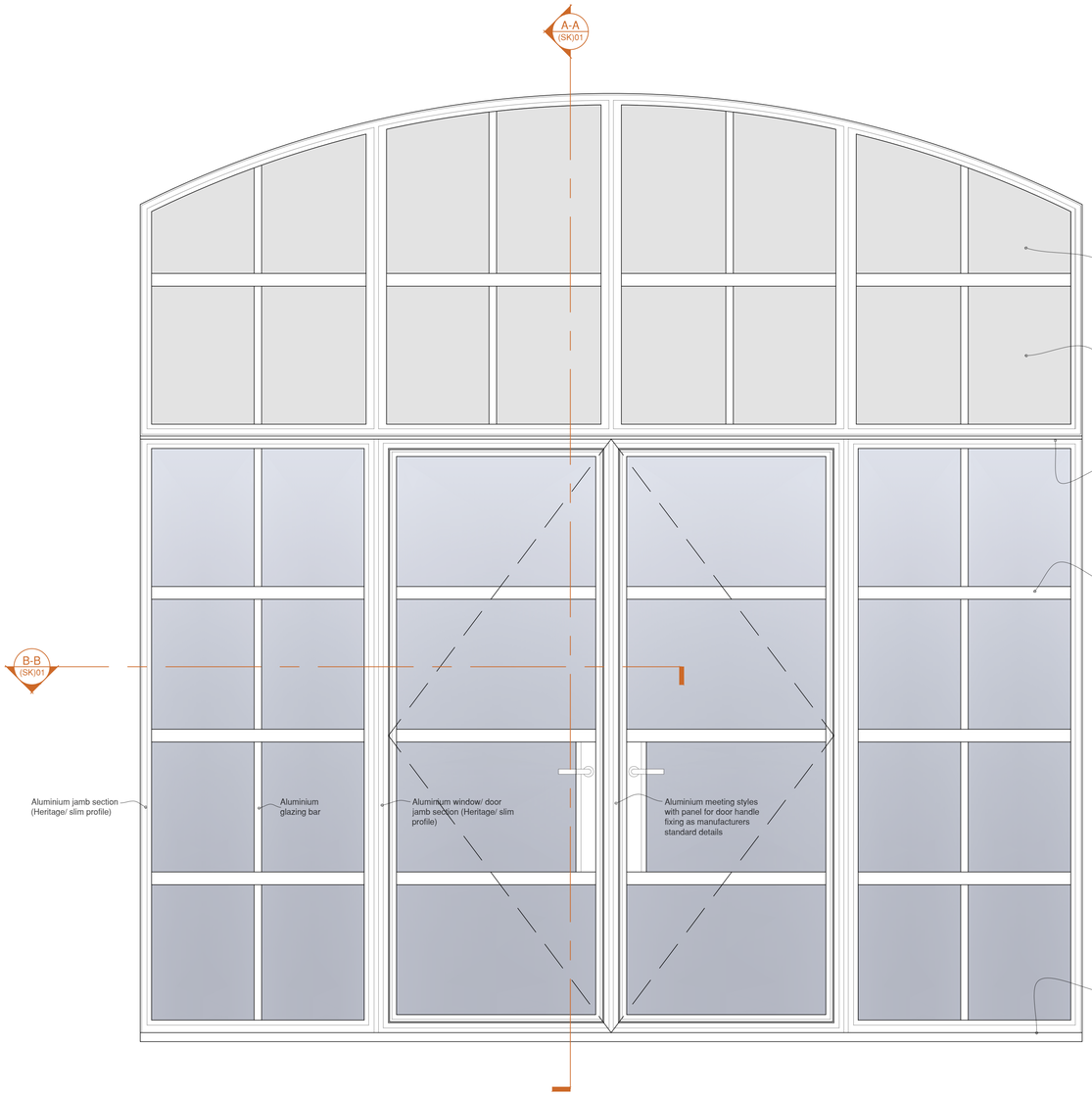
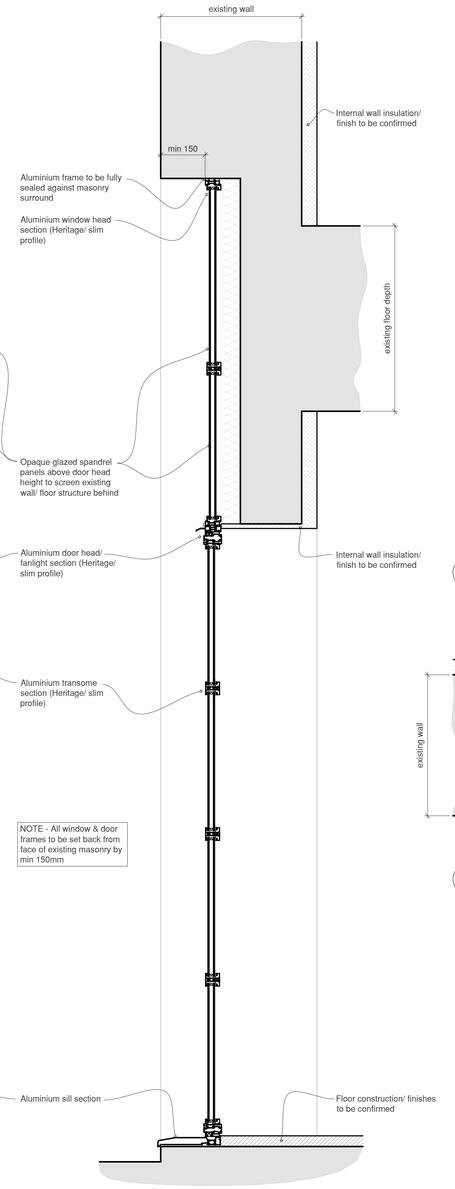
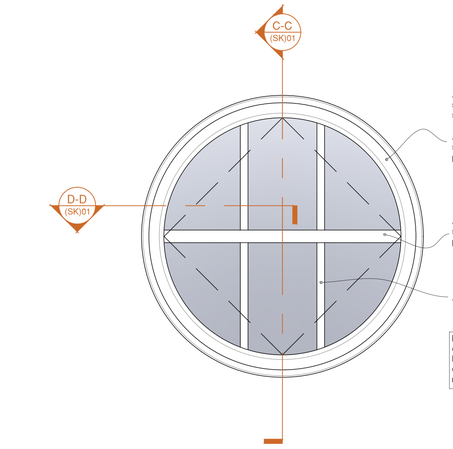


