Roof construction: Natural Slates to match existing in every respect on 50x25mm tan sw battens on Procter Roofshield breathable roofing membrane in strict accordance with mfr's instructions and BBA cert requirements on 50x100mm C24 rafters at 400mm centres over and secured to timber framing to dormer cheeks with max 1/3rd birdsmouth and "truss" clipped.

Roll Top ridges to match existing in every respect bed and pointed in guaged mortar and mechanically anchored.

Guaged mortar pointing and bedding to verge with inert undercloak and mechanical fasteners and black PVC fascia and soffit.

Flat Roof Construction: Roof covering to be GRP system such as Topseal HD BBA certified and guaranteed for 30 years on 18mm OSB3 on HP insulation to give max 0.18w/m²k o/a u-value to roof on vapour check layer on 12mm ext grade ply deck on min 25mm firrings giving min 1 in 80 fall on 50x100mm C24 joists at 400mm centres.

Proprietary drip to edge of roof coverings to chosen mfr's instructions in conjunction with white PVC fascia and soffit and black PVC HR gutter.

12.5mm duplex p/b and skim ceiling finish.

75x150mm C24 trimmer between double rafter side trimmers.

Insulate between and over 50x100mm C24 ceiling ties at 400mm centres with 100mm Kingspan TP10 insulation to achieve o/a U-value to roof of not more than 0.16W/M²°C with duplex p/b with skim finish under.

DORMER CHEEKS; 100x50mm SW framing with 12.5mm duplex p/b and skim internal finish, 100mm Kingspan TP10 insulation infill to achieve max 0.28 w/m²k u-value and external finish of 19mm ext grade ply on building paper with 2No coat GRP finish in dark grey by specialists using BBA Certified product with min 30 year bonded warranty.

DORMER WINDOWS:-
New windows to be high performance white pvc to match existing in every respect, double glazed with HP DG units incorporating gas filled cavities & low-E glass to ensure max 1.6 W/M²°C U-Value in fixed lights with obscure glazing agreed with clients and trickle vents to be provided to give min 5000mm² to bedroom.

To both sides of dormers ex purlins to be built in to dormer cheeks and fully supported on sw framing previously described off doubled joists as generally described below.

New lightweight partitions shown thus as generally described elsewhere.

Double bolted and connected rafter trimmers to top and bottom of dormers.

Code 4 lead flashings at abutments to LSA recommendations.

To both sides of dormers ex rafters and joists to be doubled-up with 50mm thick matching depth C24 timber sections bolted to existing with M12 bolts at 450mm centres with timber "star-plate" connectors between as indicated.

Double joist section noggins between ex joists under front of dormers with dwarf wall over in 100x50mm SW framing with 12.5mm duplex p/b and skim internal finish, 100mm Kingspan TP10 insulation infill to achieve max 0.28 w/m²k u-value and extenal finish of 19mm ext grade ply on building paper.

Revision	Date.	Description.
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PROPOSED ALTERATIONS TO,
130 UPPER SHEFFIELD ROAD,
BARNSLEY, S70 4PR.

DETAILED PROPOSALS 2
Typical Section.

Mr & Mrs McNiffe.

Building Design Services

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Scale: 1:20 @ A2	Date: MARCH 2016
Ref: 201524	Drwg No: 03

0 cm | 2 cm | 4 cm | 6 cm