



SECTION 09900

PAINTS AND COATINGS

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Surface preparation and field painting of exposed exterior items and surfaces.
- B. Surface preparation and field painting of exposed interior items and surfaces.
- C. Surface preparation and field painting/sealing of Specialty Surfaces that do not have factory-applied final finish.

1.2 RELATED SECTIONS

- A. Section 05120 - Structural Steel: Shop priming.
- B. Section 05500 - Metal Fabrications: Shop priming.
- C. Section 06200 - Finish Carpentry: Back priming of trim.
- D. Section 07100 - Waterproofing and Dampproofing.
- E. Section 09960 - High-Performance Coatings.

1.3 REFERENCES

- A. ANSI A13.1 - Scheme for the Identification of Piping Systems.
- B. ANSI Z535.1 - Safety Color Code.
- C. ASTM D 16 - Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.
- D. ASTM D 3359 - Standard Test Methods for Measuring Adhesion by Tape Test.
- E. ASTM D 1653 - Standard Test Methods for Water Vapor Transmission of Organic Coating Films.
- F. ASTM E-96 – Standard Test Methods for Water Vapor Transmission of Materials.
- G. ASTM D 412 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.

- H. 40 CFR 59, Subpart D National Volatile Organic Compound Emission Standards for Architectural Coatings.
- I. Fed Spec - TT C-555B – Wind Driven Rain Test.
- J. ASTM D 16- Standard Terminology for Paint, Coatings, Materials, and Applications.
- K. SSPC, The Society for Protective Coatings - Web Site [http: www.sspc.org](http://www.sspc.org):
 - 1. SSPC-SP1 Solvent Cleaning.
 - 2. SSPC-SP2 Hand Tool Cleaning.
 - 3. SSPC-SP3 Power Tool Cleaning.
 - 4. SSPC-SP6 Commercial Blast Cleaning.
 - 5. SSPC-SP7 Brush-Off Blast Cleaning.
- L. PDCA Paint and Decorating Contractors of America - Web Site [http: www.pdca.org](http://www.pdca.org):
 - 1. PDCA Standards P1 through P15

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Finish Schedule: Submit finish schedule including color information, gloss and model number for each type and color of finish specified.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten (10) years experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing finishes and coatings of the same type and scope as specified.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, sheen and appearance are approved by Architect per PDCA Standards P4 and P5.
 - 3. Refinish mock-up area as required to produce acceptable work per PDCA Standards.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent based or otherwise hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.
- C. Take special safety precautions against hazards from toxic and flammable materials.
- D. Place paint and solvent contaminated cloths and materials, subject to spontaneous combustion, in containers and remove from job site each day.
- E. Keep open flame, electrical and static spark, and other ignition sources from flammable vapors and materials at all times.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Post "WET PAINT" signs during application and curing of all coatings that may be accessed by other trades or the public.
- C. Post "NO SMOKING" signs during application and curing of solvent-based materials.

1.8 COORDINATION

- A. Coordinate Work with other operations and installation of finish materials to avoid damage to installed materials.
- B. Do not apply coating materials until moisture or dust-producing work or other appearance or performance impairing construction activities have been completed.

1.9 WARRANTY

- A. At project closeout, provide to Owner or Owners Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.

1.10 EXTRA MATERIALS

- A. At project closeout, provide to the owner or owners representative, two gallons (7.75L) of each finish coating material in sealed 1 gallon (3.875 L) containers, clearly marked with color and finish identification.
- B. Custom Colors: Provide a list of color formula and location for each finish specified.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Rodda Paint Company and Cloverdale Paint Company; 6123 N. Marine Drive, Portland, OR 97203. ASD. Toll Free Tel: (800) 452-2315. Sales Support Tel: (503) 737-6033. Fax: (503) 737-6004. Web: www.roddapaint.com.
1. Architectural Representative: Jeff McIntyre: Phone: (206) 396-7074. E-mail: jmcintyre@roddapaint.com.
 2. Seattle Sales Office: 3838 Fourth Ave. South, Seattle, WA 98134. Phone: (206) 652-0445. Fax: (206) 652-0565.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PAINT MATERIALS – GENERAL

- A. VOC : Provide materials all local Air Quality Regulations.

