

## ADDENDUM NO. 5

### PART I - GENERAL

#### 1.1 PROJECT INFORMATION

- A. Project Name: Renovations and Addition to Old City Hall, Quincy, MA
- B. Owner: City of Quincy
- C. Architect: Holmes & Edwards, Inc.
- D. Architect Project Number: #1003
- E. Date of Addendum: July 29, 2013

#### 1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all General Contractors and Subcontractors pursuant to the Instruction to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual and Drawings. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

##### 1. **Low Filed Sub-bidder- Plumbing**

**The City of Quincy has elected to accept Alternate #1. As a result the low filed sub-bidder for Plumbing is Compass Plumbing & Heating, Inc. with a bid amount of \$220,000.**

**General Contractors are instructed to carry Compass Plumbing & Heating in the amount of \$220,000 in their bid.**

##### 2. **Filed Sub-bid Withdrawal – HVAC**

**General Air Conditioning & Heating, Dorchester, MA, the low filed sub-bidder, has withdrawn its bid in the amount of \$980,000 as submitted on Wednesday July 24, 2013. Withdrawal due to clerical/mathematical error.**

**General Contractors are instructed to carry the next low bidder – General Mechanical Contractors, Inc., Auburn, MA in the amount of \$1,269,000 in their bid.**

## **SPECIFICATIONS**

Section 072100 – Thermal Insulation – Revised Section ADDED

Section 087100 – Door Hardware – ADDED

Section 097200 –Wall Coverings – Revised Section ADDED

## **DRAWINGS**

### CIVIL

HSH-SK02, dated 7/29/13  
Revised Sump Pump Detail

### ARCHITECTURAL

A-110A, Old City Hall - Enlarged Basement Floor Plan  
Detail tag on column line 3 – Change 3/A-404 to read 2/A404

### A-201, Exterior Elevations

Bird Control System as specified - to be installed on the pediment of the east elevation as indicated, and on all other elevations shown on Dwg A-201 where bird spikes are scheduled to be removed. Approximate total length is 220 feet.

### A-702, Door Schedule, Door & Frame Types and Details

Door No. 201 - door type indicated as “FG” to be changed to read “FGW”.

### STRUCTURAL

### S-100N, New Foundation Plan

The three (3) section tags located on 3 sides of vault – change from 6/S-300 to read 2/S-300.

## **CLARIFICATIONS**

1. Attic Insulation: Refer to Drawings A-301, A-302 and A-303 for details/notes regarding insulation in floor and roof framing of ATTIC/MECH area.
2. Delete reference and notes on Drawing A-401 that refers to spray-foam insulation.
3. No concrete underpinning required between column lines 1E & 1L as shown on drawings S-100N & Detail 1 on Drawing A-401.
4. Underpinning of all adjacent areaway structures new & existing required. Refer to Note 2 on Drawing S-002 under X. Engineering Requirements for Contractor.

**ATTACHMENTS:**

|                |  |
|----------------|--|
| Section 072100 | Thermal Insulation (Revised)             |
| Section 087100 | Door Hardware (New)                      |
| Section 097200 | Wall Coverings (Revised)                 |
| SK- 2          | Sump Pump Detail (Revised dated 7/29/13) |

END OF ADDENDUM NO. 5

SECTION 072100  
THERMAL INSULATION

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. Insulation under slabs-on-grade.
  - 2. Perimeter foundation wall insulation.
  - 3. Cavity wall insulation.
- B. Alternates: Not Applicable.
- C. Items To Be Installed Only: Not Applicable.
- D. Items To Be Furnished Only: Not Applicable.
- E. Related Work: The following items are not included in this Section and are specified under the designated Sections:
  - 1. Section 072700 - AIR BARRIERS for air and vapor barrier membrane.
  - 2. Section 075300 - EPDM ROOFING for roofing insulation.
  - 3. Section 092110 - GYPSUM BOARD ASSEMBLIES for acoustic insulation in gypsum board assemblies.
  - 4. Division 22 - PLUMBING for plumbing insulation.
  - 5. Division 23 - HEATING, VENTILATING, AND AIR CONDITIONING for mechanical insulation.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Cavity Wall Insulation Certification: Submit manufacturer's certification that cavity wall insulation, as designed in the assemblies indicated on the Drawings, has been tested to meet the requirements of NFPA 285 and passed.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain each type of building insulation through one source from a single manufacturer.

