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## Exhibit B

**From:** StormWaterLessThan1 [mailto:Stormwaterlessthan1@dhec.sc.gov]  
**Sent:** Friday, January 05, 2018 1:24 PM  
**To:** Arthur Fairley <Arthur@rbtodd.com>  
**Subject:** Automatic reply: SCDHEC Submittal

We are in receipt of your **Non-Coastal Stormwater Less than One-Acre (LTOA) Notification**.

Please allow this email to serve as confirmation of the Department's receipt of the notification form. Via submittal of this form, you have complied with your obligation for notification under the S.C. Stormwater Management Regulations and your notification has been placed on file with the Department (SCDHEC).

If you are certain your site meets all LTOA program requirements, you may proceed with construction activities identified in the notification submitted to the Department. Please note that ONLY construction activities identified in your notification may be performed at your site. The operator of the activity is responsible for compliance with the plan and assuring no sediment is discharged off-site or to Waters of the State. The operator is also responsible for obtaining any additional approvals that may be necessary for the planned activity.

Please be aware, the Department may conduct periodic inspections of your project/site and failure to meet all applicable requirements, as defined by the Department or the respective MS4, or failure to comply resulting in discharge of sediment to Waters of the State and/or adjacent properties may subject you to applicable penalties under the S. C. Pollution Control Act.

If you are not certain your site meets all LTOA program requirements or if you have additional questions, do not proceed with construction activities. Please review the information on the following links and contact the Department or, if applicable, the respective MS4.  
<http://www.scdhec.gov/Environment/WaterQuality/Stormwater/WheretToApply/>  
<http://www.scdhec.gov/environment/WaterQuality/Stormwater/lessthan1acre/>  
<http://www.scdhec.gov/Environment/docs/nonCoastal-LT1A.pdf>

If you have further questions, please call 803-898-4300 and ask for Stormwater Permitting.

Sincerely, The Division of Dam Safety and Stormwater Permitting

End of Exhibit B

**SECTION 02-8500  
LEAD PAINT REMEDIATION**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Lead paint remediation.

**1.02 RELATED REQUIREMENTS**

- A. Section 01-1000 - Summary: Contract descriptions, description of alterations work, work by others, future work, occupancy conditions, use of site and premises, work sequence.
- B. Section 02-4100 - Demolition: Selective demolition, site demolition, structure removal.
- C. Section 09-9331 - Exterior Painting.
- D. Section 09-9123 - Interior Painting.

**1.03 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.

**PART 2 PRODUCTS - THIS PART NOT USED**

**PART 3 EXECUTION**

**3.01 PERSONNEL**

- A. Remediation shall be performed by personnel qualified and trained to remove or render harmless lead-based paint products.

**3.02 REMEDIATION**

- A. The identified lead-based paints may be removed from the substrate, removed along with the building component, or properly prepared and re-coated. The lead-based paints identified are applicable to EPA and SCDHEC standards associated with the treatment and disposal of lead-based paints.
- B. SCDHEC Regulation 61-107.19 permits demolition materials painted with lead-based paint ( $\geq 0.7$  mg/cm<sup>2</sup>) to be disposed in a permitted Class Two (C&D) or Class Three Subtitle D, Municipal Solid Waste (MSW) landfill.
- C. Accumulations of paint waste (sludge, chips, dust, or flakes) and lead contaminated products must be tested by the Toxicity Characteristic Leaching Procedure (TCLP) to determine if the waste is classified as hazardous, which requires disposal in a Subtitle C (hazardous waste) landfill. Lead waste, at a minimum, must be disposed in a Class Two or Three landfill.
- D. Destructive actions to paint containing detectable levels of lead (e.g. component removal, demolition, sanding, grinding, burning, paint preparation, etc.) may require the contractor comply with the standards of the OSHA regulations 29 CFR 1926.62 (Lead in Construction) depending upon the planned impacts to those subject paints. OSHA compliance may require training, initial exposure monitoring, the use of personal protective equipment, and medical surveillance. Paint coatings may be present that contain low levels of lead that cannot be detected by X-ray fluorescence, and may be applicable to OSHA regulations 29 CFR 1926.62. The quantities reported by XRF may be useful in determining the relative risk associated with various demolition tasks, for example disturbances to paints with low lead levels may be less likely to result in airborne lead exposures in excess of the OSHA Action Level.

**3.03 CLEANING**

- A. Place lead-based paint debris in sealed packaging and remove from project site.
- B. Leave site in clean, orderly condition after remediation work is completed.

