

Roof Sheeting to be Double-Interlocking Concealed-Fix "Klip-Lok" Profile Roll-Formed in Continuous Lengths and cut to Length by a Pneumatic Cut-Off Process from Certified Z275 Galvanized Steel Complying with ASTM 446 Grade "E" 3T (A653). A Certificate Verifying Compliance shall be Issued by the Manufacturer, "Brownbuilt Metal Sections". The Profile Shall be Roll-Formed with Three Ribs at Centres Not Exceeding 203mm and a Cover Width Not Exceeding 406mm. These Will Include a Male and Female Rib with Capillary Action Breaks. The Male Rib Shall Incorporate Spurs Spaced no more than 300mm Apart to Ensure Minimum Crevice Areas on Side Lap and Stand Proud of the Rib for Purposes of Double Interlocking Action with Adjacent Sheets. When Interlocked, the Minimum Sheet Depth shall be 41mm. Each Trough Shall Incorporate Two Stiffener Ribs. The "Klip-Lok" Sheets shall be Fixed to Every Purlin by Means of Patented KL65 Clips Having Spurs which will Securely Hold the Sheets in Position and Lock-In the Sidelap and Both Centre Ribs. The KL65 Clips shall be Manufactured from Galvanized Steel and shall be Fixed to the Steel Purlin with Three Cadmium Plated Tek 3 no 10, 24 x 16mm Long Self-Drilling/Tapping Screws. Heavy Industrial (0,6mm) Galvanised Z275 Spelter with a Classicoat Finish to One Side. (Colour to be Charcoal Grey) Roof Insulation shall be "Thermapan" Backing Panel 25mm with an infill of Structaboard / Isoboard.

Plascon Glatex 8 to Exterior New Galvanised Steel Portal Frame. Surface to be Dry, Sound and Clean. Apply Metalcare Galvanised Iron Cleaner (GIC 1) to all Bare Galvanised Areas. Allow to React for 1 Minute and Rinse Off with Tap Water Using Bristle Brush or Scotch Brite Pads to Remove All Surface Contaminants, Until Surface is Water Break-Free. Prime with One Coat Glatex 8 Metal Primer (PL 3) with an Overcoating Time of 8 Hours and Finish with Two Coats Glatex 8 (PL) with 16 Hours Drying Time Between Coats, for a Maintenance Cycle of 10 Years in a C5 - Coastal/Marine Environment. (Colour to be Charcoal Grey to match Roof Sheeting)

Purpose Made Square Profile Aluminium H3003h 14 Seamless Gutter, Overall Size 210 x 140 x 0,9mm Thick Powder Coated Internally and Externally with ColourTech G4 Including Cut and Mitred Angles Covered with a Mitre Strip Externally, Stop Ends Riveted and all Sealed on the Inside with Dow Corning 813 Silicone Sealer, Secured to Purlins using Aluminium Pop Rivets, Including a 50 x 20mm High Overflow Spigot, With 101mm Diameter x 1,62mm Thick. Aluminium Downpipe Fixed to Steel Portal Frame with Aluminium Downpipe Brackets, With Downpipes Riveted and Silicone Sealed to Gutter Outlets, Including All Necessary Bends, Elbows, Shoes etc. (Colour to be Charcoal Grey to match Roof Sheeting)

Steel Portal Frame to Structural Engineers Details

Aluminium Closure Panel to be Powder Coated Charcoal Grey to Match Roof Sheeting and bolted to gutter bracket, steel portal frame and New Brickwork as per Engineers Details.

