



August 11, 2009

To: Plans and Specifications Holders List for:

Addendum No. 001  
9-090813A

DISTRICT – 2, Brick Building Restoration, Macon, Missouri

**The bid opening date and time is hereby changed to August 14, 2009 at 3:00 PM.**

Changes:

Section 00100, 10.A. The number of working days allowed shall be: 45 working day.

Section 00100, 10.B. The liquidated damages shall be: \$350 per working day.

Add attached specification sections.

SECTION 071326 - SELF-ADHERING SHEET WATERPROOFING (1-page)

CONTINUATION OF SPECIFICATION FROM SHEET A702 (2-pages)

Pricing:

Remove and replace the Bid Page with attached Bid Form.

Brick on 1939 original building that has spalled, broken, cracked, or faze repaired must be removed and replaced. Owner shall furnish 1,500 bricks for this work.

If, fewer than 1,500 brick are replaced, a deduct change order will be issued in the amount of \$2.95 per brick.

If, additional brick are required, an add change order may be issued in accordance with the change order provisions of the original bid documents.

Clarification:

Contractor shall clean all windows in the building upon completion of the project.

Dust control shall be required for cutting stone, grout, mortar, and brick.

- END SECTION -

**CONTINUATION OF SPECIFICATION FROM SHEET A702**

- a. ....ANGLE GRINDERS WITH DIAMOND-IMPREGNATED METAL BLADES. REMOVE REMAINING MORTAR BY HAND WITH CHISEL AND RESILIENT MALLET.
  
- B. NOTIFY ARCHITECT OF UNFORESEEN DETRIMENTAL CONDITIONS INCLUDING VOIDS IN MORTAR JOINTS, CRACKS, LOOSE MASONRY UNITS, ROTTED WOOD, RUSTED METAL, AND OTHER DETERIORATED ITEMS.
  
- C. POINTING WITH MORTAR:
  - 1. RINSE JOINT SURFACES WITH WATER TO REMOVE DUST AND MORTAR PARTICLES. TIME RINSING APPLICATION SO, AT TIME OF POINTING, JOINT SURFACES ARE DAMP BUT FREE OF STANDING WATER. IF RINSE WATER DRIES, DAMPEN JOINT SURFACES BEFORE POINTING.
  - 2. APPLY POINTING MORTAR FIRST TO AREAS WHERE EXISTING MORTAR WAS REMOVED TO DEPTHS GREATER THAN SURROUNDING AREAS. APPLY IN LAYERS NOT GREATER THAN 3/8 INCH UNTIL A UNIFORM DEPTH IS FORMED. FULLY COMPACT EACH LAYER THOROUGHLY AND ALLOW IT TO BECOME THUMBPRINT HARD BEFORE APPLYING NEXT LAYER.
  - 3. AFTER LOW AREAS HAVE BEEN FILLED TO SAME DEPTH AS REMAINING JOINTS, POINT ALL JOINTS BY PLACING MORTAR IN LAYERS NOT GREATER THAN 3/8 INCH. FULLY COMPACT EACH LAYER AND ALLOW TO BECOME THUMBPRINT HARD BEFORE APPLYING NEXT LAYER. WHERE EXISTING MASONRY UNITS HAVE WORN OR ROUNDED EDGES, SLIGHTLY RECESS FINISHED MORTAR SURFACE BELOW FACE OF MASONRY TO AVOID WIDENED JOINT FACES. TAKE CARE NOT TO SPREAD MORTAR BEYOND JOINT EDGES ONTO EXPOSED MASONRY SURFACES OR TO FEATHEREDGE THE MORTAR.
  - 4. WHEN MORTAR IS THUMBPRINT HARD, TOOL JOINTS TO CONCAVE WEATHER JOINT. REMOVE EXCESS MORTAR FROM EDGE OF JOINT BY BRUSHING.
  - 5. CURE MORTAR BY MAINTAINING IN THOROUGHLY DAMP CONDITION FOR AT LEAST 72 CONSECUTIVE HOURS INCLUDING WEEKENDS AND HOLIDAYS.
    - a. ACCEPTABLE CURING METHODS INCLUDE COVERING WITH WET BURLAP AND PLASTIC SHEETING, PERIODIC HAND MISTING, AND PERIODIC MIST SPRAYING USING SYSTEM OF PIPES, MIST HEADS, AND TIMERS.
  - 6. HAIRLINE CRACKING WITHIN THE MORTAR OR MORTAR SEPARATION AT EDGE OF A JOINT IS UNACCEPTABLE. COMPLETELY REMOVE SUCH MORTAR AND REPOINT.
  
