

City of Lynchburg
Procurement Division
900 Church Street
Lynchburg, Virginia 24504
Telephone No.: (434) 455-3970
Fax No.: (434) 845-0711

**Addendum for Invitation for Bids
Fire Station #3 Interior & Exterior Renovations**

13-838

Date: 5/15/2013
From: Lisa Moss, Buyer VCA
RE: Addendum No. 1

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

Attached are clarification and changes as prepared by Craddock and Cunningham Architectural Partners and Master Engineers and Designers.

Company Name: _____ *Address:* _____ *Date:* _____

Authorized Signature: _____ *Title:* _____

Print Name: _____ *Telephone No.:* _____

Fax No.: _____

ADDENDUM No 1

May 15, 2013

City of Lynchburg Interior Renovations for Fire Station No.3

Craddock Cunningham Architectural Partners
Master Engineers and Designers

Comment / Question and Response

- Question:** What is the paving detail that is to be used for the additional parking?
Response: See attached Specification Section 32 1216-Asphalt Paving.
- Question:** Are toilet accessories required and if so can an accessory schedule be provided?
Response: See attached Specification Section 10 2800- Toilet and Shower Accessories..
- Question:** Insurance requirements seem to require a subcontractor to carry the same levels and types of coverage as the general contractor which is quite a bit higher than they usually carry. Can the coverage required of subcontractors be clarified further? (Umbrella Liability/Excess Liability in particular)
Response: The Insurance requirements for the Subcontractors are the same as the General Contractor requirements, as listed in the Project Manual. General Contractors and Subcontractors shall also carry Umbrella Liability/Excess Liability coverage at a minimum of \$5 Million dollars.
- Question:** Section 07 2100-Thermal Insulation-1.01-A . Should” Batt insulation in exterior ceiling construction” reads “.....in interior construction”? Can insulation by “Knauf” be used providing it provides the same R value?
Response: Yes, this is interior space. Knauf is an approved manufacturer.
- Asbestos abatement project monitoring and clearances will be provided by a third party environmental consulting firm under a separate contract.**

The following is the Pre-Bid Notes which are part of this addendum.

**CRADDOCK-CUNNINGHAM
ARCHITECTURAL PARTNERS, P.C.
10 Ninth Street, Lynchburg Virginia 24504
Phone:434/846-8456 Fax:434/846-4534**

Pre-Bid Meeting Conference

Date: May 8, 2013

Owner: City of Lynchburg (COL)
Project: Interior Renovations for Fire Station No.3
Comm. No. 12148

Meeting Location: Fire Station No.3

Time: 10:00- 10:30 (walk thru of sites were from 10:30 – 11:15)

Architect: Craddock-Cunningham Architectural Partners
Mark W. Smith, Architect

Last Day for Submittal of Questions: May 22, 2013
Time 9:00 am

Bid Date: May 29, 2013
Time: 3:00 pm

The following is a list of items discussed at the Pre-Bid Meeting Conference.

1. Attendee Sign-In sheet was circulated. Lisa Moss (COL) will issue the attendees list by email and post on the City's web site.
2. Introductions made.
3. Lisa noted that the contract documents, including the addenda, are located on the City's web site.
4. All questions, substitutions, etc... basically all communication needs to go through Lisa, at the City of Lynchburg. This information will be submitted to the architects and engineer for response as addendum. No verbal communications are binding.
5. Deadline for bidding related questions submitted to Lisa will be May 22, 2013 at 9:00 a.m.
6. Bid opening will be at City Hall, Bidders Room, May 29, 2013 at 3:00pm. However bids must be delivered to the Procurement Office and stamped for being received (this office is directly across the hall from the Bidders Room).
7. There are liquidated damages included in this contract.
8. Bidder's access to building will be allowed with prior notification to COL employees, Lisa to provide info.
9. All questions, substitutions, etc... basically all communication needs to go through Lisa, at the City of Lynchburg. This information will be submitted to the architect and engineers for response as addendum. No verbal communications are binding.
10. There were several questions that were recorded and responses are as follows or included in items attached to this document:
 - a. There was a question about door material clarification.- See this addendum.

