

Aviation
Maintenance Department
 4200 NW 22 Street, Bldg 3030
 Miami, FL 33159



MIAMI-DADE COUNTY, FLORIDA
REQUEST FOR PRICE QUOTATION (RPQ)
 Contract No: MCC 7040 Plan - CICC 7040-0/07
 RPQ No: X136A

This RPQ is issued under the terms and conditions of the MCC 7040 Plan .

Date Issued: 9/22/2020 Bid Date Due: 10/22/2020 Time Due: 02:00 PM

Bid shall be Submitted Via: Sealed Envelope to:

Name: James P. Ferreira Email: JFerreira@miami-airport.com

Address: MIA Bldg. 3030; 2nd Floor; 4331 NW 22 St. Miami, FL. 33122 Fax: 305-869-4782

RPQ Added: 9/1/2020 User Bidder Request: 9/14/2020 Bond Adm./OMB Approval: 9/15/2020 Bidders Added: 9/15/2020

Project Number: X136A Estimated Value: \$2,660,358.00 SBE-Con. Level: SBE-Con. Level 2
 (excluding contingencies and dedicated allowances)

Project Name: MIA South Terminal Cc H Reroofing Emergency: N

Project Location: MIA South Terminal Cc H ESP:

<u>SITE #</u>	<u>LOCATION 1</u>	<u>DIST</u>	<u>ESTIMATE</u>	<u>T-S-R</u>
#3000091	MIA INT	30	\$2,660,358.00	--

Department Contact: James P. Ferreira Phone No: 305-876-7322 Fax No: 305-869-4782

Project Manager: David Marfisi Phone No: 305-876-7139 Fax No:

Document Pickup: Contact: James P. Ferreira Phone: 305-876-7322 Date: 10/6/2020

Document Pickup: Location: After the Pre-bid meeting

	<u>Mandatory:</u>	<u>Date:</u>	<u>Time:</u>	<u>Location:</u>
PreBid Meeting: <u>Y</u>	<u>Y</u>	<u>10/6/2020</u>	<u>10:00 AM</u>	<u>Conference Call (see info below)</u>
Site Meeting: <u>Y</u>	<u>Y</u>	<u>10/8/2020</u>	<u>10:00 AM</u>	<u>Meet at MIA Bldg. 3030, 2nd Floor Conference Room #1 (Wing C)</u>

Type of Contract: Multiple Trade Method of Award: Lowest Responsible Bidder

Performance/Payment Bond Required: Y Bid Bond Required: Y Insurance Required: Y

Addition Insurance Required: Y Addition Insurance Amount: \$5,000,000.00

Federally Funded: N GOB Funded: N Does the funding source allow UAP? Yes No

CIIP Funded: Funded or reimbursed by LAP Agreements with FDOT: N

AIPP: N \$0.00

Comm Dist: District 6 Davis Bacon: N

Prevailing Wage Rate Requirements: Building Construction SBD Certificate of Assurance Form Required Y

SBE-Con. Requirements: Y 100.00% Trade Set-a-side: N

SBE-S Requirements: N 0.00% SBE-G Requirements: N 0.00%

DBE Requirements: N 0.00% DBE Subcontract Forms Required: N

CWP Requirements: Y 10.00%

SBD Dates: Received: 12/3/2020 SOI Date: 12/3/2020 Compliance: Y Memo Date: 12/2/2020

Type:	License:	Count:	Work%:	Add Bidders
<u>Primary</u>	<u>General Building Contractor</u>	<u>999</u>		
<u>Primary</u>	<u>Building Contractor</u>	<u>999</u>	<u>0%</u>	<u>Y</u>

<u>Sub</u>	<u>Plumber, Master</u>	<u>1</u>	<u>0%</u>	<u>Y</u>
<u>Sub</u>	<u>Air Conditioning Unlimited</u>	<u>1</u>	<u>0%</u>	<u>Y</u>
<u>Sub</u>	<u>General Mechanical, Master</u>	<u>1</u>	<u>0%</u>	<u>Y</u>
<u>Sub</u>	<u>Roofing Contractor</u>	<u>1</u>	<u>0%</u>	<u>Y</u>
<u>Sub</u>	<u>Electrical Contractor</u>	<u>1</u>	<u>0%</u>	<u>Y</u>

Anticipated Start Date: 1/25/2021

Calendar Days for Project Completion: 180

Liquidated Damages / \$\$ Per day: Y \$300.00

Method of Payment: Scheduled Monthly Payments

CAPITAL BUDGET PROJECT # - DESCRIPTION

MCC ESTIMATE

2000000068- MIAMI INTERNATIONAL AIRPORT (MIA) - RESERVE MAINTENANCE SUBPROGRAM \$2,660,358.00

FUNDING SOURCE:

<u>SOURCE</u>	<u>PROJECT NUM</u>	<u>SITE #</u>	<u>MCC ESTIMATE</u>
Reserve Maintenance Fund	<u>2000000068</u>	<u>#3000091</u>	<u>\$2,660,358.00</u>

Awarded To: CONSTRUCTION SERVICES INTERNATIONAL CORP. DBA CSI CONSTRUCTION **SBE-Con. Exp Date:** **Paid Amt:** \$0.00

Collusion Affidavit Received: Y **Date Collusion Affidavit Received:** 11/13/2020

Date Dept Awarded: 12/3/2020 **Date Award Letter:** 12/3/2020 **PO Approval Date:** 1/15/2021

Base Amt: \$2,688,000.00 **Cont Amt:** \$268,800.00 **Ded Amt:** \$70,000.00 **Award Amt:** \$3,026,800.00

Insurance: ISD Reviewed: N **Date Approved:** 1/14/2021 **GL Ins Exp Dt:** 8/9/2021

P & P Bond: **Risk Approved:** **Date Approved:** 1/10/2021 **WC Ins Exp Dt:** 4/17/2021

AL Ins Exp Dt: 7/25/2021

Scope of Work: (Contractor must obtain and submit all permits prior to performing any work.)

Scope of Work shall include, but not be limited to: Provide all labor, equipment and materials required to address ongoing water intrusion issues comprising of the General Construction of the roofing and the installation of new associated work at the mechanical equipment rooftop of Concourse H of the South Terminal:

- Remove the existing single ply roofing system up to the existing concrete deck
- Remove all flashing around existing equipment curbs and roof structures
- Remove flashing around piping penetrations
- Replace the roofing system with new three ply SBS system and the flashing of all equipment curbs and piping penetrations
- Encapsulate the existing metal panels on the parapet wall along the perimeter surrounding the areas of the roof and adjacent to existing higher roof, with new 1" Flush Aluminum Interlocking Wall Panels, and with Snap Metal Roof Panel on the top of the parapet wall
- Remove the existing Lightning Protection cables
- Recertification of the Lightning Protection system

CONTRACTOR shall review all documents, specifications, and scope of work provided by Miami-Dade Aviation Department (MDAD) for work to be completed. Please refer to the Plans & Technical Specifications for further description of the scope of work. All work must comply with Resolution No. R-54-18, Cool Roofs.

Contractors must agree to perform all work in accordance with the scopes of work established by MDAD, the MCC 7040 contract's terms and conditions, all required permits and inspections and all applicable federal, state and local laws, codes and regulations. Any minor variation in the scope of work that is necessary to complete the intended work shall be considered incidental and will not warrant additional compensation. Any major variation encountered in the scope of work that is necessary to complete the intended work will be additional work and will be compensated through a contingency allowance account, dedicated allowance account, or change order. However such major variation shall be completed without delay. Contractor shall use an adequate number of qualified workers who are thoroughly trained in the techniques required to properly complete the work specified. Contractor will own or have access to the equipment necessary and to meet all safety, insurance, and technical requirements of the owner and local, county, state, and federal regulating authorities. The grand total bid price shall be reflected on the RPQ Bid Form – Attachment 5A.

