



**GENERAL NOTES:**

**ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO WORKS COMMENCING.**

**Roof construction to be an inverted bitumen roof on composite concrete deck (laid flat) with tapered insulation and biosolar vegetation layer, supplier Bauder.**

**MAIN TEACHING BLOCK:**

**Nom. zero 1.43 - 1.85 degree pitch formed by tapered insulation on 140mm composite deck (no gutters required).**

**ENTRANCE CANOPY:**

**Nom. zero 1.43 - 1.85 degree pitch formed by timber joists / firrings / deck on steel sub frame with single ply membrane finish (no gutters required).**



Min. 600mm wide 600x600x50mm slabs for maintenance access, exact layout TBC to suit roof equipment & access hatch locations



Mild steel tubular balustrading around large openings min. 1100mm above finished roof level

**NOTE: Roof duct runs, PV locations and roof mounted MEP equipment is shown as preliminary - full MEP coordination to be completed at next stage.**

**ROOF TECHNICAL ANNEX COMPLIANCE NOTES:**

**Technical Annex 2C: External Fabric**

Chutes shall be designed and coordinated with hopper outlets to ensure full flow with no backwashing. Weirs shall be sized and located to provide surcharge overflow as required by the design. [Ss\_30\_75]

Downspouts, hoppers and gutters shall be fitted with mechanically fixed leaf guards to act as a guard against blockages from balls, vegetation, birds' nests and other objects. [Ss\_30\_75]

**Allowance to be made for emergency overflow or emergency outlets, exact quantity, location & detail TBC with roofing specialist. Each hopper to have a leaf guard and weir.**

**Technical Annex 2F: Mechanical Services and Public Health Engineering references BS EN 12056: 7.4 Emergency outlets**

Overflows or emergency outlets should be provided on flat roofs with parapets and in non-eaves gutters in order to reduce the risk of overspilling of rainwater into a building or structural overloading.

**OUTLETS:**

Roof design to incorporate Alutec Elite PC300 wide parapet outlets, felt flange or similar approved at each rwp/outlet location, allow 8No. to main block and 1No. to canopy. Suitable for use in a parapet or through-wall applications, outlet features a large rectangular spigot which improves the flowrate performance. Supplied with a factory bonded bituminous membrane flange. Designed & installed by specialist sub-contractor in line with Architectural design intent.

**RWP's & HOPPER HEADS: Nom. 8No. to Main Roof / 1No. to Canopy**

RAL 7024 (Grey) TBC, PPC aluminium square profile anti-climb, exact numbers & sizes to specialists design, hoppers to include overflow weir and leaf guard

**PARAPET UPSTAND: Min. 250mm hgt.**

60mm IKO Entherm upstand board fixed to concrete upstands with roof membrane finish applied. Upstand 'top' to include 18mm plywood with 60mm insulation over, exact details to specialists design.

**PARAPET CAPPING / EAVES FASCIA:**

PPC aluminium capping with nom. 150mm deep 'frontage' & associated galvanised steel capping support bracket to suit overall wall thickness, Capping colour - Grey RAL 7024.

**FIXED LADDER ROOF ACCESS HATCH: 2No. Total**

BLCO E-50TB 915x915mm structural opening or similar approved, wall fixed steel ladder to suit nom. 4000mm roof height to specialists design.

**ROOFLIGHTS: 1No. Total**

Velux Modular Skylight Longlight system or similar approved built off suitable upstand to specialists design.

Nominal overall clear structural upstand opening sizes based on Velux rooflight typical fabrication drawings:

**Overall size 4000x1200mm (4No. panes at 1000x1200mm)**

Proposed pitch of 5 degrees with 35mm maximum glazing thickness.

All glazing to be in accordance with approved Document Part K.

**ACOUSTIC PLANT SCREEN: Exact size tbc by MEP**

2000mm min. high vertical timber boarded screen supported on steel subframe fixed down to base via steel plates to struct eng design. Exterior grade mineral wool provided to inner face fixed in pace with mesh. Hinged access gate to be provided as shown on plan.

Rev	Date	By	Description
P01	05.02.26	SDH	Preliminary Stage 3 Issue

Client:  
**Galliford Try**  
Project:  
**Bexley Rd - Transitional Learning Centre**

Drawing:  
**Proposed GA Roof Plan**

Workstage: **Design** Author: **SH** Approved: **CSM**

POZ Project Number: **6356** Status: **S3** Rev: **P01** Scale at A1: **1 : 100**

Drawing No.: **BTLC-POZ-ZF-DR-A-2001**



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