

Schedule of Work

Tranche 01 Outbuilding Roofs

V11 Tender Issue (September 2019)

National Oceanography Centre
European Way
Southampton SO14 3ZH

for United Kingdom Research & Innovation



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Job No. 180572



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Schedule of Works

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Section A - General

Schedule of Works

Tranche 01 - NOCS Outbuildings

A	General Information													
Item	Description	££												
1.00	<u>Procurement Note</u> Where Brand names, manufacturers, suppliers or installers of products are identified within the specification, equivalent and compatible alternatives may be selected and shall be submitted for approval.													
1.01	<u>The works package consists of the following:</u> - Removal of Photon PV Cells from Workshop, Stores and A10 Building - Removal of Solar Thermal Panel from Workshop roof, servicing & repair - Liquid applied roof coating, roof light coating & gutter lining to A10 Building - Over roofing of Workshop & Stores - Liquid gutter lining to Workshop & Stores - Reinstallation of PV Cells to Workshop & Stores (new layout) - Reinstallation of Solar Thermal Panel to Workshop - Reinstallation of PV Cells to A10 Building (existing layout) - Rodding of down pipes & gutter clean / clearance to all buildings - Cut edge corrosion repair to buildings listed below - Liquid applied roof coating & gutter lining to buildings listed below A1 Building - Lab & Cold Stores A3 Building - Specimen Store A4 Building - Lean to Storage A5 Building - Chemical & Plant Store A6 Building - Workshop A9 Building - Fire Alarm Infrastructure													
1.02	<u>This Schedule must be read in conjunction with the accompanying Kendall Kingscott Tender Issue Drawings Nos.</u> <table> <tr> <td>180572 L(0)01-E</td><td>180572 L(0)06-A</td><td>180572 L(0)11-A</td></tr> <tr> <td>180572 L(0)03-B</td><td>180572 L(0)07-A</td><td>180572 L(2)06-A</td></tr> <tr> <td>180572 L(0)04-B</td><td>180572 L(0)08-A</td><td></td></tr> <tr> <td>180572 L(0)05-A</td><td>180572 L(0)10-A</td><td></td></tr> </table> Contained within <u>Appendix C</u>. Where any conflict is noted between the drawings and the Schedule of Works the Contractor should raise this as a clarification to UKSBS via the portal during the tender period.	180572 L(0)01-E	180572 L(0)06-A	180572 L(0)11-A	180572 L(0)03-B	180572 L(0)07-A	180572 L(2)06-A	180572 L(0)04-B	180572 L(0)08-A		180572 L(0)05-A	180572 L(0)10-A		
180572 L(0)01-E	180572 L(0)06-A	180572 L(0)11-A												
180572 L(0)03-B	180572 L(0)07-A	180572 L(2)06-A												
180572 L(0)04-B	180572 L(0)08-A													
180572 L(0)05-A	180572 L(0)10-A													
1.03	<u>Photography Schedule</u> This Schedule must be read in conjunction with the accompanying Site Photography Schedule Contained within Appendix H													

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A	General Information	
Item	Description	££
1.04	<u>Giromax Approved Installer</u> Giromax products have been specified for all cut edge corrosion treatments, liquid roof coatings and gutter linings. The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products. - Giromax approved status proof to be supplied with Tender. - Minimum 2 No. Case study project examples to be provided with Tender.	
1.05	<u>Giromax Inspections</u> Giromax products have been specified for all cut edge corrosion treatments, liquid roof coatings and gutter linings. Contact should be made with the Giromax Southampton Area Representative as early as possible to arrange for a minimum of 4 No. site inspections <u>PER ROOF</u> in order to achieve the Giromax sign off & 20 year system guarantee. 1. Training visit for operatives - surface preparation & application of products to standard 2. Post cleaning & preparation - inspection & sign off to commence cut edge application 3. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 4. Post roof coat application - inspection to sign off full system as complete & to standard These visits should be identified on the Contractors Programme of Works and additional visits requested should any queries or issues arise during the course of the works.	
1.06	<u>Euroclad Roofing Systems</u> A Euroclad roofing system has been specified for over-roofing of the Workshop, Stores and A3 building. The Contractor will ensure these systems are installed by an experienced and approved Euroclad cladding installer, familiar with the use of the specified products. Contact should be made with the Euroclad Southampton Area Representative as early as possible to arrange for a minimum of 3 No. site inspections <u>PER ROOF</u> to guarantee proper workmanship standards in order to achieve Euroclad sign off & 25 year system warranty. These visits should be identified on the Contractors Programme of Works and additional visits requested should any queries or issues arise during the course of the works.	

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A	General Information	
Item	Description	££
1.07	<u>Photon Energy</u> Photon Energy are the supplier and original installer of PVC systems currently in place on the following building roofs - Workshops & Stores A10 Building The PVC arrays along with all associated fixings, power supplies / cabling and trunking require removal prior to any works commencing to these areas. The removal and reinstallation should be done by Photon directly. Photon works quotation and PVC layout drawings contained within <u>Appendix D</u> Photon Contact - Jonathan Bates / jb@photonenergy.co.uk / 01189977470	
1.08	<u>Scaffold Design</u> The Contractor is to submit a preliminary scaffold design with tender, liaising with Photon Energy in its production to ensure suitability of use by their operatives for removal of the existing PVC array.	
1.09	<u>Safe Working Areas</u> The Contractor will be responsible for ensuring all working areas are safe and secure at all times. The Contractor is to include provision to ensure that no unauthorised access is achieved to the work areas over the course of the works. The Contractor is to confirm their methods for securing the works areas with their tender for consideration by the CA and client.	
1.10	<u>Protection of Surrounding Areas</u> Contractor is to allow to fully protect work areas as required for the duration of the works and will be deemed to have included suitable protection of floors, walls and equipment as part of this tender. The Contractor is to provide all necessary temporary protection to transition routes, existing accommodation and finished areas of the works. The Contractor is to include to remove and dispose of all temporary protection on completion of the works and to clean all areas where temporary protection has been installed upon removal.	

