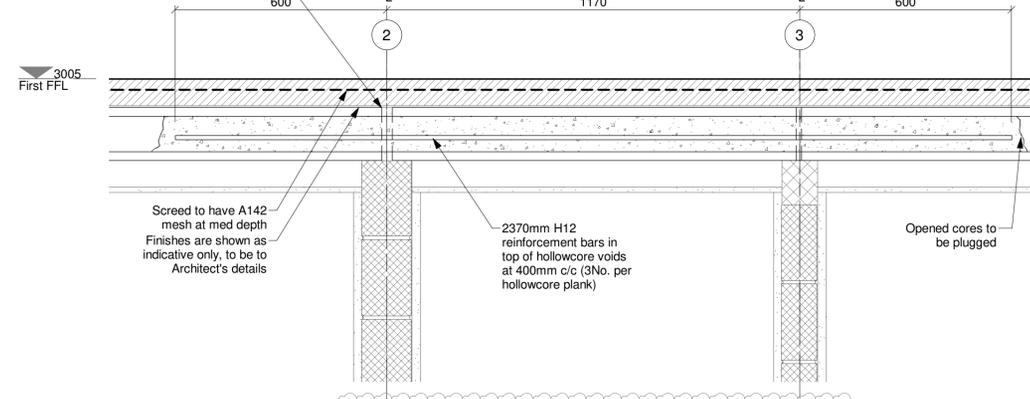
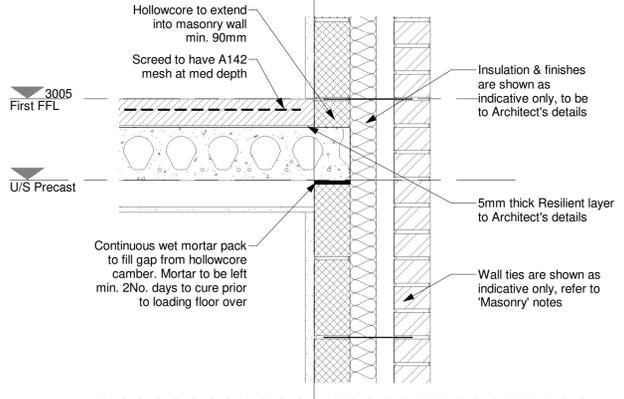


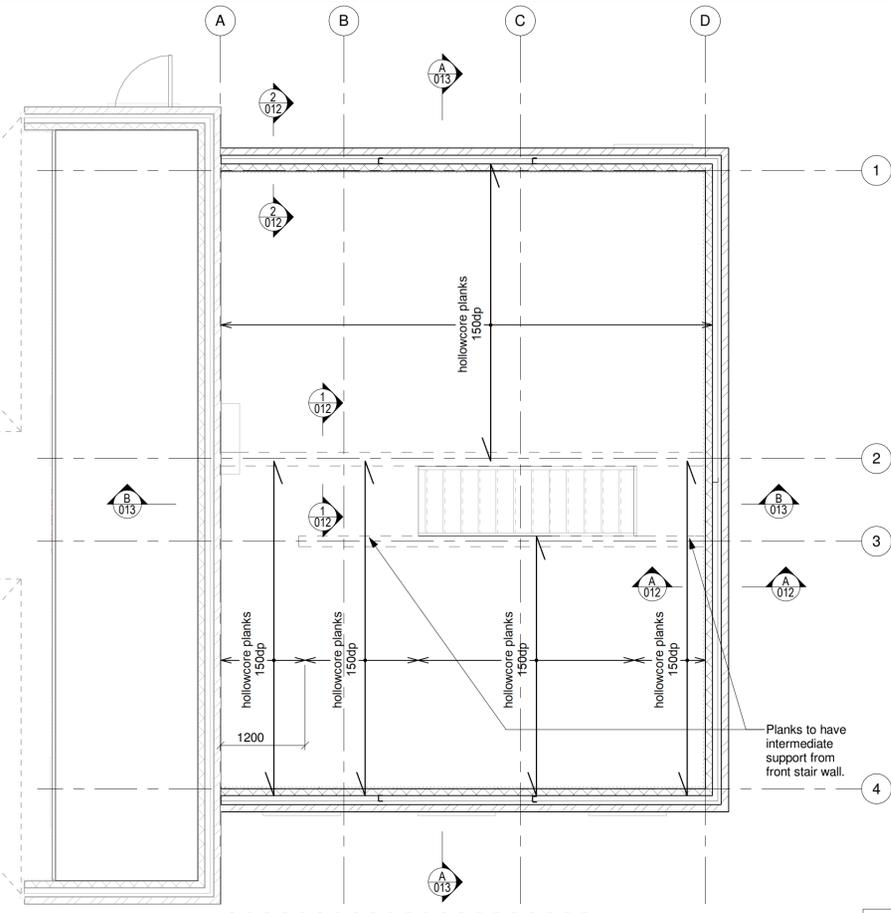
**General Arrangement
Proposed Ground Level Plan**
Scale 1 : 50



