TAUBMANS®

PAINT SPECIFICATION

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PROPOSED SPECIFICATION

DATE:	24/07/2020
PROJECT:	Borg Panel
PROJECT NUMBER:	MW240720-V2
PREPARED FOR:	Borg Panels Generic Specification
PREPARED BY:	Martin Watt
CONTACT NUMBER:	0414 181 201
EMAIL:	MWatt@ppg.com

PPG Architectural Coatings
ABN 82 055 500 939 004
9 Birmingham Ave, Villawood NSW 2163

Project Notes

All materials, components and application methods shall comply with the relevant documents and standard to which concern the work carried out in this specification.
AS/NZS 2311:2000 Guide to the Painting of Buildings.
AS/NZS 2312.1:2014 Guide to protection of Steel.
PPG Data/Specification sheets.
These should be read and understood for surface preparation prior to commencing the application of coatings.

This specification is provided with the understanding that all possible substrate situations and coating systems are true and correct. However, once work commences possible new situations may be encountered for which an addition or change to the specification becomes warranted. This document remains active. Any changes must generate an amendment to the scope of works by a PPG representative.

It is the paint contractor's responsibility to ensure the surfaces are ready for painting. Any unacceptable substrate must be referred to the head contractor for rectification prior to acceptance of starting to paint.

Render and Texture Coatings:
When Painting Cement Render, acrylic texture and concrete, PPG specifies the use of Armawall Texture Coatings Systems. New concrete and cement based render requires 28 to cure prior to coatings application. New concrete and unpainted cement based renders require a first coat of an Armawall Primer followed by two coats of an Armawall topcoat. On concrete, masonry, cement render and acrylic textures with an existing topcoat, 1 coat of an Armawall topcoat may be applied as a decorative topcoat when matching existing colours. It is recommended that the contractor provide site specific samples to confirm acceptance prior to commencement.

Moisture:
Moisture levels must be below <15% WME. It is recommended that all areas to be painted are tested first using a moisture meter prior to the application of Primers/ Topcoats.

Performance Guarantee:
A Performance Guarantee can be issued for product performance. Substrates that cause the coating system to fail will be excluded from the warranty. Substrates should be agreed between the head contractor and the painting contractor prior to the commencement of painting. This agreed substrate condition may affect warranties and product performance of the selected systems. This specification is to be followed in relation to surface preparation including standard professional expectations, plus the number and sequence of coats along with film builds requested to ensure an accountable coating system.

Interior: Borg Panel

Building Element: Option 1				
Substrate:	**Code:**	**Coat:**	**Coat Description:**	**Colour:**
Borg Panel	P	1st 2nd 3rd	Taubmans Prep Right Oil Based Undercoat Taubmans Interior Top Coat (Any) Taubmans Interior Top Coat (Any)	Refer To Colour Schedule

Interior: Borg Panel

Building Element: Option 2				
Substrate:	**Code:**	**Coat:**	**Coat Description:**	**Colour:**
Borg Panel	P	1st 2nd 3rd	Taubmans 3 in 1 PSU Taubmans Interior Top Coat (Any) Taubmans Interior Top Coat (Any)	Refer To Colour Schedule

Interior: Borg Panel

Building Element: Option 3				
Substrate:	**Code:**	**Coat:**	**Coat Description:**	**Colour:**
Borg Panel	P	1st 2nd 3rd	Taubmans Tradex QD Oil Undercoat Taubmans Interior Top Coat (Any) Taubmans Interior Top Coat (Any)	Refer To Colour Schedule

SUMMARY

Project: **Borg Panel**

1.1 GENERAL

1.1.1 SPECIFICATION STRUCTURE

FOREWORD: The 'FOREWORD' describes the various components of the Specification (i.e. the 'PRELIMINARIES' Section, the 'GENERAL REQUIREMENTS' Section, the Work Sections and the Schedules), the relationship between them, and the applicable precedence.