2.3 EXTERIOR PAINT SYSTEMS

- A. Substrate: Ferrous Metal:
1. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 7082xx Barrier III High Solids Alkyd Metal Primer.
 2. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 508998 Metal Master Primer (Waterborne).
 3. Primer: Ferrous Metal Surfaces - High Performance Primer (under 2 Part Urethane Polycoat) One Coat 759401 Ropon High Solids 2 Part Epoxy.
 4. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 5. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
 6. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
 7. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
 8. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
 9. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
 10. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
 11. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
 12. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
 13. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.
- B. Substrate: Windows, Frames and Doors Ferrous Metal:
1. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 7082xx Barrier III High Solids Alkyd Metal Primer.
 2. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 508998

Metal Master Primer (Waterborne).

3. Primer: Ferrous Metal Surfaces - High Performance Primer (under 2 Part Urethane Polycoat) One Coat 759401 Ropon High Solids 2 Part Epoxy.
4. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
5. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
6. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
7. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
8. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
9. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
10. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
11. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
12. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
13. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.

C. Substrate: Aluminum:

1. Primer: Mill-Finished Aluminum Surfaces - Prime with one coat XIM UMA modified acrylic bonding Waterbase Primer.
2. Primer: Galvanized Surfaces - Prime with one coat 71007 ClovaBond (solvent based) Acrylic Bonding Primer applied at 0.1-0.3 mils DFT.
3. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
4. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
5. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
6. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
7. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
8. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
9. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
10. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
11. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
12. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.

D. Substrate: Galvanized Metal:

1. Primer: Galvanized Surfaces - Prime with one coat 508998 Metal Master Acrylic Primer (Waterborne).
2. Primer: Galvanized Surfaces - Prime with one coat 71007 ClovaBond (solvent based) Acrylic Bonding Primer applied at 0.1-0.3 mils DFT.
3. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior

Semi-Gloss.

4. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
5. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
6. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
7. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
8. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
9. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
10. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
11. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
12. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.

E. Substrate: Rusting Iron or Other Ferrous Metal:

1. Primer: Rust Converter and Rusted Ferrous Metal Primer - Prime with one to two coats (10 mils wet) CS100 Corroseal (waterborne).
2. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
3. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
4. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
5. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
6. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
7. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
8. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
9. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
10. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
11. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.

F. Substrate: Copper Piping:

1. Primer: Copper - Prime with one coat XIM UMA modified acrylic bonding Waterbase Primer.
2. Primer: Galvanized Surfaces - Prime with one coat 71007 ClovaBond (solvent based) Acrylic Bonding Primer applied at 0.1-0.3 mils DFT.
3. Finish: Semi-Gloss Acrylic -Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
4. Finish: Semi-Gloss Acrylic -Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
5. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.
6. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.

7. Finish: Gloss, Alkyd Gloss - Two coats Rodda 75810x All Purpose Equipment Enamel.
8. Finish: Semi-Gloss, Alkyd Semi-Gloss - Two coats Rodda 74500x Porsalite Semi-Gloss.
9. Finish: Gloss, Silicone Alkyd Gloss - Two coats Rodda 75880x Powerkote Silicone Alkyd Enamel.
10. Finish: Gloss, 2 Part Urethane Gloss - Two coats Rodda 759301 Polycoat High Solids (over Ropon Epoxy).
11. Finish: Gloss, 2 Part Urethane Low-Gloss - Two coats Rodda 72930x Polycoat HS Satin (over Ropon Epoxy).
12. Finish: Gloss, Urethane Acrylic (Waterborne) Gloss - Two coats Rodda 533256 Acrythane WB Gloss.

G. Substrate: Drywall, Unfinished (General Areas):

1. Primer: Drywall - Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
2. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
3. Finish: Flat - Two coats Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
4. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
5. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
6. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
7. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
8. Finish: Satin - Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
9. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Reflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.

H. Substrate: Vinyl Siding and Shutters:

1. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
2. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
3. Finish: Flat - Two coats Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
4. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
5. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
6. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
7. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
8. Finish: Satin - Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
9. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Reflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.