LICENSE:

Note: Pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, selected Contractors must possess a valid,

current, and active State of Florida and/or Miami-Dade County contractor's license issued by the County's Construction Trades Qualifying Board and which is consistent with the requirements of their respective trade and the scope of work.

RESPONSIBLE WAGES:

Prospective bidders are notified that Responsible Wages and Benefits requirements apply to this Request for Price Quotation (RPQ), therefore all labor rates shall not be less than those contained in the Wage and Benefits Schedule in effect as of January 1st of the year the work is performed. Prospective bidders are responsible for taking into consideration all applicable Ordinances and/or Regulations in force at the time of the bid, such as Responsible Wages, that may affect unit prices.

BID BOND AND PERFORMANCE & PAYMENT BOND:

Prospective bidders shall submit a Bid Bond at the time of Bid submission. Bidders may use the Surety Company standard bid bond. Alternatively, a certified or cashier's check will be acceptable in lieu of the bid bond.

The Performance & Payment (P&P) bond must be submitted, using the contract specified form, within ten (10) working days from receipt of the Recommendation for Award (RFA) or time extension approved by the MDAD project manager. The P&P bond shall be required for the full contract amount. P&P Bond shall be submitted once the low "responsive and responsible" bidder is determined and the Recommendation for Award is issued.

MDAD ENVIRONMENTAL POLICY:

Compliance with the Aviation Department (MDAD)'s Environmental Policy, ISO 14000 certification and Commissioning requirements will be strictly enforced by the MDAD PM. These requirements will be discussed during the mandatory pre- bid meeting. The awarded bidder shall comply with all requirements listed on the project plans, specifications and/or distributed separately following the mandatory pre-bid meeting.

SAFETY:

The awarded contractor is responsible for the safety and security of the job site. Any vandalism, theft, etc. which occurs during the construction time is the responsibility of the contractor. No monetary compensation shall be granted if any of the above occurs. If Contractor opts to hire an independent Security Company, such company is to be properly bonded and insured. Contractors shall provide an established safety program and implementation policy. Contractors' safety programs shall be reviewed and approved by MDAD post-bid submittal and work orders shall not be issued to any contractor until their safety program is approved by MDAD.

LIQUIDATED DAMAGES:

If the awarded contractor shall neglect, fail, or refuse to complete the work within the time specified for Substantial Completion in the Notice to Proceed (NTP), then the contractor hereby agrees, as part of the consideration for the awarding of this Contract, to pay to the Owner, as liquidated damages and not as a penalty, the sum of \$300.00 per day for each calendar day beyond the dates set forth in the NTP and/or Work Order(s). The said amount is fixed and agreed on by and between the Contractor and the Owner because of the impracticability and extreme difficulty of ascertaining the true value of the damages which the Owner will sustain by failure of the Contractor to complete the Work on time, such as loss of revenue, service charges, interest charges, delays caused to other construction activities of Owner by failure to perform this Contract, and other damages, some of which are indefinite and not susceptible of easy proof. Said amount is agreed to be a reasonable estimate of the amount of damages which the Owner will sustain and said amount shall be deducted from any monies due or that may become due to the contractor, and if said monies are insufficient to cover said damages, then the Contractor shall pay the amount of the difference. Substantial completion does not relieve the contractor of completing the project in its entirety, nor does it obligate the owner to pay the entire contract price. Final acceptance is achieved when a Certificate of Completion (i.e., if required), acceptable warranties, final payrolls, final releases or acceptable Consent of Surety and documentation required in the contract documents has been submitted for approval to the MDAD project manager.

SECURITY REQUIREMENTS:

Valid MDAD identification (ID) badges with a U.S. Customs Seal will be required as well as vehicle decals to enter airside. The selected contractor and their employees must comply with all MDAD security requirements including background checks, security badges, specialized aviation-related insurance requirements, etc. MDAD may, at its sole discretion, consider making these security-related expenses reimbursable.

Upon the award, the awarded contractor will have up to sixty (60) calendar days to provide a copy of the security badges with the Customs Seal to MDAD/MPEC Division. If the Contractor fails to secure and provide a copy of the required Badges with the Customs Seal after thirty (30) calendar days following the issuance of the NTP, Contractor may be terminated for default as established in Section 1 of the General Terms and Conditions, Article 1.20 (Termination for Default) of the MCC 7040 contract.

UTILITY CLEARANCES & SHUTDOWNS:

The awarded contractor shall be responsible for obtaining all utility clearances and coordinating all utility shutdowns at least 14 working days before initiating any work. Damage to existing equipment, utilities, MDAD or its business partners' property, etc. will be repaired and/or replaced at the contractor's expense. MDAD forms and procedures to obtain utility clearances and/or coordinate

shutdowns will be distributed following the mandatory pre-bid meeting.

REQUEST FOR INFORMATION:

All requests for information (RFIs) shall comply with the Cone of Silence, Administrative Order 3-27 and shall be directed in writing to the MDAD project manager with a copy to the Clerk of the Board (clerkbcc@miamidade.gov). The deadline to submit RFIs is no later than five (5) working days before the bid opening date and time specified on the RPQ and Invitation to Bid. MDAD will issue all changes and/or clarifications to the RPQ in writing via an Addendum. Verbal statements made by the County or the Owner's Representative that are not contained in the RPQ or Addendum are not binding on the County and do not form any basis for a bidder's response to a RPQ.

MINIMUM QUALIFICATIONS AND EXPERIENCE:

The selected SBE-Construction contractor must possess:

1. Contractors must be certified SBE-Construction and registered to participate in the MCC 7040 Plan with ISD's Procurement Management Division;
2. Contractors must hold a valid license required to perform work in the following trade: General Contractor License.
3. Contractors must have a minimum of 5 years' experience performing work in their specific trade. In the event a new firm is established by executives, supervisors and other senior field staff (key employees) that would have met these minimum experience requirements with a prior firm, MDAD reserves the right to qualify the new firm, based on MDAD's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm.
4. Contractors must be able to demonstrate that their firm or its key employees, as described above, have experience performing their respective trade within the company's noted history. Specifically contractors must submit proof that their respective firms have been regularly and successfully engaged in work related to their specific trade for a minimum of one (1) year. These requirements shall be based on projects completed prior to the submission date. Contact information for projects and/or firms submitted as proof of experience shall be provided by prospective contractors as part of their bid package. MDAD will confirm the listed experience by calling the firms' owners or representatives. Should such evidence not be satisfactory to MDAD, whose decision shall be final, the submission will be considered non-responsive. The qualifying proof with names and phone numbers shall be submitted in a sealed envelope at the time of bid.
5. Contractors must have a minimum average total score of 3.0 in their Contractor Performance Evaluations in ISD's Capital Improvements Information System (CIIS). In the event a new firm has been created that does not have evaluations in the CIIS, the firm that previously employed the key employees of the new firm must have had a minimum average total score of 3.0 in the CIIS Contractor Performance Evaluation Module or the new firm must provide, to MDAD's satisfaction, documentation that the new firm has performed satisfactorily on similar projects within their respective trade. Further, any incidence of project delays in a contractor performance evaluation must be justified to the satisfaction of MDAD.

INDEMNIFICATION & INSURANCE:

Contractor is required to have proper insurance to cover ongoing work on the job site. The Contractor shall furnish certificates of insurance and insurance policies to the Owner prior to commencing any operations under this Contract. Certificates and policies shall clearly indicate that the Contractor has obtained insurance, as required for strict compliance with this specification. Compliance with the foregoing requirements shall not relieve the Contractor from liability under any other portion of this Contract. The Contractor shall be responsible for assuring that the insurance certificates required in conjunction with this section remain in force for the duration of the agreement. See attached for indemnification and insurance requirements.

