PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. **General:** Drawings and general provisions of the Contract, including General Conditions, Division 1 - General Requirements, and other applicable specification sections in the Project Manual apply to the work specified in this Section.

1.2 SUMMARY

A. **Scope:** Provide labor, material, equipment, related services, and supervision required, including, but not limited to, manufacturing and application for WriteErase White coatings as required for the complete performance of the work and as shown on the Drawings and as herein specified.

*PRODUCT BELOW IS EXTREMELY DURABLE AND WILL HANDLE YEARS OF USE. IT IS DESIGNED FOR MEETING ROOMS, BRAINSTORMING AREAS, CONFERENCE CENTERS, ETC., FOUND IN SCHOOLS, HOSPITALS, RESTAURANTS, ENTERTAINMENT FACILITIES, ETC., WHERE A DRY ERASE SURFACE CAN BE USED.*

B. **Section Includes:** The work specified in this Section includes, but shall not be limited to, a water-based coating for interior walls that is specially formulated to work as a WriteErase White paint.

1.3 REFERENCES

A. **General:** The publications listed below form a part of this Specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications shall be the latest date as of the date of the Contract Documents, unless otherwise specified.

B. **Gypsum Association (GA):**
   1. GA 214, "Recommended Specification: Levels of Gypsum Board Finish."

C. **ASTM International (ASTM):**

D. **Green Seal (GS):**
   1. GS-11, "Paints and Coatings."
   2. GS-37, "Industrial & Institutional Cleaners."

1.4 SUBMITTALS

A. **General:** See Section 01 33 00 - Submittal Procedures.

B. **Product Data:** Submit product data showing material proposed. Submit sufficient information to determine compliance with the Drawings and Specifications.
C. Quality Control Submittals:
   1. Qualification Data: Submit qualification data for firms and persons specified in Quality Assurance Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names of architects and owners, and other information specified.
   2. Test Reports: Submit product test reports from a qualified independent inspecting and testing agency showing compliance of WriteErase White coatings with requirements based on comprehensive testing of current product formulations within the last two years.

RETAIN BELOW FOR PROJECT REQUIRING LEED CERTIFICATION.

D. LEED Submittals: Submittals that are required to comply with requirements for LEED certification include, but shall not be limited to, the following:
   1. Regional Materials: Provide product data for regional materials indicating location and distance from the Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Distance shall be within 500 miles (805 Km) of the Project Site. Include statement indicating cost for each regional material and, if applicable, the fraction by weight that is considered regional.

   ABOVE APPLIES TO CREDIT MR 5. BELOW APPLIES TO CREDIT IEQ 4.2 (PAINTS AND COATINGS).

   2. Low-Emitting Materials (Paints and Coatings): Submit certification by the manufacturer confirming that paints and coatings meet or exceed the volatile organic compound (VOC) limits set by specific agencies or other requirements. VOC limits shall be clearly stated in the submittal.

E. Maintenance Data: Submit maintenance data for WriteErase White coatings to include in operation and maintenance manuals specified in Division 01 - General Requirements.

1.5 QUALITY ASSURANCE

A. Qualifications:
   1. Manufacturer Qualifications: Manufacturer shall be a firm engaged in the manufacture of WriteErase White coatings of type required and whose products have been in satisfactory use in similar service for a minimum of five years.
   2. Applicator Qualifications: Applicator shall be a firm that shall have a minimum of five years of successful application experience with projects utilizing WriteErase White coatings similar in type and scope to that required for this Project.
   3. Inspecting and Testing Agency Qualifications: To qualify for acceptance, an independent inspecting and testing agency hired by the Contractor or manufacturer to test products shall demonstrate to the Architect’s satisfaction that they are qualified according to ASTM E329 to conduct testing indicated.

B. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction. Obtain necessary approvals from such authorities.

C. Mock-Ups: Prior to application of the work, fabricate and erect mock-ups for each type of finish and application required to demonstrate aesthetic effects as well as qualities of materials and execution. Build mock-ups to comply with the following requirements, using materials indicated for final unit of work. Locate mock-ups on site in location and of size indicated or, if not indicated, as directed by the Architect. Demonstrate the proposed range of aesthetic effects and workmanship to be expected in the completed work. Obtain the Architect’s acceptance of mock-ups before start of final unit of work. Retain and maintain mock-ups during construction in undisturbed condition as a standard for judging completed unit of work.
   1. When directed, demolish and remove mock-ups from the Project site.
2. Accepted mock-ups in undisturbed condition at time of Substantial Completion may become part of completed unit of work.

