

**GURRI MATUTE PA**  
**ARCHITECTURE-INTERIORS**

AA 0003454  
IB 0001241

5001 SW 74<sup>th</sup> Court, Suite 208  
Miami, FL 33155  
Tel. 305 661 0069 Fax. 305 661 0089

May 4, 2012

**Florida Department of Military Affairs**  
**CFMO – Project No. 210007**

**Homestead National Guard Armory Renovation**  
**756 Saint Lo Blvd., Homestead, Florida 33092**

**ADDENDUM No. 2**

**A. Bid Document Revisions**

The following bid documents have been added in reference to responses to RFI submitted by contractors bidding on the project, received before 05-01-12.

1. Technical Specification Section 08334 - Coiling Counter Door
2. Technical Specification Section 10160 - Toilet Partitions

**B. Request for Information**

1. Please clarify the following:
  - Advertisement shows **Project Number: 210007**
  - Plans and Specifications show **State Project No. 207013**
  - Disc from your office reads **State Project No. 2071013**

(I have provided an attachment showing all different Project Numbers). Could you please advise which the correct project number is or are they all different?

*Response: **State Project No. 210007** is the correct project number for the Homestead Armory Renovation Phase 1.*

2. Plan Page G0.01, General Demolition Notes, "3. ASBESTOS REPORT WILL BE PROVIDED. GC IS RESPONSIBLE FOR THE REMOVAL OF ALL CONTAMINATED MATERIALS IDENTIFIED IN THE ASBESTOS REPORT." Could you please provide asbestos report showing what materials have been identified for removal?

*Response: According to an EA report, "Asbestos that could propose a health hazard was removed before receiving ownership from the Air Force". Any asbestos abatement, if required, will be dealt with separately as a change order.*

3. Non Technical Specification, Page 44 of 88, D-7 Site Security, "The Contractor shall pay for and be responsible to secure the site and the project against theft, vandalism, fire, and for public safety at all times (24 hours per day) from Notice to Proceed until Substantial Completion." Are you requiring the GC to provide a 24 hr Security Guard for duration of the project?

*Response: This project will not require a 24-hr. security guard.*

4. Non Technical Specification, Page 44 of 88, D-1 Architect-Engineer's Field Office, "If required..." Is this required?

*Response: This project will not require an Architect-Engineer's Field Office. Non- Technical Specifications Section D, Paragraph D-1 does not apply.*

5. Non Technical Specification, Page 44 of 88, D-2 Voice/Data/FA, "If required..." Is this required?

*Response: This project will not require an Architect-Engineer's Field Office. Non- Technical Specifications Section D, Paragraph D-2 does not apply.*

6. The table of contents has a spec section for the coiling shutter but the spec section is not in there. The door schedule calls for the shutter to be 8'-0" x 3'-0", is this the clear opening width and height when the shutter is open? Please advise.

*Response: Please refer to Technical Specification Section 08334- Coiling Counter Door, which has been issued as part of this addendum. The 8'-0" x 3'-0" dimension is the clear opening width and height when the shutter is open.*

7. Please clarify if kitchen walls shall receive wall ceramic tile. If kitchen will receive tiles. Please provide the limit. Do walls in corridor with metal ladder to mechanical mezzanine will also receive WCT?

*Response: Per Finish Schedule for Building "A" on sheet A7.01, all walls in the kitchen, including the space with the metal ladder to mechanical mezzanine, shall receive ceramic tile (WCT-1). The extent of the wall tile shall be from floor to ceiling (9'-0" AFF). The tile in the space with the metal ladder shall terminate with a continuous bullnose at 9'-0" AFF, and shall transition to painted gypsum board from 9'-0" to the underside of roof structure. Please note that all finishes (floor, ceiling and, walls) in the kitchen area are part of Alternate Bid Item # 2.*

8. The new wall separating project limits from the existing warehouse 170 & classroom 154 are designated by B1, B & F with 20 Ga metal studs, on sheet A1.01A. However structural drawings sheet S1.02 specifies 16 Ga studs for these walls.

