

1. Delivery.
2. Storage.
3. Conditions under which the materials were installed.
4. Product complies with specified requirements.
5. Specified number coats and mil thickness have been applied.

1.04 PRODUCT HANDLING:
A. Deliver all paint and stain materials to the job site in their original unopened containers with all labels intact and legible at time of use.

PART 2 - PRODUCTS

2.01 APPROVED PRODUCTS AND MANUFACTURERS:

- A. Manufacturers:
1. Sherwin Williams (Contact Owner's Rep for preferred vendor representative)
 2. Or an approved equal.
- B. Approved manufacturers for isolated items named will be listed with the product.
- C. In general and with the exception of those manufacturers named for isolated items, numbers and descriptive names used are those of Porter Paint Company and are for the purpose of convenience, identification, and establishing a standard quality for the materials required. Any of the mentioned manufacturers shall be acceptable provided a submittal of finished physical sample, full description, and formulation of products, and the surfaces that are to be covered are submitted.
- D. All paints, stains, sealers, oils, thinners, turpentine or other materials required to accomplish the painting and finishing shall be first quality materials.

2.02 MATERIALS COMPATIBILITY:

- A. All paint and stain materials and equipment shall be compatible in use; finish coats shall be compatible with prime coats; prime coats shall be compatible with the surface to be coated; all tools and equipment shall be compatible with the coating to be applied.
- B. Thinners, when used, shall be only those thinners recommended for that purpose by the manufacturer of the materials to be thinned.

PART 3 - EXECUTION

3.01 INSPECTION:

- A. Thoroughly examine surfaces scheduled to be painted prior to commencement of work. Report in writing to the Architect, any condition that may potentially affect proper application. Do not commence until such defects have been corrected.
- B. Correct defects and deficiencies in surfaces which may adversely affect work of this Section.
- C. Commencement of work shall be construed as acceptance of the surfaces and, therefore, the Contractor shall be fully responsible for satisfactory work as required herein.

3.02 PREPARATION OF SURFACES:

- A. Remove mildew, by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry completely.
- B. Concrete floors: Remove contamination, acid etch and rinse with clear water. Ensure required acid-alkali balance is achieved. Allow to thoroughly dry.
- C. Gypsum wallboard: Remove contamination and prime to show defects, if any. Paint after defects have been remedied.
- D. Concrete and concrete block:
1. Remove dirt, loose mortar, scale, powder and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate, rinse well and allow to thoroughly dry.
 2. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after being thoroughly wetted with water. Allow to thoroughly dry.
 3. Apply masonry filler as required to provide even, consistent (filling of voids), with filler material. Methods of application which "bridge" voids will not be acceptable.
- E. Completely mask, remove, or otherwise adequately protect all hardware, accessories, machined surfaces, plates, lighting fixtures, and similar items in contact with painted surfaces but not scheduled to receive paint.
- F. Spot prime all exposed nails and other metals which are to be painted with emulsion paints, using a primer recommended by the manufacturer of the coating system.
- G. Adequate illumination shall be provided in all areas where painting and staining operations are in progress.
- H. Efflorescence on any area that is scheduled to be painted shall be removed.
- I. Clean shop coats that become marred. Touch-up with specified shop coats.

3.03 PREPARATION OF METAL SURFACES:

- A. Steel and iron:
1. Remove grease, rust, scale, dirt and dust from steel and iron surfaces. Where heavy coatings of scale are evident, remove by wire brushing, sandblasting or any other necessary method. Ensure steel surfaces are satisfactory before paint finishing.
 2. Clean unprimed steel surfaces by washing with solvent. Apply at treatment of phosphoric acid solution, ensuring weld joints, bolts and nuts are similarly cleaned. Prime surfaces to indicate defects, if any. Paint after defects have been remedied.
 3. Sand and scrape steel surfaces to remove loose primer and rust. Feather out edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. (Prime steel including shop primed steels.)
- B. Galvanized metal:
1. Clean all surfaces thoroughly with solvent until they are completely free from dirt, oil, and grease.
 2. Thoroughly treat the cleaned surface with phosphoric acid etch.
 3. Remove all excess etching solution and allow to dry completely before application of paint.
- C. Remove surface contamination and oils from zinc coated surfaces and prepare for priming in accordance with metal manufacturer's recommendations.
- D. Other metals:
1. Thoroughly clean all surfaces until they are completely free from dirt, oil, and grease.
 2. Allow to dry thoroughly before application of paint.

