

<b>ROBBEN ISLAND MUSEUM - RIM VILLAGE REGENERATION</b>		BUILDING	<b>HOUSE</b>
		NUMBER	<b>No 1</b>
<b>REPAIRS &amp; RENOVATIONS PROJECT FOR DEPARTMENT OF PUBLIC WORKS</b>		<b>GENERAL SPECIFICATION</b>	
<b>GROENEWALD PRELLER ARCHITECTS CC</b> TEL 021 448 1633 FAX 086 664 7028 E-MAIL : <a href="mailto:sue.gparch@new.co.za">sue.gparch@new.co.za</a> Acting as OVERSEEING ARCHITECTS		DOCUMENT REF	<b>GS1</b>
		DATE	<b>2011-01-24</b>
<b>INTENT</b>	<b>REPAIR AND DECORATE EXTERIOR DOING AS MUCH AS IS NECESSARY AND AS LITTLE AS POSSIBLE</b>	REVISION	
<b>SPECIAL NOTES</b>	<i>COLOURS TO BE AS EXISTING. PREVIOUSLY UNPANITED ASBESTOS CEMENT ROOFS: FINISH COATS TO BE PLASCON : COLOUR 'TENT'</i> <b>ALL REQUIREMENTS IN RESPECT OF WASTE, TIDINESS, CLEARING ON COMPLETION, ASBESTOS WASTE HANDLING AND RIM &amp; OHS REQUIREMENTS APPLY</b>		
<b>GENERAL WORKS EXISTING FABRIC: All work to be carried out in accordance with descriptions below. Preparation and application of paint products to comply with the manufacturer's specifications. Where any of these differ from the specifications below, the contractor to request clarity from the Overseeing Architects (GPA)</b>			
<b>ITEM</b>	<b>EXISTING</b>	<b>RENEWAL</b>	
<b>ROOF, MAIN</b>	Asbestos Cement Sheets, painted. Areas of applied patching. Replace damaged and patched sheets with salvaged sheets of matching profile. Provide sound watertight gutters and downpipes to capture all washing water. Clean, prepare, seal and paint as per Paint System No 1 below. Check flashings to chimney and repair as required.	Replace complete only severely damaged sheets with fibre cement sheets of matching profile. Use salvaged sheets from rough structure at rear of No 40, Church Street. Prepare and paint with rest of roof.	
<b>ROOF, PORCH</b>	Concrete slab over porch on south elevation. Tank standing on roof. Torched on waterproofing material deteriorated, partly missing and loose. Some spalling of concrete and rusted steel rebars exposed to underside at wall. Remove tank and relocate on adjacent plinth (original position). Remove all remaining waterproofing material and re-do. Repair spalled areas of concrete all as System No 11 below. Paint soffit as walls, Paint System 4 below	Apply new waterproofing material to whole of roof, including minm 150 flashed upstand to wall abutment. All as System 15 below	
<b>GUTTERS &amp; DOWNPIPES</b>	Asbestos cement gutters and downpipes. Some missing components. Check and make good all brackets and secure fixings. Prepare, seal and paint as Paint System No 2 below.	Replace only missing length of gutter and downpipes with fibre cement components to match, including new brackets/fixings as required. Decorate as rest.	

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<b>ITEM</b>	<b>EXISTING</b>	<b>RENEWAL</b>	
<b>FASCIAS &amp; BARGEBOARDS</b>	Asbestos cement boards, painted. Some loose fixings. Secure where loose. Rust-proof all nailheads. Prepare, seal and paint as Paint System No 2 below	If renewal of components required, seek direction from GPA	
<b>EAVES SOFFITS</b>	Timber, painted. Generally sound. Prepare and paints as Paint System No 3 below	If renewal of components required, seek direction from GPA	
<b>HOUSE WALLS</b>	Plaster, painted. Some cracking, notably at junction between braai yard walls and main house walls. Areas of spalling and flaking paint. Clean wall surfaces and remove loose and flaking paint Replace areas of loose and damaged plaster and repair cracks as Systems Nos 12 & 13 below. Cut out cracks at braai walls and install Expansion Joints as System No 14 below. Prepare and paint as Paint System No 4, including reveals & soffits to openings.	No renewals	
<b>CILLS</b>	Some tiled, painted. Prepare and paint as Paint System No 5 below. Some timber, integral with frame. Treat as window frame.	No replacement anticipated. Bring to GPA's attention any defective cill elements.	
