

ITEM 653.1100--25 - TRASH CORRAL

1. DESCRIPTION:

- 1.01 This work shall consist of constructing a new masonry trash corral, as indicated on the plans. The trash corral shall be constructed of the same or approved equal materials, in the same manner as the existing trash corral that it replaces. It shall be constructed in accordance with NYSDOT Standard Specifications for Construction and Materials, and in accordance with the following Specification sections:

NYSDOT Section 500 - Concrete
NYSDOT Section 608 - Portland Cement Concrete Driveways
NYSDOT Section 663 – Water Supply Utilities
NYSDOT Section 700 – Materials (Masonry)

<u>Subsection No.</u>	<u>Description</u>
704-12	Decorative Concrete Block
705-06	Caulking Compound for Structures
705-07	Pre-molded Resilient Joint Filler
705-21	Masonry Mortar
709-11	Galvanized Bar Reinforcement
709-02	Wire Fabric for Concrete Reinforcement
711-08	Admixtures

Building Material Specifications

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2. MATERIALS:

- 2.01 All materials shall conform to the requirements of the Specification Sections listed above.

3. CONSTRUCTION DETAILS:

- 3.01 All materials shall be installed in accordance with the Specification Sections listed above.

4. METHOD OF MEASUREMENT:

- 4.01 The work under these items will be measured for payment on a lump-sum basis. The lump-sum price bid shall include the cost of all labor, materials, equipment, and incidentals necessary to complete the work as required in a manner approved by the Engineer.

5. BASIS OF PAYMENT:

- 5.01 Payment will be made at the lump-sum price for this bid item. Monthly payment will be made for this item in proportion to the total amount of work satisfactorily completed.

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5. BASIS OF PAYMENT: (cont'd)

- 5.02 Before the first certificate of payment is issued for the work under these items, the Contractor shall furnish to the Engineer, a detailed estimate of quantities and prices of all materials and labor included under these items, which shall aggregate the contract lump-sum price bid for these items. The estimate shall be made out in such form as required and, if requested, supported by such evidence of its correctness as the Engineer may direct. This evidence shall include certified copies of subcontracts.
- 5.03 The Contractor agrees that this detailed estimate shall not become effective until it has been approved by the Engineer, who shall have the various subdivisions of work conform to their true value. The approved detailed estimate shall be used as a basis for certifications of payment. The proportionate share for bond premiums for these items shall not be listed as a separate item but its cost shall be distributed pro rata throughout the estimate for these items.
- 5.04 The Engineer may request a revised estimate at any time.

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SECTION 06100 - ROUGH CARPENTRY

PART 1 - GENERAL

1.01 REFERENCES

- A. **Standards:** Comply with the following unless otherwise specified or indicated on the Drawings:
1. **Lumber:** American Softwood Lumber Standard PS 20 by the U.S. Department of Commerce. Comply with applicable provisions for each indicated use.
 2. **Plywood:** Product Standard PS 1 for Softwood Plywood, Construction and Industrial by the U.S. Department of Commerce.
 3. **Plywood Installation:** APA Design/Construction Guide, Residential & Commercial by the American Plywood Association (APA).
 4. **Grading Rules:**
 - a. Douglas Fir, Hem-Fir, Idaho White Pine, and other Western Woods: Western Wood Products Association (WWPA) or West Coast Lumber Inspection Bureau (WCLIB).
 - b. Southern Pine: Southern Pine Inspection Bureau (SPIB).
 - c. Redwood: Redwood Inspection Service (RIS).
 - d. Spruce-Pine-Fir: National Lumber Grades Authority (NLGA).
 5. **Preservative Treatment:** American Wood Preservers' Association (AWPA) and American Wood Preservers Bureau (AWPB) Standards, quality control methods, and inspection requirements.
 6. **Fire-Retardant Treatment:** American Wood Preservers' Association (AWPA) Standards.
 7. **Framing Installation:** American Forest and Paper Association (AFPA).

1.02 QUALITY ASSURANCE

- A. **Mill and Producers Mark:** Each piece of lumber and plywood shall be grade stamped indicating type, grade, mill, and grading agency certified by the Board of Review of the American Lumber Standards Committee. Mark shall appear on unfinished surface, or ends of pieces with finished surfaces.
1. **Pressure Preservative Treated Material:** Accredited agency quality mark, on each piece of wood, indicating treatment.
 2. **Fire-Retardant Treated Material:** Accredited testing agency mark, on each piece of wood, indicating compliance with the fire hazard classification.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Keep materials dry. Make provision for air circulation around and between stacks of wood products.

PART 2 PRODUCTS

2.01 LUMBER

- A. **General:** Furnish seasoned dimension lumber dressed to nominal sizes indicated with 19 percent maximum moisture content at time of dressing, marked "S-DRY". Comply with dry size requirements of PS 20.
1. **Dress:** Surfaced 4 sides (S4S) unless otherwise indicated.

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SECTION 06100 - ROUGH CARPENTRY (cont'd)

- B. **Framing Lumber:** Species: Douglas Fir or Hem-Fir (WWPA or WCLIB), or Southern Pine (SPIB), or Spruce-Pine-Fir (NGLA) unless otherwise indicated.
1. **Light Framing:** 2" through 4" thick, less than 6" wide: Standard and Better grade, except Stud grade for stud framing.
 2. **Structural Framing:** 2" through 4" thick, 6" wide and wider: No. 2 grade.
- C. Board Lumber; less than 2" thick:
1. **Exposed Board Lumber, for Paint Finish:** Southern Pine No. 1 (SPIB), Douglas Fir 2 Common (WWPA), Select Merchantable (WCLIB), or Spruce-Pine-Fir Appearance (NGLA).
 2. **Concealed Board Lumber:** Southern Pine No. 3 (SPIB), any species No. 4 (WWPA), any species Standard (WCLIB), or Spruce-Pine-Fir No. 1 / No. 2 (NGLA).
- D. **Miscellaneous Lumber:** Standard grade, No. 3 grade, or better grade of the following species unless otherwise indicated:
1. **Nailers and Blocking:** Douglas Fir, Hem-Fir, Idaho White Pine, Southern Pine, or Spruce-Pine-Fir.
 2. **Furring:** Spruce, Hem-Fir, or Spruce-Pine-Fir except Douglas Fir or Southern Pine for furring required to receive preservative treatment.