Plascon Wall & All to Exterior New Cement Plaster. Surface to be Dry, Sound and Clean and Cured for a Minimum of 14 Days, with a Moisture Content Measured with a Doser Hygrometer (or Equivalent), of BD 2 scale - 8% or Less. Prime with One Coat Plascon Plaster Primer (UC 56) With an Overcoating Time of 16 Hours and Finish with Two Coats Wall & All (WAA) with 2 Hours Drying Time Between Coats, for a Maintenance Cycle of 7 Years in a C5 - Coastal/Marine Environment. (Colour to Match Existing Mill Building)

Purposed Made Steel Bracket Gutter Support to be Welded to Every Portal Frame

Aluminium Downpipe to be Powder Coated Colour Charcoal Grey to match Roof Sheeting
Aluminium Downpipe Brackets Bolted onto Portal Frame and Powder Coated Charcoal Grey

230mm Brick Masonry Wall to be Plastered and Painted to Architects Specification. Colour to Match Existing Mill Building

Masonry Piers at Intervals Spaced to Engineers Details
Counter Flashing

Derbigum SP4 torched-on Waterproof Membrane

Internal Screed

LEVEL 6 ∇ +24,050 FFL

Screed to falls to Existing Full Bore Outlet Positions

Column Base Plate Bolted to Existing Slab to Engineers Details

Steel Portal Frame to be Treated and Painted to Architects Specifications. Colour to be Charcoal Grey

Existing Parapet Wall to have Waterproofing Removed, Scred Patched and made good. One Layer Derbigum SP4 Waterproofing Membrane, with 75mm Side Laps and 100mm Wnd Laps, Sealed to Primed Surface to Falls and Crossfalls by 'Torch-Fusion' Finished with Two Coats Bituminous Aluminum Paint. Waterproofing to be Installed by an Approved Derbigum Contractor under a Ten Year Guarantee.

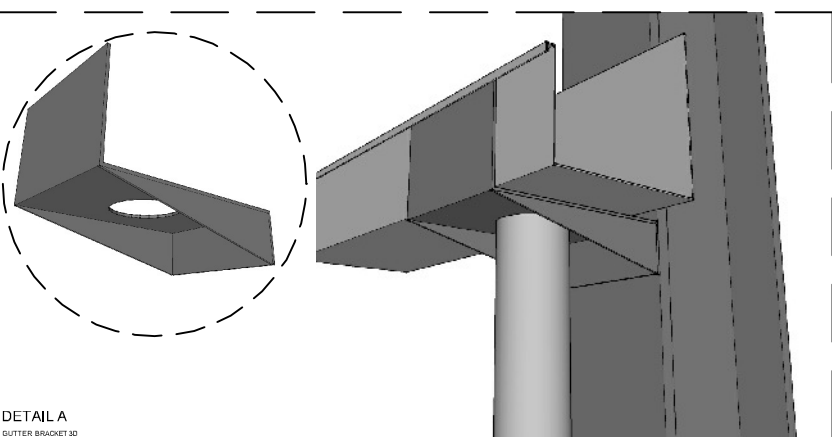
Existing Full Bore Outlets to be Serviced and Replaced Where Necessary

Existing RWDP's to be Cleared of all Debris

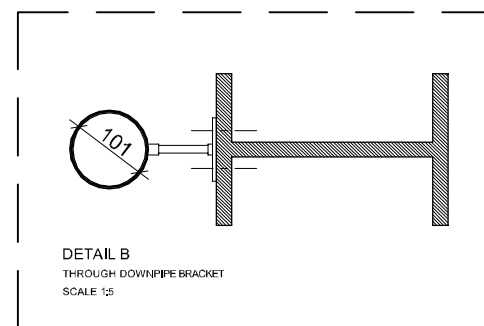
EXTERNAL

INTERNAL

Existing Mill Structure



DETAIL A
GUTTER BRACKET 3D



DETAIL B
THROUGH DOWNPIPE BRACKET
SCALE 1:5

SHEET SIZE

A3

CLIENT:

DRAWING TITLE:

PROPOSED ROOF JUNCTION AND PARAPET DETAIL, DETAIL THROUGH DOWNPIPE BRACKET AND DETAIL OF GUTTER BRACKET

PROJECT:

Proposed Additions and Alterations to Existing Mill Building on ERF 10033 For Redefine Properties LTD.
341 Sydney Road, Congella, Durban

ARCHITECTS

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