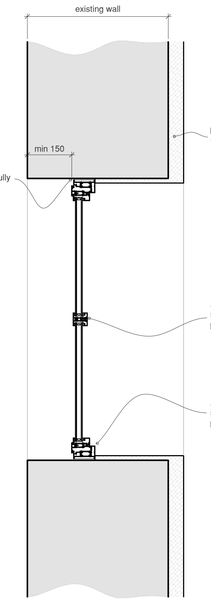
1 BARN DOOR ELEVATION
SCALE 1:10



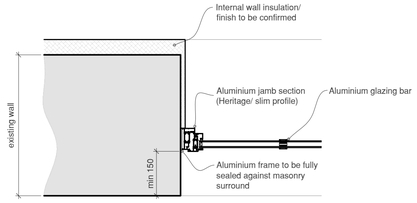
2 SECTION A-A
SCALE 1:10



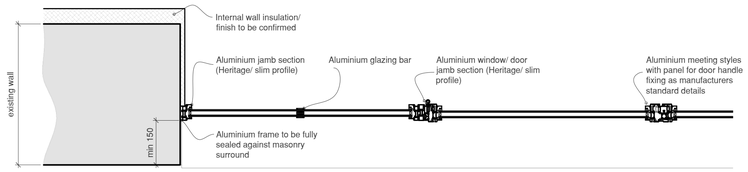
4 CIRCULAR WINDOW ELEVATION
SCALE 1:10



5 SECTION C-C
SCALE 1:10



6 SECTION D-D
SCALE 1:10



3 SECTION B-B
SCALE 1:10

REFER TO DRAWINGS (AL)130 & 132 FOR LOCATION OF WINDOWS/ DOORS

0 0.5 1m
SCALE 1:10

Aluminium Doors - Performance Specification

Materials: All profiles are extruded from aluminium alloy 6060/6063 T5/T6 and comply with the recommendations of BS EN 12020-2; 2001/BS 755-9: 2001. Thermal breaks are formed with polyamide strips PA 6.6 25 reinforced with glass fibre sections capable of withstanding temperatures up to 200°C for over painting.

Performance: Fully rebated Frames -
Air Permeability - Class 4 600Pa -Open in and Out.
Watertightness - Class 8A 450Pa (O-Out). Class 3A 100Pa (O-In)
Wind resistance - Class 3A - 1200Pa.

Exposure: Design Wind Pressure TBA

Thermal: All doors, in conjunction with a suitable glazing specification, to achieve an average project U-value to meet the current requirements of the approved Building Regulation Document L1/L2 for England and Wales. Target window U-value TBA.

Construction: All doors shall be manufactured, installed and glazed in strict accordance with manufacturers instructions and guidelines as set down in the appropriate technical literature, details and specifications. Depth of outer frame sections shall be 47mm stepped internally to 52mm incorporating two 22mm polyamide thermal break sections within the window profiles. All outer frame and vent members to be 45° mitred corner construction, reinforced by means of extruded aluminium cleats and stainless steel corner braces. All corner joints to be secured by gluing & crimping. All mullions and transoms are to be cut/shaped and secured using either stainless steel screws driven into integral screw ports within the sections or special T cleats. All joints are to be sealed during construction using suitable 'small gap' sealant. The doors to incorporate an internal pressure equalized drainage system with concealed down drainage through a sub sill or frontal drainage with snap on cover caps.