2.02 PLYWOOD

- A. **Sheathing and Subflooring:** APA RATED SHEATHING, EXPOSURE 1. Furnish APA PS 1 veneered panels, with span ratings for the required thicknesses as listed below unless otherwise indicated.

THICKNESS	SPAN RATING
3/8"	24/0
1/2"	32/16
5/8"	40/20
3/4"	48/24

2.03 PRESERVATIVE TREATMENT

- A. Treat lumber and plywood where indicated and as specified. Comply with applicable AWPB Standards and quality control and inspection requirements.
- B. Complete fabrication of items to be treated to the greatest extent possible prior to treatment. Where items must be cut after treatment, coat cut surfaces with heavy brush coat of the same chemical used for treatment or other solution recommended by AWPB Standards for the treatment.
- C. **Pressure Treatment (Above Ground Use):** Treat the following wood items with waterbourne preservatives for above ground use, complying with AWPB LP-2. Re-dry wood to a maximum moisture content of 19 percent after treatment.
1. Nailers, blocking, cants, shim stock, and similar members used in conjunction with roofing (including related flashings, trim and vapor barrier) and coping.
 2. Nailers, blocking, furring, stripping, and similar concealed members in contact with exterior masonry and concrete (including interior wythe of exterior walls).
 3. Wood items indicated or scheduled on the Drawings to be preservative treated.

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SECTION 06100 - ROUGH CARPENTRY (cont'd)

- D. **Pressure Treatment (Ground Contact Use):** Treat the following wood items with waterbourne preservatives for below ground use, complying with AWPB LP-22:
1. Wood members placed in the ground.
 2. Wood members immersed in fresh water.
 3. Wood members encased in concrete.

2.04 FASTENERS AND ANCHORING DEVICES

- A. Select and furnish items of type, size, style, grade, and class as required for secure installation of the Work. Items shall be galvanized for exterior locations, high humidity locations, and for use with treated wood. Unless shown or specified otherwise, comply with the following:
1. **Nails and Staples:** FS FF-N-105.
 2. **Wood Screws:** FS FF-S-111.
 3. **Bolts and Studs:** FS FF-B-575.
 4. **Nuts:** FS FF-N-836.
 5. **Washers:** FS FF-W-92.
 6. **Lag Bolts or Lag Screws:** FS FF-B-561.
 7. **Masonry Anchoring Devices:** Expansion shields, masonry nails and drive screws: FS FF-S-325.
 8. **Toggle Bolts:** FS FF-B-588.
 9. **Bar or Strap Anchors:** ASTM A575 carbon steel bars.
 10. **Wall Plugs:** Corrugated type, galvanized steel, 24 USS gage min, not less than 2 inches wide x 2-1/2 inches deep.
 11. **Metal Hangers and Framing Anchors:** Size and type for intended use, galvanized finish, manufacturer's recommended fasteners.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. **Wood Framing:** Install in accordance with applicable provisions of the AFPA "Manual for Wood Frame Construction", unless otherwise indicated.
- B. **Plywood:**
1. Install in accordance with APA Design/Construction Guide, Residential & Commercial, unless otherwise indicated.
 2. Fasten in accordance with APA recommendations.
 3. **Underlayment:** Use ring-shank or screw-shank type nails. Set nails 1/16", but do not fill nail holes.
 4. **Subflooring:** Glue-nail plywood to supports. Comply with APA recommendations.
- C. **Nailers and Blocking:** Attach to substrate as required to support applied loading.
- D. **Wood Framing:** Install true to lines within a tolerance of 1/8" in 10 ft.
- E. **Treated Wood:** Brush-coat field cut surfaces with same treatment material.

END OF SECTION 06100

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SECTION 06200 - FINISH CARPENTRY

PART 1 - GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. **Nailers and Blocking:** Section 06100.
- B. **Wood Siding:** Section 07460.
- C. **Finish Hardware:** Section 08710.

1.02 REFERENCES

- A. Comply with the applicable provisions of the "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" (Fifth Edition) of the Architectural Woodwork Institute (AWI) except as otherwise specified herein. References to "Premium", "Custom" and "Economy" Grades herein, shall be as defined in that Standard.
- B. **Lumber Standard:** AWI Section 100.
- C. Lumber Standard; American Softwood Lumber Standard: U.S. Dept. of Commerce Product Standard PS-20.
- D. **Panel Products:** AWI Section 200.
- E. **Preservative Treatment Standard:** American Wood Preservers Bureau (AWPB), by the American Wood Preservers Institute (AWPI).

1.03 SUBMITTALS

- A. **Shop Drawings:** Show fabrication details and connections to adjacent Work.
- B. **Samples:**
 - 1. **Transparent Finish Samples:** 12 inches long x full width, 6 inch width for panels; each type wood species and item to receive finish:

1.04 QUALITY ASSURANCE

- A. **Mill and Producer's Label:** Each lumber and panel item shall bear label indicating type, grade, mill, and grading agency on unfinished surface, or on end of material with finished surfaces.
 - 1. Panels shall bear APA or equivalent grade-mark; each panel.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store materials and completed fabricated wood items in a dry, well ventilated area completely protected from the weather. Comply with temperature and humidity requirements for storage and installation as specified in the applicable quality standards.
- B. Protect sanded and pre-finished surfaces during handling and installation. Keep such surfaces covered with polyethylene film or other suitable protective covering.

