

**ADDENDUM NUMBER THREE (3)**  
**BENTEH NUUTAH FOUR DIRECTIONS TENANT IMPROVEMENT**  
**SOUTHCENTRAL FOUNDATION – SCF21-1054**

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March 30, 2021

The following corrections, changes, additions, deletions, revisions, and/or clarifications are hereby made a part of the Contract Documents as issued by Southcentral Foundation on March 8, 2021. In the case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of one (1) page and three (3) attachments of twenty one (21) pages, for a total page count of twenty two (22). Documents are amended by the following additions (indicated by underlining) and deletions (indicated by strikethroughs):

**CHANGES TO REQUEST FOR PROPOSAL (RFP) – revised version issued via SCF website on 3-16-21.**

**Item No. RFP.1.**

**Section 3, Request for Proposal Details**

Page 4 of 14. Modify Section 3.9 Performance Bonds and Surety Deposits by adding “Bonding Requirements: All bidders shall submit a cashier’s check or a bid bond, using form AIA A310-2010, in the amount of five percent (5%) of the total sum of lines A and C-F on Exhibit B: Proposal Offer and Signature Page as reissued in Addendum #2. Bid Bond to be underwritten by a surety qualified to issue bonds in the State of Alaska guaranteeing the signing of the contract for construction in the amount of the Proposer’s offer as defined above. Successful bidder shall furnish a one hundred percent (100%) performance bond and a one hundred percent (100%) payment bond on forms AIA A312-2010 with a qualified corporate surety for construction services.”

**CHANGES TO DIVISION 01 GENERAL CONDITIONS AND PROJECT MANUAL**

**Item No. PM.1.**

**Project Manual**

Add attached section 05 12 00 Structural Steel.

**Item No. PM.2.**

**Section 07 81 00 Applied Fire Protection**

Replace section provided in 3-8-21 documents with attached Section 07 81 00 Applied Fire Protection.

**Item No. PM.3.**

**Project Manual**

Section 08 11 16 Interior Aluminum Doors and Frames add Section 3.1.a. “3. STC rating of 45.”

**Item No. PM.4.**

**Section 08 14 16 Flush Wood Doors**

Section 2.2 Performance Requirements Add item C as follows “Provide an STC rating of 45.”

**Item No. PM.5.**

**Project Manual**

Add attached Section 09 97 35 Dry Erase Coatings.

**END OF ADDENDUM NUMBER THREE**

**SECTION 051200 - STRUCTURAL STEEL FRAMING**

**1.0.0.1 SUMMARY**

**A. Section Includes:**

1. Structural steel.
2. Movable partition support beam frame
3. Shrinkage-resistant grout.

**B. Related Requirements:**

1. Section 051213 "Architecturally Exposed Structural Steel Framing" for additional requirements for architecturally exposed structural steel.
2. Section Section 099600 High-Performance Coatings for painting requirements.

**1.0.0.2 DEFINITIONS**

- A. Structural Steel:** Elements of the structural frame indicated on Drawings and as described in ANSI/AISC 303.

**1.0.0.3 COORDINATION**

- A.** Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.
- B.** Coordinate installation of anchorage items to be embedded in or attached to other construction without delaying the Work. Provide setting diagrams, sheet metal templates, instructions, and directions for installation.

**1.0.0.4 ACTION SUBMITTALS**

**A. Product Data:**

1. Structural-steel materials.

**B. Shop Drawings:** Show fabrication of structural-steel components.

1. Include details of cuts, connections, splices, camber, holes, and other pertinent data.
2. Include embedment Drawings.
3. Indicate welds by standard AWS symbols, distinguishing between shop and field welds, and show size, length, and type of each weld. Show backing bars that are to be removed and supplemental fillet welds where backing bars are to remain.

4. Indicate type, size, and length of bolts, distinguishing between shop and field bolts. Identify pretensioned and slip-critical, high-strength bolted connections.

