

DEPARTMENT OF MILITARY AFFAIRS
CFMO CONTRACT MANAGEMENT BRANCH
ISSUED ADDENDUM

February 5, 2015

FINAL ADDENDUM

Project # 215012

Project Name: Jax Snyder NGA Roof

FROM: Department of Military Affairs, CFMO Contracting Branch

This addendum and the listed attachments forms a part of the contract documents and modifies the original bidding documents dated February 3, 2015. Acknowledge receipt of this addendum in your Exhibit 4 Bid Proposal form. Respondents are hereby informed that the Invitation to Bid has been clarified in the following answers to bidders' questions:

Any concerns with this addendum should be addressed to ng.fl.flarng.list.ngfl-cfmo-contracting@mail.mil

This addendum consists of 6 pages

GENERAL/Pre-Bid Meeting Minutes
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Bid Opening Date: 25 February 2015 at 2:00 pm local time at RFE Armory, St. Augustine (unchanged at this time)

A. Updated Scope of Work

- Remove existing two roofs, related insulations & flashings to existing top Lightweight Concrete Roof Deck.
- Install a 115 mil Fleece Back TPO single ply roof system to existing Lightweight Concrete roof deck using two part Low Rise Urethane Foam adhesive per code approval.
- Install new projection flashings based on manufacturer's specifications and details.
- Remove existing metal roof edge, gutters and downspouts.
- Fabricate and install .040 painted aluminum drip edge, gutter & downspouts to remain in place or reinstall if removed.
- Provide 20 year No Dollar Limit workmanship, labor and material manufacturer's warranty.
- Provide a 3 year labor warranty.
- Frame and deck across low (drop down areas) prior to roofing.
- Remove parapet wall area (where mechanical systems were in place at one time and have been removed) and patch for a smooth transition prior to roofing.

SPECIFICATIONS

PART 1 GENERAL

SUMMARY

A. Section Includes

1. Thermoplastic Sheet Roofing

SCOPE

A. Tear off existing roofs, insulation and flashing materials to Lightweight Concrete Roof Deck and dispose of in approved landfill.

B. Install a 115 mil Fleece Back TPO single ply roof system to existing Lightweight Concrete roof deck using two part Low Rise Urethane Foam adhesive per code approval.

REFERENCES

A. Factory Mutual (FM Global) - *Approval Guide*

B. Underwriters Laboratories (UL) - *Roofing Systems and Materials Guide* (TGFU R1306)

C. American Society for Testing and Materials (ASTM) - *Annual Book of ASTM Standards*

D. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA) - *Architectural Sheet Metal Manual*

E. National Roofing Contractors Association (NRCA)

DEFINITIONS

A. Roofing Terminology: Refer to ASTM D1079 and the glossary of the National Roofing Contractors Association (NRCA) *Roofing and Waterproofing Manual* for definitions of roofing terms related to this section.

PERFORMANCE REQUIREMENTS

A. Provide an installed roofing membrane and base flashing system that does not permit the passage of water, and will withstand the design pressures calculated in accordance with the most current revision of ASCE 7.

B. Contractor shall provide all primary roofing materials that are physically and chemically compatible when installed in accordance with manufacturers current application requirements.

SUBMITTALS

- A. Product Data: Provide product data sheets for each type of product indicated in this section.
- B. Shop Drawings: Provide manufacturers standard details and approved shop drawings for the roof system specified.
- C. Samples: Provide samples of insulation(s), fasteners and roll goods for verification of quality.
- D. Certificates: Installer shall provide written documentation from the manufacturer of their authorization to install the roof system, and eligibility to obtain the warranty specified in this section.

QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer shall provide a roofing system that meets or exceeds all criteria listed in this section.
- B. Installer's Qualifications:
 - 1. Installer shall be an approved contractor as defined and certified by the manufacturer.
- C. Source Limitations: All components listed in this section shall be provided by a single manufacturer or approved by the primary roofing manufacturer.
- D. Final Inspection

Manufacturer's representative shall provide a comprehensive final inspection after completion of the roof system. All application errors must be addressed and final punch list completed.

PRE-INSTALLATION CONFERENCE

- A. Prior to scheduled commencement of the roofing installation and associated work, conduct a meeting at the project site with the installer, owner, Manufacturer's representative and any other persons directly involved with the performance of the work. The installer shall record conference discussions to include decisions and agreements reached (or disagreements), and furnish copies of recorded discussions to each attending party. The main purpose of this meeting is to review foreseeable methods and procedures related to roofing work.