1.1.2 STANDARDS

PAINTING: AS/NZS 2311 has been written in advisory terms. For the purposes of this Contract, the Standard shall be taken as mandatory. Comply with the recommendations of those parts of AS/NZS 2311 and AS/NZS 2312 which are referenced in this Section.

1.1.3 DEFINITIONS

STANDARD: To AS/NZS 2310.

'PAINT SYSTEM': For the purposes of this Section, and unless the context requires otherwise, a "paint system" is defined as a series of compatible paint coats or clear finish coats applied to a substrate to make up the overall protective / decorative system required for that substrate.

- Title: A "Paint System" is named by its final coat title (e.g. by the manufacturer's brand name, or the generic name).

1.1.4 INTERPRETATION

'PRIMING': For the purposes of this Section, and unless the context requires otherwise, the terms "prime", "priming" or the like, also mean:

- the first coat of a clear finish system;
- the application of sealers, pigmented sealers, and the like

where applicable.

1.1.5 AUSTRALIAN PAINT APPROVALS SCHEME (APAS) SPECIFICATIONS

APAS SPECIFICATIONS: For paint types identified by an APAS specification code in the Specification, comply with the APAS specification represented by that code.

1.2 QUALITY

1.2.1 APPROVED SUBCONTRACTORS

SUPPLY: Obtain the proprietary paint systems specified in this Section from approved suppliers. Have each system applied by the manufacturer, or by an approved specialist firm approved by the manufacturer where the manufacturer's approval of the applicator is required.

1.2.2 INSPECTION BY PAINT MANUFACTURER

REQUIREMENT: Ascertain whether the paint manufacturer(s) wishes to be present for the surface preparation and/or application of any paint coats. Where the paint manufacturer(s) wishes to be present, give the appropriate notice. Whether the paint manufacturer attends the preparation / application is at the sole discretion of the paint manufacturer(s).

1.2.3 INSPECTION

NOTICE: Give the notice specified in the 'INSPECTION' Clause in the 'GENERAL REQUIREMENTS' Section, so that inspection may be made of the following:

- Painting Stages (Decorative and Protective Systems):
- completion of surface preparation;
- after application of prime or seal coats;
- after application of undercoat;
- after application of each subsequent coat.

1.2.4 SAMPLES

REQUIREMENT: Submit the following samples, in accordance with the 'SAMPLES' Clause in the 'GENERAL REQUIREMENTS' Section:

A. Paint Samples

REQUIREMENT: Submit, on representative substrates, 1 m2 samples of each paint system showing surface preparation, colour, gloss level, texture, and physical properties.

1.2.5 QUALITY VERIFICATION INSTALLATIONS

REQUIREMENT: Provide the first example of each specified paint / clear finish system on each type of substrate as a quality verification installation, in accordance with the 'QUALITY VERIFICATION INSTALLATIONS' Clause in the 'GENERAL REQUIREMENTS' Section:
LOCATIONS: In locations in the Works where directed by the Superintendent.

1.3 SUBMISSIONS

1.3.1 DATA SUBMISSIONS

REQUIREMENT: For each type of proprietary paint system and component, submit the following:
Manufacturer's Data: Manufacturer's published product data including:

- technical specifications (datasheets);
- the paint manufacturer's published material safety data sheets (MSDS) showing the health and safety precautions to be taken during application;
- recommendations for application and service use and the like;
- details of the manufacturer's warranty where applicable;
- where the manufacturer requires the material to be applied by an approved applicator, that manufacturer's approval of the applicator proposed.

Testing Authority Reports: Showing compliance with the performance criteria specified, where applicable.
Manual: Include a copy of all data submitted in the Operation and Maintenance Manual.

1.3.2 WARRANTIES

REQUIREMENT: Submit manufacturers' standard warranties and specific warranties, in accordance with the 'WARRANTIES' Clause in the 'GENERAL REQUIREMENTS' Section, for each system and component specified in the 'PAINTING' Section.