- B. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
- C. Fire Test Performance for Insulation in Cavity Wall: Passes NFPA 285, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect insulation materials from physical damage and from deterioration by moisture, soiling, and other sources. Store in a dry and secure location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.
- B. Protect plastic and spray polyurethane foam insulation as follows:
  - 1. Do not expose to sunlight, except to extent necessary for period of installation and concealment.
  - 2. Protect against ignition at all times. Do not deliver materials to Project site before installation time.
  - 3. Complete installation and concealment of materials as rapidly as possible in each area of construction.

### PART 2 - PRODUCTS

#### 2.1 FOUNDATION WALL AND UNDER SLAB INSULATION

- A. 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. DiversiFoam Products.
  - 2. Dow Chemical Company.
  - 3. Owens Corning.
- B. Board Insulation: Extruded-polystyrene board insulation complying with ASTM C 578, square edged of type, density, and compressive strength indicated below:
  - 1. For vertical applications, Type IV, 1.6-lb/cu. ft. minimum density and 25-psi minimum compressive strength.
  - 2. For horizontal applications, pedestrian traffic, Type VII, 2.2-lb/cu. ft. minimum density and 60-psi minimum compressive strength.
  - 3. For horizontal applications, vehicular traffic, Type V, 3-lb/cu. ft. minimum density and 100-psi minimum compressive strength.
- C. Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation securely to substrates indicated without damaging insulation and substrates.

#### 2.2 CAVITY WALL INSULATION

- A. 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. DiversiFoam Products.
  2. Dow Chemical Company.
  3. Owens Corning.
- B. Extruded-Polystyrene Board Insulation: ASTM C 578, Type X, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, and ASTM D 1621 compressive strength of 15 pounds per square inch minimum.
- C. Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation securely to substrates indicated without damaging insulation and substrates.

### **2.3 SPRAY POLYURETHANE FOAM INSULATION**

- A. **Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:**
1. **BASF Corporation; WALLTITE.**
  2. **CertainTeed Corporation; CertaSpray.**
  3. **Corbond Corporation, a division of Johns Manville; Corbond III.**
  4. **Dow Chemical Company; STYROFOAM Spray Polyurethane Foam (CM Series).**
  5. **Henry Company; PERMAX.**
  6. **NCFI Polyurethanes; InsulBloc.**
- B. **Basis-of-Design: InsulBloc by NCFI.**
- C. **Closed-Cell Polyurethane Foam Insulation: ASTM C 1029, Type II, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, per ASTM E 84.**
1. **Minimum density of 1.5 lb/cu. ft., thermal resistivity of 6.2 deg F x h x sq. ft./Btu x in. at 75 deg F.**
  2. **Foam Repair Kit: Closed-cell foam sealants approved by insulation manufacturer.**
  3. **Seam Tape: Butyl Seam Tape by NCFI.**
  4. **Moisture Detection Paper Strips: MDP Strips by NCFI.**

### **2.4 SPRAYED-FOAM INSULATION AT GAPS**

- A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
1. Canam Building Envelope Specialists; Zerodraft Z1-24 Foam Sealant.
  2. Dow Chemical; GreatStuff Pro.
  3. Foam-Tech Div. of H.C. Fennell; SuperGreen Foam.
  4. Todol Products; Pur Fill 1G.
- B. Sprayed-Foam Insulation: Water-cure closed cell polyurethane containing no urea-formaldehyde and no CFCs.
1. Minimum density of 0.4 lb/cu. ft., thermal resistivity of 3.4 deg F x h x sq. ft./Btu x in. at 75 deg F.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements of Sections in which substrates and related work are specified and for other conditions affecting performance.
  - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates of substances harmful to insulation or vapor retarders, including removing projections capable of puncturing vapor retarders or of interfering with insulation attachment.

3.3 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's written instructions applicable to products and application indicated.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, and snow.
- C. Extend insulation in thickness indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
- D. Miscellaneous Voids: Install spray polyurethane foam insulation in miscellaneous voids and cavity spaces where required to prevent gaps in insulation.

3.4 INSTALLATION OF BELOW-GRADE INSULATION

- A. On vertical surfaces, set rigid insulation units in adhesive applied according to manufacturer's written instructions. Use adhesive recommended by insulation manufacturer.
  - 1. If not otherwise indicated, extend insulation a minimum of 48 inches below exterior grade line.
- B. On horizontal surfaces, loosely lay rigid insulation units according to manufacturer's written instructions. Stagger end joints and tightly abut insulation units.