CERTIFICATE OF ASSURANCE:

Bidders must submit a completed Certificate of Assurance (COA) along with the Bid Submittal Package identifying the Small Business Enterprise (SBE) measure. By submitting a completed COA the bidder acknowledges the Small Business Enterprise (SBE) measures applied to the project and agrees to submit, upon notification by SBD or the Miami-Dade County Business Management Workforce System (BMWS), a Utilization Plan via BMWS listing all certified SBE contractor(s) to be utilized to satisfy the measures on the Project, indicating the percentage of work and the description of the work to be performed (pursuant to the firm's certification), within the specified time frame, before the Utilization Plan may be submitted to SBD for approval. Bidders can confirm a SBE-CON certification via BMWS at <http://mdcsbd.gob2g.com/>.

Place the completed COA(s) on top of the bid package so that it can be readily identified by the Department during the bid opening.

MANDATORY PRE-BID MEETING & SITE VISIT:

Since a conference call does not require a physical presence, social distancing practices for COVID-19 are being adhered to. Bidders are still required/responsible for participating in the MANDATORY conference call. Failure to participate in the MANDATORY conference call shall result in the corresponding contractor/company being considered non-responsive. Contractors are extremely encouraged to call 5 minutes before the scheduled meeting time for a roll call. Late arrivals to the conference call shall result in the contractor/company being considered non-responsive.

The conference call will be recorded.

The dial-in instructions for the conference call are described below:

- Dial in: 305-876-8333
- Meeting ID: 5762555
- Passcode/Pin: 5869

The agenda for the pre-bid conference call meeting will be sent to you via email to be used during the meeting. Make sure you receive it, if not, please check your junk email or contact our office.

Bidders are responsible for attending the mandatory pre-bid meeting conference call and site visit.

BID BOX:

The bid box is located in the hallway between Conference Rooms B-205 and B-209 in MIA Bldg. 3030, B-Wing, 2nd Floor. If the time clock adjacent to the bid box is unable to stamp the bid envelope due to its thickness, please see Ms. Silvia Perez, Mr. James P. Ferreira or any MDAD representative at MIA Building 3030 to have bid envelopes signed, dated and timed prior to dropping them in the box.

BID SUBMITTAL:

All potential bidders are hereby notified that bids for this project must reflect a lump sum amount. The lump sum amount shall be indicated on the MCC-7040 Attachment 5A Bid Form. All quantities provided with the bid documents are estimated quantities based on the project scope of work. It is the bidder's responsibility to confirm any and all estimated quantities or amounts reflected on the bid documents to generate a "responsive and responsible" bid. Errors, omissions and/or discrepancies in quantities shall be brought-up to the attention of the MDAD team via the request for information (RFI) process during the bidding phase. Failure to confirm estimated quantities shall not constitute grounds for subsequent change orders. The lump sum bid amount shall be all inclusive to complete the work scope reflected on the construction bid documents. Bidders are responsible for all costs related to permitting, preparation of required shop drawings, special inspections, preparation of as-built drawings, close-out documentation and/or any engineering certificates required.

Contingency Allowance Account: for unforeseen conditions, construction changes, for additional work or materials not covered by other proposal items and for quantity adjustments, if ordered by the MDAD PM.

This account item is for all labor, materials, equipment and service necessary for modification or extra work required to complete the Project because of unforeseeable conditions, unforeseeable conflicts between existing elements of work and the proposed work; for minor changes required to resolve any unforeseeable conditions, Revised Regulations, Technological and Products Development, Operational Changes, Schedule Requirements, Program Interface, Emergencies and other miscellaneous costs; all if ordered by the MDAD PM. The Contingency Allowance Account is ten percent of the lump sum amount submitted in the RPQ Bid Form - Attachment 5A.

Payment to the CONTRACTOR under this item will only be made for work ordered in writing by the MDAD. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Dedicated Allowance Account: for other unforeseen conditions (permitting, plan revisions, existing utility relocations, utility company service fees), construction changes and for quantity adjustments. The Dedicated Allowance Account is fixed at \$70,000.00. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Bid Documents shall be distributed following the MANDATORY Pre-Bid Meeting (see date and time above). Potential bidders are hereby notified that some of the documents that will be distributed following the mandatory pre-bid meeting possibly contain sensitive security information (SSI). Accordingly, please comply with the standards for access, dissemination, handling & safeguarding of SSI in accordance with 49 CFR Part 1520, any applicable amendments and/or supplementary guidance(s) issued by the Department of Homeland Security. Bid Documents must be submitted in a sealed envelope. The bidder's name, address, the project name and the RPQ number must be indicated on the outside of the envelope. The sealed envelope shall include, at a minimum, the following documents:

1. Bid price using Bid Form - Attachment 5A.
2. Bid guarantee in the form of a bid bond, certified check, or cashier's check. Failure to include a bid bond/ guarantee shall render the bid non-responsive.
3. Fully executed Fair Wage and Collusion Affidavit.
4. Any and all applicable Addenda documents (fully executed and dated) issued during the bidding phase.
5. Internal Services Department (ISD) Division of Small Business Development's (SBD) Certificate of Assurance (COA) Form.

All potential bidders are hereby notified that failure to submit the completed Bid Form – Attachment 5A reflecting the bid amount and

bidder information, COA, and/or the bid bond/guarantee will not constitute a curable deficiency and shall render the bid "non-responsive." Failure to include the Fair Wage and/or Collusion affidavits, Addendum or other similar forms due with the bid shall be considered curable deficiencies. Bidders will be allowed to cure these deficiencies within deadlines established by MDAD staff.

Recommendation for Award is contingent to availability of proper funding.

SCHEDULE OF VALUES:

During the due diligence evaluation of bids MDAD may request bidders to submit a detailed and itemized schedule of values (SOV) before the award process is completed for review and acceptance by the MDAD team. Schedule of value should show the complete breakdown of labor, material and equipment for all categories of the work to be performed by building. Work scope deductions and associated costs, if needed, will be based on the accepted SOV. The Owner may require further breakdown and additional line items following review of the CONTRACTORS' submittal and/or at any time throughout the duration of the project.

CONSTRUCTION PROGRESS SCHEDULE:

The contractor, within seven days of the Recommendation for Award or time extension granted by the MDAD PM, shall submit a "Construction Progress Schedule" and the final "Schedule of Values" as follows:

The Construction Progress Schedule shall be in a bar chart format with separate bars for each trade, activity and operation on each building, structure and improvement. Include all trades required for completion of project in activities of schedule. Identify the first workday of each week. Provide electronic copy of schedule or submit via E-mail to the MDAD PM. Updated schedules shall be provided with each application for payment. Updated schedules must reflect all changes since previous submittal. Failure to submit updated schedule may be cause for withholding payment to contractor. Activities detailed within construction schedule shall correlate with all items listed within Schedules of Values. OWNER will review and return schedule (approved or rejected) to Contractor. Construction may not begin until OWNER has reviewed and approved in writing of Contractor proposed schedule.

DAILY LOG:

CONTRACTOR shall maintain a daily log (report) of activity at job-site. Reports will be submitted to the MDAD project manager upon request. Daily reports shall be submitted to the Construction Supervisor at the stipulated progress meeting(s). FAILURE TO SUBMIT DAILY REPORTS AS STIPULATED ABOVE MAY RESULT IN PAYMENT DELAYS.

Contractor will be responsible for all his work until accepted by the MDAD. Any damage to any newly completed or in progress work will be the sole responsibility of the contractor to fix at no additional cost to the owner. No time extension will be granted for any delays related to such damages. All existing finishes and areas disturbed by CONTRACTOR will be repaired and or replaced to original condition as directed by OWNER.