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A	General Information	
Item	Description	££
1.11	<u>Works Programming</u> Reference is to be made to REKAN Strategic Programme contained within Appendix B during Tender Pricing. The Contractor is to submit a Preliminary project Programme with their tender. All areas are in occupation and use. Programming should take into consideration the operational needs of the site users and allow for regular liaison with nominated user representatives to ensure the works schedule remains suitable to accommodate their requirements. The site is to be left in a clean condition at the end of each working day with all works either safely completed or provided with adequate temporary protection and secured against client / visitor / user access. The contractor is to ensure that any disruption is kept to a minimum and that access to all areas of the buildings are maintained where possible. The Contractor is to allow for adequate pedestrian and vehicle notices throughout the estate to warn of all site activity.	
1.12	<u>Construction Phase Plan</u> The Contractor must supply a copy of their Construction Phase Plan to the Principal Designer a minimum of 2 weeks prior to the intended works start date to allow for review and comment. Principal Designer - Kendall Kingscott Ltd / Gavin Cowling - gavin.cowling@kendallkingscott.co.uk	
1.13	<u>Building Control</u> The Contractor will allow for liaison with Butler & Young Approved Building Control Inspectors throughout the work to arrange for site inspections as well as provision of all relevant documentation / certification upon works completion to facilitate Building Control sign off.	

Section B - Workshop & Stores

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Tranche 01 - NOCS Outbuildings

B	Workshop & Stores	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> A built up over-roofing system is to be applied to Workshop & Store areas as indicated on the plans to achieve a full new, water tight roofing system capable of supporting the reinstallation of the existing Photo Voltaic Cells (PVC) arrays without buckling, bending or warping. The 'Euroclad Refresh' system should be fully certified and guaranteed for materials and workmanship for a duration of 25 years by Euroclad and the cladding Contractor with proof of guarantee to be supplied by the contractor upon handover. The HPS200 Coating system should be fully certified and guaranteed for a duration of 25 years by the TATA Steel Confidex Guarantee with proof of guarantee to be supplied by the contractor upon handover. The Giromax liquid applied systems should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or system manufacturer the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the Workshop & Stores Buildings as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)03 Workshop & Stores Scope of works <u>DOES NOT</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Internal access will be required in order to erect crash / safety netting - this should be arranged via David McKenna of NOCS in order for them to provide attendance. Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes.	

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B	Workshop & Stores	
Item	Description	££
0.04	<u>Existing Construction</u> Workshop Steel Portal, Single Sheet Cladding, Insulated with GRP Rooflights 1.45mm (d) Z Purlins at 950mm centres, 9 No. to ridge (18 No. to overall roof) Stores Steel Portal, Single Sheet Cladding, Insulated with GRP Rooflights 1.7mm Sigma Purlins at 1500mm centres, 10 No. to pitch	
1.00	PREPARATION	
1.01	<u>Removal of Existing Photon PVC Array</u> The PVC arrays along with all associated fixings, power supplies / cabling and trunking require removal prior to any works commencing to these areas. This should be done by Photon directly. The Contractor is to allow for - 1. Photon costs to disconnect, remove, store and reinstate the PVC & mounting system 2. Liaison with Photon throughout the works & associated programming 3. Management of Photon on site as the Main Contractors Sub-Contractor 4. Any OH&P in association with the above requirements Photon works quotation contained within <u>Appendix D.</u> Photon Contact - Jonathan Bates / jb@photonenergy.co.uk / 01189977470	
1.02	<u>Removal of Existing Solar Thermal Panel</u> This panel provides heating to the water tank in the Workshop area. Liaison will be required with NOCS Maintenance - John Tossler, 2 weeks prior to intended disconnection in order for the panel to be isolated from the BMS system. Notice will also need to be given regarding the duration this will be out of use. The Contractor is to allow for the following - 1. Disconnection & isolation of existing system 2. Removal of Thermal Panel & Fixing System 3. Storage of Thermal Panel & Fixing System	

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B	Workshop & Stores	
Item	Description	££
1.03	<u>Removal of Existing Fixtures</u> Allow to carefully remove existing Kee Klamp handrail system to North East pitch of roof area and dispose. Seal redundant fixing penetrations to existing roof surface with waterproof sealant.	
1.04	<u>Penetrations / Flashings / Gaskets</u> Allow to carefully remove and dispose of existing flashings to flue and wiring penetrations to allow insulation to be secured as tightly as possible around the diameter.	
1.05	<u>Removal of Verge / Barge Caps</u> Allow to take off and dispose of all existing barge / verge caps to the works area.	
1.05	<u>Removal of Existing Eaves Gutters</u> Allow to disconnect, take off and dispose of all existing eaves gutters, retaining downpipes for re-use.	
1.06	<u>Cleaning / Preparation of Existing Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix F</u>	
1.07	<u>Antenna Relocation</u> Allow to temporarily isolate and disconnect the Innovation Antenna box located to the Western end of the Kee-Klamp handrail. Allow to extend / re-route cabling and temporary mounting of the antenna on the Marczyk Roof opposite. Please note - disconnection is not to take place without consultation with and approval from Miles Pebody (miles.pebody@noc.ac.uk)	

