

ADDENDUM NO. CC-2



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STATE OF NEBRASKA  
TSB – EXTERIOR RENOVATION  
LINCOLN, NEBRASKA  
DLR GROUP PROJECT NO. 10-09206-30

GENERAL CONTRACTOR FOR CONSTRUCTION

September 13, 2012

NOTICE TO BIDDERS: Amend the Project Manual and Drawings to the above referenced project as follows:

NOTICE TO BIDDERS: Questions are answered at the end of this Addendum.

### PROJECT MANUAL

#### ITEM NO. 1 PROPOSAL

- A. Delete this page in its entirety. Substitute Proposal, as shown on Attachment No. 1.

#### ITEM NO. 2 Section 08300 SPECIALTY DOOR SYSTEMS

- A. Add Section 08300 Specialty Door Systems, as shown on Attachment No. 2.

#### ITEM NO. 3 Section 08870 WINDOW FILM

- A. Add Section 08870, Window Film, as shown on Attachment No. 3.

#### ITEM NO. 4 Section 10530 ARCHITECTURAL CANOPIES

- A. Add Section 10530, Architectural Canopies, as shown on Attachment No. 4

#### ITEM NO. 5 BUILDING MOUNTED LIGHTING

- A. BUILDING MOUNTED LIGHTING, as shown on Attachment No. 5 to be installed on North Facade Above Overhead Door

#### ITEM NO. 6 ENTRANCE DECK HARDWARE SETS

- A. Add Paragraph 3.3.A. and 3.3.B. to Section 084113 Attachment No. 6

### DRAWINGS

#### ITEM NO. 1 DRAWING 21/A7.2 STORE FRONT

- A. Section – M Street Store Front. Modify all arched openings as shown on Attachment A10.1.

#### ITEM NO. 2 DRAWING 34/A7.3 WALL SECTIONS AND BUILDING DETAILS

- A. Modify drawing as shown on Attachments A10.2, A10.3, A10.4 and A10.5.

ITEM NO. 3 DRAWING 54/A7.3 - DETAIL AT STORE FRONT SILL (TYP.)

A. Modify drawing as shown on A10.6.

ITEM NO. 4 DRAWING 54/A7.3 - REVISED: WALL SECTION THROUGH NEW EXTERIOR WALL (TYP.)

A. Modify drawing as shown on Attachment A10.7.

ITEM NO. 5 DRAWING A.73 - WALL SECTIONS AND BUILDING DETAILS

A. Add Drawing A10.8, Attachment 8 BALLARD DETAIL in its entirety.

ITEM NO. 6 DRAWING A10.9 – NORTH FACADE DOWNSPOUT DETAIL

A. Add Drawing A10.9, Attachment No. 9 to the documents.

ITEM NO. 7 DRAWING 21/A7.4 - CAST STONE PROFILES

A. Modify drawing as shown on Attachment A10.10.

ITEM NO. 8 DRAWING A10.11 - TUCKPOINTING DETAIL

A. Add Drawing A10.11, Attachment No. 11 to the documents.

ITEM NO. 9 DRAWING DA5.2 – DEMOLITION ELEVATIONS

A. Add under Demolition Notes AE. Remove Steel Lintel above glass block for preparation of the NE Steel Lintel.

ITEM NO. 10 DRAWING DA5.3 – DEMOLITION ELEVATIONS – NORTH FACADE

A. Add under Demolition Notes AF – Where infill brick is to be removed, existing steel lintel should be removed also.

ITEM NO. 11 DRAWING A7.5 - 14<sup>TH</sup> STREET

A. Modify all drawing as shown on Drawing A7.5.

QUESTIONS AND ANSWERS:

Q: Is a unit price needed for tuck pointing?

A: Please provide a unit price for tuck pointing in the bid.

Q: When bids are received, how long until the bidder is awarded the contract?

A: No longer than 60 days.

Q: Would there be a possibility for a bid extension?

A: Yes, the new date will be Thursday, September 20<sup>th</sup>. 3:00 PM

Q: In the documents it states to install new louvers, are new louvers required?

A: No, existing louvers will be used, but painted to match new metal frame colors.

- Q: In the elevation notes, Letter "C" it states check existing window seals and replace worn seals as necessary – can you clarify?  
A: It is intended that the sealant around the window frames, where the window meets the brick, is to be removed and replaced.
- Q: It is stated that new overhead doors are to be Marathon, is this proprietary spec?  
A: Or approved equal. Yes, the Owner will consider equivalents prior to bid time. The Marathon Spec will be in the addendum.
- Q: Is the tuck pointing on the north side under the sill to be raked back to match existing.  
A: It will be tuck pointed flush below the sill.
- Q: Are you going to require a set contingency or is it up to the contractor?  
A: No, the Owner will have a contingency and will handle unforeseen conditions as Change Orders.
- Q: If the cap stone is damaged do you want us to include an alternate price to replace them?  
A: No, bid is to be repaired and reset.
- Q: What is the construction budget for the project?  
A: \$900,000 – 1.1 million.
- Q: Will existing steel lintels need to be removed on the north side where the recessed brick is removed?  
A: Yes.
- Q: Please furnish specs for the new Marathon Overhead doors.  
A: They will be included in the Addendum.
- Q: Assuming the new overhead doors are motor driven, please clarify the electrical connections required.  
A: This connection will be clarified in the Addendum.
- Q: Elevation Note 5/A5.1 indicates we are to supply a new louver. Please provide a spec for this louver.  
A: No new louvers are needed. This will be clarified in the Addendum. The existing louvers will be painted to match existing 2<sup>nd</sup> and 3<sup>rd</sup> floor window frames and reinstalled. The louver on the west side will need a new frame around it only.
- Q: Elevation Note 1/A5.1 indicates new tint film on the existing windows. Also there is "blackout" film indicated in some of the elevations. Please provide specs for these films.  
A: This will be addressed in the Addendum.
- Q: Has a hazardous materials (lead paint) survey been completed for the building? By law, we need to have this report before we begin demo work.  
A: This will be done by the Owner before construction begins.
- Q: Details 11 & 12/A7.3 indicate that we will be interacting with the existing roof system. Is the existing roof under warranty, and if so, who is the warranty with?  
A: The existing roof is not under warranty but the state will require a contractor approved by an EPDM manufacturer to work on the roof.
- Q: Note 7/A5.3 indicates we are to provide a new light fixture above the new overhead door. Please provide a spec for this fixture.

A: This will be provided in the addendum.

Q: Note 15/DA5.2 indicates that we are to "caulk and reseal" around the existing window frames. Does this mean we are to remove all the existing caulking and re-caulk these windows? Also, please verify that this work isn't required on the north elevation.

A: Remove all existing caulking around window frames and reseal.

Q: Note 5/A1.1 indicates new ceramic tile T-1 to match existing. The areas where this is indicated currently have either vinyl tile or carpet. Please clarify what is required.

A: Carpet or VCT to match existing.

Q: Elevation 21/A5.3, there is a note 22 indicated at the right side of the lintel above the overhead door. Note 22 refers to the amount of tuck pointing to be done. Please clarify.

A: For bidding purposes you are to assume that 20% of the entire north facade will need to be tuck pointed.

Q: Detail 31/A7.3. Please clarify what the brick elevation on the right side is supposed to indicate. There are some notes missing on the detail.

A: This will be clarified in Addendum.

Q: Elevation 31/A5.1. Please clarify what we are to include to "resurface the existing brick cladding" where indicated.

A: This is a condition where the existing face of the brick has been sandblasted. In order for the brick to better match the surrounding surface we will have to look at a clear sealer to better match the surrounding surfaces.

Q: Note 23/DA1.1 indicates the existing pipe bollards along 'M' Street are to remain. Note 10/A1.1 indicated they are new. Please clarify. Also, please clarify the length and footings for the new bollards.

A: All PIP bollards are to be removed and replaced.

Q: Detail 21/A7.3, please clarify what "new canopy tie-ins by others" means. Also, please provide size for the new interior steel channel.

A: Canopy ties are to be provided by the canopy supplier and included in this contract.

Q: Detail 34/A7.3 indicates a new flashing at top of the new arched precast panel. The detail shows the flashing running the full depth of the existing brick. It would seem that quite a bit of existing brick would need to be cut/removed in order to install this flashing, especially since the flashing is above an arch. Is that the intent? (Removing brick would then create several other concerns.) 16. Note N on the demo sheets indicates that the Owner has the salvage rights to demoed materials. Does the Owner intend to salvage any demoed materials?

A: The State has nothing it wants salvaged except existing removed face brick to be reused.

Q: Detail 54/A5.3 shows the new overhead door being mounted directly to the existing concrete beam. Elevation 21/A5.3 indicates a 3' aluminum panel above the overhead door. Please clarify the construction at the head of the overhead door.

A: The new door will be a coiling door and mounted to the existing masonry wall on either side of the door opening .

- Q: Note D/A5.3. For bidding purposes, how are we to know how many brick will be deemed necessary to be removed and replaced?  
A: Restoration contractor to make that determination.
- Q: There is no place on the bid form to bid the tuck pointing unit price. Please clarify.  
A: This will be included in the Addendum.
- Q: Sheet A7.5 refers to Alternate work. We don't see this alternate outlined anywhere or a place to bid on the bid form. Please clarify.  
A: Sheet A7.5 shall be omitted.
- Q: Note B/A9.1 refers to structural drawings. Are there any structural drawings?  
A: They will be included in the Addendum.
- Q: Note E/A9.1 refers to conduit and J-boxes for security hardware. Are there any requirements for electrical/security wiring or conduit in this project?  
A: All existing electrical will be used. No new electrical work is anticipated.
- Q: Detail 34/A7.3 indicates welding is required. Please clarify the amount/type of welds required.  
A: This will be addressed in the Addendum.
- Q: Note 9/DA1.1 indicates that the sidewalk may need to be removed. Sheet A1.1 shows it being removed. Please clarify.  
A: It will need to be removed.
- Q: Note 4/A5.3 indicates new concrete drain bases. Will these bases require reinforcing steel and/or doweling?  
A: Yes. This will be addressed in the Addendum.
- Q: Note 3/DA5.3 indicates that we are to remove several existing louvers that get reinstalled later. This may involve disconnection of ductwork/equipment inside the building and impact the use of this equipment. Is this the intent?  
A: The building will be occupied during construction if disconnection of duct work is required it will need to be coordinated with the Owner.

**NOTES:**

1. It is the contractor's responsibility to coordinate existing sidewalk demolition and staging with the City of Lincoln, all permits, and fees for these items is the responsibility of the contractor.
2. As stated in the specifications, include with your bid, a Statement of Qualifications for the restoration sub-contractor.
3. Also to be included in your bid submittal will be a unit price for additional tuck pointing.
4. The building is to remain operational during construction.

END OF ADDENDUM

**PROPOSAL**

Attachment No. 1 to Addendum CC-2  
dated September 13, 2012

Rodney Anderson, Administrator  
DAS/State Building Division  
Lincoln, Nebraska, 68508-2707

The undersigned, being familiar with local conditions affecting the cost of the work, and the Proposed Contract Documents, including the Advertisement for Bids, Instructions to Bidders, Proposal Form, Contract Form, Form of Contract Performance And Payment Bond, Form of Appointment of Purchasing Agent, Form of Exempt Sales/Use Tax Certificate, General Conditions, Special Conditions, Specifications and Plans all on file in the Office of the DAS/State Building Division, Lincoln, Nebraska, hereby proposes to furnish all plant, equipment, transportation, materials, tools, labor and skills necessary and required to perform all work as described in the Proposed Contract Documents entitled:

**State of Nebraska, TSB – Exterior Renovation, Lincoln, Nebraska**

all in strict accordance with the Proposed Contract Documents including Addenda Numbers \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_, issued and attached thereto - Bidders shall acknowledge the receipt of any and all addenda issued in the space provided above:

For the contract sum of:

Base Bid: \_\_\_\_\_, \$ \_\_\_\_\_

Unit Price – Tuck Pointing: \_\_\_\_\_, \$ \_\_\_\_\_

The undersigned agrees to complete all work within \_\_\_\_\_ calendar days following the award of the Contract.