*Response: The metal studs for partition types B, B1 and F shall be 16 gauge, as noted on structural drawings sheet S1.02.*

9. Arch. Plan A1.01B shows wall type B with 20 Ga metal studs for wall separating the supply room & mezzanine, while structural plans show 16 Ga & 14 Ga studs used in these walls.

Response: The metal studs for partition type B on sheet A1.01B shall be 14 or 16 gauge, as noted on structural drawing, sheet S1.04.

10. Floor Plan key notes #6 on A1.01A specifies new range and hood, refrigerator & 3 compartment sink, and states that; other appliances not in contract. Enlarged plan of kitchen 1/A6.02 provides specification for new range. However no specs have been provided for refrigerator & 3 Compartment sink.

Response: Keynote # 6 on sheet A1.01A identifies the fixtures and appliances in the area within the arrows. Please disregard the part of the keynote stating "other appliances not in contract". The notes on sheet A6.02 next to the enlarged kitchen plan, explain what is and what is not part of the contract. Per note 3, the refrigerator is not part of the contract. The 3-compartment sink is specified with the plumbing fixtures in the plumbing drawings, on sheets P0.00 and P2.01.

11. Are the acoustical ceiling metal stud supports in the kitchen fire rated and covered by drywall on both side?

Response: The metal stud supports for the acoustical ceiling in the kitchen are not fire rated and do not have drywall on either side.

12. Are the acoustical ceiling supports in the new storage room 158 & new copy/mail room fire rated, and covered by drywall on both side?

Response: The metal stud supports for the acoustical ceiling in the new Storage Room 158 and new Copy/Mail Room 156 are not fire rated and do not have drywall on either side. The only fire rated ceiling (3 5/8" 16 ga. metal studs at 16" o.c. with drywall on both sides) occurs at Corridor 161. Refer to partial section 1 on sheet A4.00.

13. Note for the acoustical ceiling support shown on section 5/A4.00 states; new metal stud ceiling support to support new suspended ceiling. See structural drawing for more information. However no information has been provided in structural drawings. Please specify metal studs, size, gauge & spacing required.

Response: Provide 362S162-54 (3 5/8"-16 gage) metal ceiling joists at 4'-0" o.c. Provide a minimum 20 gage hat channel perpendicular to stud span at 4'-0", attached to each stud at the top flange of the studs. At locations in which ceiling joists span greater than 11'-0" provide a vertical 362S162-54 (3 5/8"-16 gage) metal stud from structure above to the ceiling joists attached to each joist.

14. Finish schedule does not match the reflective ceiling plan. Please clarify.

Response: The ceilings shall be built according to Finish Schedule, with the exception that the ceiling in New Male Drying Room 163 and New Female Drying Room 166 shall be GWB-2. The reflected ceiling plan for Bldg A, sheet A2.01A will be revised accordingly.

15. Acoustical ceiling AC-1 specifies 15/16 grid for acoustical tile 1912. Armstrong Ultima 1912 requires 9/16 grid. Please Clarify.

Response: Instead of Armstrong Ultima 1912, the specification for Acoustical Ceiling AC-1 is revised to Armstrong Ultima 1910, which requires a 15/16" suspension grid.

16. Finish schedule specifies aluminum grid for AC-1. Please clarify if aluminum grid is required for use in these rooms.

Response: *The acoustical ceiling suspension grid shall be aluminum.*

17. Specification section 10160 specifies plastic laminate covered toilet compartments and urinal screens. Same urinal screens (K1) is used in the group showers as shower screens. Considering that shower area is always wet. Please clarify if this is the intent.

Response: *Refer to revised Technical Specification Section 10160 - Toilet Partitions. The toilet compartments and urinal/shower screens are solid-plastic, polymer resin.*

18. Specification section 10160 – 3.01A specifies toilet compartments to be supported from structural floor above the ceiling. While toilet sections in A6.03 shows floor mounted toilet compartments. Please clarify.

