



1- Proposed West Elevation - GA
Scale: 1 : 100

MATERIALS KEY

Material Type 01
Type: Composite Cladding
Reference: TBC.
Thickness: 240mm.
Modular Width: 1000mm.
Colour: Orbite Red
Fixing: Secret fix.
Drawing: Britannia reference 1901 / 003 / B, dated 28.12.18; TBC - subject to Building Regulation Approval.

Material Type 02
Type: Composite Cladding
Reference: TBC.
Thickness: 240mm.
Modular Width: 1000mm.
Colour: RAL 7016
Fixing: Secret fix.
Drawing: Britannia reference 1901 / 003 / B, dated 28.12.18; TBC - subject to Building Regulation Approval.

Material Type 03
Type: Fibre Cement Board
Reference: Equitone TE15
Thickness: 8mm.
Colour: Argent Grey
Fixing: Stainless Steel Rivets
Drawing: Britannia Site Solutions Ltd., 1901/005/C1

Material Type 04
Type: Metal Standing Seam Cladding
Reference: Euroclad Vieo Aluminium
Thickness: 0.9mm
Colour: RAL 7000
Fixing: Secret fix
Drawing: Britannia Site Solutions Ltd., 1901/004/C1

MATERIALS KEY (continued)

Material Type 05
Type: Windows
Reference: AluK System 77IWE thermally broken suite of sections complete with integral cill.
Glazing: Generally double glazed units consisting of toughened / eat soak tested Planitherm One x argon gas filled cavity (black warm edge spacer) x heat strengthened clear laminate generally.
Type varies depending on location.
Drawing: Aluminium Sashes Ltd., 8627 - D03/A

Window flashings (soffits, reveals):
Type: Aluminum.
Finish: Powder Coating.
Thickness: 60 microns.
Colour: RAL 7016 matt (SL816G) all locations.

Material Type 05A
Type: Curtain Walls
Reference: AluK System SL52 thermally broken suite of sections.
Glazing: As Material Type 05.
Drawing: Aluminium Sashes Ltd., 8627 - SP01/B.

Material Type 05 / 05A Finish
Finish: Powder Coating.
Thickness: 60 microns.
Colour: Toughened / curtain walling / door frames / door leaves generally RAL 7016 matt (SL816G).
Door leaf ED.01 only RAL 7047 matt (SL247E).
Mastic: Low modulus silicone sealant (Dow C60)
Colour: Anthracite.

Material Type 06
Type: Spandrel Panels
Glazing: Toughened / heat soak tested Cool-Lite SKN 176 x argon gas filled cavity (black warm edge spacer) x toughened / heat soak tested ceramic.
Type varies depending on location.
Drawing: Aluminium Sashes Ltd., 8627 - D03/A.

MATERIALS KEY (continued)

Material Type 07
Type: Facing Brickwork
Bricks: Blue Engineering.
Lap: Half lap stretcher bond.
Mortar: Colour matched to brickwork.
Joints: Recessed.
Reference: BRA NBS Clause F10 / 115.

Material Type 08
Type: External Doors, outward opening, proprietary insulated sets.
Material: Steel
Finish: Powder Coating.
Colour: RAL 7016, Matt.
Thickness: 60 microns.
Reference: BRA NBS Clause L20 / 285.

Material Type 09
Type: Fixed mesh screens incorporating outward opening external door sets.
Material: Gladstone PC 100/10 Architectural Wire Mesh; stainless steel.
Finish: Self.
Frame: Stainless steel.
Fixing: Mechanically (through frame), into prepared openings.
Reference: BRA Drawing 210034.

Material Type 10
Type: Powered roller shutter door.
Material: Steel
Curtain: Solid steel lath.
Finish: Galvanised.
Operation: Electrical.
Reference: BRA NBS Clause L20 / 610A.

MATERIALS KEY (continued)

Material Type 11
Type: Plant Room Louvre Bank.
Material: Aluminium.
Finish: Powder Coating.
Colour: RAL 7016, Matt.
Thickness: 60 microns.
Reference: BRA NBS Clause L10 / 652.

REFERENCES

Cladding Panel Joints
Refer to BRA Drawings:
020020 - East and West Elevations
020021 - South Elevation

Cavity Barriers (External Walls)
Refer to BRA Drawings:
680120 - West Elevation
680121 - North Elevation
680122 - East Elevation
680123 - South Elevation

Window Louvres - Live

Mechanical Plant venting through louvres (via connection into back of louvre blanking panels), based on agreement reached at M&E Meeting held at HLP Offices 03.07.19:

For finalised details refer to the following Evans Electrical Drawings:
0991583-HL-XX-99-GA-M-570-0902
Lower Ground Floor Ventilation
0991583-HL-XX-00-GA-M-570-0002
Ground Floor Ventilation
0991583-HL-XX-01-GA-M-570-0102
First Floor Ventilation
0991583-HL-XX-02-GA-M-570-0202
Second Floor Ventilation
0991583-HL-XX-03-GA-M-570-0302
Third Floor Ventilation

Boyes Rees to be advised of any change to the information referenced to enable update of BRA information.

- (NV) Internal space naturally ventilated. Louvre blanked off. 2 x opening lights. Trickle ventilation.
- (L) Live Louvre; services interface to rear.
- (BB) Live Louvre; Breathing Building (BB) unit interface to rear - no mesh protection required (BB / FPH Design Input, 03.07.19).
- (I) Live Louvre; mechanical plant interface to rear - insect mesh protection required (BB / FPH Design Input, 03.07.19).

NOTE:

- Where no annotation, louvres are not live / closed off internally with an insulated blanking panel, all as part of window assembly / installation.
- Annotation refers to window below.

DESIGN INPUT REQUIRED
Location of all external wall mounted lighting to be confirmed; HKP.

Rev	Date	Description	By
C06	04.07.19	Louvre types clarified ref. Hoare Lea and Partners Meeting 03.07.19. Naturally ventilated windows identified. Design Input note added.	JF
C05	01.07.19	General update. Material Types 01 / 02 updated. Material Type 05 (windows), cill / opening flashings added. Material Type 05A (curtain walls) added. Live window louvres indicated where relevant. Window / curtain wall numbers added.	JF
C04	11.06.19	Lightning conductor tape routes indicated. Note regarding service penetrations / References added.	JF

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Project Title:
Torfaen 6th Form Centre

Drawing Title:
External Building Elevations
West GA

Drawn By: RJH Checked by: JF

BRA Project ref: 5861 Scale: 1 : 100 original paper size of A1

Revision: C06 Revision Date: 04.07.19

Status: B Suitability Description: Issued for Construction with areas in Abeyance

Project	Originator	Volume	Level	Type	Role	Number
5861	BRA	00	ZZ	DR	A	020001