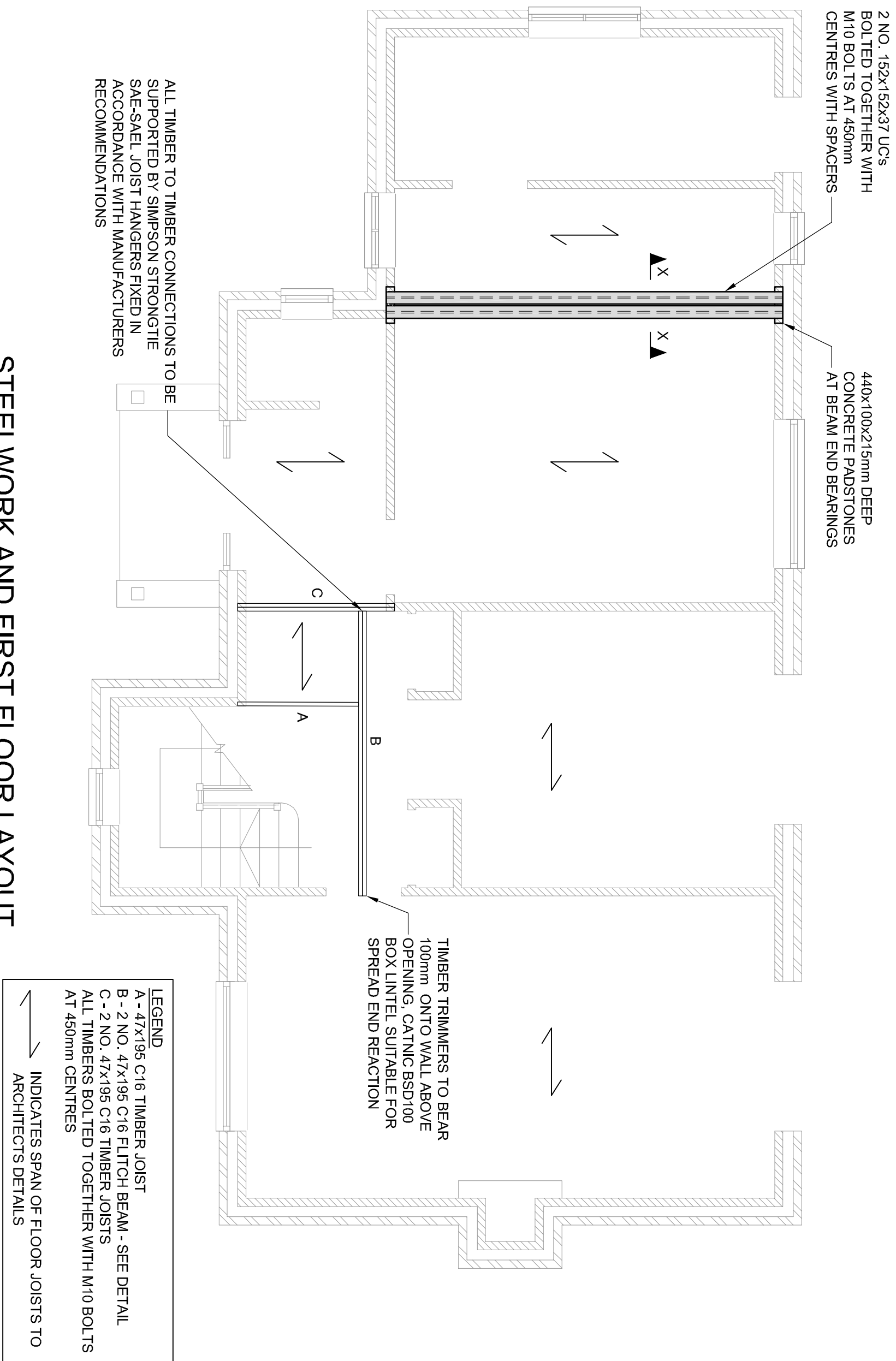
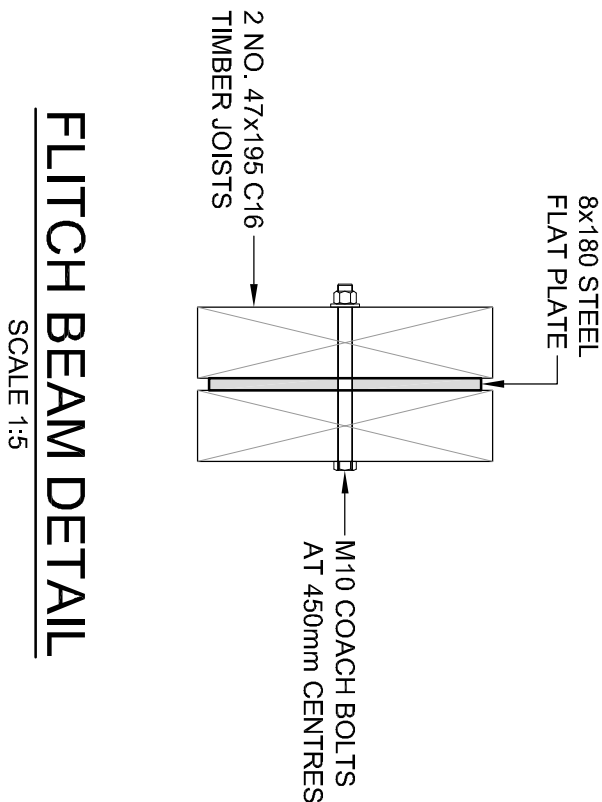