<b>WINDOWS : ORIGINAL - Frames to be redecorated inside and out</b>	<u>Original hardwood frames</u> with integral timber cills. Originally clear varnish, later applications of varnish stain. Finish cracking. Glazed with clear glass. Some cracked and broken panes, some missing and cracked putty. Replace cracked and broken panes. Renew putty as required. All opening lights and catches/stays to be serviced to operate properly. Prepare and paint strictly as Paint System No 8 below.	No replacement frames. Only glass panes where cracked or broken and deteriorated puttywork as required.	

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<b>WINDOWS : PORCH - Frames to be redecorated inside and out</b>	Timber window frames, added later to enclose porch. Painted. Paint deteriorated, cracked and peeling. Some rotted timber to short lengths of casement frames and mullions. Glazed with clear glass. Some cracked and broken panes, some missing and cracked putty. Cut out lengths of rotted timber and splice in lengths to match. Replace cracked and broken panes. Renew putty as required. All opening lights and catches/stays to be serviced to operate properly. Prepare and paint strictly as Paint System No 9 below.	No new frames required. Limited repair only.	
<b>DOORS and FRAMES : to be redecorated inside and out</b>	Timber, some stained/varnished; some painted. Condition generally sound. Prepare and decorate as Specification below – Varnished doors to be varnished: see Paint System No 8 below Painted doors to be painted: see Paint System No 9 below	No renewal anticipated [Paint System No ***** for any new woodwork to be painted]	
<b>AROUND FRAMES</b>	Some frame/wall plaster junctions have been filled with sealant. Redecoration works will disturb this and it should be removed. Generally it is not required to be replaced, only where gap is excessive should it be renewed – See Paint System No 10 below.		
<b>DOOR &amp; WINDOW IRONMONGERY</b>	Various. All existing to be retained. Remove where required for decoration of doors and frames and replace. Check all screw fixings and make tight. Oil hinges on completion. Clean handles, etc with domestic detergent and wipe down with clean damp cloth. Do not paint any Ironmongery.	Replace or renew only on specific instruction of GPA.	

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<b>WATER TANKS</b>	Wash down, prepare, seal and paint: See Paint System No 2 below. NOTE : Water tank on porch roof to be relocated to original position on plinth adjacent west wall of porch.	No renewals	
<b>TANK PLINTHS</b>	Prepare & paint as main house walls: See Paint System No 4 below.		
<b>SURFACE PIPEWORK</b>	Copper water supply pipework, painted; polycarb water supply pipework, unpainted; pvc and other waste pipes; steel electrical conduit pipes, painted. Clean and leave polycarb and pvc unpainted. Prepare and paint steel conduit pipes as Paint System No 6 below. Prepare & paint copper pipes & fittings as Paint System No 7 below. NOTE : pipework from tank on porch roof to be removed in toto, but retain bib tap at kitchen sink and bend on pipe below kitchen window outside. Make good penetration and decorate as walls.	No replacement anticipated. Draw GPA attention to any defective pipework	
<b>BRAAI AREA</b>	Masonry walls, plastered, painted. Some cracking. Outside door and one part frame missing. Introduce expansion joints to junctions at house walls, as Specfn below. New smooth plaster to area where frame missing. Repair cracks and paint walls, all as System 4 below.	Expansion joints are new. <u>Missing door and frame element not to be replaced</u>	
<b>STEPS TO DOORS</b>	Concrete, painted. Prepare and paint as Paint System No 5 below. Copings to low flanking walls at front door steps : as steps.		