**END OF SECTION**

**SECTION 03-4500**  
**PRECAST ARCHITECTURAL CONCRETE**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Salvage and reinstall existing architectural precast concrete panel, pediment and window surround.
- B. Architectural precast concrete accessories.
- C. Supports, anchors, and attachments.
- D. Grouting under panels.

**1.02 RELATED REQUIREMENTS**

- A. Section 03-3000 - Cast-in-Place Concrete: Admixtures.
- B. Section 07-9200 - Joint Sealants: Sealing perimeter and intermediate joints.

**1.03 REFERENCE STANDARDS**

- A. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2016).
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- C. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2015.
- D. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.
- E. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2014.
- F. ASTM A563 - Standard Specification for Carbon and Alloy Steel Nuts; 2015.
- G. ASTM A563M - Standard Specification for Carbon and Alloy Steel Nuts (Metric); 2007 (Reapproved 2013).
- H. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2016.
- I. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2017.
- J. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2015 (Errata 2016).
- K. AWS D1.4/D1.4M - Structural Welding Code - Reinforcing Steel; 2011.
- L. Precast Concrete Architectural Repair Guide, National Precast Concrete Association,
- M. PCI MNL-117 - Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products; 2007.
- N. PCI MNL-120 - PCI Design Handbook - Precast and Prestressed Concrete; 2010, Seventh Edition.
- O. PCI MNL-122 - Architectural Precast Concrete; 2007, Third Edition.
- P. PCI MNL-123 - Design and Typical Details of Connections for Precast and Prestressed Concrete; 1988, Second Edition.
- Q. PCI MNL-135 - Tolerance Manual for Precast and Prestressed Concrete Construction; 2000.

**1.04 SUBMITTALS**

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's information on accessory products, including pigments, admixtures, inserts, plates, etc.

- C. Shop Drawings: Indicate layout, unit locations, configuration, unit identification marks, reinforcement, connection details, support items, location of lifting devices, dimensions, openings, and relationship to adjacent materials.

#### 1.05 QUALITY ASSURANCE

- A. Design Engineer Qualifications: Design precast concrete units under direct supervision of a Professional Structural Engineer experienced in design of precast concrete and licensed in South Carolina.
- B. Fabricator Qualifications:
  - 1. Firm having at least 5 years of documented experience in production of precast concrete of the type required.
  - 2. Plant certified under Precast/Prestressed Concrete Institute Plant Certification Program; product group and category A1 - Architectural Precast Concrete.
- C. Welder Qualifications: Qualified within previous 12 months in accordance with AWS D1.1/D1.1M and AWS D1.4/D1.4M.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handling: Lift and support precast units only from support points.
- B. Blocking and Lateral Support During Transport and Storage: Use materials that are clean, non-staining, and non-harmful to exposed surfaces. Provide temporary lateral support to prevent bowing and warping.
- C. Protect units to prevent staining, chipping, or spalling of concrete.
- D. Mark units with location and other criteria for accurate reassembly. Mark in location that will be concealed after reinstallation.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Architectural Precast Concrete:
  - 1. Any manufacturer holding a PCI Group A Plant Certification for the types of products specified; see [www.pci.org](http://www.pci.org).

#### 2.02 PRECAST UNITS, GENERAL

- A. Precast Architectural Concrete Units: Comply with PCI MNL-120, PCI MNL-122, PCI MNL-123, PCI MNL-135, and ACI 318.
  - 1. Design Loads: Static loads, anticipated dynamic loading, including positive and negative wind loads, thermal movement loads, and erection forces as defined by applicable code.
  - 2. Calculate structural properties of units in accordance with ACI 318.
  - 3. Accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.
- B. Provide connections that accommodate building movement and thermal movement and adjust to misalignment of structure without unit distortion or damage.
- C. Finish Type A: Ensure exposed-to-view finish surfaces of precast units are uniform in color and appearance.

#### 2.03 REINFORCEMENT

- A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi).
  - 1. Deformed billet-steel bars.
  - 2. Unfinished.
- B. Steel Welded Wire Reinforcement (WWR): Deformed type, ASTM A1064/A1064M.
  - 1. Form: Flat Sheets.
  - 2. WWR Style: 4 by 8-W6 by W10.

## 2.04 CONCRETE MATERIALS

- A. See Section 03-3000 - Cast-in-Place Concrete.

