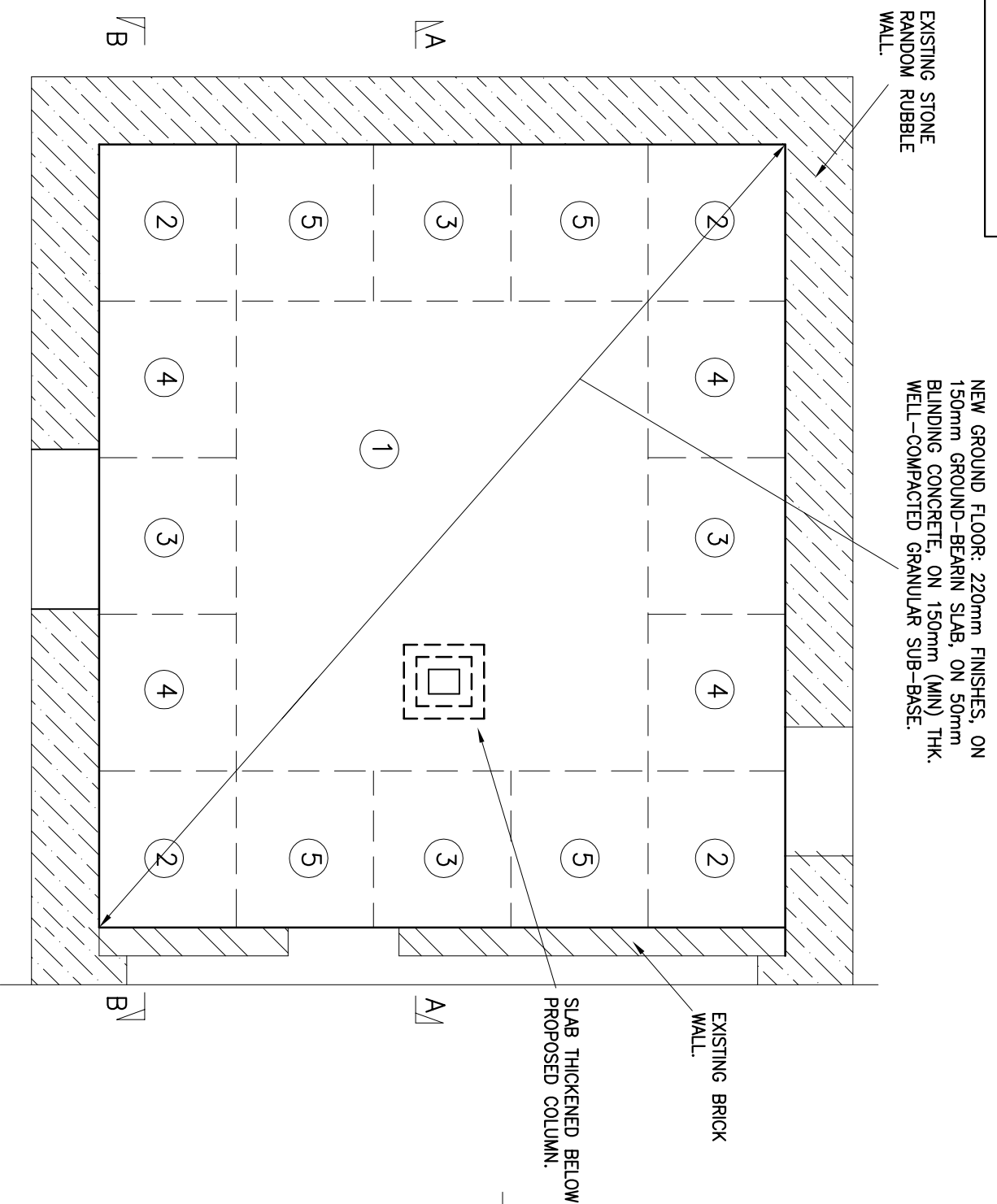