Response: *Refer to revised Technical Specification Section 10160 - Toilet Partitions. The toilet compartments*

19. Section 5/A6.02 specifies solid surface counter top and back splash for vanity counters for building A & B toilets. However no specification has been provided for these solid surfaces. Please provide specification.

Response: *Lavatory counters shall be Acrylic Solid Surface (Hannex HL-038 Amber).*

20. Exhibit 4; "Proposal Form" requires base bid and alternate bid items (ABI). ABI 2 specifies all finishes in the new kitchen. Note #1 on A6.02 specifies all floor, wall & ceiling in new kitchen (room 169) are part of ABI #2.

A- Please clarify if metal stud framing & drywalls are part of base bid or ABI #2.

B- Are only wall finishes such as ceramic wall tile & floor tiles, paint and acoustical ceiling part of alternate ABI #2?

Response: *Metal stud framing and drywall are part of base bid. The finishes mentioned in ABI #2 refer to wall finishes such as ceramic wall tile & floor tiles, paint and acoustical ceiling*

21. Construction Documents do not provide any duration for construction of this project. Please provide construction duration.

Response: *Duration of construction is estimated at four to six months.*

22. At pre-bid meeting it was stated that scoped includes some repaving of existing asphalt around Bldg. B. However the construction documents do not show the limit of required repavement of existing asphalt. Please clarify.

Response: *The extent of required repavement of existing asphalt around Bldg. B is shown on Architectural Demolition Site Plan AD1.00 (key note 1) and Site Plan A1.00.*

23. On Pre-Bid / Site Visit Meeting and Addendum #1, it was stated that we have to include Permit Allowance of \$10,000 in our bid. However Exhibit 4 (Proposal Form) doesn't list any item for this Allowance. Should be the \$10,000 included in the base bid? Please clarify.

Response: The \$10,000 Permit Allowance shall be included in the base bid. Contractors must submit invoices for all permit fees. Fees that exceed the Permit Allowance will be reimbursed by the Department of Military Affairs, CFMO.

24. Mechanical plans do not specify type of air conditioning supply & return ductworks. Please clarify.

Response: Supply and return ducts shall be galvanized metal. See specification Section 15815 "Metal Ducts" for requirements

25. Please specify type of controls required for the HVAC.

Response: Controls are shown on drawing M6.01. See Specification Section 15900 "Instrumentation and Control for HVAC" for requirements.

26. On section 4/A4.00 note reads new metal stud system to support new suspended ceiling see structural drawings. Where on the structurals is this detail shown?

Response: See response to question #13. The structural drawings will be revised to reflect that information

27. On sheets A2.01A, A2.01B reflecting ceiling plan notes #7 for ceiling details refer to A5.02. Does this sheet exist?

Response: There are no ceiling details in the drawings. Sheet A5.02 does not exist. Please disregard reference to ceiling details and sheet A5.02.

28. Section 4/A4.00 shows cabinet at kitchen & counter at overhead door. Are these in the contract?

Response: Per item #3 of notes on sheet A6.02 at Enlarged Kitchen Plan, the stainless steel kitchen tables are not in contract (N.I.C.)

29. Are there any impact fees for the sanitary sewer and /or water? If so how much?

Response: Plans have not been submitted for permit, therefore the applicability of any impact fees, and the amount, has not been identified. The Owner will pay for any Impact Fees if applicable.

30. If the contractor pays for the 2" water meter, how much is that cost?

Response: Bidders must obtain the cost of water meter directly from Miami Dade Water and Sewer Department.

31. Are there any as-builts of fire sprinkler system? Note # 4 on sheet FP2.01 asks to extend existing systems. Please provide drawings on the existing system.

Response: There are no drawings of the existing fire sprinkler system available for bidding purposes.

32. Please clarify scope of work in AB-1 & AB-2. What bid item are doors, frames, and hardware? What bid item is acoustical ceiling? What bid item for ceiling lights & finished electrical devices?