## 2.05 FORM LINERS

- A. Material: Glass fiber reinforced polyester, Acrylonitrile butadiene styrene, Polyvinyl chloride, Polystyrene, or Polyurethane. Provide manufacturer's standard for application.

## 2.06 SUPPORT DEVICES

- A. Connecting and Support Devices; Anchors and Inserts: ASTM A36/A36M steel; hot-dip galvanized in accordance with ASTM A153/A153M.
  - 1. Clean surfaces of rust, scale, grease, and foreign matter.
  - 2. Galvanize after fabrication in accordance with requirements of ASTM A123/A123M.
- B. Bolts, Nuts, and Washers: ASTM A307 heavy hex bolts, Type A, hot-dip galvanized, with matching ASTM A563 (ASTM A563M) nuts and matching washers.
- C. Primer: Zinc rich type.

## 2.07 ACCESSORIES

- A. Bearing Pads: High density plastic; Shore A Durometer; 1/8 inch thick, smooth both sides.
- B. Precast Concrete Treads, Risers and Coping.
  - 1. Products:
    - a. Tectura Designs, a division of Wausau Tile Inc; Precast Concrete Treads and Risers: [www.tecturadesigns.com/#sle](http://www.tecturadesigns.com/#sle).
    - b. Substitutions: See Section 01-6000 - Product Requirements.

## 2.08 FABRICATION

- A. Fabricate in conformance with PCI MNL-117 and PCI MNL-135.
- B. Maintain plant records and quality control program during production of precast units. Make records available upon request.
- C. Use rigid molds, constructed to maintain precast unit uniform in shape, size, and finish.
- D. Use form liners in accordance with manufacturer's instructions.
- E. Maintain consistent quality during manufacture.
- F. Fabricate connecting devices, plates, angles, items fit to steel framing members, inserts, bolts, and accessories. Fabricate to permit initial placement and final attachment.
- G. Embed reinforcing steel, anchors, inserts plates, angles, and other cast-in items.
- H. Cure units to develop concrete quality, and to minimize appearance blemishes such as non-uniformity, staining, or surface cracking.
- I. Minor patching in plant is acceptable, providing structural adequacy and appearance of units is not impaired.

## 2.09 FABRICATION TOLERANCES

- A. Conform to PCI MNL-117 and PCI MNL-135.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that building structure, anchors, devices, and openings are ready to receive work of this section.

### 3.02 PREPARATION

- A. Provide for erection procedures and induced loads during erection. Maintain temporary bracing in place until final support is provided.

### 3.03 ERECTION

- A. Erect units without damage to shape or finish. Replace or repair damaged panels.

- B. Erect units level and plumb within allowable tolerances.
- C. Align and maintain uniform horizontal and vertical joints as erection progresses.
- D. When units require adjustment beyond design or tolerance criteria, discontinue affected work; advise Architect.
- E. Fasten units in place with mechanical connections.
- F. Weld units in place. Perform welding in accordance with AWS D1.1/D1.1M.
- G. Provide non-combustible shields during welding operations.
- H. Touch-up field welds and scratched or damaged primed painted surfaces.
- I. Set vertical units dry, without grout, attaining joint dimension with lead or plastic spacers. Pack grout to base of unit.
- J. Exposed Joint Dimension: 1/2 inch. Adjust units so that joint dimensions are within tolerances.

### 3.04 TOLERANCES

- A. Erect members level and plumb within allowable tolerances. Conform to PCI MNL-135, except as specifically amended below.
  - 1. Plan Location from Building Grid Datum: Plus or minus 3/8 in.
  - 2. Top Elevation from Nominal Top Elevation: Plus or minus 3/8 inch.
  - 3. Maximum Plumb Variation Over Height of Structure or 100 ft (whichever is less): Plus or minus 1/2 inch.
  - 4. Exposed Joint Dimension: Plus or minus 3/8 inch.
  - 5. Maximum Jog in Alignment of Matching Faces or Edges: Plus or minus 1/4 inch.
  - 6. Differential Bowing or Camber as Erected Between Similar Adjacent Members: Plus or minus 3/16 inch.

### 3.05 CLEANING

- A. Clean in accordance with the Precast Concrete Architectural Repair Guide by National Precast Concrete Association.
  - 1. Test a small in conspicuous area to verify that there are no adverse effects from the cleaning solution before beginning cleaning operations.
  - 2. Clean with mild detergent and water with fiber brush to clean surface dirt and dust. Thoroughly rinse area after cleaning.
  - 3. Protect adjacent materials from cleaning operations.
- B. Repair aesthetic defects in accordance with the Precast Concrete Architectural Repair Guide by National Precast Concrete Association and as directed by the Architect.