- b. Request for additional material information for parking space.- See this addendum.
 - c. Will drawings be revised as necessary? Yes- See this addendum.
 - d. Are sewer and water in place for washer at new location? Yes
 - e. Request for 12 x 12 ceiling removal clarification. Existing ceiling to be removed for new work.
11. There were several clarifications made that were are as follows or included in items attached to this document:
- a. Both mechanical systems to be replaced.
 - b. Plumbing fixtures replacements only at the Lavatories. Service sinks to remain.
 - c. GCs and subs are allowed to visit the building and the site. Please check in with the station chief and review site conditions as needed.
 - d. When is the anticipated start date? July 1st approximately.
 - e. No allowances, one add alternate.
 - f. 90 day project completion. The sooner, the better due to fire station logistics.
 - g. Weekend work is permitted, full access to space granted to GC.
 - h. VAT abatement is required, mastic is negative for asbestos.
 - i. For epoxy floor alternate, mastic removal as required.
 - j. Locker removal/relocation by GC as required. See additional requirements in this addendum.
12. Roofing contract- separate, but may overlap with this work
13. Building will be empty of equipment and unoccupied (owner may have minor storage space at the Apparatus Bay)
14. Basically new finishes, minor demolition and wall construction. MEP work.
15. Meeting was adjourned at 10:30 with a following walk-thru of the building.
16. End of minutes.

Addendum To The Drawings:

- 1. See attached Drawing A1.1 for various changes.

Addendum To The Specifications:

- 1. Modify Section 00 0110 - Table of Contents – See attached.
- 2. Add Section 08 1213 – Hollow Metal Frames– See attached.
- 3. Delete Section 08 1113 - Hollow Metal Doors and Frames
- 4. Add Section 08 1416 – Flush Wood Doors - See attached.
- 5. Add Section 08 7100 – Door Hardware– See attached.
- 6. Replace in its' entirety Section 09 5100 – Acoustical Ceilings– See attached.

7. Section 09 6500 – Resilient Flooring. Delete the following:
 - a. 1.01 B Resilient tile flooring
 - b. Paragraph 2.02 Tile Flooring
 - c. Paragraph 3.03 Tile Flooring.
8. Modify Section 10 2113.19 - Plastic Toilet and Shower Compartments – See attached.
9. Add Section 10 2800 – Toilet and Shower Accessories– See attached.
10. Add Section 10 5100 - Lockers– See attached.
11. Add Section 32 1216 – Asphalt Paving – See attached.

SECTION 00 0110

TABLE OF CONTENTS

Division 00 -- Procurement and Contracting Requirements

00 0110 - Table of Contents

Bidding and Contracting Requirements – See separate volume for requirements

SPECIFICATIONS

Division 01 -- General Requirements

- 01 1000 – Summary
- 01 2300 - Alternates
- 01 3000 - Administrative Requirements
- 01 4000 - Quality Requirements
- 01 5000 - Temporary Facilities and Controls
- 01 7000 - Execution and Closeout Requirements

Division 02 -- Existing Conditions

Division 03 -- Concrete

Division 04 -- Masonry

Division 05 -- Metals

Division 06 -- Wood, Plastics, and Composites

Division 07 -- Thermal and Moisture Protection

- 07 2100 - Thermal Insulation
- 07 9005 - Joint Sealers

Division 08 -- Openings

- 08 1213 – Hollow Metal Frames
- ~~08 1113 – Hollow Metal Doors and Frames~~
- 08 1416 – Flush Wood Doors
- 08 5113 – Aluminum Windows
- 08 7100 – Door Hardware

ADDM 1

Division 09 -- Finishes

- 09 0561 – Common Work Results for Flooring Preparation
- 09 2116 - Gypsum Board Assemblies
- 09 5100 - Acoustical Ceilings
- 09 6500 - Resilient Flooring
- 09 6700 – Fluid- Applied Flooring

