OF WORKS, METHODOLOGY AND TEMPORARY WORKS SCHEME AND DESIGN IS TO BE PRODUCED BY THE CONTRACTOR ONCE TENDER HAS BEEN AWARDED

P1	FOR PLANNING	03/07/17
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Project  
41 HOWITT ROAD

Client  
MR JAMES YOUNGMAN

**daviddexter**  
associates  
david dexter associates, 1-5 vyner street, london, E2 9DG  
t: 020 7247 7172 f: 020 8983 6702 mail@daviddexter.co.uk  
www.daviddexter.co.uk

Title  
NEW BASEMENT ENVISAGED CONSTRUCTION METHODOLOGY & SEQUENCE PHASE 1

STRUCTURAL DRAWING			
Designed	RC	Approved	
Drawn	MC	Project Engineer/Director	Date
Scale	AS SHOWN	North	Drawing No:
Date	NOV '14		Issue
		1343-CS-01	P1