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RGA No.15049
23 August 2017

ADDENDUM NO. 3

STATE OF DELAWARE OMB/DFM
DOC – HRYCI Old Kitchen Renovations
1301 East 12th. Street
Wilmington, DE 19801

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BIDS DUE:

Thursday, September 7, 2017 at 2:00 p.m.

LOCATION:

**THOMAS COLLINS BUILDING
Division of Facilities Management Office
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, Delaware 19901
Attn: Dean Seely**

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 All addenda will be sent out to the registered plan holders via email. Contractors are encouraged to keep an eye on their email accounts during the bidding period for such updates.

2.0 Revisions to the SPECIFICATIONS

- 2.1 04 20 00 UNIT MASONRY – 2.4 Structural-Clay Facing Tile - Remove in its entirety.
- 2.2 Add Specification section 12 34 00 LAMINATE CLAD CASEWORK.

3.0 Revisions to the DRAWINGS

- 3.1 Drawing A11-01 First Floor – Renovation Plan:
 - A. Classroom F335 east wall type designation to be changed from type “3” to type ‘3A’.
- 3.2 Drawing A80-01 First Floor – Renovation Finish Plan:
 - A. Storage F331A wall finish to be changed from “E” existing to ‘S’ painted CMU typical all walls.
 - B. Men’s Toilet F337B and Women’s Toilet F337A floor finish to be changed from ‘E’ Epoxy Resin and ‘2” Epoxy Resin Base to ‘A’ Solid Vinyl Tile and ‘1’ Rubber Cove Base.
 - C. Tele. / Security Closet wall finish designation to be changed from ‘E’ existing to “G” painted gypsum board typical all walls.
 - D. Corridor F338 plan designation symbol to be moved to corridor space at Records Open Office F345 door. Floor finish to be changed from ‘A’ Solid Vinyl Tile to ‘C’ Carpet.
 - E. Storage F338A wall finish to be changed from “E” existing to ‘S’ painted CMU typical all walls.

4.0 Questions

- Q.1 *Please provide specifications, bid length, helical size, shaft size for the helical piles supporting the exterior stairs.*
 - A.1 For bidding purposes, provide an allowance of 15’ depth for the helical pile to be verified after bid.
- Q.2 *Please confirm that load tests for the helical piles is NOT required. If required how many are to be performed and can one of the required piles be used as the test pile?*
 - A.2 One Pile shall be tested by the Pile Contractor and shall remain installed and in use after testing.
- Q.3 *Is a soil report available for the area receiving the helical piles?*
 - A.3 We have a geotechnical report for the site that can be issued to the successful bidder. For bidding purposes, provide an allowance of 15’ depth for the helical pile to be verified after bid.
- Q.4 *Is a third party inspection agency required to witness and validate the pile installation?*
 - A.4 The State’s testing agency shall witness the pile test by the Contractor.
- Q.5 *Spec section 042000 Masonry para. 2.4 calls for the use of structural clay facing tile. Where is this to be used? No wall types no drawing elevations describe this material.*
 - A.5 There is no structural clay facing tile used on the project. Paragraph 2.4 will be removed from the specification in its entirety.
- Q.6 *Masonry partitions called out to run up to the bottom of the structure are required to be braced. No bracing is detailed on the plans. Please advise.*
 - A.6 Masonry walls do not require bracing.
- Q.7 *Section 111000 contains contradicting language with regard to vendors who qualify to submit a proposal for the work. The introductory portion of the specs. states “The*

General Contractor shall list the Detention Equipment Contractor being used on the bid form. Only Detention Equipment Contractors that have been approved, either in this section, or by written addenda, will be accepted.” Quality Assurance paragraph A states Pre-Qualified Detention Equipment Contractors are as follows but not limited to. However Quality Assurance paragraph B – allows the prime bidder to enclose a qualification statement for the alternate Detention Equip. Contractors who meet criteria B 1-7 in their bids for consideration. The statements in the spec. conflict with one another. Please confirm which is correct. If alternate detention equipment contractors are to submit and approve prior to bid submission please describe the submission process and deadline date for such submission.

