

**BRUNSWICK HIGH SCHOOL  
FOOTBALL FIELD HOUSE RENOVATIONS / ADDITIONS**

**ADDENDUM NO. 4**

**DATE: September 28, 2017**

John A. Tuten & Associates, Inc.  
4680 Hwy 17 North  
Brunswick, GA 31525

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**GENERAL**

1. Provide and install 1 each 120V 20AMP circuit in each of the following Rooms: #104, #109, #118A and #122 for electric hand dryers. Locate at each vanity.

**PROJECT MANUAL**

**1. TABLE OF CONTENTS – VOL 2**

- A. Discard issued “Table of Contents – Vol 2” and replace with attached “Table of Contents – Vol 2” dated 9/27/17.

**2. SECTION 102800 – TOILET & BATH ACCESSORIES**

- A. Discard issued “Section 102800” and replace with attached “Section 102800” dated 9/28/17.

**END OF ADDENDUM NO. 4**

**Attachments:**

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Section 102800

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**SECTION 102800 – TOILET AND BATH ACCESSORIES**

**PART 1 - GENERAL**

**1.1 SUMMARY**

A. This Section includes the following:

1. Toilet and bath accessories.
2. Warm-air dryers.

**1.2 SUBMITTALS**

- A. Product Data: Include construction details, material descriptions and thicknesses, dimensions, profiles, fastening and mounting methods, specified options, and finishes for each type of accessory specified.
- B. Setting Drawings: For cutouts required in other work; include templates, substrate preparation instructions, and directions for preparing cutouts and installing anchoring devices.
- C. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required. Use designations indicated in the Toilet and Bath Accessory Schedule and room designations indicated on Drawings in product schedule.
- D. Maintenance Data: For accessories to include in maintenance manuals specified in Division 1. Provide lists of replacement parts and service recommendations.

**1.3 QUALITY ASSURANCE**

- A. Source Limitations: Provide products of same manufacturer.
- B. Product Options: Accessory requirements, including those for materials, finishes, dimensions, capacities, and performance, are established by specific products indicated in the Toilet and Bath Accessory Schedule. Product selections are Bradley.
  1. Products of Bobrick and ASI with equal characteristics may be provided.

**1.4 COORDINATION**

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by disabled persons, proper installation, adjustment, operation, cleaning, and servicing of accessories.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

- A. Stainless Steel: ASTM A 666, Type 304, with No. 4 finish (satin), in 0.0312-inch (0.8-mm) minimum nominal thickness, unless otherwise indicated.
- B. Brass: ASTM B 19, leaded and unleaded flat products; ASTM B 16 (ASTM B 16M), rods, shapes, forgings, and flat products with finished edges; ASTM B 30, castings.
- C. Sheet Steel: ASTM A 366/A 366M, cold rolled, commercial quality, 0.0359-inch (0.9-mm) minimum nominal thickness; surface preparation and metal pretreatment as required for applied finish.
- D. Galvanized Steel Sheet: ASTM A 653/A 653M, G60 (Z180).
- E. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service), nickel plus chromium electrodeposited on base metal.
- F. Mirror Glass: ASTM C 1036, Type I, Class 1, Quality q2, nominal 6.0 mm thick, with silvering, electroplated copper coating, and protective organic coating complying with FS DD-M-411.
- G. Galvanized Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- H. Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

**2.2 FABRICATION**

- A. General: One, maximum 1-1/2-inch- (38-mm-) diameter, unobtrusive stamped manufacturer logo, as approved by Architect, is permitted on exposed face of accessories. On interior surface not exposed to view or back surface of each accessory, provide printed, waterproof label or stamped nameplate indicating manufacturer's name and product model number.
- B. Surface-Mounted Toilet Accessories: Unless otherwise indicated, fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with continuous stainless-steel hinge. Provide concealed anchorage where possible.
- C. Framed Glass-Mirror Units: Fabricate frames for glass-mirror units to accommodate glass edge protection material. Provide mirror backing and support system that permits rigid, tamper-resistant glass installation and prevents moisture accumulation.
  - 1. Provide galvanized steel backing sheet, not less than 0.034 inch (0.85 mm) and full mirror size, with non-absorptive filler material. Corrugated cardboard is not an acceptable filler material.

- D. Mirror-Unit Hangers: Provide mirror-unit mounting system that permits rigid, tamper- and theft-resistant installation, as follows:
  - 1. Heavy-duty wall brackets of galvanized steel, equipped with concealed locking devices requiring a special tool to remove.
- E. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Secure mirrors to walls in concealed, tamper-resistant manner with special hangers, toggle bolts, or screws. Set units level, plumb, and square at locations indicated, according to manufacturer's written instructions for substrate indicated.
- C. Install grab bars to withstand a downward load of at least 250 lbf (1112 N), when tested according to method in ASTM F 446.