Response: ABI #1: All work (all trades and every item) taking place on Building "B" must be priced separately.

ABI #2: All finishes in the new kitchen (acoustical ceiling, wall tile, floor tile) including the range and kitchen hood system. Metal stud framing and drywall, doors, frames and door hardware are part of base bid.

33. ItemNo.6 of the Pre-Bid Agenda of April 18th requires a permit allowance of \$10,000 to be included in the bid. Subsequent paragraphs (a), (b) and (c) state that the Contractor is obligated to pay for any/all building permits. Are DERM and Miami Dade County Water and Sewer permits and fees included in the allowance?

Response: See response to question # 23.

34. Who is responsible if the cost of the permits exceeds the \$10,000 allowance? Will the contractor be reimbursed for additional permit costs?

Response: See response to question # 23.

35. Exhibit 4 of the bid documents indicates that the bid should be broken down in three parts: Base Bid, Add/Alt #1 and Add/Alt. #2. However, drawing G0.01 indicates three alternate bids - ABI#1 for all work related to Bldg. "B"; ABI #2 for kitchen finishes and ABI#3 for stainless steel handrails and railings in lieu of galv. Steel painted. Should buildings "A" (756) and "B" be included in the base bid and should Alternates 1 and 2 be bids as indicated in G0.01 for the kitchen finishes and the railings? Please clarify.

Response: Exhibit 4 is a "boiler plate" form, which is meant to be adjusted to the particular conditions of each project. Bidders are directed on sheet G0.01 to price three separate Alternate Bid Items (ABI). Therefore Exhibit 4 of the Non-Tech Specifications must be adjusted to include an additional ABI. Bidders are hereby instructed to add Add/Alt #3 in order to properly reflect the project costs.

36. What type ductwork material is required for exhaust kitchen Hood. This could be welded Stainless Steel or welded Black. Where is this specified - on the Mechanical Drawings or Specs?

Response: Kitchen hood exhaust duct shall be stainless steel.

37. Note (1) on demolition drawing AD1.00 indicates the removal of " portion of asphalt layer and existing vegetation approximate 12'-0" from edge of pavement". Drawing A1.00 shows that most, if not all, existing open areas are to be paved and thus all existing landscaping (grass, trees, etc.) will have to be removed. Please, clarify.

Response: The same asphalt-paved area in front of Building "B", indicated to be removed on sheet AD1.00, is the exact same area that will be paved. All other existing asphalt pavement and existing landscaping (grass, trees, etc.) are "existing to remain". Sheet A1.00 will be revised accordingly.

38. Note (4) on drawing AD1.01A indicates the removal of" existing mechanical mezzanine including walls, steel beams, floor slab and equipment and prepare for new work. "Per visual inspection at walk-thru, there is no mechanical mezzanine to be demolished in this area to be demolished (only walls and slabs). Please clarify.

Response: *There is a structural floor (mechanical mezzanine) with steel joists and metal deck above the existing offices and supply room, which are indicated to be demolished (key note #4). Recommend that bidders visit the site to ascertain the existing conditions. There is no stair to access the existing mezzanine. Originally, the mezzanine was accessed by a removable ladder in the warehouse area but was removed. It can only be accessed by ladder from the warehouse. The steel structure of the mezzanine can be seen from inside the spaces to be demolished.*

39. Please indicate the time allowed for substantial completion and final completion of the project from date of NTP.

Response: *The time allowed is four to six months for the work in Bldg. "A" and a total of six months for both Bldg. "A" (756) and Bldg "B" (759) to be completed.*

40. Please provide the manufacturer and model of the existing fire alarm panel.

Response: *Refer to Technical Specification Section 16900 Digital Addressable Fire Alarm.*

41. General Demolition Note No. 3 states that "Asbestos Report will be provided." Please advise.

Response: *See response to question No. 2.*

42. When can an additional site visit be scheduled?

Response: *Site visits with subcontractors need to be scheduled by each bidder directly with the Homestead Armory, per instructions provided during the pre-bid meeting.*

43. Sheet M2.01: Please indicate if the kitchen hood is to be provided with fire dampers at the ductwork connections.

Response: *Fire dampers are not required.*

44. Sheet M2.01: Neither the plans nor the specifications specify the type of exhaust ductwork between the hood and fan KEF-1, normally either stainless or black steel. Please also define the type of insulation including whether the insulation needs to be fire rated.