- A.7 We do not feel the statements conflict. As the GC you can list one of the 4 DEC’s listed in section A, or you can list an Alternate DEC, AS LONG AS the Alternate DEC can provide to the bidding GC proof of meeting ALL 6 criteria listed in section B. If all six criteria are not met, the Alternate DEC should not be listed by the bidding GC. If the GC chooses to list the non-qualified DEC then the bidding GC will be disqualified after bid. If the GC is not comfortable checking the 6 criteria in section B prior to bid, then the GC must submit them for RGA to review prior to the substitution cut-off date which was established in Addendum No. 1.
- Q.8 *Looks like all division 8 specs. are missing, doors, frames and hardware?*
A.8 Refer to specification section 11 19 40 – HARDWARE (SECURITY & COMMERCIAL) for door, frames and hardware specifications.
- Q.9 *The following specifications are not included in our project manual but are referenced in the Table of Contents? 12 34 00 LAMINATE CLAD CASEWORK & 12 34 50 LABORATORY CASEWORK*
A.9 Specification section 12 34 40 – LAMINATE CLAD CASEWORK is to be added to the project. Refer to attached 12 34 40 – LAMINATE CLAD CASEWORK spec. in this Addendum. 12 34 50 LABORATORY CASEWORK is not part of this project.

5.0 SUBSTITUTION REQUESTS:

- 5.1 111910 HOLLOW METAL (SECURITY COMMERCIAL) specifications: 1.09:
Acceptable Manufacturers: Approved Manufacturer:

American Steel Products, Demorest, GA, (706) 413-3816

6.0 ATTACHMENT LIST:

- 6.1 Specification 123400 LAMINATED CASEWORK

End of Addendum No. 3

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Fixed modular laminate clad casework and components.
- B. Flexible rail mounted laminate clad casework and components.
- C. Countertops.
- D. Mobile storage units, tables and components.

1.02 RELATED SECTIONS

- A. Blocking within walls where indicated: Division 6.
- B. Millwork, trim, and custom cabinetry: Division 6.
- C. Locks master keyed to room doors: Division 8.
- D. Glass: Division 8.
- E. Base molding: Division 9.
- F. Appliances: Division 11.
- G. Sinks and service fixtures, service waste lines, connections, and vents: Division 15.
- H. Electrical service fixtures: Division 16.

1.03 DEFINITIONS

- A. Identification of casework components and related products by surface visibility.
 - 1. Open Interiors: Any open storage unit without solid door or drawer fronts, units with full glass insert doors and/or acrylic doors, and units with sliding solid doors.
 - 2. Closed Interiors: Any closed storage unit behind solid door or drawer fronts.
 - 3. Exposed Ends: Any storage unit exterior side surface that is visible after installation.
 - 4. Other Exposed Surfaces: Faces of doors and drawers when closed, and tops of cabinets less than 72 inches above furnished floor.
 - 5. Semi-Exposed Surfaces: Interior surfaces which are visible, bottoms of wall cabinets and tops of cabinets 72 inches or more above finished floor.
 - 6. Concealed Surfaces: Any surface not visible after installation.

1.04 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 5 years experience in providing manufactured casework systems for similar types of projects, produce evidence of financial stability, bonding capacity, and adequate facilities and personnel required to perform on this project.
- B. Manufacturer: Provide products certified as meeting or exceeding ANSI-A 161.1-2000 testing standards.
- C. Single Source Manufacturer: Casework, countertops and architectural millwork products must all be engineered and built by a single source manufacturer in order to ensure consistency and quality for these related products. Splitting casework, countertops and/or architectural millwork between multiple manufacturers will not be permitted.
- D. Quality Standard: Unless otherwise indicated, comply with AWI's Architectural Woodwork Quality Standards for grades of interior architectural woodwork, construction, finishes and other requirements.

