Ridge flashing

-- Back of panel is turned up

Ventilated Z bar

1:5 Ridge & Eave detail

- PU insulation cut to fit at ridge. Use canister foam to fill gaps and seal

Glulam engineered timber beam at ridge installed to engineer's specification

and detail - Joist hangar. Rafter birdsmouthed in accordance with engineer's

specification and details

Black EPDM to give smooth black background to shadow gap

SIGA Sicrall Tape to seal air tight membrane to beam

TATA Steel Colorcoat Urban standing seam steel system with Colorcoat Prisma pre-finish in colour Anthracite (RAL 7016) installed on breathable membrane in accordance with manufacturer's instructions

- 18mm plywood deck

- Breather membrane such as DuPont Tyvek Supro Breather Felt Underlay or similar approved sagging between battens

> - Generally 45 x 70mm treated timber horizontal battens at rightangles to rafters at 400mm cts. All joints in ply have timber behind to achieve shadow gap. 1mm thick x 50 wide EPDM rubber strip to be thoroughly adhered to faces of jointing timbers to create smooth black shadow gap between ply boards Note that this forms a zone for routing 60 x 204mm rectangular ducting for the MVHR system

> > Ventilated void

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200mm Rafter Roll 0.032 mineral fibre insulation tightly packed between rafters (no gaps)

structural engineers specification and details

with manufactures instructions

AVCL airtight layer such as SIGA Majrex 200 taped and sealed in accordance with manufacturer's instructions Sheer curtain and rail -18mm ply (matched with ceiling ply) hangs down to form front of curtain rail recess Painted skim finish Window packer supplied with window Insulated plasterboard to reveal

Steel thin coat corner bead

Internal silicone sealant

- 15mm Plywood sheathing screwed and glued to joists in accordance with

- AVCL airtight layer such as SIGA Majrex 200 taped and sealed in accordance

- 25mm Celotex TB4000 fixed to ply

18mm thick grade B/BB birch faced plywood to finish ceiling treated with Osmo Polyx-Oil to manufacturer's instructions. Fixed using concealed aluminium interlocking Z-angles. 10mm shadow gap joints between boards with area behind shadow gap covered with 1mm thick x 50mm wide EPDM rubber strip, thoroughly adhered to timber to create a smooth black background to shadow gap

> Treated timber lintels to engineer's specification and details

Black fibre glass Insect mesh

Drip

Astroflame Fire Seals Ltd continuous intumescent ventilated fire barrier as specified by manufactured and fixed in accordance with manufacturer's instructions Over fascia vent

Colour matched Lindab RTRA rectangular gutter

Illbruck TP600 Compriband seal with PU canister foam behind

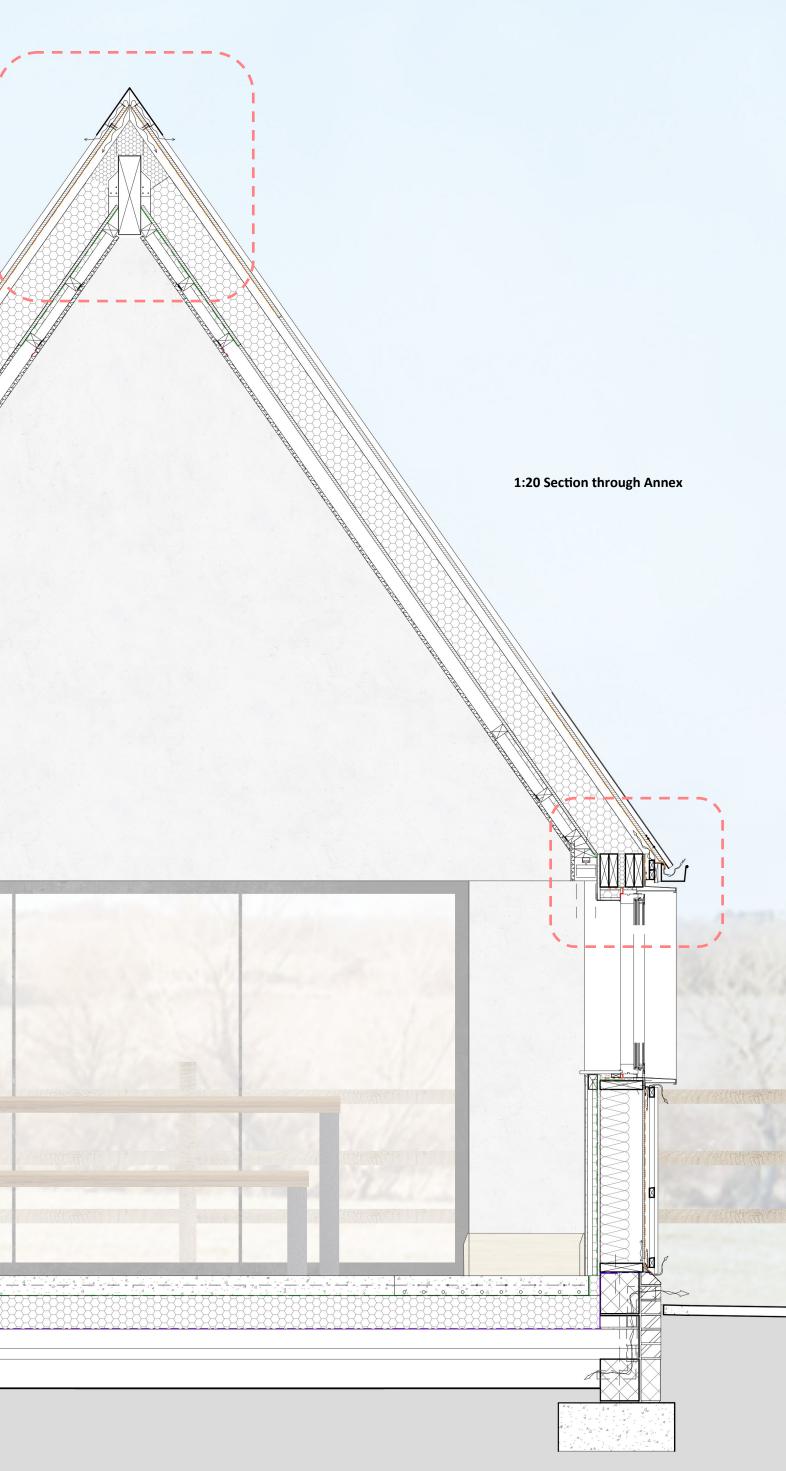
Bespoke PPC Aluminium window surround 15mm tolerance gap between timber frame and window

