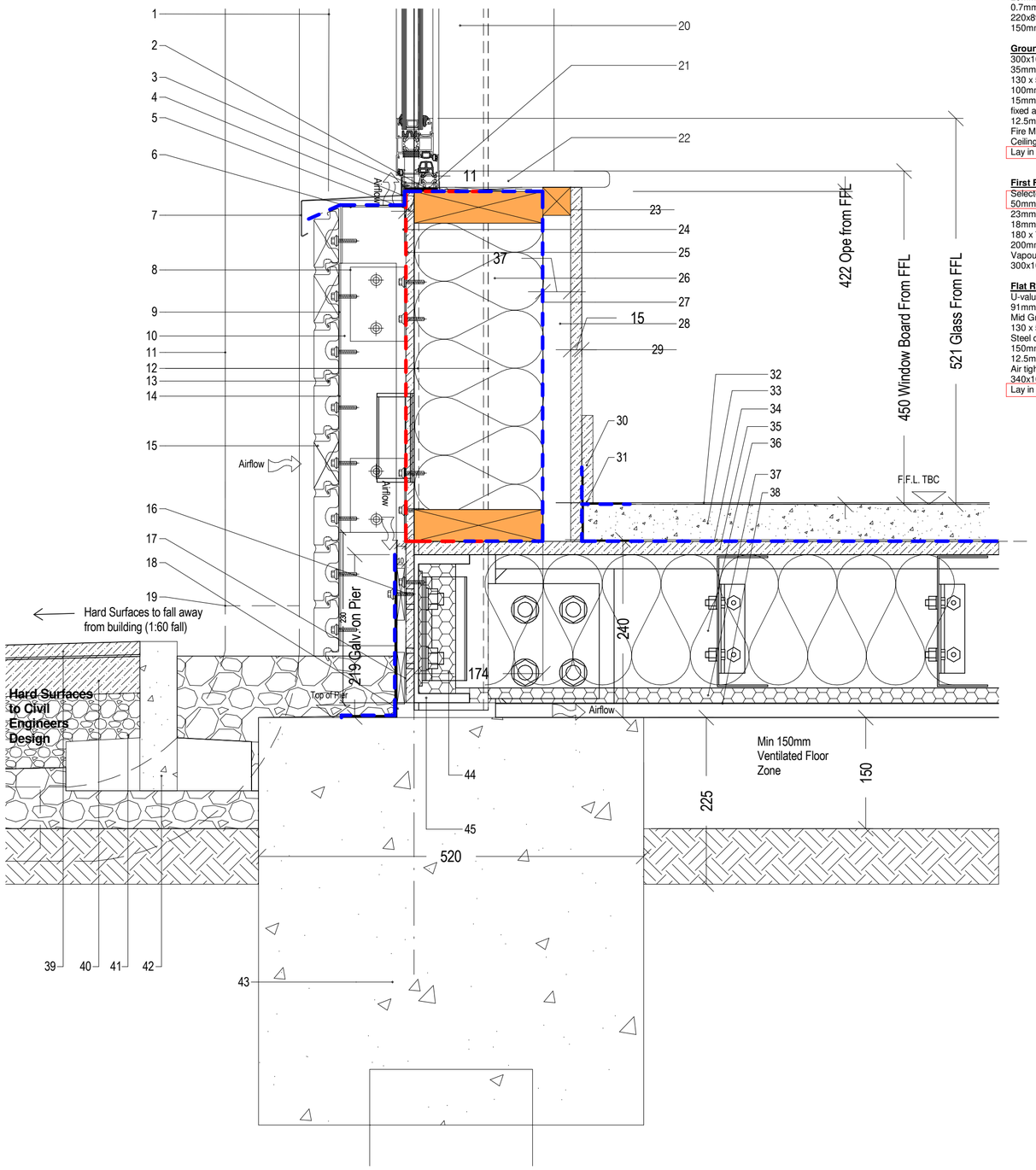
1. Render External Return to window reveals.
2. Expanding Air Tight Tape Seal
3. Full mastic bed between cill and window by glazing contractor
4. PPC Aluminium Cill clip
5. EPDM by Glazing Contractor
6. 75x50x150mm Galv. C-section under sill (min .5mm thick)
7. 2mm PPC folded aluminium cill (rounded edges). Closed at sides.
8. Corium Air Bricks (centers to be confirmed) incorporating perforated rail system behind.
9. 100x75x2mm Angle Bracket 100mm Long, Fixed @ 600 Horizontal ctrs to OSB/Timber studs, @max 1200mm Vertical ctrs.
10. 100x75x2mm Continious Vertical Angle fixed to Brackets to be lined and leveled horizontally and vertically
11. 100mm continuous PPC RW downpipe Exposed. Fixing brackets at 1200 c/c. Downpipes heat sealed at junction with gutter and underground drainage. Anti-climb Pipe Protection to lower half of pipe
12. Line of 100 x 100 x 5mm steel post
13. Corium Tiling
14. HPS200 Corium Rail System (bottom 3 no. railing to be stainless steel)
15. Corium Air Bricks (centers to be confirmed) incorporating perforated rail system behind.
16. 70*70*Plaster Shim Packers fixed at top and Bottom (2x 10mm Shims to achieve air gap of 10mm)
17. 3mm thk. Galvanised L ground retaining angles - 75 x 265 high shot fixed to foundations and retained back against
18. Flexible DPC wrapped down and under face of Galv. angle
19. PVCu drain - Rodding eye at each RWP. See Techniuil drawing 113-17-831 Rev B - Typical Details for further information
20. Painted Megaexcel plasterboard reveal
21. Airtight seal continuously taped and sealed to Vapour control layer by glazing contractor
22. MDF window board with selected paint finish
23. 174 x 43mm timber stud frame
24. DuPont Tyvek 1560B breather membrane to external face of board
25. 9mm OSB
26. 180mm Omnifit Stud 34 Insulation (non rigid)
27. Vapour Control Layer.
28. Services Cavity 38*44mm Timber battens fixed to 174 studs at 600 centres
29. 15mm Megaexcel Plasterboard
30. Selected skirting board
31. Internal airtight seal Selected Floor finish
32. Selected Floor finish
33. 50mm CemFloor Screed Commercial
34. 1200 gauge DPM
35. 18mm Plywood flooring
36. 180x70x2 Galvanised steel floor joists @ 406mm c/c
37. 30mm PIR Insulation
38. Steel mesh underdraw
39. 20mm Surface Course
40. 50mm Binder Course
41. 150mm Sub Base
42. Pin Kerb and base to Civil enginners Design
43. 520*520*550 CONCRETE PILE CAP TO STRUCTURAL ENGINEERS DESIGN
44. 50mm PIR to inside of PFC
45. 200x75 PFC to Structural Engineers detail



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 'AL1 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)

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 proetction must be installed prior to any workd 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

P1.1	IM	Preliminary Issues	11.07.19

No:	BY:	REVISION:	DATE:

STAGE: **CONTRACTORS PROPOSALS**

extraspace solutions
offsite construction specialists

CLIENT: **Initiative**

PROJECT: **Collis Primary School**

DRAWING TITLE: **Base Detail - End wall Nursery**

DRAWN BY:	CHECKED BY:	DATE:
IM	COC	07/18/19
SCALE @A2: As indicated		PROJECT N°: 2025
DRAWING NO: 2025- ESS- 00- ZZ- DR- W- 8027		REV P1.1