D. Pre-Application Conference: Conduct pre-application conference in accordance with Section 01 31 19 – Project Meetings. Prior to commencing the application, meet at the Project site to review the material selections, application procedures, and coordination with other trades. Mock-ups shall be reviewed during the pre-application conference. Pre-application conference shall include, but shall not be limited to, the Contractor, the Applicator, manufacturer’s representatives, and any trade that requires coordination with the work. Date and time of the pre-application conference shall be acceptable to the Owner and the Architect.

E. Single Source Responsibility: Obtain WriteErase White coatings from a single source with resources to produce products of consistent quality in appearance and physical properties without delaying the work.

1.6 DELIVERY AND STORAGE

A. Delivery: Deliver materials to the Project site in supplier’s or manufacturer’s original wrappings and containers labeled with supplier’s or manufacturer’s name, material or product brand name, and lot number, if any.

B. Storage: Store materials in their original, undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.

1.7 PROJECT CONDITIONS

A. Environmental Requirements: Do not apply WriteErase White coating until space is enclosed and weatherproof, wet work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.

1.8 WARRANTY

A. General: See Section 01 77 00 - CLOSEOUT PROCEDURES.

B. Special Warranty: The Contractor shall warrant the work of this Section to be in accordance with the Contract Documents and free from faults and defects in materials and workmanship for a period of five years. This special warranty shall extend the one year period of limitations contained in the General Conditions. The special warranty shall be countersigned by the Applicator and the manufacturer.
   1. Warranty Period: Warranty period shall be from date of Substantial Completion.

C. Additional Owner Rights: The warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.
PART 2 - PRODUCTS

2.1 MATERIALS

RETAIN BELOW FOR PROJECT REQUIRING LEED CERTIFICATION.

A. LEED Requirements:
   1. Regional Materials: Provide a minimum of [10 percent] [20 percent], based on cost, of building materials that are regionally extracted, processed, and manufactured.

   ABOVE APPLIES TO CREDIT MR 5. SELECT APPLICABLE PERCENTAGE, 10 PERCENT WILL ALLOW THE PROJECT TO ACHIEVE ONE POINT, 20 PERCENT WILL ALLOW THE PROJECT TO ACHIEVE TWO POINTS. BELOW APPLIES TO CREDIT IEQ 4.2 (PAINTS AND COATINGS).

   2. Low-Emitting Materials (Paints and Coatings): Paints and coatings used on the interior of the building (i.e., inside of the weatherproofing system and applied on-site) shall comply with the following criteria as applicable to the Project:
      a. Architectural paints and coatings applied to interior walls and ceilings shall not exceed the VOC content limits established in GS-11.

   1. Technical Information and Test Results
      a. Suitable Substrates: Gypsum board, smooth-sealed wood, previously painted surfaces, and others in accordance with the manufacturer’s recommendations.
      c. Coverage Rate: Small kit, 35 square feet per kit; medium kit, 60 square feet to 70 square feet per kit; large kit, 110 square feet to 130 square feet per kit.
      d. Finish: Gloss, 92 at 60 degrees.
      e. Maximum VOC: Less than 50 grams per liter, EPA Test Method 27.
      f. Fire Rating: Class A or Class I, ASTM E84.
      g. Scrub Resistance: 10,000+ scrub cycles, ASTM D2486.
      h. Stain Removal: Excellent rating.
   2. Basis of Design: Product specified is “WriteErase White” as manufactured by Master Coating Technologies, Inc. Items specified are to establish a standard of quality for design, function, materials, and appearance. Equivalent products by other manufacturers are acceptable. The Architect will be the sole judge of the basis of what is equivalent.

C. Accessories: Provide accessories as recommended by the manufacturer, including, but not limited to, the following:

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verification of Conditions: Examine areas and conditions under which the work is to be applied and notify the Contractor in writing, with a copy to the Owner and the Architect, of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.
   1. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Applicator.
3.2 PREPARATION

A. **Product Preparation:** Gloves, goggles, and a respirator shall be worn when pouring and mixing. Thinning is not required for brush or roller application.

