
Old Bethlehem – Farm buildings

SPECIFICATION OF MATERIALS AND METHODS - ROOF REPAIRS

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1.0 ROOF COVERING**1.1 ROOF SHEETING:**

0,8mm Galvanized (Z- 275) Corrugated iron **single length sheeting**. S Profile. Side lapped 2 ridges deep on winter wind side (North West). Butyl Compression strip fitted to all laps.

Finish: Painted **Light grey**

1.2 Fixing: Roof Screws from LEAK KING Type: **LK C 75** for existing roof timbers. Fitted according to Manufacturers instructions, using purpose made tool supplied by the manufacturer. See www.leaking.co.za for price, contact details and supply ex JHB.

1.3 FLASHINGS:

Custom made flashing out of 0.8mm galvanized (Z-275) steel sheeting to architects detail and to match existing profiles.

Replace all stepped flashing to gable head walls with straight flashing. Make good plaster steps. Straight flashing: min 300mm wide with 120mm upstand and counter flashing, cut into plaster min 20mm deep.

Finish: Painted **Light Grey**

1.4 SEALANTS and SEALS:

1.4.1 Grooves into plaster sealed with: ALCOLIN EXPANSION JOINT SEALER MS 37 light grey

1.4.2 Laps, joints and incidental filling sealed with ALCOLIN PAINTERS ACRYLIC SEALANT light grey

1.4.3 Sondor Corrugated 76 POLYCLOSURES to all horizontal flashings and eaves.

1.5 INSULATION:

SISALATION? (to be decided)

PROV SUM

2.0 GUTTERS AND DOWNPIPES:**2.1 GUTTERS:**

Repair existing **Galvanized steel gutters** by replacing only the perished parts with new custom made lengths to match. Gutters bent up of galvanized 0.8mm sheeting by specialized engineering company. Finish: Painted **Dark Grey**

Brackets manufactured to match out of 1.2mm thick galvanized strips. Brackets screw fixed to fascias with non corrosive screws. Brackets riveted to gutters with galvanized rivets.

2.2 DOWN PIPES:

0.5 x 75mm dia x 2.7m Round Galvanized Steel Down pipes DPRNP0507527

0.5 x 75mm X 2.7m Soldered Shoe Outlets DPRNS0507527

75MM Round Holderbat fixing clamps HOLDERBAT075RND

All by Heunis Steel JHB www.heunis.co.za for availability (or similar approved by architect) Finish: Painted **Dark Grey**

3.0 CARPENTRY AND JOINERY

3.1 ROOF STRUCTURE:

Existing 'Oregon' Pine Roof Structure is to be retained as is and only repaired where necessary. PROV SUM

Security of rafter tie down to be investigated and reinforced as required PROV SUM

Tie down all Purlins to Rafters with a pair of eCo HURRICANE CLIPS per joint. As supplied by MiTek Industries SA, www.mii.com (or similar approved by architect)

3.2 FASCIA BOARDS:

Replace any rotten or damaged fascia boards with ex 32 x 180mm SA Pine fascia boards, custom made to match exact profile. Remove sample from Building and make up to match same rounded profile. Finish: Painted **Dark Grey**

4.0 PAINTING

4.1 ROOF:

Roof Top Coat: 2 coats Duram Roofkote, Grey

Roof Undercoat: 1 coat Duram NS6 Galv Iron Primer

Roof Preparation: Clean with Duram NS2 Galv Iron Cleaner

4.2 FASCIA:

Fascia Top coat: 2 coats Dulux Pearl glo Enamel. Colour: Night Jewels 2, Dulux Trade

Fascia Fascia Primer: 1 coat Dulux Primer for Wood. Colour : Pink

Fascia Undercoat: 1 coat Dulux Undercoat for all surfaces: White

4.3 GUTTERS & DOWNPIPES:

Top Coat: 2 coats Dulux Pearl glo Enamel. Colour: Night Jewels 2, Dulux Trade
Primer: 1 coat Duram NS6 Galv Iron Primer

Preparation: Treat any minor rust spots with 'Rust Converter' clean all unpainted surfaces with Duram NS2 Galv Iron Cleaner.

Sand and prepare previously painted surfaces to receive new undercoat and top coats.