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SECTION 06200 - FINISH CARPENTRY (cont'd)

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Maintain constant minimum temperature of 60°F and maximum relative humidity of 55 percent in spaces to receive the Work of this Section.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. **Lumber:** Kiln-dried to 12 percent average moisture content for exterior Work; 8 percent for interior Work.
- B. **Fasteners:**
1. **Nails, Spikes, and Staples:** Size and type to suit application; non-ferrous metal or galvanized steel for exterior locations, high humidity locations, treated wood, and wood to receive transparent finishes; plain finish for other interior locations.
 2. **Bolts, Nuts, Washers, Lags, and Screws:** Medium carbon steel; size and type to suit application; galvanized for exterior locations, high humidity locations, and treated wood; plain finish for other interior locations.
 3. **Anchors:** Toggle bolt type for anchorage to hollow masonry; expansion shield and lag bolt type for anchorage to solid masonry or concrete; galvanized steel or stainless steel.
- C. Exterior gable sheathing shall be T1-11, 5/8" thickness.

2.02 STANDING AND RUNNING TRIM

- A. Comply with AWI Sections 300, 700, or 900 as applicable, and as otherwise specified herein.
- B. **Exterior Woodwork (to receive paint finish):** AWI Custom Grade.
1. **Species; Solid Wood:** Any softwood species complying with AWI Section 100, for the quality grade specified.
 2. **Species; Solid Wood:** Cedar "A & Better Clear", Southern Pine "No 2" (SPIB), or Douglas Fir "3 common" (WWPA), Construction (WCLB) or Select No. 1 or No. 2 (NLMA).
 4. **Cut; Solid Wood:** Plain sawn.
 5. **Panel Products:** Veneer core or particleboard core plywood.
 - a. **Face and Back Veneer Species:** Any Group 1 species, A-C EXT-APA for exposed pieces; C-C EXT-APA for concealed pieces.
 - b. **Plywood Face:** Overlaid; MDO EXT-APA.
 - c. **Cut; Face and Back Veneer:** Plain sliced.
- C. **Interior Woodwork (to receive paint finish):** AWI Custom Grade.
1. **Species; Solid Wood:** Any closed-grain hardwood complying with AWI Section 100 for the quality grade specified.
 2. **Species; Solid Wood:** Any softwood species complying with AWI Section 100 for the quality grade specified.
 3. **Species; Solid Wood:** Redwood "Construction Common" (RIS), Southern Pine "No. 2" (SPIB), or Douglas Fir "3 common" (WWPA), Construction (WCLB) or Select No. 1 or No. 2 (NLMA).
 4. **Cut; Solid Wood:** Plain sawn.

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SECTION 06200 - FINISH CARPENTRY (cont'd)

5. **Panel Products:** Veneer core or particleboard core plywood.
 - a. **Face and Back Veneer Species:** Any Group 1 species, A-D-INT APA, Exterior glue.
 - b. **Plywood Face:** Overlaid; MDO EXT-APA.
 - c. **Cut; Face and Back Veneer:** Plain sliced.

2.03 FABRICATION

- A. Machine and sand wood surfaces to comply with the requirements of the AWI Quality Grade specified.
- B. Mill assemble items to largest sizes practicable, to minimize field cutting and jointing. Allow for cutting and fitting where necessary to fit at the Site.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. **Verification of Conditions:** Examine substrate conditions and surfaces upon which finish Work is to be installed. Do not proceed with finish Work until unsatisfactory substrate conditions are corrected.

3.02 PREPARATION

- A. Condition the Work of this Section to average prevailing humidity conditions in installation areas prior to installing.

3.03 INSTALLATION

- A. Comply with workmanship and finishing standard requirements of the AWI Quality Grade specified herein.
- B. Install the Work plumb, level, and free of distortion. Shim where required, with concealed shims.
- C. Cut wood items to fit unless specified to be shop-fabricated, or shop-cut to exact size. Scribe and cut for accurate fit where Work abuts other finish Work. Drill pilot holes at corners before making cutouts.
- D. Distribute defects to the greatest appearance advantage possible.
- E. **Trim and Mouldings:** Install in single, unjointed lengths at openings and for runs less than the maximum lumber length available. For long runs, use only 1 piece less than the maximum length available in any straight run. Stagger joints in adjacent members. Cope mouldings at returns. Miter at corners.
- F. Attach the Work securely in place.
 1. **Nailing:** Blind nail where possible. Use finishing nails where exposed. Set nail heads for filling, except for exterior wood scheduled to receive natural finish (if any).
 2. **Anchoring:** Secure the Work to anchors or to blocking which is built-into or directly attached to substrates.
- G. **Treated Wood:** Coat exposed surfaces of treated field-cut wood items with a heavy brush coating of the same preservative.

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SECTION 06200 - FINISH CARPENTRY (cont'd)

3.04 CLEANING

- A. Clean exposed surfaces of prefinished Work.

3.05 PROTECTION

- A. Protect installed Work from damage by Work of other trades. Maintain temperature and humidity requirements during the construction period in interior installation areas.

END OF SECTION 06200

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SECTION 07311 - ASPHALT SHINGLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract apply to this Section.

1.2 SUMMARY

- A. This Section includes asphalt shingles for steep roofs.

1.3 SUBMITTALS

- A. **General:** Submit the following:
 - 1. Product data for each type of product specified, including details of construction relative to materials, dimensions of individual components, profiles, textures, and colors.
 - 2. Samples for verification purposes in form of two full-size units of each type of shingles required.

1.4 QUALITY ASSURANCE

- A. **Fire Performance Characteristics:** Provide products that are identical to those tested for the specified fire performance characteristics by UL or other testing and inspecting organizations acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing and inspecting organization.
 - 1. **Fire Resistance Ratings:** As indicated by reference to design designations in UL Fire Resistance Directory.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in manufacturer's unopened bundles or containers with labels intact.
- B. Handle and store materials at Project site to prevent water damage, staining, or other physical damage. Store roll goods on end. Comply with manufacturer's recommendations for job site storage, handling, and protection.

1.6 PROJECT CONDITIONS

- A. **Weather Conditions:** Proceed with work only when existing and forecasted weather conditions will permit work to be installed in compliance with manufacturer's recommendations and when substrate is completely dry.

1.7 EXTRA MATERIALS

- A. Deliver extra materials to the State. Furnish extra materials matching products installed as described below, packaged with protective covering for storage and identified with labels clearly describing contents.
 - 1. Furnish quantity of full-size asphalt shingles equal to 2 percent of amount installed.

