

Date: November 17, 2020

## Addendum #4

Project: State of Delaware – OMB/ Division of Facilities Management  
Carvel State Office Building – Cafeteria Renovations  
OMB/DFM Project #MC1002000445

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The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

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### Clarifications:

1. Mounting hardware for artwork to be security hangers locking hardware with concealed t-screws to firmly secure artwork to wall to prevent accidental movement and theft.
2. LVT1 basis of design finish to be Armstrong Natural Creations with Diamond 10 Technology – “Mixers on the Rocks” 18” x 36”
3. LVT2 basis of design finish to be Armstrong Natural Creations Classics Luxury Flooring – “Silk Scarf Black Silver” Size 18” x 18”
4. Solid Surface basis of design finish to be Corian – Laguna.
5. Laminate basis of design finish to be Wilsonart – North Sea.
6. The following substitutions have been approved:
  - a. Fixture Type A – Pinnacle Architectural Lighting – Chute CDI – 4” Open Suspended Linear Direct/Indirect
  - b. Fixture Type B – Pinnacle Architectural Lighting – Edge EV1 – 1” Recessed Linear
  - c. Fixture Type C1 – SPI Lighting – Seneca – AIP9043 24 in
  - d. Type D = Elite Oracle # 22-OD1V-LED-3506L-DIM10-MVOLT-40K-85-10-YEAR-WARRANTY-FULL DOOR ASSEMBLY-SPX(L70@200,000 HOURS)
  - e. Type F = Elite Oracle # 22-OD1V-LED-3506L-DIM10-MVOLT-40K-85-10-YEAR-WARRANTY-FULL DOOR ASSEMBLY-SPX(L70@200,000 HOURS)
7. Light Fixture C3 will be Owner Supplied, Contractor installed.

### Changes to the Specifications:

1. 08 41 23 – FIRE RATED GLASS AND FRAMING SYSTEMS
  - a. Section 2.01 I. 4. - Add 2 wall stop – 1270 CX by Trimco, finish 626 to Door Hardware. No specification will be issued to reflect this change.
2. 08 71 00 – DOOR HARDWARE
  - a. Updated hardware set.
3. Added 06 40 00 – ARCHITECTURAL WOODWORK
4. Removed 12 30 40 – LAMINATE CLAD CASEWORK
5. Added 12 36 00 - COUNTERTOPS

**Changes to the Drawings:**

1. E-000
  - a. C3 fixture is to be Owner Supplied, Contractor Installed. No drawing will be issued to reflect this change.

**RFIs:**

1. Spec section 12 3 40 listed manufacturers limits competitive bidding to 1 or 2 local contractors/dealers. Can spec section 12 30 40 be removed and replaced with 06 41 00 Architectural Wood Casework? This will allow more local contractors to provide pricing.  
**See changes to the specifications.**
2. For type C3:  
Is this a custom modification? I don't see that the CP2000 is available as a triple cluster.  
If it's indeed a custom or modification, will there be an allowance noted in addenda, or an alternative?  
**See clarifications item no. 7.**

**END**

**SECTION 06 41 00**  
**ARCHITECTURAL WOOD CASEWORK**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Specially fabricated cabinet units.
- B. Countertops.
- C. Cabinet hardware.

**1.02 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
- C. Product Data: Provide data for hardware accessories.

**1.03 DELIVERY, STORAGE, AND HANDLING**

- A. Protect units from moisture damage.

**1.04 FIELD CONDITIONS**

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

**PART 2 PRODUCTS**

**2.01 CABINETS**

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Plastic Laminate Faced Cabinets: Custom grade.
- C. Cabinets:
  - 1. Finish - Exposed Exterior Surfaces: Decorative laminate.
  - 2. Finish - Semi-Exposed Surfaces: Solid phenolic
  - 3. Finish - Semi-Exposed Surfaces: Mel
  - 4. Finish - Concealed Surfaces: Manufacturer's option.
  - 5. Door and Drawer Front Edge Profiles: Square edge with thin applied band.
  - 6. Cabinet Construction Type: Frameless, flush overlay.
  - 7. Plastic Laminate

**2.02 LAMINATE MATERIALS**

- A. Manufacturers:
  - 1. Arborite; ColorEdge: [www.arborite.com/#sle](http://www.arborite.com/#sle).
  - 2. Formica Corporation; \_\_\_\_: [www.formica.com/#sle](http://www.formica.com/#sle).
  - 3. Wilsonart LLC; \_\_\_\_: [www.wilsonart.com/#sle](http://www.wilsonart.com/#sle).
  - 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Thermally Fused Laminate (TFL): Melamine resin, NEMA LD 3, Type VGL laminate panels.
- C. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- D. Provide specific types as indicated.
  - 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, color as selected, finish as selected.
  - 2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, color as selected, finish as selected.