Fire Station No.3
Alterations and Renovations

09 9000 - Painting and Coating

Division 10 -- Specialties

10 2113.19 - Plastic Toilet and Shower Compartments

10 2800 -- Toilet and Shower Accessories

10 5100 - Lockers

ADDM 1

Division 11 -- Equipment

Division 12 -- Furnishings

12 2113 - Horizontal Louver Blinds

Division 13 -- Special Construction

Division 14 -- Conveying Equipment

Division 21 -- Fire Suppression

Division 22 -- Plumbing -- See Engineering drawings and specs

Division 23 -- Heating, Ventilating, and Air-Conditioning (HVAC) See Engineering drawings and specs

Division 26 -- Electrical See Engineering drawings and specs

Division 27 -- Communications

Division 28 -- Electronic Safety and Security

Division 31 -- Earthwork

Division 32 -- Exterior Improvements

32 1216 -- Asphalt Paving

ADDM 1

Division 33 -- Utilities

END OF TABLE OF CONTENTS

SECTION 08 1213

ADDN 1

HOLLOW METAL FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated steel frames for non-steel doors.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Steel Frames with Integral Casings:
 - 1. Assa Abloy Ceco, Curries, or Fleming: www.assaabloydss.com.
 - 2. Windsor Republic Doors: www.republicdoor.com.
 - 3. Steelcraft, an Ingersoll Rand brand: www.steelcraft.com.
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 STEEL DOOR FRAMES - GENERAL REQUIREMENTS

- A. Door Frame Type: Provide steel door frames with integral casings, for field finishing.
- B. Hardware Preparation: In accordance with BHMA A156.115, with reinforcement welded in place, in addition to other requirements specified.

2.03 STEEL DOOR FRAMES WITH INTEGRAL CASINGS

- A. Finish: Factory primed, for field finishing.
- B. Interior Door Frames: Knock-down type.
 - 1. Grade: Comply with frame requirements specified in ANSI A250.8 for Level 1, 16 gage
 - 2. Finish: Factory primed, for field finishing.

2.04 ACCESSORY MATERIALS

- A. Silencers: Resilient rubber, fitted into drilled hole; 3 on strike side of single door, 3 on center mullion of pairs, and 2 on head of pairs without center mullions.

2.05 FINISH MATERIALS

- A. Primer: Rust-inhibiting, complying with ANSI A250.10, door manufacturer's standard.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install frames in accordance with manufacturer's instructions and recommendations and as follows.
- B. Install in accordance with the requirements of the specified door grade standard and NAAMM HMMA 840.
- C. Coordinate frame anchor placement with wall construction.
- D. Coordinate installation of hardware.

END OF SECTION

FLUSH WOOD DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Flush wood doors; flush configuration; non-rated.

1.02 RELATED REQUIREMENTS

- A. Section 08 1213 - Hollow Metal Frames.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Wood Veneer Faced Doors:
 - 1. Graham Wood Doors: www.grahamdoors.com.
 - 2. Eggers Industries: www.eggersindustries.com.
 - 3. Haley Brothers: www.haleybros.com.
 - 4. Marshfield DoorSystems, Inc: www.marshfielddoors.com.
 - 5. Substitutions: See Section 01 6000 - Product Requirements.

2.02 DOORS

- A. All Doors: See drawings for locations and additional requirements.
 - 1. Quality Level: Economy Grade, in accordance with AWI/AWMAC/WI Architectural Woodwork Standards.
 - 2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
 - 1. Provide solid core doors at all locations.
 - 2. Wood veneer facing for field opaque finish.

2.03 DOOR AND PANEL CORES

- A. Non-Rated Solid Core Doors: Type particleboard core (PC), plies and faces as indicated above.

2.04 DOOR FACINGS

- A. Veneer Facing for Opaque Finish: Any material allowed by quality standard.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Field-Finished Doors: Trimming to fit is acceptable.
 - 1. Adjust width of non-rated doors by cutting equally on both jamb edges.
 - 2. Trim maximum of 1/2 inch off bottom edges.
- C. Coordinate installation of doors with installation of frames and hardware.

3.02 SCHEDULE - See Drawings

END OF SECTION

SECTION 08 7100

DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood doors.
- B. Electrically operated and controlled hardware.
- C. Thresholds.
- D. Weatherstripping, seals and door gaskets.

1.02 RELATED REQUIREMENTS

- A. Section 08 1213 - Hollow Metal Frames.
- B. Section 08 1416 - Flush Wood Doors.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products onto which door hardware will be installed.