1.8 WARRANTY

- A. Warranty period to be standard manufacturer's warranty for 40 year-class shingles.

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SECTION 07311 - ASPHALT SHINGLES (cont'd)

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. **Manufacturer:** Subject to compliance with requirements, provide asphalt shingles by:

GAF Building Materials Corp., Wayne, NJ

Or approved equal.

2.2 ASPHALT SHINGLES

- A. **Architectural Strip Shingles, UL Class "A", Heavy Weight:** Mineral-surfaced, self-sealing, architectural asphalt fiberglass strip shingles complying with ASTM D-3018, Type 1 and ASTM D-3462. Provide shingles bearing UL Class "A" external fire exposure label and UL "Wind Resistant" label.
- B. **Colors, Blends and Patterns:** Provide asphalt shingles conforming to GAF "Timberline", "Charcoal Blend", (no substitutions).

2.3 ACCESSORIES

- A. **Nails:** Aluminum or hot-dip galvanized steel, 11- or 12-gage, sharp-pointed, conventional roofing nails with barbed shanks, minimum 3/8" diameter head, and of sufficient length to penetrate 3/4" into solid decking or to penetrate through plywood sheathing. Material or nails in contact with flashing shall match materials selected for flashing to prevent galvanic action.
- B. **Metal Drip Edge:** Minimum 24 mil mill finish aluminum sheet, brake-formed to provide 3" roof deck flange and 1 1/2" fascia flange with 1 1/2" drip at lower edge. Furnish in lengths of 8 ft. or 10 ft.. Color to be pre-finished, white.
- C. **Perimeter Underlayment:** Polyethylene-sheet-backed rubberized asphalt membrane, 1/16" thick. Provide primer when recommended by underlayment manufacturer.
1. **Available Products:** Subject to compliance with requirements, products that may be incorporated in the work include, but are not limited to, the following:
- Bituthene Ice & Water Shield, W.R. Grace & Co., Cambridge, MA.
 - Polyken 640 Underlayment Membrane, Polyken Tech., Westwood, MA.
 - Polyguard Deck Guard, Polyguard Products, Inc., Ennis, TX.
 - Ice Guard Membrane No. 108-AG, Royston Laboratories, Inc., Pittsburg, PA.
 - Jiffy Seal Ice and Water Guard, Protecto Wrap Co., Denver, CO.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate for compliance with requirements for substrates, installation tolerances, and other conditions affecting performance of work of this Section. Do not proceed with installation until unsatisfactory conditions have been corrected.

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SECTION 07311 - ASPHALT SHINGLES (cont'd)

3.2 PREPARATION

- A. Clean substrates of projections and substances detrimental to application. Cover knotholes or other minor voids in substrate with sheet metal flashing secured with noncorrosive roofing nails.
- B. Coordinate installation with flashings and other adjoining work to ensure proper sequencing. Do not install roofing materials until all vent stacks and other penetrations through roof sheathing have been installed and are securely fastened against movement.

3.3 INSTALLATION

- A. Comply with manufacturer's installation instructions and recommendations, but not less than recommended by "The National Roofing Contractor's Association (NRCA) Steep Roofing Manual."
- B. Install underlayment and asphalt shingles beginning at lower end. Fasten shingles in pattern, with weather exposure, and using number of fasteners per shingle as recommended by manufacturer. Use vertical and horizontal chalk lines or pre-marked underlayment to ensure straight coursing.
 - 1. Cut and fit asphalt shingles at ridges and edges to provide maximum weather protection. Provide same weather exposure at ridges as specified for roof. Lap shingles at ridges to shed water away from direction of prevailing wind. Fasteners at ridges shall be of sufficient length to penetrate sheathing as specified.
 - 2. **Pattern:** spacing offset at succeeding courses.
- C. **Flashing:** Install metal flashing as indicated and in accordance with details and recommendations of the "Asphalt Roofing" section of "The NRCA Steep Roofing Manual."
- D. **Perimeter Underlayment:** Extend from eaves to 24" inside exterior wall line.

3.4 ADJUSTING

- A. Replace any damaged materials installed under this Section with new materials meeting specified requirements.

END OF SECTION 07311

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SECTION 07710 – MANUFACTURED ROOF SPECIALTIES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Provide continuous soffit vent on both eaves of the trash corral shed as specified herein.
- B. Provide a multi-part aluminum coping system around the perimeter of the trash corral walls as specified herein.
- C. Provide concealed ridge vent along the trash corral shed roof ridgeline as specified herein.

1.3 SUBMITTALS

- A. General: Submit the following:
 - 1. Product data for each type of product specified, including details of construction relative to materials, dimensions of individual components, profiles, textures, and colors.
 - 2. Samples for verification purposes in form 1' (min) length section of each type of material required.

1.4 QUALITY ASSURANCE

- A. **Fire Performance Characteristics:** Provide products that are identical to those tested for the specified fire performance characteristics by UL or other testing and inspecting organizations acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing and inspecting organization.
 - 1. **Fire Resistance Ratings:** As indicated by reference to design designations in UL Fire Resistance Directory.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in manufacturer's unopened bundles or containers with labels intact.
- B. Handle and store materials at Project site to prevent water damage, staining, or other physical damage. Store roll goods on end. Comply with manufacturer's recommendations for job site storage, handling, and protection.

1.6 PROJECT CONDITIONS

- B. **Weather Conditions:** Proceed with work only when existing and forecasted weather conditions will permit work to be installed in compliance with manufacturer's recommendations.

1.7 EXTRA MATERIALS

- B. Deliver extra materials to the State. Furnish extra materials matching products installed as described below, packaged with protective covering for storage and identified with labels clearly describing contents.

1.8 WARRANTY

- A. Warranty period to be standard manufacturer's warranty.

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SECTION 07710 – MANUFACTURED ROOF SPECIALTIES (cont'd)

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. **Manufacturer:** Subject to compliance with requirements, provide aluminum coping:
Perlok 90 Parapet Wall Coping, Performance Roof Systems, Inc., Kansas City, Mo.
Or equal.