#### 1.0.0.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials to permit easy access for inspection and identification. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect steel members and packaged materials from corrosion and deterioration.
  1. Do not store materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures. Repair or replace damaged materials or structures as directed.
- B. Store fasteners in a protected place in sealed containers with manufacturer's labels intact.
  1. Fasteners may be repackaged provided Owner's testing and inspecting agency observes repackaging and seals containers.
  2. Clean and relubricate bolts and nuts that become dry or rusty before use.
  3. Comply with manufacturers' written recommendations for cleaning and lubricating ASTM F3125/F3125M, Grade F1852 bolt assemblies and for retesting bolt assemblies after lubrication.

### PART 2 - PRODUCTS

#### 2.0.0.1 STRUCTURAL-STEEL MATERIALS

- A. W-Shapes: ASTM A992/A992M or ASTM A572/A572M, Grade 50
- B. Channels, Angles, M-Shapes, S-Shapes: ASTM A36/A36M
- C. Plate and Bar: ASTM A572/A572M, Grade 50
- D. Cold-Formed Hollow Structural Sections: ASTM A1085/ASTMA1085M] structural tubing.
- E. High-Strength A325 Bolts, Nuts, and Washers: ASTM F3125/F3125M, Grade A325 (Grade A325M), Type 1, heavy-hex steel structural bolts; ASTM A563, Grade DH (ASTM A563M, Class 10S), heavy-hex carbon-steel nuts; and ASTM F436/F436M, Type 1, hardened carbon-steel washers; all with plain finish.

#### 2.0.0.2 RODS

- A. Unheaded Anchor Rods: ASTM F1554, Grade 36 or Grade 55.
  1. Configuration: Straight or Hooked
  2. Nuts: ASTM A563 heavy-hex carbon steel.
  3. Plate Washers: ASTM A36/A36M carbon steel.

4. Washers: ASTM F436 Type 1, hardened carbon steel.
  5. Finish: Hot-dip zinc coating, ASTM A153/A153M, Class C or Mechanically deposited zinc coating, ASTM B695, Class 50.
- B. Headed Anchor Rods: ASTM F1554, Grade 36 or Grade 55
1. Nuts: ASTM A563 heavy-hex carbon steel.
  2. Plate Washers: ASTM A36/A36M carbon steel.
  3. Washers: ASTM F436 Type 1, hardened carbon steel.
  4. Finish: Hot-dip zinc coating, ASTM A153/A153M, Class C or Mechanically deposited zinc coating, ASTM B695, Class 50].
- C. Threaded Rods: ASTM A36/A36M
1. Nuts: ASTM A63 carbon steel.
  2. Washers: ASTM F436, Type 1, hardened ASTM A36/A36M carbon steel.
  3. Finish: Hot-dip zinc coating, ASTM A153/A153M, Class C or Mechanically deposited zinc coating, ASTM B695, Class 50.

#### 2.0.0.3 FABRICATION

- A. Structural Steel: Fabricate and assemble in shop to greatest extent possible. Fabricate in accordance with ANSI/AISC 303 and to ANSI/AISC 360.
1. Camber structural-steel members where indicated.
  2. Fabricate beams with rolling camber up.
  3. Identify high-strength structural steel in accordance with ASTM A6/A6M and maintain markings until structural-steel framing has been erected.
  4. Mark and match-mark materials for field assembly.
  5. Complete structural-steel assemblies, including welding of units, before starting shop-priming operations.
- B. Thermal Cutting: Perform thermal cutting by machine to greatest extent possible.
1. Plane thermally cut edges to be welded to comply with requirements in AWS D1.1/D1.1M.
- C. Bolt Holes: Cut or drill standard bolt holes perpendicular to metal surfaces.
- D. Finishing: Accurately finish ends of columns and other members transmitting bearing loads.

#### 2.0.0.4 SHOP PRIMING

- A. Shop prime steel surfaces

- B. Priming: Immediately after surface preparation, apply primer in accordance with manufacturer's written instructions and at rate recommended by SSPC to provide a minimum dry film thickness of 1.5 mils. Use priming methods that result in full coverage of joints, corners, edges, and exposed surfaces.
  - 1. Stripe paint corners, crevices, bolts, welds, and sharp edges.
  - 2. Apply two coats of shop paint to surfaces that are inaccessible after assembly or erection. Change color of second coat to distinguish it from first.