The undersigned states that he is complying with, and will continue to comply with, fair labor standards in the pursuit of his business and in the execution of the contract on which he is bidding.

The undersigned acknowledges having reviewed provisions outlined for exemption of payment of sales taxes to the State of Nebraska and also understands the requirements for registration of any and all nonresident contractors and subcontractors with the Nebraska Department of Revenue.

**All submittals shall include a statement of qualifications for the restoration sub contractor verifying that they have been in business for at least 5 years and shows proof that the Company has successfully completed projects of similar size and scope.**

Bid security is required and accompanies this proposal, the same being subject to forfeiture in the event of default by the undersigned. Bidder is required to submit restoration subcontractor’s qualifications with this bid.

In submitting this bid, it is understood that the right is reserved by the DAS/State Building Division to reject any or all bids and to waive informalities, and it is further agreed that this bid may not be withdrawn during the period of sixty (60) days following the scheduled closing time for receipt of the bids.

\_\_\_\_\_  
Date Firm Name

\_\_\_\_\_  
By Address

\_\_\_\_\_  
Title City State Zip

Firm's Federal Identification Number \_\_\_\_\_ Fax: \_\_\_\_\_

Firm's Phone Number \_\_\_\_\_ Email: \_\_\_\_\_

**Section 08300 – SPECIALTY DOOR SYSTEMS**  
**HIGH SPEED ROLL-UP DOOR Model 109 HYDRAROL**

PART 1- GENERAL

1.01 SECTION INCLUDES

- A. HYDRAROL High Speed Roll-Up doors and accessories for complete installation.

1.03 SUBMITTALS

- A. Product Data: Completely describing components.
- B. Shop Drawings: Showing details of fabrication, installation and accommodation to connecting work.
- C. Installation Instructions: For door, operator and accessories.
- D. Operating and Maintenance Data: For door, operator and accessories.

1.04 QUALITY ASSURANCE

- A. Installer Qualification: Door manufacturer, or trained, approved and licensed door installer.

PART 2 - PRODUCT

2.01 MANUFACTURERS

- A. MARATHON Model 109 HYDRAROL High Speed Roll-Up door as manufactured by ASI Technologies, Inc., Milwaukee, Wisconsin

- B. Substitutions:

No substitution will be considered unless written request for approval has been submitted by the bidder and has been received by the architect at least ten (10) days prior to the date for receipt of bids.

Each such request shall include the name of the materials for which it is to be substituted and a complete description of the proposed substitute, including drawings, cuts, mockups, performance and test data, list of projects of similar scope and photographs of existing installations, and any other information necessary for evaluation.

## 2.02 HIGH SPEED ROLL-UP ROLLS

### A. MARATHON Model 109 HYDRAROL High Speed Roll-Up Door.

1. Door size to fit door openings as shown on architectural drawings.
2. Doors shall be high speed hydraulic powered insulated aluminum slat roll-up doors.
3. Slats constructed of an exterior face of anodized aluminum and an interior face of rigid polyvinyl chloride and capped with nylon end caps. Slats to be filled and unitized with pour-type polyurethane foam having a "K" factor of .12 at 75 ° F.
4. Curtain shall withstand a minimum of 20 PSF exterior windload (88mph). Doors to have nylon windlocks and windlock guides. Doors to be fully weather sealed, with top seal to include header-mounted brushes and bottom seal to be continuous along full length of door edge.
5. Side guides to be lined with high density PVC to prevent metal-to-metal contact with slats. Curtain travel guide system with roller wheels will not be allowed.
6. Dual speed hydraulic operator up to 42 inch/second open and 21"/sec close. Electric motor to be 1 or 2 hp, 208/230/460 volts, 3 phase 60 hz unit.
7. Hydraulic operator to have logic block valving system to control acceleration, deceleration and stopping of door. Operators using clutches and brakes to stop door motion are not allowed. Operator assembly to include hydraulic security disc brake to hold door in place after door has been stopped.
8. Electric control panel to be in a NEMA-4 rated enclosure, assembled and ready for connection by others.
9. Door curtain to be equipped with electric activated reversing edge along full length of door edge.
10. Travel limit switch to provide infinite adjustment. Adjustments to be made without the aid of special tools.

11. Door actuation to be provided by:

- a) Two single control push buttons.  
or
- b) Radio control actuator.

Note: Time delay close operation available with any of the above.

12. Exterior color to be anodized aluminum, interior slat color to be gray.

13. Vision area to be provided. Window slats to be in four slats.

14. Provide galvanized metal shroud to cover barrel (and operator).

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

A. Verify installation conditions as satisfactory to receive work of this section. Do not install until unsatisfactory conditions are corrected. Beginning work constitutes your acceptance of conditions as satisfactory.

- 1. Verify opening size, dimensions and tolerances.

#### 3.02 PREPARATION

A. Protect surrounding areas and surfaces to prevent damage during work of this section.

#### 3.03 INSTALLATION

A. Install the work in accordance with manufacturer instructions.

#### 3.04 WARRANTIES

A. One year on door and hardware.

#### 3.05 CLEANING

A. Leave the premises clean and free of residue of work of this section.

END OF SECTION



Attachment No. 3 to Addendum CC-2  
dated September 13, 2012

SECTION 08870

WINDOW FILM

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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Safety and security films.

1.2 RELATED SECTIONS

- A. Section 08500 - Windows; windows to receive architectural window film.

1.3 REFERENCES

- A. ASHRAE - American Society for Heating, Refrigeration, and Air Conditioning Engineers; Handbook of Fundamentals.
- B. ASTM International (ASTM):
  1. ASTM D 882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
  2. ASTM D 1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.
  3. ASTM D 1044 - Standard Method of Test for Resistance of Transparent Plastics to Surface Abrasion (Taber Abrader Test).
  4. ASTM D 2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting.
  5. ASTM D 4830 - Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing.
  6. ASTM E 84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
  7. ASTM E 308 - Standard Recommended Practice for Spectrophotometry and Description of Color in CIE 1931 System.
  8. ASTM E 903 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
  9. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.

10. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
- C. Window 5.2 - A Computer Tool for Analyzing Window Thermal Performance; Lawrence Berkeley Laboratory.
- D. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- E. Consumer Products Safety Commission 16 CFR, Part 1201 - Safety Standard for Architectural Glazing Materials.
- F. GSA Standard Test for Glazing and Glazing Systems Subject to Airblast Loadings.
- G. ISO 16933, International Standard for Glass in Building: Explosion-resistant security glazing - Test and classification for arena air-blast testing.
- H. Underwriters Laboratories Inc. (UL): UL 972 - Burglary Resisting Glazing Material.

#### 1.4 PERFORMANCE REQUIREMENTS

- A. Fire Performance: Surface burning characteristics when tested in accordance ASTM E 84:
  1. Flame Spread: 25, maximum.
  2. Smoke Developed: 450, maximum.

#### 1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- 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. Installation methods.
- C. Selection Samples: For each film specified, submit film samples representing manufacturer's film type for the project.
- D. Verification Samples: For each film specified, two samples representing film color and pattern.
- E. Performance Submittals: Provide laboratory data of emissivity and calculated window U-Factors for various outdoor temperatures based upon established calculation procedure defined by the ASHRAE Handbook of Fundamentals, Chapter 29, or Lawrence Berkeley Laboratory Window 5.2 Computer Program.

#### 1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing products of the same type and scope as specified.
  1. Provide documentation that the installer is authorized by the Manufacturer to perform Work specified in this section.
  2. Provide a commercial building reference list of 5 properties where the installer has

applied window film. This list will include the following information:

- a. Name of building.
  - b. The name and telephone number of a management contact.
  - c. Type of glass.
  - d. Type of film.
  - e. Amount of film installed.
  - f. Date of completion.
3. Provide a Glass Stress Analysis of the existing glass and proposed glass/film combination as recommended by the film manufacturer.
  4. Provide an application analysis to determine available energy cost reduction and savings.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
  3. Refinish mock-up area as required to produce acceptable work.
- 1.7 DELIVERY, STORAGE, AND HANDLING
- A. Store products in manufacturer's unopened packaging until ready for installation.
  - B. Store and dispose of hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.
- 1.8 PROJECT 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.
- 1.9 WARRANTY
- A. At project closeout, provide to Owner or Owners Representative an executed current copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: 3M Window Film , which is located at: 3M Center Bldg. 0235-02-S-27 ; St. Paul, MN 55144-1000; Toll Free Tel: 800-480-1704; Tel: 651-733-2222; Fax: 651-737-3446; Email: [pneumann@mmm.com](mailto:pneumann@mmm.com); Web: [www.3m.com/windowfilm](http://www.3m.com/windowfilm)
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

## 2.2 SAFETY AND SECURITY WINDOW FILM WITH SUN CONTROL

- A. Safety and Security Window Film with Sun Control: 3M Safety Affinity S15 (AFF-S15) Safety and Security Window Film with Sun Control. Optically clear polyester film laminated to one or more polyester layers to achieve the desired thickness and solar properties. Film has a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other.
1. Physical / Mechanical Performance Properties:
    - a. Film Color: tinted.
    - b. Thickness: Nominal 8.5 mils (0.22 mm).
    - c. Tensile Strength (ASTM D 882): 32,000 psi.
    - d. Break Strength (ASTM D 882) (Per Inch Width): 265 lbs/inch.
    - e. Elongation (ASTM D 882): >100 percent.
    - f. Puncture Strength (ASTM D 4830): 173 lbs.
  2. Solar Performance Properties - film applied to 1/4 Inch (6.4 mm) thick clear glass.
    - a. Visible Light Transmission (ASTM E 903): 11 percent.
    - b. Visible Reflection (ASTM E 903): Not more than 25 percent.
    - c. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.
    - d. Solar Heat Gain Coefficient (ASTM E 903): 0.23.
  3. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
  4. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
  5. Identification: Labeled as to Manufacturer as listed in this Section.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
1. Glass surfaces receiving new film should first be examined to verify that they are free from defects and imperfections, which will affect the final appearance:
- B. Do not proceed with installation until glass surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
- C. Commencement of installation constitutes acceptance of conditions.

### 3.2 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.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Cut film edges neatly and square at a uniform distance of 1/8 inch (3 mm) to 1/16 inch (1.5 mm) of window sealant. Use new blade tips after 3 to 4 cuts.

- C. Spray the slip solution, composed of one capful of baby shampoo or dishwashing liquid to 1 gallon of water, on window glass and adhesive to facilitate proper positioning of film.
- D. Apply film to glass and lightly spray film with slip solution.
- E. Squeegee from top to bottom of window. Spray slip solution to film and squeegee a second time.
- F. Bump film edge with lint-free towel wrapped around edge of a 5-way tool.
- G. Upon completion of film application, allow 30 days for moisture from film installation to dry thoroughly, and to allow film to dry flat with no moisture dimples when viewed under normal viewing conditions.

3.4 CLEANING AND PROTECTION

- A. Remove left over material and debris from Work area. Use necessary means to protect film before, during, and after installation.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. After application of film, wash film using common window cleaning solutions, including ammonia solutions, 30 days after application. Do not use abrasive type cleaning agents and bristle brushes to avoid scratching film. Use synthetic sponges or soft cloths.

