

LINE OF TIMBER CLADDING SHOWN DASHED

APPROX 1.15m
(SITE MEASURE)

STEEL BOX SECTION FRAMEWORK

LANDING SUPPORT STEELWORK

STEEL STRING

GAPS TO BE LESS THAN 100mm

SECTION BB 1:20

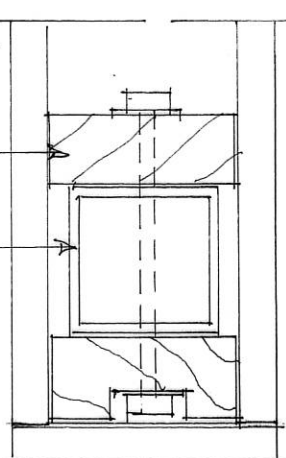
500mm

TIMBER CLADDING

OVER-SIZED TIMBERS BOLTED TO POSTS

STEEL SUPPORT POST

FIXING DETAIL 1:5



EXTEND RETAINING WALL STRUCTURE TO PROVIDE BASE FIXINGS FOR SCREEN POSTS

900mm
(OR THE SAME AS THE WIDTH OF THE STEPS)

Existing concrete staircase to be demolished. New staircase treads 3-9 and landing in steel. Treads 1 & 2 form a cast concrete plinth clad in stone. Steel stairs bolted to concrete plinth. Landing supported on steel/timber screen and on wall of house.

Risers (R) 200mm, going (G) 300mm to be verified on site. Any adjustments to be made within the parameters of $2R + G$ at least 550mm and not more than 700mm. Maximum riser 220mm, minimum going 225, maximum pitch 42 degrees.

Steel treads have downstands and upstands such that a 100mm sphere cannot pass through. Timber treads have non slip carborundum inserts at the nosings

Guarding on the landing minimum 1.1m high. Handrail to stair flight minimum 900mm.

The screen that forms the guarding to the west is constructed in steel box sections with welded baseplates fixed to a concrete retaining wall that extends from the house to the post furthest from the house to ensure continuous level surface for all baseplates. Set baseplate and bolt fixings 50mm below ground level to allow for 30mm stone paving and 20mm mortar bed to be laid over. OR, baseplates may be located such that the paving can slide slightly underneath. Bolt fixing timbers to either side of box sections, slightly wider than the box sections, to provide fixings for timber claddings on vertical faces and at top. Leave space at base to ensure timbers are not in contact with the ground.

All steelwork to be galvanized. All sizes and fixings as structural engineers details.

Proposed Section BB Through External Staircase

Date: November 2020

Scale: 1:20 at A3

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