PROGRESS MEETINGS:

The MDAD project manager will schedule and host progress meetings throughout the duration of the project. The contractor shall attend each meeting with major subcontractors, contractor's project manager, and job superintendent and supplier representatives. Attendants noted above shall cooperate with the MDAD PM to ensure that meetings are held on a timely manner. One of the progress meetings may be designated as a monthly payment requisition review meeting.

PERMITS:

CONTRACTOR is responsible for obtaining all applicable permits and paying all related fees needed to begin and complete all phases of work within the plans. It shall be the contractor's responsibility to ensure that all required regulatory or proprietary permits are obtained prior to commencement of work. Copies of all permits shall be submitted to MDAD PM prior to commencing work. CONTRACTOR is responsible for obtaining all permits and inspections required to complete project. The CONTRACTOR, prior to final requisition for payment, shall obtain and submit a Certificate of Completion and/or Certificate of Occupancy (i.e., if applicable) to the MDAD PM.

CONTRACTOR shall provide all construction administration services and related costs required for all permits and preparation of all required shop drawings, review, field inspections, as-built, change order review, and close out documents, engineering certificates as required

SHOP DRAWINGS AND SAMPLES:

The contractor shall submit two (2) copies of all Shop Drawings, catalog cut-sheets and samples (submittals) required. Samples (as applicable) shall provide full range of manufacturer's standard colors, textures, and patterns for selection. All color and finish selections must be submitted by the contractor in a single submittal, properly labeled and identified.

The contractor shall maintain a set of construction drawings on site reflecting all changes, revisions, approved RFIs and/or directives applicable to the changes/modifications. All changes, revisions and/or modifications shall be clearly marked in red on the said drawings before requesting pencil draft walkthrough inspections for processing of payment requisitions. The marked set of drawings shall be readily available at the project site upon request by the MDAD project manager and/or its authorized representative(s).

AS-BUILTS:

CONTRACTOR shall provide THREE (3) HARD COPIES and/or THREE (3) CAD COPIES on CD of SIGNED and SEALED as-built drawings at completion of work. Use the latest version of CAD compiled format. X-REF files are not acceptable. Final requisition for payment will not be processed without submittal and acceptance of as-built drawings. CONTRACTOR shall maintain updated Red line as-built at the jobsite for review as part of the Monthly Requisition review meeting. All projects must have an As-Built completed, received, reviewed and approved by the Miami-Dade Aviation Department prior to authorizing final payment to the consultant or contractor. As-Built shall be Signed and Sealed by a Professional Land Surveyor or Professional Engineer.

Design Drawings Included: Y

Shop Drawings Included: N

Specifications Included: Y

Project Qualifier: Ana Finol, P.E.

Phone No: 305-876-8310

EMAIL: AFinol@miami-airport.com

Comments:

EMPLOY MIAMI-DADE PROGRAM

In accordance with Section 5.02 of the Miami-Dade County Home Rule Amendment and Charter, Section 2-8.1 of the Code of Miami-Dade County, and Administrative Order No. 3-63, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of one million dollars (\$1,000,000) for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of one million dollars (\$1,000,000) for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land. The awarded Contractor is hereby notified that the County will consider whether the Contractor made its best reasonable efforts to promote Employ Miami-Dade on this contract, as defined in A.O. 3-63, as part of the County's evaluation and responsibility review of the Contractor for new County contract awards.

RESIDENTS FIRST TRAINING AND EMPLOYMENT PROGRAM

In accordance with Section 2-11.17 of the Code of Miami-Dade County and Implementing Order No. 3-61, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of \$1 million for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of \$1 million for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land shall comply with the following: (i) prior to working on the project, all persons employed by the contractor or subcontractor on the project to perform construction have completed the OSHA 10-hour safety training course, and (ii) the contractor will make its best reasonable efforts to have 51% of all construction labor hours performed by Miami-Dade County residents.

In accordance with Miami-Dade County Implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

Pursuant to Section 2-8.10 of the Code of Miami-Dade County, this Contract is subject to a user access fee under the County's User Access Program (UAP) in the amount of two percent (2%). All construction services provided under this contract are subject to the 2% UAP. This fee applies to all Contract usage whether by County Departments or by any other governmental, quasi-governmental or not-for-profit entity. From every payment made to the Contractor under this contract (including the payment of retainage), the County will deduct the two percent (2%) UAP fee provided in the ordinance and the Contractor will accept such reduced amount as full compensation for any and all deliverables under the contract. The County shall retain the 2% UAP for use by the County to help defray the cost of its procurement program. Contractor participation in this pay request reduction portion of the UAP is mandatory.

Provided, however, UAP shall not be applicable for total contract values, inclusive of contingency and allowance accounts, of less than five hundred thousand dollars (\$500,000.00).

All Projects, where the prices received are in excess of \$200,000 will require the submission of the Payment and Performance Bond as required by State of Florida Statute.

COMMUNITY WORKFORCE PROGRAM

Prior to entering into a contract and according to the Miami-Dade County Code §2-1701 and amended by Ordinance 13-66, the successful bidder on a construction contract subject to a Community Workforce Program (CWP) goal, must submit to Small Business Development (SBD) through the contracting officer a workforce plan outlining how the CWP goal will be met. Additional information is available at the County's website at <http://www.miamidade.gov/business/contract-requirements.asp#0>.

Contractor must submit a Workforce Plan to the Miami-Dade County Internal Services Department, Small Business Development Division within fifteen (15) days of notification of award of the contract. The County will not enter into the contract until it receives the contractor's Workforce Plan and deems the Plan acceptable. The Workforce Plan forms may be obtained on the County's website at



RPQ ADDENDUM

Addendum No.:	1	Date:	10/16/2020
Project No.:	X136A	Project Title:	MIA South Terminal Cc H Reroofing
RPQ No.:	X136A	RPQ Due Date:	10/22/2020
Project Location:	MIA South Terminal Cc H	Project Manager:	D. Marfisi

- In Specs, replace Section 07536 with the attached “Revised Specs for Addendum #1” Section 07536. Item 2.4, D: “Venting Base Sheet” was removed and “GAF” was removed from the listed Cap Sheet Manufacturers.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Mike Dusseault of Florida Building and Supply, Inc., received on 10/14/2020, 8:27AM.

Q.1 Plan page A-01, Scope of Work Summary, 1.1 partially states “Where the new metal panel on the parapet wall's base flashing merges with existing single ply roof to remain, merge new flashing with existing roof, using material and personnel, such that the warranty on the existing roofing to remain is maintained”. What manufacturer is this warranty under?

A.1 The manufacturer of the existing roof is **Fibertite**.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____

SECTION 07536

MODIFIED BITUMEN ROOFING – TORCHED APPLICATION

PART 1 GENERAL

1.1 SYSTEM DESCRIPTION

- A. The roof system selection for the basis of design is dependent on having the proper documented approvals for the project design criteria defined within the project documents. The Miami-Dade Notice of Acceptance (excerpts) for each of the manufacturers known to have systems in compliance with the project requirements follow this specification section for the bidder's reference.
 - 1. No substitutions of other roof systems from these or any other manufacturer will be considered without submission of the appropriate approval documents for the Florida Building Code requirements.