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B	Workshop & Stores	
Item	Description	££
1.08	<u>GPS Equipment Relocation</u> Allow to temporarily isolate and disconnect the GPS equipment cable tied to the Eastern end of the Kee-Klamp handrail. Allow to extend / re-route any associated cabling and temporary mounting of the antenna on the Marczyk Roof opposite. Please note - disconnection is not to take place without consultation with and approval from Stephen Woodward (stephen.woodward@noc.ac.uk)	
1.09	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item B-1.09	
2.00	OVER-ROOFING	
2.01	<u>Euroclad Products</u> The following Euroclad systems / products have been specified for use - 1. Euroclad Refresh Composite Panel with SF500 Profile 0.7mm Steel Roof Sheet 2. Colorcoat HPS200 Ultra® by Tata Steel with Galvalloy® metallic coating 3. Euroclad Quattro 80mm Spacer Bar System Products to be stored and installed in strict accordance with manufacturer's instructions and by Euroclad Approved Installers.	
2.02	<u>Spacer Bar System</u> Supply and fix 80mm Euroclad Quattro Spacer Bar system through existing roof sheeting to achieve a new void between the existing and new roofing sheets. Support brackets to be fixed at 1m centres with standard self drive hexagonal headed fasteners through to existing purlins. Product to be stored and installed in strict according with manufacturer's instructions as contained within <u>Appendix E</u>	

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B	Workshop & Stores	
Item	Description	££
2.03	<u>Insulation</u> Supply and lay 120mm Euroclad Elite mineral wool quilt insulation in the void between the existing roof sheet and the new roof sheet to be installed, to ensure compression. Insulation to be laid from ridge to eaves allowing generous side and end laps to prevent gaps. Product to be stored and installed in strict accordance with manufacturer's instructions as contained within <u>Appendix E</u>	
2.04	<u>Eaves Packer / Fillers</u> Supply and fix new packers / fillers manufactured to match new roofing profile to full length and both pitch eaves as marked on plans.	
2.05	<u>Metal Profiled Roof Sheet</u> Supply and fix Euroclad SF500 Profile 0.7mm steel roofing sheet with Colorcoat HPS200 Ultra® by Tata Steel with Galvalloy® metallic coating in Goosewing Grey to the spacer bar system. Side and end laps to be sealed with butyl filler tape. Product to be stored and installed in strict accordance with manufacturer's instructions as contained within <u>Appendix E</u>	
2.06	<u>Barge Packer / Fillers</u> Supply and fix new packer / fillers manufactured to match new roofing profile to all Barge locations as indicated on plans.	
2.07	<u>Barge / Verge Caps</u> Supply and fix new 0.7mm steel barge / verge caps, in accordance with Euroclad approved Cladding Contractor's design. Coating colour to be Goosewing Grey to match metal sheet finish. Product to be stored and installed in strict accordance with manufacturer's instructions contained within <u>Appendix E</u>	
2.08	<u>Ridge Packer / Fillers</u> Supply and fix new ridge packers / fillers manufactured to match new roofing profile to full length and both pitches of ridge lines A and C as marked on plans.	

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B	Workshop & Stores	
Item	Description	££
2.09	<u>Ridge Caps</u> Supply and fix new 0.7mm steel Euroclad ridge cap in accordance with Euroclad approved Cladding Contractor's design. Coating colour to be Goosewing Grey to match metal sheet finish. Product to be stored and installed in strict according with manufacturer's instructions contained within <u>Appendix E</u>	
2.10	<u>New Eaves Gutter</u> Supply and fix new 0.7mm steel eaves gutter manufactured in accordance with Euroclad approved Cladding Contractor's design. Allow for minimum 150mm horizontal lap per length of gutter run. Allow to fix to new roofing system in line with Cladding contractors design and to a higher level than the old gutter to sit level with new roof weather sheet. <u>Note</u> - The Contractor is to check and confirm suitability of all gutter design dimensions on site prior to placing any orders.	
2.11	<u>Extension of Existing Downpipes</u> Allow to extend height of existing downpipes to meet new, raised gutter line and interconnect to form a water tight drainage system.	
2.12	<u>Eaves Gutter Flashing</u> Supply and fix new eaves gutter flashing, to be 0.7mm steel sheet and manufactured in accordance with Euroclad approved Cladding Contractor's design. Allow for minimum 150mm horizontal lap per length per flashing run and minimum 150mm underlap of steel sheet. Product to be stored and installed in strict according with manufacturer's instructions. <u>Note</u> - The Contractor is to check and confirm suitability of all flashing dimensions on site prior to placing any orders.	

