

Refer to drawing [21]03 for annotation of tanking and internal soffit works

Existing cast iron railings and stone coping stones to be temporarily removed to allow for continuous tanking install below. Refer to cast iron railing drawing for full details of conservation works required

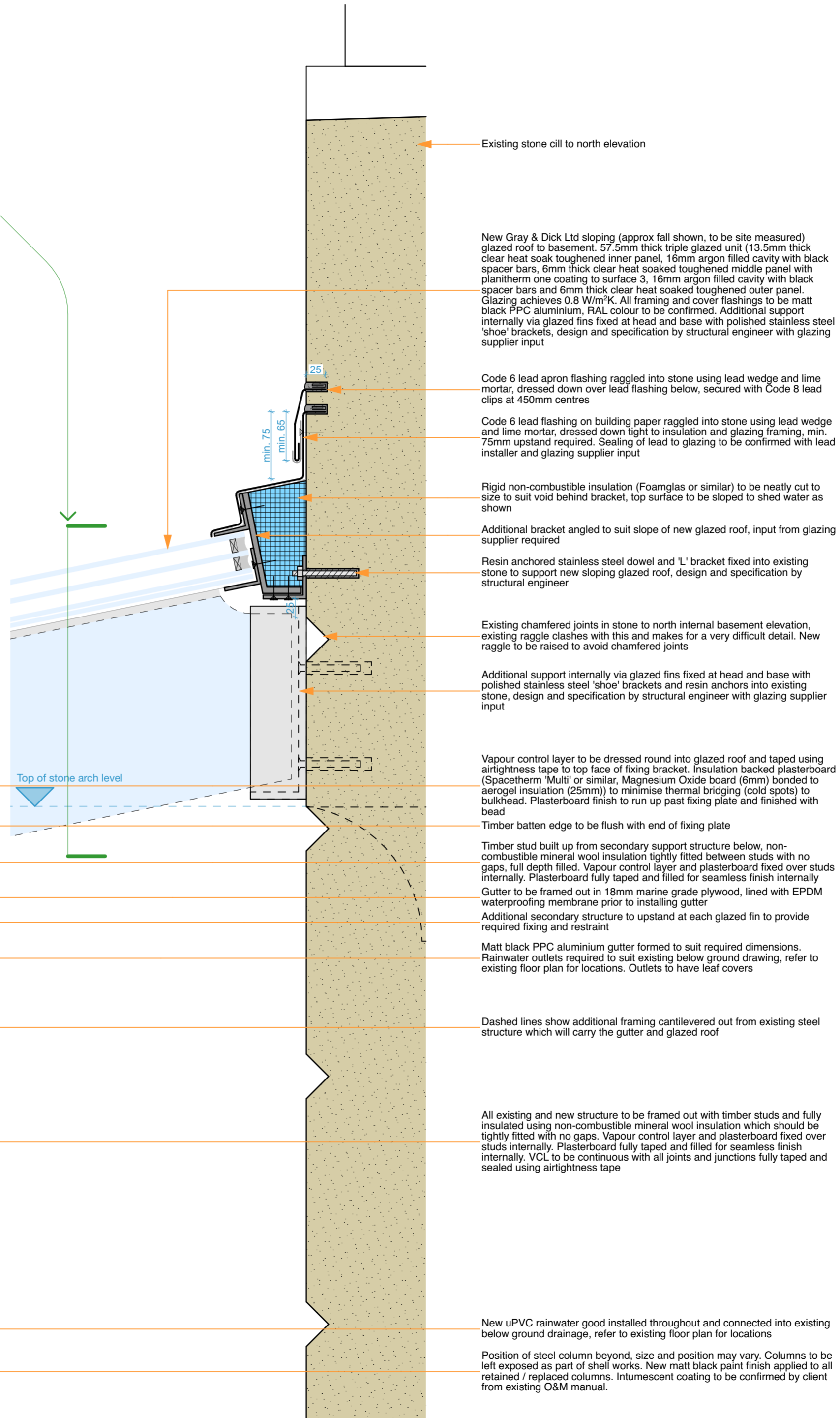
Coping stone set on tanking screed (by tanking specialist) and dowelled with stainless steel resin anchors (by structural engineer)

Existing cast iron railings sit in lead lined pockets in coping stones, detail to be reinstated using new lead where required

Existing steel structure to be checked and any repairs / replacements to be designed and specified by structural engineer

Code 6 lead apron flashing ragged into stone using lead wedge and lime mortar, dressed down over tanking drip detail below, overlap to top of gutter required as shown

Tanking to run continuously below coping and connect into gutter via typical drip detail as shown, refer to tanking specialist's design and specification for full details