#### **3.2 ADJUSTING AND CLEANING**

- A. Adjust accessories for unencumbered, smooth operation and verify that mechanisms function properly. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

#### **3.3 TOILET AND BATH ACCESSORY SCHEDULE**

- A. Toilet Tissue Dispenser
  - 1. Jumbo Roll Toilet Tissue Dispenser: Fabricate cabinet and mounting plate of 18-8, type 304, 20-gage stainless steel with satin finish. Provide tumbler lock. Fabricate door of 18-8, type 304, 18-gage stainless steel with satin finish and drawn, one-piece, seamless construction. Provide wide viewing slot to reveal toilet tissue supply inside cabinet. Fabricate dispensing mechanism of high-impact rigid vinyl. Dispensing mechanism shall be chemical resistant and flame-retardant.
  - 2. Standard of Quality: Bradley Model PS900869 stainless steel twin 9-inch Jumbo Roll Toilet Tissue Dispenser.>

- B. Paper Towel Dispenser: Provide stainless-steel paper towel dispenser complying with the following:
1. Products: Bradley Model 250-15.
  2. Surface-Mounted Type: Sized for minimum of 300 C-fold or 400 multifold paper towels without using special adapters; with hinged front equipped with tumbler lockset; and with refill indicators that are pierced slots at sides or front.
- C. Grab Bar: Provide stainless-steel grab bar complying with the following:
1. Mounting: Concealed with manufacturer's standard flanges and anchors.
  2. Gripping Surfaces: Smooth, satin finish.
  3. Outside Diameter: 1-1/4 inches (32 mm).
- D. Sanitary Napkin Disposal Unit: Provide stainless-steel sanitary napkin disposal unit complying with the following:
1. Products: Bradley Model 4722-15.
  2. Surface-Mounted Type: With seamless exposed walls; self-closing top cover; locking bottom panel with stainless-steel, continuous hinge; and removable, reusable receptacle.
- E. Mirror Unit: Provide mirror unit complying with the following:
1. Products: Bradley Model 780.
  2. Stainless-Steel, Angle-Framed Mirror: Fabricate frame from minimum nominal 0.05-inch- (1.3-mm-) thick stainless-steel angles, with square corners mitered, welded, and ground smooth.
- F. Shower Curtain Rod: Provide stainless-steel shower curtain rod with 3-inch (75-mm) stainless-steel flanges designed for exposed fasteners, in length required for shower opening indicated, and complying with the following:
1. Products: Bradley Model 9531.
  2. Heavy-Duty Rod: 1-1/4-inch (32-mm) OD; fabricated from nominal 0.05-inch- (1.3-mm-) thick stainless steel.
- G. Soap Dish: Provide stainless steel recessed soap dish.
1. Products: Bradley Model 9401 in concrete masonry walls and Model 9403 in steel stud framed walls.
- H. Shower Curtain: Provide shower curtain complying with the following:
1. Products: Bradley Model 9534.
  2. Duck Shower Curtain: Minimum 8-oz. (227-g), white, 100 percent cotton duck material with hemmed edges and corrosion-resistant grommets at minimum 6 inches (152 mm) o.c. through top hem.
  3. Shower Curtain Hooks: Chrome-plated or stainless-steel, spring wire curtain hooks with snap fasteners, sized to accommodate specified curtain rod. Provide one hook per curtain grommet.



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- I. Robe Hook: Provide robe hook complying with the following:
  - 1. Products: Bradley Model 932.
  - 2. Double-Prong Unit: Stainless-steel, double-prong robe hook with rectangular wall bracket and backplate for concealed mounting.
  
- J. Mop and Broom Holder: Provide mop and broom holder complying with the following:
  - 1. Products: Bradley Model 9983.
  - 2. Mop and Broom Holder with Utility Shelf: 36-inch- (914-mm-) long unit fabricated of minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel with shelf; support brackets for wall mounting; three hooks for wiping rags; four spring-loaded, rubber hat, cam-type, mop/broom holders mounted on front of shelf; and approximately 1/4-inch- (6-mm-) diameter, stainless-steel rod suspended beneath shelf for drying rags.
  
- K. Warm-Air Dryer: Provide one of the following in stainless steel warm-air dryer:
  - 1. American Dryer, Extremeair.
  - 2. Dyson Airblade V.
  - 3. Xlerator XL-SB.

3.4 TOILET AND BATH ACCESSORY SCHEDULE

Room #	Mirror	Toilet Tissue Dispenser	Electric Hand Dryer	Napkin Disposal	Paper Towel Dispenser	Grab Bar	Mop & Broom Holder	Shower Rod & Curtain	Soap Dish	Robe Hook
<b>GRAB BARS: L = L-SHAPED; S = PAIR STRAIGHT; U = U-SHAPED</b>										
104	1	1	1		1	1L				1
108 & 109	2	2	1		1	2U		2	2	2
118A	3	2	1		1	1L, 3U		3	3	5
122	3	2	1			1L, 3U		3	3	5

**END OF SECTION 102800**