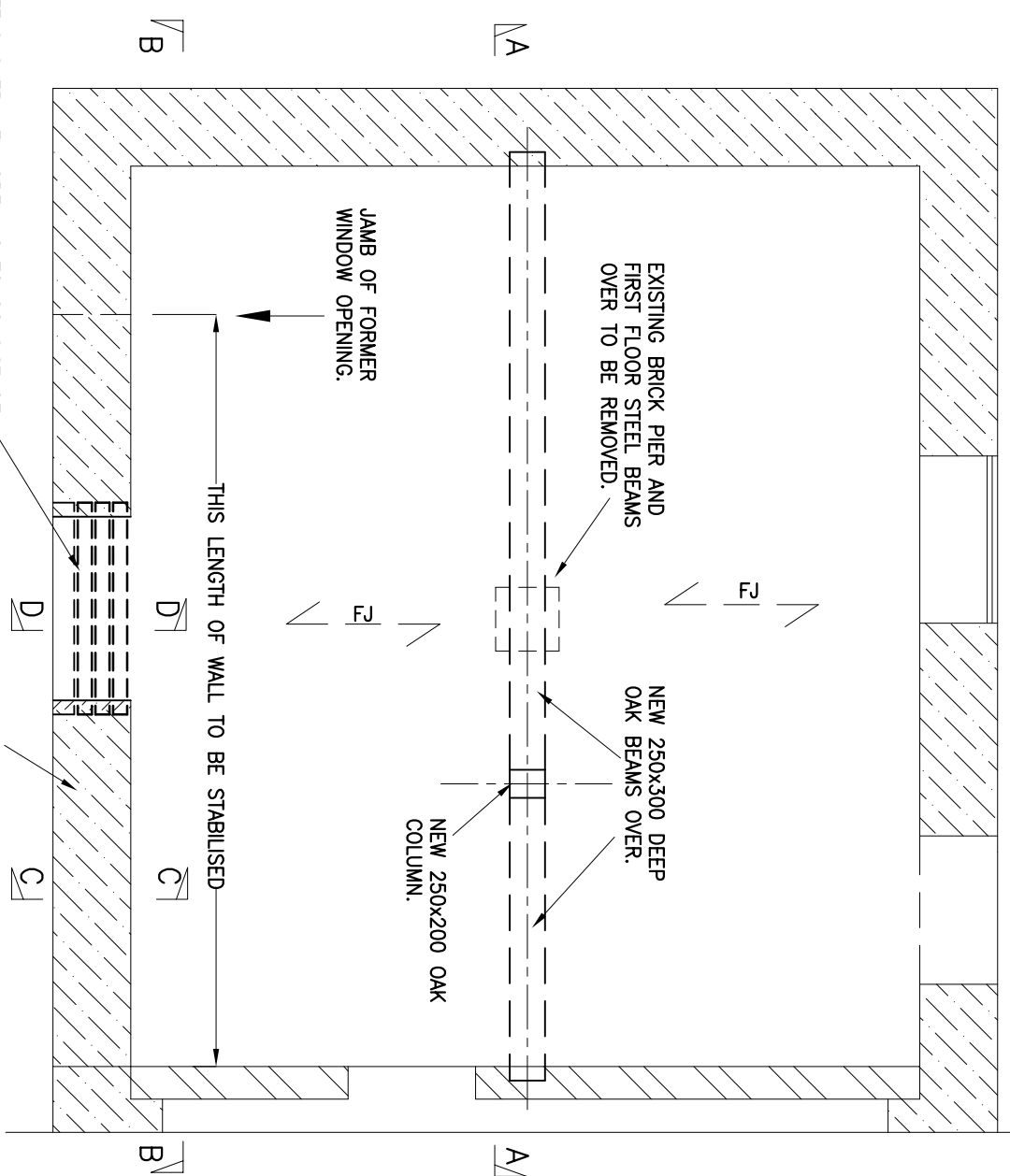


