

ADDENDUM:

3

TODAY'S DATE:

04.03.23

PROJECT NAME: NORTHWOOD SQUARE SITE AND STORAGE

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This Addendum is used to Identify Items in the Original Documents with Action as Follows:

BID

RFQ

RFP

CLARIFY

CHANGE

DELETE

ADD

SUBSTITUTE

 8 **Page(s) Total for this Addenda including this page.**

ADD: Specification section 099100- Painting to bid documents .

END OF ADDENDA # 3

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Painting of fiber cement siding, fiber cement fascia boards, fiber cement barge boards, fiber cement trim, wood trim, fiber cement soffits, fiber glass entrance doors and other exterior surfaces as required for a complete paint job. Work includes:
 - a. Surface preparation.
 - b. Field applied primers, sealers, coatings and paints.
 - c. Pre-paint off-site all interior finish trim.
 - d. Painting and coating schedule.

1.2 RELATED SECTIONS

- A. Section 062013 - Exterior Finish Carpentry
- B. Section 074646 - Fiber Cement Siding and Trim
- C. Section 079200 - Joint Sealants
- D. Section 081613 - Fiberglass Doors

1.3 REFERENCES

A. ASTM International (ASTM):

1. ASTM D523 - Standard Test Method for Specular Gloss.
2. ASTM D5324 - Standard Guide for Testing Water-Borne Architectural Coatings.

B. The Master Painters Institute (MPI): Tel 1-888-674-8937, Fax 1-888-211-8708, Email info@paintinfo.com , Web Site <http://www.paintinfo.com>

1. MPI Approved Product List.
2. MPI Architectural Painting Specification Manual.

C. United States Environmental Protection Agency (EPA):

1. EPA 40 CFR Part 59 (AD-FRL-6149-71 RIN 2060 - National Volatile Organic Compound Emission Standards for Architectural Coatings, Final Rule, Federal Register / Vol. 63, No.176, September 11, 1998/Rules and Regulations.)
2. Web Site <http://www.epa.gov/ttn/uatw/183e/aim/fr1191.txt>

1.4 COORDINATION

A. Pre-Installation Conference:

1. Attendance: Contractor, painting subcontractor, Owner and others as requested to attend.
2. Meeting Time: Minimum two (2)weeks before beginning work of this Section and work of related Sections affecting work of this Section and as necessary to meet Project Schedule.
3. Location: Project Site.

1.5 SUBMITTALS

A. Product Data: Provide in the same order as scheduled by this Section:

1. Manufacturer's Product Data Sheets for each product.
2. Product/Label Analysis for paint products:
 - a. Pigment and vehicle percentages by weight.
 - b. Pigment composition analysis, including fillers in percent by weight.

- c. Vehicle composition analysis, including resins, solvents and additives by weight.
 - 3. Material Data Safety Sheets (MSDS):
 - a. Solvents, driers, additives and fillers.
 - b. Volatile organic compounds (VOC) emissions in grams per liter.
 - B. Chip Color Samples: Manufacturer’s complete selection.
 - C. Paint Drawdown Color Samples: Size not less than 8 by 10 (8”x10”) inch draw-down for each color selected for final acceptance prior to beginning work.
 - 1. Label back of each drawdown with manufacturer, product, color name and number, and gloss level.
 - 2. Furnish additional samples as required for acceptance of colors, finishes and textures.
 - 3. Retain approved samples for reference.
- 1.6 CLOSEOUT SUBMITTALS
 - A. Maintenance Data: Product data sheets, manufacturer’s application instructions, MSDS, product color name and number, cleaning instructions and spot repair and repaint instructions.
 - B. Invoices and other data as necessary to verify quantities of each paint product suitable for coverage in conformance to manufacturer’s instructions.
- 1.7 MAINTENANCE MATERIAL SUBMITTALS
 - A. Minimum one (1) gallon of each paint and coating type and color.
 - B. Identify each container as to manufacturer, product, color name, and number with minimum five (5”) inch press type. Tape over with clear tape.
 - C. Include manufacturer’s instructions and MSDS for each product submitted
 - D. Turn over to Owner prior to project completion. Obtain signed receipt.
- 1.8 QUALITY ASSURANCE
 - A. Manufacturer Qualifications:
 - 1. Manufacturer: Employ full time, locally available architectural product representative, technical field representative, testing equipment and services as necessary to perform inspections and to determine compliance with manufacturer’s instructions and provisions of Contract Documents.
 - B. Applicator Qualifications:
 - 1. Able to document minimum ten (10) years continuous experience in commercial quality projects of similar type and scope.
 - 2. Employ qualified journeymen painters with apprentices under direction of qualified journeymen, conforming to trade regulations.
 - C. Field Samples:
 - 1. Minimum three (3), ten (10) square foot area field sample for each accepted color and substrate type. Provide as a step-down field sample, showing each step of system, including surface preparation.
 - 2. Locate as accepted by Owner.
 - 3. Protect and retain accepted field samples as standard of quality for work of this Section.
 - 4. Accepted field samples may be incorporated into finished work.
 - D. Work of this Section to be performed by or under direct supervision of one (1) installer.