2.2 ALUMINUM COPING

- A. Color shall be dark brown to match existing, or as selected by owner based on material samples.

2.3 SOFFIT VENT

- A. Color shall be dark brown to match existing, or as selected by owner based on material samples.

2.4 ACCESSORIES

- A. **Nails:** Aluminum or hot-dip galvanized steel, 11- or 12-gage, sharp-pointed, conventional roofing nails with barbed shanks, minimum 3/8" (10 mm) diameter head, and of sufficient length to penetrate 3/4" (19 mm) into solid decking or to penetrate through plywood sheathing. Material or nails in contact with flashing shall match materials selected for flashing to prevent galvanic action.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate for compliance with requirements for substrates, installation tolerances, and other conditions affecting performance of work of this Section. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.
B. Coordinate installation with CMU wall construction, flashings and other adjoining work to ensure proper sequencing.

3.3 INSTALLATION

- A. Comply with manufacturer's installation instructions and recommendations.

3.4 ADJUSTING

- A. Replace any damaged materials installed under this Section with new materials meeting specified requirements.

END OF SECTION 07710

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SECTION 08110 – STEEL ENTRY DOORS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Provide dual swing exterior door units of the following commercial quality applications as specified herein.
 - 1. “Commercial Doors – Level 2 Heavy Duty.”

1.02 SUBMITTALS

- A. **Shop Drawings:** Show application to project.
- B. **Product Data:** Catalog sheets, specifications, and installation instructions for door units.
- C. **Samples:** One complete door unit. This sample will be returned and if approved may be used in the Work.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. **Manufacturer:** Subject to compliance with requirements, provide standard steel doors and frames by one of the following:

Standard Steel Doors and Frames:

- a. Deansteel Manufacturing Co.
- b. Kewanee Corp.
- c. Mesker Door Co.
- d. Republic Builders Products
- e. Steelcraft Manufacturing Co.

2.02 DOOR UNITS

- A. Provide exterior doors in accordance with ANSI/SDI A250.8 and in the configuration and size to match the existing trash corral shed entry. Door shall be level 2 – heavy duty, 1-3/4” thickness.
- B. **Materials:** Level Aluminum extrusions; 6063-T52.
- C. **End closure:** The top and bottom of the doors shall be closed with channels or closures. The channels or closures shall have a minimum material thickness of 0.042 inch.
- D. **Core:** Provide in accordance with ANSI/SDI A250.8.
- E. **Door edge design:** Provide in accordance with ANSI/SDI A250.8.
- F. Minimum hardware reinforcing gages shall comply with Table 4 of ANSI/SDI A250.8.
- E. **Hardware:** Manufacturer’s standard stainless steel hardware for door quality specified herein. Coordinate hardware for operation indicated on the Drawings.
- F. **Finish:** Factory-applied, rust-inhibitive meeting the standards of ANSI/SDI A250.3. Color shall be as selected by owner (match existing door color).

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2.03 DOOR FRAMES

- A. Provide Levels and Models in accordance with ANSI/SDI A250.8 to match the existing trash corral doors.
- B. **Exterior frames:** Provide in accordance with ANSI/SDI A250.8 in the frame configuration and depth as indicated on the Drawings. Minimum thickness as follows:
 - 1. **Level 2 Heavy duty:** For use with:
 - a. Door Model 1 (full flush design): 0.053 inch minimum steel frame thickness.
 - b. Door Model 2 (seamless design): 0.053 inch minimum steel frame thickness.
- C. Provide face welded type frames unless otherwise indicated.
- D. Provide frames, other than slip-on drywall type with a minimum of three anchors per jamb suitable for the adjoining wall construction. Provide anchors of not less than 0.042 inch in thickness or 0.167 inch diameter wire. Frames over 7 feet 6 inches shall be provided with an additional anchor per jamb.
- E. Slip-on drywall frame anchors shall be as provided by the manufacturer to assure performance specified.
- F. Base anchors shall be provided, other than slip-on drywall type, with minimum thickness of 0.042 inch. For existing masonry wall conditions that do not allow for the use of a floor anchor, an additional jamb anchor shall be provided.
- G. Prepare all frames for all mortise template hardware and reinforced only for surface mounted hardware. Drilling and/or tapping shall be completed by others.
- H. Minimum hardware reinforcing gages shall comply with Table 4 of ANSI/SDI A250.8.

PART 3 - EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify all governing door dimensions with existing frame or opening dimensions before door fabrication.

3.02 INSTALLATION

- A. Install Work of this Section in strict accordance with the manufacturer's printed installation instructions, except as shown or specified otherwise.
- B. Prepare frames for hardware.
- C. Lubricate all operating hardware and adjust hardware for perfect door operation.

END OF SECTION 08110

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SECTION 08710 - FINISH HARDWARE

PART 1 - GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 08200: Wood Doors

1.02 SUBMITTALS

- A. **Submittals Package:** Submit the finish hardware schedule and product data, specified below, at the same time as a package.
- B. **Hardware Schedule:** Include all finish hardware required to complete the Work of this Section.
 - 1. Arrange schedule in groups, each group consisting of similar doors and hardware.
 - 2. Furnish a list of the manufacturers of items included in the hardware schedule.
 - 3. Index the hardware schedule.
 - 4. Include keying instructions and a keying schedule.
 - 5. Product quantities will not be checked for accuracy.
- C. **Product Data:** For information only, furnish two copies of the manufacturers' catalog cuts covering all finish hardware required to complete the Work of this Section.

1.03 TEMPLATES

- A. Furnish required templates to the affected trades, to enable the fabricators to make proper provision for finish hardware without delaying progress of the Project.

1.04 DELIVERY AND STORAGE

- A. **Packaging:** Hardware shall be completely packaged with all necessary fasteners, parts, instructions, and where necessary, templates. Each item shall be clearly labeled for identification and intended installation location.
- B. **Storage:** Store hardware in a dry secure location.

