



**Outline Specification for
temporary classroom buildings at
Silverwood School**

SYSTEM:

Module:	6 No. of 9.6m x 3.0m Modules
Overall Module Height:	3430mm
Internal Soffit Height:	2407mm
Suspended Ceiling Height:	N/A
Floor Depth:	293mm
Raised access Building.	Height will depend on site conditions.

Roof Detail:

- Decking - Profiled steel composite insulated
- Sheeting: Kingspan LP colour coated roof sheet
Infill with Space saver insulation
- Soffit: Fixed Vinyl faced plasterboard.
- Design load: 0.60 KN/m²
- Slope: 1.5o deg, dual way fall
- Colour: Albatross Grey – BS 18B17
Roof space filled with spacesaver.

External wall panels:

- Outer facing - Flat plastisol coated steel sheet on 6mm Atlon back-in board.
- Inner facing 15mm plasterboard.
- Core - Solid sheet EHD insulation set into a timber frame.
- Colour: Albatross Grey - 18B17.

Dry Lining:

- LGS 70 'C' stud at 600mm centres.
- Rockwool RWA45 insulation infill between studs.
- One-layer 15mm GTEC Vinyl Faced Fire board
- fixed using 25mm screws at 300mm centres.

Floor Detail:

- 25mm Plywood floor on light gauge steel frame with timber packers.
- 48mm timber packer.
- 100mm poly insulation on galvanized hangers with spacesaver insulation over.
- 220mm Galvanized steel profile floor beam.

External Features

Fascia's:

- Colour coated steel profile
- Colour: Albatross BS 18B17.

Rain Water Goods:

- Gutters: uPVC 100mm OSMA squareline
- Downpipes: uPVC, 61mm Square section
- Colour: White 00E55

External Doors:

All external doors will be Britannia Metador 'defender' steel doors.

The external doors have the following makeup:

- Structural Opening - 1200mm x 2100mm
- Overall Frame Size - 1190mm x 2090mm
- Heavy Duty Door Leaf - 1.5mm thick galvanized steel skin c/w Rockwool Core
- Heavy duty Frame - 2mm galvanized steel 90mm single rebate
- Weather seals - included
- Hinges - stainless steel c/w hinge bolts
- Threshold - Chamfered low-profile stainless steel (DDA compliant)
- U Value - 1.6 W/m² oC
- Britannia Metador 'Defender Safeguard' steel
- doors, powder coat finish
- Colour: Door: Orange RAL 2008
- Frame: Albatross BS 18B17.

Windows:

- All windows will be of unplasticised polyvinyl chloride (uPVC) construction and will incorporate trickle ventilation along with friction hinges and lockable "espagnolette" handles. Inner reveals and cills will be a PVC finish.
- Standard glazing type will be double glazed with 4mm E float inner, 16mm cavity and 4mm float outer. Low-level windows will have toughened glazing for the lower pane.
- The windows sizes are the following:
 - Low level - 860mm x 1660mm - Cill height of 410mm
 - U Value - 1.6 W/m² oC
 - uPVC frame double glazed windows.
 - Lockable windows on restrictors
 - Anti-ligature blinds
 - Colour: White 00E55.

Main Entrance - Canopy:

- HOC Type 'A' Polycarbonate Curved Door
- Canopy 1425 x 755mm 316 stainless steel Structure.
- Full mild stainless-steel structure comprising 2 No. type A wall brackets; 2 Curved cross rails complete with 6 mm thk UV Stable polycarbonate fixed with 316 grade stainless steel bush/clamp fittings.
- All stainless-steel parts are supplied in 316 marine grade stainless steel DP2 finish.
- Colour: Grey/Silver RAL 9006.

Internal Fit-Out & Internal Finishes

Internal Door Sets:

- Flush melamine faced
- Ironmongery: SSS Round bar lever handles
- Where specified door vision panels are 200 x 1450 glazed Pyrodur clear non-wired safety glass, offset to the handle side
- c/w finger guards, Black RAL 9005
- Door colour: Lancaster Oak
- Ironmongery colour: Chrome
- Finger guards to all doors
- Lining: Merlin grey 18B25.