- E. A pre-application meeting per General Requirements is required between all parties including painting Sub-contractor, Contractor, paint manufacturer's representative and Owner before work of these sections begin.

1.9 DELIVERY, STORAGE AND HANDLING

- A. Conform to manufacturer's instructions.
- B. Deliver in unopened, sealed containers, bearing manufacturer's original labels with manufacturer's brand name, product name and number, color designation, surface preparation, mixing and reducing instructions, coverage, drying time, clean-up instructions, MSDS and VOC content. Include invoice statements showing quantities of each paint product. Submit to Owner upon request as a means to verify quantities suitable for coverage.
- C. Store and utilize paint in original containers bearing manufacturer's label for ease of identification. Do not put paint in containers bearing labels for other products.
- D. Store at ambient temperature between 45 degrees F and 90 degrees F. Store and mix material outside building.
- E. Take special safety precautions against hazards from toxic and flammable materials.
- F. Place paint and solvent contaminated cloths and materials, subject to spontaneous combustion, in containers and remove from job site each day.

1.10 FIELD CONDITIONS

- A. Environmental Requirements: Do not apply paints and coatings at surface and air temperatures below 50 degrees F, except as specified by this Section or as instructed or approved by manufacturer.
- B. Weather: Do not apply exterior coatings when precipitation is predicted or appears imminent.
- C. Ventilation: Maintain continuous air exchange ventilation. Move moisture, odors and fumes from painting to outside of building.
- D. Illumination: Maintain lighting level of 50 foot candles measured at mid height at substrate surfaces.

1.11 WARRANTY

- A. Manufacturer: Five (5) year materials warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. The following manufacturers are acceptable: Benjamin Moore, Kelly-Moore, Miller Paint Company, Rodda Paint, Cloverdale and Sherwin-Williams. Benjamin Moore products are specified as the basis of design.
- B. Substitution Requests: Submit for acceptance under provisions of Section 016000 Product Requirements.
 - 1. Indicate that manufacturer will conform to specified Qualifications, including requirement for manufacturer to employ and maintain full time architectural product representatives, technical field representatives and testing equipment.
 - 2. Product/Label Analysis: Submit indicating pigments and vehicles in percentages by weight and composition breakdown of pigments and vehicles in percentages by weight.

2.2 PERFORMANCE CRITERIA

- A. Single Source Responsibility: Supply primers, intermediate and finish coats for each paint and coating system from a single manufacturer, except as otherwise specified.

- B. Surface Preparation: Conform to MPI Architectural Painting Specifications Manual, SSPC, manufacturer’s instructions and provisions of this Section for work as needed to prepare substrates to be free of conditions that may impair adhesion and uniformity.
 - 1. Remove bond breakers, dust, foreign matter and surface irregularities.
 - 2. Prepare to prevent bleed-through of substrate material.
- C. Paint System Application: Conform to MPI Architectural Painting Specifications Manual and manufacturer’s instructions.
 - 1. Paint Grade: Conform to Premium Grade, except as otherwise specified.
 - a. Minimum one (1) primer coat and two (2) finish coats, except as otherwise specified.
 - b. Additional coats as necessary to cover with no holidays or other surface imperfections.
 - 2. Dry film thickness (DFT) and wet film thickness (WFT), as instructed by manufacturer.

2.3 MATERIALS

- A. Painting and Coating Schedule: Refer to Schedule at end of this Section for products specified for specific finishes.
- B. Surfaces Not Scheduled for Paints and Coatings: Where unscheduled surfaces are discovered following Bid, assume premium commercial quality paint or coating, meeting or exceeding Approved Product List, and as instructed by manufacturer’s technical representative. Submit to Owner for acceptance prior to beginning work.
- C. Coatings: Ready mixed, except catalyzed coatings. Process pigments to consistency for uniform and homogeneous coatings, good flow and brushing qualities, drying or curing free of streaks and sags.