DO NOT SCALE FROM THIS DRAWING.

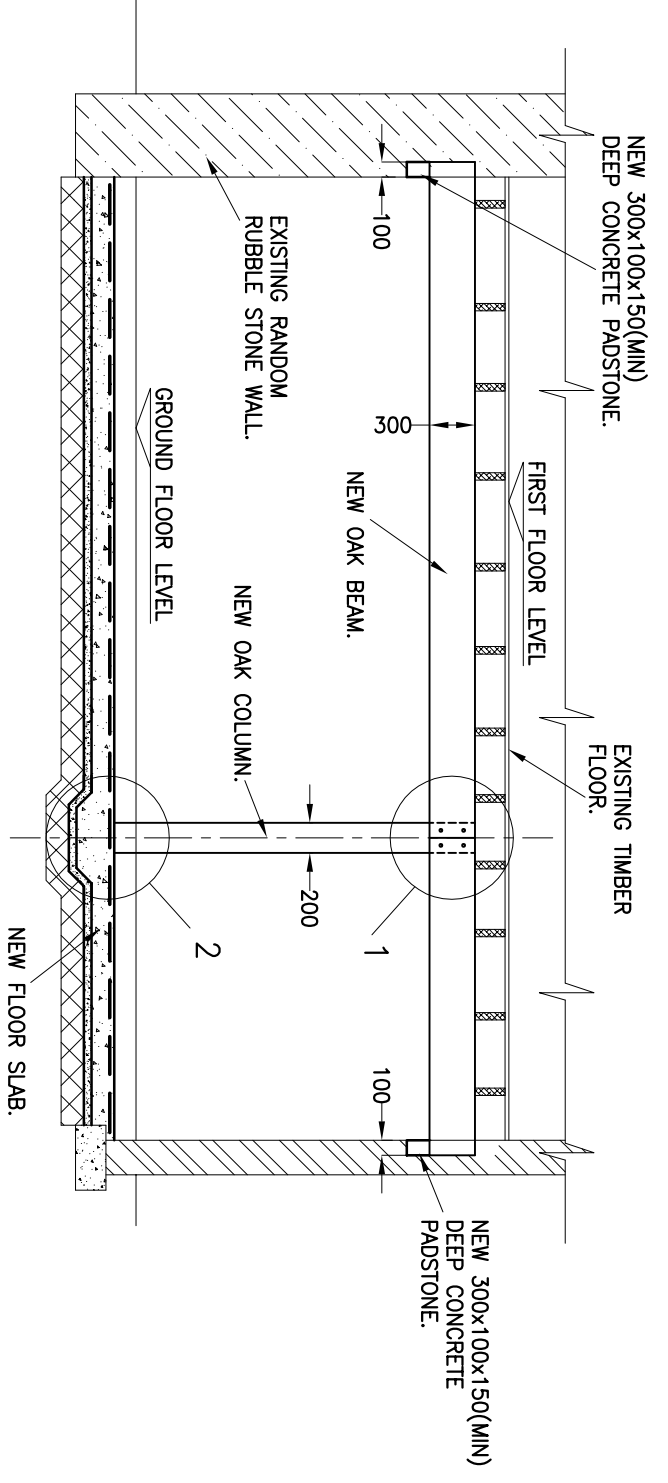


IN ORDER TO MAINTAIN THE STABILITY OF THE EXISTING WALLS THE EXCAVATIONS FOR AND THE PLACING OF SUB-BASE IS TO BE CARRIED OUT IN THE ORDER 1' TO 5' ABOVE. THE EXISTING GROUND IS TO BE EXCAVATED IN AREA 1 AND THE SUB-BASE PLACED AND COMPACTED BEFORE ANY OTHER EXCAVATIONS ARE CARRIED OUT. THIS PROCEDURE IS TO BE REPEATED IN SEQUENCE FOR THE OTHER AREAS.