END OF SECTION



Spec Section: 10530

Attachment No. 4 to Addendum CC-2  
dated September 13, 2012

# Mapes Lumishade Hanger Rod Supported Specifications

## Part 1: General

### 1.1 Description of Work

1. Work in this section includes furnishing and installation of roll-formed aluminum overhead hanger rod style canopies as manufactured by Mapes Industries Inc.
2. Related Items and Considerations
  1. Flashing of various designs may be required. Generic flashing supplied by Mapes. Specialty flashing to be supplied by installer.
  2. Determine wall construction, make-up and thickness.
  3. Ensure adequate wall condition to carry canopy loads where required.
  4. Consider water drainage away from canopy where necessary.
  5. Any necessary removal or relocation of existing structures, obstructions or materials.

### 1.2 Quality Assurance

1. Products meeting these specifications established standard of quality required as manufactured by Mapes Industries, Inc. Lincoln, Nebraska 1-888-273-1132.

### 1.3 Field Measurement

1. Confirm dimensions prior to preparation of shop drawings when possible.
2. If requested, supply manufacturer s standard literature and specifications for canopies.
3. Submit shop drawings showing structural component locations/positions, material dimensions and details of construction and assembly.

### 1.4 Performance Requirements

1. Canopy must conform to local building codes.
2. PE Stamped calculations are required and must be signed and sealed by an engineer licensed within the state canopy is installed.

### 1.5 Deliver, Storage, Handling

1. Deliver and store all canopy components in protected areas.

## Part 2: Products

### 2.1 Manufacturer

1. Mapes Canopies  
Lincoln, Nebraska  
Phone: 1-888-273-1132.  
Fax: 1-877-455-6572.

### 2.2 Materials

1. Decking shall consist of an interlocking roll-form 2 1/2 W style pan (.032" aluminum).
2. Intermediate framing members shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
3. Hanger rods and attachment hardware shall be powder coated.
4. Fascia shall be standard 8" extruded J4 style.

### 2.3 Finishes

1. Finish type shall be 2-Coat Kynar Finish.

#### 2.4 Fabrication

1. All Mapes canopies are shipped in preassembled sections for ease of installation.
2. All connections shall be mechanically assembled utilizing 3/16 fasteners with a minimum shear stress of 350 lb. Pre-welded or factory-welded connections are not acceptable.
3. Decking shall be designed with interlocking roll-formed aluminum members.
4. Concealed drainage. Water shall drain from covered surfaces into intermediate trough and be directed to Front Scupper.

### Part 3: Execution

#### 3.1 Inspection

1. Confirm that surrounding area is ready for the canopy installation.
2. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Mapes Industries.
3. Erection shall be performed by an approved installer and scheduled after all concrete, masonry and roofing in the area is completed

#### 3.2 Installation

1. Installation shall be in strict accordance with manufacturer s shop drawings. Particular attention should be given to protecting the finish during handling and erection.

- 3.3 After installation, entire system shall be left in a clean condition.

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## FEATURES & SPECIFICATIONS

### PRODUCT OVERVIEW

Building-mounted light for entrances, stairwells, corridors and other pedestrian areas.

Non-cutoff, and cutoff configurations.

### CONSTRUCTION

Rugged, corrosion-resistant, die-cast aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of contaminants.

Dark bronze housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs. Anodized aluminum reflector.

### ELECTRICAL SYSTEM

Ballast — Quad-tap, pulse start, 100% factory-tested, high power factor for 250W MH and 400W MH. Meets or exceeds the minimum efficiency required by the Energy Independence and Security Act of 2007 (EISA). Quad-tap, high-reactance, high power factor ballast for 150W.

Socket — Mogul-base socket for 250W and 400W MH. Medium-base socket for 150W.

### LISTINGS

Listed and labeled to UL standards for wet locations.

25°C maximum ambient temperature.

### WARRANTY

Fixtures are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

Note: Specifications subject to change without notice.

|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

Attachment No. 5 to Addendum  
CC-2 dated September 13, 2012

Contractor Select

# Building Mounted

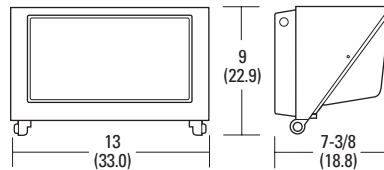


TWR1

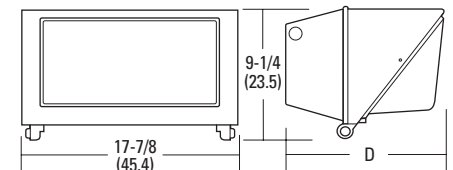


TWR2C

150-400W

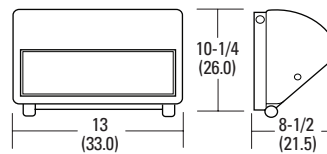


TWR1

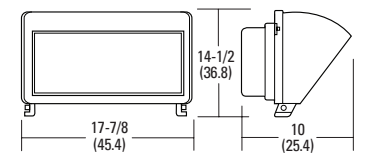


250W 400W  
Depth: 9-3/8 (23.8) 12-1/2 (31.8)

TWR2



TWR1C



TWR2C

All dimensions are inches (centimeters).

### ORDERING INFORMATION

| Catalog Number         | UPC          | Description | Wattage          | Lamp Source | Voltage         | Finish      | Lamp Included | Approx. Weight (lbs) | Pallet Qty | Standard Carton Qty |
|------------------------|--------------|-------------|------------------|-------------|-----------------|-------------|---------------|----------------------|------------|---------------------|
| TWR1 150M TB LPI       | 745975146000 | Non-cutoff  | 150              | MH          | 120/208/240/277 | Dark bronze | Y             | 18                   | 36         | 1                   |
| TWR1 150S TB LPI       | 784231137017 | Non-cutoff  | 150              | HPS         | 120/208/240/277 | Dark bronze | Y             | 18                   | 36         | 1                   |
| TWR1C 150M TB LPI      | 745975151004 | Cutoff      | 150              | MH          | 120/208/240/277 | Dark bronze | Y             | 18                   | 32         | 1                   |
| TWR2 250M TB SCWA LPI  | 745975145324 | Non-cutoff  | 250 <sup>1</sup> | MH          | 120/208/240/277 | Dark bronze | Y             | 26                   | 24         | 1                   |
| TWR2C 250M TB SCWA LPI | 745975145379 | Cutoff      | 250 <sup>1</sup> | MH          | 120/208/240/277 | Dark bronze | Y             | 21                   | 16         | 1                   |
| TWR2 400M TB SCWA LPI  | 745975145348 | Non-cutoff  | 400 <sup>1</sup> | MH          | 120/208/240/277 | Dark bronze | Y             | 31                   | 24         | 1                   |
| TWR2C 400M TB SCWA LPI | 745975145423 | Cutoff      | 400 <sup>1</sup> | MH          | 120/208/240/277 | Dark bronze | Y             | 25                   | 16         | 1                   |

### Notes

<sup>1</sup> These wattages do not comply with California Title 20 regulations.

# Building-Mounted Lighting

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BUILDING\_MOUNTED\_MH\_HPS

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

3.3 ENTRANCE DOOR HARDWARE SETS

Attachment No. 6 to Addendum CC-2  
 dated September 13, 2012.

- A. Door Hardware Set No. 001  
 Door No. 101, 102; each to have the following:

| <u>Qty.</u> | <u>Item</u>                                    | <u>Description</u>                         | <u>Manufacturer</u> | <u>Finish</u> |
|-------------|--|--|---------------------|---------------|
| #2          | Hanging Devices                                | Offset Pivots                              | Kawneer             | Black         |
| #2          | Securing Devices<br>(inactive leaf)            | Flush Bolts                                | Kawneer             | Black         |
| #1          | Securing Devices<br>(active leaf)              | Dead Lock w/2                              | Adams Rite          | NA            |
| #2          | Operating Trim                                 | Architects Classic                         | CO-9 Pull Kawneer   | Black         |
| #2          | Accessories for<br>Pairs of Doors              | Architects Classic                         | "CP" Kawneer        | Black         |
| #2          | Closing Devices<br>Protective Trim Unit        | Standard Concealed<br>Overhead Door Closer | Kawneer             | Black         |
| #2          | Stops and Holders                              | Beveled Stops                              | Kawneer             | Black         |
| #1          | Accessories – Electric Hold Open               |  |                     |               |
| #1          | Miscellaneous Items – Threshold, Weather Strip |  |                     |               |

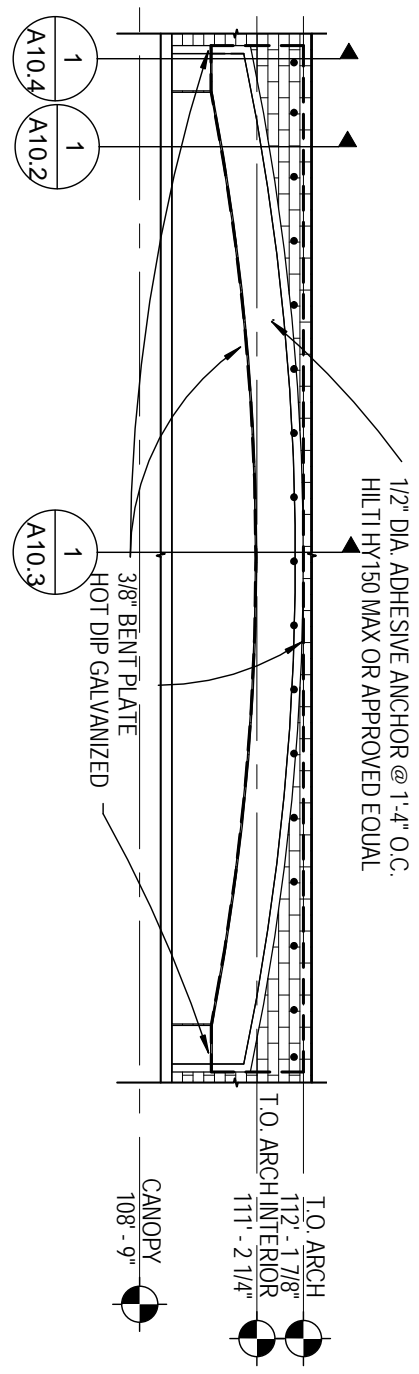
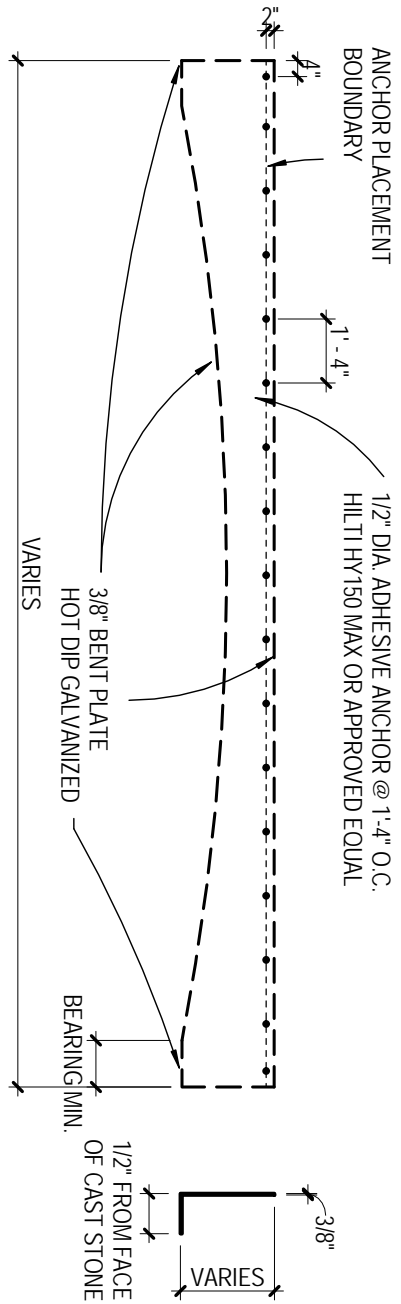
\*Number of hinges, as specified