2.4 GLOSS AND SHEEN LEVELS

- A. Conform to Gloss and Sheen Levels as tested in accordance with ASTM D523, regardless of that stated by manufacturer product data and shown on paint containers.

GLOSS AND SHEEN LEVELS		GLOSS @ 60 DEGREES	SHEEN @ 85 DEGREES
Gloss Level 1	Matt or Flat	Maximum 5 Units	Maximum 10 Units
Gloss Level 2	Low Sheen	Maximum 10 Units	10 to 35 Units
Gloss Level 3	Eggshell	10 to 25 Units	10 to 35 Units
Gloss Level 4	Satin	20 to 35 Units	Minimum 35 Units
Gloss Level 5	Semi-Gloss	35 to 70 Units	(N/A)
Gloss Level 6	Gloss	70 to 85 Units	(N/A)
Gloss Level 7	High Gloss	More than 85 Units	(N/A)

2.5 FINISHES AND COLORS

- A. Field Painting Product Systems and Gloss Levels: As Schedules this Section.
- B. Paint and Stain Colors: Match paint colors at existing building from paint drawdown, as accepted by Owner.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify conditions ready to receive work of this Section before beginning work.
- B. Arrange for adequate lighting, temporary heat, and ventilation.
- C. Maximum Moisture Content of Substrates: Conform to manufacturer’s instructions and guidelines. Perform tests using commercial quality electronic moisture meter. Where exceeding following values, promptly notify Owner and obtain direction before beginning work.

1. Exterior Wood: Fifteen (15%) percent.

3.2 MATERIALS TO BE FINISHED

- A. Prepare and finish surfaces of materials, except as specifically excluded or otherwise specified.
- B. Field paint exposed-to-view surfaces, whether or not indicated to receive coatings, except where specifically excluded by Contract Documents.

3.3 MATERIALS NOT TO BE FINISHED

- A. Refer to Finish Schedule for rooms or areas not required to be field painted.
- B. Metals: Brass, bronze, copper, stainless steel, pre-finished metal and plated metals other than galvanized metal, except as specifically indicated.
- C. Plastic laminate, melamine and other finished plastic surfacing.
- D. Roofing, masonry, stone and concrete, except as otherwise indicated.
- E. Glass and clear plastic, except as otherwise indicated.
- F. Substrates with specified factory-applied colored finishes and normally unfinished substrates:
 1. Includes: Door hardware, electrical switch plates, fabrics, tackboards, porcelain enameled metal fabrications and lighting fixtures.
 2. Exception: Wire mold and other normally prefinished items mounted on surfaces receiving coatings: Paint out to match and blend with field surface.
- G. Inaccessible materials permanently enclosed behind building construction and structural components.

3.4 SURFACE PREPARATION UNDER WORK OF OTHER SECTIONS

- A. Field Substrate Preparation Specified Under Work of Related Sections: Crack free, finished, clean as needed to make substrates suitable for primers and finished coats specified for work of this Section, except minimal spot filling, spackling and other preparation normally performed by work of this Section.

3.5 SURFACE PREPARATION PROCEDURES

- A. Conform to:
 1. MPI Architectural Painting Specification Manual, Surface Preparation.
 2. SSPC- Surface Preparation Procedures.
 3. Manufacturer's instructions.
 4. Contract Document provisions.
- B. Wood Products Receiving Opaque Finishes:
 1. Clean to remove dirt, bond breakers and all material that is not suitable for paint adhesion to substrate. Remove and replace rotten, cracked, delaminated or water damaged wood prior to applying prime coat.
 2. Scape and sand smooth all knots and pitch streaks prior to applying prime coat.
 3. Remove loose and peeling paint. Sand surface smooth.
 4. Sand hard glossy surfaces to create profile to promote adhesion of paint coating.
 5. Wipe off dust and minor grit prior to applying prime coat.
 6. Fill nail holes and fine cracks after primer has dried.
 7. Sand smooth and level with surface, ready for finish coat.
 8. Seal joints between wood surfaces specified - 079200.
 9. Maintain surface condition for subsequent finish coats.