I. Substrate: Fiberglass Doors:

1. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
2. Finish: Semi-Gloss Acrylic - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
3. Finish: Semi-Gloss Acrylic - Deep Colors and Accent Striping, Low Gloss: Two coats Rodda 53203x Color Base System Exterior.
4. Finish: Gloss, Acrylic - Two coats Rodda 558901 Metal Master DTM Gloss Enamel.

5. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Acrylic Enamel Gloss.
- J. Substrate: Masonry and Brick (non-porous):
1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
 2. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
 3. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 4. Finish: Flat –Two coats Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 5. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 6. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 7. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 8. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 9. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
 10. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Roflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.
- K. Substrate: Concrete Masonry Units (Porous):
1. Block Filler: One coat Rodda Sprayable Smooth Block Filler. Backroll to fill voids.
 2. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 3. Finish: Flat –Two coats Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 4. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 5. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 6. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 7. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 8. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
 9. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Roflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.
- L. Substrate: Cured Stucco:
1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
 2. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
 3. Primer Finish: Rodda 512301 pHlex-tite acrylic elastomeric Primer /Finish.
 4. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 5. Finish: Flat One coat Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 6. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 7. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 8. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 9. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 10. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
 11. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Roflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.

- M. Substrate: Cast Concrete:
1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
 2. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
 3. Primer Finish: Rodda 512301 pHlex-tite acrylic elastomeric Primer /Finish.
 4. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 5. Finish: Flat One coat Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 6. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 7. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 8. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 9. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 10. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
 11. Elastomeric Finish: Smooth Flat - Two coats Rodda Super Reflex Elastomeric Coating at 7.5 dry mils per coat. Backroll to eliminate pinholes.
- N. Substrate: Hot Concrete (high pH):
1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
 2. Primer Finish: Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 3. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 4. Finish: Flat – One coat Rodda 512301 pHlex-tite acrylic elastomeric Primer / Flat Finish.
 5. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 6. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 7. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 8. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 9. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
- O. Substrate: Hardiboard or Hardiplank:
1. Primer: Prime bare substrate with one coat Rodda 501601 First Coat Acrylic Latex Primer.
 2. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 3. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 4. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.
 5. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
 6. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
 7. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.
- P. Substrate: Wood, Vertical Trim and Siding – Opaque Paint Finish:
1. Primer: One coat Rodda 501601 First Coat Acrylic Latex Primer.
 2. Primer: One coat Rodda 701501 Control Wood Alkyd Primer.
 3. Finish: Flat - Two coats Rodda 511901 AC910 Exterior Acrylic Latex Flat.
 4. Finish: Velvet Flat - Two coats Rodda 511101 AC911 Exterior Acrylic Latex Velvet Flat.
 5. Finish: Satin - Two coats Rodda 521101 AC909 Exterior Acrylic Latex Satin.

6. Finish: Semi-Gloss - Two coats Rodda 542001 Unique II Interior/ Exterior Semi-Gloss.
7. Finish: Deep Colors and Accent Striping, 53203x Low Gloss - Two coats Rodda Color Base System Exterior.
8. Finish: Satin -Two coats 522501 Ultimate Exterior Silicone Acrylic (20 year Warranty) Satin.

Q. Substrate: Wood, Vertical Trim and Siding – Stain Finish:

1. Semi-Transparent, Alkyd: Rodda 71410xx Rural Manor Semi-Transparent Stain.
2. Finish Opaque, Alkyd: Rodda 71440x Rural Manor II Solid Oil Stain.

R. Substrate: Wood Decking and Porch Floors – Stain Finish:

1. Finish Semi-Transparent: FloodPro Semi-Transparent Penetrating Oil Finish.
2. Finish Opaque: FloodPro Solid Deck and Siding Finish.

S. Substrate: Pavement Traffic and Zone Marking Paint:

1. Driveline Acrylic Emulsion Striping Paint – White 7341.
2. Driveline Acrylic Emulsion Striping Paint – Yellow 7342.

2.4 INTERIOR PAINT SYSTEMS

A. Substrate: Ferrous Metal:

1. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 7082xx Barrier III High Solids Alkyd Metal Primer.
2. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 508998 Metal Master Primer (Waterborne).
3. Primer: Ferrous Metal Surfaces - High Performance Primer (under 2 Part Urethane Polycoat) One Coat 759401 Ropon High Solids 2 Part Epoxy.
4. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
5. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
6. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
7. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
8. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
9. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
10. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
11. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
12. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
13. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
14. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
15. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
16. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

B. Substrate: Windows, Frames and Doors Ferrous Metal:

1. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 7082xx Barrier III High Solids Alkyd Metal Primer.
2. Primer: Ferrous Metal Surfaces - Prime exposed metal areas with one coat 508998 Metal Master Primer (Waterborne).
3. Primer: Ferrous Metal Surfaces - High Performance Primer (under 2 Part Urethane

Polycoat) One Coat 759401 Ropon High Solids 2 Part Epoxy.

4. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
5. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
6. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
7. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
8. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
9. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
10. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
11. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
12. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
13. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
14. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
15. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
16. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

C. Substrate: Aluminum:

1. Primer: Mill-Finished Aluminum Surfaces - Prime with one coat XIM UMA modified acrylic bonding Primer.
2. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
3. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
4. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
5. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
6. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
7. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
8. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
9. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
10. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
11. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
12. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
13. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
14. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

D. Substrate: Galvanized Metal:

1. Primer: Galvanized Surfaces - Prime with one coat 508998 Metal Master Acrylic Primer (Waterborne).
2. Primer: Galvanized Surfaces - Prime with one coat 71007 ClovaBond (solvent based) Acrylic Bonding Primer.
3. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
4. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
5. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
6. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
7. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior

Latex.

8. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
9. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
10. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
11. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
12. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
13. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
14. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
15. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

E. Substrate: Rusting Iron or other ferrous metal:

1. Primer: Rust Converter and Rusted Ferrous Metal Primer - Prime with one to two coats (10 mils wet) CS100 Corroseal (waterborne).
2. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
3. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
4. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
5. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
6. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
7. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
8. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
9. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
10. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
11. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
12. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
13. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
14. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

F. Substrate: Copper Piping:

1. Primer: Copper - Prime with one coat XIM UMA modified acrylic bonding Primer.
2. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
3. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
4. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
5. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
6. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
7. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
8. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
9. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
10. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
11. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
12. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.

13. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
14. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

G. Substrate: Drywall:

1. Primer: Prime with one coat Rodda 507801 ScotSeal heavy bodied Acrylic wall board sealer.
2. ZERO VOC Primer: Prime with one coat 503501 Horizon Interior Primer.
3. Primer: Prime with one coat Rodda 507701 Roseal wall board sealer.
4. Primer: Prime with one coat Rodda 507901 Vapor Block wall board sealer to achieve moisture vapor barrier rating <1 PERM.
5. Primer: Prime with one coat Rodda 532516 Ezee Wall Prep applied at 6-10 mils WFT for Smooth Level 5 finish.
6. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
7. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
8. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
9. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
10. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
11. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
12. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
13. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
14. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
15. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
16. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
17. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
18. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.

H. Substrate: Masonry and Brick (non-porous):

1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
2. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
3. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
4. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
5. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
6. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
7. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
8. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
9. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
10. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
11. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
12. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
13. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
14. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.

15. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.
- I. Substrate: Concrete Masonry Units (Porous):
1. Block Filler: One coat Rodda 501901 Sprayable Smooth Block Filler. Backroll to fill voids.
 2. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
 3. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
 4. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
 5. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
 6. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
 7. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
 8. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
 9. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
 10. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
 11. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
 12. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
 13. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
 14. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.
- J. Substrate: Cast Concrete Except Floors:
1. Primer: One coat 501801 Surfbond II Acrylic Masonry Conditioner Primer.
 2. Primer: Prime with one coat Rodda 501601 First Coat Acrylic Latex Primer.
 3. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
 4. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
 5. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
 6. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
 7. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
 8. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
 9. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
 10. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
 11. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
 12. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
 13. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
 14. Wet Environment Finish: Waterbased Epoxy, Gloss - Two coats Rodda's Cloverdale Ecologic WB 70503 2 Component Epoxy.
 15. Wet Environment Finish: Waterbased Epoxy, Semi-Gloss - Two coats Rodda's Cloverdale Ecologic WB 70504 2 Component Epoxy.
- K. Substrate: Ceiling and Overhead Surfaces: Dry Fall Finishes:
1. Finish: Flat, Latex, Rodda 513801 100 percent Acrylic Dry Fall Flat White base.
 2. Finish: Flat, Rodda 513804 100 percent Acrylic Dry Fall Flat Black.
 3. Finish: Eggshell, Latex, Rodda 533801 Acrylic Dry Fall Eggshell White base.