- B. The basis of design, and what is shown within the project details is a torch applied three-ply SBS modified bitumen roof system over an appropriate rigid insulation system adhered to the recently installed preliminary roof system as follows:
 - 1. Install insulation system as appropriate for deck conditions as noted below.
 - a. Level structural concrete roof deck: 1/2 inch thick fiberglass reinforced gypsum roof board adhered over 1/4" per foot tapered rigid polyisocyanurate insulation board, adhered to a preliminary roof membrane adhered to the primed concrete structural deck.
 - 2. SBS Modified Bitumen Multi-ply Finished Roofing System: SBS modified bitumen, granule surfaced cap sheet membrane, with top coating for Cool Roof, torch-applied over two (2) SBS modified bitumen, smooth surfaced interply membrane, torch-applied over the rigid insulation system.
 - 3. Our research has shown the appropriate approvals for these systems are available from Firestone, Johns Manville, Soprema, and XtraFlex,

1.2 SECTION INCLUDES

- A. Material and application methods for the SBS modified roof and rigid insulation system described above.
- B. Roof system also includes the torch applied base flashings, cant strips and stainless steel counter flashings.

1.3 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Wood Nailers.
- B. Section 07565 - Preparation for Re-Roofing.
- C. Section 07620 - Sheet Metal Flashing and Trim:

1.4 REFERENCES

- A. ASTM C 177 - Test Method for Steady-State Thermal Transmission Properties by Means of the Guarded Hot Plate.
- B. ASTM C 630 - Water-Resistant Gypsum Backing Board.
- C. ASTM C 728 - Perlite Thermal Insulation Board.
- D. ASTM C 1002 - Steel Drill Screws for the Application of Gypsum Board.
- E. ASTM C 1177 - Glass Mat Gypsum Substrate for Use as Sheathing.
- F. ASTM C 1289 - Polyisocyanurate Board Insulation.
- G. ASTM D 41 - Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing.
- H. ASTM D312 - Asphalt Used in Roofing.
- I. ASTM D 41 - Asphalt Primer Used in Roofing, Damp proofing, and Waterproofing.
- J. ASTM D 2178 - Asphalt Impregnated Glass (Felt) Mat Used in Roofing and Waterproofing.
- K. ASTM D 3617 – Sampling and Analysis of New Built-Up Roof Membranes.
- L. ASTM D 4586 - Asphalt Roofing Cement.
- M. ASTM D 4601 - Asphalt Coated Glass-Fiber Base Sheet Used in Roofing.
- N. ASTM D 4897 - Asphalt Coated Glass-Fiber Venting Base Sheet Used in Roofing.
- O. ASTM D 5147 - Std. Test Methods for Sampling & Testing Modified Bitumen Sheets.
- P. ASTM D 6164 - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bitumen Sheet Materials Using Polyester Reinforcements.
- Q. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
- R. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings
- S. CGSB-37-GP-50 - Roof Membrane Physical Property Testing.
- T. FM 1-52 – Field Uplift Tests
- U. FM 4470 - Base ply fasteners to meet Factory Mutual Research Approval Standard #4470
- V. FM - AClass A@ - Roof Assembly Classifications.
- W. NRCA (National Roofing Contractors Association) - Roofing and Waterproofing Manual.
- X. ULI - AClass A@ - Fire Hazard Classifications.

- Y. FS HH-I-1972/Gen, FS HH-I-1972/3 - Polyisocyanurate Insulation Board.
- Z. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
- AA. NFPA 255 - Test of Surface Burning Characteristics of Building Materials.
- BB. UL 723 - Tests for Surface Burning Characteristics of Building Materials.

1.5 SUBMITTALS

- A. Submit under provisions of Subcontract Documents.
- B. Shop Drawings: 1/8" Scale; indicate setting plan for tapered insulation, layout of seams, direction of laps, base flashing details.
- C. Product Data: Provide membrane materials, base flashing materials, insulation, fasteners and accessories.
- D. Manufacturer's Installation Instructions: Indicate special precautions required for seaming the membrane.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Manufacturer's Field Reports: Submit under provisions of this section.
 - 1. Reports: Indicate procedures followed, ambient temperatures and wind velocity during application.
- G. All products used shall be asbestos free.
- H. Global Risk Consultants (GRC) Application for Acceptance of Roofing Installation form (a copy of which is attached to this section) is to be submitted to GRC for their review and approval prior to the start of roofing application, submit GRC reviewed and approved copies to Owner for their review and records.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Provide primary products, including each type of roofing sheet, bitumen, flashings, vapor retarder (if any), and cap sheet produced by a single manufacturer. Provide secondary products only as recommended by manufacturer of primary products for use with roofing system specified. Manufacturers complying with the specified criteria shall also comply with the following:
 - 1. Experience: Shall have been in the business of manufacturing Modified Bitumen roofing membrane systems for a minimum of 5 years.
 - 2. History of Installations: Shall have installations of the specified roofing system in the south Florida HVHZ for a minimum of 3 years.
 - 3. Installer: Manufacturers shall have an on-going approved installer program.
 - 4. Manufacturer's Field Representative: Provide technical representatives (employees) to inspect the installation of the roofing systems as necessary to assure installation is in accordance with warranty requirements.

- a. Provide written reports of observations and recommendations to the Architect or Engineer on a weekly basis.
- B. Installer: The roofing and associated work shall be contracted to a single firm, called the "Installer" hereafter, specializing in the type of roofing required, so that there will be undivided responsibility for the performance of the work.
- C. Installer's Qualifications: A single installer shall perform the work of this Section; and shall be a firm with not less than 3 years of successful experience in the installation of roofing systems specified in this section.
 1. Installer Certification: Provide the Owner with written certification from the manufacturer of the roofing system certifying that the installer is approved by the manufacturer for installation of the specified roofing system. Provide a copy of the certification to the Owner prior to award of the contract.
 2. Installer Licensing: The installer shall be a State Certified Roofing Contractor, certified by the State of Florida, Construction Industry Licensing Board.
 3. Installer's Field Supervision: Installer must maintain a full-time supervisor/ foreman on the jobsite during times that the roofing work is in progress. Supervisor must have minimum of 5 years experience in roofing work specified in this section.
 4. Provide a list of 5 completed projects installed in the south Florida area.
 5. The roofing superintendent shall take readings and temperature of asphalt at point of application.
- D. UL Listing (or other testing agencies approved by FBC): Provide roofing systems and component materials that have been tested for application and slopes indicated and are listed by Underwriters Laboratories, Inc. (UL) for Class A external fire exposure.
 1. Provide roof covering materials bearing classification marking (UL) on bundle, package or container indicating that the materials have been produced under UL's classification and follow-up services.
- E. Testing Agency: The Owner at its option and expense, may select and employ an Independent Roofing Inspection Service specializing in non-destructive evaluations (NDE), for moisture detection purposes, before final acceptance of the roofing systems. Contractor shall be responsible for any repairs deemed necessary to insure any moisture intrusion into the system. Upon completion of any repairs, an additional NDE moisture test shall be to verify compliance. A failure or non-compliance will result in the Contractor being responsible for the cost of the second test plus the cost of additional testing and repairs necessary to insure against moisture intrusion.
- F. Code Compliance.
 1. Building Code: The complete roofing system shall comply with all applicable requirements of the Florida Building Code.
 2. Product Approvals: Roofing system shall have current FBC HVHZ Protocols and required product Notice of Acceptance (NOA) for each roofing system applied to each type of substrate.
 3. Wind Resistance: Execute the installation of the roofing system (including insulation and flashings) to comply with wind resistance requirements of applicable building codes for specific negative wind pressures at various building elevations (heights) as indicated on the Drawings.
 - a. Calculations: Wind load calculations shall be prepared by a licensed structural engineer registered in the State of Florida in accordance with ASCE 7.
 4. Base Flashings Containing Non-Friable Asbestos:
 - a. Remove non-friable asbestos-containing base flashings in accordance with OSHA, NESHAPS, and Notice of Acceptance requirements.
 5. Product Quality Assurance Program: Primary roofing materials shall be manufactured under a

quality management system that is monitored regularly by a third party auditor under the ISO 9000 audit process. A certificate of analysis for reporting/confirming the tested values of the actual material being supplied for the project will be required prior to project **close-out**.