### **PART 3 - EXECUTION**

#### **3.0.0.1 EXAMINATION**

- A. Verify elevations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments for compliance with requirements.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### **3.0.0.2 PREPARATION**

- A. Provide temporary shores, guys, braces, and other supports during erection to keep structural steel secure, plumb, and in alignment against temporary construction loads and loads equal in intensity to design loads. Remove temporary supports when permanent structural steel, connections, and bracing are in place unless otherwise indicated on Drawings.

#### **3.0.0.3 ERECTION**

- A. Set structural steel accurately in locations and to elevations indicated and in accordance with ANSI/AISC 303 and ANSI/AISC 360.
- B. Baseplates: Clean concrete- and masonry-bearing surfaces of bond-reducing materials, and roughen surfaces prior to setting plates. Clean bottom surface of plates.
- C. Maintain erection tolerances of structural steel within ANSI/AISC 303.
- D. Align and adjust various members that form part of complete frame or structure before permanently fastening. Before assembly, clean bearing surfaces and other surfaces that are in permanent contact with members. Perform necessary adjustments to compensate for discrepancies in elevations and alignment.
  - 1. Level and plumb individual members of structure.
  - 2. Make allowances for difference between temperature at time of erection and mean temperature when structure is completed and in service.
- E. Do not use thermal cutting during erection.
- F. Do not enlarge unfair holes in members by burning or using drift pins. Ream holes that must be enlarged to admit bolts.

#### 3.0.0.4 FIELD CONNECTIONS

- A. Bolts: Install bolts in accordance with RCSC's "Specification for Structural Joints Using High-Strength Bolts" for bolt and joint type specified.
  - 1. Joint Type: Snug tightened.
- B. Weld Connections: Comply with AWS D1.1/D1.1M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
  - 1. Comply with ANSI/AISC 303 and ANSI/AISC 360 for bearing, alignment, adequacy of temporary connections, and removal of paint on surfaces adjacent to field welds.

#### 3.0.0.5 FIELD QUALITY CONTROL

- A. Special Inspections: Owner may engage a special inspector to perform the following special inspections:
  - 1. Verify structural-steel materials and inspect steel frame joint details.
  - 2. Verify weld materials and inspect welds.
  - 3. Verify connection materials and inspect high-strength bolted connections.

END OF SECTION 051200

SECTION 078100 - APPLIED FIRE PROTECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
  - 1. Sprayed fire-resistive materials.

1.3 DEFINITIONS

- A. SFRM: Sprayed fire-resistive materials.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
  - 1. Review products, design ratings, restrained and unrestrained conditions, densities, thicknesses, bond strengths, and other performance requirements.

1.5 ACTION SUBMITTALS

- A. Product Data: For the following:
  - 1. Sprayed fire-resistive material.
  - 2. Substrate primers.
  - 3. Bonding agent.
  - 4. Sealer.
  - 5. Topcoat.
- B. Shop Drawings: Framing plans or schedules, or both, indicating the following:
  - 1. Extent of fire protection for each construction and fire-resistance rating.
  - 2. Applicable fire-resistance design designations of a qualified testing and inspecting agency acceptable to authorities having jurisdiction.
  - 3. Minimum sprayed fire-resistive material thicknesses needed to achieve required fire-resistance rating of each structural component and assembly.
  - 4. Treatment of sprayed fire-resistive material after application.

## 1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and testing agency.
- B. Product Certificates: For each type of sprayed fire-resistive material.
- C. Evaluation Reports: For sprayed fire-resistive material, from ICC-ES.

## 1.7 QUALITY ASSURANCE

- A. Installer Qualifications: A firm or individual certified, licensed, or otherwise qualified by sprayed fire-resistive material manufacturer as experienced and with sufficient trained staff to install manufacturer's products according to specified requirements.