- L. Substrate: Wood - Opaque Finish:
1. Primer: One coat Rodda 703401 Variseal Alkyd Enamel Undercoat.
 2. Primer: One coat Rodda 502001 Unique II Acrylic Enamel Undercoater.
 3. Finish: Flat - Two coats Rodda 513101 Master Painter Interior Latex Flat.
 4. Finish: Velvet Flat - Two coats Rodda 513001 Lasyn Interior Flat Latex.
 5. Finish: Satin - Two coats Rodda 523001 Master Painter Satin Interior Latex.
 6. Finish: Eggshell - Two coats Rodda 533001 Lasyn Interior Latex Eggshell Enamel.
 7. Finish: Semi-Gloss - Two coats Rodda 543101 Master Painter Semi-Gloss Interior Latex.
 8. Finish: Side Sheen Flat Acrylic - Two coats Rodda 512001 Unique II Scrubbable Flat.
 9. Finish: Lo Gloss Acrylic - Two coats Rodda 532001 Unique II Low Gloss.
 10. Finish: Semi-Gloss, Acrylic - Two coats Rodda 533589 WoodMaster Premium Semi-Gloss.
 11. Finish: Semi Gloss, Acrylic - Two coats Rodda 542001 Unique II Semi-Gloss.
 12. Finish: Gloss, Acrylic - Two coats Rodda 552001 Unique II Gloss.
 13. Zero VOC Finish: 513501 Flat, 523501 Satin or 543501 Semigloss Horizon Interior Latex.
- M. Wood, Rough Surfaced - Natural Flat Transparent Finish:
1. Finish: Solvent-Based - One coat Rodda 716006 Modern Wood Stain Clear.
- N. Wood – Stain with Clear Urethane Varnish Finish:
1. Stain Coat: One coat, Rodda 71600x Modern Wood Stain.
 2. Sealer: One coat Rodda 705100 Quick Dry Sanding Sealer, Clear.
 3. Finish: Satin – Rodda 725100 Aqua Master Varnish Clear Polyurethane Satin.
 4. Finish: Semi-Gloss - Rodda 745100 Aqua Master Varnish Clear Polyurethane Semi-Gloss.
 5. Finish Gloss: Rodda 755100 Aqua Master Varnish Clear Polyurethane Gloss.
- O. Wood - Clear Lacquer Finish:
1. Sealer: Rodda 706400 Cat-A-Lac Sanding Sealer.
 2. Finish: Satin, Two coats Rodda 726400 Cat-A-Lac Pre-Catalyzed Clear Lacquer.
 3. Finish: Semi-Gloss, Two coats Rodda 746400 Cat-A-Lac Pre-Catalyzed Clear Lacquer.
 4. Finish: Gloss, Acrylic - Two coats Rodda 756400 Cat-A-Lac Pre-Catalyzed Clear Lacquer.
- P. Wood - Opaque Lacquer Finish:
1. Sealer: Lacquer Primer Surfacer 706201.
 2. Finish: Satin, Two coats 726401 Cat-A-Lac Pre-Catalyzed Lacquer White.
 3. Finish: Semi-Gloss, Two coats 746401 Cat-A-Lac Pre-Catalyzed Lacquer White.
 4. Finish: Gloss, Acrylic - Two coats 756401 Cat-A-Lac Pre-Catalyzed Lacquer White.
- Q. Wood - Clear Waterborne Finish:
1. Sealer: Varathane Water based Polyurethane Sealer.
 2. Finish: Satin, Acrylic -Varathane Diamond Waterbased Polyurethane.
 3. Finish: Semi-Gloss, Acrylic - Varathane Diamond Waterbased Polyurethane.
 4. Finish: Gloss, Acrylic - Varathane Diamond Waterbased Polyurethane.
- R. Wood Floors-Clear Finish:
1. Finish: Varathane Diamond Waterborne Polyurethane Floor Finish Satin, Semi-Gloss, Gloss.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Ensure that surfaces to receive coatings are dry immediately prior to application.
- C. Ensure that moisture-retaining substrates to receive coatings have moisture content within tolerances allowed by coating manufacturer. Where exceeding the following values, promptly notify Architect and obtain direction before beginning work.
 - 1. Concrete and Masonry: 13 percent. Cure minimum 28 days.
 - 2. Exterior Wood: 17 percent.
 - 3. Interior Wood: 15 percent.
 - 4. Interior Finish Detail Woodwork, Including Trim, and Casework: 10 percent.
 - 5. Plaster and Gypsum: 15 percent.
 - 6. Concrete Slab-On-Grade: Perform calcium chloride test over 24 hour period or other acceptable test to manufacturer. Verify acceptable moisture transmission and pH levels.
- D. Examine surfaces to receive coatings for surface imperfections and contaminants that could impair performance or appearance of coatings, including but not limited to, loose primer, rust, scale, oil, grease, mildew, algae, or fungus, stains or marks, cracks, indentations, or abrasions.
- E. Correct conditions that could impair performance or appearance of coatings in accordance with specified surface preparation procedures before proceeding with coating application.