1.05 SUBMITTALS

- A. Comply with Section 01330, unless otherwise indicated.
- B. Product Data: Manufacturer's catalog with specifications and construction details.

- C. Shop Drawings: Indicate dimensions, description of materials and finishes, general construction, specific modifications, component connections, anchorage methods, hardware, and installation procedures, plus the following specific requirements.
 - 1. Include section drawings of typical and special casework, work surfaces and accessories.
 - 2. Indicate locations of plumbing and electrical service field connection by others.
 - 3. Provide one set of shop drawings which includes all products within this section, engineered and built by a single source manufacturer, with seamless coordination amongst all products.
- D. Casework Samples (To be available upon request):
 - 1. Base cabinet: Cabinet conforming to specifications, with drawer and door.
 - 2. Wall cabinet: Cabinet conforming to specifications, with door.
 - 3. Cabinet samples shall be complete with specified hardware for doors, drawers and shelves.
 - 4. Component samples: Two sets of samples for each of the following:
 - a. Decorative laminate color charts / PVC and ABS edgings.

1.06 PRODUCT HANDLING

- A. Deliver completed laminate clad casework, countertops, and related products only after wet operations in building are completed, store in ventilated place, protected from the weather, with relative humidity range of 25 percent to 55 percent.
- B. Protect finished surfaces from soiling and damage during handling and installation with a protective covering.

1.07 JOB CONDITIONS

- A. Environmental Requirements: Do not install casework until permanent HVAC systems are operating and temperature and humidity have been stabilized for at least 1 week.
 - 1. Manufacturer/Supplier shall advise Contractor of temperature and humidity requirements for architectural casework installation areas.
 - 2. After installation, control temperature and humidity to maintain relative humidity between 25 percent and 55 percent.
- B. Conditions: Do not install casework until interior concrete work, masonry, plastering and other wet operations are complete.

1.08 WARRANTY

- A. All materials and workmanship covered by this section will carry a one (1) year warranty from date of acceptance.

PART 2 – PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

- A. Manufacturer:
 - 1. TMI Systems Design Corporation.
 - a. Drawings and specifications are based on manufacturer's literature from TMI SYSTEMS DESIGN CORPORATION, 50 South Third Avenue West, Dickinson, North Dakota, 58601, Phone: 800-456-6716, fixed modular, flexible rail mounted, and mobile casework and accessories.

- b. Case Systems
- c. Stevens Industries
- d. Other manufacturers shall comply with the minimum levels of material and detailing indicated on the drawings or as specified.

2.02 MATERIALS

- A. Core Materials:
 - 1. Particleboard up to 7/8 inch thick: Industrial Grade average 45-pound density particleboard, ANSI A 208.1-2009, M-2 requirements.
 - 2. Particleboard 1 inch thick and thicker: Industrial Grade average 45-pound density particle-board, ANSI A 208.1-2009, M-2 requirements.
 - 3. Medium Density Fiberboard 1/4 inch thick: Average 54-pound density grade, ANSI A208.2-2009 requirements.
 - 4. MR Moisture Resistant Particleboard: Average 45-pound density particleboard, ANSI A208.1 1-2009, M-3 requirements.
 - 5. AB equivalent plywood laminating panel with K-2 innerplys and hardwood faces. 5-ply for 1/2 inch thickness, 7-ply for 3/4 inch thickness, and 9-ply for 1 inch thickness.
- B. Decorative Laminates: GREENGAURD Indoor Air Quality Certified
 - 1. High-pressure decorative laminate VGS (.028), NEMA Test LD 3-2005.
 - 2. High-pressure decorative laminate HGS (.048), NEMA Test LD 3-2005.
 - 3. High-pressure decorative laminate HGP (.039), NEMA Test LD 3-2005.
- C. Laminate Color Selection: Maximum 1 color per unit face and 5 colors per project. (See Color Selection in section 3.05).
- D. Edging Materials:
 - 1. 1mm PVC banding, machine applied.
 - 2. 3mm PVC banding, machine applied and machine profiled to 1/8 inch radius.
- E. Glass:
 - 1. Wall unit full sliding glass doors: 1/4 inch thick laminated safety glass.
 - 2. Glass insert doors, hinged or sliding wall cabinets: 1/4 inch thick laminated safety glass.
 - 3. Glass insert doors, hinged or sliding tall or base cabinets. 1/4 inch thick laminate safety glass.
 - 4. Sliding doors mounted in aluminum track.
 - 5. Trim glass inserts: Extruded rigid PVC channel and self-locking insert retainer strip.

