



**GENERALLY:**

The units must be low maintenance security buildings designed and value engineered to provide long life durability, defeat unauthorised entry and combat vandalism.

**FLOOR**

Agreement certified moisture resistant heavy duty tongued and grooved flooring grade strand board fixed to joists. Galvanised steel joists at 300mm centres supported on welded steel angle perimeter base frame which is in turn supported on rolled steel channel skids extending the full length of the building. The whole floor should be underdrawn with arson resistant galvanised sheet steel. The floor covering shall be a heavy-duty flexible sheet vinyl, with continuously welded joints and bonded to floorboards. Floors shall be designed to provide for a uniform floor loading of 2.5kn/m2 to include insulation.

**EXTERNAL WALLS**

The external walls shall be fully galvanised structural steel panels 305mm wide with integral supports. Wall sections shall be welded to the perimeter of both base frame and roof perimeter gutter. Internal finish shall be embossed vinyl wall covering laminated to 12.5mm plasterboard lining and providing a class 'O' surface spread of flame with extruded plastic joint strips. Wall cavities shall be insulated with 80mm

non combustible fibrous insulation and provides a 'U' value of 0.44w/m<sup>2</sup>c. External finishes shall be spray applied semi-gloss fast enamel to BS 4800 with trims including base and jacklegs in a contrasting colour. Zinc rich galvanic primer shall be applied to all external mild steel surfaces and weld areas, all panel joints shall be polyurethane sealant sealed. Natural trickle ventilation shall be achieved by the incorporation of high and low level permavents. The external walls of the units to have timber cladding (Cedar or equivalent to be agreed)

**ROOF**

Heavy duty fully galvanised and mechanically interlocking structural steel panels to be riveted, bonded and sealed with polyurethane adhesive. Rainwater shall be discharged at each corner via a perimeter galvanised steel guttering system. The internal ceiling finish shall be embossed vinyl covering laminated to 12.5mm plasterboard lining providing class 'O' surface spread of flame fire rating as standard. The roof shall also incorporate fibrous insulation and provide a 'U' value of 0.44w/m<sup>2</sup>c. The changing rooms require a sloped roof as per constructed of a corrugated galvanised roof with square box galvanised gutters 100mm x 75mm surrounding the roof powder coated to agreed colour.

**WINDOWS**

Maintenance free aluminium framed polyester powder coated windows (to agreed colour) with top opening casements and satin anodized aluminium casement stays glazed in 4mm float glass. Heavy duty horizontal sliding galvanised steel window shutters with internal single person operation to be fitted as standard including locking bolts. High-level windows with secure grilles/shutters. Approx. size 690x290mm double glazed aluminium frames. Toughened safety glass.

**EXTERNAL DOORS**

External doors to be constructed from galvanised steel powder coated (to agreed colour) and fully insulated. The doors shall have a clear opening of 840x1940mm the single outward opening door hung on a zinc plated full height 'piano' hinge welded to both door and steel frame and fitted with two five lever mortice deadlocks, a mortice latch, SAA lever furniture, and anti-jemmy security features. The door shall also incorporate fibrous insulation and provide a 'U' value of 0.697w/m<sup>2</sup>c.

**INTERNAL DOORS**

726mm wide doors factory pre-assembled. Doors shall be fitted with chrome furniture and either a latch handle; optional mortice lock or bathroom furniture. Doors to toilets in changing

rooms to be high quality and durable sliding door system.

**INTERNAL PARTITIONS**

- Standard: - Class 'O' vinyl faced 12.5mm plasterboard partition with extruded plastic joint strips and 1.25mm galvanised steel channel studding.

**SANITARY WARE SCHEDULE:**

- All fixtures and fittings and sanitary ware shall be in new or as-new condition and fully functional.
- Wash hand basins to be white ceramic with thermostatic basin mixer, water supply to wash hand basin shall not exceed 40°C.
- WC pans to be white ceramic back to wall with low water usage dual flush concealed cisterns seat to be colour matched to pan and meet the requirements of BS 1254 and kite marked. Pan connector to be colour matched to pan and meet the requirements of BS 5627.

**FURNITURE:**

- Internal furniture to consist of benches as shown in changing rooms and refs room.



Drawing Title: ALL WEATHER PITCH AT OATLANDS COLLEGE Pre-Fabricated Changing Units	Drawing Number:	Revision:	Scale:	Date:	Drawn:	Checked:
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