3. Cabinet Liner: CLS, 0.020 inch nominal thickness, color as selected, finish as selected.
4. Laminate Backer: BKL, 0.020 inch nominal thickness, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

## **2.03 COUNTERTOPS**

- A. Countertops are specified in Section 12 36 00.

## **2.04 ACCESSORIES**

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edge Banding: Extruded PVC, flat shaped; smooth finish; self locking serrated tongue; of width to match component thickness.
  1. Color: As selected by Architect from manufacturer's full range.
  2. Use at all exposed plywood edges.
- C. Fasteners: Size and type to suit application.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- E. Concealed Joint Fasteners: Threaded steel.
- F. Grommets: Standard plastic, painted metal, or rubber grommets for cut-outs, in color to match adjacent surface.

## **2.05 HARDWARE**

- A. Adjustable Shelf Supports: Drilled holes and stainless steel pins for nominal 1 inch spacing adjustments.
- B. Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 4 inch centers.
- C. Drawer Slides:
  1. Type: Full extension.
  2. Static Load Capacity: Commercial grade.
  3. Mounting: Side mounted.
  4. Stops: Integral type.
  5. Features: Provide self closing/stay closed type.
- D. Hinges: European style concealed self-closing type, steel with polished finish.

## **2.06 FABRICATION**

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Locate counter butt joints minimum 2 feet from sink cut-outs.
  1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
- E. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Seal cut edges.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

#### **3.02 INSTALLATION**

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Use fixture attachments in concealed locations for wall mounted components.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units and countertops.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- F. Secure cabinets to floor using appropriate angles and anchorages.

#### **3.03 ADJUSTING**

- A. Adjust moving or operating parts to function smoothly and correctly.

#### **3.04 CLEANING**

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

**END OF SECTION**

**SECTION 08 71 00**  
**DOOR HARDWARE**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Hardware for hollow steel doors.
- B. Hardware for fire-rated doors.

**1.02 RELATED REQUIREMENTS**

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 14 16 - Flush Wood Doors.
- C. Section 08 41 23 - Fire Rated Glass and Framing Systems

**1.03 REFERENCE STANDARDS**

- A. 36 CFR 1191 - Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities; Final Rule; (ADA Standards for Accessible Design).
- B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design.
- C. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council.
- D. BHMA A156.1 - American National Standard for Butts and Hinges.
- E. BHMA A156.2 - American National Standard for Bored and Preassembled Locks & Latches.
- F. BHMA A156.3 - American National Standard for Exit Devices.
- G. BHMA A156.4 - American National Standard for Door Controls - Closers.
- H. BHMA A156.5 - American National Standard for Cylinders and Input Devices for Locks.
- I. BHMA A156.6 - American National Standard for Architectural Door Trim.
- J. BHMA A156.7 - American National Standard for Template Hinge Dimensions.
- K. BHMA A156.8 - American National Standard for Door Controls - Overhead Stops and Holders.
- L. BHMA A156.9 - American National Standard for Cabinet Hardware; Builders Hardware Manufacturers Association (ANSI/BHMA A156.9).
- M. BHMA A156.17 - American National Standard for Self Closing Hinges & Pivots.
- N. BHMA A156.22 - American National Standard for Door Gasketing and Edge Seal Systems, Builders Hardware Manufacturers Association.
- O. BHMA A156.31 - American National Standard for Electric Strikes and Frame Mounted Actuators.
- P. ICC A117.1 - Accessible and Usable Buildings and Facilities.
- Q. NFPA 80 - Standard for Fire Doors and Other Opening Protectives.
- R. NFPA 101 - Life Safety Code.
- S. UL (DIR) - Online Certifications Directory.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Coordinate the manufacture, fabrication, and installation of products onto which door hardware will be installed.
- B. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- C. Convey Owner's keying requirements to manufacturers.

