

DO NOT SCALE, IF IN DOUBT ASK

## Bay Schedule

150 x 168 house beam ec2								
Bay	Quantity	Length	Bay	Quantity	Length	Bay	Quantity	Length
4	25	5500						
150 x 110 Normal HB EC2								
Bay	Quantity	Length	Bay	Quantity	Length	Bay	Quantity	Length
1	2	1675	2	5	1950	2	1	1675
3	14	4550	5	5	4575	6	8	4550
7	4	1325						

Floor Area	84.46 m <sup>2</sup>	Floor Length	280.55 m	Beam Weight	11.40 tonnes
Block Quantity	647 Nos.			Block+Poly Weight	9.19 tonnes

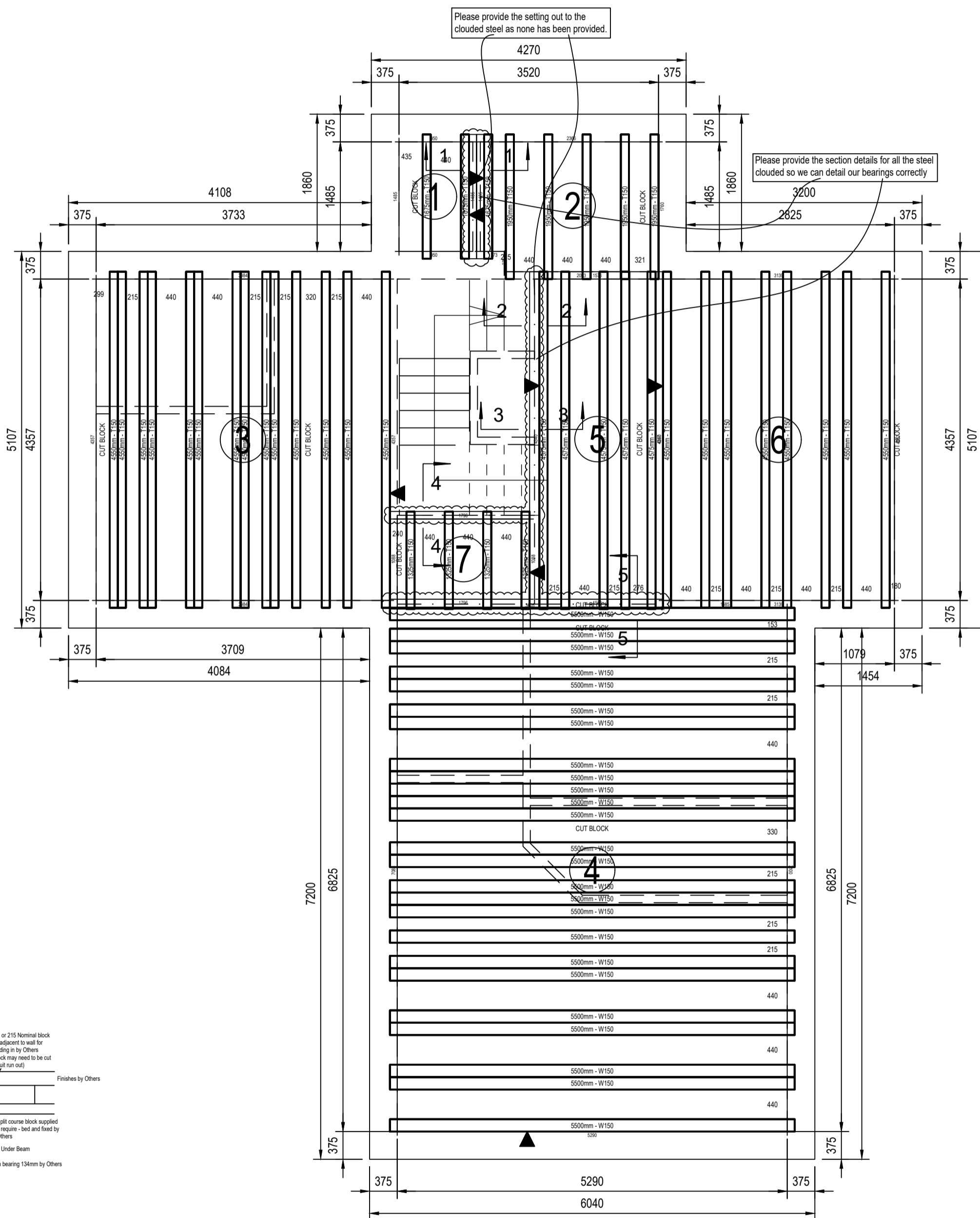
Ancillaries	
Slips: (385x100x40mm)	223 Nos.