## 1.8 FIELD CONDITIONS

- A. Environmental Limitations: Do not apply fire protection when ambient or substrate temperature is 44 deg F (7 deg C) or lower unless temporary protection and heat are provided to maintain temperature at or above this level for 24 hours before, during, and for 24 hours after product application.
- B. Ventilation: Ventilate building spaces during and after application of fire protection, providing complete air exchanges according to manufacturer's written instructions. Use natural means or, if they are inadequate, forced-air circulation until fire protection dries thoroughly.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Assemblies: Provide fire protection, including auxiliary materials, according to requirements of each fire-resistance design and manufacturer's written instructions.
- B. Source Limitations: Obtain fire protection for each fire-resistance design from single source.
- C. Fire-Resistance Design: Indicated on Drawings, tested according to ASTM E119 or UL 263; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
  - 1. Steel members are to be considered unrestrained unless specifically noted otherwise.
- D. Asbestos: Provide products containing no detectable asbestos.

### 2.2 SPRAYED FIRE-RESISTIVE MATERIALS

- A. Sprayed Fire-Resistive Material: Manufacturer's standard, factory-mixed, lightweight, dry formulation, complying with indicated fire-resistance design, and mixed with water at Project



site to form a slurry or mortar before conveyance and application or conveyed in a dry state and mixed with atomized water at place of application.

- a. GCP Applied Technologies
  - b. Carboline Company
  - c. Southwest Fire Proofing Products
2. Application: Designated for exterior use by a qualified testing agency acceptable to authorities having jurisdiction.
  3. Bond Strength: Minimum 150-lbf/sq. ft. (7.18-kPa) cohesive and adhesive strength based on field testing according to ASTM E736.
  4. Density: Not less than density specified in the approved fire-resistance design, according to ASTM E605.
  5. Thickness: As required for fire-resistance design indicated, measured according to requirements of fire-resistance design or ASTM E605, whichever is thicker, but not less than 0.375 inch (9 mm).
  6. Combustion Characteristics: ASTM E136.
  7. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: 450 or less.
  8. Compressive Strength: Minimum 10 lbf/sq. in. (68.9 kPa) according to ASTM E761.
  9. Corrosion Resistance: No evidence of corrosion according to ASTM E937.
  10. Deflection: No cracking, spalling, or delamination according to ASTM E759.
  11. Effect of Impact on Bonding: No cracking, spalling, or delamination according to ASTM E760.
  12. Air Erosion: Maximum weight loss of 0.025 g/sq. ft. (0.270 g/sq. m) in 24 hours according to ASTM E859.
  13. Finish: As selected by Architect from manufacturer's standard finishes
    - a. Color: As selected by Architect from manufacturer's full range

## 2.3 AUXILIARY MATERIALS

- A. Provide auxiliary materials that are compatible with sprayed fire-resistive material and substrates and are approved by UL or another testing and inspecting agency acceptable to authorities having jurisdiction for use in fire-resistance designs indicated.
- B. Substrate Primers: Primers approved by sprayed fire-resistive material manufacturer and complying with one or both of the following requirements:
  1. Primer and substrate are identical to those tested in required fire-resistance design by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.

2. Primer's bond strength in required fire-resistance design complies with specified bond strength for sprayed fire-resistive material and with requirements in UL's "Fire Resistance Directory" or in the listings of another qualified testing agency acceptable to authorities having jurisdiction, based on a series of bond tests according to ASTM E736.
- C. Bonding Agent: Product approved by sprayed fire-resistive material manufacturer and complying with requirements in UL's "Fire Resistance Directory" or in the listings of another qualified testing agency acceptable to authorities having jurisdiction.
- D. Sealer: Transparent-drying, water-dispersible, tinted protective coating recommended in writing by sprayed fire-resistive material manufacturer for each fire-resistance design.
- E. Topcoat: Suitable for application over sprayed fire-resistive material; of type recommended in writing by sprayed fire-resistive material manufacturer for each fire-resistance design.
  1. Cement-Based Topcoat: Factory-mixed, cementitious hard-coat formulation for trowel or spray application over SFRM.
  2. Water-Based Permeable Topcoat: Factory-mixed formulation for brush, roller, or spray application over applied SFRM. Provide application at a rate of 30 sq. ft./gal. (0.75 sq. m/L)