Finish: Internal Colour: TBA External Colour: TBA

Glazing details: Glazing shall be site glazed. Doors shall be double glazed and internally beaded.
Unit thickness - Overall thickness of 24 or 28mm. All doors to be dry glazed using shuffle extruded aluminium beads and EPDM extruded gaskets.

Fixing: All fixings to be in strict accordance with the relevant British Standards, including BS 6262 and BS8213 Part 4: 2007. Ensure the door is retained securely within the opening without incurring any damage or distortion to the door frame. Generally, fixings to be positioned 150mm from each corner and 100mm from each mullion/transom and at centres not exceeding 600mm. Fixing lugs/straps only to be used where they can be suitably concealed to approval. All fixing of doors to the supporting structure to be achieved using a suitable lug and/or frame anchor fixing method capable of accommodating all applicable loads, deflection, tolerances and expansion expected on site.
Details of the proposed fixing method shall be submitted to the project engineer for approval prior to installation.

Aluminium Windows - Performance Specification

Materials: All profiles are extruded from aluminium alloy 6060/6063 T5/T6 and comply with the recommendations of BS EN 12020-2; 2001/BS 755-9: 2001. Thermal breaks are formed with polyamide strips PA 6.6 25 reinforced with glass fibre sections capable of withstanding temperatures up to 200°C for over painting.

Performance: Product tested to BS6375: Part 1.
Air Permeability Class 4 600Pa. . (Tilt-Turn -Class 4 600Pa)
Watertightness Class 9A 600Pa (Tilt-Turn -Class 9A 600Pa)
Wind resistance Class AE 2400Pa (Tilt-Turn -Class BE2400)

Exposure: Design Wind Pressure TBA

Thermal: All windows, in conjunction with a suitable glazing specification, to achieve an average project U-value to meet the current requirements of the approved Building Regulation Document L1/L2 for England and Wales. Target window U-value TBA.

Construction: All windows shall be manufactured, installed and glazed in strict accordance with manufacturers instructions and guidelines as set down in the appropriate technical literature, details and specifications. Depth of outer frame sections shall be 47mm stepped internally to 52mm incorporating two 22mm polyamide thermal break sections within the window profiles. Heritage HD frame depths are 52 & 70mm (not stepped). All outer frame and vent members to be 45° mitred corner construction, reinforced by means of extruded aluminium cleats and stainless steel corner braces. All corner joints to be secured by gluing & crimping. All mullions and transoms are to be cut/shaped and secured using either stainless steel screws driven into integral screw ports within the sections or special T cleats. All joints are to be sealed during construction using suitable 'small gap' sealant. The windows to incorporate an internal pressure equalized drainage system with concealed down drainage through a sub sill or frontal drainage with snap on cover caps.

Finish: Internal Colour: TBA External Colour: TBA

Glazing details: Glazing shall be site glazed. Windows shall be double or triple glazed and internally or externally beaded.
Unit thickness - Overall thickness of 24, 28, 32 & 36mm.
All windows to be dry glazed using shuffle extruded aluminium beads and EPDM extruded gaskets. Glazed with EPDM gaskets.

Fixing: All fixings to be in strict accordance with the relevant British Standards, including BS 6262 and BS8213 Part 4 : 2007. Ensure the window is retained securely within the opening without incurring any damage or distortion to the window frame. Generally, fixings to be positioned 150mm from each corner and 100mm from each mullion/transom and at centres not exceeding 600mm. Fixing lugs/straps only to be used where they can be suitably concealed to approval. All fixing of windows to the supporting structure to be achieved using a suitable lug and/or frame anchor fixing method capable of accommodating all applicable loads, deflection, tolerances and expansion expected on site.
Details of the proposed fixing method shall be submitted to the project engineer for approval prior to installation.

Revisions

NORTHLIGHT ARCHITECTURAL CONSULTANTS
The Media Centre
7 Northumberland Street
Huddersfield
HD1 1RL
t : 07815 290496
e : chrisnorthlight@gmail.com

Client
BP Land Ltd

Project
Red House,
281 Oxford Road, Gomersal,
Cleckheaton, BD19 4JP

Drawing title
Barn
Arched & Circular Window/ Door Details

PLANNING APPLICATION

Scale @ A1: 1:10
Drawn by: CG
Date: Jan '26
App'd: -
Drawing no: 24.034/ (AD)01
Rev: -