3.5 INSTALLATION OF CAVITY-WALL INSULATION

- A. On units of foam-plastic board insulation, install pads of adhesive spaced approximately 24 inches o.c. both ways on inside face, and as recommended by manufacturer. Fit courses of insulation between wall ties (if applicable) and other obstructions, with edges butted tightly in both directions. Press units firmly against inside substrates indicated. Fill gaps with compatible insulating material.

3.6 INSTALLATION OF INSULATION FOR FRAMED CONSTRUCTION

- A. Spray Polyurethane Foam: Comply with recommendations of the American Chemistry Council, “Health and Safety Product Stewardship Workbook for High-Pressure Application of Spray Polyurethane Foam (SPF).”**
- 1. Closed Cell Spray Polyurethane Foam: Spray insulation no greater than 1-1/2 inch thickness per layer. Allow each layer to fully cure before spraying additional thickness.**
  - 2. Contain and fully ventilate the area being sprayed with negative air machines, venting directly to the exterior. Do not operate permanent building HVAC system during installation. Continue ventilation during curing process.**
  - 3. Install spray polyurethane foam insulation with uniform full thickness and with density which will not displace adjacent materials.**
- B. Spray-Applied Insulation: Apply spray-applied insulation according to manufacturer's written instructions. Do not apply insulation until installation of pipes, ducts, conduits, wiring, and electrical outlets in walls is completed and windows, electrical boxes, and other items not indicated to receive insulation are masked. After insulation is applied, make flush with face of studs by using method recommended by insulation manufacturer.**

3.7 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.**

END OF SECTION

SECTION 087100  
DOOR HARDWARE

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Include GENERAL CONDITIONS and applicable parts of Division 1 as part of this Section.
- B. Examine all drawings and all other Sections of the Specifications for requirements which affect work under this Section whether or not such work is specifically mentioned in this Section.
- C. Coordinate work with that of all other trades affecting, or affected by work of this Section. Cooperate with such trades to assure the steady progress of all work under the Contract.

1.02 SCOPE

- A. The work of this Section consists of furnishing all finish hardware, except specific items specified to be provided under other Sections, including all related items and services specified herein.

1.03 RELATED WORK UNDER OTHER SECTIONS

- A. The following items of related work are specified and included in other Sections of the Specifications:
  - 1. SECTION 061000 - ROUGH CARPENTRY: Rough hardware.
  - 2. Installation of finish hardware furnished under this Section is specified under SECTION 064020 – ARCHITECTURAL WOODWORK.
  - 3. SECTION 102800 – TOILET ACCESSORIES: Toilet Room accessories.
  - 4. SECTION 220000 - PLUMBING
  - 5. SECTION 230000 - HEATING & VENTILATION
  - 6. SECTION 260000 - ELECTRICAL

#### 1.04 QUALITY ASSURANCE

- A. Qualifications of Supplier:
1. Submit name of proposed supplier and brand of hardware for approval before preparation of schedule.
  2. Supplier shall have an established place of business offering builder's hardware with supply of replacement parts for proposed brand of hardware.
  3. Supplier shall have in his employ a member of American Society of Architectural Hardware Consultant (AHC) who shall prepare complete hardware and keying schedule in consultation with Architect.

#### 1.05 SCHEDULES AND TEMPLATES

- A. The Hardware Supplier shall submit to the Architect five (5) complete hardware schedules, as proposed, within ten (10) days after the receipt of written request of the Contractor. Submit therewith complete catalog cuts and descriptive data of all items specifically scheduled herein. This schedule shall include a complete door index with hardware item reference.
- B. The Hardware Supplier shall furnish all templates required by all other Sections of the Specifications at such times and in such quantities as requested.

#### 1.06 PACKING AND MARKING

- A. All hardware shall be delivered to the site in packages which are legibly marked with labels indicating manufacturer's numbers, types, sizes, hardware schedule reference number, hand and keying.
- B. Each hardware item shall be wrapped together with all screws, bolts, and fastenings necessary for its proper installation.

#### 1.07 DELIVERY, RECEIVING AND STORAGE

- A. Delivery of hardware shall be made to the building by the hardware Supplier in accordance with the instructions of the Contractor.
- B. The Contractor shall be responsible for all items of hardware after receipt from the supplier, and the Contractor shall replace all lost or damaged hardware.