Existing stone cill to north elevation

New Gray & Dick Ltd sloping (approx fall shown, to be site measured) glazed roof to basement. 57.5mm thick triple glazed unit (13.5mm thick clear heat soak toughened inner panel, 16mm argon filled cavity with black spacer bars, 6mm thick clear heat soaked toughened middle panel with planitherm one coating to surface 3, 16mm argon filled cavity with black spacer bars and 6mm thick clear heat soaked toughened outer panel. Glazing achieves 0.8 W/m²K. All framing and cover flashings to be matt black PPC aluminium, RAL colour to be confirmed. Additional support internally via glazed fins fixed at head and base with polished stainless steel 'shoe' brackets, design and specification by structural engineer with glazing supplier input

Code 6 lead apron flashing ragged into stone using lead wedge and lime mortar, dressed down over lead flashing below, secured with Code 8 lead clips at 450mm centres

Code 6 lead flashing on building paper ragged into stone using lead wedge and lime mortar, dressed down tight to insulation and glazing framing, min. 75mm upstand required. Sealing of lead to glazing to be confirmed with lead installer and glazing supplier input

Rigid non-combustible insulation (Foamglas or similar) to be neatly cut to size to suit void behind bracket, top surface to be sloped to shed water as shown

Additional bracket angled to suit slope of new glazed roof, input from glazing supplier required

Resin anchored stainless steel dowel and 'L' bracket fixed into existing stone to support new sloping glazed roof, design and specification by structural engineer

Existing chamfered joints in stone to north internal basement elevation, existing raggle clashes with this and makes for a very difficult detail. New raggle to be raised to avoid chamfered joints

Additional support internally via glazed fins fixed at head and base with polished stainless steel 'shoe' brackets and resin anchors into existing stone, design and specification by structural engineer with glazing supplier input

Vapour control layer to be dressed round into glazed roof and taped using airtightness tape to top face of fixing bracket. Insulation backed plasterboard (Spacetherm 'Multi' or similar, Magnesium Oxide board (6mm) bonded to aerogel insulation (25mm)) to minimise thermal bridging (cold spots) to bulkhead. Plasterboard finish to run up past fixing plate and finished with bead

Timber batten edge to be flush with end of fixing plate

Timber stud built up from secondary support structure below, non-combustible mineral wool insulation tightly fitted between studs with no gaps, full depth filled. Vapour control layer and plasterboard fixed over studs internally. Plasterboard fully taped and filled for seamless finish internally

Gutter to be framed out in 18mm marine grade plywood, lined with EPDM waterproofing membrane prior to installing gutter

Additional secondary structure to upstand at each glazed fin to provide required fixing and restraint

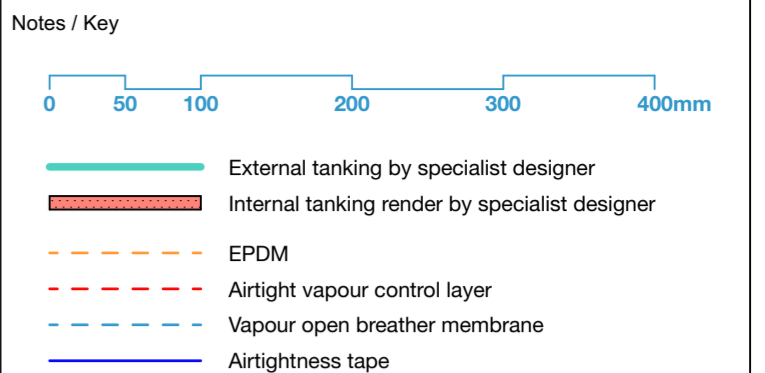
Matt black PPC aluminium gutter formed to suit required dimensions. Rainwater outlets required to suit existing below ground drawing, refer to existing floor plan for locations. Outlets to have leaf covers

Dashed lines show additional framing cantilevered out from existing steel structure which will carry the gutter and glazed roof

All existing and new structure to be framed out with timber studs and fully insulated using non-combustible mineral wool insulation which should be tightly fitted with no gaps. Vapour control layer and plasterboard fixed over studs internally. Plasterboard fully taped and filled for seamless finish internally. VCL to be continuous with all joints and junctions fully taped and sealed using airtightness tape

New uPVC rainwater good installed throughout and connected into existing below ground drainage, refer to existing floor plan for locations

Position of steel column beyond, size and position may vary. Columns to be left exposed as part of shell works. New matt black paint finish applied to all retained / replaced columns. Intumescent coating to be confirmed by client from existing O&M manual.



Health & Safety Notes

A	Issue for Planning	05/02/24	DC	SA
RevID	Description	Date	Drawn	Checked

Project Status
Planning

Do not scale from this drawing. All existing dimensions to be checked on site prior to commencement of works or manufacturing of components. Any discrepancies to be brought to the attention of the architect - if in doubt, ask.

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Client
Glasgow Life

Project Name
Gallery of Modern Art

Drawing Title
Proposed Railing to Gutter to Glass Detail

Drawn By DC	Scale at A3 1:5	Project No. 04448	Drawing Number_Rev [21]04_A
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