2.03 SPECIALTY ITEMS

- A. Support Members:
 - 1. Countertop support brackets: Epoxy powder coated, 11 gauge steel with integral cleat mount opening and wire management opening.
 - 2. Undercounter support frames: Epoxy powder coated.
 - 3. Legs: Epoxy powder coated.

2.04 CABINET HARDWARE

- A. Hinges:
 - 1. Five knuckle, epoxy powder coated, institutional grade, 2-3/4 inch overlay type with hospital tip. 0.095 inch thick. ANSI-BHMA standard A156.9, Grade 1.
 - a. Doors 48 inches and over in height have 3 hinges per door.

- b. Magnetic door catch with maximum 5 pound pull provided, attached with screws and slotted for adjustment.
 - B. Pulls:
 - 1. Select from the TMI Vendor Stock Pull Program or other manufacturer's pre-approved equivalent program.
 - 2. Pull program offering must include minimum of 20 metal pull design and finish option combinations including:
 - a. Bar Pull (Finish options: Satin Bronzed Copper, Chrome Polished, Chrome Matte, and Brushed Nickel)
 - b. Bow Pull (Finish options: Black Matte, Oil Rubbed Bronze, Satin Bronzed Copper, Chrome Polished, Chrome Matte, and Nickel Matte)
 - c. Contemporary Pull (Finish option: Brushed Nickel)
 - d. Heavy Bow Pull (Finish option: Brushed Nickel)
 - e. Petite Bow Pull (Finish option: Brushed Nickel)
 - f. Metal Wire Pull (Finish options: Epoxy Powder Coated Gray, Beige, White, Black, Slate, Chrome, and Satin Chrome US26D)
 - 3. All pulls with 96mm spacing on screws. Pull designs shall comply with the Americans with Disability Act (ADA).
 - C. Drawer Slides:
 - 1. Regular, kneespace and pencil: 100-pound load rated epoxy coated steel, bottom corner mounted with smooth and quiet nylon rollers. Positive stop both directions with self-closing feature. Paper storage, 150-pound load rated epoxy coated steel slides.
 - 2. File: Full extension, 150-pound load rated epoxy coated steel, bottom corner mounted with smooth and quiet nylon rollers. Positive stop both directions with self-closing feature.
 - D. Adjustable Shelf Supports:
 - 1. Injection molded transparent polycarbonate friction fit into cabinet end panels and vertical dividers, adjustable on 32mm centers. Each shelf support has 2 integral support pins, 5mm diameter, to interface pre-drilled holes, and to prevent accidental rotation of support. The support automatically adapts to 3/4 inch or 1 inch thick shelving and provides non-tip feature for shelving. Supports may be field fixed if desired. Structural load to 1200 pounds (300 pounds per support) without failure.
 - E. Locks:
 - 1. Five-pin tumbler, cam style lock with strike. Lock for sliding 3/4 inch thick doors is National #M2-3708-157 lock, National #M2-3709-100 strike and National #M5-0057-110 escutcheon plunger lock with strike. Sliding glass door lock is National #M2-0225-002 sliding showcase lock.
 - 2. Elbow catch or chain bolt used to secure inactive door on all locked cabinets.
 - F. Sliding Door Track: Anodized aluminum double channel.
 - G. Coat Rods: 1 inch diameter, 14-gauge chrome plated steel installed in captive mounting hardware.
 - H. File Suspension System: Extruded molding integral with top of drawer box sides to accept standard hanging file folders.
 - I. Mirrors: 1/8 inch thick mirrored acrylic, break and impact resistant.
- 2.05 FABRICATION:
 - A. Fabricate casework, countertops and related products to dimensions, profiles, and details shown.