<b>OUTBUILDING</b>	Plastered masonry, asbestos cement roof, painted timber windows. Repairs and decorations as main house roof, gutters & downpipes, fascias and soffits, walls, windows, cills, doors, door steps & pipework	Renew only missing gutters and downpipes to match	
<b>LOOSE CABLES</b>	Any loose Telkom and other cabling to be suitably re-attached		

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<b>ITEM</b>	<b>EXISTING</b>	<b>RENEWAL</b>	
<b>BOUNDARY WALLS/FENCES</b>	<p><u>Front (east), side (south) and part side (north):</u> Precast concrete system of panels slotted in posts. Generally in very poor condition: broken elements, spalled concrete. Retain only one bay east of front gate and four bays west of front gate (north boundary) Remainder : demolish and remove from site all of rest, as directed by DPW. <b>NOTE</b> : one decorative top panel to be salvaged for use at No 49 Church Street.</p> <p><u>Remainder of North boundary and rear</u> : plastic coated chain link fencing on posts, collapsing in part. Repair/renew as directed by DPW.</p>	<p><u>West and South boundaries</u> : New Vibracrete walling as directed by DPW. <u>Part North and rear boundaries</u> : Repair and renewals of chain link fencing as directed by DPW</p>	
<b>TREES AND PLANTS</b>	<p>Any required cutting back of trees and overhanging boughs to be done by RIM. Soft pliable branches of eg. creepers can be temporarily tied back by Contractor. Weeds against lower walls to be removed prior to decoration of walls.</p>		
<b>GARDEN AREA, OTHER OUTSIDE STRUCTURES</b>	<b>No work required</b>		

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<b>PAINT SPECIFICATION</b>			
<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>1. ASBESTOS CEMENT ROOF SHEETS</b>	<u>Surface preparation: High-pressure water-jets may NOT be used.</u> <u>Low pressure water and brushing only.</u> Remove later applied patches and replace damaged sheets. To whole roof, apply sodium hypochlorite solution (household bleach thinned 1 part bleach to 4 parts water) to all areas containing algae and fungi. Leave for max 15 minutes. Scrub with sugar soap solution and scrubbing brush to remove all traces of bleach, dirt, algae residues and chalked material. Rinse thoroughly with low pressure clean fresh water and allow to dry. Protective gear to be worn.	To suitable prepared surfaces apply: <b>Sealant :</b> Two coats clear Neutron ARS acrylic sealant (or other approved, e.g. product used for sealing prison roofs). Allow 16 hours drying @ 23°C. <b>Final Coats :</b> Apply two coats of Pure Acrylic Low Sheen to achieve complete obliteration allowing 1 hour drying @ 23°C between coats. [Plascon : Colour TENT] <b>NOTE : Sample area in obscure position on outbuilding roof to be prepared and painted for consulting architects' approval before proceeding with whole roof.</b>	
<b>2. ASBESTOS CEMENT – GUTTERS &amp; DOWNPIPES; FASCIAS &amp; BARGEBOARDS; WATER TANKS</b>	<u>Surface preparation: High-pressure waterjets may NOT be used.</u> <u>Low pressure water and brushing only.</u> PLASCON PAINT SYSTEM FOR ASBESTOS CEMENT GUTTERS; DOWNPIPES and WATER TANKS or use a similar product with equal performance properties: Surface preparation: Apply sodium hypochlorite solution (household bleach thinned 1 part bleach to 2 parts water) to all areas containing algae and fungi. Leave for at least one hour. Scrub with sugar soap solution and scrubbing brush to remove all traces of bleach, dirt, algae residues and chalked material. Rinse thoroughly with fresh water and allow to dry. Remove all loose and peeling paint back to a firm edge and feather edges. Make good any cracks and defects with Mendall 90 and allow to dry.	To suitable prepared surfaces apply: Spot prime: Plaster Primer Two coats: Pure Acrylic Low Sheen <u>Application:</u> Primer: Spot prime bare and mended areas with plaster primer thinned 5 parts primer to 1 part mineral turpentine by volume. Allow 16 hours drying @ 23°C. Final coats: Apply two coats of Pure Acrylic Low Sheen to achieve complete obliteration allowing 1 hour drying @ 23°C between coats.	