Internal Partition:

- Facing Outer Layer(s): - 1x 15mm GTEC Fire Board.
- Studs: - Single CS70/Rx 'C' Studs at 600mm centres.
- Insulation: - 25mm 16kg/m³ glass mineral wool.
- Weight: - 26kg/m²
- Max height: - 3.4m
- Overall Thickness: - 100mm
- Fire Performance: - 60mins
- Strength Duty Rating: - Heavy
- Acoustic Performance: - 45dB

Teaching Wall:

- Teaching walls with dado trunking in each classroom with suitable power outlets and RJ45 data outlets linked back to the data cabinet

Base Units:

- Material: Melamine.
- All Kitchen unit doors to be lockable, double classrooms only
- Colour: Natural Oak.

Work Tops:

- Material: Laminate.
- Colour: Limasurf.

Integrated Plumbing System (IPS):

- Material: inhouse chipboard with melamine finish
- Colour: Light grey with dark grey edging.

Selving:

- 3 Tier spur shelving
- Material: Melamine faced chipboard
- Colour: White.

Mirrors:

- 600mm x 450mm, one over each WHB
- 1000mm x 450mm, set 600mm above f.f.l. opposite the WHB in disabled W.C. and male and female changing rooms

Splash backs:

- 300mm high melamine splash backs to the sink base unit area

Coat Hooks:

- Material: Stainless Steel on MDF back-board
- painted merlin grey 18B25.

Ceiling:

- Vinyl Face plasterboard with pvc cover strips
- Colour: White 00E55.

Walls:

- Vinyl Faced plasterboard with pvc cover strips
- Siniat Partition types (refer to partition type detail)
- 16mm Ply Patress inside the 'C' stud (where applicable)
- Colour: White 00E55

Floors:

- Vinyl to classrooms (with joining strip at bay joints) and lobby
- Non-slip vinyl to Store, toilets & wet areas
- Colour/s: Grey
- Barrier mat to entrance
- **Lobby Area to be supplied and installed on-site**

Internal Skirting:

- Plastic skirting to all other areas.
- Colour: White 00E55.

Internal Joinery / Architraves:

- Colour: Merlin grey 18B25

Mechanical

Hot and Cold Water

- Hot and cold-water supply pipe work shall be Speed Fit and shall be distributed throughout
- Hot Water Supply shall be fed via point of use electric water heaters
- Hot water taps to be provided with WRA thermostatic control valves
- The following has been allowed:
- 1 No. 3kw 50 Litre water heater
- Cold water supply shall be fed directly off incoming water mains (we assume a pressure of 3 bar is existing). PRV has been allowed for on each cold main. 3 No. incoming mains will be required.

Sanitaryware

- All sanitaryware taps and waste will be as follows:
- 3 No. W.C suite standard height back to wall with plastic cistern low level dual flush
- 4 No. Wash Hand Basins Std. complete with brackets and push button taps 450mm
- 1 No. Less able Doc M compliant W.C
- 2 No. Stainless steel sink top sit on with level taps

Insulation

- Unless otherwise specified insulation shall be split rigid foam
- Installation shall be fitted only to pipework concealed in boxing or where there is a risk of freezing for example un-heated areas

Electrical

Mains:

- 6 No. 8way SP MCB board c/w isolator, RCD's and MCB's
- 6 No. 32amp IP67 male socket outlet
- 1 No. All necessary earthing

Lighting:

- 12 No. 1500mm twin direct/indirect LED modulars
- 6 No. 1200mm single LED battens
- 4 No. 10watt LED weatherproof bulkhead c/w photocell
- 7 No. Presence detectors
- 2 No. 2gang lighting switches

Small Power:

- 10 M 2compartment dado trunking
- 12 No. 13amp twin socket outlets
- 2 No. 20amp DP switch controlling H/L socket
- 2 No. 13amp spur outlets (w/h)

Heating:

- 4 No. 3kw Dimplex panel heaters c/w stat and timer
- Panel heaters to be fitted with protected guards
- 3 No. H/L downflow heaters c/w stat and timer
- 7 No. 13amp spur outlets
- 4 No. Extract fans c/w run on timer

Disabled Alarm:

- 1 No. Complete disabled alarm c/w over door light, emergency pullcord and a reset unit

Fire Alarm:

- Standalone fire alarm unit

Data Cabinet:

- Data provision with data cabinet and Wi-Fi points, one Wi-Fi point/classroom included.

The following items have not been included within the above outline specification

- These items are the following:
- Comfort Cooling
- Voice and Data
- Carpet tiles flooring
- Non-slip vinyl flooring to lobby area

If there is a requirement for Rollalong Ltd to include any of the above items, this will be subject to a variation of cost.