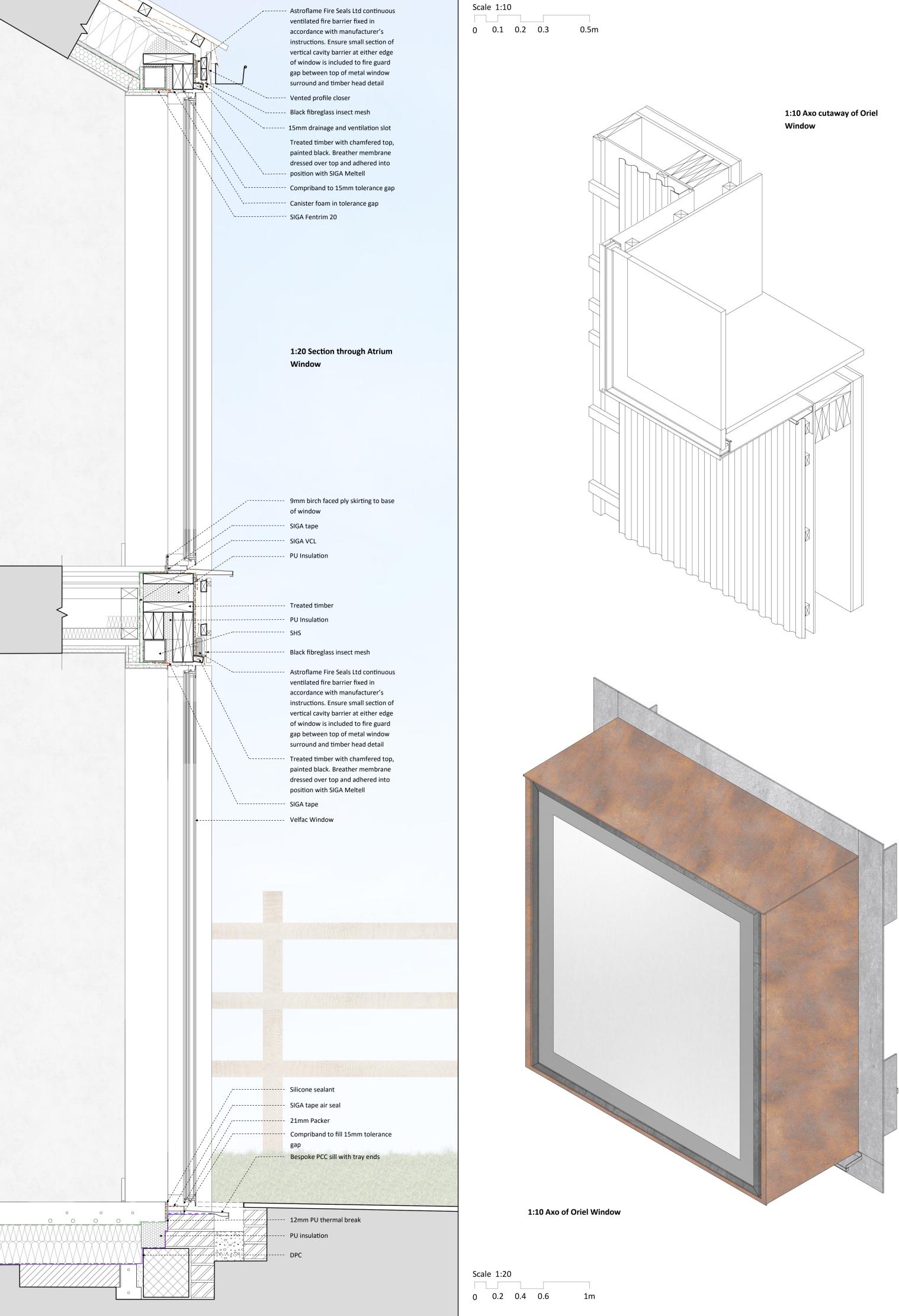
SIGA Fentrim 20 tape installed in accordance with manufacturer's specification and details to create airtight layer (lap with VCL) Velfac 200 double glazed window