3.6 RECOATING SURFACE PREPARATION

- A. Prepare existing coated substrates as needed to make suitable for work of this Section. Proceed as for new work following initial preparation conforming to Architectural Painting Specification Manual, Surface Preparation, manufacturer's instructions and Contract Document provisions.
- B. Wood, Prior to Recoating:
 - 1. Remove and clean existing deteriorated painted surface down to sound substrate, suitable for new coatings.
 - 2. Sand thick and sharp edges to make feather-edge transitions needed to prevent telegraphing through finished paint surface.
 - 3. Fill and patch checks, blemishes and deteriorated surfaces.

3.7 PROTECTION

- A. Take measures to protect surfaces not receiving work of this Section including protection from overspray, adjacent surfaces and downwind surfaces.
 - 1. Provide drop cloths, shields and protective equipment.
 - 2. Repair or replace damaged surfaces caused by failure to provide suitable protection.
- B. Remove or mask electrical outlets and switch plates, mechanical diffusers, escutcheons, registers, surface hardware, fittings, fastenings and other items not receiving coating system.
- C. Correct minor defects and clean substrate surfaces included under work of this Section.
- D. Remove coatings that exhibit surface defects or unsuitable surface adhesion.

3.8 APPLICATION

- A. Conform to manufacturer's instructions, Architectural Painting Specification Manual and provisions of Contract Documents.
- B. Conform to Premium Grade, including application of two (2) finish coats over prepared and primed substrates.
- C. Apply as many additional coats for complete coverage and for acceptable finished appearance, free of holidays and color irregularities.
- D. Back-roll, back-brush and perform other work as necessary to lay down gypsum board fuzz, push spray-applied coatings into surfaces, and to even out and make for smooth, uniform coated surfaces.
- E. Apply primer and each finish coat in slightly different hue as means to verify multiple coat coverage.
- F. Conform to manufacturer's instructions for wet film and dry film thickness of coatings.
 - 1. Verify wet film thickness (WFT) by use of wet film gage during application.
 - 2. Test dry film thickness (DFT) using Tooke or other accepted measuring device.

3.9 PATCHING

- A. Repair surfaces damaged during construction activities. Spot repair and refinish as necessary for finished appearance prior to Substantial Completion and Owner occupancy.

3.10 ADJUSTING

- A. Take measures as necessary and as directed by Owner to repair, prepare and recoat systems not conforming to Contract Document provisions.

3.11 CLEANING

- A. As Work proceeds, promptly remove spilled and splattered paint and coating products so as not to damage surfaces.

- B. Maintain premises free from unnecessary accumulation of tools, equipment, surplus materials and debris.
- C. At conclusion of work, thoroughly clean paint and coatings from surfaces not designated to be painted.
 - 1. Do not scratch or damage surfaces.
 - 2. Verify chemical compatibility of cleaners to materials to be cleaned.
- D. Leave premises neat and clean; free from debris and residue from work of this Section.
- E. Do not dump paint, stains, chemicals and clean/wash painting equipment anywhere in the landscaping around the building, site or property, including the adjoining property.

3.12 EXTERIOR PAINTING AND COATING SCHEDULE

- A. Exterior Finish for Fiber Cement Siding:
 - 1. Exterior Two (2)-Coat Acrylic Low Luster/Eggshell Finish (Gloss Level 2):
 - a. Benjamin Moore, Regal Select Exterior High Build, Low Lustre (401), two (2) coats
 - b. Color:
 - 1) Fiber Cement Lap Siding Color 1: BM 508 Tree Moss
 - 2) Fiber Cement Lap Siding Color 2: BM 303 Old World Romance
 - 3) Fiber Cement Trim (Door/Window & Fascia) Color 3: BM 1477 Deep Creek
 - 4) Fiber Cement Trim (Vertical Corner Trim): Match adjacent wall color
 - 5) Fiber Cement Soffit Panels: Match adjacent wall color
- B. Exterior Finish for Wood Trim:
 - 1. Exterior Two (2)-Coat Acrylic Low Luster/Eggshell Finish (Gloss Level 2):
 - a. Benjamin Moore, Regal Select Exterior High Build, Low Lustre (401), two (2) coats
 - b. Color: Match adjacent wall color
- C. Exterior Finish for Fiberglass Doors:
 - 1. Exterior Two (2)-Coat Acrylic Semi-Gloss/Soft Gloss (Gloss Level 5):
 - a. Benjamin Moore, Regal Select Exterior High Build, Soft Gloss (403), two (2) coats
 - b. Color 4: BM 2171-20 Fire Dance
 - c. Color 5: BM 124 Orange Appeal

END OF SECTION