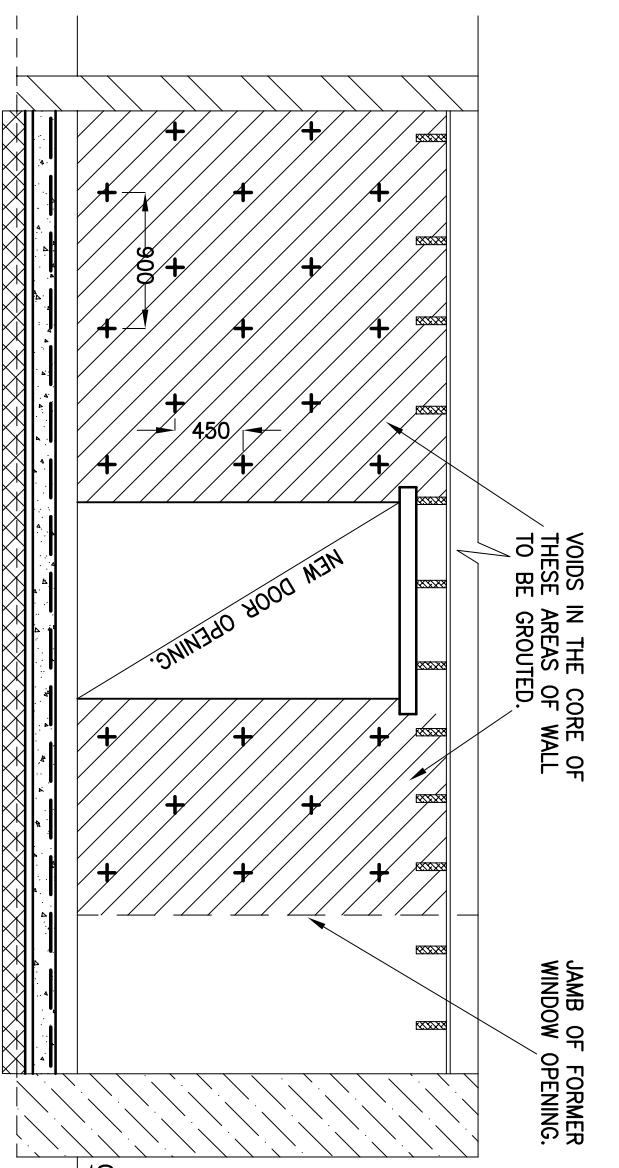


LINTELS OVER NEW OPENING TO CONSIST OF 150x150mm OAK LINTEL (OUTER) AND 3No NAVTOR PRESTRESSED CONCRETE TYPE S4, 100x110mm DEEP, EQUALLY SPACED, ALL TO HAVE MIN. 150mm BEARING. SEE NOTE 6.