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<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>3. PREVIOUSLY PAINTED WOOD – EAVES SOFFITS</b>	<b>PLASCON PREVIOUSLY PAINTED WOODEN SURFACES SYSTEM</b> <u>or similar product with equal performance properties:</u> Wash with sugar soap, rinse with fresh water. Remove loose and peeling paint by scraping or sanding for a firm edge and feather edges. Fill defects with Woodfiller. working off smoothly, allow to dry, sand to even smooth finish. Seal bare and resinous areas with Knot Seal and allow 1 hour to dry. Sand old enamel paint to an even matt finish to provide a key, remove dust.	To suitable prepared surfaces apply: Spot prime: Wood Primer Undercoat: Universal solvent/oil-based Two coats: Velvagro Gloss <u>Application:</u> <b>Primer:</b> Spot prime bare wood and repaired areas with wood primer. Allow 24 hours drying @ 23°C. <b>Undercoat :</b> one coat to whole sanded surface, allow to dry <b>Final coats :</b> Apply two coats of Velvagro Gloss to achieve complete obliteration allowing 16 hours drying @ 23°C between coats.	
<b>4. PREVIOUSLY PAINTED PLASTER – HOUSE and OUTBUILDING WALLS</b>	<b>PLASCON EMULSION PAINT SYSTEM</b> or similar product with equal <u>performance properties:</u> Remove loose paint and peeling paint and any unsound material back to a to a firm edge by scraping or sanding, feather edges. Scrub with sugar soap solution to remove dirt, powdery residues and other contaminants. Rinse thoroughly with fresh water, dry. Apply sodium hypochlorite solution to all areas containing algae and fungi. Leave for at least one hour. Make good plaster cracks with e.g. mendall 90 or refer to Flexible Joint Sealing Compound System. Smooth off whilst still wet and allow to dry and then sand to a smooth finish. All surfaces must be clean, sound and dry before painting.(NB: The texture of plaster should be imitated as close as possible.) All surfaces must be clean, sound and dry before painting.	To suitable prepared surfaces apply: Spot Prime: watered down acrylic paint: maxm 1 part water Two coats Pure Acrylic Low Sheen <u>Application:</u> <b>Primer:</b> Spot prime bare and repaired areas with acrylic paint thinned with clean water (1 part water maxm) Allow to dry overnight. <b>Final coats:</b> Apply 2 x coats of Pure Acrylic Low Sheen to achieve complete obliteration, work material well into fine haircracks. Allow 2 hours drying between coats @ 23°C.	

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<b>5. STOEP ENAMEL PAINT – ONLY PREVIOUSLY PAINTED STEPS and COPINGS TO SIDE WALLS AT FRONT DOOR</b>	<b>PLASCON STOEP ENAMEL PAINT SYSTEM or similar product with equal performance properties:</b> Verify compatibility between old and new. Measure moisture content with moisture meter, should be less than 5%. Wash with Aquasolve Degreaser (removing oil, grease & dirt), rinse with fresh water and dry by vacuuming to prevent excessive water absorption. Allow to dry. Make good substrate defects with Masonry Patching Plaster. Allow to dry. Abrade old paint surfaces with fine-medium emery cloth to provide key.	To suitable prepared surfaces apply: Primer coat as recommended by manufacturer. 2 x coats of Stoep enamel <b>Application:</b> <b>First coat:</b> Apply the first coat of Stoep Enamel thinned 5 parts Stoep Enamel to 1 part Mineral Turpentine by volume to aid penetration into bare and repaired areas. Allow to dry 16 hours @ 23°C. <b>Final coat:</b> Apply the second coat of Stoep Enamel to unthinned to achieve complete obliteration. Allow to dry for at Least 24 hours @ 23°C before subjecting to light traffic.	