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B	Workshop & Stores	
Item	Description	££
2.13	<u>Eaves Edge Flashing</u> Supply and fix new edge flashing detail, to be 0.7mm steel sheet and manufactured in accordance with Euroclad approved Cladding Contractor's design. Flashing is to seal cladding joint between elevation and old roof sheeting and sit below the newly installed gutter. Allow for minimum 150mm horizontal lap per length per flashing run and minimum 150mm overlap of steel deck sheet and elevation cladding. Product to be stored and installed in strict according with manufacturer's instructions. Note - The Contractor is to check and confirm suitability of all flashing dimensions on site prior to placing any orders.	
2.14	<u>Valley Gutter Flashing</u> Supply and fix new valley gutter flashing, to be 0.7mm steel sheet and manufactured in accordance with Euroclad approved Cladding Contractor's design. Allow for minimum 150mm horizontal lap per length per flashing run and minimum 150mm underlap of steel sheet. Product to be stored and installed in strict according with manufacturer's instructions. Note - The Contractor is to check and confirm suitability of all flashing dimensions on site prior to placing any orders.	
2.15	<u>Internal Gutter Flashing</u> Supply and fix new internal gutter flashing, to be 0.7mm steel sheet and manufactured in accordance with Euroclad approved Cladding Contractor's design. Allow for minimum 150mm horizontal lap per length per flashing run and minimum 150mm underlap of steel sheet. Product to be stored and installed in strict according with manufacturer's instructions. Note - The Contractor is to check and confirm suitability of all flashing dimensions on site prior to placing any orders.	
2.16	<u>EC S-5-K Grip Metal Roof Clamp Installation</u> Supply and fix new Euroclad S-5-K Grip Metal Roof Clamp installation for Solar Panel mounting system in strict accordance with manufacturer's instructions. Installation to be done by, or in close liaison with, Photon Energy to ensure layout is appropriate to receive PVC installation.	

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B	Workshop & Stores	
Item	Description	££
3.00	GUTTER TREATMENT	
3.01	<u>Giromax Products</u> The following Giromax systems / products have been specified for use on this building to 2 No. valley gutters, and 1 No. internal gutter as indicated on the plans - Girosil BaseCoat Girosil SE Sealant Girosil GUTTER RC-G Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within contained within <u>Appendix F</u>	
3.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
3.03	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.04	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	
3.05	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 2 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	

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B	Workshop & Stores	
Item	Description	££
3.06	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
3.07	<u>Application of Giosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
3.08	<u>Application of Giosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m² per litre.	
4.00	REINSTALLATION	
4.01	<u>Existing PVC Array</u> As covered within Item 1.01 above.	N/A
4.02	<u>Handrail System</u> Provide and fix new edge protection handrail system to Western end of walkway access in proximity to Gutter Line D (location as indicated on plans). Allow for 3lm of handrail, foot plates to be secured with a minimum of 12 No. non-penetrative fixings such as S5 K-Grip Mini Roof clamps, or equivalent product. System to be approved by Project Manager prior to orders being placed.	

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B	Workshop & Stores	
Item	Description	££
4.03	<u>Servicing & Replacement of Solar Thermal Panel</u> The Contractor is to allow for the following - 1. Testing of existing pipework supply and return 2. Adaptation / extension of pipework to accommodate new roof build up 3. Servicing of panel prior to reinstallation 4. Allowance for Repairs to Panel as Early Warning Register Item B-4.03 5. Replacement of damaged tubes - allow for 2 No. 6. Supply and installation of new panel fixing system 7. Reinstallation of Thermal Panel to equivalent position on new roof 8. Connection, testing and commissioning of reinstalled system 9. Provision of servicing, testing and commissioning records / certification upon handover	
4.04	<u>Solar Thermal Pipe Flashing</u> Supply and install 2 No. new flashings to new roof surface around extended pipework runs to be Dektite DFE 100 / 101 with cable nipples. Colour to be Grey, material to be EPDM. Installation in strict accordance with manufacture's instructions. Product details contained within <u>Appendix F.</u> <i>Note - EPDM has been specified assuming pipe temperature of no greater than 115 degrees celsius. After secure roof access has been established the contractor is to check pipe diameter and temperatures to ensure product suitability prior to placing any orders.</i>	
4.05	<u>Flashing to Flue Penetrations</u> Product details contained within <u>Appendix F.</u> <i>Note - EPDM has been specified assuming flue temperature of no greater than 115 degrees celsius. After secure roof access has been established the contractor is to check flue diameter and temperatures to ensure product suitability prior to placing any orders.</i>	

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B	Workshop & Stores	
Item	Description	££
4.06	<u>Workshop Roof Mounted Fans - TYPE A</u> Allow to isolate, disconnect and temporarily remove 3 No. Type A existing roof mounted fans. Dismantle and temporarily remove existing housings. Remove and dispose of existing purlin box and flashings / soaker sheets. Supply and install to each fan location - - New purlin box (depth increased to suit new roof build up) - New soaker sheet & upstand flashing (depth increased to suit new roof build up) - New installation to be finished with Euroclad liquid flashing appliance. Replace and reconnect fan, re-install housing. Allow to test fan to ensure full function. <u>Note - soaker sheet to be fabricated to match new roof profile and run back to terminate below ridge cap to ensure proper weatherproofing is achieved. Alternative weatherproofing designs / flashing details etc. will be considered and should be submitted to the Project Manager.</u>	
4.07	<u>Workshop Roof Mounted Fans - TYPE B</u> Allow to isolate, disconnect and temporarily remove 4 No. Type B existing roof mounted fans. Dismantle and temporarily remove existing housings. Remove and dispose of existing purlin box and flashings / soaker sheets. Supply and install to each fan location - - New purlin box (depth increased to suit new roof build up) - New soaker sheet & upstand flashing (depth increased to suit new roof build up) - New installation to be finished with Euroclad liquid flashing appliance. Replace and reconnect fan, re-install housing. Allow to test fan to ensure full function. <u>Note - soaker sheet to be fabricated to match new roof profile and run back to terminate below ridge cap to ensure proper weatherproofing is achieved. Alternative weatherproofing designs / flashing details etc. will be considered and should be submitted to the Project Manager.</u>	
4.08	<u>Roof Mounted Fans - Electrical</u> Allow to adapt / extend existing wiring to roof mounted fans where required to account for reinstallation to a higher position in line with adaptations as detailed above. Provide costing for full testing, commissioning and certification of these systems post works.	