3.04 APPLICATION:

- A. All materials shall be applied under adequate illumination, evenly spread, and smoothly flowed on with the proper type and extent of brushes, roller covers, bucket grids, and spray equipment to avoid run, sags, holidays, brush marks, air bubbles, and excessive roller stipple.
- B. Coverage and hide shall be complete. When color, stain, mark of any kind, dirt or undercoats show through the final schedule coat of paint to the surface, it shall be covered by additional coats until the paint film is of uniform finish, color, appearance and coverage at no additional cost to the Owner.
- C. Do not add thinners to the paint or paint related products.
- D. Finished areas shall be free from sags, runs, crawls, brush marks, and other defects.
- E. Touch-up painting as required to provide smooth, even finish prior to final acceptance of work.
- F. Do not apply finishes on surfaces that are not sufficiently dry.
- G. Allow each coat of finish to dry before following coat is applied, unless directed otherwise by manufacturer.
- H. Where clear finishes are required, ensure tint fillers match wood. Work with wood to the grain before set. Wipe excess from the surface.
- I. Environmental conditions:
1. Comply with the manufacturer's recommendations as to environmental conditions under which the coating systems may be applied.
 2. Do not apply paint in areas where dust is being generated.
 - J. Moisture content:
 1. Use a moisture meter approved by the Architect to test surfaces.
 2. Do not apply the initial coating until moisture meter reading is within normal limits recommended by the paint materials manufacturer.

K. Defects: Sand and dust between coats to remove all defects visible to the unaided eye from a distance of five feet.

L. Color of undercoats: Slightly off the color of the final finish.

3.05 OBSERVATION OF WORK:

- A. Do not apply additional coats until complete coat has been observed and approved by the Architect.
- B. Only observed and approved coats of paint will be considered in determining the number of coats applied.

3.06 DRY FILM THICKNESS:

- A. Use the following Dry Film Thickness (DFT) to be checked on metal surfaces with a Nordson Mikrotest DFT Gauge Thickness Gauge. On other surfaces, a Taake Dry Film Thickness Gauge shall be used. Surfaces may also be checked while surface is wet by using a Nordson Wet Film Gauge. Based on an average of three readings out of five show film less than specified, additional material shall be applied until the surface has the proper amount of material.

REINSTALLATION OF REMOVED ITEMS:

- Following completion of painting in each space, promptly reinstall all items removed for painting, using only workmen skilled in the particular Trade.

3.08 MECHANICAL AND ELECTRICAL EQUIPMENT:

- A. Coordinate with the requirements of Divisions 15 and 16.
- B. Remove grilles, covers and access panels for mechanical and electrical systems from location and paint separately.
- C. Prime and paint insulated and bare pipes, conduits, boxes, insulated and bar ducts, hangers,

- brackets, collars and supports, except where items are plated or covered with a pre-finished coating.
- D. Replace identification markings on mechanical or electrical equipment when painted over or spotted.
- E. Paint interior surfaces of air ducts, convactor and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to limit of sight line. Paint dampers exposed immediately behind louvers, grilles, convactor and baseboard cabinets to match face panels.
- F. Paint exposed conduit and electrical equipment occurring in finished areas. Color and texture to match adjacent surfaces.
- G. Paint both sides and edges of plywood backboards for electrical equipment before installing backboards and mounting equipment on them.

3.09 CLEANING:

- A. As work proceeds and upon completion, promptly remove paint where spilled, splashed or spotted.
- B. During progress of work, keep premises free from any unnecessary accumulation of tools, equipment, surplus materials and debris.
- C. Upon completion of work, leave premises neat and clean, to the satisfaction of the Architect.

3.10 PAINT AND FINISH SCHEDULE - EXTERIOR:

- A. Exterior steel surfaces:
1. Shall include, but not be limited to:
 - a. Hollow metal doors and frames.
 - b. Overhead doors.
 - c. Metal flashing.
 - d. Scuppers and downspouts.
 - e. Any type piping and conduit associated with mechanical and electrical.
 - f. Bollards.
 - g. Steel lintels.
 - h. Plumbing shoes
 - i. Gas piping.
 - j. Any edge or surface exposed to view or the weather.
 2. Product/application:
 - a. Bare steel: 1 coat SW Recoatable Epoxy Primer B67-5 series, 4.0 mils DFT.
 - b. Painted steel: 1 coat SW Macropoxy 646 B58-600 series, 5.0 DFT.
 - c. Finish coat: 1 coat SW Hi-Solids Polyurethane B65-300 series, 3.0 mils DFT.
- B. Galvanized steel:
1. Which shall include, but not be limited to:
 - a. Hollow metal doors and frames.
 - b. Underside of metal canopy.
 - c. Overhead doors.
 - d. Metal flashing.
 - e. Scuppers and downspouts.
 - f. Any type piping and conduit associated with mechanical and electrical.
 - g. Bollards.
 - h. Steel lintels.
 - i. Plumbing shoes
 - j. Gas piping.
 - k. Any edge or surface exposed to view or the weather.
 2. Product/application:
 - a. Clean with Great Lakes Labs Extra Muscie.
 - b. Pretreatment - None.
 - c. Primer: 1 coat SW Galvite HS B50WZ30, 1.9 mil DFT per coat.
 - d. Finish: 2 coats SW Industrial Enamel B54 series 2.0 mils DFT per coat.