<b>6. PREVIOUSLY PAINTED STEEL INSIDE &amp; OUTSIDE – STEEL ELECTRICAL CONDUIT AND OTHER PIPEWORK</b>	<b>PLASCON STEEL COMPONENTS PAINT SYSTEM or similar product with equal performance properties:</b> Strip all paint (coarse sanding/ scraping/ Stripclean Super Paint Stripper), wash with sugar soap, rinse, dry. Remove rust completely back to bright metal (using: power tools, scraping, sanding or Rust Remover) Where rust cannot be removed completely: remove all loose rust scraping/chipping: Rusist Rust Converter may be applied. Sand open ends of hollow steel sections for clean substrate. Seal off open ends with Waterborne epoxy Filler Putty and dry. Surfaces must be sanded and cleaned, and be sound and dry before painting.	To suitable prepared surfaces apply: Spot prime: Rusist Rust Converter, <b>then</b> One coat Zinc Phosphate Primer Undercoat : Final : Two coats of Velvago Gloss <b>Application:</b> <b>Primer:</b> Areas where tight rust remains: Apply Rusist Rust Converter copiously to penetrate hidden and recessed areas as thoroughly as possible. Allow at least 4 hours at 23°C for chemical reactions to complete. Product changes to blue-black colour. Then apply one overall coat of Zinc Phosphate Primer to a DFT to 50 ±5µm covering areas where Rusist has been applied also. Allow 16 hours drying at 23°C before overcoating. <b>Undercoat :</b> 1 coat Universal solvent/oil based primer overall, allow to dry <b>Final coats:</b> Apply 2 coats of Velvago Gloss to achieve complete obliteration, allowing 16 hours drying between coats. NB: Rinse paint surfaces which have dried overnight with fresh water and dry before applying successive coats.	



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<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>7. COPPER PIPES</b>  <b>WATER SUPPLY PIPES &amp; FITTINGS</b>	<u>PLASCON PAINT SYSTEM FOR COPPER or use a similar product with equal performance properties:</u> Strip all paint (coarse sanding/ scraping/ Stripclean Super Paint Stripper), wash with sugar soap, rinse, dry. Sand pipes and open ends of hollow steel sections for clean substrate with 220 grit sandpaper. Seal off open ends with Waterborne epoxy Filler Putty and dry. Surfaces must be clean, sound and dry before painting.	<b>PLASCON SYSTEM:</b> Copper prime: PL200 Twin pack Etch Primer One coat Plascosafe 18 Primer Two coats Velvagio Gloss <u>Application:</u> <b>Primer:</b> Apply PL200 Twin pack Etch Primer . Allow 4 hours drying @ 23°C. Then apply an overall coat of Plascosafe 18 Primer. Allow at least 24 hours drying @ 23°C. <b>Final coats:</b> Apply two coats of Velvagio Gloss to achieve complete obliteration, allowing overnight drying between coats.	
<b>8. PREVIOUSLY VARNISHED WOOD INSIDE &amp; OUTSIDE – WINDOW FRAMES</b>	<u>PLASCON PREVIOUSLY VARNISHED WOODEN SURFACES SYSTEM or similar product with equal performance properties:</u> Remove old varnish stain back to bare wood. Clean all surfaces with Lacquer thinner and clean cloths to remove oily and other contaminants. Make good defects with Wood filler in a matching shade. Allow to dry and sand smooth. Sand surfaces to an even matt finish to remove scratch marks as far as possible and to create a key between old and new coats. Wipe down with a damp cloth to remove dust. Seal any bare knots and resinous areas with and allow 1 hour to dry.	To suitable prepared surfaces apply: Touch-up: Ultra Varnish Two coats of Ultra Varnish <u>Application:</u> <b>Touch-up :</b> Apply a touch-up coat of Ultra Varnish thinned 3 parts Varnish to 1 part Mineral Turpentine by volume to aid penetration into carte wood and repaired areas. Allow to dry at least 6 hours at 23°C. Then sand lightly with fine paper to denib and remove dust. <b>Final coats:</b> Apply two full coats of Ultra Varnish unthinned allowing 6 hours drying at 23°C between coats and denibbing between coats as before. Allow final coat to dry a minimum of 24 hours at 23°C before commissioning to light use.	