Please advise it has been assumed that all partitions are block work walls please confirm if this is correct or not.

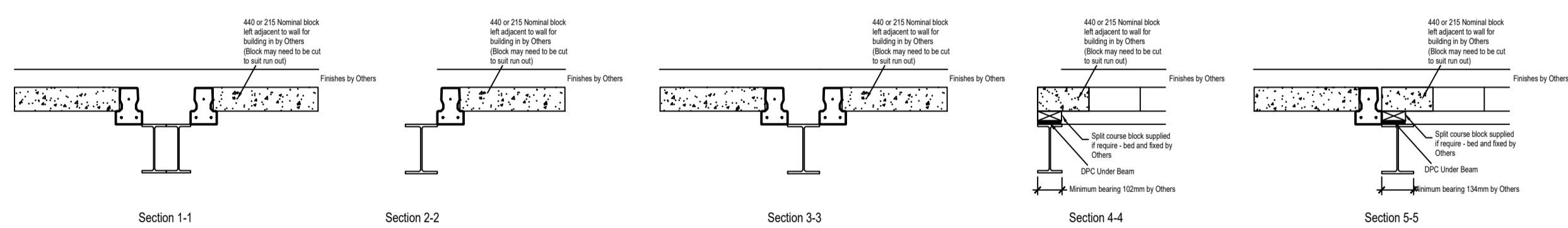
Please advise it has been assumed that the area where the stairs are to rise up to the first floor is to be void.

Please provide the setting out to any service hole which are to rise up through the beam and block.

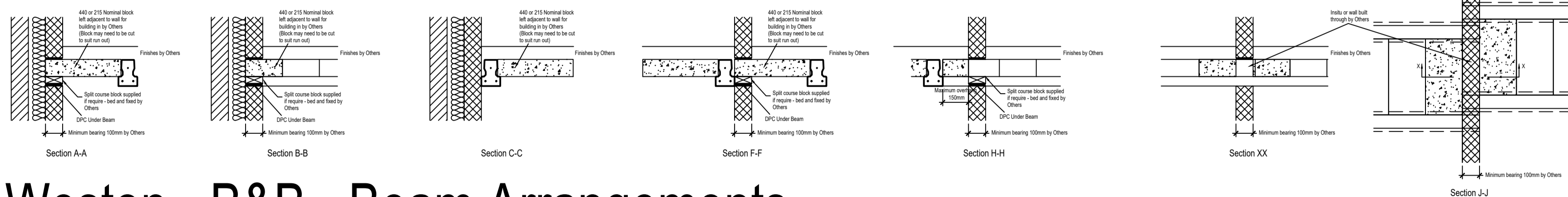
Please provide the load to all the unfounded block work partitions so they can be supported.



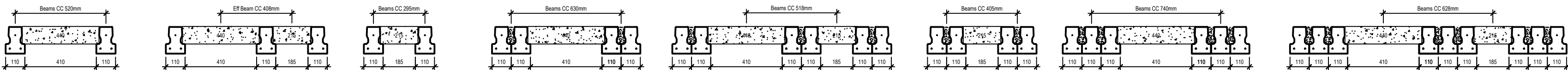
## Steel Bearing Sections



## 100mm Bearing Sections



## Weston - B&B - Beam Arrangements



△ Loading data  
The loading data noted should not be exceeded in the permanent or temporary condition.