PART 2 PRODUCTS

2.01 DOOR HARDWARE - GENERAL

- A. Provide all hardware specified or required to make doors fully functional, compliant with applicable codes, and secure to the extent indicated.
- B. Function: Lock and latch function numbers and descriptions of manufactures series as required by owner for use intended.
- C. Electrically Operated and/or Controlled Hardware: Provide all power supplies, power transfer hinges, relays, and interfaces required for proper operation; provide wiring between hardware and control components and to building power connection.

2.02 HINGES

- A. Hinges: Provide hinges on every swinging door.
 - 1. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
 - 2. Provide ball-bearing hinges at all doors having closers.
- B. Manufacturers - Hinges:
 - 1. Assa Abloy McKinney: www.assaabloydss.com.
 - 2. Hager Companies: www.hagerco.com.
 - 3. Stanley Black & Decker: www.stanleyblackanddecker.com.
 - 4. Substitutions: See Section 01 6000 - Product Requirements.

2.03 PUSH/PULLS

- A. Push/Pulls: Comply with BHMA A156.6.
 - 1. Provide push and pull on doors not specified to have lockset, latchset, exit device, or auxiliary lock.
 - 2. On solid doors, provide matching push plate and pull plate on opposite faces.
- B. Manufacturers - Push/Pulls:
 - 1. Assa Abloy McKinney: www.assaabloydss.com.
 - 2. Hager Companies: www.hagerco.com.
 - 3. Hiawatha, Inc: www.hiawathainc.com.
 - 4. Triangle Brass Manufacturing Co., Inc: www.trimcobbw.com.
 - 5. Substitutions: See Section 01 6000 - Product Requirements.

2.04 LOCKS AND LATCHES

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
 - 1. Hardware Sets indicate locking functions required for each door.
 - 2. If no hardware set is indicated for a swinging door provide an office lockset.
 - 3. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
 - 4. Lock Cylinders: Provide key access on outside of all locks unless specifically stated to have no locking or no outside trim.
- B. Lock Cylinders: Manufacturer's standard tumbler type, six-pin standard core.
 - 1. Provide cams and/or tailpieces as required for locking devices required.
- C. Keying: Match owners keying if required.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

2.05 CYLINDRICAL LOCKSETS

- A. Locking Functions: As defined in BHMA A156.2, and as follows:
- B. Manufacturers - Cylindrical Locksets:
 - 1. Assa Abloy Corbin Russwin, Sargent, or Yale: www.assaabloydss.com.
 - 2. Best Access Systems, division of Stanley Security Solutions: www.bestlock.com.
 - 3. Hager Companies: www.hagerco.com.
 - 4. Schlage: www.schlage.com.
 - 5. Substitutions: See Section 01 6000 - Product Requirements.

2.06 CLOSERS

- A. Closers: Complying with BHMA A156.4.
 - 1. Provide surface-mounted, door-mounted closers unless otherwise indicated.
 - 2. Provide a door closer on every exterior door.
 - 3. Provide a door closer on every fire- and smoke-rated door. Spring hinges are not an acceptable self-closing device unless specifically so indicated.
 - 4. On pairs of swinging doors, if an overlapping astragal is present, provide coordinator to ensure the leaves close in proper order.
- B. Manufacturers - Closers:
 - 1. Assa Abloy Corbin Russwin, Norton, Rixson, Sargent, or Yale: www.assaabloydss.com.
 - 2. DORMA Group North America: www.dorma-usa.com/usa.
 - 3. Hager Companies: www.hagerco.com.
 - 4. LCN: www.lcnclosers.com.
 - 5. Substitutions: See Section 01 6000 - Product Requirements.

2.07 STOPS AND HOLDERS

- A. Stops: Complying with BHMA A156.8; provide a stop for every swinging door, unless otherwise indicated.
 - 1. Provide wall stops, unless otherwise indicated.

2.08 GASKETING

- A. Gasketing : Sound gaskets at the doors into the Sleeping Quarters.

2.09 PROTECTION PLATES AND ARCHITECTURAL TRIM

- A. Protection Plates:
 - 1. Kickplate: Provide on each side door with closer.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.