3.2 PREPARATION - GENERAL

- A. Clean surfaces thoroughly prior to coating application.
- B. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.
- C. Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; cover stains and marks which cannot be completely removed with isolating primer or sealer recommended by coating manufacturer to prevent bleed-through.
- D. Remove Mildew, Algae, and Fungus using materials and methods recommended by coating manufacturer.
- E. Remove dust and loose particulate matter from surfaces to receive coatings immediately prior to coating application.
- F. Remove or protect adjacent hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, and other items not indicated to receive coatings.
- G. Move or protect equipment and fixtures adjacent to surfaces indicated to receive coatings to

allow application of coatings.

- H. Protect adjacent surfaces not indicated to receive coatings.
- I. Prepare surfaces in accordance with manufacturer's instructions for specified coatings and indicated materials, using only methods and materials recommended by coating manufacturer.

3.3 SURFACE PREPARATION

- A. Asphalt - Pavement Markings on Bituminous Materials: Remove foreign materials that could impair coating performance or appearance; apply specified primer for maximum coating adhesion.
- B. Concrete and Concrete Masonry: Clean surfaces free of loose particles, sand, efflorescence, laitance, form oil, curing compounds, and other substances which could impair coating performance or appearance.
- C. Concrete Floors: Remove contaminants which could impair coating performance or appearance. Verify moisture transmission and alkaline-acid balance recommended by coating manufacturer; mechanically abrade surface SSPC SP6 or Blast Track, to achieve 80-100 grit medium-sandpaper texture.
- D. Existing Coatings:
 - 1. Remove surface irregularities by scraping or sanding to produce uniform substrate for coating application; apply one coat primer of type recommended by coating manufacturer for maximum coating adhesion.
 - 2. If presence of lead in existing coatings is suspected, cease surface preparation and notify Architect immediately.
- E. Gypsum Board: Repair cracks, holes and other surface defects with joint compound to produce surface flush with adjacent surfaces.
- F. Masonry Surfaces - Restored: Remove loose particles, sand, efflorescence, laitance, cleaning compounds and other substances that could impair coating performance or appearance.
- G. Metals - Aluminum, Mill-Finish: Clean and etch surfaces with a phosphoric acid-water solution or water based industrial cleaner. Scuff sand smooth surfaces to create profile for adhesion. Flush with clean water and allow to dry, before applying primer coat. Test adhesion of primer to ensure performance.
- H. Metals - Copper: Clean surfaces with pressurized steam, pressurized water, or solvent washing.
- I. Metals - Ferrous, Unprimed: Follow SSPC SP3 surface preparation. Remove rust or scale, if present, by wire brush cleaning, power tool cleaning, or sandblast cleaning; remove grease, oil, and other contaminants which could impair coating performance or appearance by solvent cleaning, with phosphoric-acid solution cleaning of welds, bolts and nuts; spot-prime repaired welds with specified primer.
- J. Metals - Ferrous, Shop-Primed: Follow SSPC SP3 surface preparation. Remove loose

primer and rust, if present, by scraping and sanding, feathering edges of cleaned areas to produce uniform flat surface; solvent-clean surfaces and spot-prime bare metal with specified primer, feathering edges to produce uniform flat surface.