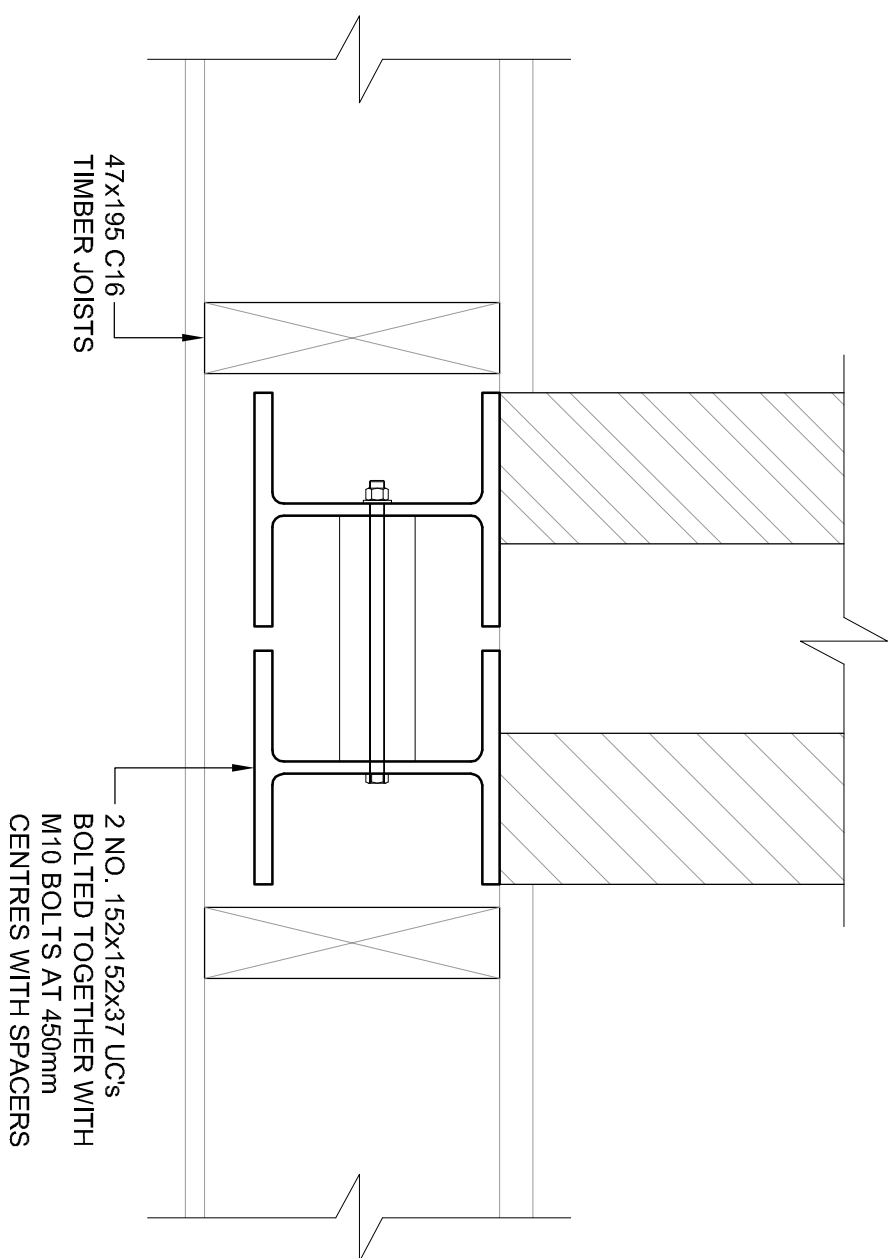
STEELWORK AND FIRST FLOOR LAYOUT

SCALE 1:50



FLITCH BEAM DETAIL

SCALE 1:5



SECTION X-X

SCALE 1:5

[illegible]