- B. Door Hardware Set No. 002  
 Door No. 103, 104; each to have the following:

| <u>Qty.</u> | <u>Item</u>                                    | <u>Description</u>                       | <u>Manufacturer</u> | <u>Finish</u> |
|-------------|--|--|---------------------|---------------|
| #2          | Hanging Devices                                | Offset Pivots                            | Kawneer             | Black         |
| #1          | Securing Devices<br>(active leaf)              | Dead Lock w/2<br>5 Pin Cylinders         | Adams Rite          | NA            |
| #           | Operating Trim                                 | Architects Classic                       | CO-9 Pull Kawneer   | Black         |
| #1          | Closing Devices<br>Protective Trim Unit        | Standard Concealed<br>Standard Concealed | Kawneer             | Black         |
| #1          | Stops and Holders                              | Beveled Stops                            | Kawneer             |               |
| #           | Accessories                                    |  |                     |               |
| #1          | Miscellaneous Items – Threshold, Weather Strip |  |                     |               |

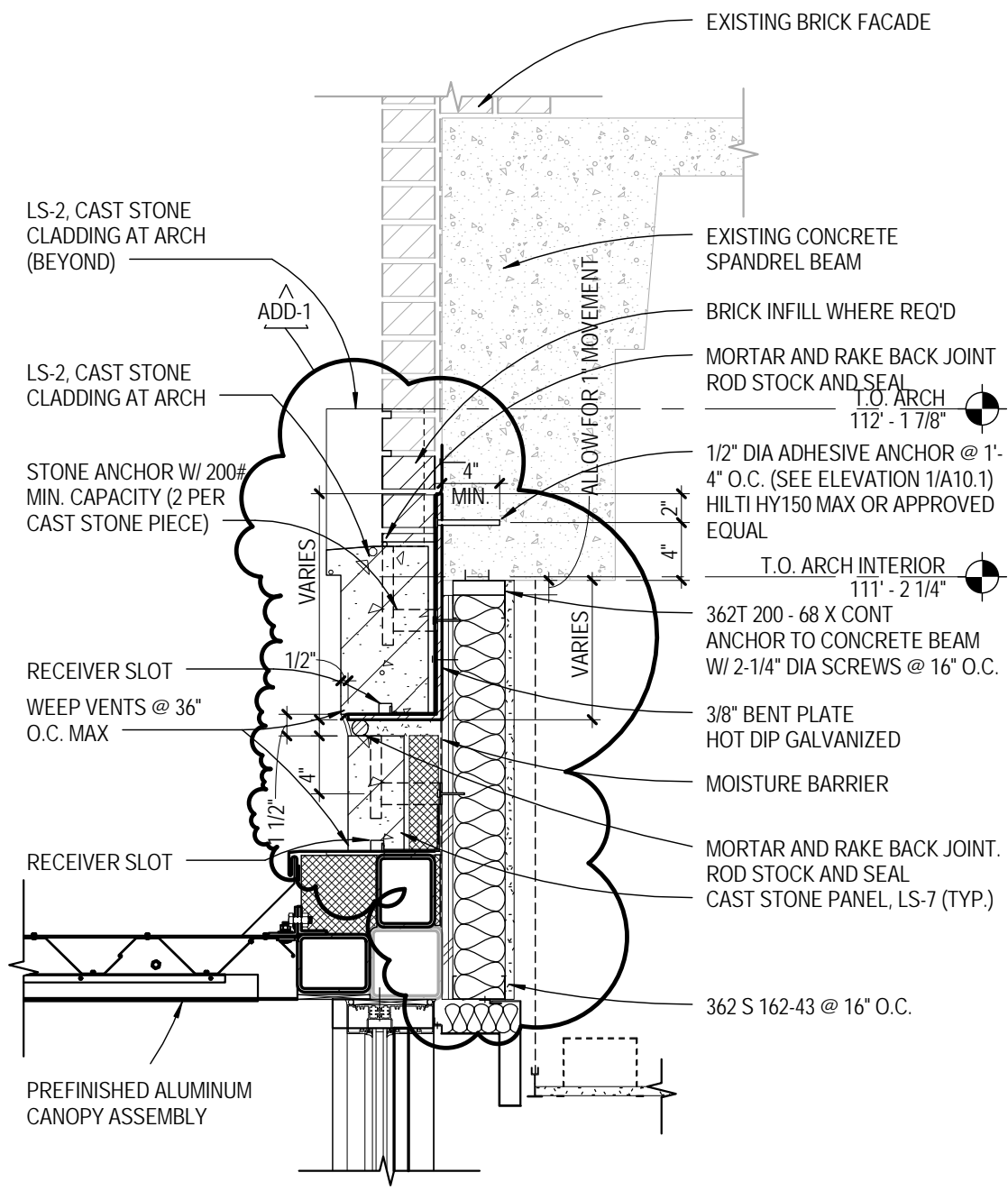
\*Number of hinges, as specified

END OF SECTION 084113



1  
A10.1 ARCH LINTEL ELEVATION  
SCALE: 1/4" = 1'-0"

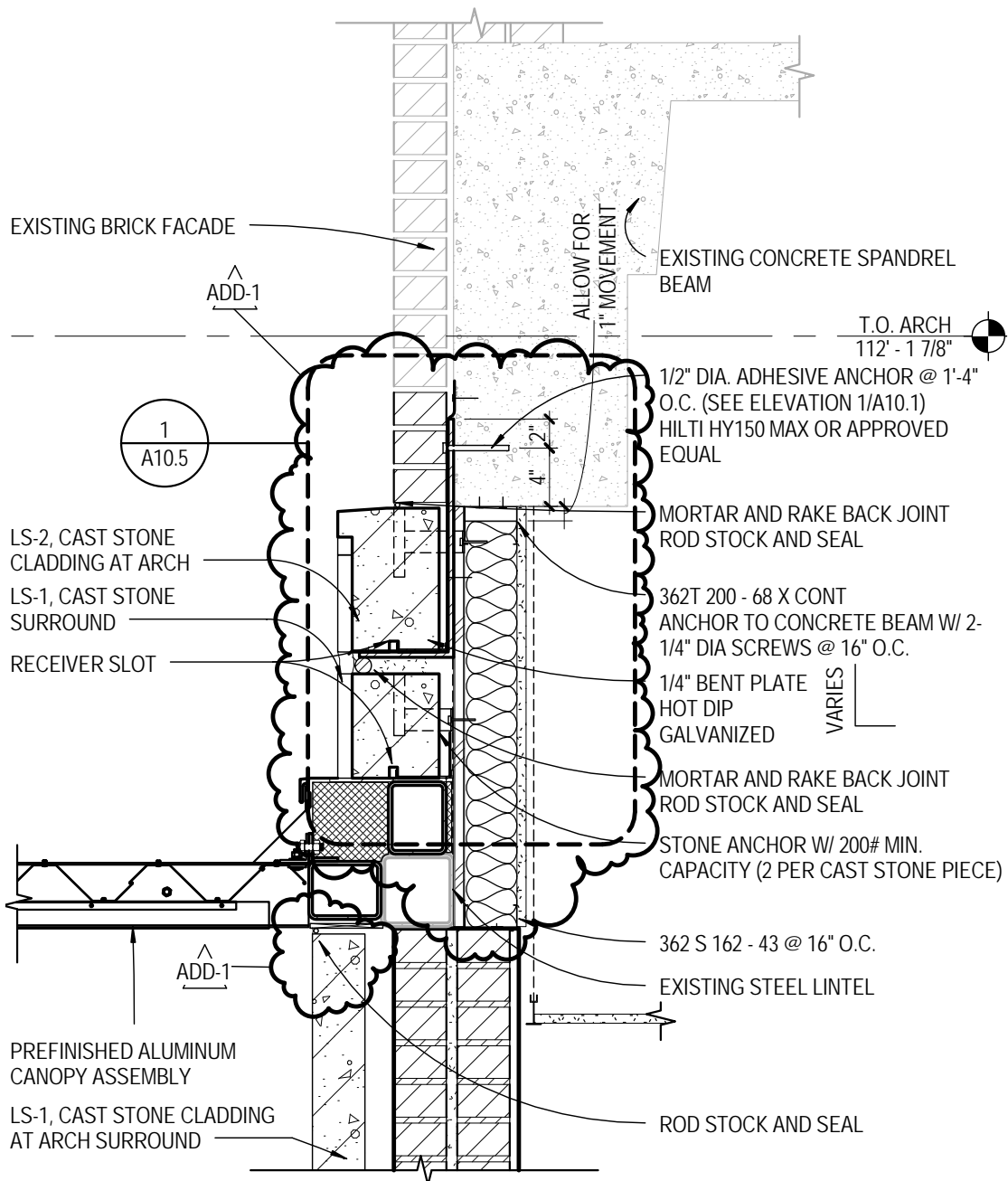
Attachment No. 1  
to ADDENDUM CC-2  
Dated: 9/13/2012



1 ARCH END SECTION  
 A10.2 SCALE: 1" = 1'-0"

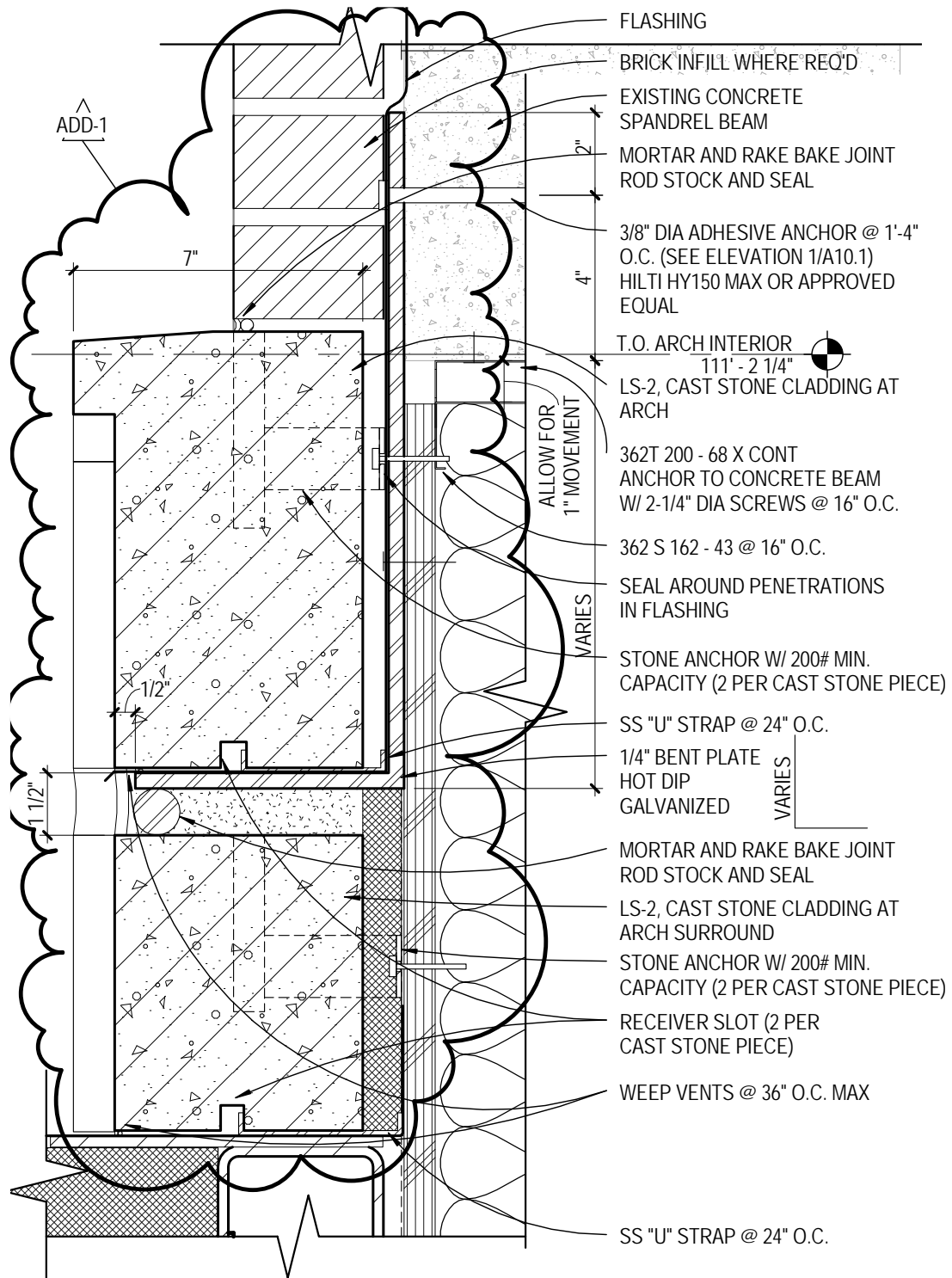
Attachment No. 2  
 to ADDAENDUM CC-2  
 Dated: 9/13/2012





