

# DOCUMENT 00 0910.00 - ADDENDUM NUMBER ONE (1)

March 6, 2015

## 1 - PROJECT INFORMATION

**PROJECT:** Multiple Roof Replacement projects

**OWNER:** MHMRA of Harris County

### RECEIPT OF BID INFORMATION:

**DATE:** Friday, March 06, 2015

**TIME:** Bids Will Be Received Until 2:00 PM, Local Time.

**LOCATION:** MHMARA of Harris County  
Purchasing Department  
Att: Thelma C. Bannister, Buyer II  
7011 Southwest Freeway, Houston, TX 77074

**BID TYPE:** Stipulated Amount - Lump Sum

## 2 - BIDDING DOCUMENT INFORMATION

2.1 PROJECT MANUAL and DRAWINGS: Dated January 2015

A. Project Manual and Drawings, prepared by Amtech Building Sciences, Inc., Houston Office, for the referenced Project are hereby amended as follows:

## 3 - REVISIONS TO DRAWINGS

3.1 DRAWING R-1

A. Roof Systems

1. Roof system: All roof areas

- a. The existing BUR systems will be removed down to a clean dry deck. The Coal tar pitch roof will be spudded free of all gravel and loose membrane. The coated roof systems will be ground, wire brushed, spudded and power washed to remove all loose membrane.
- b. All roof drains and scuppers are to be sumped with tapered insulation. The sumped area will be a minimum of 7 feet by 7 feet at roof drains and 3.5 feet by 7 feet at scupper locations. Sloped at ½ inch per foot. Where field insulation is higher than outside edge of sumped area the edge of higher boards will be chamfered at a 45 degree angle so that a smooth transition into the sumped area is achieved.
- c. The PVC roof systems will consist of a **minimum R** value of 20 made up of two layers of 1.8 inch insulation with a ½ inch cover board (Dens Deck) and 60mil PVC.
- d. Building 9401
  - 1) On roof areas over –Non-condition space below will only need one layer of 1.5 insulation inch, ½ cover board (Dens Deck) and 60 mil PVC. Roof areas C &H.

- 2) Roof area D, E, F, and G – Non Conditioned space, no insulation or cover board will be required. Over a clean sound surface install 60 Mil PVC Felt Backed membrane in in Solvent Based Adhesive
- 3) Roof area A & B are shown to receive minimum R value of insulation equaling R 20 starting with a 2 inch base insulation and tapered insulation at 1/8 inch per foot with a starting thickness of the 2 inch and the tapered to be R20. Also a ½ cover board adhered to the insulation surface before the PVC 60 mil membrane is fully adhered.

**In lieu of the 1/8 inch tapered use 1/16 inch per foot tapered insulation with crickets at 1/8 inch with a base layer of 1.8 inch insulation and tapered to reach an R value of R20 min, ½ inch Den Deck and 60 mil PVC.**

B. Detail A-1 on A1.41.

1. Do not relocate existing lightning protection bracket attached to parapet walls. **In lieu of the existing detail, coat the area at each bracket 12 inched wide with PMMA (Siplast, Johns Manville or Soprema) at each bracket. Extend the coating out to and on top of the existing parapet staying 1 inch off outside edge and 4 inches below the bracket.**
2. The lightning protection aluminum braded cable that is found on roof surface areas that are to receive new PVC membrane are to be replaced if they are presently contaminated with Coal tar pitch or Asphalt, on either of those existing surfaces the contractor is to replacement of the cable and attachment points and recertify.

C. A1.41 and A1.42 roof areas A & B:

1. The chill water lines shown will be removed by others as well as the RTU labeled Chiller. The roofing contractor will need to remove and dispose of existing pipe supports and the Chiller unit curbs.
2. **Walk Pads:** The contractor is to install walk pads perpendicular to the parapet walls in roof areas A & B. The walk pads will be the width of the roll and extend out onto the roof 12 feet as indicated by the dashed line on the drawing. The pads will be kept 8 inches away from the base of the wall and will have a 6 inch space between pads. The walk pads will be fully heat welded at the perimeter of each pad.

D. Addition detail attached. For the flashing of lightning protection rods that penetrate the PVC membrane in the field. Harpers #230VBM -18 or Architect approved equal.

#### **4 - REVISIONS TO SPECIFICATIONS**

- 4.1 Provide add alternate for Buildings 9401South West Freeway and 2505 Southmore Boulevard. **Add alternate** is to provide 80 mil PVC in lieu of the base bid 60 mil PVC. Information will be added to proposal Rely Pages – as provided by Owner.
- 4.2 09 9000 – Painting
  1. All buildings that receive new shingles will have fascia, trim and soffit painted.
- 4.3 26 500 – Common Work Results for Electrical – Add to Section.

A. PRODUCTS

1. MATERIALS

- a. **Primary Products:** Those required for original installation.

- b. Lightning Protection Devices: Those required to match existing installation or to meet applicable Electrical Codes and as defined by LPI and Industry Standards, including:
  - 1) Air Terminals: Inconspicuous slender rods.
  - 2) Conductors: Copper cables to interconnect air terminals and other system components.
  - 3) Ground Terminations: Metal rods driven into earth.
- B. Surge Arrestors and Suppressors: Devices installed in conjunction with a lightning protection system to protect electrical wiring and electronic systems and equipment
- 1. ROOF-MOUNTED LIGHTENING PROTECTION SYSTEM RESTORATION
  - a. Remove and reinstall existing lightening protection system and devices under direct supervision of a LPI Certified Master Installer or certified manufacturer's representative.
  - b. Coordinate with other trades to insure a correct, neat, and unobtrusive installation. Install all equipment in a neat workmanlike manner in most inconspicuous manner possible.
  - c. Protect existing through -roof riser assemblies and/or download cables during roof tear-off and extend or modify as required to suit new roofing system.
  - d. Replace all broken or missing downloads and/or through-roof riser assemblies to applicable codes.
  - e. Do not bring cables directly through roof. Provide solid rods or conduit for all through roof connectors and penetrate through approved pitch pocket or cable penetration detail.
  - f. Ensure a sound bond to main water service and interconnection with other building ground systems, including both telephone and electrical.
  - g. Provide or coordinate installation of arresters on power and telephone service by Utility Provider or Electrical Contractor.
  - h. Coordinate all flashing and sealing of lightning protection system roof penetrations to ensure proper installation by roofing contractor in accordance with roofing system manufacturer's requirements.

**END OF ADDENDUM 00 0910**