### 3.06 PROTECTION

- A. Protect installed precast concrete panels and treads from subsequent construction operations.

**END OF SECTION**

**SECTION 04-0140**  
**CLEANING AND REPAIR OF STONE ASSEMBLIES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Cleaning and repair of existing marble surfaces.

**1.02 RELATED REQUIREMENTS**

- A. Section 04-2000 - Unit Masonry: Brick and Block masonry units.
- B. Section 04-2000 - Unit Masonry: Mortar and grout.

**1.03 REFERENCE STANDARDS**

- A. ACI 530/530.1/ERTA - Building Code Requirements and Specification for Masonry Structures and Related Commentaries; 2013.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Convene one week prior to commencing work of this section.
  - 1. Require attendance of parties directly affecting work of this section.
  - 2. Review conditions of installation, installation procedures, and coordination with related work.

**1.05 SUBMITTALS**

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on cleaning compounds and cleaning solutions.
- C. Manufacturer's Instructions: For cleaning materials, indicate special procedures, conditions requiring special attention.

**1.06 QUALITY ASSURANCE**

- A. Restorer: Company specializing in stone restoration with minimum three years of documented experience.

**1.07 MOCK-UP**

- A. Clean a 3 ft by 3 ft panel of wall to determine most effective cleaning procedure for existing conditions to provide clean, uniform surface, free from dirt and stains without damaging existing stone surface.
  - 1. Repeat, using different cleaning methods for up to three different panels.
- B. Locate where directed.
- C. Acceptable panel and procedures employed will become the standard for work of this section.
- D. Mock-up may remain as part of the Work.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Restoration and Cleaning Chemicals:
  - 1. Diedrich Technologies, Inc: [www.diedrichtechnologies.com](http://www.diedrichtechnologies.com).
  - 2. HMK Stone Care System: [www.hmkstonecare.com](http://www.hmkstonecare.com).
  - 3. PROSOCO: [www.prosoco.com](http://www.prosoco.com).
  - 4. Substitutions: See Section 01-6000 - Product Requirements.

**2.02 CLEANING MATERIALS**

- A. Cleaning Agent: Detergent type, pH-neutral dish soap or clear ammonia diluted with water.
- B. Cleaning Agent for stains: Hydrogen peroxide is acceptable on light marble for stubborn stains or commercial cleaner that is appropriate for type of stain and stone surface.
  - 1. Product: Sure Klean 942 Limestone & Marble Cleaner as manufactured by PROSOCO, Inc. or approved equal.

- C. Poultice: Test poultice in a small, inconspicuous area before proceeding.
  - 1. White absorbent material for poultice can be kaolin, fuller's earth, whiting, diatomaceous earth, powdered chalk, white molding plaster or talc.
  - 2. Liquid solvent should be used based on type of stain.
    - a. Organic stain: 6% hydrogen peroxide
    - b. Oil-based stain: acetone or mineral spirits
    - c. Ink stain: 6% hydrogen peroxide or ammonia
    - d. Rust or metallic stains: Liquid commercial rust remover
  - 3. Mix absorbent material and liquid solvent in proportions to provide consistency of peanut butter or cake icing.
  - 4. Commercial poultice mixture is acceptable. Verify product is compatible with stain type and surface to be cleaned. Mix in strict accordance with manufacturer's printed instructions.
    - a. Product: Sure Klean Marble Poultice as manufactured by PROSOCO, Inc. or approved equal.
- D. Do not use any vinegar based, lemon juice or acidic substances on marble surfaces.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify that surfaces to be cleaned are ready for work of this section.
- B. Assess current condition of stone. Survey for cracks, chips, stains, coatings, broken or missing pieces, dirt, structural conditions, anchorage failures and other conditions that may require corrective action.
- C. Meet with General Contractor and Architect to discuss the extent and measures required to restore stone surfaces.

#### **3.02 PREPARATION**

- A. Protect surrounding elements from damage due to restoration procedures. Photograph adjacent surfaces to document existing condition prior to beginning any cleaning operations.
- B. Carefully remove and store removable items located in areas to be restored, including fixtures, fittings, finish hardware, and accessories; reinstall upon completion.
- C. Separate areas to be protected from restoration areas using means adequate to prevent damage.
- D. Mask immediately adjacent surfaces with material that will withstand cleaning and restoration procedures.
- E. When using cleaning methods that involve water or other liquids, install drainage devices to prevent runoff over adjacent surfaces unless those surfaces are impervious to damage from runoff.
- F. Do not allow cleaning runoff to drain into sanitary or storm sewers.