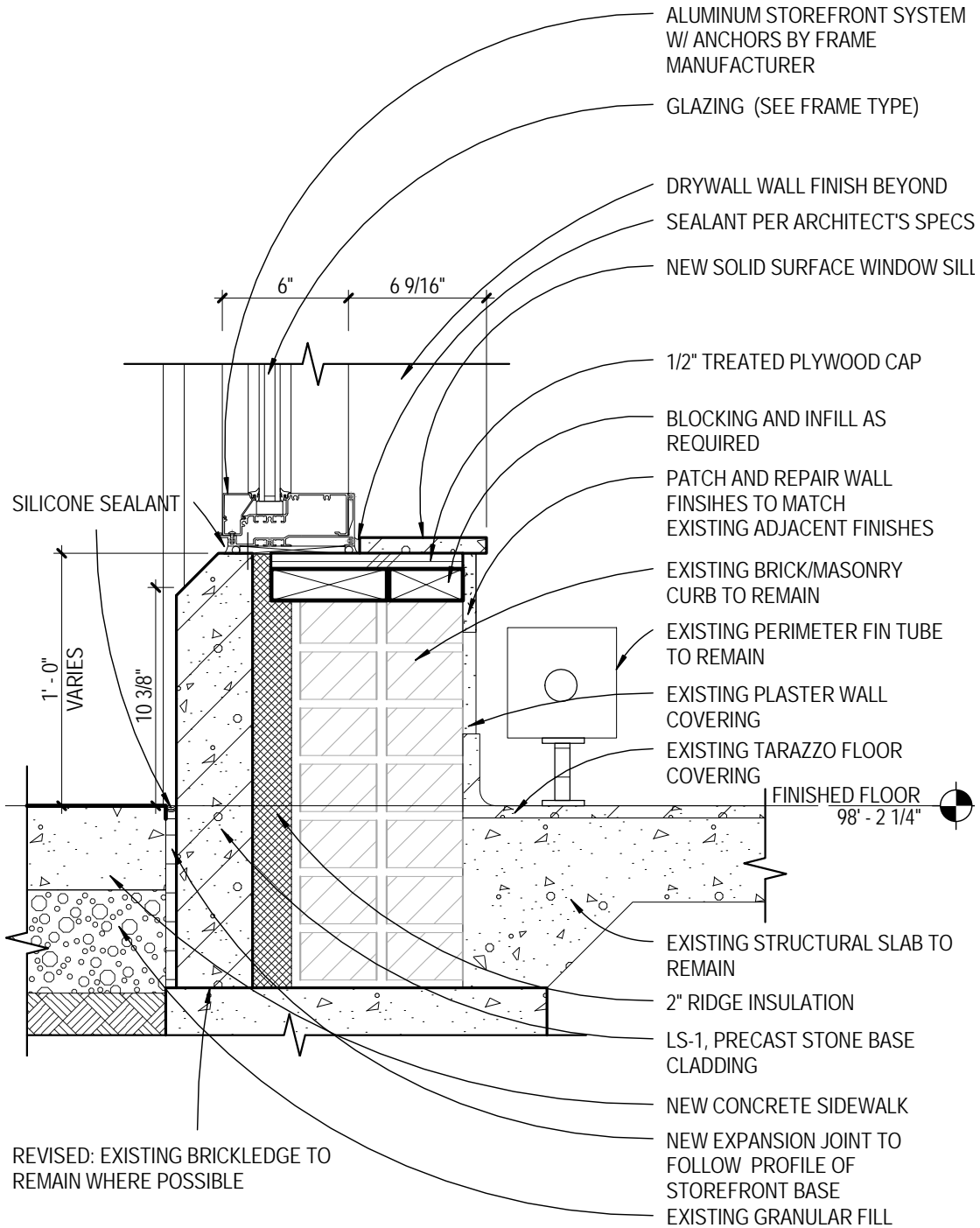
1 LINTEL SECTION AT CAST STONE ARCH SURROUND  
 A10.4 SCALE: 1" = 1'-0"

Attachment No. 4  
 to ADDENDUM CC-2  
 Dated: 9/13/2012



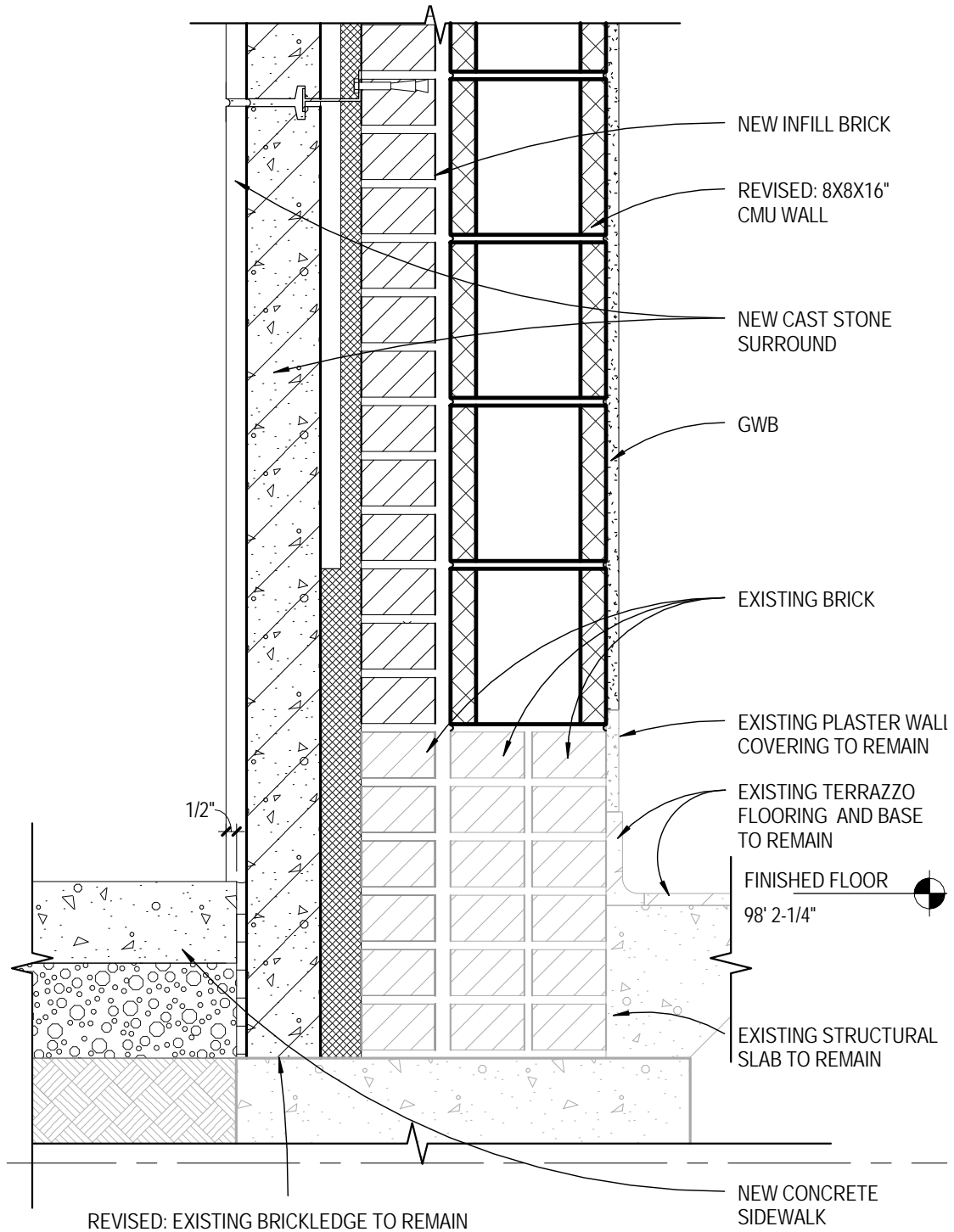
1 LINTEL DETAIL @ ARCH SURROUND  
 A10.5 SCALE: 3" = 1'-0"