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B	Workshop & Stores	
Item	Description	££
4.09	<u>Temporary Weather Protection</u> Where any works to remove flues, fans etc. will leave the internal Workshop or Store areas exposed to external conditions allowance is to be made for temporary weather protection of exposed penetrations.	
5.00	HANDOVER	
5.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
5.02	<u>Electrical Testing & Certification</u> Supply all electrical testing and certification records for systems which have been altered or added to during the course of the works.	
5.03	<u>Building Control Sign Off</u> Provide for final Butler & young site visit / supply of information in order to certify all works as compliant under the Building Regulations and supply copies of certification upon handover.	
5.04	Supply O&M Manuals in both electronic and paper formats upon handover.	
5.05	Supply H&S Manual in both electronic and paper format upon handover.	
5.06	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof and gutters upon completion.	

Section C - A1 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the A1 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)04 A1 Building External Details Scope of works <u>DOES NOT</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes.	
1.00	PRODUCT / SYSTEM	
1.01	<u>Giromax Products</u> The following Griomax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
1.03	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	
4.00	SURFACE PREPARATION	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item C-4.04	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m2 per litre.	
7.00	ROOF SHEET TOPCOAT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Girosil system application and re-fix upon completion.	
8.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

C	A1 Building	
Item	Description	££
8.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Girosil system application and re-fix upon completion.	
8.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Girosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Girosil system as detailed above.	
8.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.07	<u>Oversized Roof Sheeting</u> Allow to take off existing oversized metal sheeting panels currently overhanging the gutter. Cut back sheet gutter edge to match surrounding eaves sheeting lengths and re-fix to previous location.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof and gutters upon completion.	

Section D - A3 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the A3 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)05 A3 Building External Details Scope of works <u>DOES NOT</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Internal access may be required in order to erect crash / safety netting - this should be arranged via David McKenna of NOCS in order for them to provide attendance. Internal access may be required in order to complete works to roof mounted fans - this should be arranged via David McKenna of NOCS in order for them to provide attendance. Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes.	
1.00	PRODUCT / SYSTEM	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
1.01	<u>Giromax Products</u> The following Griomax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	
4.00	SURFACE PREPARATION	
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item D-4.04	
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m2 per litre.	
7.00	ROOF SHEET TOPCOAT	
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D	A3 Building	
Item	Description	££
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Giosil system application and re-fix upon completion.	
8.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
8.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
8.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

D Item	A3 Building Description	££
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof, gutters, roof mounted fan casings and all building elevations upon completion.	

Section E - A4 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

E	A4 Building	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the A4 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)06 A4 Building External Details	
0.03	<u>Aquarium - Special Consideration</u> The A4 Building is a lean to structure with open elevations containing water tanks housing live aquatic species. The utmost care is to be taken at all times to avoid any damage / disruption to the tanks and their contents. Protective measures are to be taken during the works to ensure the tanks remain isolated from any possible contamination. The Contractor is to submit proposals and provide costs for the erection of a temporary secondary roofing structure above the water tanks and below the existing roof in order to fulfil this requirement. Approval of the protection system will be required directly from the client, NOCS, prior to works commencing.	
1.00	PRODUCT / SYSTEM	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E	A4 Building	
Item	Description	££
1.01	<u>Giromax Products</u> The following Giromax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E Item	A4 Building Description	££
4.00	SURFACE PREPARATION	
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item E-4.04	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E Item	A4 Building Description	££
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E	A4 Building	
Item	Description	££
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m² per litre.	
7.00	ROOF SHEET TOPCOAT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E Item	A4 Building Description	££
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Girosil system application and re-fix upon completion.	
8.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

E	A4 Building	
Item	Description	££
8.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
8.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
8.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof upon completion.	

Section F - A5 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

F	A5 Building	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps, gutter elevation cladded surfaces comprising the A5 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)07 A5 Building External Details Scope of works <u>DOES</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes.	
0.04	<u>Hazard Warning</u> Flammable Materials & Gas Storage A51/01 Paint Store - flammable liquids, oxidisers, toxic and corrosive substances. A51/04 Paint Store - flammable liquids A51/07 Plant Room - mechanical & electrical equipment A51/08 Battery Ch. Room - batteries A51/09 Compressor Room - compressed gasses (non-flammable) External Caged Storage - argon, nitrogen and oxygen tanks (non-flammable)	
1.00	PRODUCT / SYSTEM	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F	A5 Building	
Item	Description	££
1.01	<u>Giromax Products</u> The following Giromax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F Item	A5 Building Description	££
4.00	SURFACE PREPARATION	
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item F-4.04	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F	A5 Building	
Item	Description	££
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F Item	A5 Building Description	££
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m² per litre.	
7.00	ROOF SHEET TOPCOAT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F	A5 Building	
Item	Description	££
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Girosil system application and re-fix upon completion.	
8.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

F	A5 Building	
Item	Description	££
8.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
8.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
8.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof, gutters and all building elevations upon completion.	