- C. The Contractor shall furnish the Hardware Supplier with receipts for all hardware and accessory items received, and he shall send copies of these receipts to the Architect.
- D. The Contractor shall provide adequate locked storage space with shelving, and shall be responsible for the scheduled quantities of hardware after delivery.

#### 1.08 KEYING

- A. All cylinders shall be construction master keyed. All cylinders shall be grand master keyed as directed later. The following shall be furnished:
  - 1. Two (2) keys shall be furnished with each cylinder or lock.
  - 2. Six (6) each master keys.
  - 3. Ten (10) construction keys.

#### 1.09 HARDWARE FINISHES

- A. All hardware finishes shall be as noted on the Hardware Schedule.

#### 1.10 WORKMANSHIP

- A. All hardware shall be of the best grade of solid metal entirely free from imperfections in manufacture and finish.
- B. Quantities, weights, and sizes given are the minimum that will be accepted. It is the responsibility of the Hardware Supplier to furnish the specified size and weight of hardware and fastenings and the proper function of hardware in each case.

#### 1.11 CODES AND REGULATIONS

- A. All hardware listed or furnished shall meet requirements of Federal, State, Local, and Handicap Codes having jurisdiction over this installation. Any item furnished or installed that does not meet code requirements, shall be removed and proper items substituted at no additional cost or expense to the Owner.
- B. Provide hardware for fire rated openings in compliance with A.I.A. (NBFU) Pamphlet No. 80 and NFPA Standards No. 80 and No. 101. This requirement takes precedence over other requirements for such hardware. Provide only hardware which has been

tested and listed by UL for the types and sizes of doors required, and complies with the requirements of the doors and door frame labels.

- C. Hardware requiring special throws, projections, coatings, knurling, opening and closing forces or other specific functions to meet and conform to Label, Life Safety or Access Codes shall be provided.

## PART 2 - PRODUCTS

### 2.01 GENERAL

- A. The standard type, function, finish and quality set forth for locksets shall be as specified. Substitutions must be submitted in writing for approval prior to execution of the contract. Substitutions shall be equal to or exceed the requirements herein called for.
- B. Manufacturer
  - 1. Refer to drawings and Hardware Schedule for manufacturer, type and model number of finish hardware.
- C. Hardware Schedule (see following pages)

THE HARDWARE USED IN THE PREPARATION OF THIS ARCHITECTURAL SPECIFICATION IS TAKEN FROM THE CATALOGS OF THE FOLLOWING MANUFACTURERS:

|                                  |                         |
|----------------------------------|-------------------------|
| BUTTS                            | HAGER HINGE COMPANY     |
| LOCKS, CYLINDERS                 | CORBIN – RUSSWIN        |
| EXIT DEVICES & PULLS             | DOR-O-MATIC/VON-DUPRIN  |
| CLOSERS                          | LCN                     |
| STOPS, FLUSH BOLTS               | H.B. IVES               |
| THRESHOLDS &<br>WEATHERSTRIPPING | NATIONAL GUARD PRODUCTS |
| PUSH, PULLS & KICK PLATES        | ROCKWOOD MFG            |

**HW-1**

**PAIR DOORS: B-01, B-02, 107**

|   |                 |          |           |     |
|---|-----------------|----------|-----------|-----|
| 3 | PR BUTTS        | BB1279   | 4 ½ X 4 ½ | 652 |
| 1 | LOCKSET         | ML2024   |           | 626 |
| 1 | HALF DUMMY TRIM | ML2050   |           | 626 |
| 1 | FLUSH BOLT      | 458½     |           |     |
| 4 | KICKPLATES      | 8" X 34" | .050"     | 630 |
| 1 | STOP            | 407½     |           |     |
| 2 | SILENCERS       | 20       |           |     |

**HW-2**

**PAIR DOORS: B-03, 106, 106-A**

|   |             |           |           |     |
|---|-------------|-----------|-----------|-----|
| 3 | PR BUTTS    | BB1279    | 4 ½ X 4 ½ | 652 |
| 2 | PUSH PLATES | 70C       |           | 630 |
| 2 | PULL PLATES | 70C X 110 |           | 630 |
| 2 | CLOSERS     | 4111 CUSH |           | 689 |
| 2 | STOPS       | 407½      |           | 630 |
| 2 | KICKPLATES  | 8" X 34"  | .050"     | 630 |
| 2 | SILENCERS   |           |           |     |