1.05 QUALITY ASSURANCE

- A. **Uniformity of Hardware and Single Source Responsibility:** Each kind of hardware (door closers, locks, hinges etc.) shall be the product(s) of a single manufacturer.
- B. **Installer's Qualifications:** The person(s) installing the finish hardware shall be personally experienced in finish hardware work and shall have been regularly employed by a Company installing finish hardware for a minimum of 3 years.

1.06 MAINTENANCE

- A. **Special Tools:** Furnish 2 of each special tool required to install the hardware for this project.

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SECTION 08710 - FINISH HARDWARE (cont'd)

PART 2 - PRODUCTS

2.01 FASTENINGS

- A. Pack hardware with screws, through bolts, and other fastening devices, required for proper application. Fastenings shall harmonize with the material and finish.
- B. Provide machine screws for hardware to be secured to metal; self-tapping screws are not acceptable. Provide machine screws and metal expansion shields for attachment to masonry substrates.
- C. Provide undercut (shallow head) screws where necessary for proper seating, with manufacturer's standard Phillips heads, except where security head screws are specified.
- D. Provide security head fasteners for exposed items of hardware (except full mortise hinges).

2.02 FASTENINGS

- A. Pack hardware with screws, through bolts, and other fastening devices, required for proper application. Fastenings shall harmonize with the material and finish.
- B. Provide Torx security head machine screws for hardware to be secured to metal; self-tapping screws are not acceptable. Provide Torx security head machine screws and metal expansion shields for attachment to masonry substrates.
- C. Provide undercut (shallow head) Torx security head screws where necessary for proper seating.
- D. Provide Torx security head fasteners for exposed items of hardware, including full mortise hinges.

2.03 FABRICATION

- A. **Size Variations:** Manufacturers' products may vary slightly from sizes specified except where minimum size or thickness is specified. Variations shall not prevent the product from performing the intended use.

2.04 FINISH HARDWARE

- A. **Exterior Doors:**
 - 1. **Hinges:** 3 - Stanley FBB179 – 4 ½" x 4 ½" (114 mm x 114 mm) x USP.
 - 2. **Lockset and Boltlock:** 1 - Yale CA5401 or approved equal, Stainless Steel Finish, Keyed Alike.

2.05 KEYING

- A. Obtain keying information from the owner.

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SECTION 08710 - FINISH HARDWARE (cont'd)

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install hardware in accordance with the manufacturer's printed instructions, and adjust for smooth operation.
- B. Adjust existing related hardware as required for the proper operation of all the hardware.
- C. Use proper tools and methods to prevent scratches, burrs or other defacement.
- D. After installation, cover hardware with protective cloth or paper to prevent damage during remaining construction. Remove protection upon completion of construction.

3.02 LOCATIONS

- A. Locate hardware as follows:
 - 1. **Hinges:** Top hinge 5" from jamb rabbet to top edge of barrel; bottom hinge 10" from bottom edge of barrel to finished floor; intermediate hinge centered between top and bottom hinges.
 - 2. **Knobs:** Center line 38" from finished floor.
- B. Locate hardware to comply with the requirements of Steel Door Institute "Recommended Specifications for Standard Steel Doors and Frames" (SDI-100).

END OF SECTION 08710

ITEM 653.1100--25 - TRASH CORRAL

SECTION 09900 - PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, apply to this Section.

1.2 SUMMARY

- A. This Section includes surface preparation, painting, and finishing of exposed interior and exterior items and surfaces.
 - 1. Surface preparation, priming, and finish coats specified in this section are in addition to shop priming and surface treatment specified under other sections.
- B. Paint exposed surfaces as indicated on the drawings and designated in the painting schedule at the end of this specification. If color or finish is not designated, the Engineer will select from standard colors or finishes available.
- C. Painting is not required on prefinished items, finished metal surfaces, concealed surfaces, operating parts, and labels.
 - 1. **Labels:** Do not paint over Underwriter's Laboratories, Factory Mutual or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

1.3 DEFINITIONS

- A. Paint includes coating systems materials, primers, enamels, sealers and fillers, and other applied materials whether used as prime, intermediate, or finish coats.

1.4 SUBMITTALS

- A. **Product Data:** Manufacturer's technical information, label analysis, and application instructions for each material proposed for use.
 - 1. List each material and cross-reference the specific coating and finish system and application. Identify each material by the manufacturer's catalog number and general classification.
- B. Samples for initial color selection in the form of manufacturer's color charts.
 - 1. After color selection, the Engineer will furnish color chips for surfaces to be coated.

1.5 QUALITY ASSURANCE

- A. **Single-Source Responsibility:** Provide primers and undercoat paint produced by the same manufacturer as the finish coats.
- B. **Coordination of Work:** Review other sections in which primers are provided to ensure compatibility of the total systems for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
 - 1. Notify the Engineer of problems anticipated using the materials specified.

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SECTION 09900 – PAINTING (cont'd)

- C. **Material Quality:** Provide the manufacturer's best quality trade sale paint material of the various coating types specified. Paint material containers not displaying manufacturer's product identification will not be acceptable.
1. Federal Specifications establish a minimum quality level for paint materials, except where other product identification is used. Provide written certification from the manufacturer that materials provided meet or exceed these criteria.
 2. Products that comply with qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use when acceptable to the Engineer. Furnish material data and manufacturer's certificate of performance to Engineer for proposed substitutions.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the job site in the manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
1. Product name or title of material.
 2. Product description (generic classification or binder type).
 3. Federal Specification number, if applicable.
 4. Manufacturer's stock number and date of manufacture.
 5. Contents by volume, for pigment and vehicle constituents.
 6. Thinning instructions.
 7. Application instructions.
 8. Color name and number.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45°F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.
1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.7 JOB CONDITIONS

- A. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50°F and 90°F.
- B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45°F and 90°F.
- C. Do not apply paint in snow, rain, fog, or mist, when the relative humidity exceeds 85 percent, at temperatures less than 5°F above the dew point, or to damp or wet surfaces.
1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by the manufacturer during application and drying periods.