CDM - RESIDUAL HAZARD TABLE			
The table below is provided to assist the Principal Contractor to fulfil his obligations under the Construction (Design & Management) Regulations 2015. It does not include residual risks that a competent Contractor will be aware of nor does it absolve the Principal Contractor of his legal responsibilities.			
Hazard Activity	Residual Hazard	Hazard Control	
Temporary Stability		Provide temporary propping to all walls during construction to ensure structural stability until return walls have been constructed	

 Opus Weyham Office 444 1978 386100 Opus House, Yare Business Village, Weyham Tech, Park, Weyham LL13 7YL				Project	
REPLACEMENT DWELLING THE LODGE CROESHOWELL LANE					
Steel					
STEELWORK AND FIRST FLOOR LAYOUT					
Drawn	Designed	Approved	Revision Date		
KT	IW	IW	JUN '16		
Project No.		Scale			
V-R6306.00		AS SHOWN AT A1			
Drawing No.		Sheet No.			
V-R6306.00		2501			
		Revision			
		A			

CONSTRUCTION

GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS', ENGINEERS' AND SPECIALISTS' DRAWINGS ALONG WITH ALL RELEVANT SPECIFICATIONS.
2. ANY GRIDLINES, BUILDING LINE LEVELS, ETC., ARE TO BE SET OUT IN ACCORDANCE WITH THE RELEVANT ARCHITECTS' DRAWINGS.
3. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING.
4. ALL DETAILS SHALL BE CHECKED ON SITE PRIOR TO CONSTRUCTION OR FABRICATION, ANY DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE REFERRED TO THE ARCHITECT BEFORE WORK COMMENCES.

1. ALL STEELWORK SHALL COMPLY WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION, 5th EDITION, PUBLISHED BY BCSASCI.
2. UNLESS NOTED OTHERWISE, STEEL GRADES SHALL BE S355, DESIGNED TO BS EN 1993-1 AND ALL RELEVANT NATIONAL ANNEXES, AND DELIVERED IN ACCORDANCE WITH BS EN 10025 1993.

STEEL SUBGRADE TO BE IN ACCORDANCE WITH BS5950 - 1:2000
CLAUSE 2.4.4. (UNLESS NOTED OTHERWISE)

4. WELDING ELECTRODE STRENGTH SHALL BE E60 TO B5689
5. STEEL WELDING SHALL ONLY BE CARRIED OUT WITH THE PROPER SUBMISSION OF WELDING JOINTS AND SUBMISSION AND ACCEPTANCE OF FABRICATORS WELDING PROCEDURE.
6. FIRE PROTECTION TO STEELWORK TO BE IN ACCORDANCE WITH THE ARCHITECTS SPECIFICATION
7. FOR FIRE RESISTANCE PERIODS, REFER TO THE ARCHITECT'S DETAILS.

8. THE CONTRACTOR SHALL ENSURE THAT THE SYSTEMS SELECTED FOR CORROSION PROTECTION AND FIRE PROTECTION ARE COMPATIBLE AND SHALL OBTAIN ACCEPTANCE BY OPUS PRIOR TO USE.
9. ALL STEELWORK BELOW GROUND TO BE ENCASED IN GRADE 35 CONCRETE WITH MINIMUM 75mm COVER.

STEELWORK CORROSION PROTECTION SPECIFICATION:-

STEELWORK IN SEMI CONTROLLED ENVIRONMENT

- BLAST CLEAN TO SA2.5 IN ACCORDANCE WITH BS7079 PART A
- EPOXY ZINC RICH PRIMER 50 MICRONS, DRY FILM THICKNESS
- SHOP APPLIED, OR EPOXY PRIMER 125 MICRONS

BRICKWORK AND BLOCKWORK

1. FACING BLOCKWORK:
UNLESS NOTED OTHERWISE FACING BRICKWORK TO BE TO ARCHITECT'S SPECIFICATION AND SET IN 1:1.5:6 (TYPE III) MORTAR.