**HW-3**

**SINGLE INTERIOR DOOR: B-03A**

|    |                      |           |           |     |
|----|----------------------|-----------|-----------|-----|
| 1½ | PR BUTTS             | BB1279    | 4 ½ X 4 ½ | 652 |
| 1  | SURFACE PANIC DEVICE | 33A-L     |           | 689 |
| 1  | THUMB TURN           | 377T      |           | 626 |
| 1  | THRESHOLD            | 452HD     |           | 689 |
| 1  | CLOSER               | 4111 CUSH |           |     |
|    | WEATHER STRIPPING    | PEMKO     |           |     |
| 1  | KICKPLATE            | 8" X 34"  | .050"     | 630 |
| 3  | SILENCERS            |           |           |     |

**HW-4**

**SINGLE INTERIOR DOORS: B-04, B-13**

|    |             |          |           |     |
|----|-------------|----------|-----------|-----|
| 1½ | PR BUTTS    | BB1279   | 4 ½ X 4 ½ | 652 |
| 1  | PASSAGE SET | ML2010   |           | 626 |
| 1  | STOP        | 407½     |           | 630 |
| 1  | KICKPLATE   | 8" X 34" | .050"     | 630 |
| 3  | SILENCERS   |          |           |     |

**HW-5**

**SINGLE INTERIOR DOORS: B-05,B-06, B-07, B-09, B-10, B-12, 101, 102,102-A, 104, 104-A, 104-B, 107-A, 108, 108-A, 109, 113, 202, 203, 204, 301, 302, 304, 305**

|    |           |          |           |     |
|----|-----------|----------|-----------|-----|
| 1½ | PR BUTTS  | BB1279   | 4 ½ X 4 ½ | 652 |
| 1  | LOCKSET   | ML2024   |           | 626 |
| 1  | THRESHOLD | 410 DKB  |           | 689 |
| 1  | STOP      | 407½     |           |     |
| 1  | KICKPLATE | 8" X 34" | .050"     | 630 |
| 3  | SILENCERS |          |           |     |

**HW-6**

**SINGLE INTERIOR DOORS: B-08, B-15**

|    |            |           |           |     |
|----|------------|-----------|-----------|-----|
| 1½ | PR BUTTS   | BB1279    | 4 ½ X 4 ½ | 652 |
| 1  | DEADLOCK   | ML2012    |           | 626 |
| 1  | PUSH       | 70C       |           | 630 |
| 1  | PULL       | 70C110    |           | 630 |
| 1  | CLOSER     | 4111 CUSH |           | 689 |
| 2  | KICKPLATES | 8" X 34"  | .050"     | 630 |
| 3  | SILENCERS  |           |           |     |

**HW-7**

**SINGLE INTERIOR DOORS: B-14, 114, 208, 306**

|    |              |           |           |     |
|----|--------------|-----------|-----------|-----|
| 1½ | PR BUTTS     | BB1279    | 4 ½ X 4 ½ | 652 |
| 1  | PANIC DEVICE | 33A-L     | ___X 12   | 689 |
| 1  | CLOSER       | 4111 CUSH |           | 689 |
| 1  | STOP         | 407½      |           | 630 |
| 1  | KICKPLATE    | 8" X 34"  | .050"     | 630 |
| 3  | SILENCERS    |           |           |     |

**HW-8**

**EXTERIOR DOOR: 114-A**

|    |                   |          |           |     |
|----|-------------------|----------|-----------|-----|
| 1½ | PR BUTTS          | BB1279   | 4 ½ X 4 ½ | 652 |
| 1  | DEADLOCK          | ML2013   |           | 626 |
| 1  | CLOSER            | 4111HO   |           |     |
| 1  | THRESHOLD         | 425HD    |           | 689 |
| 3  | SILENCERS         |          |           |     |
| 1  | KICKPLATE         | 8" X 34" | .050"     | 630 |
|    | WEATHER STRIPPING |          |           |     |

**HW-9**

**PR EXTERIOR DOOR: 100**

|   |                   |                             |           |     |
|---|-------------------|-----------------------------|-----------|-----|
| 3 | PR BUTTS          | BB1279                      | 4 ½ X 4 ½ | 652 |
| 2 | PANIC DEVICES     | 3327A HLX12<br>(360 SERIES) |           | 689 |
| 2 | CLOSERS           | 4111 CUSH                   |           | 689 |
| 2 | STOPS             | 407½                        |           | 630 |
| 1 | THRESHOLD         | 412 DKB                     |           | 689 |
|   | WEATHER STRIPPING | PEMKO                       |           |     |
| 2 | KICKPLATES        | 8" X 34"                    | .050"     | 630 |
|   | SILENCERS         |                             |           |     |