- B. All casework panel components must go through a supplemental sizing process after cutting, producing a panel precisely finished in size and square to within 0.010 inches, ensuring strict dimensional quality and structural integrity in the final fabricated product.
- C. Cabinet Body Construction:
1. Tops and bottoms are glued and doweled to cabinet sides and internal cabinet components such as fixed horizontals, rails and verticals. Minimum 6 dowels each joint for 24 inch deep cabinets and a minimum of 4 dowels each joint for 12 inch deep cabinets. (Mechanical or metal hardware fasteners joining cabinet top and bottom panels to the sides will not be accepted.)
 - a. Tops, bottoms and sides of all cabinets are particleboard core.
 2. Cabinet backs: 1/2 inch thick particleboard core, onset design.
 3. Fixed base and tall units have an individual factory-applied base, constructed of 3/4 inch thick plywood. Base is 102mm (nominal 4 inch) high unless otherwise indicated on the drawings.
 4. Base units, except sink base units: Full sub-top glued and doweled to cabinet sides. (Mechanical or metal hardware fasteners joining cabinet sub-top panel to the sides will not be accepted.)
 - a. Sink base units are provided with open top and a stretcher at the front, attached to the sides. Back to be split removable access panel.
 5. Side panels and vertical dividers shall receive adjustable shelf hardware at 32mm line boring centers. Mount door hinges, drawer slides and pull-out shelves in the line boring for consistent alignment.
 6. Exposed and semi exposed edges.
 - a. Edging: 1mm PVC machine applied.
 7. Adjustable Shelves in Cabinets
 - a. Core: Particleboard.
 - b. Core Thickness: 3/4 inch up to 36 inches wide, 1 inch over 36 inches wide.
 8. Interior finish, units with open Interiors:
 - a. Top, bottom, back, sides, horizontal and vertical members, and adjustable shelving faces with high-pressure decorative VGS laminate.
 9. Interior finish, units with closed Interiors:
 - a. Top, bottom, back, sides, horizontal and vertical members, and adjustable shelving faces with TFM Thermally Fused Melamine laminate.
 10. Exposed ends:
 - a. Faced with high-pressure decorative VGS laminate. Use of TFM on exposed ends will not be permitted.
 11. Wall unit bottom:
 - a. Faced with high-pressure decorative VGS laminate. Use of TFM on wall unit bottoms will not be permitted.
 12. Balanced construction of all laminated panels is mandatory. Unfinished core stock surfaces, even on concealed surfaces (excluding edges), are not permitted.
- D. Drawers:
1. Sides, back and sub front: Minimum 1/2 inch thick particleboard, laminated with TFM Thermally Fused Melamine, doweled and glued into sides. Top edge banded with 1mm PVC.
 2. Drawer bottom: Minimum 1/2 inch thick particleboard laminated with TFM Thermally Fused Melamine, screwed directly to the bottom edges of drawer box