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- C. Mounting heights for hardware from finished floor to center line of hardware item:
1. For wood doors: Comply with DHI "Recommended Locations for Architectural Hardware for Wood Flush Doors."

HARDWARE SETS

4.01 HARDWARE SCHEDULE

- A. Door at Locker Room 102:
1. Push/Pull
 2. Closer
 3. Kick plate- both sides
 4. Soundproofing gaskets
- B. Door at New Closet No.3
1. Lockset

END OF SECTION

SECTION 09 5100

ACOUSTICAL CEILINGS

PART 1 GENERAL

RE-ISSUED

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

1.02 RELATED REQUIREMENTS

- A. Section 07 2100 - Thermal Insulation: Thermal insulation.
- B. Division 26 - Interior Lighting: Light fixtures in ceiling system.

1.03 SUBMITTALS

- A. Product Data: Provide data on suspension system components and acoustical units.

PART 2 PRODUCTS

2.01 ACOUSTICAL UNITS

- A. Manufacturers:
 - 1. Armstrong World Industries, Inc; Product ARMATUFF and CERAMAGUARD: www.armstrong.com.
 - 2. Acoustic Ceiling Products, Inc.: www.acpideas.com.
 - 3. CertainTeed Corporation: www.certainteed.com.
 - 4. Hunter Douglas Contract: www.hunterdouglascontract.com.
 - 5. USG: www.usg.com.
 - 6. Substitutions: See Section 01 6000 - Product Requirements.
- B. Acoustical Panels Type 1: (Use at all areas except at Apparatus Bay) Painted mineral fiber, with the following characteristics:
 - 1. Size: 24x24 inches.
 - 2. Thickness: 3/4 inches.
 - 3. Composition: Wet felted.
 - 4. Edge: Square.
 - 5. Surface Color: White.
 - 6. Surface Pattern: Perforated, small holes.
 - 7. Product: ARMATUFF by Armstrong or equal.
 - 8. Suspension System: Exposed grid Type 1.
- C. Acoustical Panels Type 2: (Use at Apparatus Bay) Painted mineral fiber, with the following characteristics:
 - 1. Size: 24x24 inches.
 - 2. Thickness: 3/4 inches.
 - 3. Composition: Wet felted.
 - 4. Edge: Square.
 - 5. Surface Color: White.
 - 6. Surface Pattern: Non-directional fissured.
 - 7. Product: CERAMAGUARD by Armstrong or equal.
 - 8. Suspension System: Exposed grid Type 2.

2.02 SUSPENSION SYSTEM(S)

- A. Manufacturers:
 - 1. Same as for acoustical units.
- B. Suspension Systems - General: ASTM C635; die cut and interlocking components, with splices and perimeter moldings as required.

- C. Exposed Steel Suspension System Type 1: Formed steel, commercial quality cold rolled; intermediate-duty.
 - 1. Profile: Tee; 15/16 inch wide face.
 - 2. Construction: Double web.
 - 3. Finish: White painted.
 - 4. Product: Prelude XL by Armstrong or equal.
- D. Exposed Steel Suspension System Type 2: Formed steel, commercial quality cold rolled; intermediate-duty.
 - 1. Profile: Tee; 15/16 inch wide face.
 - 2. Construction: Double web. G90 galvanizing.
 - 3. Finish: White painted.
 - 4. Product: Prelude XL for Exterior Applications by Armstrong or equal.
- E. Exposed Aluminum Suspension System Type 3: Extruded aluminum; intermediate-duty.
 - 1. Profile: Tee; 15/16 inch wide face.
 - 2. Finish: Painted white.
 - 3. Product: AL Prelude Plus XL by Armstrong ofr equal.

2.03 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.
- B. Perimeter Moldings: Same material and finish as grid.
 - 1. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.
- C. Acoustical Insulation: Specified in Section 07 2100.

PART 3 EXECUTION

3.01 INSTALLATION - SUSPENSION SYSTEM

- A. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.
- B. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- C. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers to span the extra distance.
- D. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- E. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
- F. Do not eccentrically load system or induce rotation of runners.
- G. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
 - 1. Use longest practical lengths.
 - 2. Overlap and rivet corners.