SPAN OF EXISTING FIRST FLOOR OVER SHOWN THUS: FU

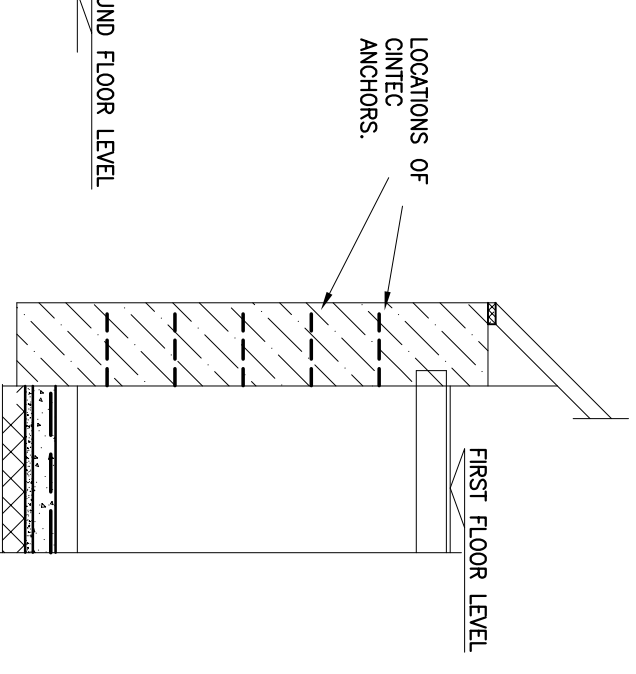


SECTION A-A

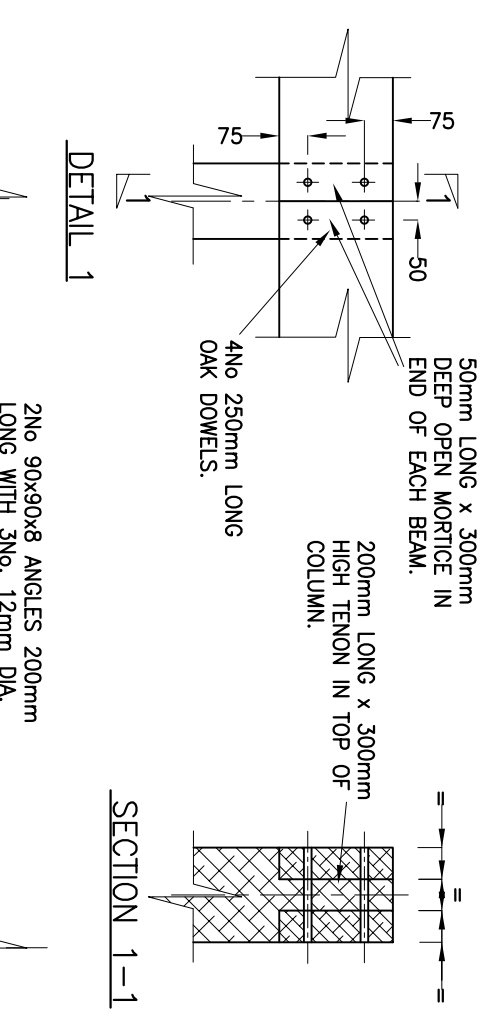


ELEVATION B-B

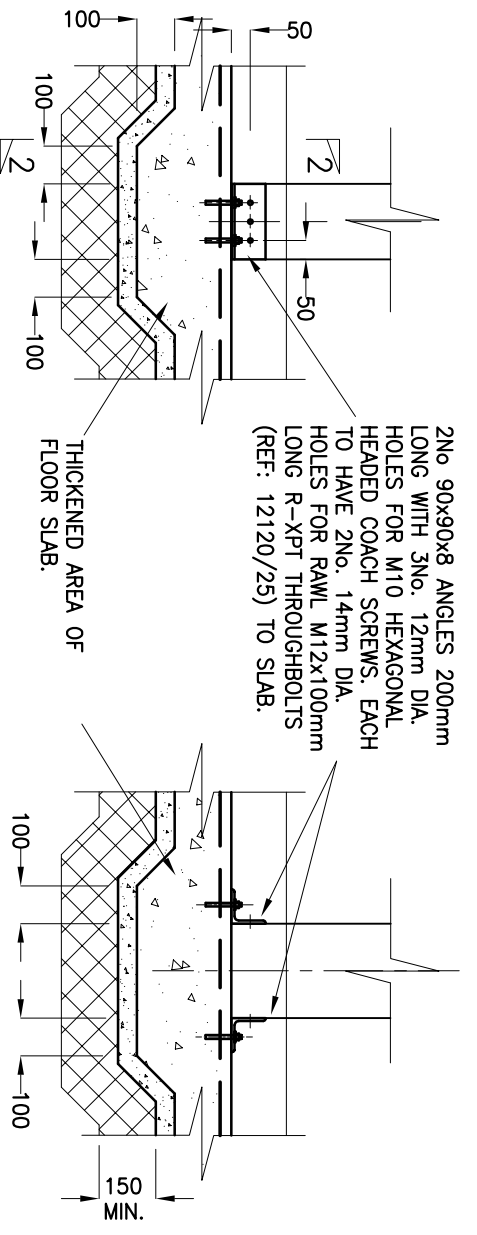
PROPOSED LOCATIONS OF CINTEC CHS STITCHING ANCHORS SHOWN THUS: +



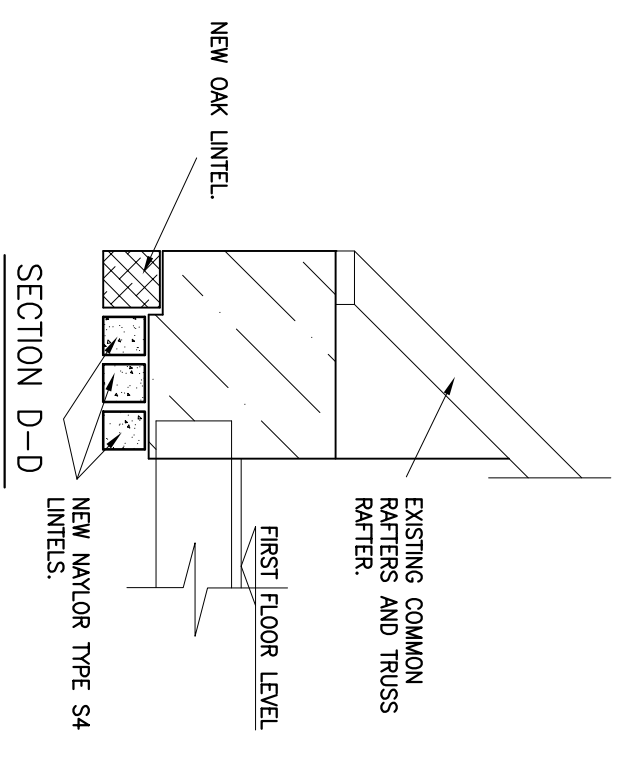
SECTION C-C



DETAIL 1



DETAIL 2



SECTION D-D

NOTES.