6. Perform Work in accordance with the Contract Documents and NRCA Roofing and Waterproofing Manual except where NRCA details differ from the project manual details.
7. Work closely associated with flexible sheet roofing, including vapor barriers, insulation, flashing and counterflashing, and joint sealers, to be performed by the installing applicator of the primary roofing system.
8. Maintain one copy of each document on site.
9. Manufacturer of the roofing materials shall provide qualified technical representatives to observe field conditions of surfaces and installation, quality of workmanship as applicable, and to make appropriate recommendations.
10. Manufacturer's Certificate of Compliance: Roof membrane manufacturer=s certification that materials are chemically and physically compatible with each other and suitable for inclusion in the roof system and are acceptable for the warranty specified. Materials will not be approved without the manufacturer=s written certification.
11. Manufacturer's representative shall visit the project throughout progress of the Work as follows:
 1. Pre-construction meeting.
 2. Once every two weeks, coordinated with the weekly scheduled meetings.
 3. Final Azero punch list@ inspection.
 4. Called meetings by the Architect.
 5. 11th month inspection prior to Owner=s 12 month inspection.
 6. 23rd Month inspection prior to Owner=s 24 month inspection.
 7. Manufacturer=s Representative shall make a written report of their observations and recommendations, if any within three (3) days of the visit, however, significant discrepancies between the quantity or quality of the installation and the requirements of the Contract Documents shall be brought to the Architect=s attention immediately by telecom.
 8. The Architect shall be entitled to rely upon such observations and recommendations to establish the materials and systems will meet the requirements of the Contract Documents.
- G. Manufacturer's Field Reports: Submit under provisions of Section 01 40 00. Indicate procedures followed, ambient temperatures and wind velocity during application.
- H. Maintain one copy of each document on site.
- I. The Contractor shall submit a sample of roof membrane manufacturer=s warranty.
- J. A manufacturer's letter shall be required certifying that the Contractor is an approved and recommended applicator in good standing.
- K. The Contractor shall not deliver to site or install a material system that has not been

- approved.
- L. The Contractor shall be required to remove materials installed without prior approval upon Owner's request.
 - M. The Contractor shall be required to participate in any post-installation testing programs of the installed roof and insulation system as required to demonstrate compliance with the project requirements performed by the Owner. This will include observation of all testing and any repairs necessary due to these testing activities to return the roof system to new "pre-test" conditions.
 - 1. Post-installation testing will be performed in compliance with the quantity and locations defined by FM Global Property Loss Prevention Data Sheet 1-52, "Field Uplift Tests" using the test procedures and pressures (with safety factor) as defined within the Florida Building Code Testing Application Standard (TAS) 124.
 - 2. Any failure of the tested roof assembly not attributable to system design will require the Contractor to perform remedial repairs and/or replacement, as well as additional testing to demonstrate system compliance with the project requirements at the Contractor's expense, without any additional cost to the Owner.

1.7 PRE-INSTALLATION MEETING

- A. Shall not occur without Shop Drawings approved by the Contractor and accepted by the A/E. Shall convene a minimum of two weeks before starting work of this section.
- B. Required Attendees:
 - 1. Contractor.
 - 2. Roofing subcontractor.
 - 3. Roof System Manufacturer.
 - 4. Installers of deck or substrate construction to receive roofing work.
 - 5. Installers of roof-top units and other work in and around roofing that must precede or follow roofing work (including mechanical work if any).
 - 6. Any other subcontractors associated with roofing work.
 - 7. Architect.
 - 8. Owner's Project Manager.
 - 9. Owner's Maintenance Foreman.
 - 10. Building Department Representative.
- C. The Contractor shall make arrangements for the meeting and notify the parties required to attend.
- D. Agenda shall include:
 - 1. Review preparation and installation procedures and coordinating and scheduling required with related work.
 - 2. Review roof system requirements (drawings, specifications, and other contract documents).
 - 3. Review Shop Drawings and associated submittals.
 - 4. Review manufacturer's technical materials.
 - 5. Review and finalize construction schedule related to roofing work and verify availability of materials, personnel, equipment and facilities needed to make progress and avoid delays.

6. Review required inspection, testing, certifying and material usage accounting procedures.
7. Review weather and forecasted weather conditions, and procedures for coping with unfavorable conditions, including temporary roofing.
8. Tour representative areas of roofing substrates (decks), inspect and discuss condition of the substrate, roof drains, curbs, penetrations and other preparatory work performed by other trades.

1.7 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the products specified in this section with ten (10) years current documented experience.
- B. Applicator: A single installer specializing in performing the work of this section with five (5) years current documented experience and approved by system manufacturer.
 1. The installing contractor must be qualified and approved by FP&L for participation in their energy conservation incentive program.
- C. Supervisor: Maintain a full-time non-working supervisor, on the job site during roofing work in progress. Supervisor shall have five (5) current years minimum documented experience of roofing work similar in scope to specified roofing.
- D. Manufacturer's Field Inspection and Services
 1. Manufacturer of the roofing materials shall provide qualified personnel to observe field conditions of surfaces and installation, quality of workmanship as applicable, and to make appropriate recommendations.
 2. Representative shall visit the Project throughout progress of the work, per Article 1.6/F of this section.
 3. Representative shall submit written reports, within three days of each visit to Architect listing observations, recommendations and related comments.

1.8 REGULATORY REQUIREMENTS

- A. Conform to applicable code for roof assembly fire hazard requirements.
- B. ULI: Class A Fire Hazard Classification.
- C. FM: Roof Assembly Classification, Class 1 Construction.
- D. Wind Uplift Resistance: Provide wind load calculations and submit engineering calculations and substantiating data to validate wind resistance of any non-rated roof system. Wind uplift calculations shall be based on a design wind speed of 186 mph (ultimate) / 144 mph (nominal) in accordance with ASCE 7 or the applicable building code requirements. Calculations shall be certified by a professional engineer registered in the State of Florida.
- E. Material Safety Data Sheets: For all roofing products.

- F. The contractor will be responsible for obtaining a Building Permit from the Building Department of the governing jurisdiction, and any required submittals and inspections thereafter. Signed and sealed copies of the construction documents will be provided by the Owner, all other required documentation is to be provided by the contractor.
 - 1. The Contractor is to complete and submit all required forms, license and insurance documentation prior to obtaining the building permit.
 - 2. The Contractor is to provide any required Product Approval information to the governing Building Department based on the specific project conditions and actual manufacturers and products to be used for this work.
 - 3. The Contractor is to verify the inspection requirements with the governing Building Department and obtain those inspections as required without impacting the progress of the work.

1.9 CERTIFICATION

- A. Materials: For each material specified with a standard or reference material designation, certification labels shall appear on each package of bulk-shipments to project with certificate of compliance.
- B. Installer: Provide two copies of all certification to Architect prior to beginning roofing work.
- C. The Contractor shall have pull tests conducted on the job site in compliance with Florida Building Code TAS 105 with the specified fasteners to determine the pull-out resistance of the existing deck. Acceptable pull-out resistance and the required fastening pattern is to be calculated by an engineer registered in the State of Florida. Submit the data to the Architect for review and approval before installation of any roofing materials.
- D. The Contractor shall confirm the roof deck is dry, (12% maximum by moisture meter testing), in compliance with Florida Building Code TAS 126 prior to or upon removal of the existing roof membrane system.

1.01 SUBMITTALS

- A. Code Approvals: Submit written certification of compliance with the Florida Building Code and required Product Approvals for the specified systems.
- B. Applicator's Status: Submit manufacturer's written proof of approved applicators status, submitted by the Manufacturer's Corporate Office.
- C. Manufacturer's History of Installations: Submit a list of 3 installations of the specified roofing system in the south Florida HVHZ that have been performing for a minimum of 5 years.
- D. Material List: Submit a descriptive list of all component parts of the roofing systems that will be covered under warranty.