#### **3.03 CLEANING EXISTING STONE**

- A. Remove loose debris.
- B. Cleaning Detergent: Brush clean stone surfaces at all interior marble panels. Clean with mild detergent type cleaning agent in accordance with the manufacturer's instructions. Saturate stone with clean water and flush to remove loose debris and dirt. Rinse thoroughly. Repeat as necessary to remove all soil and stains. Dry the area with soft cloth.
- C. Stain Removal: Identify type of stain for proper removal measures. Test small inconspicuous area to identify the most effective cleaning agent.
  - 1. Oil-based Stains: Clean gently with soft liquid cleanser, household detergent, ammonia, mineral spirits, acetone or commercial cleaning agent recommended for type of stain and surface to be cleaned.



2. Organic stains: Clean with 12% hydrogen peroxide and a few drops of ammonia or commercial cleaning agent recommended for type of stain and surface to be cleaned.
3. Metal stains: Clean metal stains with a poultice.
4. Paint stains: Remove small paint spots with lacquer thinner or scrape carefully with razor blade taking care to avoid scratching surface. Heavy paint coverage should be removed with a commercial liquid paint stripper that is compatible with marble surfaces. Do not use acids or flame tools to strip paint from stone.
5. For stubborn stains use a poultice on marble surface after cleaning surface thoroughly. Wet surface with distilled water and apply poultice to entire stain and extend 1 inch beyond stained edges. Poultice should be approximately 1/4 - 1/2 inch thick. Verify poultice has full contact with marble surface with no air pockets or voids, then completely cover the poultice with plastic wrap and secure with masking tape to seal entire perimeter of plastic cover. Let poultice completely harden and dry which should take approximately 24- 48 hours. After 24 hours, remove masking tape and plastic wrap. Allow poultice to completely dry. After poultice is completely dry, dampen poultice with distilled water and remove with plastic or wooden spatula. Rinse surface with warm distilled water and buff dry with soft cloth. Repeat if necessary to completely remove stain.
6. If commercial poultice product is used, follow manufacturer's instructions.

#### **3.04 SURFACE RESTORATION**

- A. For etch marks and scratches: Clean any staining as specified herein before addressing etch marks and scratches. Once the stains are removed, wet the surface of the stone with clear water and sprinkle with marble polishing powder. Rub the powder into the stone with a damp cloth or by using a buffing pad with a low-speed power drill or polisher. Continue buffing until the etch marks disappear and marble surface has an even sheen.
- B. Crack repair: Repair minor cracks in marble surfaces with a commercial marble repair compound. Dispersed hydrated lime injection mortar or hydraulic lime injection grout is acceptable for crack fill repairs.
- C. Polishing: Polishing gives marble its luster and should follow cleaning and repairing procedures. All marble surfaces shall be rinsed and buffed dry before beginning polishing procedures. Polish all existing marble surfaces with a small rotary buffer. Repeat until surfaces have uniform luster.

#### **3.05 CLEANING**

- A. Clean surrounding surfaces and remove protective coverings.
- B. Repair damage to adjacent surfaces caused by cleaning of stone assemblies to the same or better condition.

**END OF SECTION**

**SECTION 10-2113.19**  
**PLASTIC TOILET COMPARTMENTS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Solid plastic toilet compartments.

**1.02 RELATED REQUIREMENTS**

- A. Section 05-5000 - Metal Fabrications: Concealed steel support members.
- B. Section 06-1000 - Rough Carpentry: Blocking and supports.
- C. Section 10-2800 - Toilet, Bath, and Laundry Accessories.

**1.03 REFERENCE STANDARDS**

- A. ADAAG - Americans with Disabilities Act Accessibility Guidelines, 2010.
- B. ANSI A117.1 - 2009 - America National Standard for Accessible and Usable Building and Facilities; International Code Council, 2009.
- C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- D. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2015.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

**1.05 SUBMITTALS**

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- C. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall and ceiling supports, door swings.
- D. Samples: Submit two samples of partition panels, 6 by 6 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

**1.06 WARRANTY**

- A. Provide one year manufacturer's warranty against defects in materials and workmanship.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Solid Plastic Toilet Compartments:
  - 1. Ampco Products, Inc: [www.ampco.com](http://www.ampco.com).
  - 2. ASI Accurate Partitions; Solid Plastic (HDPE) Partitions: [www.accuratepartitions.com](http://www.accuratepartitions.com).
  - 3. Bobrick Toilet Partition Systems; Solid Color Reinforced Composite: [www.bobrick.com](http://www.bobrick.com).
  - 4. Partition Systems International of South Carolina; PolyLife HDPE Toilet Partitions: [www.psisc.com/#sle](http://www.psisc.com/#sle).
  - 5. Substitutions: Section 01-6000 - Product Requirements.

