

**FACTORY SPECIFICATION**

**Ground Floor:**  
 U-value: 0.17W/m<sup>2</sup>K  
 Selected Floor Finish - (Site Fitted)  
 50mm Concrete Screed - (Site Fitted)  
 23mm Brio Board on 25mm PIR to wet areas - (Fitted off site)  
 18mm T&G structural Plywood Flooring screwed @ 150c/c along joists.  
 180 x 70 x 2mm floor joists @ 406/300mm c/c.  
 200mm Earthwool Loft Roll between joists.  
 20mm PIR Insulation  
 0.7mm steel mesh underdrawing with 60 - 70% free area.  
 220x89x19x3 Steel floor beams.  
 150mm min. Ventilated void.

**Ground Floor Roof:**  
 300x100x25x5 Steel roof beams.  
 35mm Single skin kingspan metal deck.  
 130 x 50 x 2mm roof purlins @ 600mm c/c.  
 100mm Rockwool Insulation  
 15mm MegaExcel (lay at 90 degrees to the joists) plasterboard screw fixed at 150mm ctrs.  
 12.5mm MegaExcel  
 Fire Mastic seal to all joints and Air Tight Tape.  
 Ceiling Void to required depth.  
 Lay in grid suspended ceiling system - (Site Fitted)

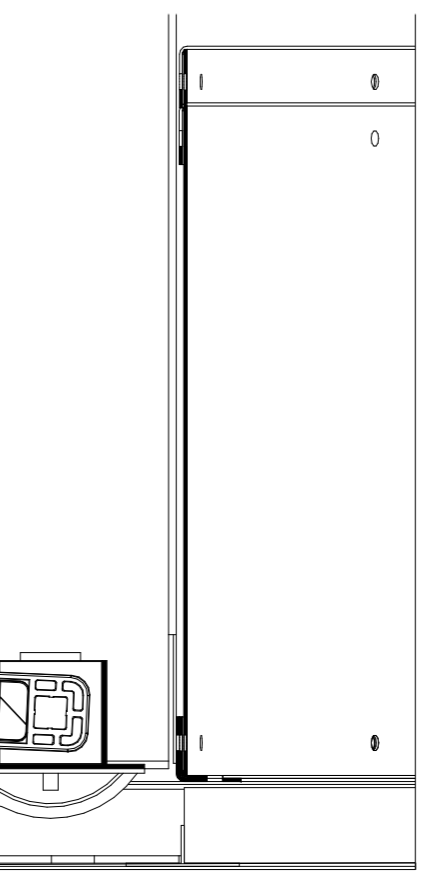
**First Floor Double Story:**  
 U-value: 0.15W/m<sup>2</sup>K  
 Selected Floor Finish - (Site Fitted)  
 50mm Concrete Screed - (Site Fitted)  
 23mm Brio Board on 25mm PIR to wet areas - (Fitted off site)  
 18mm T&G structural Plywood Flooring screwed @ 150c/c along joists.  
 180 x 70 x 2mm floor joists @ 406mm c/c.  
 200mm Earthwool Loft Roll between joists.  
 Vapour Control underdrawing with 60 - 70% free area.  
 300x100x25x5 Steel floor beams

**Flat Roof Double Story:**  
 U-value: 0.15W/m<sup>2</sup>K  
 91mm KS1000 TD Topdek on top of Purlins. IKO Armourplan Slate RAL 7046 Mid Grey PVC  
 130 x 50 x 2mm purlins @ 400/600mm c/c fixed between beams. Refer to Steel drawing for location.  
 150mm Earthwool® Loft Roll 44 insulation between purlins.  
 12.5mm MegaExcel plasterboard foil backed fixed to u/s of purlins.  
 Air tight tape to all joints.  
 340x100x25x5 Steel roof beams. Refer to Steel drawing for location.  
 Lay in grid suspended ceiling system - (Site Fitted)

