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SECTION 01019

PROJECT DESCRIPTION

PART 1 GENERAL

1.1 APPLICABILITY

The following is a general description of the work required and shall not be construed as a complete listing of all work required to satisfactorily complete the project as required by the contract drawings and other sections of these specifications.

1.2 DESCRIPTION

1.2.1 Description of Work

Reroofing of various buildings at Johnson Space Center.

1.2.1.1 Bid Packaging

Bid packaging includes work scopes described as: Base Bid and Options.

The summary Scope of Work for Base Bid follows:

Base Bid (Lump Sum): Reroofing scope includes but is not limited to:

controls and protection,

demolition and removal of current roofing systems down to various building's deck types per requirements,

testing of buildings original roofing assembly components to establish roofing manufacturers attachment method for attaining the Wind Uplift Classification specification for the project,

installation and warranty of new reroofing system using manufacturers approved components, insulation, and reroofing system, and that meets the specifications requirements,

installation of new fall arrest system,

lightning protection,

accomplishment of building specific work scope requirements as listed in Table 1.0, "Building Specific Scope List" attached to the back of this section.

Option Bid:

The Summary Scope of Work for Option Bids follows:

Option Bids (Lump Sum Per Option). Options as listed in Table 1.0, "Building Specific Scope List", include

but are not limited to:

Scopes as listed in Base Bid Paragraph entitled Base Bid (Lump Sum) above.

reroofing of loggias at various buildings are included as individual options.

1.2.2 Reroofing Work Description

Reroofing work for Base and Option Bids includes but is not limited to:

Protection and controls:

Protection of building occupants, building, lab and operations equipment, from demolition risk such as but not limited to: asbestos containing materials (ACM), dust of any material, dead and live loads relative to reroofing operations, demolition, debris, falling objects, water penetration, falling equipment and components, and includes but is not limited to:

necessary contractor controls and protection and preventative work to accomplish protection and controls to mitigate potential risk,

contractor management and coordination of all reroofing work with Contracting Officer (CO), and building managers and occupants.

Demolition and removal:

Demolition and removal of installed roof systems, and components down to specified building decks,

Reroofing includes installation of a specified reroofing system that includes but is not limited to:

waterproofing and tie-ins

board insulation:

includes installation of various thickness of insulation attached per roofing manufacturer's requirements and project requirements to different deck types, such that roof slopes to drains as specified in Table 1.0, "Building Specific Scope List", at the final finished slope of roof system surface is achieved.

fasteners,

cover boards,

SMS modified bitumen reroofing system (for all but loggia reroofs which are per Table 1.0, "Building Specific Scope List"),

flashings, curbs, expansion joints, penetrations and other roofing system components, replacement of curb mounted mechanical intake and exhaust vents and hoods, covers, and roof access hatches,

Associated work includes but is not limited to:

safety,
 quality control,
 scheduling,
 installation of new fall protection system,
 lightning protection,
 as-building documentation,
 site investigation,
 asbestos abatement for new Latchway fall protection systems, and
 other miscellaneous areas as a result of reroofing operations,
 asbestos control planning, protecting, monitoring, interior area
 cleanup for demolition and reroofing phases, and final cleaning of
 the surfaces of equipment within the air-return plenum system at
 floor directly below roofs,
 as- building

Coordination and accomplishment of: controls, protection, demolition,
 and reroofing work schedules in manner that will permit users of
 facility to safely maintain operations with minimum interruption for
 demolition and reroofing operations

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 WIND UPLIFT CLASSIFICATION

Table 1.0 Building Specific SOW List, column titled "Wind Uplift Classification", list the basic wind speed in miles per hour (mph), which is the 3-second gust speed at 33 feet above the ground. This basic wind speed shall be used per ASCE7-05 to calculate the design pressures at each buildings components and cladding, and to derive the FMG wind uplift classification for each respective building and their respective roof zones. The following minimum requirements for JSC building shall be utilized using ASCE7-05 when determining the design pressures;

- a. Importance Factor: 1.0
- b. Exposure "C"

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