

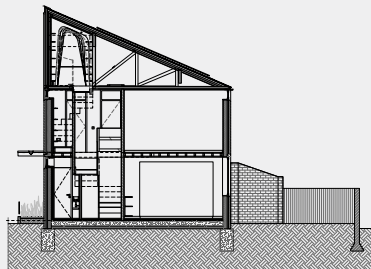


LOFT LIBRARY

WALTHAMSTOW, WALTHAM FOREST, E17

Innovative conversion of a trussed rafter roof, creating a CNC-cut plywood-arched library

Working with a tight budget within a two-storey 1980's end-of-terrace house, this design works within the fabric of the existing building rather than create a new loft structure or extension. Utilising the awkward spaces within the single pitch, trussed rafter roof, the design replaces the diagonal truss members with plywood arches to form the Loft Library – providing a stair access, four new windows, and a library space formed entirely of 18mm spruce plywood, including a small bench, shelves between arches and a study space at the end. To create the curved arches, detailed measurements were taken of the existing space, with templates then drawn in CAD and plywood elements cut precisely to size and shape.



Section

COST: £51,300 + VAT SIZE BEFORE: **80 SQM** SIZE AFTER: **90 SQM** COMPLETED: **JULY 2018** ARCHITECT AND INTERIOR DESIGNER: **ARBOREAL ARCHITECTURE** STRUCTURAL ENGINEER: **CORBETT & TASKER** MAIN CONTRACTOR: **GET TURNER** CNC CUTTING AND SPRUCE PLYWOOD SUPPLIER: **CUT & CONSTRUCT** PLYWOOD: **WISA SPRUCE** WINDOWS: **RATIONEL** POLYX OIL: **OSMO** FIRE RETARDANT: **ECOSOL** PHOTOGRAPHER: **AGNESE SANVITO**



LUCY AND JACK'S HOME

WOOD GREEN, HARINGEY, N22

The transformation of a first floor flat in Alexandra Palace for a couple with two young children, by alterations and addition of a roof extension, to create four more rooms

Lucy & Jack bought the flat ten years ago, and it was becoming increasingly small for their growing family. Externally, an "L" shaped dormer was added, designed to avoid dominating the existing building. Internally, on the first floor the master bedroom and kitchen/dining areas were swapped, so that more public, family spaces are at the front, and more private, personal ones are at the rear. Two stairs were inserted at each end, with an enfilade of shower room, two bedrooms, and mezzanine study between.

SIZE BEFORE: **77 SQM** SIZE AFTER: **122 SQM** COMPLETED: **OCTOBER 2018** ARCHITECT AND INTERIOR DESIGNER: **ZMINKOWSKA DE BOISE ARCHITECTS** STRUCTURAL ENGINEER: **AMA CONSULTING ENGINEERS** MAIN CONTRACTOR: **IREK MADUZIA** PARTY WALL SURVEYOR: **PAUL SHAVERIN** ZINC CLADDING: **ROLES BRODERICK ROOFING LTD.** DORMER WINDOWS: **PERFECT CRYSTAL WINDOWS** ROOFLIGHT: **VELUX** TIMBER FLOORING: **HAYWOOD** PHOTOGRAPHER: **TOM CRONIN**



MARKHOUSE MAISONETTE

WALTHAMSTOW, WALTHAM FOREST, E17

A small flat is transformed into a surprisingly spacious family maisonette, occupying the first floor and loft of a converted mid-terrace house

Previously constrained by compartmentalised rooms, the project maximises available area, and makes the spaces as active as possible. Birch plywood elements precisely integrated throughout provide full-height and below-window storage whilst doubling as places on which to sit or sleep. Pocket doors ensure the rooms feel open whilst providing privacy when required. From the street, the house appears unaltered yet the rear half of the existing roof now accommodates a crisply-detailed dormer, clad in fibre-reinforced concrete strips surrounding a generous south-facing angled window. This study-cum-bedroom reached by a new toplit stair enjoys an expansive view of allotments and a church spire juxtaposed against London's skyline, framed by a library wall with a window seat.

COST: £118,340 SIZE BEFORE: **38 SQM** SIZE AFTER: **55 SQM** COMPLETED: **FEBRUARY 2017** ARCHITECT: **ANDREW TAM** STRUCTURAL ENGINEER: **OSBORNE EDWARDS** MAIN CONTRACTOR: **SEMI LIKA, THE ECO REFINISHMENT COMPANY** INTERIOR DESIGNER: **ANDREW TAM AND MABEL LAW** PARTY WALL SURVEYOR: **MARTIN LEWY** BESPOKE JOINERY: **MCCORMACK JOINERY** WINDOWS: **VELFAC** CONCRETE CLADDING: **PURA FACADES** CEMENT TILES: **ALHAMBRA TILES** PHOTOGRAPHER: **DIRK LINDNER**