Section G - A6 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the A6 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)08 A6 Building External Details Scope of works <u>DOES NOT</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Internal access may be required in order to erect crash / safety netting - this should be arranged via David McKenna of NOCS in order for them to provide attendance. Internal access may be required in order to complete works to remove the redundant flue - this should be arranged via David McKenna of NOCS. Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes.	
1.00	PRODUCT / SYSTEM	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
1.01	<u>Giromax Products</u> The following Giromax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
4.00	SURFACE PREPARATION	
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item G-4.04	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m2 per litre.	
7.00	ROOF SHEET TOPCOAT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Removal of Redundant Flue</u> Allow to disconnect, remove and dispose of existing flue to the full internal and external extent of its presence. Supply and fix new profiled liner sheet, infill insulation and profiled metal roof panel to close up redundant penetration. New profiled metal roof sheet to extend the full length of the pitch and terminate below the ridge cap. Seal and fix tight to ensure repair section is fully water proofed and treat in line with Giromax specification above.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
8.02	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Giosil system application and re-fix upon completion.	
8.03	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.04	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
8.05	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.06	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
8.07	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

G	A6 Building	
Item	Description	££
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof and gutters upon completion.	

Section H - A9 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

H Item	A9 Building Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps, gutter elevation cladded surfaces comprising the A9 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)10 A9 Building External Details Scope of works <u>DOES</u> include metal sheet cladding to walls / elevations.	
0.03	<u>Access Requirements / Restrictions</u> Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits as well as emergency exits and delivery routes. In the case of the A9 Building scaffold / access equipment should not be placed on or near the railway line. A9 is located in close proximity to a live railway line. As such safe working practices should be developed to ensure the safeguarding of Operatives during this phase of works. It is unlikely the railway services will be able to be limited or suspended for any duration and the Contractor is to allow for liaison with NOCS in order to gain authorisation, establish the most suitable times, dates, access arrangements and protective measures for this section of works. Notification to Associated British Ports will be required prior to works commencing to this building. The Contractor is advised that works to Building A9 will be disrupted to allow passing train movements. The Contractors shall allow to make safe the working area and vacate the workforce to within the safe working area inside of the NOCS perimeter fence. The Contractor shall allow for a maximum of 6 No. Train movements per day with each movement lasting 20 minutes. All costs associated with which are to be included within this section of the priced activity schedule.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H	A9 Building	
Item	Description	££
0.04	<u>Railway Attendant</u> The Contractor is to allow for 1 No. operative to act as a 'Railway Attendant' for the duration of works to the A9 Building. Duties to include, but not limited to, observing the line to give fair warning when trains may be approaching the works area.	
1.00	PRODUCT / SYSTEM	
1.01	<u>Giromax Products</u> The following Griomax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICTIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H	A9 Building	
Item	Description	££
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	
4.00	SURFACE PREPARATION	
4.01	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H Item	A9 Building Description	££
4.03	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item H-4.04	
4.05	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H	A9 Building	
Item	Description	££
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m2 per litre.	
7.00	ROOF SHEET TOPCOAT	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H	A9 Building	
Item	Description	££
7.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
7.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
8.00	FACILITATING / ADDITIONAL WORKS	
8.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Girosil system application and re-fix upon completion.	
8.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

H	A9 Building	
Item	Description	££
8.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
8.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
8.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
8.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.00	HANDOVER	
9.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
9.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
9.03	Supply H&S Manual in both electronic and paper a format upon handover.	
9.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof, gutters and all building elevations upon completion.	