UNLESS NOTED OTHERWISE FACING BLOCKS TO HAVE A MINIMUM CRUSHING STRENGTH = 27.5 N/mm² AND A WATER ABSORPTION NOT GREATER THAN 12%.

2. COMMON BRICKWORK:
COMMON BRICKWORK TO BE BUILT IN MINIMUM 27.5 N/mm² BRICKS AND SET IN 1:1:5-6 (TYPE III) MORTAR.

3. BLOCKWORK:
100mm BLOCK INNER LEAVES TO CAVITY WALL 5 AND INTERNAL LOADEARING WALLS GENERALLY TO BE BUILT IN MINIMUM 7.3 N/mm² SOLID BLOCKS WITH A MAXIMUM DENSITY = 1400 kgsm⁻³ AND SET IN 1:1.5:6 (TYPE III) MORTAR.
BRICKWORK AND BLOCKWORK TO BE IN ACCORDANCE WITH ARCHITECTS SPECIFICATION.

- #### 4. MORTAR:

ALL MORTAR USED BELOW DPC LEVEL TO BE 1:0.0:25:3 (TYPE I) PRELIMINARY COMPRESSIVE STRENGTH TESTS SHALL BE CARRIED OUT ON THE MORTAR IN ACCORDANCE WITH BS EN 1996.

5. ALL BRICKS AND BLOCKS SHALL BE OBTAINED FROM MANUFACTURERS WHICH OPERATE APPROVED QUALITY CONTROL SYSTEMS WHICH MEET THE REQUIREMENTS OF BS5628: PART 1:CL27.2.12.

- ## AND CONTROL

7. CAVITY TIES:
CAVITY TIES TO BE STAINLESS STEEL ANCON STAIFIX ST1 TIES
OR SIMILAR MASONRY TIES TO DD.140 : PART 2 AT MAXIMUM 45
x 450mm STAGGERED CENTRES CENTRAL TO BLOCKS PRODUCE
GUIDANCE.

ADDITIONAL TIES TO BE PROVIDED TO SIDES OF ALL OPENINGS AT 225mm VERTICAL CENTRES. LENGTH OF TIES TO SUIT CAVITY WIDTHS (REFER MANUFACTURER GUIDANCE)

- ## 8. MORTAR BED REINFORCEMENT:

ALL EXTERNAL CAVITY WALLS TO HAVE BEKAERT MASONRY REINFORCEMENT REF. SBF-40/W60 TO INNER AND OUTER LEAF AT MAX. 225mm VERTICAL CENTRES FOR MINIMUM 2 COURSES ABOVE AND BELOW ALL OPENINGS.

- ## 9. LINTELS:

LINTELS IN EXTERNAL CAVITY WALLS TO BE AS REFERENCED ON THE ARCHITECTS DRAWINGS.

LINTELS IN INTERNAL LOADBEARING BLOCKWORK WALLS TO BE AS REFERENCED ON THE ARCHITECTS DRAWINGS.

10. THE CONTRACTOR IS TO PROVIDE ALL TEMPORARY BRACING/SUPPORTING TO BRICK/BLOCK WALLS TO ENSURE THEIR STABILITY DURING CONSTRUCTION.

11. TOPS OF EXTERNAL WALLS TO BE STRAPPED BACK INTO ROOF STRUCTURE AND PRECAST CONCRETE FLOORS AS DETAILED ON THE DRAWINGS.

12. UNLESS NOTED OTHERWISE, ALL NON-LOADBEARING WALLS ARE TO BE TIED TO THE STRUCTURE OVER WITH TIES ALLOWING VERTICAL MOVEMENT AND A FLEXIBLE JOINT OF 10mm TO BE FORMED BETWEEN TOP OF THE WALL AND THE STRUCTURE. THE JOINT SHALL BE FILLED WITH AN APPROVED COMPRESSIBLE MATERIAL IN ACCORDANCE WITH THE ARCHITECT'S DETAILS.

13. INTERNAL WALLS TO PROVIDE SUFFICIENT BUTTRESSING
SUPPORT TO EXTERNAL WALL TO RESIST LATERAL FORCES

14. WHERE CASSED BEAMS OR OTHER CONCRETE SURFACES ARE IN CONTACT WITH, OR ARE WITHIN 75mm OF THE EXTERNAL SKIN OF BRICKWORK, THE CONCRETE IS TO BE PAINTED WITH TWO COATS OF R/W OR SIMILAR APPROVED MATERIAL.

15. ALL PROPRIETARY FIXINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.