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SECTION 09900 – PAINTING (cont'd)

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. **Manufacturer:** Subject to compliance with requirements, provide products of one of the following:
1. Devoe and Raynolds Co., (Devoe), Louisville, KY
 2. The Glidden Company (Glidden), Cleveland, OH
 3. Benjamin Moore and Co., (Moore), Montvale, NJ
 4. PPG Industries, (Pittsburgh), Pittsburgh, PA
 5. Pratt and Lambert (P & L), Buffalo, NY
 6. The Sherwin-Williams Co., (S-W), Cleveland, OH

2.2 PRIMERS

- A. **Exterior Primer Coating:** Exterior alkyd wood primer for priming wood under alkyd gloss enamels, flat lusterless finish, and wood trim under medium shade or deep color high-gloss alkyds:
1. **Devoe:** 1102 All-Weather Alkyd House Paint Primer.
 2. **Glidden:** 1951 Spred Gel-Flo Base Coat.
 3. **Moore:** Moorwhite Primer #100
 4. **Pittsburgh:** 1-70 or 1-870 Sun-Proof Exterior Wood Primer.
 5. **P & L:** Permalize Exterior Primer
 6. **S-W:** A-100 Exterior Alkyd Wood Primer Y24W20.
- B. **Synthetic Rust-Inhibiting Primer:** Quick-drying, rust-inhibiting primer for priming ferrous metal on the interior under odorless alkyd semi-gloss enamels:
1. **Devoe:** 14920 Bar-Ox Quick Dry Metal Primer, Red.
 2. **Glidden:** 5210 Glid-Guard Universal Fast-Dry Metal Primer.
 3. **Moore:** Ironclad Retardo Rust-Inhibitive Paint #163.
 4. **Pittsburgh:** 6-208 Red Inhibitive Metal Primer.
 5. **P & L:** Effecto Rust-Inhibiting Primer.
 6. **S-W:** Kem Kromik Metal Primer B50N2/B50W1.

2.3 UNDERCOAT MATERIALS

- A. **Interior Enamel Undercoat:** Ready-mixed enamel for use as an undercoat over wood and hardboard under an odorless alkyd semi-gloss enamel or full gloss alkyd enamel:
1. **Devoe:** 8801 Velour Alkyd Enamel Undercoat
 2. **Glidden:** 310 Glidden Wood Undercoater
 3. **Moore:** Moore[®] Alkyd Enamel Underbody #217
 4. **Pittsburgh:** 6-6 Speedhide Quick-Dry Enamel Undercoater
 5. **P & L:** Interior Trim Primer
 6. **S-W:** Pro-Mar 200 Alkyd Enamel Undercoater B49W200
- B. **Interior Enamel Undercoat:** Ready-mixed enamel for use as an undercoat over a primer on ferrous or zinc-coated metal under an interior alkyd semi-gloss enamel or a full-gloss alkyd enamel:
1. **Devoe:** 8801 Velour Alkyd Enamel Undercoater
 2. **Glidden:** 4200 Spred Ultra Semi-Gloss Enamel
 3. **Moore:** Moore[®] Alkyd Enamel Underbody #217
 4. **Pittsburgh:** 6-6 Speedhide Quick-Dry Enamel Undercoater
 5. **P & L:** Interior Trim Primer
 6. **S-W:** Pro-Mar 200 Alkyd Enamel Undercoater B49W200.

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SECTION 09900 – PAINTING (cont'd)

2.4 EXTERIOR FINISH PAINT MATERIAL

- A. **Deep Color Alkyd Resin Exterior Trim Paint:** Deep color, ready-mixed alkyd paint for use on the exterior over prime-coated wood trim, doors, and shutters:
1. **Devoe:** 155 All-Weather Exterior Alkyd Gloss House and Trim Paint Ultra Deep Base
 2. **Glidden:** 1901 Spred Dura Gloss Oil House Paint
 3. **Moore:** Moore[S]House Paint #110
 4. **Pittsburgh:** 1 Line Sun-Proof Deeptone or Rustic Base Wood Finish
 5. **P & L:** Effecto Enamel
 6. **S-W:** SWP Exterior Gloss Finish A-2 Series
- B. **Alkyd Gloss Enamel:** Weather-resistant high-gloss enamel for use over primed, zinc-coated (galvanized) metal surfaces and aluminum:
1. **Devoe:** 70XX Mirrolac Interior/Exterior Alkyd Gloss Enamel
 2. **Glidden:** 4500-Line Glid-Guard Industrial Enamel
 3. **Moore:** Impervo High-Gloss Enamel #133
 4. **Pittsburgh:** 54 Line Quick-Dry Enamel
 5. **P & L:** Effecto Enamel
 6. **S-W:** Metalastic II Enamel B-53 Series

2.5 INTERIOR FINISH PAINT MATERIAL

- A. **Interior Semi-gloss Odorless Alkyd Enamel:** Low-odor, semi-gloss, alkyd enamel for use over a primer and undercoat on concrete, masonry (including concrete masonry block), plaster, wood, and hardboard and both ferrous and zinc-coated (galvanized) metal surfaces and over a primer on gypsum drywall.
1. **Devoe:** 26XX Velour Alkyd Semigloss Enamel
 2. **Glidden:** 4200 Spred Ultra Semigloss Enamel
 3. **Moore:** Moore[S]Satin Impervo Enamel #235
 4. **Pittsburgh:** 27 Line Wallhide Semigloss Enamel
 5. **P & L:** Cellu-Tone Alkyd Satin Enamel
 6. **S-W:** Classic 99 Semigloss Enamel A40 Series
- B. Exterior alkyd gloss enamel for use over a primer and undercoat on interior plaster surfaces, wood, and hardboard and ferrous and zinc-coated metal surfaces:
1. **Devoe:** 70XX Mirrolac Interior/Exterior Alkyd Gloss Enamel
 2. **Glidden:** 4500 Glid-Guard Industrial Enamel
 3. **Moore:** Impervo High-Gloss Enamel #133
 4. **Pittsburgh:** 54 Line Quick-Dry Enamel
 5. **P & L:** Effecto Enamel
 6. **S-W:** Industrial Enamel B-54 Series

