

1:1

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Single storey roofs
Roof Area 1 - 88m²
Roof Area 2 - 81m²
Roof Area 3 - 126m²
Roof Area 4 - 77m²

High level Hall roof Roof Area 5 - 161m²

NEW ROOF CONSTRI

UCTION

and causing with the

installed.

Vapour Barrier:
Apply a bonded vapour board at all perimeters, of Vapour barrier to be compour barrier to be compound to b edge protection ť

ovide timber edge protection to insu reduced thickness to the adjacent aterproofing.

Insulation should be stored inside the storage is unavoidable, insulation stronger waterproof sheet. Packaging alone control provide protection from moisture. the con should cannot ntractors site compound area. If outside be off the ground and covered with a under any circumstances be relied upon

Waterproofing
Install a intermediate underlay, torch or non-torch bonded to insulation. Install One layer of high performance mineral cap sheet (20 year insurance backed warranty / guarantee). Laps to be 100mm side and 150mm end, all fully sealed by torching, and pressure rolled with a long handled 15 kg seam roller.

in laps can be reduced

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ö fοr the

oletion. detail to agreed on site with CA. flashings ť upstand ō prepared and point

Perimeter Parapet Detail: Remove existing felt / detail / trim back to decking. Apply an insulation stop batten (100mm wide and 10mm thinner than the insulation to prevent lap build up) However, Contractor should allow to supply and fix suitable plywood capping to perimeter for felt to be dressed over and capped with suitable edge trim.

<u>autters:</u> 3trip back to decking to re-form. .9mm external quality plywood / Apply new treated timber insulation and felt as main firings specific to recation.

Soil & Vent Pipes:
Form suitable weather collars to flue / soil pipes. Form upstal surface of the finished waterproofing. Contractor to extent cowl. Rod SVP to ensure pipe run is free moving. and of 150m pipes and ₹ ∃

<u>Cables:</u> The Contractor will need to manoeu[,] works progress. (not shown on plans)

Tile Hanging at vertical upstands:
Remove 3-5 rows of tiles to allow vertical felt
felt use breathable felt to form detail with
existing with treated timber and re-slate over. t upstand building detail paper. ₽ Re be be form atten c g

ur barrier. Dress to form edge; openings and projections. ompatible with system installed. is not suitable to act as a vapour b

Thermal Insulation:
Install PUR insulation thermal insulation (maximum 100mm thick) on above vapournstall PUR insulation thermal insulation (maximum 100mm thick) on above vapourstall PUR insulation to adhesive with end joints staggered.

50mm insulation to sumps and guttering if required to achieve falls.

Contractor to ignore the existing construction and supply a fix a product that gives minimum K-value of 0.025 W/m²K. Insulation is Contractors choice.

In accordance with good roofing practice, undulations cutting a 45-degree mitre in the lap of the lower sheet.

Detailing (to all roof constructions)
All detail work to be executed in two layers, bonded in hot bitumen, and the Mineral cap main sheet area must overlap onto the rein overlaps to be fully bonded by torching. the base layer sanded underlay fully sheet fully bonded by torching. The forcing strip by the full 100mm. All

Brick / Stone Upstands:
Strip off existing waterproofing from upstands, substrate with bitumen primer and allow to dry Cut new chase of a minimum 12 x 25mm, at coof finish. , and clean out existing chase. Prime completely. a minimum height of 150mm above

Preparation:

Remove chippings / debris from roof surface / leafs and general rubbish.

Temporarily remove or divert sundry cables and/or equipment.

All outlets must be protected to prevent debris from entering and causing of downpipes.

Acceptable methods of drying of roof areas, where required, to be agreed client prior to the commencement of works.

Guttering to be stripped back to decking and re-formed.

Parapets strip back as well and re-formed.

Primer: apply one layer of QD primer compatible with system installe applied to all flat areas and upstands.

lation at perimeters etc. Timber insulation, to avoid creating a should be of step in the

curb incor supply rporate PVC polycarbonate e with aluminiur

Units to fit to existing raising curbs it is impor in schedule below. raised, flat-topped, rtant that raising tin waterproofed builders' ber is set exactly to ov " upstand curb. verall curb sizes

red within insurance-back

Remove existing opening gear sides of openings Em-Dome polycarbonate triple skin

Boiler Flue
Existing large boiler formed.