Scale 1:20 0 0.2 0.4 0.6 1m



Plot 9, Caxton-03





Corten roof with overhanging drip -above window

High quality external grade silicone sealant carefully applied to provide water seal between window frame and steel with exceptionally neat finish (colour black)

Tremco Illbruck Compriband --secondary seal (black)

ID Systems IDS300 fixed light window (externally beaded/ black)

Standard off-the-shelf galv. Metal -angle bracket used as 'strap'. Fix to base of window and then screw to the 60mm Corten Steel fin upstand with self-tapping screws

External grade silicone sealant applied internally between internal finishes and window frame to entire perimeter of window (with backing rod as necessary)

SIGA vapour retarder sealed with --SIGA tape to manufacturers instructions

15mm plasterboard with painted -----skim finish

Internal silicone sealant between plaster and ply deck

25mm Birch faced plywood deck (B/ BB grade) screwed to timber subframe and concealed with timber plugs to match finish as closely as possible

Vapour retarding membrane such as -SIGA Majpell 25 or similar approved to be sealed with appropriate tape to manufacturer's specifications. Seal all edges with vapour proof SIGA tape

Dotted line indicates 45 x 45 treated timber battens at 400 cts. fixed in place with spray foam

Standard off-the-shelf galv. Metal angle bracket used as 'strap'. Fix to base of window and then screw to the 60mm Corten Steel fin upstand with self-tapping screws

High quality external grade silicone sealant carefully applied to provide water seal between window frame and steel with exceptionally neat finish (colour black)

ID Systems IDS300 fixed light -window (externally beaded/ black)

Corten steel drip ---

Tremco Illbruck Compriband secondary seal (black)

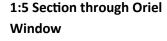
6mm thick Corten (weathering) steel plate structural shell welded together. 60mm deep continuous fin plates to be welded on the inside face perpendicular to main plate to provide rigidity

PPC sill profile below Corten opening to drip water clear of cladding and avoid staining (to drip at least 25mm from wall face). Sill screwed back to plate on corten structure

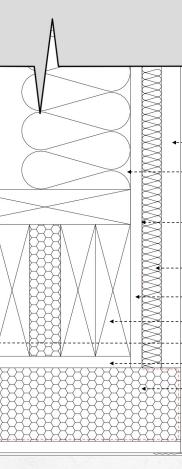
TATA Steel corrugated profile ---18W.990 (in finish Colorcoat Prisma, colour Anthracite, RAL 7016). Apply Sound Reduction Systems (SRS) Raincheck self adhesive acoustic backing to reduce rain noise Ventilated void -25 x 50mm vertical treated timber battens

25 x 50mm horizontal treated timber battens with chamfered top to shed water into void Breather membrane to be installed above Corten steel window collar

Insect proof mesh -







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- 12.5mm plasterboard and painted skim finish - 25 x 50mm treated timber battens to form service void 140mm Frametherm 0.032 mineral fibre insulation tightly packed between studs (no gaps)

- AVCL airtight layer such as SIGA Majrex 200 taped and sealed in accordance with manufacturer's instructions.

25mm of Celotex TB4000 fixed to plasterboard

15mm of plasterboard

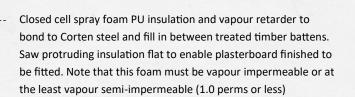
220 x 45mm C24 treated timber studs

9mm OSB sheathing board

15mm plasterboard to run under lintel

Closed cell spray foam PU insulation and vapour retarder to bond to Corten steel and fill in between treated timber battens. Saw protruding insulation flat to enable plasterboard finished to be fitted. Note that this foam must be vapour impermeable or at the least vapour semi-impermeable (1.0 perms or less)

Thin coat galv. corner bead



15mm plasterboard over timber stud frame with painted skim finish

Finished floor level