- E. Base Sheet Fastening Patterns: Provide drawings of fastener patterns as required to resist specified negative wind pressures, signed and sealed by a registered engineer, licensed in the State of Florida.
- F. Delivery Tickets: Provide Contractor and Architect with bills of lading for roofing system products, including bitumen, at time of delivery to the project site.
- G. Roofing Manuals: Submit, in a three-ring binder, all roofing data, including manufacturer's catalogs/manuals of materials and accessories used in the Project, including manufacturer's recommendations.
- H. Delivery Tickets: Provide Contractor and Architect with bills of lading for roofing system products, including bitumen, at time of delivery to the project site.
- I. Complete current Florida Building Code (FBC) High Velocity Hurricane Zones (HVHZ) Protocols and required product Notice of Acceptance (NOA).

1.11 MOCKUP

- A. Provide mockup of roof membrane system and associated components and accessories under provisions of Section 01 40 00.
- B. Mockup Size: 10 x 10 feet, including preliminary roof membrane, tapered rigid insulation, gypsum coverboard, multi-ply roof membrane, and typical base and counterflashing specified; at a location designated by the Owner. Mockup may remain as part of the Work.

1.12 PRE-INSTALLATION CONFERENCE

- A. Convene one week prior to commencing work of this section at project site with Contractor, Roofer, and Subcontractors, governing authorities, product manufacturers, Architect and Owner.
- B. Review requirements, Contract Documents, submittals, sequencing, availability of materials and installation facilities, proposed installation schedule, requirements for inspections and testing or certifications, forecasted weather conditions, governing regulations, insurance requirements, and proposed installation procedures.
- C. Record discussion on matters of significance; furnish copy of recorded discussions to each participant. Discuss roofing system protection requirements for construction period extending beyond roofing installation.

1.13 DELIVERY, STORAGE, AND HANDLING

- A. Deliver to site, store, protect, and handle products under provisions of Contract

Documents.

- B. Deliver material in manufacturer's original, unopened containers with manufacturer's labels intact and legible.
- C. Deliver material requiring fire resistance classification to the job with labels attached and packaged as required by labeling service.
- D. Deliver enough material to allow continuous work.
- E. Store rolls, cans and drums of cements, primers, and coatings, on end and over clean raised platforms.
- F. Store and handle materials to protect them from:
 - 1. Moisture, whether due to precipitation, or condensation.
 - 2. Damage by construction traffic.
 - 3. Temperatures over 110 degrees or below 40 degrees F.
 - 4. Direct sunlight.
 - 5. Mud, dust, sand, oil and grease.
- G. Select and operate material handling equipment and store materials to keep from damaging existing construction or applied roofing. Immediately remove and dispose of wet materials.
- H. Comply with fire, safety, and environmental protection regulations.
- I. Do not store materials on roof decks, nor position roofing installation equipment on roof decks, in concentrations exceeding design live loads.
- J. Take special precautions against traffic on roofing when ambient temperature is above 80 degree F. Avoid heavy traffic on the work during installation.

1.14 PROJECT CONDITIONS

- A. Existing Conditions
 - 1. The roofing applicator and sheet metal installer shall verify existing conditions, such as soundness of perimeter conditions, and varying deck and wall thickness for length of anchoring services required and other visible conditions prior to Bidding.
 - 2. Report conflicts and problems to the Architect for resolution prior to Bidding. Failure to report these conflicts and problems places the responsibility on the Prime Contractor to complete the work in accordance with the Documents at no additional cost to the Owner.
 - 3. Replace or restore to original condition any materials or work damaged during construction.
 - 4. Surfaces not designated to receive the system shall be properly masked or otherwise protected against accidental spillage or application of the material to those

MODIFIED BITUMEN – TORCHED APPLICATION

areas.

5. Failure to install the work in strict accordance with provisions of this Section is subject to total rejection of work specified herein.

1.15 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply roofing membrane during inclement weather ambient temperatures below 40 degrees F.
- B. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.
- C. Proceed with roofing work when existing and forecasted weather conditions permit work to be performed in accordance with requirements of this section and warranty compliance requirements.

1.16 SAFETY REQUIREMENTS

- A. All work shall be in compliance with OSHA safety standards and regulations with emphasis on Section 29 CFR 1910, including but not limited to the following requirements.
 1. Provide facility administrator one day prior notice before commencing with work or moving to new areas.
 2. Proper identification and clothing, to work at all times. Only the facility administrator is permitted in the facility.
 3. The Contractor shall provide sufficient temporary barricades in order to contain passage ways around tankers, trash chutes, hoisting areas and areas below roof edges where work is conducted.
 4. Fire extinguishers are required, one on the ground and one on the roof deck.
 5. Seal all possible seepage areas, before using bituminous materials.
 6. Power driven shot fasteners are not permitted.
 7. All pumps shall use rigid pipes.
 8. No flammable or explosive substance or equipment for repairs or alterations shall be introduced in a building of normally low or ordinary hazard classification while the building is occupied unless the condition of use and safeguards provided are such as not to create any additional hazard or handicap to egress beyond the normally permissible conditions in the building.
Protect building and adjacent surfaces from bitumen spillage and repair or replace damaged materials at no cost to Owner.
- B. All toxic substances enumerated in the Florida Substance List established pursuant to S.442.103 that are to be used in the construction, repair or maintenance of public facilities are restricted to usage according to the following provisions:
 1. Before any such substance may be used, the Contractor shall notify the Owner in writing at least three working days prior to using the substance. The notification shall

MODIFIED BITUMEN – TORCHED APPLICATION

contain:

- a. The name of the substance to be used;
 - b. Where the substance is to be used; and
 - c. When the substance is to be used.
2. The Owner shall take all reasonable actions to ensure that the Contractor complied with the safety precautions and handling instructions set forth in the material safety data sheet for each substance used by the Contractor so that usage of the substance poses no threat to the health and safety of students, school personnel and the general public.
- C. Contractor shall maintain a daily a fire watch for a minimum of two (2) hours after torch down shift has been completed.
- D. All "hot work" in conjunction with this project shall be performed in compliance with the precautions defined within the "FM Global Hot Work Permit System".

1.17 COORDINATION

- A. Coordinate work under provisions of Sections 01010 and Division 1.
- B. Coordinate the work with installing associated wood blocking and nailers, roofing, expansion joints and area dividers, and metal flashing as the work of this section proceeds.

1.18 SEQUENCING

- A. Organize operations so work can simultaneously proceed on the various aspects including roofing, cants and flashing so at the end of each day the work done that day will be substantially complete.
- B. Roof area shall be substantially complete prior to beginning another roof area; utilize multiple crews for multiple roof area construction. Phasing of roof construction by area is permitted as defined by these documents, watertightness of the building exterior envelope is to be maintained at all times.
- C. Sequence equipment removal with temporary covering of deck openings with plywood strong enough to prevent injuries from falling through. Contractor shall install waterproof covering over deck and tie-in to existing membrane to achieve complete watertightness until permanent repairs, or deck infill is completed.

1.19 WARRANTIES

- A. Applicators Warranty: A two-year applicator guarantee is to include a 48 hour response requirement, to cover entire roof assembly, not just the membrane, (Furnish on executed form included at the end of this section). Performance Bond is to remain in effect for the entire duration of the Applicators Warranty.
- B. Manufacturer's Warranty: 20 year ANo Dollar Limit@ total roof system warranty inclusive of

MODIFIED BITUMEN – TORCHED APPLICATION

roofing materials, included products and accessories from deck to finish membrane (Refer to Manufacturer=s Notice of Intent to Issue Roof Warranty at end of this Section).

