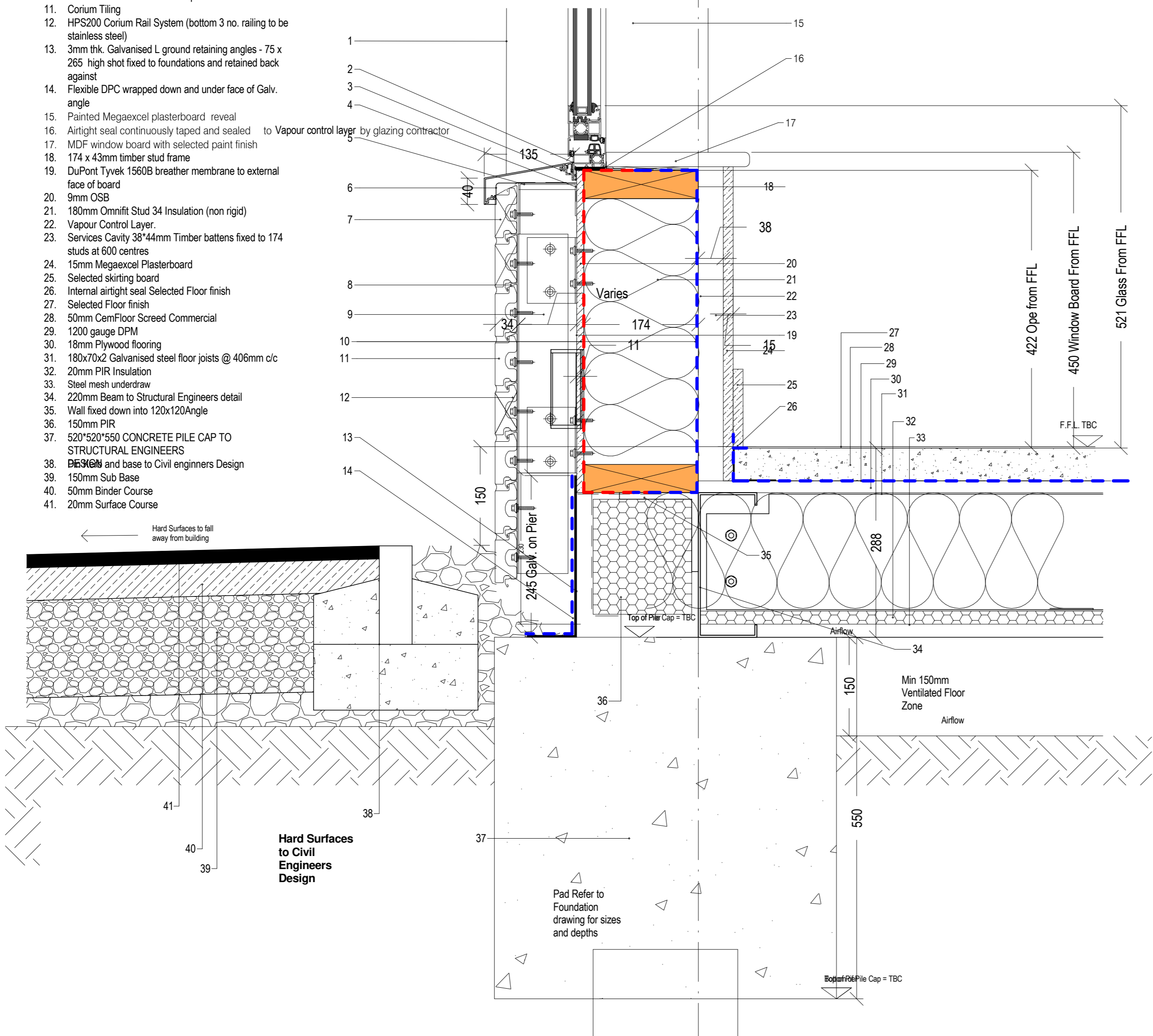


1. Render External Return to window reveals.
2. Full mastic bed between cill and window by glazing contractor
3. PPC Aluminium Cill clip
4. EPDM by Glazing Contractor
5. 75x50x150mm Galv. C-section under sill (min .5mm thick)
6. 2mm PPC folded aluminium cill (rounded edges). Closed at sides.
7. Corium Air Bricks (centers to be confirmed) incorporating perforated rail system behind.
8. 100x75x2mm Angle Bracket 100mm Long, Fixed @ 600 Horizontal ctrs to OSB/Timber studs, @max 1200mm Vertical ctrs.
9. 100x75x2mm Continues Vertical Angle fixed to Brackets to be lined and leveled horizontally and vertically
10. Line of 100 x 100 x 5mm steel post
11. Corium Tiling
12. HPS200 Corium Rail System (bottom 3 no. railing to be stainless steel)
13. 3mm thk. Galvanised L ground retaining angles - 75 x 265 high shot fixed to foundations and retained back against
14. Flexible DPC wrapped down and under face of Galv. angle
15. Painted Megaexcel plasterboard reveal
16. Airtight seal continuously taped and sealed to Vapour control layer by glazing contractor
17. MDF window board with selected paint finish
18. 174 x 43mm timber stud frame
19. DuPont Tyvek 1560B breather membrane to external face of board
20. 9mm OSB
21. 180mm Omnifit Stud 34 Insulation (non rigid)
22. Vapour Control Layer.
23. Services Cavity 38\*44mm Timber battens fixed to 174 studs at 600 centres
24. 15mm Megaexcel Plasterboard
25. Selected skirting board
26. Internal airtight seal Selected Floor finish
27. Selected Floor finish
28. 50mm CemFloor Screed Commercial
29. 1200 gauge DPM
30. 18mm Plywood flooring
31. 180x70x2 Galvanised steel floor joists @ 406mm c/c
32. 20mm PIR Insulation
33. Steel mesh underdraw
34. 220mm Beam to Structural Engineers detail
35. Wall fixed down into 120x120Angle
36. 150mm PIR
37. 520\*520\*550 CONCRETE PILE CAP TO STRUCTURAL ENGINEERS
38. BE361M and base to Civil engineers Design
39. 150mm Sub Base
40. 50mm Binder Course
41. 20mm Surface Course



**FACTORY SPECIFICATION**

**Ground Floor:**  
 U-value: 0.17W/m²K  
 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:**  
 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/m²K  
 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/m²K  
 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/m²K  
 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 'AL11 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/m²K  
 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 Omnifit stud 34 insulation between studs.  
 Tyvek AirGuard reflective vapour control layer.  
 38mm Services Cavity with  
 15mm MegaExcel plasterboard, taped and jointed. (Fire rating TBC)

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

STAGE:  
**CONTRACTORS PROPOSALS**



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 e-mail: info@extraspace.com

CLIENT:  
**Initiative**

PROJECT:  
**Collis Primary School**

DRAWING TITLE:  
**Base Detail - Side Wall - 450mm High**

DRAWN BY: IM	CHECKED BY: COC	DATE: 07/19/19
SCALE @A2: As indicated	PROJECT N°: 2025	
DRAWING NO: 2025-ESS-00-ZZ-DR-W-8028	REV <b>P1.1</b>	

- 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.

0m 0.1m 0.2m 0.3m 0.4m 0.5m

**VISUAL SCALE 1:5 @ A2**