1.3.3 PAINT BRANDS

PROPRIETARY MATERIALS: Where a paint brand has not been specified, or where an alternative to a specified brand is proposed, submit for approval, at least 3 weeks before the paint is required to be ordered, the proposed paint brand and paint line.

- Further Approval: Once approval has been obtained, do not change the approved brand or the paint line without further approval.

1.3.4 MATERIAL SAFETY DATA SHEETS

REQUIREMENT: Submit the paint manufacturers' published material safety data sheets (MSDS) showing the health and safety precautions to be taken during application.

1.4 PERFORMANCE REQUIREMENTS

1.4.1 CONTRACTOR'S RESPONSIBILITY

REQUIREMENT: Complete the supply and application of the paint systems to satisfy the conditions specified in this Subsection and the 'DESIGN' Subsection of the 'GENERAL REQUIREMENTS' Section.

1.4.2 PERFORMANCE GENERALLY

REQUIREMENT: In addition to the requirements of the 'CONTRACTOR'S RESPONSIBILITY' Clause, the applied systems shall be entirely sufficient for their purpose, having due regard for all service conditions that may be reasonably anticipated.

1.5 PAINT SYSTEMS

1.5.1 PAINT SYSTEMS

REFERENCE: The paint systems are specified in the 'PAINTING SCHEDULE'.

1.5.2 COLOUR SELECTION

REFERENCE: The paint colour selections for the Contract are scheduled in the 'PAINTING SCHEDULE'.
VARIOUS COLOURS: Individual elements may be required to be painted with more than one colour. Various wall, ceiling and facade planes may be required to be painted in feature colours.

1.6 PROTECTIVE COATINGS

1.7 INSTALLATION / APPLICATION

1.7.1 CONTRACTOR'S OBLIGATIONS

APPLICATION: Apply the specified paint systems in accordance with the manufacturers' recommendations, as described in the 'MANUFACTURERS' RECOMMENDATIONS' Clause in the 'GENERAL REQUIREMENTS' Section.
APPLICABILITY: In the absence of manufacturers' recommendations for a particular item or system, ensure that installation / application activities conform, as a minimum, to those specified in this Subsection.
CONTRADICTION: If, in the opinion of the Contractor, any of the manufacturers' recommendations is contradicted by the requirements of this Subsection (including referenced Australian Standards), notify the Superintendent and await instruction.
CERTIFICATION: As specified in the 'CERTIFICATES' Clause in the 'SUBMISSIONS' Subsection.

1.7.2 STANDARDS

PAINTING GENERALLY: To AS/NZS 2311.
PROTECTION OF STEELWORK: To AS/NZS 2312.

1.7.3 ORDER OF WORK

OTHER TRADES: Before painting, complete the work of other Trades as far as practicable within the area to be painted, except for the installation of fittings, floor sanding, laying flooring materials, and the like, as applicable.

1.7.4 FITTINGS & FIXTURES

REQUIREMENT: Remove door furniture, switch plates, light fittings and other fixtures before starting to paint, and refix in position undamaged, on completion of the application.

1.7.5 'WET PAINT' WARNING

NOTICES: Provide "wet paint" notices, placed conspicuously, and do not remove them until paint is dry.

1.7.6 RESTORATION

REQUIREMENT: Clean off marks, paint spots and stains progressively, and restore damaged surfaces to their original condition. Touch up damaged decorative paintwork or misses only with the paint batch used in the original application.

1.7.7 SUBSTRATE PREPARATION GENERALLY

GENERAL Prepare substrates to receive each specified paint system in accordance with the paint manufacturer's recommendations.
MOISTURE CONTENT OF SUBSTRATE: Using a moisture meter, verify that the moisture content of each substrate is at or below the recommended maximum level for the type of paint and the substrate material.
ADJACENT AREAS: Protect adjacent finished surfaces liable to damage from painting operations.
CLEANING: Clean down the substrate surface. Do not cause undue damage to the substrate or damage to, or contamination of, the surroundings.
PRE-PRIMED SUBSTRATES: Where substrates are pre-primed (i.e. primed by a previous subcontractor), identify the specification for the surface treatment / primer used and confirm with the Superintendent the compatibility / suitability of further finishing coats, prior to application.