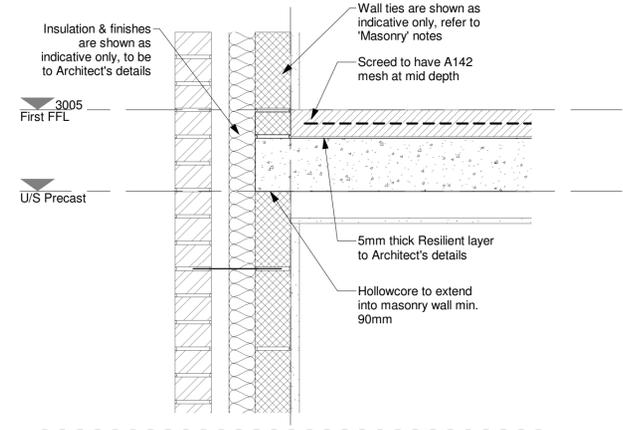
Typical Internal Wall Plank Bearing Detail 1
Scale 1 : 10



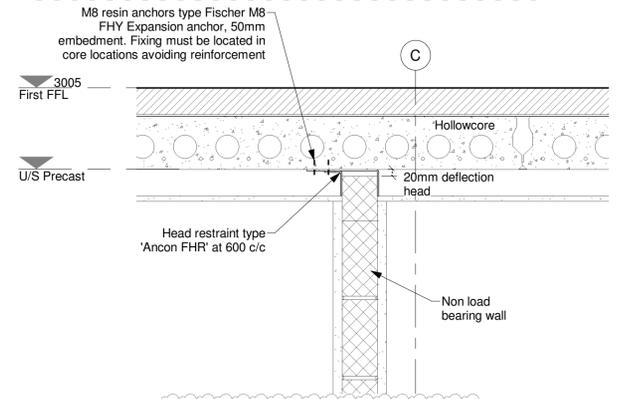
**Section A-A - Typical Hollowcore to Cavity
Wall Side Bearing Detail**
Scale 1 : 10



**Structure
Ground Ceiling Level Structure**
Scale 1 : 50



Typical External Wall Plank Bearing Detail 2
Scale 1 : 10



**Section B-B - Internal Wall
Head Restraint Detail**
Scale 1 : 10

Sheet Legend	
Ref.	Description
-	dimension is indicative only, based on Architect's layouts & is to be checked & confirmed
-	lintel centreline/over
↔	span extent & directional arrow
ws	wall to be connected to existing using proprietary wall starters with sliding sleeve ties at max. 225mm c/c vertically

Structural Lintel Schedule - L00	
(refer to 'Lintels' sheet notes)	
Ref.	Member
L00/01	Steel Lintel : XCFS/K-90
L00/02	PC Lintel : 140w x 140dp 'Hi-Strength'
L00/03	PC Lintel : 140w x 140dp 'Hi-Strength'
L00/04	PC Lintel : 2No. 100w x 140dp 'Hi-Strength'
L00/05	PC Lintel : 100w x 140dp 'Hi-Strength'
L00/06	Steel Lintel : XCFS/K-90
L00/07	Steel Lintel : XCFS/K-90
L00/08	Steel Lintel : XCFS/K-90

Structural Column Schedule	
(refer to 'Steelwork' sheet notes)	
Ref.	Member
C00/01	85x60x5 'Ancon WP3' windpost
C00/02	85x60x5 'Ancon WP3' windpost