3.02 SCHEDULE

- A. Type 1 - Acoustical Panels: Use at all areas unless noted or scheduled otherwise.
- B. Type 1 - Suspension System: Use at all areas unless noted or schedule otherwise.
- C. Type 2 - Acoustical Panels: Use at Apparatus Room 100.
- D. Type 2 - Suspension System: Use at Apparatus Room 100.

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- E. Type 2 - Acoustical Panels: Use at Toilet/Shower Room 104.
- F. Type 3 - Suspension System: Use at Toilet/Shower Room 104.

END OF SECTION

SECTION 10 2113.19

PLASTIC TOILET AND SHOWER COMPARTMENTS

PART 1 GENERAL

ADDM1

1.01 SECTION INCLUDES

- A. Solid plastic toilet and shower compartments.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Blocking and supports.
B. Section 10 2800 - Toilet and Shower Accessories.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
C. Product Data: Provide data on panel construction, hardware, and accessories.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Plastic Toilet and Shower Compartments:
1. Ampco Products, Inc: www.ampco.com.
2. Metpar Corp: www.metpar.com.
3. Scranton Products (Santana/Comtec/Capital): www.scrantonproducts.com.
4. Substitutions: Section 01 6000 - Product Requirements.

2.02 COMPONENTS

ADDM1

- A. Toilet and Shower Compartments: Solid molded high density polyethylene (HDPE) plastic panels, doors, and pilasters, floor-mounted headrail-braced.
1. Color: Single color as selected.
B. Door and Panel Dimensions:
1. Thickness: 1 inch.
2. Door Width: 24 inch.
3. Door Width for Handicapped Use: 36 inch, out-swinging.
4. Height: 58 inch.
5. Thickness of Pilasters: 1 inch.

~~C. Urinal Screens; Wall mounted with continuous stainless steel U-bracket.~~

ADDM1

2.03 ACCESSORIES

- A. Pilaster Shoes: Formed plastic to match, 3 in high, concealing floor fastenings.
1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
B. Head Rails: Hollow chrome plated steel tube, 1 x 1-5/8 inch size, with anti-grip strips and cast socket wall brackets.
C. Pilaster Brackets: Polished stainless steel.
D. Wall Brackets: Continuous type, polished 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: Polished stainless steel:
1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
2. Door Latch: Slide type with exterior emergency access feature.

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3. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
4. Coat hook with rubber bumper; one per compartment, mounted on door.
5. Provide door pull for outswinging doors.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated on shop drawings.
- B. Verify correct spacing of and between plumbing fixtures.

3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.

END OF SECTION

SECTION 10 2800

TOILET AND SHOWER ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Accessories for toilet rooms and showers.

1.02 RELATED REQUIREMENTS

- A. Section 10 2113.19 - Plastic Toilet and Shower Compartments.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Toilet Accessories:
 1. A & J Washroom Accessories Inc: www.ajwashroom.com.
 2. American Specialties, Inc: www.americanspecialties.com.
 3. Bradley Corporation: www.bradleycorp.com.
 4. Bobrick: www.bobrick.com.
 5. Substitutions: Section 01 6000 - Product Requirements.

2.02 MATERIALS

- A. Stainless Steel Sheet: ASTM A666, Type 304.

2.03 FINISHES

- A. Stainless Steel: No. 4 satin brushed finish, unless otherwise noted.

2.04 TOILET ROOM ACCESSORIES

- A. Toilet Paper Dispenser: Double roll, surface mounted bracket type, chrome-plated zinc alloy brackets.
- B. Paper Towel Dispenser: Folded paper type, stainless steel, surface-mounted, with viewing slots on sides as refill indicator.
 1. Capacity: 300 C-fold minimum.