REGULATORY REQUIREMENTS

- A. All work shall be performed in a safe, professional manner, conforming to all federal, state and local codes.
- B. Contractor must provide the Florida Product Approval Number(s) for the proposed system(s).

This product approval number shall include the product evaluation report for each proposed assembly including: roofing material specifications, defined substrate, anchoring requirements, design uplift pressures, and wind loads

DELIVERY, STORAGE AND HANDLING

- A. Deliver all roofing materials to the site in original containers, with factory seals intact.
- B. Store all pail goods in their original undamaged containers in a clean, dry location within their specified temperature range.
- C. Remove manufacturer supplied plastic covers from materials provided with such. Use “breathable” type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Cover and protect materials at the end of each work day. Do not remove any protective tarpaulins until immediately before the material is to be installed.

PROJECT CONDITIONS

A. Weather

- 1. Proceed with roofing only when existing and forecasted weather conditions permit.

WARRANTY

- A. Provide Manufacturer’s standard Guarantee with single source coverage and no monetary limitation, where the manufacturer agrees to repair or replace components in the roofing system, which cause a leak due to a failure in materials or workmanship.

Duration: Twenty (20) years from the date of completion.

PART 2 PRODUCTS

ACCEPTABLE MANUFACTURERS

- A. GAF® - 1361 Alps Road, Wayne, NJ 07470
- B. Johns Manville – PO Box 5108 Denver CO, 80217-5108
- C. Carlisle Syntec - 1285 Ritner Highway, Carlisle, PA 17013
- D. Request for substitutions shall be submitted during the question and answer period listed in the Timeline.

2.03 MEMBRANE MATERIALS

- A. A fleece-backed, polyester scrim reinforced thermoplastic polyolefin membrane with a nominal 0.115 inch (115 mil) thickness, for use as a single ply roofing membrane. Meets or exceeds the minimum requirements of ASTM D-6878.

- B. Color: Standard white.

FLASHING MATERIALS

- A smooth type, polyester scrim reinforced thermoplastic polyolefin membrane with a nominal 0.060 inch (60 mil) thickness, for use as a single ply roofing membrane

ADHESIVES

A. 2 Part Urethane Low Rise Foam Adhesive, as recommended by material manufacturer.

3.09 SHEET METAL

A. Fabricate and install all sheet metal materials as shown in applicable construction details. Refer to SMACNA (Sheet Metal and Air Conditioning Contractors National Association, Inc.) for guidance on sheet metal treatments not addressed in this specification.

B. Metal counter-flashing shall have a minimum 4" face with a drip lip. The bottom edge of the counterflashing shall cover the roofing membrane and/or base flashing by a minimum of 4" (10.2 cm). Metal counter flashing used for masonry walls, wooden walls, or through wall metal flashings should be a two piece design to allow for installation and later removal. Metal counter-flashings for stucco, EIFS, wood siding or similar materials should be designed appropriately, such as "Z" type flashing. End joints shall be lapped 3" (7.6 cm) or more. Adequate fasteners must be provided to secure against wind forces. Skirt fasteners shall be watertight.

C. Metal flanges for gravel stops, eave strips, and pitch pockets to be used in conjunction with roofing shall be installed per manufacturer's recommendations. Flanges shall be a minimum of 3 1/2" wide for gravel stops or eave strips and 4" wide for projections and extensions through the roof. In all cases, gravel stop and eave strip nailer should be fastened to the deck or deck system with adequate resistance against wind forces.

ROOF PROTECTION

A. Protect all partially and fully completed roofing work from other trades until completion.

B. Whenever possible, stage materials in such a manner that foot traffic is minimized over completed roof areas.

C. When it is not possible to stage materials away from locations where partial or complete installation has taken place, temporary walkways and platforms shall be installed in order to protect all completed roof areas from traffic and point loading during the application process.

D. Temporary tie-ins shall be installed at the end of each workday and removed prior to commencement of work the following day.

CLEAN-UP

A. All work areas are to be kept clean, clear and free of debris at all times.

B. Do not allow trash, waste, or debris to collect on the roof. These items shall be removed from the roof on a daily basis.

C. All tools and unused materials must be collected at the end of each workday and stored properly off of the finished roof surface and protected from exposure to the elements.

D. Dispose of or recycle all trash and excess material in a manner conforming to current EPA regulations and local laws.

E. Properly clean the finished roof surface after completion, and make sure the drains and gutters are not clogged.

F. Clean and restore all damaged surfaces to their original condition.

END OF FINAL ADDENDUM dated 19 February 2015