- D. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; require attendance by all affected installers.

#### **1.05 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project.
- C. Hardware Schedule: Detailed listing of each item of hardware to be installed on each door. Use door numbering scheme as included in the Contract Documents. Identify electrically operated items and include power requirements.
- D. Keying Schedule: Submit for approval of Owner.
- E. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.
- F. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- G. Keys: Deliver with identifying tags to Owner by security shipment direct from hardware supplier.
- H. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
  - 2. Tools: One set of all special wrenches or tools applicable to each different or special hardware component, whether supplied by the hardware component manufacturer or not.

#### **1.06 QUALITY ASSURANCE**

- A. Hardware Supplier Personnel: Employ an Architectural Hardware Consultant (AHC) to assist in the work of this section.

#### **1.07 DELIVERY, STORAGE, AND HANDLING**

- A. Package hardware items individually; label and identify each package with door opening code to match hardware schedule.

#### **1.08 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

### **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. Provide all items of a single type of the same model by the same manufacturer.
- C. Provide products that comply with the following:
  - 1. Applicable provisions of federal, state, and local codes.
  - 2. Accessibility: ADA Standards and ICC A117.1.
  - 3. Applicable provisions of NFPA 101, Life Safety Code.
  - 4. Fire-Rated Doors: NFPA 80.
  - 5. Hardware on Fire-Rated Doors, Except Hinges: Listed and classified by UL (DIR) as suitable for the purpose specified and indicated.
  - 6. Hardware for Smoke and Draft Control Doors : Provide hardware that enables door assembly to comply with air leakage requirements of the applicable code.
  - 7. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified and indicated.

- D. Function: Lock and latch function numbers and descriptions of manufactures series as listed in hardware schedule.
- E. 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.
- F. Finishes: Identified in schedule.

## **2.02 LOCKS AND LATCHES**

- A. Locks: Provide a lock for every door, unless specifically indicated as not requiring locking.
  - 1. If no hardware set is indicated for a swinging door provide an office lockset.
  - 2. Trim: Provide lever handle or pull trim on outside of all locks unless specifically stated to have no outside trim.
  - 3. 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: Grand master keyed.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

## **2.03 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.
  - 3. Provide hinges in the quantities indicated.
  - 4. Provide non-removable pins on exterior outswinging doors.
  - 5. Where electrified hardware is mounted in door leaf, provide power transfer hinges.
- B. Quantity of Hinges Per Door:
  - 1. Doors up to 60 inches High: Two hinges.
  - 2. Doors From 60 inches High up to 90 inches High: Three hinges.
- C. Manufacturers - Hinges:
  - 1. Assa Abloy McKinney: [www.assaabloydss.com/#sle](http://www.assaabloydss.com/#sle).
  - 2. Bommer Industries, Inc: [www.bommer.com/#sle](http://www.bommer.com/#sle).
  - 3. Hager Companies: [www.hagerco.com/#sle](http://www.hagerco.com/#sle).

## **2.04 PIVOTS**

- A. Pivots: Comply with BHMA A156.17.
- B. Manufacturers - Pivots:
  - 1. Assa Abloy McKinney or Rixson: [www.assaabloydss.com/#sle](http://www.assaabloydss.com/#sle).
  - 2. DORMA Group North America: [www.dorma-usa.com/usa](http://www.dorma-usa.com/usa).
  - 3. Ives, an Allegion brand: [www.allegion.com/us](http://www.allegion.com/us).

## **2.05 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/#sle](http://www.assaabloydss.com/#sle).
  - 2. Hager Companies: [www.hagerco.com/#sle](http://www.hagerco.com/#sle).



3. Triangle Brass Manufacturing Co., Inc: [www.trimcobbw.com/#sle](http://www.trimcobbw.com/#sle).

## **2.06 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: Grand master keyed.
- D. Latches: Provide a latch for every door that is not required to lock, unless specifically indicated "push/pull" or "not required to latch".