2.6 MISCELLANEOUS WOOD FINISHING MATERIALS

- A. **Varnish-Type Surface Sealer:** Sealer for open-grain wood for use as a surface sealer over exterior plywood before application of a prime coat:
1. **Glidden:** Y-3651 Spread House Paint Prime Coat
 2. **Pittsburgh:** 77-1 Rez Sealer-Primer
 3. **P & L:** Varmor Penetrating Sealer
 4. **S-W:** Chek Gard Primer B42W10

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SECTION 09900 – PAINTING (cont'd)

- B. **Paste Wood Filler:** Solvent-based, air-drying, paste-type wood filler for use on open-grain wood on interior wood surfaces:
1. **Devco:** 4800 Wonder Woodstain Interior Paste Wood Filler
 2. **Glidden:** Glidden Paste Wood Filler
 3. **Moore:** Benwood Paste Wood Filler
 4. **Pittsburgh:** (None Required)
 5. **S-W:** Sher-Wood Fast-Dry Filler

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions under which painting will be performed for compliance with requirements for application of paint. Do not begin paint application until unsatisfactory conditions have been corrected.
1. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.

3.2 PREPARATION

- A. **General Procedures:** Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items in place that are not to be painted, or provide surface-applied protection prior to surface preparation and painting. Remove these items if necessary for complete painting of the items and adjacent surfaces. Following completion of painting operations in each space or area, have items reinstalled by workers skilled in the trades involved.
1. Clean surfaces before applying paint or surface treatments. Remove oil and grease prior to cleaning. Schedule cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- B. **Surface Preparation:** Clean and prepare surfaces to be painted in accordance with the manufacturer's instructions for each particular substrate condition and as specified.
1. Provide barrier coats over incompatible primers or remove and re-prime. Notify Engineer in writing of problems anticipated with using the specified finish-coat material with substrates primed by others.
 2. **Wood:** Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
 - a. Scrape and clean small, dry, seasoned knots and apply a thin coat of white shellac or other recommended knot sealer before application of primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
 - b. Prime, stain, or seal wood to be painted immediately upon delivery. Prime edges, ends, faces, undersides, and backsides of wood, including cabinets, counters, cases, and paneling.
 - c. When transparent finish is required, backprime with spar varnish.
 - d. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on backside.
 - e. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately upon delivery.

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SECTION 09900 – PAINTING (cont'd)

- C. **Materials Preparation:** Carefully mix and prepare paint materials in accordance with manufacturer's directions.
1. Maintain containers used in mixing and application of paint in a clean condition, free of foreign materials and residue.
 2. Stir material before application to produce a mixture of uniform density; stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.
 3. Use only thinners approved by the paint manufacturer, and only within recommended limits.

3.3 APPLICATION

- A. Apply paint in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.
- B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
1. Paint colors, surface treatments, and finishes are indicated in paint schedule at the end of this specification.
 2. Provide finish coats that are compatible with primers used.
 3. The number of coats and film thickness required is the same regardless of the application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. Sand between applications where sanding is required to produce an even smooth surface in accordance with the manufacturer's directions.
 4. Apply additional coats when undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.
 5. Finish exterior doors on tops, bottoms, and side edges same as exterior faces.
 6. Sand lightly, clean, or wipe down between each succeeding enamel or varnish coat.
 7. Omit primer on metal surfaces that have been shop-primed and touch up painted.
- C. **Scheduling Painting:** Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practical after preparation and before subsequent surface deterioration.
1. Allow sufficient time between successive coats to permit proper drying. Do not recoat until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure and where application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.
- D. **Minimum Coating Thickness:** Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as recommended by the manufacturer.
- E. **Prime Coats:** Before application of finish coats, apply a prime coat of material as recommended by the manufacturer to material that is required to be painted or finished and has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to assure a finish coat with no burn through or other defects due to insufficient sealing.

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SECTION 09900 – PAINTING (cont'd)

- F. **Pigmented (Opaque) Finishes:** Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.
- G. **Completed Work:** Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not in compliance with specified requirements.

3.4 CLEANING

- A. **Cleanup:** At the end of each work day, remove empty cans, rags, rubbish, and other discarded paint materials from the site.
- B. Upon completion of painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping, using care not to scratch or damage adjacent finished surfaces.

3.5 PROTECTION

- A. Protect work of other trades, whether to be painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as acceptable to the Engineer.
- B. Provide “WET PAINT” signs to protect newly painted finishes. Remove temporary protective wrappings provided by others for protection of their work after completion of painting operations.
 - 1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINT SCHEDULE

- A. **General:** Provide the following paint systems for the various substrates indicated.
- B. **Wood Siding:**
 - 1. **Flat Finish:** 2 finish coats over primer.
 - a. **Primer:** Exterior alkyd wood primer.
 - b. **First Coat:** Exterior acrylic emulsion.
 - c. **Second Coat:** Exterior Acrylic emulsion.
- C. **Wood Trim:**
 - 1. Powerhouse window restoration to include repair of deteriorated window components with epoxy wood repair products and thickeners.
 - 2. **Deep Color, High-Gloss Alkyd Finish:** 2 finish coats over primer.
 - a. **Primer:** Exterior Primer Coating.
 - b. **First Coat:** Deep Color Alkyd Resin Exterior Trim Paint.
 - c. **Second Coat:** Deep Color Alkyd Resin Exterior Trim Paint.
- D. **Zinc-Coated Metal:**
 - 1. **Semi-Gloss Alkyd Enamel:** 2 finish coats over primer.
 - a. **Primer:** Galvanized Metal Primer.
 - b. **First Coat:** Alkyd Semi-Gloss Enamel.
 - c. **Second Coat:** Alkyd Semi-Gloss Enamel.

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SECTION 09900 – PAINTING (cont'd)

3.7 INTERIOR PAINT SCHEDULE

- A. Paint is not required on interior surfaces.

END OF SECTION 09900