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for substrates and other conditions affecting performance of the Work and according to each fire-resistance design.
  1. Verify that substrates are free of dirt, oil, grease, release agents, rolling compounds, mill scale, loose scale, incompatible primers, paints, and encapsulants, or other foreign substances capable of impairing bond of fire protection with substrates under conditions of normal use or fire exposure.
  2. Verify that objects penetrating fire protection, including clips, hangers, support sleeves, and similar items, are securely attached to substrates.
  3. Verify that substrates receiving fire protection are not obstructed by ducts, piping, equipment, or other suspended construction that will interfere with fire protection application.
- B. Verify that concrete work on steel deck is complete before beginning Work.
- C. Verify that roof construction, installation of rooftop HVAC equipment, and other related work are complete before beginning Work.
- D. Conduct tests according to sprayed fire-resistive material manufacturer's written instructions to verify that substrates are free of substances capable of interfering with bond.

- E. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- F. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Cover other work subject to damage from fallout or overspray of fire protection materials during application.
- B. Clean substrates of substances that could impair bond of fire protection.
- C. Prime substrates where included in fire-resistance design and where recommended in writing by sprayed fire-resistive material manufacturer unless compatible shop primer has been applied and is in satisfactory condition to receive fire protection.
- D. For applications visible on completion of Project, repair substrates to remove surface imperfections that could affect uniformity of texture and thickness in finished surface of fire protection. Remove minor projections and fill voids that would telegraph through fire-resistive products after application.

### 3.3 APPLICATION

- A. Construct fire protection assemblies that are identical to fire-resistance design indicated and products as specified, tested, and substantiated by test reports; for thickness, primers, sealers, topcoats, finishing, and other materials and procedures affecting fire protection Work.
- B. Comply with sprayed fire-resistive material manufacturer's written instructions for mixing materials, application procedures, and types of equipment used to mix, convey, and apply fire protection; as applicable to particular conditions of installation and as required to achieve fire-resistance ratings indicated.
- C. Coordinate application of fire protection with other construction to minimize need to cut or remove fire protection.
  - 1. Do not begin applying fire protection until clips, hangers, supports, sleeves, and other items penetrating fire protection are in place.
  - 2. Defer installing ducts, piping, and other items that would interfere with applying fire protection until application of fire protection is completed.
- D. Metal Decks:
  - 1. Do not apply fire protection to underside of metal deck substrates until concrete topping, if any, is completed.
  - 2. Do not apply fire protection to underside of metal roof deck until roofing is completed; prohibit roof traffic during application and drying of fire protection.
- E. Install auxiliary materials as required, as detailed, and according to fire-resistance design and sprayed fire-resistive material manufacturer's written instructions for conditions of exposure and

intended use. For auxiliary materials, use attachment and anchorage devices of type recommended in writing by sprayed fire-resistive material manufacturer.

- F. Spray apply fire protection to maximum extent possible. After the spraying operation in each area, complete the coverage by trowel application or other placement method recommended in writing by sprayed fire-resistive material manufacturer.
- G. Extend fire protection in full thickness over entire area of each substrate to be protected.
- H. Install body of fire protection in a single course unless otherwise recommended in writing by sprayed fire-resistive material manufacturer.
- I. Where sealers are used, apply products that are tinted to differentiate them from fire protection over which they are applied.
- J. Provide a uniform finish complying with description indicated for each type of fire protection material and matching finish approved for required mockups.
- K. Cure fire protection according to sprayed fire-resistive material manufacturer's written instructions.
- L. Do not install enclosing or concealing construction until after fire protection has been applied, inspected, and tested and corrections have been made to deficient applications.
- M. Finishes: Where indicated, apply fire protection to produce the following finishes:
  - 1. Manufacturer's Standard Finishes: Finish according to manufacturer's written instructions for each finish selected.
  - 2. Spray-Textured Finish: Finish left as spray applied with no further treatment.
  - 3. Rolled, Spray-Textured Finish: Even finish produced by rolling spray-applied finish with a damp paint roller to remove drippings and excessive roughness.
  - 4. Skip-Troweled Finish: Even leveled surface produced by troweling spray-applied finish to smooth out the texture and neaten edges.