Floor Fire Rating: 30 Mins

Loadings:kN/m <sup>2</sup>	General			
SUPERIMPOSED	1.50 kN/m <sup>2</sup>			
PARTITIONS	0.50 kN/m <sup>2</sup>			
SCREEDS & FINISHES	1.95 kN/m <sup>2</sup>			
STRUCTURAL TOPPING	NIL			

Finishes  
Garage Finishes  
Other Finishes  
Block Density kg/m<sup>3</sup>

75mm Screed by Others : (1.80 kN/m<sup>2</sup>)  
Ceiling : (0.15 kN/m<sup>2</sup>)  
2000 kg/m<sup>3</sup>

Notes:  
The Construction (Design and Management) Regulations 2015  
If you are unsure of your responsibilities please refer to the HSE website.

The notes and loading details shown should be read by all CDM dutyholders alongside the layout drawing, section details and additional notes. What we do not go in to specifics such as, working at heights, slips and trips etc, where Δ is shown in the notes and on the drawing some potential hazards/ risks are identified and should be assessed accordingly by the main contractor and his design team prior to any site works commencing.

All installation work should be carried out in accordance with the Precast Flooring Federations Code of Practice which is available as a free PDF download from www.precastfloors.info

The FP McCann CA's should be read in conjunction with all other relevant drawings from the contract design team e.g Architects, engineers, Steel fabricator etc.

△ Bearing  
All bearings for FP McCann beams are to be provided true to line and level by the General Contractor unless stated otherwise. Generally a minimum 100mm on blockwork and 75mm on steel. The project Engineer/Architect is responsible for the design of all supporting structural elements, e.g. Steel beams, blockwork and brick walls etc in both the permanent and temporary condition. Consideration should be given to the stability of the structural elements and temporary loads during the erection of the FP McCann beams.

It is a requirement that all non-load bearing walls be left one course down to aid fixing and be completed afterwards.

△ Isolated Load Bearing Steel Beams  
Isolated steels must be fixed and temporary propping should also be incorporated where the fixed steel beams are likely to torsionally deflect during the installation of the precast. Fixings should not hinder the installation and the design should be checked for temporary loading to avoid torsional collapse during the construction phase. Consideration should be made to the passive fall protection where temporary works such as props are specified.

△ Temporary Works  
FP McCann will not be responsible for the design, supply, erect, maintain and dismantle of any temporary works. This is to be carried out by i) in accordance with the main contractors temporary works engineer.

△ Infill blocks to comply with BS EN 15037-2 for use in beam and block floors and must not exceed mass specified in the loads above.

This floor must be grouted with a 6:1 sand/cement grout, brushed into all joints prior to commencement of following trades.

Garages and areas with a live load in excess of 3.0kN/m<sup>2</sup> to have a concrete screed applied with minimum A8 mesh reinforcement.

△ We have not included in our design for our units to support any upper floor or roof loads.

Any blockwork partitions built off our floor must have additional beams provided to support them and only those indicated on this layout have been allowed for (where applicable).

Where 2 or more beams are positioned side by side, the joint between them must be filled with grade C25/C30 concrete by others.

△ Where beams bear onto splayed walls, the ends may project into the cavity and need cutting back, on site, by others.

Issued for comments/ Approval

Supply Only

Drawing Approval Status		Please ✓ as appropriate
'Option A' No further comments to add, FP McCann may proceed to manufacture and release a 'Construction Issue' layout.		
'Option B' On the basis all comments noted are incorporated, FP McCann may proceed to manufacture and release a 'Construction Issue' layout.		
'Option C' FP McCann are to incorporate all comments noted and re-submit a revised drawing for 'Final Approval'		
Please note Options A & B can only be adhered to on the basis that all outstanding RFIs are resolved. Should any outstanding RFIs remain or a member of the design team select 'Option C' the drawing will be submitted for 'Final Approval'.		
Reviewed By .....	Date.....	

Revision	Revision Notes	Rev. Date	Initial
P3	AMENDED TO SIDE BEAMS	24/10/23	RC
P2	REMOVED BAYS	24/10/23	RC
P1	PRELIMINARY ISSUE	17/10/23	RC

CLIENT:  
**HUWS GRAY**

PROJECT:  
**WILLOW BANK**

DRAWING TITLE:  
**FF DWELLING**

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DATE: 17/10/23	DRAWN BY: RC	CHECKED BY: NIL	SCALE @A1: 1:50
CONTRACT NUMBER: 160663	DRAWING NUMBER: 002	REVISION: P3	