<b>ROBBEN ISLAND MUSEUM - RIM VILLAGE REGENERATION</b>		BUILDING	<b>HOUSE</b>
		NUMBER	<b>No 1</b>
<b>REPAIRS &amp; RENOVATIONS PROJECT FOR DEPARTMENT OF PUBLIC WORKS</b>		<b>GENERAL SPECIFICATION</b>	
<b>GROENEWALD PRELLER ARCHITECTS CC</b> TEL 021 448 1633 FAX 086 664 7028 E-MAIL : <a href="mailto:sue.gparch@new.co.za">sue.gparch@new.co.za</a> Acting as OVERSEEING ARCHITECTS		DOCUMENT REF	<b>GS1</b>
		DATE	<b>2011-01-24</b>
<b>INTENT</b>	<b>REPAIR AND DECORATE EXTERIOR DOING AS MUCH AS IS NECESSARY AND AS LITTLE AS POSSIBLE</b>	REVISION	
<b>SPECIAL NOTES</b>	<i>COLOURS TO BE AS EXISTING. PREVIOUSLY UNPANITED ASBESTOS CEMENT ROOFS: FINISH COATS TO BE PLASCON : COLOUR 'TENT'</i> <b>ALL REQUIREMENTS IN RESPECT OF WASTE, TIDINESS, CLEARING ON COMPLETION, ASBESTOS WASTE HANDLING AND RIM &amp; OHS REQUIREMENTS APPLY</b>		
<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>9. PREVIOUSLY PAINTED WOOD INSIDE &amp; OUTSIDE – DOORS, DOOR FRAMES, TIMBER WINDOWS WHERE PAINTED</b>	<u>PLASCON PREVIOUSLY PAINTED WOODEN SURFACES SYSTEM</u> <u>or similar product with equal performance properties:</u> Wash with sugar soap, rinse with fresh water. Remove loose and peeling paint by scraping or sanding for a firm edge and feather edges. Fill defects with Woodfiller. working off smoothly, allow to dry, sand to even smooth finish, Seal bare and resinous areas with Knot Seal and allow 1 hour to dry, sand old enamel paint to an even matt finish to provide a key, remove dust.	To suitable prepared surfaces apply: Spot prime: Wood Primer Undercoat : Universal solven/oil-based undercoat Final : Two coats: Velvago Gloss <u>Application:</u> <b>Primer:</b> Spot prime bare wood and repaired areas with wood primer. Allow 24 hours drying @ 23°C. <b>Undercoat :</b> 1 coat Universal solvent/oil-based undercopaty, allow to dry <b>Final coats:</b> Apply two coats of Velvago Gloss to achieve complete obliteration allowing 16 hours drying @ 23°C between coats.	
<b>10. SEAL AROUND DOOR/WINDOW FRAMES</b>	<b>ONLY WHERE REQUIRED:</b> Remove all existing failed or delaminated sealant where necessary. Prime joints with primer. Ensure joint is clean and dust free before proceeding.	<b>ONLY WHERE REQUIRED</b> Seal junction with single pack polyurethane sealant	
<b>11. SPALLING CONCRETE REPAIRS – SOFFITS TO PORCH ROOF SLAB</b>	<u>SIKA CONCRETE REPAIR SYSTEM (or use equivalent approved product)</u> Identify and inspect cracks in order to investigate the cause of cracking. Any cracks containing corroding reinforcing steel must be cut open and treated as a repair item. All concrete areas to be broken out are to have rebated perimeter of at least 10mm deep and ±50mm either side of defected steel. Break out all defective concrete by approved mechanical means. Thoroughly clean down all exposed steel by abrasive blast cleaning to remove all rust and to expose clean bright steel.	Immediately after cleaning down the reinforcing steel, apply a coat of approximately 1mm thick of SIKA TOP ARMATEC 110 EPOCEN anti-corrosive coating to the reinforcing steel. Allow to dry for approximately 2-3 hours (at 20°C) before applying a second coat of similar thickness to the reinforcing steel and surrounding concrete. Allow to dry for a similar period before applying patching mortar to the repair. Apply onto the bonding slurry SIKA REP LW patching mortar of earth consistency. SIKA REP LW mortar is to be well compacted in layers not exceeding 50mm and is to be trowelled off to the profile of the surrounding concrete. All SIKA REP LW mortar repairs are to be suitably cured and protected by approved means. For cracks that are difficult to access: use the system and a pourable non-shrink grout, SIKA GROUT 212 (prepare and use according to manufacturer's instructions). Prepare and paint as walls (Paint System 4)	

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<b>SPECIAL NOTES</b>	<i>COLOURS TO BE AS EXISTING. PREVIOUSLY UNPANITED ASBESTOS CEMENT ROOFS: FINISH COATS TO BE PLASCON : COLOUR 'TENT'</i> <b>ALL REQUIREMENTS IN RESPECT OF WASTE, TIDINESS, CLEARING ON COMPLETION, ASBESTOS WASTE HANDLING AND RIM &amp; OHS REQUIREMENTS APPLY</b>		