**Flat Roof Single Story:**  
 U-value: 0.15W/m<sup>2</sup>K  
 91mm KS1000 TD Topdek on top of Purlins. IKO Armourplan Slate RAL 7046 Mid Grey PVC  
 130 x 50 x 2mm purlins @ 300mm c/c fixed between beams. Refer to Steel drawing for location.  
 150mm Earthwool® Loft Roll 44 insulation between purlins.  
 12.5mm MegaExcel plasterboard foil backed fixed to u/s of purlins.  
 Air tight tape to all joints.  
 370x106x25x5 Steel roof beams. Refer to Steel drawing for location.  
 Lay in grid suspended ceiling system - (Site Fitted)

**Hall Roof:**  
 U-value: 0.15W/m<sup>2</sup>K  
 91mm KS1000 TD Topdek on top of Purlins. IKO Armourplan Slate RAL 7046 Mid Grey PVC  
 130 x 50 x 2mm purlins @ 400/600mm c/c fixed between beams  
 420x50x2mm @ 1200c/c. Refer to Steel drawing for location.  
 150mm Earthwool® Loft Roll 44 insulation between purlins.  
 12.5mm Fireline plasterboard fixed to u/s of purlins.  
 Air tight tape to all joints. Taped and jointed with a painted finish  
 420x100x25x5 Steel roof beams. Refer to Steel drawing for location.  
 [Sports Hall Only] - 1200\*1200 EcoPhon Solo Square Sound Baffle with 'ALT1' fixing  
 Class 'C' absorption rate

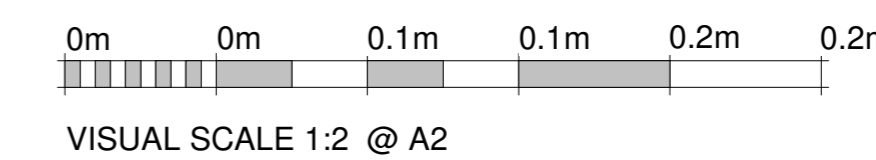
**Type 01 - Corium Brick slip to cill level and render on 9mm Render Cladding Board above:**  
 U-value: 0.21W/m<sup>2</sup>K  
 Corium Brick Slip - (Site Fitted)  
 9mm Render Cladding Board SPS Envirowall Render White - TBC RAL: TBC (Colour TBC). Refer to Elevation for location - (Site Fitted)  
 Metal cladding rails 88mm cavity s. - (Site Fitted)  
 DuPont Tyvek 1560B breather membrane to external face of board.  
 9mm OSB board.  
 174 x 43mm Timber Studs @ 600mm ctrs.  
 180mm Knauf Omnit stud 34 insulation between studs.  
 Tyvek AirGuard reflective vapour control layer.  
 38mm Services Cavity with  
 15mm MegaExcel plasterboard, taped and jointed. (Fire rating TBC)



**LEGEND:**

- 1** Installation at height - Care should be taken when installing high level elements such as roof and lighting elements, and the correct support equipment should be used.
- 2** Maintenance at height - Care should be taken when maintaining high level elements such as roof and lighting elements, and the correct support equipment should be used.
- 3** Roof works - Risk of falling height. Roof edge and void edge protection must be installed prior to any work at height.

Drawing to be read in conjunction with 10A Access to High Level and Maintenance document.



P1.1	IM	Preliminary Issues	11.07.19
No:	BY:	REVISION:	DATE:

STAGE:  
**CONTRACTORS PROPOSALS**



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CLIENT:  
**Initiative**

PROJECT:  
**Collis Primary School**

DRAWING TITLE:  
**Window Bulkhead Interface**

DRAWN BY: IM	CHECKED BY: COC	DATE: 07/09/19
SCALE @A2: As indicated	PROJECT N°: 2025	
DRAWING NO: 2025-ESS-00-ZZ-DR-W-8002	REV <b>P1.1</b>	