Attachment No. 5  
 to ADDENDUM CC-2  
 Dated: 9/13/2012



1 DETAIL AT STOREFRONT SILL (TYP.)  
A10.6 SCALE: 1 1/2" = 1'-0"

Attachment No. 6  
to ADDENDUM CC-2  
Dated: 9/13/2012

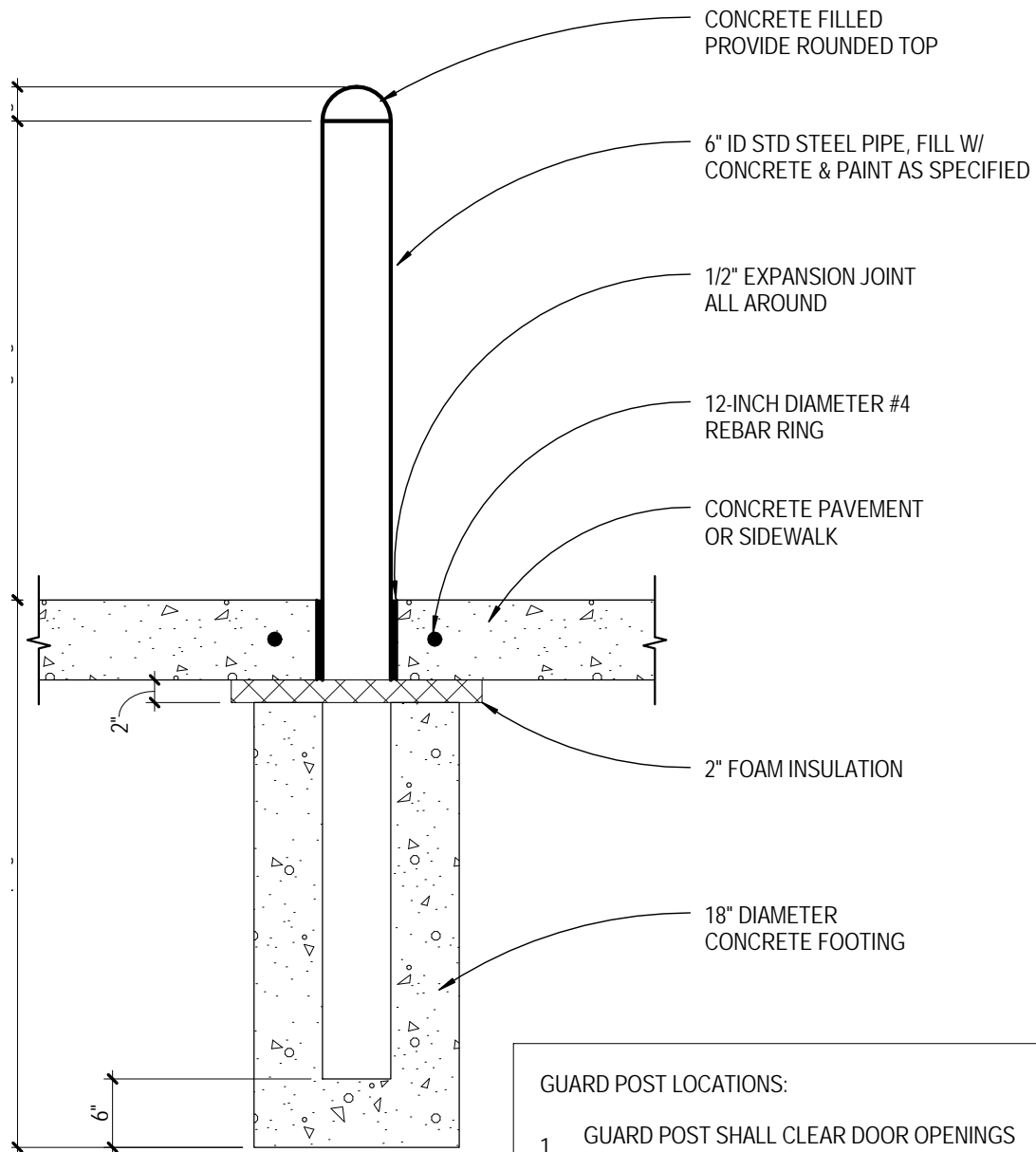


1  
A10.7

REVISED: WALL SECTION THROUGH NEW EXTERIOR WALL (TYP.)

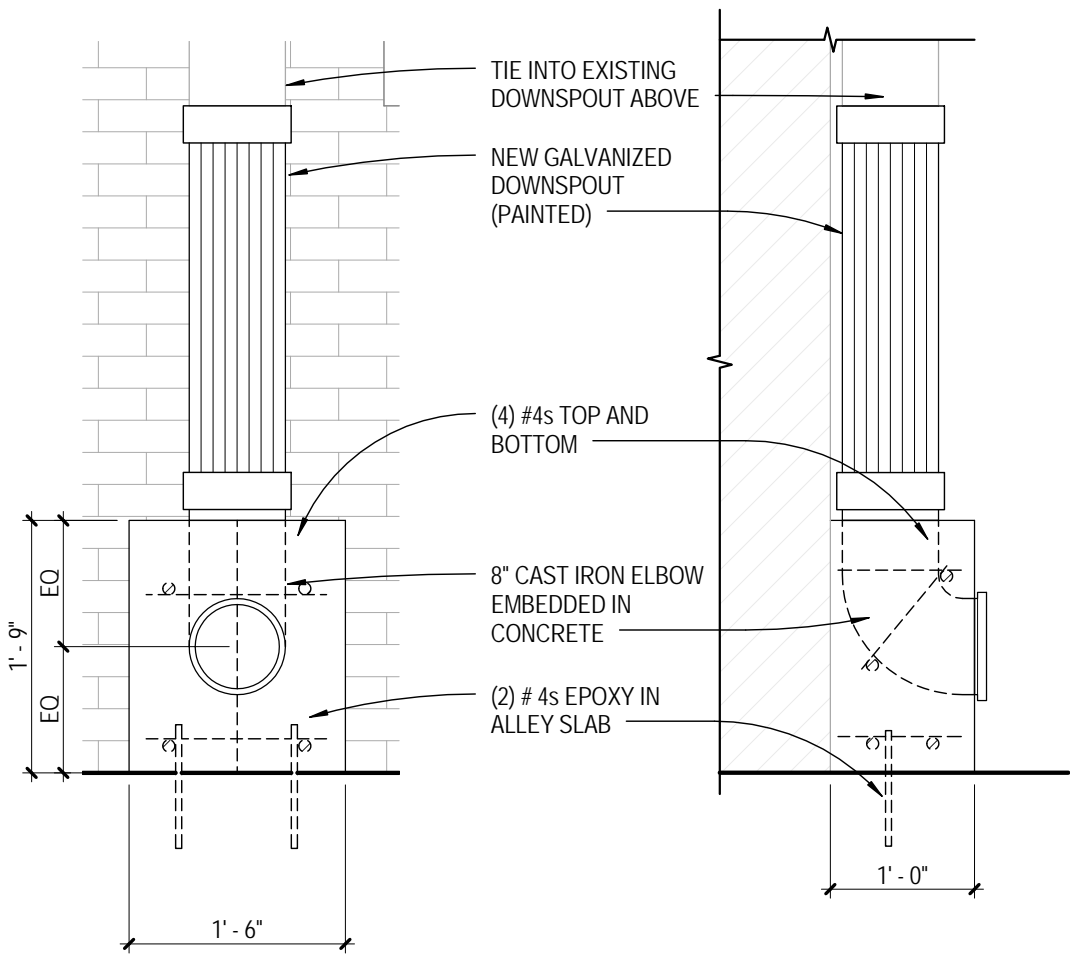
SCALE: 1 1/2" = 1'-0"

Attachment No. 7  
to ADDENDUM CC-2  
Dated: 9/13/2012



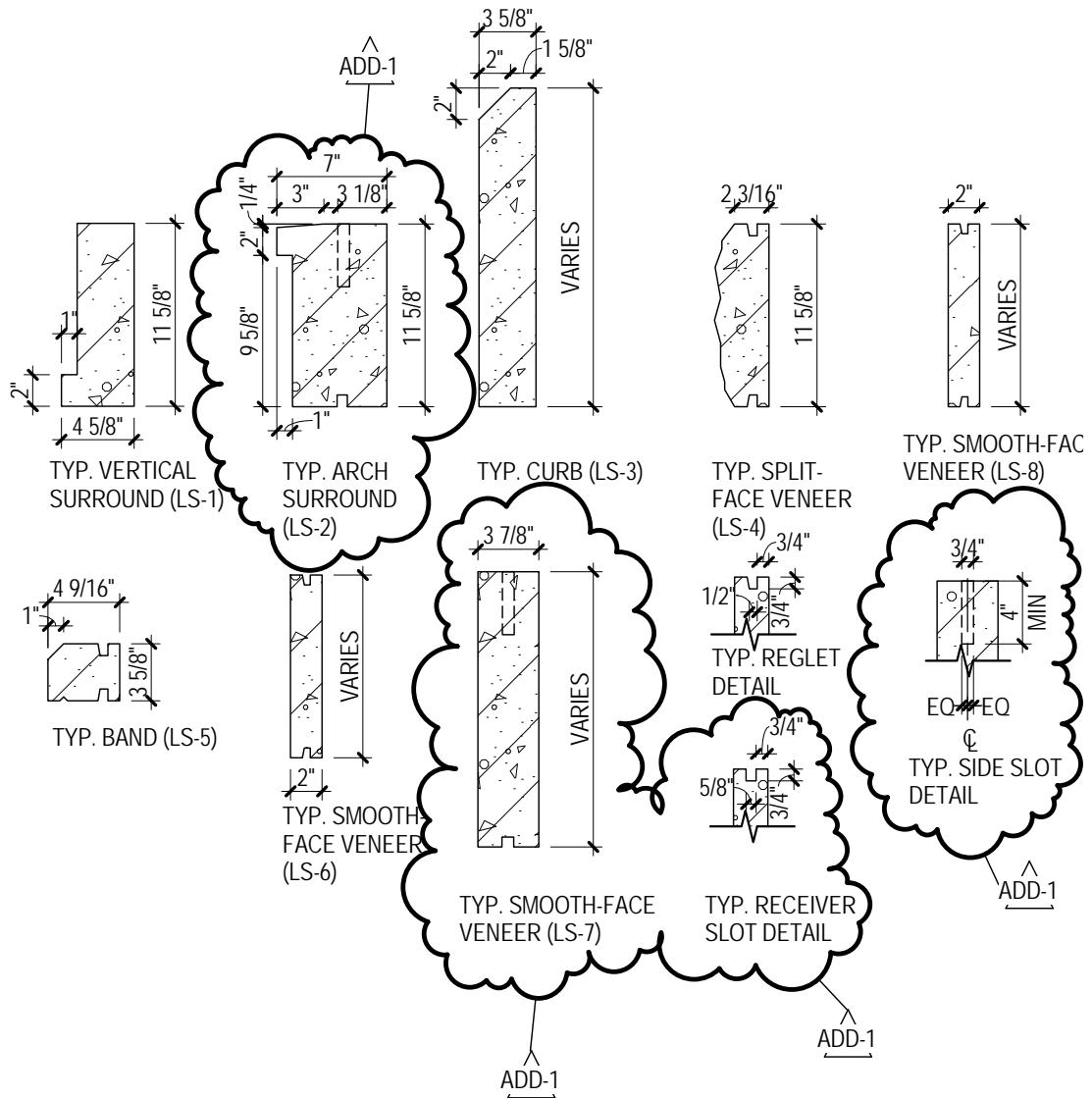
- GUARD POST LOCATIONS:
1. GUARD POST SHALL CLEAR DOOR OPENINGS BY ALIGNING FACE OF POST WITH DOOR OPENING
  2. GUARD POST FOOTING SHALL CLEAR FOOTINGS BY 2-INCHES MINIMUM

Attachment No. 8  
to ADDENDUM CC-2  
Dated: 9/13/2012

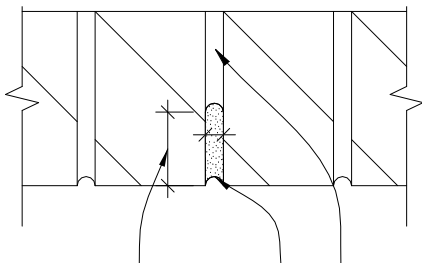


1 DOWNSPOUT DETAIL  
 A10.9 SCALE: 3/4" = 1'-0"

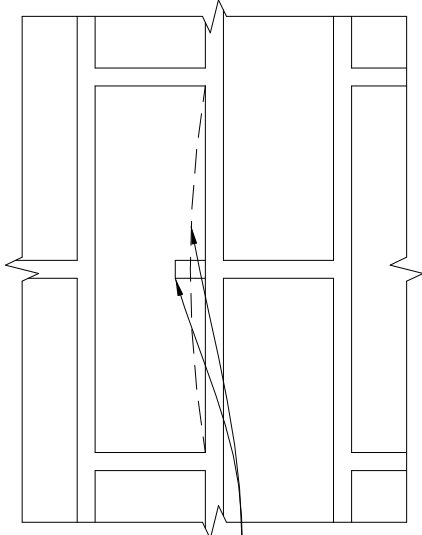
Attachment No. 9  
 to ADDENDUM CC-2  
 Dated: 9/13/2012



Attachment No. 10  
to ADDENDUM CC-2  
Dated: 9/13/2012



EXISTING SOUND MORTAR TO REMAIN.  
NEW JOINT PROFILE TO MATCH ORIGINAL. NEW MORTAR SHALL NOT EXTEND BEYOND EDGE OF MASONRY.  
GRIND JOINT APPROX 1 1/2" MIN. OR CONTINUE TO SOUND MORTAR.  
CLEAN JOINT AND POINT WITH NEW SELECTED POINTING MORTAR.  
DO NOT CHIP OR DAMAGE EXISTING MASONRY WHEN REMOVING MORTAR FROM JOINT.  
GRIND ALL HEAD JOINTS SIMILAR TO BED JOINTS.