<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>12 : PLASTER REPAIRS – FLEXIBLE JOINTS</b>	<u>SIKAFLEX-pro2hp or similar product with equal performance properties</u> All surfaces should be clean, dry and free from all loosely adhering particles.	Refer to manufacturer's instructions: <b>Priming:</b> On porous surfaces such as concrete, render, brickwork and timber use Sika-Primer 1 <b>Application:</b> Sikaflex-pro2hp is installed direct from the cartridge with the normal skeleton gun or in the case of vacuum bag packaging or tins use the larger barrel gun. Cleaning: Clean tools and equipment immediately after use with Colma- Cleaner Paint as walls : Paint System 4	
<b>13 : MORTAR MIX FOR EXTERNAL CRACKED JOINTS</b>	<u>SIKA MORTAR MIX FOR EXTERNAL CRACKED JOINTS SYSTEM (or use equivalent approved product)</u> Clean walls without loosening or disturbing any of the structure. All loose materials and dirt must be removed.	Repair cracks in mortar joints with 1 part cement OPC, 4 parts sand and 1 part SIKA CEMFLEX to 4 parts water. Paint as walls : Paint System 4	
<b>14. PLASTER EXPANSION JOINTS – NEW</b>	<u>For existing expansion joints –</u> Remove all existing failed or delaminated sealant from existing joint. Insert suitably sized backing cord. Prime all joints with primer as manufacturer's instructions. Reinstate joints with polyurethane sealant to the approved shade. <u>New where cracking indicates expansion joints are required and GPA confirms location –</u> Form V-grooved joint in plaster back to masonry surface. Prime all joints with primer as manufacturer's instructions. Reinstate joints with polyurethane sealant to the approved shade.	Paint as walls : Paint System 4	

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<b>PAINT SYSTEM No</b>	<b>SURFACE PREPARATION</b>	<b>PAINT APPLICATION SYSTEM</b>	
<b>15. BITUTHENE 3000 WATERPROOFING SYSTEM FOR CONCRETE FLAT ROOFS</b>	<b>BITUTHENE 3000: OF EQUALLY APPROVED PRODUCT:</b> All surfaces must be clean and dry, free from protrusions and nails, and any hollows filled with high strength mortar. Prime all surfaces with Primer B1 at a rate of 10m <sup>2</sup> per litre. Allow to dry completely before Bituthene 3000 is applied.	Lay Bituthene 3000 by peeling back the protective silicone release paper and apply the self-adhesive face onto the prepared surface. Adjacent rolls are aligned and overlapped 50mm minimum at side and ends, and the overlaps well rolled with a firm pressure using a Bituthene Lap Roller to ensure complete adhesion and continuity between layers. Following the application and inspection care should be taken to prevent damage following trades. As soon as practicable after the application, Bituthene 3000 should be protected from exposure to the weather and physical damage using Servipak protection boards, insulation or Hydroduct drainage composites laid to dry. Damaged areas to be repaired by patching with an oversized patch applied to a clean, dry surface extending 100mm beyond damage, and firmly rolled. The membrane should be protected against damage using Servipak 3 or Hydroduct draining sheets. Bituthene Liquid Membrane is to be applied at all internal and external corners, penetrations etc, prior to applying the overall membrane. Bituthene should be brushed onto the surface to ensure good initial bond and exclude air. Exposed vertical flashings should be protected against damage from UV degradation using Solarshield. Both Bituthene 3000 and Solarshield to be terminated into a tuck & chase and sealed with Bituthene Mastic or LM to prevent infiltration of moisture behind the membrane. The junction between the slab and parapet shall have Bituthene Fillet placed firmly into position before using 300mm wide reinforcing corner strips of Bituthene 3000 placed centrally over the axis of the change of direction. During installation of insulation and before the UV protection is applied, plain insulation boards must be protected from excessive solar gain from reflective flashings such as Solarshield or similar parapets and upstands.	