- K. Metals - Galvanized Steel (not passivated): Clean with a water-based industrial strength cleaner, apply GalvaPrep adhesion promoter followed by a clean water rinse; or wipe down surfaces using clean, lint-free cloths saturated with xylene or lacquer thinner; followed by wiping the surface dry using clean, lint-free cloths. Test adhesion of primer to ensure performance.
- L. Metals - Galvanized Steel, Passivated: Clean with water-based industrial strength cleaner, and/or "Brush Blast" in accordance with SSPC-SP7. After the surface has been prepared, apply recommended primer to a small area. Allow primer to cure for 7 days, and test adhesion using the "cross-hatch adhesion tape test" method in accordance with ASTM D 3359. If the adhesion of the primer is positive, proceed with a recommended coating system for galvanized metal.
- M. Metals - Stainless Steel: Clean surfaces with pressurized steam, pressurized water, or water-based industrial cleaner. Test adhesion of primer to ensure performance.
- N. Plaster: Repair cracks, holes and other surface defects as required to maintain proper surface adhesion. Apply patching plaster or Joint compound and sand to produce surface flush with adjacent undamaged surface. Allow a full cure prior to coating application as recommended by the patching compound manufacturer's recommendations.
- O. Polyvinyl Chloride (PVC) Pipe: remove contaminants and markings with denatured alcohol scuff sand and wipe with solvent for maximum adhesion. Test adhesion before starting the job.
- P. Fiberglass Doors - remove contaminants with cleaning solvent (alcohol) scuff sand and wipe. Test adhesion of primer before starting job.
- Q. Textiles - Insulated Coverings, Canvas or Cotton: Clean using high-pressure air and solvent of type recommended for material.
- R. Wood:
 - 1. Seal knots, pitch streaks, and sap areas with sealer recommended by coating manufacturer; fill nail recesses and cracks with filler recommended by coating manufacturer; sand surfaces smooth.
 - 2. Apply primer coat to back of wood trim and paneling.
- S. Wood Doors: Seal door tops and bottoms prior to finishing.
- T. Wood - Field-Glazed Frames and Sash: Prime or seal glazing channels prior to glazing.

3.4 APPLICATION - GENERAL

- A. Apply each coat to uniform coating thickness in accordance with manufacturer's instructions, not exceeding manufacturer's specified maximum spread rate for indicated surface; thins, brush marks, roller marks, orange-peel, or other application imperfections are not permitted.
- B. Allow manufacturer's specified drying time, and ensure correct coating adhesion, for each

coat before applying next coat.

- C. Inspect each coat before applying next coat; touch-up surface imperfections with coating material, feathering, and sanding if required; touch-up areas to achieve flat, uniform surface without surface defects visible from 5 feet (1.5 m).
- D. Do not apply succeeding coat until Architect has approved previous coat; only Architect-approved coats will be considered in determining number of coats applied.
- E. Remove dust and other foreign materials from substrate immediately prior to applying each coat.
- F. Where coating application abuts other materials or other coating color, terminate coating with a clean sharp termination line without coating overlap.
- G. Where color changes occur between adjoining spaces, through framed openings that are of same color as adjoining surfaces, change color at outside stop corner nearest to face of closed door.
- H. Re-prepare and re-coat unsatisfactory finishes; refinish entire area to corners or other natural terminations.

3.5 CLEANING

- A. Clean excess coating materials, and coating materials deposited on surfaces not indicated to receive coatings, as construction activities of this section progress; do not allow to dry.
- B. Re-install hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, and other items that have been removed to protect from contact with coatings.
- C. Reconnect equipment adjacent to surfaces indicated to receive coatings.
- D. Relocate to original position equipment and fixtures that have been moved to allow application of coatings.
- E. Remove protective materials.

3.6 PROTECTION

- A. Protect completed coating applications from damage by subsequent construction activities.
- B. Repair to Architect's acceptance coatings damaged by subsequent construction activities. Where repairs cannot be made to Architect's acceptance, re-apply finish coating to nearest adjacent change of surface plane, in both horizontal and vertical directions.

END OF SECTION