## **2.07 CYLINDRICAL LOCKSETS**

- A. Locking Functions: As defined in BHMA A156.2, and as follows:
  - 1. Office: F81, key not required to lock, remains locked upon exit.
- B. Manufacturers - Cylindrical Locksets:
  - 1. Assa Abloy Corbin Russwin, Sargent, or Yale: [www.assaabloydss.com/#sle](http://www.assaabloydss.com/#sle).
  - 2. Best Access Systems, division of Stanley Security Solutions: [www.bestlock.com/#sle](http://www.bestlock.com/#sle).
  - 3. Schlage, an Allegion brand: [www.allegion.com/us](http://www.allegion.com/us).

## **2.08 ELECTRIC STRIKES**

- A. Electric Strikes: Complying with BHMA A156.31 and UL listed as a Burglary-Resistant Electric Door Strike; style to suit locks.
- B. Manufacturers:

## **2.09 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.
  - 5. At outswinging exterior doors, mount closer in inside of door.
- B. Manufacturers - Closers:
  - 1. Assa Abloy Corbin Russwin, Norton, Rixson, Sargent, or Yale: [www.assaabloydss.com/#sle](http://www.assaabloydss.com/#sle).
  - 2. DORMA Group North America: [www.dorma-usa.com/usa](http://www.dorma-usa.com/usa).
  - 3. Hager Companies: [www.hagerco.com/#sle](http://www.hagerco.com/#sle).
  - 4. LCN, an Allegion brand: [www.allegion.com/us](http://www.allegion.com/us).

## **2.10 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. If wall stops are not practical, due to configuration of room or furnishings, provide overhead stop.

3. Stop is not required if positive stop feature is specified for door closer; positive stop feature of door closer is not an acceptable substitute for a stop unless specifically so stated.

## **2.11 GASKETING AND THRESHOLDS**

- A. Gaskets: Complying with BHMA A156.22.
  1. On doors indicated as "sound-rated", "acoustical", or with an STC rating, provide sound-rated gaskets and automatic door bottom; make gaskets completely continuous, do not cut or notch gaskets for installation.

## **2.12 PROTECTION PLATES AND ARCHITECTURAL TRIM**

- A. Protection Plates:
  1. Kickplate: Provide on push side of every door with closer, except storefront and all-glass doors.
  2. Mop Plates:

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that doors and frames are ready to receive work; labeled, fire-rated doors and frames are present and properly installed, and dimensions are as indicated on shop drawings.

### **3.02 INSTALLATION**

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Install hardware on fire-rated doors and frames in accordance with code and NFPA 80.
- D. Mounting heights for hardware from finished floor to center line of hardware item:

### **3.03 ADJUSTING**

- A. Adjust work under provisions of Section 01 70 00.
- B. Adjust hardware for smooth operation.

### **3.04 CLEANING**

- A. Clean adjacent surfaces soiled by hardware installation. Clean finished hardware per manufacturer's instructions after final adjustments has been made. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

### **3.05 PROTECTION**

- A. Protect finished Work under provisions of Section 01 70 00.
- B. Do not permit adjacent work to damage hardware or finish.

## **HARDWARE SETS**

### **CARVEL STATE OFFICE BUILDING - CAFETERIA**

#### **HARDWARE SET #: 1A - PRS DRS**

#### **D233-1, BASE BID**

- A. Existing door, frame and hardware to remain. Service and adjust hardware to provide smooth, fully functioning operation. Replace gaskets/silencers.

**HARDWARE SET #: 1B - PRS DRS**  
**D233-1, ALTERNATE 1**

- A. Door hardware specified in Section 08 41 23 - Fire Rated Glass and Framing Systems.

**HARDWARE SET #: 2 - SGL DRS**  
**D233-2**

**OPENING TO HAVE:**

**QTY DESCRIPTION**

- A. 1 CONTINUOUS HINGE A500 x FULL HEIGHT
- B. 1 COMMUNICATING LOCKSET 93K7-W-14C-S3
- C. 1 DOOR CLOSER D-4550
- D. 1 DRIP CAP R201-D
- E. 1 TEAR DROP SEAL 797B x HEAD & JAMBS
- F. 1 THRESHOLD S483APR x SRS x FHSL x FULL WIDTH
- G. 1 DOOR SWEEP 772A x FULL WIDTH