Response: *Duct shall be stainless steel. Insulation shall be fire rated such as 3M Firewrap.*

45. Sheets M2.01 and M2.02: The plans don't indicate fire dampers at any wall penetrations. Please indicate if fire dampers are to be provided on fire rated walls (i.e. mechanical/mezzanine walls, electrical rooms).

Response: The only fire-rated walls are the walls that separate the Business Occupancy (existing and new air conditioned spaces) and the Storage occupancy (existing non- air conditioned warehouse space). All ducts are contained inside of the air conditioned space. Since there are no fire-rated walls inside that area, no dampers are required.

46. Sheets M2.01, M2.02 and M8.01: Please provide the routing of the new refrigerant lines. Given the fact that this is an existing building, we assume the new lines will be run above the ceiling thru the exterior wall and run exposed against the exterior wall and aboveground to their respective condensing unit. The detail on M8.01, however, indicates differently.

Response: Refrigerant piping may be routed above the ceiling to an exterior wall and then above grade to the condensing units. The refrigerant lines must run inside the building envelope, including down to an elevation above grade where it will penetrate the exterior wall as close as possible to the condensing units.

47. Please provide, if existing at the facility, the brand of controls the new units need to connect to. If there is no existing controls system, please indicate so.

Response: The existing control system is Trane.

48. Please indicate the type of existing structure the mechanical system –including the new FCU-2- needs to hang from. The site visit will clarify this question.

Response: The mechanical system will be hung from the existing roof structure, which consists of steel purlins, steel joists and metal deck. Refer to building sections #2, #4 and #5 on sheet A4.00. Also, refer to Detail on sheet M8.01.

END OF DOCUMENT



## SECTION 08334

### COILING COUNTER DOOR

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. This section includes crank operated, stainless steel coiling counter door.

##### 1.02 REFERENCES

- A. ANSI/UL 325 - Door, Drapery, Gate, Louver, and Window Operators and Systems.
- B. NFPA 80

##### 1.03 SYSTEM DESCRIPTION

- A. Hand crank unit with overhead counter balance device. Fire rated door with fusible link activated with automatically governed closing speed.

##### 1.04 SUBMITTALS

- A. Provide pertinent dimensioning, general construction, component connections and details, anchorage methods, hardware location and installation details.
- B. Submit sample of door slat for specified finish.

##### 1.05 OPERATION AND MAINTENANCE DATA

- A. Submit manufacturer's operation and maintenance data.

##### 1.06 WARRANTY

- A. Doors shall be warranted for a period of 2 years against defects in workmanship and materials.

#### PART 2 - PRODUCTS

- 2.01 Products by The Cookson Company, 2417 S. 50th Avenue, Phoenix, Arizona 85043, (602) 272-4244 are established as Basis of Design and shall serve to establish a standard of comparison for quality and product composition or construction. The use of a manufacturer's proprietary product names to designate materials and finish is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Subject to compliance with requirements of this section, at the sole discretion of the Architect, the following manufacturers are also acceptable:

- 1. Overhead Door Corporation, 2501 S. State Highway 121 Bus, Suite 200, Lewisville, TX

75067, 800-929-3667

2. Wayne-Dalton Corp. P. O. Box 67, Mt. Hope, OH 44660-0067, 800-827-3667

## 2.02 DOOR

A. Provide Cookson Type FD10-ST - Crank Operated Fire Door with Sill & Trim.

## 2.03 MATERIALS

A. Curtain: Interconnected strip stainless steel slats, 22 gauge No. 10 (1-1/4" high by 3/8" deep, #4 finish.

B. Bottom Bar: Tubular stainless steel, 2" high by 1-1/4" deep, #4 finish.

C. Integral Door Frame and Guides: 16 gauge stainless steel at the head and jambs and 14 gauge at the sill, #4 finish. All frame joints shall be flush and smooth.

