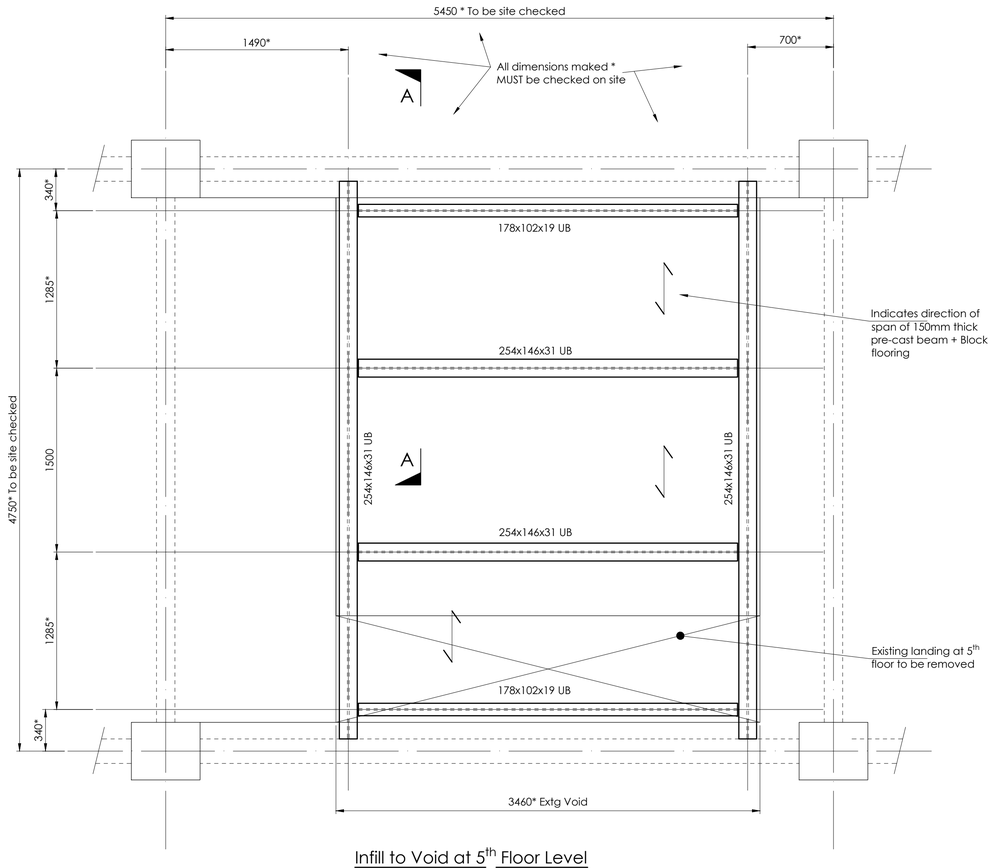
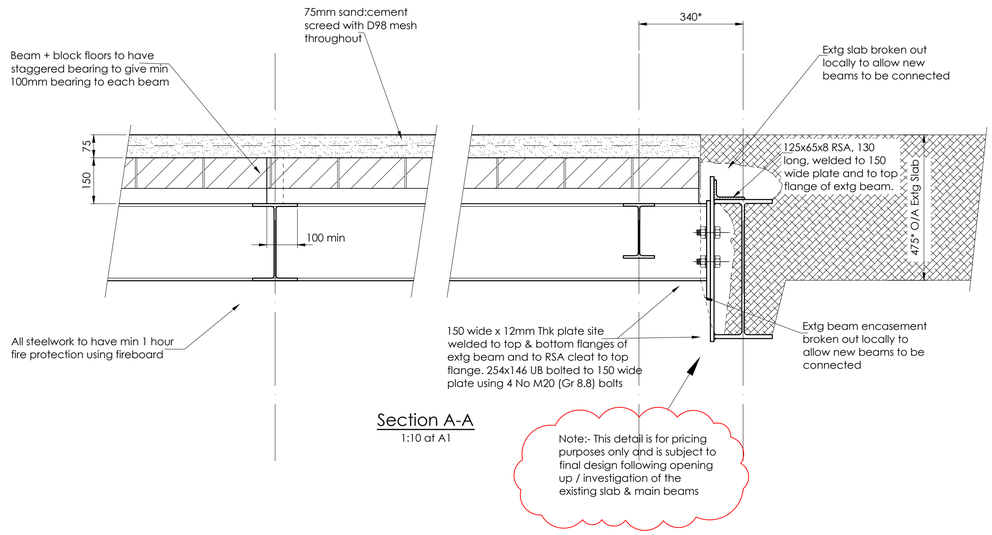


Infill to Void at 5th Floor Level

1:25 at A1



Section A-A

1:10 at A1

Construction Notes / Sequence of Works

1. Following removal of stairs erect full 'crash deck' scaffold to underside of 5th floor void.
2. Remove area of landing at 5th floor level within stair void opening.
3. Carry out investigation works at the 4 No proposed new connection locations to determine the EXACT nature of existing floor slab and size & type of existing main floor beams. Note:- final design of the fixing of the new beams to the existing cannot be carried out until the investigation works has been completed.
4. Break out locally and install new fixing plates / brackets to sides of extg beams (following final design of fixings).
5. Install structural steel beams. Delivery of steel beams may require crainage thro' window opening due to length & weight of members.
6. Install 150mm thick pre-cast concrete beam + block beams and infill blocks.
7. Make good to broken out extg slab / beam encasements at fixing locations.
8. Install 75mm screed with D98 mesh.
9. Install fire protection to steel beams.

GENERAL NOTES

Do not scale this drawing.

Contractor to check all dimensions and report all errors and omissions to the Engineer.

1. Prior to any works being carried out the contractor must carry out a FULL dimensional survey of the area to be infilled including breaking out of the existing walls / floor / beam encasement to allow the connections of the new beams to the existing to be designed.
2. All steel shown to be Grade S275.
3. Steel to be blast cleaned to Sa 2.5 and receive 2 coats of epoxy primer.
4. All bolts to be Grade 8.8.
5. All connections to be designed for a minimum shear of 125kN (ult).
6. Pre-cast concrete beam + block floor to be designed for it's own self weight plus self weight of the screed plus an imposed load of 4.0 kN/m^2 + 1.0 kN/m^2 partitions (total imposed = 5.0 kN/m^2)

Rev	Detail	By	Auth	Date

Revisions

DW Consulting Engineers LLP

Bridgewater House, Bridgewater Street
Sale, Cheshire, M33 7EQ

Tel: 0161 969 4144
web www.dwllp.com

Client

BRUNTWOOD

Project

Bridgewater House
Stair Infills 5th & 6th Floors

Drawing Title

GA & Details of
Stair Infill at 5th Floor Level

Drawing Status

PRELIMINARY

Project No.	Discipline	Drawing No.
DW0183	S	01

Scale	Sheet Size	Revision
1:25 1:10	A1	

Date	Drawn	Checked	Auth
12.4.12	CS	CJC	

DWG INFO: Z:_DW LLP\DW LLP JOBS\DW0183 BRIDGEWATER HOUSE - STAIR INFILLS\DW0183-S-01

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