3. Paper storage drawers: Minimum 3/4 inch thick particleboard sides, back, and sub front laminated with TFM Thermally Fused Melamine. Minimum 1/2 inch thick particleboard drawer bottoms screwed directly to the bottom edges of the drawer box. Provide PVC angle retaining bar at the rear of the drawer.
- E. Door/Drawer Fronts:
1. Core: 3/4 inch thick particleboard.
 2. High-pressure decorative VGS laminate exterior, balanced with high-pressure cabinet liner CLS. Use of TFM on exterior or interior surfaces of door/drawer fronts will not be permitted.
 3. Edges: 3mm PVC, machine applied, external edges and outside corners machine profiled to 1/8 inch radius.
 4. Provide double doors in opening in excess of 24 inches wide.
- F. Reagent and Wall Shelving:
1. Core material: 1 inch thick plywood.
 2. Chemical Resistant high-pressure decorative VGS laminate on both faces.
 3. Edges: 3mm PVC, external edges and outside corners machine profiled to 1/8 inch radius. Front edge reagent 'lip' to be raised above the shelf 3/8 inch.
- 2.06 SOLID SURFACE COUNTERTOPS:
- A. Core:
1. All countertops: 1 inch VENEER CORE PLYWOOD.
- B. Surface: 1/2" solid surface material
1. Front edge built up to 1 1/2" total thickness
 2. All finished edges provided with "eased edge"
 3. Backsplash shall be 1/2" thick solid surface field applied
- C. Color:
1. Provide for color selection to include Meganite levels 1 through 4
- 2.07 HEAVY DUTY TABLES:
- A. Work tops: 1 inch thick particleboard core laminated top surface with HGS/HGP laminate, balanced with backer sheeting.
1. Edges: 3mm PVC
- B. Work top support frame: Furniture grade, epoxy powder coated steel.
- C. Under table storage units: Manufacturer's flexible rail mounted undercounter units adapted for installation to work top support frame.
- D. Adjustable legs: 1-3/4 inch x 1-3/4 inch x 14 gauge epoxy powder coated tubing fitted inside 2 inch x 2 inch x 14 gauge with height adjustment.
1. Heavy-duty, non-marking adjustable floor glides.

PART 3- EXECUTION

3.01 INSPECTION:

- A. The casework contractor must examine the job site and the conditions under which the work under this section is to be performed, and notify the building owner in writing of unsatisfactory conditions. Do not proceed with work under this Section until satisfactory conditions have been corrected in a manner acceptable to the installer.

3.02 PREPARATION:

- A. Condition casework to average prevailing humidity conditions in installation areas prior to installing.

3.03 INSTALLATION:

- A. Erect casework, plumb, level, true and straight with no distortions. Shim as required. Where laminate clad casework abuts other finished work, scribe and cut to accurate fit.
- B. Adjust casework and hardware so that doors and drawers operate smoothly without warp or bind.
- C. Repair minor damage per plastic laminate manufacturer's recommendations.

3.04 CLEANING:

- A. Remove and dispose of all packing materials and related construction debris.
- B. Clean cabinets inside and out. Wipe off fingerprints, pencil marks, and surface soil etc., in preparation for final cleaning by the building owner.

3.05 COLOR SELECTION:

- A. Laminate Color Selection:
 - 1. Select from the full range of standard Wilsonart® and Formica® stock color charts.
 - 2. Thermally fused melamine laminate matched to White color.
- B. Hardware Color Selection:
 - 1. Hinge: Select from your choice of epoxy powder coating stock colors matched to White, Beige, Gray, Black, Slate and Chrome.
 - 2. Pulls: Select from design specific finish options available in the TMI Vendor Stock Pull Program.
 - 3. Miscellaneous Hardware (support brackets, table frames, etc.): Select from your choice of epoxy powder coating stock colors matched to White, Beige, Gray, Black, Slate and Chrome.
- C. PVC Edge Banding Color Selection:
 - 1. 3mm PVC: Select from the TMI Vendor Stock PVC Program, including over 171 pattern, woodgrain and solid colors matched to Wilsonart® and Formica® laminates.
 - 2. 1mm PVC: Select from the TMI Vendor Stock PVC Program, including over 171 pattern, woodgrain and solid colors matched to Wilsonart® and Formica® laminates.

*For complete and current Laminate and PVC color availability charts please refer to:
<http://www.tmisystems.com/specifying/crossreference.asp>

16 August 2017
END OF SECTION