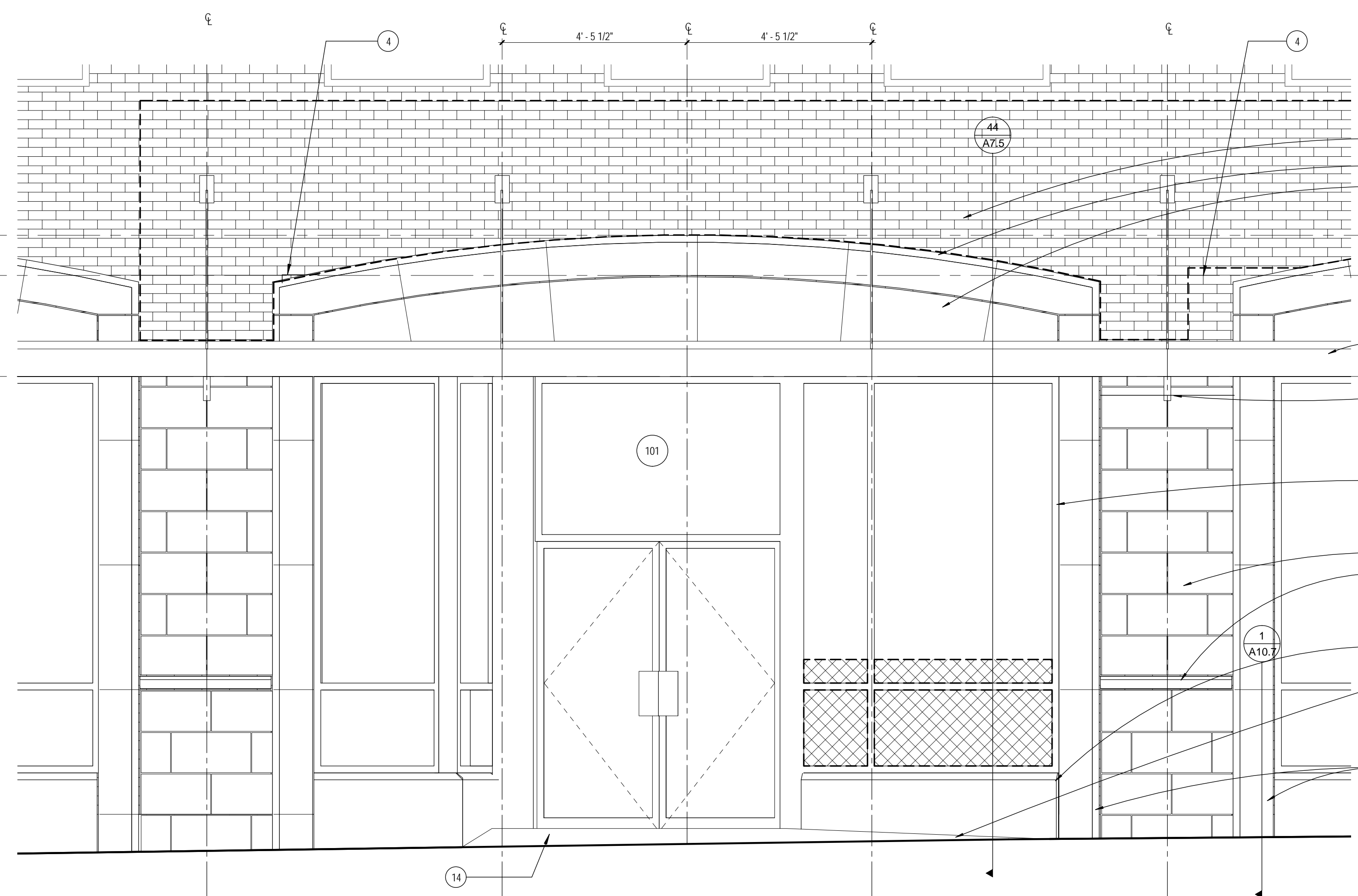


OVERCUTS INTO MASONRY JOINTS OR SAWCUTS SURFACE OF MASONRY UNACCEPTABLE -- MATERIAL REPLACED AT NO COST

1  
A10.11

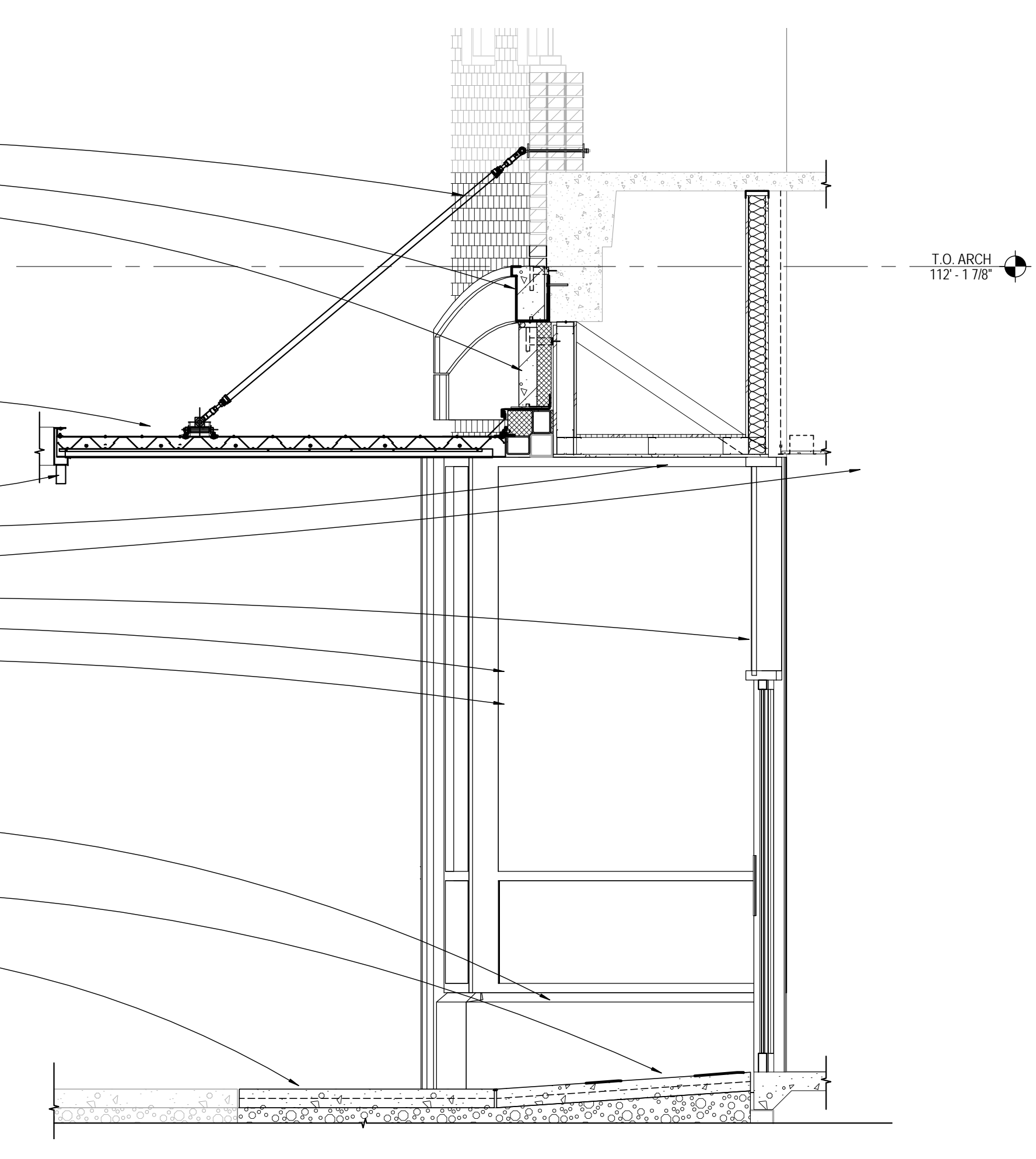
# TUCKPOINTING DETAIL (TYP.)

SCALE: 3" = 1'-0"



21 ELEVATION AT 14TH STREET ENTRANCE  
SCALE: 1/2" = 1'-0"

- CANOPY TIE-BACK
- L-2, CAST-STONE ARCH
- L-1, CAST-STONE INFILL
- T.O. ARCH 112'-1 7/8"
- T.O. ARCH INTERIOR 111'-2 1/4"
- CANOPY
- CANOPY ELEVATION 108'-9"
- SCUPPER CANOPY DRAIN. SEE ELEVATIONS FOR LOCATIONS
- GWB SOFFIT ASSEMBLY
- NEW LAY-IN CEILING TO MATCH EXISTING
- NEW ALUM AND GLASS STOREFRONT SYSTEM
- CAST-STONE CLADDING BEYOND
- NEW ALUM & GLASS SWING DOORS
- LS-6, CAST-STONE AT COLUMN
- LS-5, CAST-STONE AT COLUMN BAND
- LS-3, CAST-STONE BASE CLADDING
- RAMPED CONCRETE AT ENTRANCE NOT TO EXCEED 1:12 SLOPE
- NEW CONCRETE SIDEWALK W/ 6x6 WWF
- LS-1, CAST STONE SURROUND



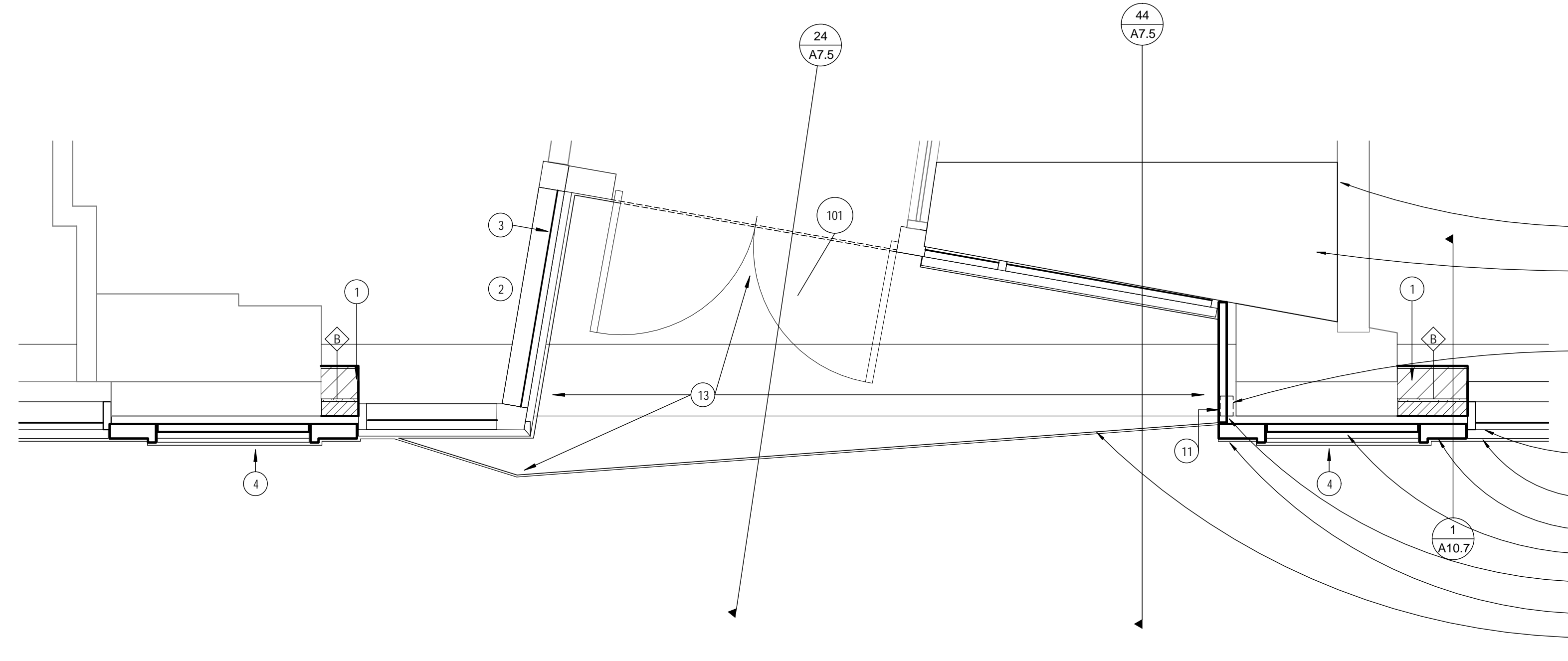
24 SECTION AT 14TH STREET ENTRANCE  
SCALE: 1/2" = 1'-0"