### 3.4 FIELD QUALITY CONTROL

- A. Special Inspections: **Engage** a qualified special inspector to perform the following special inspections:
  - 1. Test and inspect as required by the IBC, **Subsection 1705.13, "Sprayed Fire-Resistant Materials."**
- B. Perform the tests and inspections of completed Work in successive stages. Do not proceed with application of fire protection for the next area until test results for previously completed applications of fire protection show compliance with requirements. Tested values must equal or exceed values as specified and as indicated and required for approved fire-resistance design.
- C. Fire protection will be considered defective if it does not pass tests and inspections.
  - 1. Remove and replace fire protection that does not pass tests and inspections, and retest.

2. Apply additional fire protection, per manufacturer's written instructions, where test results indicate insufficient thickness, and retest.

- D. Prepare test and inspection reports.

### 3.5 CLEANING

- A. Cleaning: Immediately after completing spraying operations in each containable area of Project, remove material overspray and fallout from surfaces of other construction and clean exposed surfaces to remove evidence of soiling.

### 3.6 PROTECTION

- A. Protect fire protection, according to advice of manufacturer and Installer, from damage resulting from construction operations or other causes, so fire protection is without damage or deterioration at time of Substantial Completion.

### 3.7 REPAIRS

- A. As installation of other construction proceeds, inspect fire protection and repair damaged areas and fire protection removed due to work of other trades.
- B. Repair fire protection damaged by other work before concealing it with other construction.
- C. Repair fire protection by reapplying it using same method as original installation or using manufacturer's recommended trowel-applied product.

END OF SECTION 078100

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**Addendum #3**  
**3/30/21**

**SECTION 099735**

**DRY ERASE COATINGS – Field Applied Modified Epoxy Dry Erase Coating: (Clear, White, Solid Colors, and Metallic Finishes)**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Systems for field applied dry erase coatings: clear, white solid colors, and metallic finishes.

**1.2 REFERENCES**

- A. ASTM D 16 - Terminology Relating to Paint, Varnish, Lacquer, and Related Products.
- B. Painting & Decorating Contractors of America (PDCA) Standards: P1 – P21
- C. Gypsum Association (GA): GA 214, Recommended Specification: Level of Gypsum Board Finish

**1.3 DEFINITIONS**

- A. Definitions of Painting Terms: ASTM D 16, unless otherwise specified.

**1.5 SUBMITTALS**

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product information for each coating, including generic description, complete technical data, storage and handling requirements and application instructions.
- C. Manufacturer's Quality Assurance: Submit manufacturer's certification that coatings comply with specified requirements and are suitable for intended application.
- D. Maintenance Instructions: Provide manufacturer's recommended maintenance and cleaning instructions for the coated surfaces.
- E. Color Sample: Prepare all color and finishes on samples, 8-1/2" x 11" in size. Samples shall be submitted as requested until required sheen, color, and texture is achieved. Label and identify each sample as to location and application.

- F. Warranty: Submit manufacturer's standard warranty.

## **1.6 QUALITY ASSURANCE**

- A. Manufacturer's Qualifications:
1. Manufacturer of high performance coatings with a demonstrated minimum of 10 years of successful experience.
  2. Manufacturer shall supply a list of successfully completed projects of a comparable type.
  3. Source Responsibility: Coatings shall be products of a single supplier.
- B. Applicator's Qualifications:
1. Experienced in application of specified coatings for a minimum of 5 years on projects of similar size and complexity to this Work.
  2. Applicator's Personnel: Supervisory personnel shall be trained/experienced in the successful application of the specified coatings.
- C. Mock-ups:
1. Prepare mock-ups for Architect's review and to establish requirements for substrate finish and final coating application, texture, sheen and color.
  2. Install dry erase coating mock-up(s) in area designated by the Architect.
  3. Correct areas, modify method of application and installation, or adjust finish texture as directed by the Architect to comply with the specified requirements.
  4. Maintain mock-up(s) accessible to serve as a standard of quality for this Section.
  5. Accepted mock-up(s) may remain in place.