1.7.8 SUBSTRATE PREPARATION - NEW WORK

A. Preparation of Substrates

REQUIREMENT: Ensure the surface is clean, dry and free from dirt, dust, grease, oil and any other surface contamination.

B. Timber Surfaces Generally: (PPG Ref: 001/002)

REQUIREMENT: Sand the surface evenly with a suitable fine grade sandpaper. Dust off before painting. Fill all nail holes and cracks with a suitable filler after the first coat has dried.

C. Seasoned Timber: (PPG Ref: 108)

REQUIREMENT: Ensure that new timber is well seasoned. Punch in nail heads which should preferably be galvanised. Fill all nail holes with putty tinted to match the timber. Sand weathered timber to a sound surface.

D. LOSP Preprimed Timber (Design Pine & Unbranded): (PPG Ref: 111/112)

REQUIREMENT: Confirm that the timber is Design Pine Brand. Where the timber is not Design Pine, remove unbranded factory primer back to bare timber by sanding. Prime all bare timber including cut ends and joints with a suitable oil based wood primer. Do not use timber having knots or exudation from knots showing.

E. LOSP Treated Pine (unprimed): (PPG Ref: 113)

REQUIREMENT: Fill nail holes and cracks with a suitable putty or filler after the first coat has dried. Do not use timber having knots or exudation from knots showing.

F. Brickwork: (PPG Ref: 201)

REQUIREMENT: Where efflorescence is present, remove by dry brushing or washing with water. Do not paint until time check confirms efflorescence has ceased.

G. Flush Jointed Brickwork: (PPG Ref: 222)

REQUIREMENT: Patching holes or defects with Armawall Smooth Patch (up to 3mm in depth) or Armawall Coarse Patch (up to 6mm), depending on depth of the hole or defect prior to the coating system application" . Both patching compounds require the addition of cement prior to application. Refer individual product data sheets for additional information.

Blockwork: (PPG Ref: 208)

REQUIREMENT: Fill all joints, cracks and holes with a suitable filler.

H. Off Form Concrete / Precast Concrete Additionally: (PPG Ref: 204)

REQUIREMENT: Allow concrete to cure for a minimum of 28 days. Ensure the alkalinity of the concrete is PH10 or below before commencing painting. Remove all traces of form oils and other contaminants by water blasting. Acid etch smooth hard and glossy areas (steel trowelled etc) or areas of laitance with dilute muriatic acid to roughen the surface. Grind all joints smooth and fill all holes and cracks with Armawall Smooth Patch (up to 3mm in depth) or Armawall Coarse Patch (up to 6mm), depending on depth of the hole or defect prior to the coating system application. Both patching compounds require the addition of cement prior to application. Refer individual product data sheets for additional information.

I. Tilt Up Concrete Additionally: (PPG Ref: 206)

REQUIREMENT: Allow concrete to cure for a minimum of 28 days. Ensure the alkalinity of the concrete is PH10 or below before commencing painting. Remove all traces of bond breakers. Grind smooth any nibs or protrusions and fill all blowholes and defects with Armawall Smooth Patch (up to 3mm in depth) or Armawall Coarse Patch (up to 6mm), depending on depth of the hole or defect prior to the coating system application" . Both patching compounds require the addition of cement prior to application. Refer individual product data sheets for additional information.

NOTE: When an acrylic coating system is to be applied, "Armawall Sealer Bonder" must be applied to seal the substrate prior to finishing coats

J. Cement Render: (PPG Ref: 209)

REQUIREMENT: Broom down render to remove loose sand and give a sound surface for painting.

K. Paper-faced Plasterboard: (PPG Ref: 301/302)

REQUIREMENT: Fill any imperfections with a suitable compound. Sand the surface evenly with a suitable fine grade sandpaper. Dust off before painting. If applying by airless spray back roll all coats.