**2.02 SOLID PLASTIC TOILET COMPARTMENTS**

- A. Toilet Compartments: Factory fabricated doors, pilasters, and divider panels made of solid molded high density polyethylene (HDPE), tested in accordance with NFPA 286, floor-mounted headrail-braced.
  - 1. Color as selected by Architect from manufacturer's full range of colors.

- B. Doors:
  - 1. Thickness: 1 inch.
  - 2. Width: 24 inch.
  - 3. Width for Handicapped Use: 36 inch, out-swinging.
  - 4. Height: 55 inch.
- C. Panels:
  - 1. Thickness: 1 inch.
  - 2. Height: 55 inch.
- D. Pilasters:
  - 1. Thickness: 1 inch.
  - 2. Width: As required to fit space; minimum 3 inch.

### 2.03 ACCESSORIES

- A. Pilaster Shoes: Formed chromed steel with polished finish, 3 inch high, concealing floor fastenings.
  - 1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Hollow anodized aluminum, 1 inch by 1-1/2 inch size, with anti-grip profile and cast socket wall brackets.
- C. Pilaster Brackets: Satin stainless steel.
- D. Wall Brackets: Continuous type, satin stainless steel.
- E. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
  - 1. For attaching panels and pilasters to brackets: Through-bolts and nuts; tamper proof.
- F. Hardware: Satin stainless steel:
  - 1. Full height HD hinges, 16 gauge, gravity type, adjustable for door close positioning; two per door.
  - 2. Nylon bearings.
  - 3. Door Latch: Slide type with exterior emergency access feature.
  - 4. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
  - 5. Coat hook with rubber bumper; one per compartment, mounted on door.
  - 6. Provide door pull for outswinging doors.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

### 3.02 INSTALLATION

- A. Fabricate and install partitions in accordance with accessibility requirements (ANSI A117.1-2009 and ADAAG)
- B. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- C. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- D. Attach panel brackets securely to walls using anchor devices.
- E. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- F. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

**3.03 TOLERANCES**

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

**3.04 ADJUSTING**

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out-swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

**3.05 CLEANING AND PROTECTION**

- A. Clean the exposed surfaces of partitions, hardware, fittings and accessories using materials and methods that are recommended by the partition manufacturer.
- B. Clean all debris from the site.
- C. Protect units after erection so that there will be no indication of use or damage at the time of acceptance by the Owner.

**END OF SECTION**

**SECTION 11-1313  
LOADING DOCK BUMPERS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Dock bumpers of reinforced rubber with attachment frame.

**1.02 SUBMITTALS**

- A. See Section 01-3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Indicate unit dimensions, method of anchorage, and details of construction.
- C. Manufacturer's Installation Instructions: Indicate special installation requirements.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Dock Bumpers:
  - 1. Blue Giant Equipment Corporation: [www.bluegiant.com](http://www.bluegiant.com).
  - 2. Chalfant Sewing Fabricators, Inc: [www.chalfantusa.com](http://www.chalfantusa.com).
  - 3. Durable Corp; Model B4510-14 Standard Dock Bumpers: [www.durablecorp.com](http://www.durablecorp.com).
  - 4. Substitutions: See Section 01-6000 - Product Requirements.

**2.02 COMPONENTS**

- A. Bumpers: Fabric reinforced rubber pads, ozone resistant, laminated and compressed in position with two galvanized steel rods with threaded ends, washers and nuts; between 3 by 2-1/2 by 1/4 inch galvanized steel angle end plates:
  - 1. Projection From Wall: 4-1/2 inches.
  - 2. Vertical Height: 10 inches.
  - 3. Width: 15 inches.
- B. Attachment Hardware: 3/4 inch diameter galvanized bolts and expansion shields.
- C. Touch-up Primer: Zinc rich type.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

- A. Install dock bumpers in accordance with manufacturer's instructions.
- B. Set plumb and level.
- C. Secure angle end frames to concrete.

**END OF SECTION**