Section I - A10 Building

Schedule of Works

Tranche 01 - NOCS Outbuildings

I Item	A10 Building Description	££
0.00	BUILDING SPECIFIC DETAIL	
0.01	<u>Quality / Design Intentions Statement</u> The system application should achieve, upon completion, a uniform colour and depth of coating to all roof sheeting, ridge caps, gutters and verge caps. The system should be fully certified and guaranteed by Giromax for a duration of 20 years with proof of guarantee to be supplied by the contractor upon handover. Where the above is not considered to have been achieved by the Project Manager or Giromax representative the Contractor will be requested to revisit and remediate works at no additional cost to the client until both parties are satisfied with the quality delivered and the guarantee is issued.	
0.02	<u>Scope / Area of Work</u> All roof sheet, ridge cap, verge caps and gutter surfaces comprising the A10 Building as indicated on the following plans - 180572 L(0)01 Site Logistics & Works Locations 180572 L(0)11 A10 Building External Details Scope of works <u>DOES NOT</u> include metal sheet cladding to walls / elevations. NOTE - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
0.03	<u>Access Requirements / Restrictions</u> Internal access may be required in order to erect crash / safety netting - this should be arranged via David McKenna of NOCS in order for them to provide attendance. Scaffold designs for these buildings should take account of regular ongoing NOCS site operations and should avoid blocking main entrances and exits (including large workshop shutters) as well as emergency exits and delivery routes. Access to the building by emergency vehicles should be maintained at all times.	
1.00	PRODUCT / SYSTEM	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
1.01	<u>Giromax Products</u> The following Giromax systems / products have been specified for use on this building - Girosil BaseCoat Girosil SE Sealant Girosil EDGE RC-E Girosil GUTTER RC-G Girosil Giroglaze Girosil ROOF COAT RC Surface preparation and application to be in strict accordance with Giromax specification documentation and data sheets contained within <u>Appendix F</u>	
1.02	<u>Storage</u> Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. The Contractor will arrange for containers to be stored tightly closed, in a cool, well ventilated, frost free area at all times when not in use.	
2.00	CONTRACTOR QUALIFICATIONS	
2.01	<u>Giromax Approved Installer</u> The Contractor will ensure these systems are applied by an experienced and approved Giromax installer, familiar with the use of the specified products.	
3.00	SITE VISITS	
3.01	<u>Pre-Application Training</u> Prior to any works commencing the Contractor is to arrange for Giromax to attend site to deliver a training update on the preparation and application of the specified systems.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
3.02	<u>Giromax Inspection Visits</u> The Contractor is to arrange for a minimum of 3 No. site visits by the Giromax Area Representative during the course of the works as follows - 1. Post cleaning & preparation - inspection & sign off to commence cut edge application 2. Post cut edge treatment - inspection to sign off cut edge & commence roof & gutter coat 3. Post roof coat application - inspection to sign off full system as complete & to standard Additional visits requested should any queries or issues arise during the course of the works.	
4.00	PREPARATION	
4.01	<u>Removal of Existing Photon PVC Array</u> The PVC arrays along with all associated fixings, power supplies / cabling and trunking require removal prior to any works commencing to these areas. This should be done by Photon directly. The Contractor is to allow for - 1. Photon costs to disconnect, remove, store and reinstate the PVC & mounting system 2. Liaison with Photon throughout the works & associated programming 3. Management of Photon on site as the Main Contractors Sub-Contractor 4. Any OH&P in association with the above requirements Photon works quotation contained within <u>Appendix D</u>	
4.02	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Brush off existing surface to remove any loose debris. Apply 1 No. saturated coat of Mathys AMW Fungicidal Wash to all areas of mould, fungi and lichen. Wait 12 hours and proceed to remove debris by power washing or use of a stiff brush. Apply a further coat to the full roof area and allow to dry in order to render substrate sterile. Product to be used and applied in strict accordance with manufacturer's instructions as contained within <u>Appendix G</u>	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I Item	A10 Building Description	££
4.03	<u>Cleaning / Preparation of Existing Roof Surfaces</u> Prepare entire surface to Swedish Standard ST2. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings (including around fixings and side laps) and foreign matter. Some coatings require complete removal, refer to Giromax if unsure. Use power jetting equipment fitted with a rotating spinning head to deliver min 3000 psi in addition to conventional mechanical and manual methods, observing standard decorative practice. Passivate (T-wash) bare galvanised substrates. <u>Do not use soap solutions in the cleaning process.</u>	
4.04	<u>Drainage Systems</u> Allow to - 1. rod and flush through all drainage systems, gutters and downpipes 2. fully test function & waterproofing of current system 3. identify any issues in need of remedial works to Project Manager 4. Allowance for materials & labour in relation to remedial works as Early Warning Register Item I-4.04	
4.05	<u>Cleaning / Preparation of Existing Gutters</u> Clean out and remove all silt, moss, foliage and debris from gutters. Remove old treatments, dirt, grease, and surface contaminants. Ensure substrate is clean and touch dry. Remove loose, flaking and heavy pack corrosion and prepare substrate to Swedish Standard ST2. Ensure surface is keyed and not polished. Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	
4.06	<u>Cleaning / Preparation of Corroded Edges</u> Remove loose and flaking coatings, scrape back to a firm edge. Key surface to Swedish Standard ST2. Remove non-adherent rust staining, swarf and debris. Finally, clean the surface using isopropyl alcohol. <u>DO NOT use a soap detergent.</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation area to avoid contamination of application and surrounding area.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I Item	A10 Building Description	££
4.07	<u>Cleaning / Preparation of Roof Lights</u> All surfaces must be clean, dry and free from surface contamination. De-grease if required prior to application. Remove any fungus or mould growth. Most surfaces do not require priming however positive adhesion should be checked on non-standard surfaces. If necessary prime with PU primer.	