L. Set Plaster (Fresh): (PPG Ref: 311)

REQUIREMENT: Treat fresh set plaster (1-8 weeks old, PH = 10-12) with "Prep Right Plaster Treatment" before painting to control alkalinity and promote adhesion.

M. Set Plaster (Aged): (PPG Ref: 312)

REQUIREMENT: Seal aged set plaster (> 8 weeks old, PH

N. Preprimed Mild Steel: (PPG Ref: 402/403)

REQUIREMENT: Where present, remove rust by chipping, scraping, wire brushing or sanding. Sand the surface evenly with a suitable fine grade sandpaper. Dust off before painting. Spot prime bare areas with "Sigmarine 28" before a full coat.

O. Hot Dipped Galvanised Steel / Galvanised Steel: (PPG Ref: 404)

REQUIREMENT: Where present, remove rust by chipping, scraping, wire brushing or sanding. Degrease surface by washing with mineral turps on a clean cloth and drying with a second clean cloth. Change cloths frequently to prevent the spreading of oil and grease. Abrade with 240# paper to remove chemical treatments and allow full adhesion of primer.

P. Stainless Steel / Aluminium / Copper / Brass:

REQUIREMENT: Degrease surface by washing with mineral turps on a clean cloth and drying with a second clean cloth. Change cloths frequently to prevent the spreading of oil and grease.

Q. Zincalume: (PPG Ref: 406)

REQUIREMENT: Remove oils and grease by washing with a detergent solution. Rinse with fresh water. Allow to dry. Do not use solvents such as methylated spirits on Zincalume.

R. Organic Epoxy Zinc Primed Steel: (PPG Ref: 409)

REQUIREMENT: Wash off any soluble salts. Grind back any damaged areas to clean metal Surfaces contaminated with oils, salts, acids or other chemicals should be cleaned by a degreasing or washing procedure (as per AS 1627.1) prior to abrasive cleaning. Refer to manufacturers data sheets for detailed instructions. Accurate mixing of the components is essential to curing and longevity of the coating system.

· Corroded areas: Spot Abrasive Blast to AS 1627.4, Sa 2 (min) achieving minimum 40-70µm surface profile. Apply 1 coat of Sigmazinc 109 HS at recommended thickness.

1.7.9 SUBSTRATE PREPARATION - REPAINTING

A. Previously Painted Substrates

DEFINITION: Previously painted substrates include acrylic & solvent based finishes / mild steel / galvanised steel / Colorbond coated steel - weathered / varnished timber / textured masonry (acrylic based) / lime washed masonry.

B. General: (PPG Ref: 902)

REQUIREMENT:

· Dirt, grease etc. by washing with a detergent solution followed by clean water. Allow to dry.

· Mould by treating with bleach diluted 3:1 with water then rinse with clean water. Allow to dry.

· Chalk and powdery surface deposits with a stiff bristle brush and water. Allow to dry.

· All loose flaking and peeling paint back to a firm surface. Feather all edges by sanding. Acrylic can be feathered by rubbing the edges with methylated spirits.

SPECIFIC SUBSTRATES: Prepare specific substrates to the following requirements:

C. Acrylic Based Substrate: (PPG Ref: 601/603/605/606)

REQUIREMENT:

· Spot prime bare areas with a suitable primer.

D. Solvent Based Substrate: (PPG Ref: 610)

REQUIREMENT:

· Sand the surface evenly with a suitable fine grade sandpaper. Dust off before painting.

· Spot prime bare areas with a suitable primer.

E. Mild Steel Substrate: (PPG Ref: 703)

REQUIREMENT:

· Remove areas of rust by scraping, sanding and wire brushing back to clean bare metal.

· Spot prime with "Amerlock 400" attaining a minimum dry film thickness of 125 microns.

· Spot prime wet on wet with a second coat of "Amerlock 400" to ensure adequate protection.