2.05 SHOWER ACCESSORIES

- A. Shower Curtain Rod: Stainless steel tube, 1 inch outside diameter, 0.04 inch wall thickness, satin-finished, with 3 inch outside diameter, minimum 0.04 inch thick satin-finished stainless steel flanges, for concealed mounting.
- B. Shower Curtain:
 1. Material: Nylon reinforced vinyl, 0.008 inch thick, matte finish, with antibacterial treatment, flameproof and stain-resistant.
 2. Grommets: Stainless steel; pierced through top hem on 6 inch centers.
 3. Color: White.
 4. Shower curtain hooks: Chrome-plated or stainless steel spring wire designed for snap closure.
- C. Towel Pin: Stainless steel, 3 inch extension from wall; rectangular-shaped bracket and backplate for concealed attachment, satin finish. One each shower.
- D. Robe Hook: Heavy-duty stainless steel, single-prong, rectangular-shaped bracket and backplate for concealed attachment, satin finish. One each shower.

END OF SECTION

SECTION 10 5100

LOCKERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Locker units with hinged doors.
- B. Metal tops and filler panels.

1.02 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on locker types, sizes and accessories.
- C. Samples: Submit two samples 3 x 6 inches in size, of each color selected; applied to specified base metal.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Lockers:
 - 1. Art Metal Products: www.artmetalproducts.com.
 - 2. Lyon Workspace Products: www.lyonworkspace.com.
 - 3. Republic Storage Systems Co: www.republicstorage.com.

2.02 MATERIALS

- A. Sheet Steel: ASTM A653/A653M SS Grade 33/230, with G60/Z180 coating, stretcher leveled; to the following minimum thicknesses:
 - 1. Body and Shelf: 24 gage, 0.024 inch.
 - 2. Door Outer Face: 18 gage, 0.048 inch.
 - 3. Door Inner Face: 20 gage, 0.036 inch.
 - 4. Door Frame: 16 gage, 0.060 inch.
 - 5. Hinges: 14 gage, 0.075 inch.
- B. Accessories For Each Locker: three double prong wall hooks, coat hanger bar and hat shelf.

2.03 LOCKER UNITS

- A. Width: 24 inches.
- B. Depth: 24 inches.
- C. Height: 72 inches.
- D. Configuration: single tier.
- E. Mounting: Surface mounted.
- F. Base: Fabricate for wood base.
- G. Locking: Equipped for padlock hasps.
- H. Ventilation Method: Door louvers.

2.04 FINISHING

- A. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.
- B. Paint locker units 1 color, as selected.

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PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install lockers plumb and square.
- C. Place and secure on prepared base.
- D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lb.
- E. Bolt adjoining locker units together to provide rigid installation.
- F. Install end panels and filler panels.
- G. Install accessories.

3.02 SCHEDULES

- A. See drawings.

END OF SECTION

SECTION 32 1216

ASPHALT PAVING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aggregate base course.
- B. Single course bituminous concrete paving.
- C. Concrete wheel stops.
- D. Painted pavement markings.
- E. Cutting existing asphalt paving for tie-in

PART 2 PRODUCTS

2.01 MATERIALS

- A. Aggregate for Base Course: VDOT Type , Size 21A.
- B. Tack Coat: Homogeneous, medium curing, liquid asphalt.

2.02 ASPHALT PAVING MIXES AND MIX DESIGN

- A. Wearing Course: Asphalt mix shall be SM-2A.

2.03 MISCELLANEOUS

- A. Provide pre-cast concrete wheel stops. Natural concrete finish.
- B. Provide pavement marking paint.

PART 3 EXECUTION

3.01 REMOVAL OF EXISTING ASPHALT

- A. Saw cut existing asphalt pavement for preparation on new parking spaces. Apply tack coat to edge for bonding on new work.

3.02 BASE COURSE

- A. Place and compact base course 6 inches thick.

3.03 PREPARATION - TACK COAT

- A. Apply tack coat in accordance with manufacturer's instructions.
- B. Apply tack coat on asphalt or concrete surfaces over subgrade surface at uniform rate of 0.2 gal/sq yd.

3.04 PLACING ASPHALT PAVEMENT - SINGLE COURSE

- A. Place to 2 inch compacted thickness.
- B. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.
- C. Perform rolling with consecutive passes to achieve even and smooth finish without roller marks.
- D. Make tie-in to existing pavement with smooth transition.

3.05 WHEEL STOPS

- A. Install three wheel stops with rebar anchors.

3.06 PAVEMENT MARKINGS

- A. Stripe three parking spaces.

END OF SECTION

END OF ADDENDUM No. 1