**HW-10**

**SINGLE DOOR: 101**

|   |            |          |       |     |
|---|------------|----------|-------|-----|
|   | BUTTS      | EXISTING |       |     |
| 1 | PUSH       | 70C      |       | 630 |
| 1 | PULL       | 70C 110  |       | 630 |
| 2 | KICKPLATES | 8" X 34" | .050" | 630 |

**HW-11**

**SINGLE DOORS: 102-A, 103, 104, 104-A, 105, 110, 205, 207**

|    |             |           |       |     |
|----|-------------|-----------|-------|-----|
| 1½ | PR BUTTS    | BB1279    |       | 652 |
| 1  | PRIVACY SET | ML2020    |       | 626 |
| 1  | DEADLOCK    | ML2012    |       | 626 |
| 1  | CLOSER      | 4111 CUSH |       | 689 |
| 1  | STOP        | 407½      |       | 630 |
| 1  | KICKPLATE   | 8" X 34"  | .050" | 630 |
| 3  | SILENCERS   |           |       |     |

**HW-12**

**PR INTERIOR DOORS: 115, 201**

|   |               |                             |       |     |
|---|---------------|-----------------------------|-------|-----|
| 3 | PR BUTTS      | BB1279                      |       | 652 |
| 2 | PANIC DEVICES | 3327A HLX12<br>(360 SERIES) |       | 689 |
| 2 | CLOSERS       | 4111 CUSH                   |       | 689 |
| 2 | KICKPLATES    | 8" X 34"                    | .050" | 630 |
| 2 | SILENCERS     |                             |       |     |

**ANNEX HARDWARE**

**HW-1**

**SINGLE DOORS: 101, 102, 203, 205, 206, 301, 302, 303**

|    |           |          |           |     |
|----|-----------|----------|-----------|-----|
| 1½ | PR BUTTS  | BB1279   | 4 ½ X 4 ½ | 652 |
| 1  | LOCKSET   | ML2024   |           | 626 |
| 1  | STOP      | 407½     |           | 630 |
| 1  | KICKPLATE | 8" X 34" | .050"     | 630 |
| 3  | SILENCERS |          |           |     |

**HW-2**

**SINGLE DOORS: 201, 202, 304, 305**

|    |           |          |           |     |
|----|-----------|----------|-----------|-----|
| 1½ | PR BUTTS  | BB1279   | 4 ½ X 4 ½ | 652 |
| 1  | PASS. SET | ML2010   |           | 626 |
| 1  | STOP      | 407½     |           | 630 |
| 1  | KICKPLATE | 8" X 34" | .050"     | 630 |
| 3  | SILENCERS |          |           |     |

ANNEX NOTE:

Hardware supplier to furnish and install two Horton automatic door openers on main entrance doors to City Hall Annex. Openers to be series 4000LE low energy devices. Activation device on exterior to be pedestal mounted as directed in the field. Interior activation location as directed. Electrical wiring by electrical contractor.

END OF SECTION

**SECTION 097200**

**WALL COVERINGS**

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. Wood-veneer wall covering.
- B. Alternates: Not Applicable.
- C. Items To Be Installed Only: Not Applicable.
- D. Items To Be Furnished Only: Not Applicable.
- E. Related Work: The following items are not included in this Section and are specified under the designated Sections:
  - 1. Section 099000 - PAINTING AND COATING for primers.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include data on physical characteristics, durability, fade resistance, and flame-resistance characteristics.
- B. Shop Drawings: Show location and extent of each wall-covering type. Indicate pattern placement, seams and termination points.
- C. Samples for Verification: Full width by 3 ft. long section of wall covering.
  - 1. Sample from same print run or dye lot to be used for the Work, with specified treatments applied. Show complete pattern repeat. Mark top and face of fabric.
- D. Product Schedule: For wall coverings. Use same designations indicated on Drawings.
- E. Qualification Data: For qualified testing agency.
- F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for wall covering.

- G. Maintenance Data: For wall coverings to include in maintenance manuals.