B. **Surface Preparation:** Prepare surfaces to Level 5 smoothness in accordance with GA 214. For best results, prepare surface with a quality white primer or white eggshell finish. Primer/sealers and base coats may be brushed, rolled, or sprayed. Sprayed application is preferred in order to provide the smoothest surface for the application of the WriteErase White coating.
   1. **Gypsum Board:** Prepare to Level 5 finish for best results. Provide two base coats of manufacturer's recommended product. Ensure uniform color across surface.
   2. **Primed Metal:** Provide two base coats of manufacturer's recommended product.
   3. **Unprimed Metal:** Provide manufacturer's recommended primer and two base coats of manufacturer's recommended product.
   4. **Previously-Painted Surfaces:** Provide two base coats of manufacturer's recommended product.

3.3 APPLICATION

A. **Required Materials:** Provide 9 inch (229 mm) 1/4 inch (6 mm) nap microfiber roller cover; metal painters tray without plastic liner; low tack painters tape; and Part 1, Part 2, and a stir stick.

B. **Preparation over Existing Painted Surfaces:** The surface shall be clean, dry, and free of grease and mildew. Since WriteErase White coating is a gloss finish, it will highlight any imperfections, so take the necessary steps to ensure a smooth surface prior to application. If repainting before applying WriteErase White coating, sand the existing surface to remove any high points or imperfections and fill any holes or scratches. Apply white primer and white eggshell paint so it is as smooth as possible with very little stipple and no lap marks or roller lines. Allow to fully dry (let dry for a minimum of four hours depending on conditions) before applying WriteErase White coating. Mask surrounding areas with low tack painters tape. WriteErase White coating dries quickly so remove tape while finish is still wet. Any material found under the painters tape shall be removed with a damp rag.

C. **Mixing:** Stir mixture while pouring Part 1 into Part 2. Mix thoroughly for 3 to 3-1/2 minutes. As Part 1 and Part 2 are incorporated, WriteErase White coating shall begin to thicken. Make sure to incorporate unmixed paint on the sides of the can into the middle. Allow mixed WriteErase White coating to sweat-in for 5 minutes. Once Part 1 and Part 2 are mixed, WriteErase White coating shall be used in one hour. Do not combine multiple kits. Do not reseal cans once mixed, contents will expand.

D. **Application:** Pour WriteErase White coating into a clean, metal tray and apply with a 1/4 inch (6 mm) nap microfiber roller. Cut-in only as far as can be painted before the paint begins to dry. Roll vertically. Maintain a wet edge. Work in manageable 3 foot (914 mm) to 4 foot (1219 mm) sections. Inspect the application from multiple angles to ensure uniform coverage and no pinholes. Surface shall be cured in five days. After curing for five days, wipe the surface with surface conditioner then buff with a clean cloth. Contact your distributor for application assistance.
   1. **Open Time:** One hour.
   2. **Curing:** Allow coating to cure for five days before using as a dry erase surface.

3.4 ADJUSTING AND CLEANING

A. **Clean-Up:** Dispose of roller. Clean equipment immediately after application with warm, soaped water and disposable rag. Do not flush waste material into any drain.
   1. Any cleaning operation shall not compromise LEED credits, especially with respect to indoor air quality conditions, VOC limits listed in the Specifications, and the Construction IAQ Plan. No
cleaning products or processes shall compromise the LEED credit criteria or exceed listed VOC limits or use ozone-depleting substances. Cleaning materials shall comply with GS-37.

B. **Disposal:** Product contains no chromium, lead, or mercury. Disposal of containers shall be in accordance with applicable Federal, State, and local laws and regulations. Comply with requirements of authorities having jurisdiction concerning reuse, recycling, or disposal of unused product.

C. **Maintenance:** Clean WriteErase White surface as needed with dry erase board cleaner or wipes with a micro-fiber cloth. Test dry erase markers before using. Do not use permanent marker.

### 3.5 PROTECTION

A. **General:** Provide final protection and maintain conditions in a manner acceptable to the Applicator that shall ensure that the WriteErase White coatings shall be without damage at time of Substantial Completion.

END OF SECTION