F. Colorbond Coated Steel (weathered) Substrate: (PPG Ref: 902)

REQUIREMENT:

· Remove areas of rust by scraping, sanding and wire brushing back to clean bare metal.

· Spot prime with "Amerlock 400" attaining a minimum dry film thickness of 125 microns.

· Spot prime wet on wet with a second coat of "Amerlock 400" to ensure adequate protection.

G. Varnished Timber Substrate: (PPG Ref: 803)

REQUIREMENT:

· Sand the surface thoroughly and repeatedly with suitable grade sandpapers to provide adequate 'key' and adhesion for the paint system. Dust off before painting.

H. Stained Timber - Solvent Based Substrate: (PPG Ref: 907)

REQUIREMENT:

- Sand the surface thoroughly with a suitable sandpaper. Dust off before painting.

I. Textured Finished Masonry, Acrylic Based – Exterior: (PPG Ref: 903)

WATER BLASTING: Remove dirt, grime, chalk and powdery surface deposits by high pressure water blast.

RUST SPOTS & SPALLING: Remove visible rust spots and concrete spalling. Remove defective concrete using electric, pneumatic or hand tools.

EDGES: Ensure the edge of each excavation is perpendicular and that edges are not feathered.

REINFORCING BARS: Expose steel reinforcing bars to a point 50mm beyond the limit of corroded steel and prime with a suitable zinc primer.

MORTAR: Use a suitable proprietary brand repair mortar to fill affected areas.

CRACKS: Grind out cracks bigger than 0.4 mm to a minimum of 6mm deep by 6mm wide and fill flush with "Armawall Smooth Patch (up to 3mm in depth) or Armawall Coarse Patch (up to 6mm) Rinse off any salts that may have accumulated since water blasting.

SPOT PRIME: Spot prime bare and repaired areas with "Armawall Primer".

REINSTATEMENT: Reinstate texture to match the existing, if required.

J. Lime washed Masonry Substrate: (PPG Ref: 905)

EXISTING LIMEWASH: Remove all existing lime wash by high pressure water blast. Where necessary, scrub the surface with a wetting agent (i.e. sugar soap) before blasting. Repeat this procedure until the lime wash is removed.

DEFECTIVE RENDER: Remove any drummy or broken render.

REINSTATEMENT: "Reinstate with an acrylic polymer modified render such as "Armawall Render Coat" or "Armawall Render Coat Plus". Grind out cracks bigger than 0.4 mm to a minimum of 10 mm deep by 10 mm wide and fill flush with "Armawall Smooth Patch (up to 3mm) or Armawall Coarse Patch (up to 6mm). Both patching compounds require the addition of cement prior to application. Fill all other cracks with "Acrylic Filler". Prime with "Armawall Sealer Bonder Clear" thinned 30 - 50% with a Xylene based thinner (Diggers Xylene Thinner). Refer individual product data sheets for additional information.

SUBSTRATE PREPARATION - NEW PAINTING

K. Preparation of Substrates

REQUIREMENT: Ensure the surface is clean, dry and free from dirt, dust, grease, oil and any other surface contamination.

L. Timber Surfaces Generally: (PPG Ref: 001/002)

REQUIREMENT: Sand the surface evenly with a suitable fine grade sandpaper. Dust off before painting. Fill all nail holes and cracks with a suitable filler after the first coat has dried.

M. Seasoned Timber: (PPG Ref: 108)

REQUIREMENT: Ensure that new timber is well seasoned. Punch in nail heads which should preferably be galvanised. Fill all nail holes with putty tinted to match the timber. Sand weathered timber to a sound surface.

1.7.10 PAINT APPLICATION

REQUIREMENT: Mix and apply paint and related materials in accordance with the manufacturers' recommendations. Apply the first coat immediately after substrate preparation and before contamination of the substrate can occur. Ensure each coat of paint is uniform in colour, gloss, thickness and texture, and free of runs, sags, blisters, or other discontinuities.