**FINISH MFG**

- 630 ABH
- 626 BEST
- 689 STANLEY
- DKB REESE
- BLK REESE
- 628 REESE
- 628 REESE

**HARDWARE SET #: 3 - PRS DRS**  
**D234A, RHR LEAF ACTIVE**

**OPENING TO HAVE:**

**QTY DESCRIPTION**

- A. 6 HINGE CB168 4.5 x 4.5 x NRP
- B. 1 STOREROOM LOCKSET 93K7-D-14C-S3 WITH CORE
- C. 1 TOP & BOTTOM SURFACE BOLTS 3900MD
- D. 1 DUST PROOF STRIKE
- E. 2 OVERHEAD STOP
- F. 2 KICK PLATE 10" x 2" LDW .050 x B4E x CTSK
- G. 2 MOP PLATE 6" x 1" LDW .050 x B4E x CTSK
- H. 6 SILENCERS 1229A
- I. 1 CONSTRUCTION CORE

**FINISH MFG**

- 652 STANLEY
- 626 BEST
- 626 TRIMCO
- 626 TRIMCO
- 630 ROCKWOOD
- 630 TRIMCO
- 630 TRIMCO
- GRAY TRIMCO

**HARDWARE SET #: 4 - PRS DRS**  
**D234, LHR LEAF ACTIVE**

**OPENING TO HAVE:**

**QTY DESCRIPTION**

- A. 6 HINGE CB168 4.5 x 4.5 x NRP
- B. 1 KEYED REMOVABLE MULLION 1340KR-8 x L WITH CORE
- C. 1 RIM EXIT DEVICE 9308 x YC08 x L WITH CORE

**FINISH MFG**

- 652 STANLEY
- 600 DORMA KABA
- 630 DORMA KABA

- D. 1 DEAD BOLT, KEY BOTH SIDES
- E. 1 DOOR CLOSER D-4550
- F. 2 KICK PLATE 10" x 2" LDW .050 x B4E x CTSK
- G. 2 MOP PLATE 6" x 1" LDW .050 x B4E x CTSK
- H. 6 SILENCERS 1229A

626 BEST  
689 STANLEY  
630 TRIMCO  
630 TRIMCO  
GRAY TRIMCO

**END OF SECTION**

**SECTION 12 36 00**  
**COUNTERTOPS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Countertops for architectural cabinet work.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 41 00 - Architectural Wood Casework.

**1.03 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.
- F. Test Reports: Chemical resistance testing, showing compliance with specified requirements.

**1.04 DELIVERY, STORAGE, AND HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

**1.05 FIELD CONDITIONS**

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

**PART 2 PRODUCTS**

**2.01 COUNTERTOPS**

- A. Solid Surfacing Countertops: Solid surfacing sheet or plastic resin casting over continuous substrate.
  - 1. Flat Sheet Thickness: 1/2 inch, minimum.
  - 2. Solid Surfacing Sheet and Plastic Resin Castings: Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.
    - a. Manufacturers:
      - 1) Formica Corporation; \_\_\_\_\_: [www.formica.com/#sle](http://www.formica.com/#sle).
      - 2) Wilsonart; \_\_\_\_\_: [www.wilsonart.com/#sle](http://www.wilsonart.com/#sle).
      - 3) Corian; [www.corian.com/](http://www.corian.com/)
      - 4) Substitutions: See Section 01 60 00 - Product Requirements.
    - b. Finish on Exposed Surfaces: Matte, gloss rating of 5 to 20.
  - 3. Other Components Thickness: 1/2 inch, minimum.
  - 4. Back and End Splashes: Same sheet material, square top; minimum 4 inches high.

## **2.02 FABRICATION**

- A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
  - 1. Join lengths of tops using best method recommended by manufacturer.
  - 2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
  - 3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.
- B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
  - 1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.
  - 2. Height: 4 inches, unless otherwise indicated.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

### **3.02 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### **3.03 INSTALLATION**

- A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.
- B. Seal joint between back/end splashes and vertical surfaces.

### **3.04 TOLERANCES**

- A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.
- B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum.
- C. Field Joints: 1/8 inch wide, maximum.

### **3.05 CLEANING**

- A. Clean countertops surfaces thoroughly.

### **3.06 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

**END OF SECTION**