#### 1.4 QUALITY ASSURANCE

- A. Fire-Test-Response Characteristics: As determined by testing identical wall coverings applied with identical adhesives to substrates according to test method indicated below by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
  - 1. Surface-Burning Characteristics: As follows, per ASTM E 84:
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: 450 or less.
  - 2. Fire-Growth Contribution: Textile wall coverings tested according to NFPA 265 and complying with test protocol and criteria in the 2003 IBC.
- B. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
  - 1. Build mockups for each type of wall covering on each substrate required. Comply with requirements in ASTM F 1141.

#### 1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install wall coverings until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
- B. Lighting: Do not install wall covering until a permanent level of lighting is provided on the surfaces to receive wall covering.
- C. Ventilation: Provide continuous ventilation during installation and for not less than the time recommended by wall-covering manufacturer for full drying or curing.

### PART 2 - PRODUCTS

#### 2.1 WOOD-VENEER WALL COVERING

- A. Manufacturers: Provide products by one of the following:
  - 1. Gilford Inc.
  - 2. Jacaranda Inc.
  - 3. MDC
  - 4. Wolf-Gordon
- B. Basis-of-Design: SanFoot by Jacaranda.
- C. Description: Provide wood-veneer wall covering in rolls from same production run.
- D. Sheet Size: 36 by 108 inches

- E. Wood Species: As selected by the Architect from manufacturer's full line.
- F. Cut and Figure: As selected by the Architect from manufacturer's full line.
- G. Veneer Match: Slip.
- H. Sheet Match: Balance.
- I. Applied Backing Material: Fabric/
- J. Finish: Factory applied using wall-covering manufacturer's standard stain and polyurethane system.
  - 1. Colors: As selected by Architect from manufacturer's full range.

## 2.2 ACCESSORIES

- A. Adhesive: Mildew-resistant, nonstaining, strippable adhesive, for use with specific wall covering and substrate application; as recommended in writing by wall-covering manufacturer.
- B. Primer/Sealer: Mildew resistant, complying with requirements in Section 099000 - PAINTING AND COATING and recommended in writing by wall-covering manufacturer for intended substrate.
- C. Wall Liner: Nonwoven, synthetic underlayment and adhesive as recommended by wall-covering manufacturer.
- D. Seam Tape: As recommended in writing by wall-covering manufacturer.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for levelness, wall plumbness, maximum moisture content, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances that could impair bond of wall covering, including dirt, oil, grease, mold, mildew, and incompatible primers.
- C. Prepare substrates to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks, and defects.
  - 1. Moisture Content: Maximum of 5 percent on new plaster, concrete, and concrete masonry units when tested with an electronic moisture meter.

2. Plaster: Allow new plaster to cure. Neutralize areas of high alkalinity. Prime with primer as recommended in writing by primer/sealer manufacturer and wall-covering manufacturer.
  3. Gypsum Board: Prime with primer as recommended in writing by primer/sealer manufacturer and wall-covering manufacturer.
  4. Painted Surfaces: Treat areas susceptible to pigment bleeding.
- D. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finish with fine sandpaper.
- E. Remove hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.
- F. Acclimatize wall-covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.
- G. Install wall liner, with no gaps or overlaps, where required by wall-covering manufacturer. Form smooth wrinkle-free surface for finished installation. Do not begin wall-covering installation until wall liner has dried.