10260 - CORNER GUARDS

PART 1 - GENERAL

- 1.01 SCOPE:
A. Provide All labor, material, equipment and services necessary to provide wall and corner guards as indicated or specified.
- 1.02 QUALITY ASSURANCE:
A. Provide wall bumpers and corner guards by same manufacturer.
B. Comply with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities.
- 1.03 SUBMITTALS:
A. Prior to installation, submit to the Architect for review the following:
 1. Shop Drawings: Show all materials, dimensions, and finishes.
 2. Physical Sample: Guard samples proposed to be provided.
 3. Manufacturer's literature fully describing the product.

1.04 DELIVERY, HANDLING AND STORAGE:

- A. Products shall be delivered to job-site in original unopened packages bearing manufacturer's labels.
- B. Store and protect products in accordance with manufacturer's recommendations.

PART 2 - PRODUCTS

2.01 CORNER GUARDS:

- A. Type:
 1. (3" x 3") ACS Acrolyn 4000 Series Type C Protec's Surface Mounted Type CG-10 "Sum Line" with top and bottom caps. Color to be 308 Black or as noted. Height to be 8" D.O.S as noted on the drawings.
 2. Comparable products as manufactured by other manufacturer acceptable for bidding.

2.02 WALL BUMPERS:

- A. McGraw Hill Corp. Walling Rock GreenGuard2, 3" high, .9" wide, furnish in black. G.C to provide 1/8" block as required at all wall bumpers.

PART 3 - EXECUTION

3.01 GENERAL:

- A. Install in strict accordance with the Contract Documents and the approved submittals.
- B. Notify the Architect in writing of any irregularities that will adversely affect the proper installation of the cabinet. Commencement of work shall imply acceptance of the wall and opening.
- C. Install square and plumb, and securely anchor corner guards to substrate per manufacturer's instructions.

10520 - FIRE EXTINGUISHERS AND CABINETS

PART 1 - GENERAL

- 1.01 SCOPE:
A. Provide all labor, materials, equipment and services required to furnish and install the fire extinguishers and cabinets.
- 1.02 QUALITY ASSURANCE:
A. Provide portable fire extinguishers, cabinets, and accessories by same manufacturer.
B. Provide new portable fire extinguishers which are UL listed and bear UL A-Listing Mark® for type, rating and classification of extinguisher indicated. Provide quantity per local jurisdiction.
C. Comply with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities.

1.03 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
 1. Shop Drawings: Show all materials, dimensions, and finishes.
 2. Physical Sample: Cabinet finish proposed to be provided.
 3. Manufacturer's literature fully describing the product.

1.04 DELIVERY, HANDLING AND STORAGE:

- A. Products shall be delivered to job-site in original unopened packages bearing manufacturer's labels.

- B. Store and protect products in accordance with manufacturer's recommendations.

PART 2 - PRODUCTS

2.01 FIRE EXTINGUISHERS:

- A. Type:
 1. UL rating: 4A-80B:C.
 2. Description: 10 lb., ABC multi-purpose, dry chemical or per jurisdiction.

2.02 FIRE EXTINGUISHER CABINETS:

- A. Manufacturer:
 1. Potter-Roemer, Inc.
 2. Larsen's Manufacturing Co.
 3. U. Industries
- B. Description:
 1. Wall mounting: Surface mounted.
 2. Door: ADV® Duo Vertical Panel with clear acrylic glazing.
 3. Finish: Steel with electrostatically applied, thermally-fused polyester coating with recoatable white finish.
 4. Size: To properly accommodate extinguisher.

2.03 WALL BRACKET:

- A. Extinguisher manufacturer's standard.

PART 3 - EXECUTION

3.01 GENERAL:

- A. Install in strict accordance with the Contract Documents and the approved submittals.
- B. Notify the Architect in writing of any irregularities that will adversely affect the proper installation of the cabinet. Commencement of work shall imply acceptance of the wall and opening.
- C. Install square and plumb, and securely anchor mountings brackets and fire extinguisher cabinets to substrate per manufacturer's instructions.
- D. Upon installation employ a certified fire suppression contractor to inspect, certify, tag and date each fire extinguisher.
- E. Remove and replace damaged, defective or undercharged extinguishers.