## **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Deliver materials to job site in manufacturer's original, unopened containers and packaging, with all labeling clearly identifying:
1. Coating or material name.
  2. Manufacturer.
  3. Color name and number.
  4. Batch or lot number.
  5. Date of manufacture.
  6. Mixing and thinning instructions.
- B. Storage:
1. Store materials in a clean, dry area and within temperature range in accordance with manufacturer's instructions.
  2. Keep containers sealed until ready for use.
  3. Do not use materials beyond manufacturer's shelf life limitations.



- C. Handling: Protect materials during handling and application to prevent damage or contamination.

## **1.8 ENVIRONMENTAL REQUIREMENTS**

- A. Weather:
  - 1. Air and Surface Temperatures: Prepare surfaces and apply and cure coatings within air and surface temperature range in accordance with manufacturer's instructions.
  - 2. Surface Temperature: Minimum of 5 degrees F (3 degrees C) above dew point.
  - 3. Relative Humidity: Prepare surfaces and apply and cure coatings within relative humidity range in accordance with manufacturer's instructions.
- B. Ventilation: Provide ventilation during coating evaporation stage in confined or enclosed areas in accordance with manufacturer's instructions.
- C. Dust and Contaminants:
  - 1. Schedule coating work to avoid excessive dust and airborne contaminants.
  - 2. Protect work areas from excessive dust and airborne contaminants during coating application and curing.

## **1.9 REGULATORY REQUIREMENTS**

- A. Comply with applicable codes and regulations of government agencies having jurisdiction over airborne emissions, rinse runoff and industrial waste disposal. Where those requirements conflict with this specification, comply with the more stringent provisions.
- B. Comply with current applicable regulations of the state and local air pollution control agencies / districts and the Environmental Protection Agency (EPA).

## **PART 2 PRODUCTS**

### **2.1**

- A. **Material shall be as manufactured by Precision Coatings (PCI), Springfield, MO**  
(Contact: Jim O'Keefe at 417-655-0021).
- B. Dry Erase Coating: EeZeClean Dry Erase Coating as manufactured by Precision Coatings Inc.
  - a. Colors & Sheens: As manufactured by Precision Coatings and defined as:
    - i. Clear: Gloss
    - ii. White: Gloss

- iii. Standard solid colors: Gloss
- iv. Standard metallic colors: Gloss

- b. Primer: Precision's DTM 1600 Waterborne Urethane Bonding Primer.

## **2.2 COATING SYSTEMS: INTERIOR**

### **A. Gypsum Board - Interior**

1. System Type: Waterborne urethane primer / modified epoxy dry erase topcoat
2. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
3. Primer: PCI DTM 1600 Waterborne Urethane Bonding Primer; DFT 1.0 to 3.0 mils
4. Finish Coat: PCI EeZeClean (Clear, White, Standard Solid Colors, and Standard Metallic Finishes; DFT 3.0 to 5.0 mils.
5. Sheen: Gloss
6. Total DFT: 4.0 to 8.0 mils.
7. Finish Color: As indicated on the drawings.

### **B. Medium-Density Fiberboard (MDF) - Interior**

1. System Type: Waterborne urethane primer / modified epoxy dry erase topcoat
2. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
3. Primer: PCI DTM 1600 Waterborne Urethane Bonding Primer; DFT 1.0 to 3.0 mils
4. Finish Coat: PCI EeZeClean (Clear, White, Standard Solid Color, and Standard Metallic Finishes; DFT 3.0 to 5.0 mils.
5. Sheen: Gloss
6. Total DFT: 4.0 to 8.0 mils.
7. Finish Color: As indicated on the drawings.