D. Brackets: 11 gauge steel plate and shall receive one coat of paint.

E. Barrel: Steel tubing not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The barrel shall receive one (1) coat of rust-inhibiting prime paint.

F. Hood: 24 gauge stainless steel formed to fit brackets, #4 finish.

## 2.04 OPERATION

A. Doors shall be operated by means of a hand crank with a removable operating arm.

B. Doors shall have an automatic closing device, Sure-Close Release Spring and governor to control the downward speed of the door which shall become operational upon the fusing of a 160 degree fusible link. The door shall have an average closing speed of not less than 6" per second and not more than 24" per second as indicated in NFPA Bulletin 80.

## 2.05 LOCKING

A. Doors shall be secured by means of a concealed sliding bolt deadlock in the bottom bar operated by a cylinder lock.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

A. Examine substrates upon which work will be installed and verify conditions are in accordance with approved shop drawings.

B. Coordinate with the Contractor to correct unsatisfactory substrates.

C. Commencement of work by installer is acceptance of substrate.

3.02 INSTALLER

A. General: Install door and operating equipment with necessary hardware, anchors, inserts, hangers and supports.

B. Follow manufacturer's installation instructions.

3.03 ADJUSTING

A. Following completion of installation, including related work by others, lubricate, test and adjust doors for ease of operation, free from warp, twist or distortion.

3.04 CLEANING

A. Clean surfaces soiled by work as recommended by the manufacturer.

B. Remove surplus materials and debris from the site.

3.05 DEMONSTRATION

A. Demonstrate proper operation and maintenance procedures to the Owner.

END OF SECTION

## SECTION 10160

### TOILET PARTITIONS

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. This Section includes toilet compartments and screens as follows:
  - 1. Type: Solid-plastic, polymer resin.
  - 2. Compartment Style: Floor anchored.
  - 3. Screen Style: Wall anchored.
- B. Related Sections include the following:
  - 1. Division 10 "Toilet and Bath Accessories" for toilet paper holders, grab bars, purse shelves, and similar accessories.

##### 1.02 SUBMITTALS

- A. Product Data: For each type and style of toilet compartment and screen specified. Include details of construction relative to materials, fabrication, and installation. Include details of anchors, hardware, and fastenings.
- B. Shop Drawings: For fabrication and installation of toilet compartment and screen assemblies. Include plans, elevations, sections, details, and attachments to other work.
  - 1. Show locations of reinforcement and cutouts for compartment-mounted toilet accessories.
- C. Samples for Initial Selection: Manufacturer's color charts consisting of sections of actual units showing the full range of colors, textures, and patterns available for each type of compartment or screen indicated.
- D. Samples for Verification: Of each compartment or screen color and finish required, prepared on 6" square Samples of same thickness and material indicated for Work.

##### 1.03 PROJECT CONDITIONS

- A. Field Measurements: Verify dimensions in areas of installation by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
  - 1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating units without field measurements. Coordinate supports, adjacent construction, and fixture locations to ensure actual dimensions correspond to established dimensions.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. Verify color selection with owner and Architect before ordering.
- B. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - 1. Compression Polymers Group; Comtec Industries.
  - 2. Accurate Partitions Corporation
  - 3. Ampco Products, Inc.
  - 4. Bobrick Washroom Equipment, Inc.
  - 5. Global Steel Products Corp.
  - 6. Santana Products, Inc.

