

STAIR SECTION. 1:20

NEW TIMBER STAIRS

- NOTE: Stairs will not comply with Part K of building regulations due to existing trimmed opening available and head heights imposed by exisitng floor above Building is Grade II listed building and therefore adjustment of existing historic framing members not permitted.
- Existing elements to be removed to be exposed /investigated by contractor prior to stair manufacture to ensure protruding floor/boxings can be removed to permit full width stair to be constructed.

Also string line to be checked on site to ensure proposed deeper stair string timber does no impeded inward opening of basement door below. (shown dotted above). Where site measurements allow improved gradient of stair pitch then this should be highlighted to client for cosideration propor to works.

GUARDING TO FIRST FLOOR LANDING EDGE: Proprietary glass balustrade with timber handrail all to manufacturers design. Guarding height min 900mm above surface of bridge / landing. The guarding is to resist, as a minimum, the loads given in BS EN 1991-1-1 with its UK National Annex and PD 6688-1-1 and comply with Building Regulations Part K2.



Handrail to be 900mm high from pitch line. 67 x 67mm American white oak pigs ear handrail secret fixed with stainless screw fixings (pellet and plug all fixings). Matt laquer finish.

20 x 20 square American White Oak cloaking trim to face wall

Clear Osmo Polyx Anti Slip Oil R11 to treads & risers. Clear Osmo Polyx Raw to handrail and caps. Contractor to provide sample to client for prior approval prior to finishing.

40mm American white oak stair treads (s/s secret fixed - all fixings pelletted and plugged)

5mm wide single aluminium nosing strip rebatted to each tread stopped 50mm short of walls. Strip set 50mm in from tread face. 20mm American white oak risers (s/s secret

fixed) sat 20mm nosing from treads. rebated joints, ensure all joints are glued. 300x47mm c24 concealed cut strings below

treads (completey hidden). 75x75mm s/s screw fixed glue blocks

Also centre support to each tread or continuous across tread width for full for support.

Min 150mm PIR foil faced insulation board between strings to underside of stair (as forming division to unheated basement) Breather membrane to face insulation. 12mm WBP ply finish to basement.

All fixings to be concealed with oak plugs. Metal fixings all to be stainless steel for material compatibility.

Contractor to exp and determine all of historic fabric a Also to confirm bo (or if needs retain adjusted to suit)

Contractor to confirm string line of new stair to ensure the string timber of stair does not impede opening of basement door opening below

General Notes

I. This drawing is to be read in conjunction with other engineers, designers, subcontractors and specialists drawings and any associated specifications and details. Any discrepancies are to be reported to the CA/client or relevant project manager before proceeding with the works.

2. All workmanship and materials are to be carried out in accordance with current British Standards, Codes of Practice and good building practice.

3. All work to be to the satisfaction of the Building Control checking authority.

4. Do not scale this drawing. All dimensions to be as noted. Contractor to check all dimensions on site before carry out works.

5. Where existing elements are exposed or investigated during the building works and are found to be not as assumed then contractor to confirm and notify CA/design team/client as applicable before proceeding with works.

6. The contractor is responsible for site health & safety including taking all necessary precautions to ensure stability of both existing and proposed structures at all times during construction. Contractor to contact structural engineer immediately where any doubts arise on site.

7. All services/utilities are to be located and protected as necessary by the contractor prior to the commencement of the works.

8. This drawing is for the private and confidential use of the client for whom it was undertaken and it should not be reproduced in whole or in part or relied upon by third parties for any use without the express written authority of Beech Architects Limited.

RESIDUAL RISK TO HEALTH & SAFETY

Whilst we have made every attempt to design out risk associated with our design some risks may remain. Significant residual risks relating to our design are detailed below with our assessment of how these may be managed. The contractor remains responsible for identifying and managing risk associated with construction processes and site safety and these risks should be identified within the contractor's Construction Health & Safety Plan all operations carried out in accordance with HSE requirements, Current Code of Practice and compliance with CDM 2015 regulations.

Numbered triangles further highlight specific locations where residual risks remain: - Access equipment for cleaning and maintenance will be required and works

undertaken by qualified and competent person. - The risks associated with working at height should be reduced by using

appropriate scaffold, platforms, mobile elevating equipment, safety nets or fall arrest systems as deemed appropriate by the contractors review and assessment of the construction methodology & process.

- The locations of all existing services and utilities must be confirmed prior to commencement of the works.

- The engineer must be contacted immediately where unsure or concern raised regarding the stability of any structure.

- Glazed roof to link poses fragile surface (not for foot traffic) and require cleaning \angle maintenance via secure ladder

- Works to Well structure - deep structure/water filled - protection from falling 2 required & covering replaced when works not in progress.

Solid oak pigs ear type handrail fixed to wall, with top and outer face to match profile of lower capping handrail. Matt lacquer finish

> Top horizontal edge of glass guarding finished with matching 50 x 50mm top oak rail

Plasterboard & skim to internal ceiling

50 x 50mm oak capping handrail with matt lacquer finish

Solid glass guarding balustrade

 Contractor to expose floor protrusion support and determine all can be removed with no loss of historic fabric and no beams located within.
Also to confirm boxing above can be removed (or if needs retaining then stair width to be

50 x 50mm oak capping handrail with matt lacquer finish

Solid glass guarding balustrade with concealed steel perimeter channel

Perimeter channel recessed top & bottom into capping handrail and bottom channel

GLASS GUARDING TO TIMBER STUD WALL. 1:10

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