1. TO BE READ IN CONJUNCTION WITH ALL ARCHITECT'S DRAWINGS.
2. ALL EXISTING DIMENSIONS AND LEVELS ARE TO BE CONFIRMED BY SITE MEASUREMENT. FOR NEW DIMENSIONS REFER TO THE ARCHITECT'S DRAWINGS.
3. CONCRETE REFER TO NEW GROUND FLOOR SLAB TO BE DESIGNATED CONCRETE MIX RC25/30 TO BS8500.
4. COVER TO FABRIC REINFORCEMENT TO BE: 30mm TOP AND 50mm TO ENDS.
5. LAPS IN FABRIC TO BE 250mm MINIMUM.
6. SUB-BASE TO BE TYPE 1 GRANULAR SUB-BASE TO D.O.T SPECIFICATION, TO BE WELL-COMPACTED IN MAXIMUM 150mm LAYERS. SUBGRADE TO BE ROLLED PRIOR TO PLACING SUB-BASE. FOR SEQUENCE OF EXCAVATIONS AND PLACING OF SUB-BASE SEE GROUND FLOOR PLAN.
7. OAK TO BE AIR DRIED, TO BE GRADE TH9 TO BS5268.
8. NEW CONCRETE LINTELS AND MAIN OAK BEAMS TO BEAR ONTO PADSTONES CUT FROM PRECAST CONCRETE KERBS OR LINTELS. PADSTONES TO BE BEDDED ON 1:3 CEMENT:SAND MORTAR, OAK LINTEL TO BEAR ON MORTAR BED ON LEVEL STONEWORK.
9. NEW LINTELS TO BE SET ON A 1:3 CEMENT:SAND MORTAR BED.
10. FOR ALL DAMP PROOFING DETAILS ETC REFER TO THE ARCHITECTURAL DRAWINGS.
11. THE EXISTING FIRST FLOOR JOISTS ARE TO BE ADEQUATELY PROPPED ON BOTH SIDES OF THE EXISTING STEEL FIRST FLOOR BEAMS TO ALLOW THE BEAMS TO BE REPLACED. ANTICIPATED PROPPING LOAD = 0.5T PER METRE LENGTH OF NEW BEAM.
12. THE EXISTING FIRST FLOOR JOISTS, RAFTERS AND ROOF TRUSSES ARE TO BE PROPPED TO ALLOW THE INSTALLATION OF THE LINTELS ABOVE THE NEW DOOR OPENING IN THE NORTH WALL.
13. ANTICIPATED PROPPING LOAD FOR THE FIRST FLOOR JOISTS AND FOR THE RAFTERS = 0.25T PER METRE LENGTH OF THE NEW OPENING.

STABILISATION OF THE BULGED AREA OF NORTH WALL.

THE FOLLOWING IS TO BE CARRIED OUT BY A SPECIALIST CONTRACTOR EXPERIENCED IN BUILDING CONSERVATION WORK. A DETAILED METHOD STATEMENT IS TO BE SUBMITTED FOR COMMENT PRIOR TO COMMENCING WORK.

- S1. CINTEC CHS STITCHING ANCHORS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON SECTION B-B PRIOR TO FORMING THE NEW DOOR OPENING.
- S2. AFTER FORMATION OF THE NEW DOOR OPENING, INTERNAL VOIDS IN THE CORE OF THE AREAS OF WALL MARKED ON SECTION B-B ARE TO BE GROUTED WITH NHL 3.5 NATURAL HYDRAULIC LIME GROUT.

**ANTHONY DAVIES ASSOCIATES**  
 Consulting Civil & Structural Engineers,  
 19 Quay Level Offices, St Peters Wharf,  
 Newcastle upon Tyne, NE6 1TZ  
 Newcastle, Tel. 0191 276 5209  
 Email: info@anthonydaves.com

Project  
**BEDE HOUSE**  
**JARROW**

Title  
**PROPOSED REFURBISHMENT OF WEST WING**  
**STRUCTURAL DETAILS.**

|            |            |             |
|------------|------------|-------------|
| Scale      | (as) Date  | Drawing No. |
| 1:50 1:20  | 20.08.2015 | 14-1602/100 |
| Drawn      | chk        |             |
| I.H.HUNTER |            |             |