STRUCTURAL NOTES

- PROPRIETARY PRODUCTS**
 - all proprietary products are to be installed strictly to Manufacturer's instructions unless noted otherwise
- TEMPORARY WORKS**
 - all temporary propping to Contractor's design. The project must be evaluated for suitable propping locations prior to work commencement. Engineer to be contacted if any assistance is required
- CONCRETE**
 - all mass concrete trench fill foundations to be grade C25/30 - 20mm aggregate or as noted otherwise
- HOLLOWCORE PLANKS**
 - all hollowcore planks are shown as indicative only, to be designed by Specialist for the following loading:
SDL = 2.5kN/m²
IL = 3.0kN/m² + 1.2kN/m² for partitions
b) all joints in planks to be fully grouted
- MASONRY**
 - all masonry to be fully bonded
 - block strengths and thicknesses are as shown on plans, minimum block strength is 7.3N/mm² unless noted otherwise
 - above DPC level, lightweight blocks to be used and medium blocks when rendered or unless noted otherwise on drawings
 - below DPC level, only dense concrete blocks of minimum strength 7.3N/mm² to be used
 - mortar to be 1:1:3 (M6) below ground and 1:1.5 (M4) above ground
 - all face brickwork to be a minimum standard of 24N/mm², category FL to BS5628, maximum absorption 10%
 - all cavity walls to be tied with 19w x 3thk stainless steel or non-ferrous metal vertical twist brick ties at 900mm c/c horizontally and 450mm c/c vertically and doubled up centres around all reveals
- MASONRY REINFORCEMENT**
 - all concrete blockwork shown on these drawings and above DPC to be reinforced to have full height and length of walls. Install 'Bekaert Brickforce SBF30 W60' masonry reinforcement at 450mm vertical c/c unless noted otherwise on plans
- TIMBER**
 - all timber (to BS EN 1995) to be grade C24, unless noted otherwise, and to be tanalised and dry
 - timber to be protected with 3No. coats of preservative where exposed
 - all timber fixings to be galvanised steel
 - all joists & trimmers to be fixed to supports with restraint type hangers
 - where 2No. or more required, timbers to be bolted together with M12 bolts at 400mm c/c connected with oversized washers & toothed plate connectors
 - timber reference prefix on drawings depicts structural type, refer to Structural Legend
- LINTELS**
 - all steel lintels by 'Keystone Lintels Ltd.' and all PC lintels by 'Supreme Concrete' or similar approved
 - all lintels to have min. 150mm bearing on both ends, or as per Manufacturer's specification
 - cavity trays must be used above all PC lintels within cavity walls
 - all lintels below ground to have 2No. layers of bitumastic paint applied to both ends and 200mm bearing
- REPAIR MATERIALS**
 - all repair materials are to be applied strictly in accordance with the Manufacturer's instructions, with particular regard to surface preparation, surface priming and thickness of material application
- RESIN ANCHORS**
 - all resin anchors to be installed strictly in accordance with Manufacturer's instructions
 - all fixings into masonry to be, unless noted otherwise, 'Hilti HIT-V' M12 anchors with 'HIT-HY270' injectable mortar and located in middle of masonry units with min. 80mm deep embedment
 - all fixings into RC to be, unless noted otherwise, 'Hilti HIT-Z' M12 anchors with 'HIT-HY200' injectable mortar with min. 120mm deep embedment

- Notes
- GENERAL**
 - this drawing is copyright protected and may not be used, reproduced or relied upon by third parties except as explicitly agreed by Michael Aubrey Partnership Ltd.
 - all measurements must be obtained from stated dimensions and must not be scaled except for Local Authority planning application purposes
 - all dimensions are in millimetres unless noted otherwise and must be verified on site prior to works
 - all drawings are to be read in conjunction with all other project drawings and any discrepancies must be reported immediately for clarification
 - all proprietary products are to be installed strictly to Manufacturer's instructions
 - for complete schedules, legends, sheet notes & specification notes, refer to '900' series drawings
 - all DPM, DPC, finishes & sound & thermal insulation are shown as indicative only, to be to Architect's details

18.12.2017 APC Amended to Client's comments
 0 15.12.2017 APC First Issue

Rev.	Date	By	Description

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Project
**Lutterworth Fire Station -
Extension to Appliance Building**

Client
**Lutterworth FRS, Gilmorton
Road, Lutterworth,
Leicestershire, LE17 4DZ**

Title
**Ground Level GA, Ground
Ceiling Structure & Details**

Drawing No. MAP/C2978/012	Revision A
Project No. C2978	Date 18.12.2017
Drawn by APC	Checked by OG
Scale As indicated	Sheet Size A1