Flues from Extractors
Re-form flues with new

Lead chutes through parapets:
Re-form 3no. lead chutes through ereform 4no. new lead chutes through hoppers and RWP's. रisting walls to Roof . n parapet to Roof A 4. v ack PVC

down ned with vertical

High Level Hall Roof:

Existing RWP detail removed. New outlet to be formed w PVC hopper and downpipes (x4no.).

Where RWP previously penetrated tile hanging (low down necessary and re-tile over to close watertight detail.

Form lead chute through perimeter upstand / remove ex construction to form chute / fall detail / cut and re-tile as r existing RWP detail / as necessary. / black move as just wall

refully remove mponents etc., a existing rooflights, complete with and cart away. Strip back existing wa <u>a</u> glazing proofing f entilation .. nd fixed ulation /

3no. blocked off rooflights to remain blocked off securely to openings to allow firings / plywood infill felt etc as main works. - suitable areas to rai e joists inserted and aise roof level. Insul

Remove winders from inside of metal upstands and make good as necessary Repair as necessary the head detail of linings after units have been removed.

Fully waterproof curbs to roofing are applied up and across top face

Product Reference: Dome & Curb with Opening Frame
Type: Dome.
Size: See Plans
Dome Fixing to Curb: High security Screwbolts. Supplied factory fitted as standard to all units. The fixing screw is sleeved within the body of the screwbolt which avoids pressure being exerted on the rooflight glazing as the fixing is tightened Kerb: PVCu Vertical Curb, Height 150mm, U-Value (W/m2k) 1.00
Material: PVCu - white self finish
Glazing details: Polycarbonate triple skin dome. Thermal Transmission (W/m2k) 1.78
Manufactured in accordance with European standards and hold a CE mark according the FN1873 ard to

Junction of roof and vertical tiles. Junction of parapet and vertical tiles

Other requirements : Hinged Manual Spindle Opening tested and certified accord EN1873-Watertightness (RL1) or Controllable manual rotating trickle vents (RL2) 1.78. ding to ding to

diffused athering . When s shown

proximated manual : RL1

are existing rooflight overall sizes. For less) line through internally. All dimen nfirm sizes / numbers prior to ordering s to fit over nate sizes only,

Rain Water Outlets:

All existing outlets to be left in position and a 300mm x 300mm surr 100mm x 90mm timber with a 50mm fillet on the inside. Insert Firefurbishment outlet into existing opening and fit new leaf guard. Control the size specified is suitable for existing outlet through metal deck roof outlets. All existing to be rodded and cleared after completion.

All outlets to be rodded to ensure there are no blockages. sump created using t FRS SFlow SF-95 ontractor to confirm oof prior to ordering

General Summary of Works: Remove chippings /debris / new rooflight / upstand detail / over Replacement rooflights / edge details / rainwater outlets / flashir

Guarantee:

The felting system supplied shall come with a minimum 20-year insuration warranty.

A sample of the warranty and felt roof specification is required within the submission.

Failure to provide such information will deem the tender invalid and will considered.

Any requirements of the guarantee should provided within the Contract Example: If an inspection cost is required every year to maintain the the Contractor to pay this as part of their tender package.

Detail (A) Detail A Gutter Detail © small raised plinth/in roof line RL1 1250x1250 Roof Area 2 Detail (D) Blocked 90x2020mm Blocked 0x2020mm $\overline{\mathscr{B}}$ New parapet upstand and GRP trim detail
Felt turned up wall and flashed / tiles removed and re-fixed as necessary
Flashing to stonework
Roofing slates removed to allow for new flashing to be formed / re-fix slates afterwards.
Parapet upstand with slate wall - remove slates to allow new flashing - re-fix afterwards
Remove metal aluminium coping to allow for new felt work / re-fix upon completion
- strip back down to substructure - reform levels with new firings / plywood and new con Gutter Gable to window / flashing is to stone as Detail © RWP & hc through wall wall RL1 950x95 Detail 🛭 Detail (B) 'Qetail 'A 0 Pitched roof overhang low to flat roof Courtyard:
Existing netting fixed to edge trim to keep birds out ® Gutter Detail (A) Detail (A) Thick mains cable on tray in guttering

Rev A 01-09-20 Tender Issue

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1:100 Scheme drawing: issued for: Maintenance Project
Paulerspury Primary School as Proposed paper size: <u>A</u>1 drawn by: ender date Aug 20 drawing number: 6931 project number: 70 revision: date: north: \triangleright

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