10800 - TOILET ACCESSORIES

PART 1 - GENERAL

- 1.01 SCOPE:
A. Provide all labor, materials, equipment and services required to furnish and install the toilet accessories.
- 1.02 QUALITY ASSURANCE:
A. Inserts and anchorages: Furnish accessory manufacturer standard inserts and anchoring devices that must be set in concrete or built into mass. Coordinate delivery with other work to avoid delay.
B. Single source responsibility: Unless otherwise noted, provide products of same manufacturer for each type of accessory unit and fasteners exposed to view in same area.
- 1.03 SUBMITTALS:
A. Prior to installation, submit to the Architect for review the following:
 1. Complete and fully describe the manufacturer's literature which shall include a picture of the product, product size, brand type and gauge, finish, and installation detail.
 2. Setting drawings where cutouts are required in other work, including templates, substrate preparation instructions, and directions for preparing cutouts and installing anchorage devices.
 3. A complete list of all accessories proposed for use and the room (identified by room number and room name) and the number of accessories of each type installed in that particular area. Include rough-in drawings for recessed accessories and details of setting.
 4. Operational and maintenance instructions including replaceable parts and service recommendations.
- B. Operational and maintenance manual: Submit accessory manufacturer's maintenance guides for owner's use in maintaining all products herein specified. Include replaceable parts and service recommendations.
- 1.04 FINISH CONDITIONS:
A. Coordinate accessory locations, installation, and sequencing with other work to avoid interference with an ensure proper installation, operation, adjustment, cleaning, and servicing of toilet accessory items.
- 1.05 WARRANTY:
A. Submit a written warranty executed by mirror manufacturer, agreeing to replace any mirrors that develop visible silver spoilage defects within warranty period.
 1. Warranty period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 APPROVED MANUFACTURERS:

- A. The following manufacturers are approved for this project:
 1. Bradley Corporation.
 2. Bobrick Washroom Equipment
 3. San Jamar.

2.02 TOILET ACCESSORIES:

- A. Grab bars: 1-1/2" dia., 304 stainless steel with peened, sanitary safety finish. Provide concealed mounting. See Drawings for profile.
- B. Mirror: B-165, 18" x 30".
- C. Soap Dispenser: Spartan Lite n' Foamy CN2402; 33oz. SPR975600
- D. Toilet Tissue Dispenser: surface, wall mount. San Jamar 07-10080
- E. Paper Towel Dispenser: surface, wall mount. San Jamar Dispenser for 8" wide paper towels; lever pull towel dispenser
- F. Baby Changing Station: Diaper Depot Oval White baby changing station
- G. Soap Dispenser at Employee Toilet and Mop Sink: Deb Stoko Cleanse Heavy 4000 Dispenser
- H. Toilet Seat cover Dispenser: Bobrick B-221.

2.03 FASTENING:

- A. All items of toilet accessories shall be provided complete with all required fastening devices. All fastening devices shall harmonize, in finish, with the item being fastened.

PART 3 - EXECUTION

3.01 INSTALLATION:

- A. Install all toilet accessory units in accordance with manufacturer's instructions, using fasteners which are appropriate to substrate and recommended by manufacturer of unit. Install units plumb and level, firmly in anchored in locations indicated.
- B. Secure mirrors to walls in concealed, tamperproof manner with special hangers, toggle bolts, or screws. Set units plumb, level, and square at locations indicated, according to manufacturer's instructions for type of substrate involved.
- C. Grab bars: Finished installation of grab bars shall be capable of withstanding 250 lbs. of pressure from any direction.

3.02 ADJUST AND CLEAN:

- A. Adjust toilet accessories for proper operation and verify that mechanisms function smoothly.
- B. Clean and polish all exposed surfaces after removing protective coatings.

CONSULTANT:

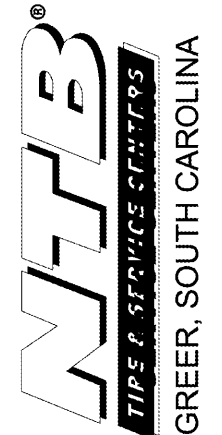
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PROJECT INFORMATION:



SEAL:



PROJECT NO. 2018011

DRAWN BY:

CHECKED BY:

ISSUE: DATE

ISSUED FOR PERMIT: 10/10/2018

REVISION: DATE

SHEET TITLE:

SPECIFICATIONS

SHEET NUMBER:

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Order Plans @ W.W. Aldridge, Inc.

W.W. Aldridge, Inc.