### 2.02 MATERIALS

- A. General: Provide materials that have been selected for surface flatness and smoothness. Exposed surfaces that exhibit pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections on finished units are unacceptable.
- B. Solid-Plastic, Polymer Resin: High-density polyethylene (HDPE) with homogenous color throughout. Provide material not less than 1" thick with seamless construction and eased edges in color and pattern as follows:
  - 1. Color and Pattern: One color and pattern in each room as selected by Architect from manufacturer's full range of colors and patterns.
- C. Pilaster Shoes: ASTM A 666, Type 302 or 304 stainless steel, not less than 0.0312 inch thick and 3" high, finished to match hardware.
  - 1. For solid-plastic, polymer-resin pilasters, in lieu of stainless-steel pilaster shoes and sleeves, manufacturer's standard plastic pilaster shoes and sleeves may be provided.
- D. Stirrup Brackets: Manufacturer's standard ear or U-brackets for attaching panels and screens to walls and pilasters are not permitted.
- E. Full-Height (Continuous) Brackets: Manufacturer's standard design for attaching panels and screens to walls and pilasters of the following material:
  - 1. Material for Solid Polymer Screens: Stainless Steel.
- F. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories of the following material:

1. Material: Stainless steel.
- G. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip in manufacturer's standard finish.
- H. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use hot-dip galvanized or other rust-resistant, protective-coated steel.

## 2.03 FABRICATION

- A. General: Provide standard doors, panels, screens, and pilasters fabricated for compartment system. Provide units with cutouts and drilled holes to receive compartment-mounted hardware, accessories, and grab bars, as indicated.
- B. Solid-Plastic, Polymer-Resin Compartments and Screens: Provide aluminum heat- sink strips at exposed bottom edges of HDPE units to prevent burning.
- C. Floor-Anchored Compartments: Provide manufacturer's standard corrosion-resistant anchoring assemblies complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters for structural connection to floor. Provide shoes at pilasters to conceal anchorage.
- D. Floor-Anchored Screens: Provide pilasters and panels of same construction and finish as toilet compartments. Provide manufacturer's standard corrosion-resistant anchoring assemblies complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters for structural connection to floor. Provide shoes at pilasters to conceal anchorage.
- E. Doors: Unless otherwise indicated, provide 24" wide in-swinging doors for standard toilet compartments and 36" wide out-swinging doors with a minimum 32" wide clear opening for compartments indicated to be handicapped accessible.
1. Hinges: Manufacturer's standard gravity self-closing type that can be adjusted to hold door open at any angle up to 90 degrees.
  2. Latch and Keeper: Manufacturer's standard surface-mounted latch unit with combination rubber-faced door strike and keeper. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be handicapped accessible.
  3. Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
  4. Door Bumper: Manufacturer's standard rubber-tipped bumpers at out-swinging doors or entrance screen doors.
  5. Door Pull: Manufacturer's standard unit that complies with accessibility requirements of authorities having jurisdiction at out-swinging doors. Provide units on both sides of doors at compartments indicated to be handicapped accessible.

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, plumb, and level. Provide clearances of not more than 1/2" between pilasters and panels and not more than 1 inch between panels and walls. Secure units in position with manufacturer's recommended anchoring devices.
  - 1. Secure panels to walls and panels with not less than 2 stirrup brackets attached near top and bottom of panel. Locate wall brackets so holes for wall anchors occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.
- B. Floor-Anchored Compartments: Set pilaster units with anchors penetrating not less than 2" into structural floor, unless otherwise indicated in manufacturer's written instructions. Level, plumb, and tighten pilasters. Hang doors and adjust so tops of doors are level with tops of pilasters when doors are in closed position.
- C. Screens: Attach with anchoring devices according to manufacturer's written instructions and to suit supporting structure. Set units level and plumb and to resist lateral impact.

### 3.02 ADJUSTING AND CLEANING

- A. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors and swing doors in entrance screens to return to fully closed position.
- B. Provide final protection and maintain conditions that ensure toilet compartments and screens are without damage or deterioration at the time of Substantial Completion.

END OF SECTION