### **C. Previously Painted Surface – Interior**

1. System Type: Modified epoxy dry erase topcoat: Clear, White, Standard Colors or Metallics.
2. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
3. Finish Coat(s): PCI EeZeClean (Clear, White, Standard Solid Colors, and Metallic Finishes; DFT 3.0 to 5.0 mils. Depending on existing color, a second coat or a primer may be required for hide and coverage.
4. Sheen: Gloss
5. Total DFT: 4.0 to 8.0 mils.
6. Finish Color: As indicated on the drawings.

## **2.3 ACCESSORIES**

- A. Coating Application Accessories:
  - 1. Accessories required for application of specified coatings in accordance with manufacturer's instructions, including thinners.
  - 2. Products of coating manufacturer:
    - 1. [PCI 16060 VOC Exempt Reducer]
    - 2. [PCI 17000 VOC Exempt Gun Cleaner]

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas and conditions under which dry erase coating system is to be applied. Notify Architect of areas or conditions not acceptable. Do not begin surface preparation or application until unacceptable areas or conditions have been corrected.
- B. Wall surfaces to receive dry erase coating shall be dry and free from dirt, grease, loose paint and scale.
- C. Do not proceed with installation until unsatisfactory conditions have been corrected.

### **3.2 PROTECTION OF SURFACES NOT SCHEDULED TO BE COATED**

- A. Protect surrounding areas and surfaces not scheduled to be coated from damage during surface preparation and application of coatings.
- B. Immediately remove coatings that fall on surrounding areas and surfaces not scheduled to be coated.

### **3.3 SURFACE PREPARATION OF GYPSUM BOARD**

- A. Prepare gypsum board surfaces in accordance with Level 5 Drywall Finish.
- B. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
- C. Sand joint compound smooth and feather the edge to match.
- D. Avoid heavy sanding of adjacent gypsum board surfaces, which will raise nap of paper covering.
- E. Do not apply putty, patching pencils, caulking, or masking tape to gypsum board

surfaces to be painted.

- F. Lightly scuff sand tape joints after priming to remove raised paper nap. Do not sand through primer

### **3.4 SURFACE PREPARATION OF MEDIUM-DENSITY FIBERBOARD (MDF)**

- A. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
- B. Scuff sand the substrate with 150 to 220 grit sandpaper to achieve a slight etch.

### **3.5 SURFACE PREPARATION OF PREVIOUSLY COATED SURFACE**

- A. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
- B. Scuff sand the substrate with 150 to 220 grit sandpaper to achieve a slight etch.
- C. Before applying EeZeClean, a test or mock-up should be performed to ensure adhesion, appearance and color are compatible with the existing substrate coating and meet the expectations of the owner.

## **4.0 APPLICATION**

- A. Apply coatings in accordance with manufacturer's instructions.
- B. Mix and thin coatings, including multi-component materials, in accordance with manufacturer's instructions.
- C. Keep containers closed when not in use to avoid contamination.
- D. Do not use mixed coatings beyond pot life limits.
- E. Use application equipment, tools, pressure settings, and techniques in accordance with manufacturer's instructions.
- F. Uniformly apply coatings at spreading rate required to achieve specified DFT.
- G. Apply coatings to be free of film characteristics or defects that would adversely affect performance or appearance of coating systems.

## **4.1 REPAIR**

- A. Materials and Surfaces Not Scheduled To Be Coated: Repair or replace damaged materials and surfaces not scheduled to be coated.
- B. Damaged Coatings: Touch-up or repair damaged coatings. Touch-up of minor

damage shall be acceptable where result is not visibly different from adjacent surfaces. Recoat entire surface where touch-up result is visibly different, either in sheen, texture, or color.

- D. Coating Defects: Repair in accordance with manufacturer's instructions coatings that exhibit film characteristics or defects that would adversely affect performance or appearance of coating systems.

#### **4.4 CLEANING**

- A. Remove temporary coverings and protection of surrounding areas and surfaces.

#### **4.5 PROTECTION OF COATING SYSTEMS**

- A. Protect surfaces of coating systems from damage during construction.

**END OF SECTION**

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