5.00	CUT EDGE CORROSION TREATMENT	
5.01	<u>NOTE</u> - where cut edge corrosion treatment is specified pricing is to allow for sheet edges ONLY (at gutters and eaves) not for intermediary sheet lap joints / seams.	
5.02	<u>Application of Girosil BaseCoat</u> To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) in a neat line that extends to at least 12mm above the firm edge ensuring complete coverage of all exposed, prepared metalwork. Apply to either side of the overlap. At overhangs, achieve contact with the sheet underside to ensure edge encapsulation. Allow to cure, approximately 2 hours depending on time of year.	
5.03	<u>Application of Girosil SE & Edge RC-E</u> Surfaces to be treated must be free of dirt, mould, oil & grease. Remove debris from preparation to avoid contamination of application and surrounding area. To avoid disturbing new lap seal, commence application furthest from roof access. Do not proceed with treatment to the cut edge of the sheet if perforation or corrosion is evident beyond its primary fixing. Overlaps (including flashing laps) - Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® Edge RC-E, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® Edge RC-E, in a neat line that overlaps GIROSIL® BaseCoat by approx 12mm to a minimum 250 µm DFT. Ensure application contacts the sheet underside to achieve full encapsulation the cut edge.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
5.04	<u>Provisional Cut Edge Treatment</u> Provide an provisional cost for a further 5 lm of additional preparation and application of cut edge corrosion treatment identified on site. Additional treatment requirements to be notified to the Project Manager with any additional works too be instructed in writing prior to commencement.	
6.00	GUTTER TREATMENT	
6.01	<u>Application of Girosil SE</u> Gun apply GIROSIL® SE to the joint to form a complete bridged seal. Tool immediately with one coat of GIROSIL® RC-G, brush applied to at least 25mm either side of gutter joint (including and encapsulating joint bolts.) Apply before the sealant has cured (wet on wet) to form a fillet between the abutting plates.	
6.02	<u>Application of Girosil Gutter RC-G</u> On completion of preparation and joint treatment, brush or roller apply one coat of GIROSIL® Gutter RC-G, to achieve complete coverage of all prepared surfaces at a rate of 2m2 per litre.	
7.00	ROOF LIGHTS OVERCOAT	
7.01	<u>Replacement Fixings</u> Allow to remove existing fixings and dispose of. Replace with new, high visibility red capped fixings. The Contractor is to price for 8 No. roof lights with coverage of 12 No. new fixings per light.	
7.02	<u>Application of Girosil Giroglaze</u> Application may be undertaken in one or two coats by roller or brush to achieve a final coating thickness equivalent to a coverage rate of 2m2 per kilo. Apply 2 No. coats, allowing the first coat to cure (minimum 6 hours) before second coat is applied. If brushing, apply second coat at right angles to the first. The Contractor is to price for 8 No. roof lights with coverage of 3 m2 per light.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
7.03	<u>Reinforcing Polyester Fleece</u> Supply and lay into the Giroglaze coating a reinforcing polyester fleece lining. The fleece should be installed within 30 minutes of applying the Giroglaze, ensuring full contact is made over the whole profile. Ensure fleece is fully 'wetted' into the Giroglaze using a brush roller. The Contractor is to price for 8 No. roof lights with coverage of 3 m2 per light.	
8.00	ROOF SHEET TOPCOAT	
8.01	<u>Application of Girosil BaseCoat</u> Brush or roller apply one coat of GIROSIL® BaseCoat to a min. WFT of 100 µm (55 µm DFT) ensuring complete coverage of all substrate corrosion. Allow to cure, approx 2 hours depending on time of year. Sheet Fixings - Remove cap where practicable then brush apply one coat of GIROSIL® BaseCoat to sheet fixings. Allow to cure. Sheet End Gutter Overhang / Eaves and Flashing Edges - Brush or roller apply GIROSIL® BaseCoat in a neat line, ensuring application contacts the sheet underside to achieve full encapsulation the cut edge. Allow to cure. Overlaps (including flashing laps) - Brush or roller apply GIROSIL® BaseCoat in a neat line to either side of an overlap. Allow to cure. Gun apply GIROSIL® SE to the joint to form a bridged seal, then tool with one coat of GIROSIL® RoofCoat RC, brush applied 'wet on wet' to achieve a smooth fillet. Overlap GIROSIL® BaseCoat by approx. 12mm either side of the joint, in a neat band at least 75mm wide and totalling a minimum 250 µm DFT that visually obscures top sheet edge.	
8.02	<u>Application of Girosil Roofcoat RC</u> On completion of the above steps, apply one coat of GIROSIL® RoofCoat RC by roller or brush to prepared, clean, structurally sound surfaces to a finished dry film thickness of at least 200 microns. DO NOT SPRAY APPLY.	
9.00	FACILITATING / ADDITIONAL WORKS	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
9.01	<u>Ridge Cap Removal & Refixing</u> Allow to remove existing ridge capping to facilitate access to full length of sheeting during Giosil system application and re-fix upon completion.	
9.02	<u>Ridge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing ridge packers. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.03	<u>Verge Cap Removal & Refixing</u> Allow to remove existing verge capping to facilitate access to full length and width of sheeting during Giosil system application and re-fix upon completion.	
9.04	<u>Verge Cap Packer Replacement</u> Allow to remove and dispose of 25% of existing verge packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
9.05	<u>Access to Bottom Edge of Eaves Sheeting</u> If required for proper application of Giosil system to underside of sheet edges by gutters. Remove existing fixings to roof sheet near eaves level to release bottom edge. Carefully turn up bottom edge of sheet, being careful not to cause creasing or buckling, and apply Giosil system as detailed above.	
9.06	<u>Eaves Packer Replacement</u> Allow to remove and dispose of 25% of existing eaves packers. Supply and fit new, manufactured to match roof profile. Exact lengths to be identified and confirmed by Project Manager on site. Supply and fit new, manufactured to match roof profile.	
10.00	HANDOVER	
10.01	<u>Drainage Systems</u> Allow to fully test drainage systems, gutters and downpipes in order to ensure a fully water tight and free flowing system is handed over to NOCS.	
10.02	Supply O&M Manuals in both electronic a paper formats upon handover.	
10.03	Supply H&S Manual in both electronic and paper a format upon handover.	

Schedule of Works

Tranche 01 - NOCS Outbuildings

I	A10 Building	
Item	Description	££
10.04	<u>Handover Cleaning</u> Allow to perform final clean of newly resurfaced roof and gutters upon completion.	