### 3.3 INSTALLATION

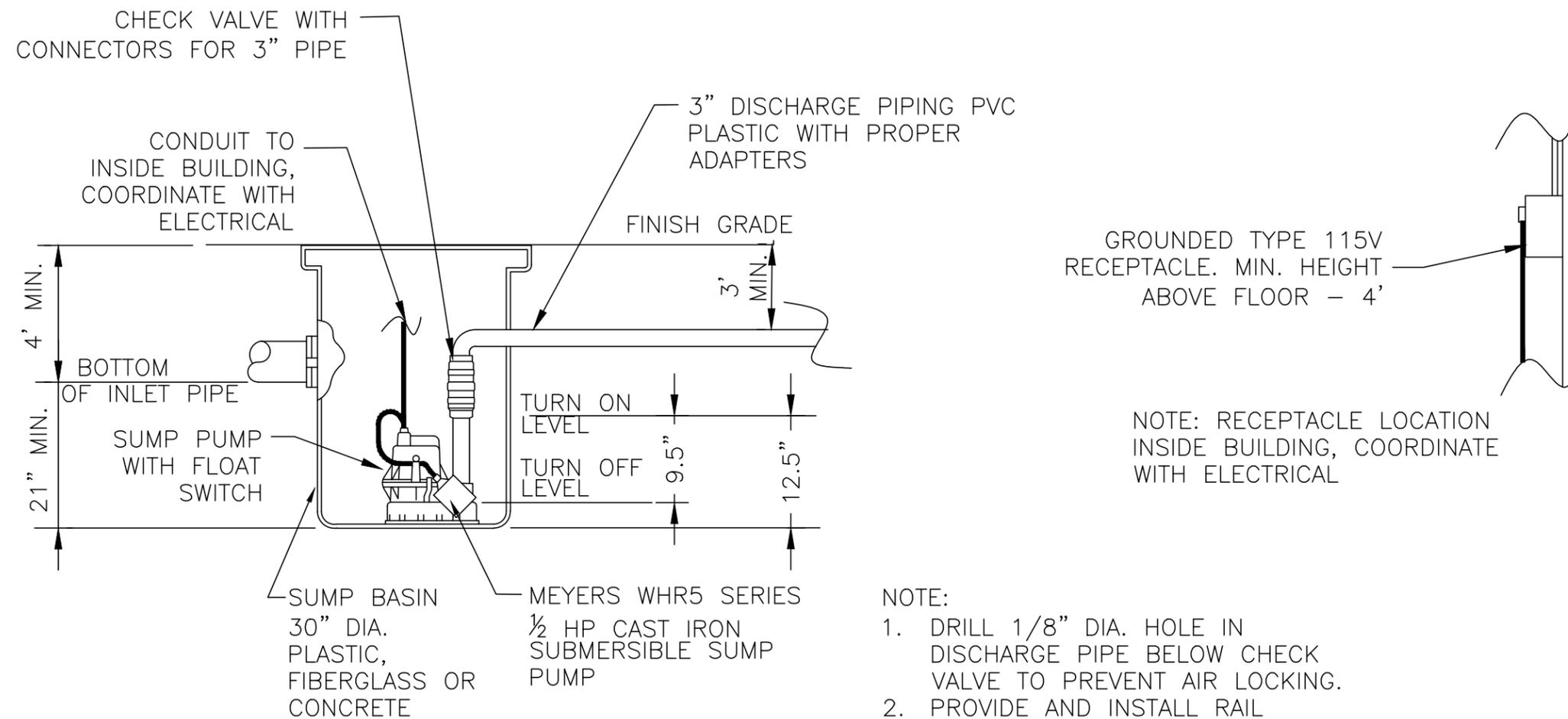
- A. General: Comply with wall-covering manufacturers' written installation instructions applicable to products and applications indicated except where more stringent requirements apply.
- B. Cut wall-covering strips in roll number sequence. Change roll numbers at partition breaks and corners.
- C. Install strips in same order as cut from roll.
- D. Install wall covering with no gaps or overlaps, no lifted or curling edges, and no visible shrinkage.
- E. Match pattern 6 ft. above the finish floor.
- F. Install seams vertical and plumb at least 6 in. from outside corners and 6 in. from inside corners unless a change of pattern or color exists at corner. No horizontal seams are permitted.
- G. Fully bond wall covering to substrate. Remove air bubbles, wrinkles, blisters, and other defects.
- H. Trim edges and seams for color uniformity, pattern match, and tight closure. Butt seams without any overlay or spacing between strips.

### 3.4 CLEANING

- A. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended in writing by wall-covering manufacturer.
- C. Replace strips that cannot be cleaned.

- D. Reinstall hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.

END OF SECTION



**SUMP PUMP INSTALLATION**  
NOT TO SCALE

- NOTE:
1. DRILL 1/8" DIA. HOLE IN DISCHARGE PIPE BELOW CHECK VALVE TO PREVENT AIR LOCKING.
  2. PROVIDE AND INSTALL RAIL SYSTEM WITH SUMP PUMP.

NOTE:  
DETAIL TO REPLACE SUMP PUMP INSTALLATION DETAIL ON C4.0.

|          |            |
|----------|------------|
| FIGURE:  | HSK-SK02   |
| DATE:    | 7/29/13    |
| JOB:     | 2012011.00 |
| SCALE:   | AS NOTED   |
| REV: 0   | BY: HAH    |
| DWG REF: |            |