1.7.11 ADDITIONAL COATS

REQUIREMENT: Provide additional coats to the number specified in a paint system if necessary to:

- prepare porous or reactive substrates with prime or seal coats consistent with the manufacturer's recommendations;
- achieve the total film thickness specified or recommended by the manufacturer;
- achieve the texture specified or inherent in the system; or
- achieve an opacity satisfactory to the Superintendent.

1.7.12 LIGHT LEVELS

WORKING LEVELS: During preparation of surfaces, painting and inspection, maintain light levels such that the luminance (photometric brightness) of the surface is equal to the specified permanent artificial illumination conditions or 400 lux, whichever is the greater.

1.7.13 TINTING

DIFFERENT TINT: Tint each coat of an opaque coating system so that each has a noticeably different tint from the preceding coat, except for multiple coats of a finishing paint.

1.7.14 SPRAYING

EQUIPMENT: If the paint application is by spraying, use conventional or airless equipment which:

- satisfactorily atomises the paint being applied;
- does not require the paint to be thinned beyond the maximum amount recommended by the manufacturer; and
- does not introduce oil, water or other contaminants into the applied paint.

1.7.15 CLEAN-UP & WASTE DISPOSAL

REQUIREMENT: Wash brushes, rollers and other painting equipment, in accordance with Local Authority regulations and Workplace, Health & Safety requirements. Utilise an approved, proprietary system to convert wet paint into solid waste for disposal. Ensure waste is contained and not allowed to enter the stormwater system or water table. At completion of work in each area, remove paint, waste and painting equipment. Refer also to the 'CLEANING' Clause in the 'COMPLETION' Subsection.

1.8 COMPLETION

1.8.1 CLEANING

GENERALLY: Undertake cleaning of the work in accordance with the manufacturers' recommendations, and as follows:

- Progressive Cleaning: Progressively clean the work by removing waste, excess materials, and the like.
- Final Cleaning: When the painting is complete, and just prior to Practical Completion, clean off marks, paint spots and stains and restore damaged surfaces to their original condition. Touch up damaged decorative paintwork or misses with the paint batch used in the original application.

1.8.2 PROTECTION:

REQUIREMENT: Maintain and protect the completed paintwork with protection layers recommended by the paint manufacturer for the particular application. Ensure that the protection layers do not permit mould growth and that they are securely fixed at perimeter and at laps. Remove all trace of the protection layers immediately prior to final cleaning, and make good any damaged areas.

1.8.3 AS-BUILT SCHEDULE

REQUIREMENT: Submit a copy of the 'PAINTING SCHEDULE', amended as necessary, showing all information concerning the as-built painting of the project.

FORMAT:

- Hard Copy: Where the original 'Painting Schedule' was provided in hard copy, the as-built schedule may be submitted in hard copy format or in electronic format.
- Electronic Data: Where the original Painting Schedule was provided in electronic format, amend the Schedule as necessary, "tracking" changes, and return in that format.

ALTERNATIVE ARRANGEMENT: In the absence of an original 'Painting Schedule' or as an alternative to re-submitting the original Schedule, submit an as-built schedule, in electronic format, showing:

- each item that was painted
- the location of the item
- the brand of the paint system used to paint the item
- the name and number of each paint coat in the paint system, and
- the colour of the final coat(s)

1.8.4 OPERATION & MAINTENANCE MANUAL

REQUIREMENT: Include, in accordance with the 'OPERATION & MAINTENANCE MANUAL' Clause in the 'GENERAL REQUIREMENTS' Section, the paint manufacturers' published instructions for care and maintenance, together with the following information:

- Data submissions in accordance with the 'DATA SUBMISSIONS' Clause in the 'SUBMISSIONS' Subsection;

- Manufacturers' and Specific warranties, as specified in the 'WARRANTIES' Clause in the 'SUBMISSIONS' Subsection; and
- Delivery information in accordance with the 'IDENTIFICATION' Clause in the 'GENERAL REQUIREMENTS' Section.