ELEVATION KEYNOTES

- 1 PROVIDE TINT FILM ON ALL EXISTING SECOND AND THIRD FLOOR WINDOWS. COLOR TO BE CHOSEN BY OWNER.
- 2 INSTALL NEW ALUMINUM CASEMENT WINDOW, PROFILES AND OPERATION TO MATCH ADJACENT EXISTING WINDOW. GLAZING FILM TO MATCH ADJACENT WINDOW.
- 3 INSTALL NEW CAST STONE CORNICE. PROFILE TO MATCH EXISTING CORNICE STONE AT NORTH FACADE. SEE DETAIL 11A/7.
- 4 TOOTH-IN MATCHING BRICK INFILL AS NEEDED.
- 5 INSTALL NEW LOUVER IN OPENING. COLOR TO MATCH NEW STOREFRONT SYSTEM.
- 6 EXISTING LIMESTONE CAP TO REMAIN. REMOVE, CLEAN AND RESEAL AS SHOWN IN DETAIL. PATCH AND REPAIR AS REQUIRED.
- 7 EXISTING LIMESTONE SILLS TO REMAIN. CLEAN, PATCH AND REPAIR AS REQUIRED.
- 8 EXISTING VENT OPENING TO RECEIVE NEW BRICK INFILL TO MATCH EXISTING.
- 9 POUR NEW CONCRETE RAMP AT 1:12 SLOPE.
- 10 NEW PAINTED 6" DIA STEEL TUBE BOLLARD WITH CONCRETE INFILL.
- 11 CAST STONE EDGE FINISHES.

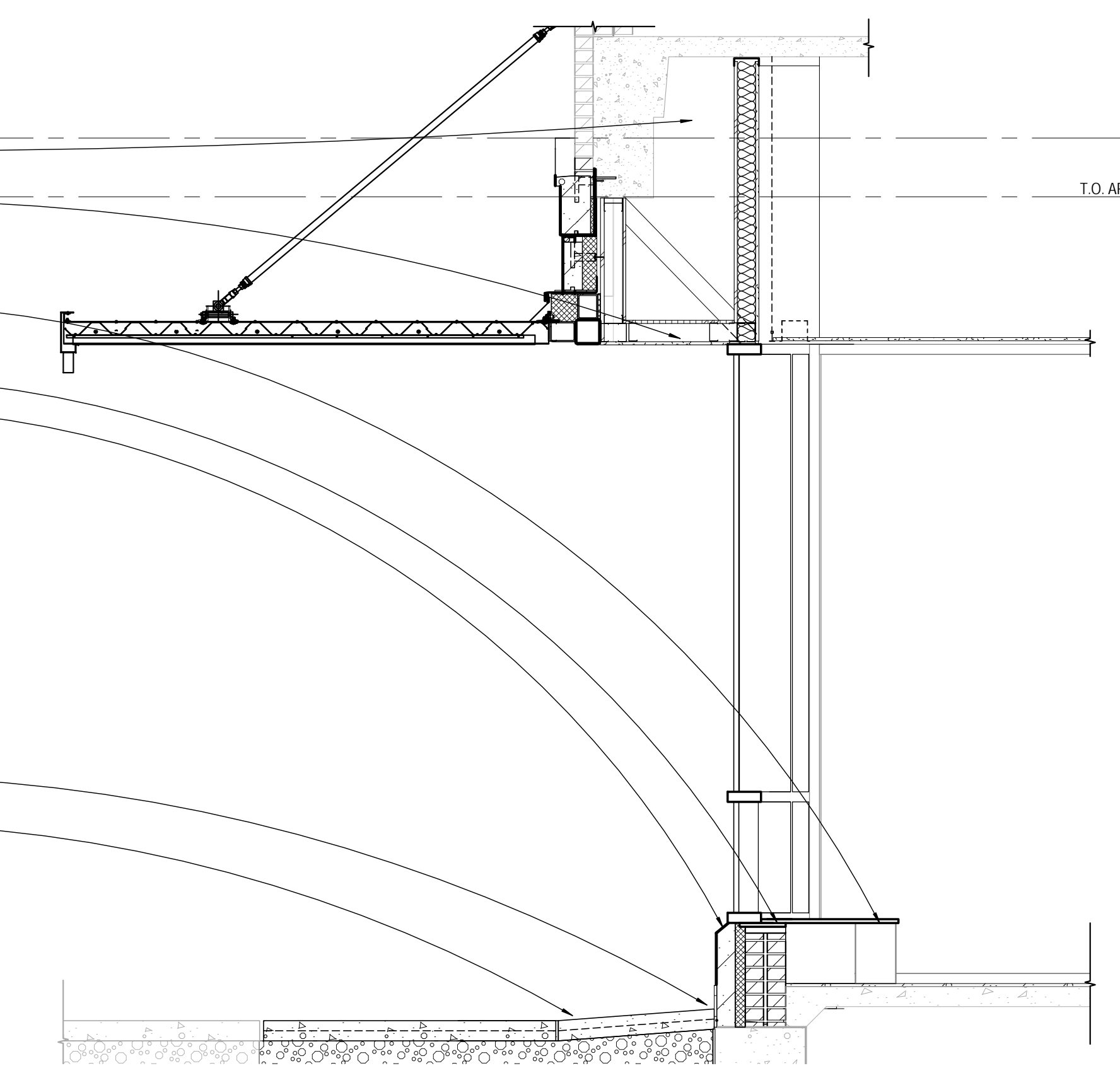
ELEVATION NOTES

- A. ALL STOREFRONT WINDOW OPENINGS ARE TO BE CENTERED ON EXISTING WINDOWS ON SECOND AND THIRD FLOOR. CONTRACTOR TO VERIFY.
- B. GRIND AND TUCK-POINT CLAY BRICK MASONRY ON SOUTH AND WEST ELEVATIONS AND WHERE NEEDED ON NORTH ELEVATION. REMOVE HEAD JOINTS COMPLETELY AND PROVIDE 1:12" OF NEW MORTAR CLEAN MASONRY AFTER TUCK-POINT WORK IS COMPLETE. IT IS ANTICIPATED THAT 10% OF THE SOUTH AND WEST FACADES MAY NEED TUCK POINTING, FOR BIDDING PURPOSES. SEE DETAIL 14A/7.1.
- C. CHECK EXISTING WINDOW SEALS. REMOVE WORN SEALS AND RESEAL WHERE NECESSARY.
- D. AT ALL BRICK LOCATIONS WHERE FACES HAVE BEEN REMOVED OR DAMAGED, REMOVE THE BRICK AND REPLACE.



41 14TH STREET STOREFRONT ENTRANCE PLAN  
SCALE: 1/2" = 1'-0"

- NOTE: ALL KICKERS IN PROJECT TO TIE BACK TO EXISTING CONCRETE SPANDREL BEAM
- GWB SOFFIT ASSEMBLY
- REMOVE TOP PORTION OF PLANTER WALL TO MEET BASE OF NEW STOREFRONT FRAME
- NEW SOLID SURFACE SILL. ALIGN BASE OF SILL WITH BASE OF STOREFRONT MULLION
- LS-3, CAST-STONE BASE CLADDING
- RELOCATE EXISTING HANDICAP DOR ACCESS BUTTON. RECESS BOX SO THAT FACE PLATE IS FLUSH WITH NEW CAST-STONE CLADDING. NOTIFY ARCHITECT IF EXISTING WALL CONSTRUCTION AND NEW DEVICE CONFLICT.
- NEW ALUMINUM AND GLASS STOREFRONT SYSTEM
- LS-3, CAST-STONE BASE CLADDING
- LS-1, CAST-STONE SURROUND
- LS-4, CAST-STONE AT COLUMNS
- LS-8, CAST-STONE AT COLUMN RETURNS
- 1/2" EXPANSION JOINT @ BUILDING PROFILE
- NEW SLOPED CONCRETE @ ENTRY. SLOPE NOT TO EXCEED 1:12



44 SECTION AT 14TH STREET ENTRANCE STOREFRONT  
SCALE: 1/2" = 1'-0"

FLOOR PLAN KEYNOTES

- 1 BRICK MASONRY INFILL WILL BE REQUIRED. PATCH AND REPAIR INTERIOR FINISH TO MATCH EXISTING ADJACENT AS REQUIRED
- 2 NEW ALUMINUM AND GLASS STOREFRONT SYSTEM. CENTERLINE OF SYSTEM TO ALIGN WITH CENTERLINE OF WINDOW GROUPINGS ABOVE. SEE ELEVATIONS AS.1.
- 3 INFILL WALL TO WINDOW WHERE NEEDED. CONTRACTOR TO VERIFY.
- 4 NEW CAST-STONE CLADDING. SEE DETAILS ON SHEETS A4 & A7.5.
- 5 PROVIDE AND INSTALL NEW CERAMIC FLOOR TILE FINISH.
- 6 INSTALL NEW OVERHEAD DOOR AND OPENER.
- 7
- 8 INDICATES LOCATION OF ORIGINAL CORNICE STONE PROFILE TO BE USED FOR RECREATION OF NEW CAST STONE REPLACEMENT.
- 9 NEW CONCRETE SIDEWALK. PERPENDICULAR CONTROL JOINTS TO ALIGN WITH EXISTING.
- 10 NEW PAINTED 6" DIA STEEL TUBE BOLLARD WITH CONCRETE INFILL.
- 11 RELOCATE EXISTING HANDICAP DOOR ACCESS BUTTON. ALL BUTTONS TO BE RECESSED MOUNTED IN NEW CAST-STONE CLADDING.
- 12 NEW PREFINISHED ALUMINUM CANOPY SYSTEM.
- 13 NEW CONCRETE RAMP AT SIDEWALK. SLOPE NOT TO EXCEED 1:12.

14TH STREET STOREFRONT ENTRANCE  
TSB EXTERIOR RENOVATION  
1400 "M" ST. LINCOLN, NE

A7.5  
10-09006-30  
08/27/2012  
Revisions