- D. WHERE REPOINTING WORK PRECEDES CLEANING OF EXISTING MASONRY, ALLOW MORTAR TO HARDEN AT LEAST 30 DAYS BEFORE BEGINNING CLEANING WORK.

1.2 FINAL CLEANING

A. AFTER MORTAR HAS FULLY HARDENED, THOROUGHLY CLEAN EXPOSED MASONRY SURFACES OF EXCESS MORTAR AND FOREIGN MATTER; USE WOOD SCRAPERS, STIFF-NYLON OR -FIBER BRUSHES, AND CLEAN WATER, SPRAY APPLIED AT LOW PRESSURE.

1. DO NOT USE METAL SCRAPERS OR BRUSHES.
2. DO NOT USE ACIDIC OR ALKALINE CLEANERS.

END OF SECTION 040120

## SECTION 071326 - SELF-ADHERING SHEET WATERPROOFING

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. THIS SECTION INCLUDES THE FOLLOWING:

1. MODIFIED BITUMINOUS SHEET WATERPROOFING.
2. MOLDED-SHEET DRAINAGE PANELS.

#### 1.2 SUBMITTALS

- A. PRODUCT DATA: INCLUDE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR EVALUATING, PREPARING, AND TREATING SUBSTRATE, TECHNICAL DATA, AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES OF WATERPROOFING.
- B. SHOP DRAWINGS: SHOW LOCATIONS AND EXTENT OF WATERPROOFING. INCLUDE DETAILS FOR SUBSTRATE JOINTS AND CRACKS, SHEET FLASHINGS, PENETRATIONS, INSIDE AND OUTSIDE CORNERS, TIE-INS WITH ADJOINING WATERPROOFING, AND OTHER TERMINATION CONDITIONS.

#### 1.3 QUALITY ASSURANCE

- A. INSTALLER QUALIFICATIONS: A FIRM THAT IS ACCEPTABLE TO WATERPROOFING MANUFACTURER FOR INSTALLATION OF WATERPROOFING REQUIRED FOR THIS PROJECT.

#### 1.4 PROJECT CONDITIONS

- A. ENVIRONMENTAL LIMITATIONS: APPLY WATERPROOFING WITHIN THE RANGE OF AMBIENT AND SUBSTRATE TEMPERATURES RECOMMENDED BY WATERPROOFING MANUFACTURER. DO NOT APPLY WATERPROOFING TO A DAMP OR WET SUBSTRATE.

#### 1.5 WARRANTY

- A. SPECIAL MANUFACTURER'S WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPLACE WATERPROOFING MATERIAL THAT DOES NOT COMPLY WITH REQUIREMENTS OR THAT FAILS TO REMAIN WATERTIGHT WITHIN SPECIFIED WARRANTY PERIOD.
1. WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

**SEE SHEET A702 FOR CONTINUATION OF SPECIFICATIONS.....**

**SECTION        00301**  
**BID FORM**

To:                    The Missouri Highway and Transportation Commission, Jefferson City, Missouri

1. The undersigned, having examined the proposed Contract Documents titled: **“Building Restoration”** and having visited the site and examined the conditions affecting the Work, hereby proposes and agrees to furnish all labor, materials, equipment and everything which may be necessary or incidental thereto, as proposed by said Contract Documents, all to the satisfaction of the Chief Engineer of the Missouri Department of Transportation and the Missouri Highway and Transportation Commission, for the stipulated sum of:

\_\_\_\_\_ Dollars \$\_\_\_\_\_).

2. The undersigned, acknowledges having examined and being familiar with the contract documents including the drawings, the Instructions to Bidders, General Conditions, Supplementary Conditions and the body of technical specifications.
3. The undersigned acknowledges receipt of Addenda number \_\_\_\_\_ through \_\_\_\_\_ inclusive.
4. Enclosed with this bid is bid security in the amount of not less than 5% of the bidder's proposed Contract Sum, the amount being \_\_\_\_\_ DOLLARS (\$\_\_\_\_\_).

**IF AN INDIVIDUAL**

Name of individual	Residence address
Social Security Number	Telephone Number
Firm Name, If Any	
Address for communications	Signature