- C. A Manufacturer's Notice of Intent to Issue Roof Warranty Form shall be executed by the Manufacturer that acknowledges project design, warranty requirements, lists primary/secondary material approvals, and the initial manufacturer approval (or certification) for the named roofing contractor as an authorized applicator.
- D. A non-prorated, non-penal sum manufacturer=s roof warranty is required.
- E. Manufacturer's roof warranty will cover the cost of removal and replacement of damaged or wet insulation that is the result of leaks from poor workmanship or failed material.
- F. The Contractor is responsible to submit and provide components required by the roofing system manufacturer for the specific warranty.
- G. Warranty will not exclude from coverage damage to the roof system from wind gusts as defined in the Manufacturer's Notice of Intent to Issue Roof Warranty at end of this Section. Warranty may exclude damage for wind launched debris or projectiles which are not part of this system.
- H. A Contractor's Final Statement of Compliance shall be issued by the roofing contractor as part of the "close-out" documentation required at the end of the project.
- I. The manufacturer's warranty shall meet the terms of MDAD.

PART 2 PRODUCTS

2.1 MATERIALS, GENERAL

- A. Insurance and Code Requirements: Provide materials complying with governing regulations, installed to comply with Underwriters Laboratories Class A; ASCE 7, and Florida Building Code wind up-lift requirements.
 - 1. Roof membrane system shall comply with the Florida Building Code, (as calculated for a 186 mph (ultimate) / 144 mph (nominal) wind per ASCE 7, wind up-lift requirements.
- B. Obtain primary modified bitumen sheet roofing from a single manufacturer. Provide secondary materials only as recommended by the manufacturer of the primary material, and additionally as specified.

2.2 MODIFIED BITUMEN ROOFING AND FLASHING MEMBRANE MATERIALS

- A. Modified Bitumen Interply (Field and Base Flashing) Sheet: Smooth surfaced SBS modified bitumen membrane interply sheet intended for heat welded (torched) application, membrane shall be a minimum of 90 mils, and weight not less than 70 lbs. per 100 square feet. SBS membrane ply shall be reinforced with a 170 gram/square meter minimum non-

MODIFIED BITUMEN – TORCHED APPLICATION

woven polyester mat(s), shall conform to the requirements of ASTM D 6164, Type I, Grade S, and be a component within a Class A roofing system as tested in compliance with ASTM E 108. Acceptable manufacturer's and products listed below are the only known approved manufacturers of this system:

1. Firestone SBS Poly Torch Base
2. John Mansville DynaWeld 180 Smooth
3. Soprema Sopralene Flam 180
4. XtraFlex SBS Poly Base
5. Architect approved equivalent products with required approvals and certifications.

B. Modified Bitumen Cap (Field and Base Flashing) Sheet: Reflective surfaced SBS modified bitumen membrane sheet (with reflective granules) intended for a torched application, membrane shall be a minimum of 150 mils, and weight not less than 100 lbs. per 100 square feet. SBS membrane ply shall be reinforced with a 170 gram/square meter minimum non-woven polyester mat(s), shall conform to the requirements of ASTM D 6164, Type I, Grade G, and be a Class A material as tested in compliance with ASTM E 108.

1. Cap sheet shall have a minimum initial solar reflectance index (SRI) of 88, and a maintained minimum SRI of 81 after three years under normal conditions.
2. Cap sheet shall have an initial emissivity of 0.89 as tested in accordance with ASTM E 408, and a minimum weathered emissivity of 0.66.
3. Reflective surface properties of the membrane to be provided by the ultra-white granules, an applied coating is not acceptable.
4. Acceptable manufacturer and products which are known to comply with these requirements are as follows, and the Basis of Design Mfr. is Soprema.
 - a. Johns Manville Dynaweld Cap 180 FR CR G
 - b. Firestone SBS Ultra White FR Torch
 - c. Polyglass Polyfresko G SBS FR
 - d. Soprema Sopralene Flam 180 FR GR SG
 - e. Architect approved (prior to bidding) equivalent product with required approvals and certifications.

2.3 CAP SHEET GRANULES: Manufacturer's standard white or tan cap sheet granules.

2.4 SHEET MATERIALS

- A. Strip-In Flashing: Smooth surfaced SBS modified bitumen interply sheet for torch or cold process application as specified in article 2.2/A above.
- B. Preliminary Roof Sheet: Smooth surfaced SBS modified bitumen flashing sheet for torch application as specified in article 2.2/A above.
- C. Fiberglass Base Sheet: ASTM D-4601, Type II coated base sheet, nominal weight of 23 pounds per roofing square.

- D. Modified Bitumen "Dry-in" Membrane material: 40 mil (1 mm) minimum total thickness, polyester reinforced, SBS modified asphalt waterproofing and underlayment membrane sheet, single-sided, self-adhesive, with a strippable treated release paper. Factory or field cut if necessary to the size required by the details. Approved products:
1. Interwrap Titanium PSU
 2. Protecto-Wrap "Rainproof-40"
 3. Soprema "Sopralene Stick"
 4. Tamko "TW Metal and Tile" underlayment.
 5. W.R. Grace Ice & Water Shield
 6. Architect approved (prior to bidding) equivalent product.

2.5 BITUMINOUS MATERIALS

- A. Asphalt Primer: ASTM D41.
- B. Plastic Cement: ASTM D4586, Type II, cutback asphalt type (non-asbestos).
- C. Modified Bitumen Adhesive: SBS modified asphalt adhesive; such as; "Matrix SB" by US Intec, or manufacturer-approved equivalent.

2.6 RIGID INSULATION

- A. Polyisocyanurate Insulation: Closed cell glass fiber reinforced type, as approved for use within a 20 year warranted roof system by the roofing manufacturer, and conforming to the following:
1. Board Density: 2 lb/cu ft.
 2. Board Size: 4x4 feet, (4 x 8 feet if mechanically attached).
 3. Minimum Thickness for Tapered Insulation: 3" at the edge of the roof drain sumps (see detail 7.01), or as indicated within the roof edge flashing detail for the project.
 4. Tapered System Slope: Typically installed as required to provide a 1/4" per foot finished roof slope in a 4-way drainage pattern.
 - a. Level deck, install a 1/4" per foot tapered insulation system
 - b. 1/8" per foot existing slope, install a 1/8" per foot tapered insulation system.
 - c. Crickets over a 1/4" per foot system, install a 1/2" per foot taper system.
 5. Compressive Strength: 25 psi ASTM C 165-05
 6. Facing: Factory applied skin of glass fiber facing on both faces.
 7. Board Edges: Square.
 8. Water Absorption: In accordance with ASTM C209, 1 percent by volume maximum.
 9. Foam Core Flame Spread: 25 Max. - ASTM E-84 (Tunnel Test).
 10. ULI Fire Rating: Conform to the current ULI, Class A, Roof/Ceiling fire rated assemblies (see current ULI "Fire Resistance Directory").

2.7 GYPSUM ROOF COVER BOARD

- A. Gypsum Roof Board (Glass fiber reinforced/faced gypsum): as approved for use within a 20 year warranted roof system by the roofing manufacturer, with the following

MODIFIED BITUMEN – TORCHED APPLICATION

characteristics:

1. Board Type: manufacturer standard product for use over rigid insulation, use only manufacturer "Pre-primed" material.
 2. Manufacturer and Product: Georgia-Pacific Corporation, Gypsum Division, Dens-Deck Roof Board or approved equal.
 3. Board Size: 4 x 4 feet, (4 x 8 feet if mechanically attached)
 4. Minimum Thickness: 1/4".
 5. Compressive Strength: Minimum 35 psi.
 6. Water Absorption: In accordance with ASTM C 1177
 7. Board Edges: Square.
 8. UL Fire Rating: Conform to the current UL, Class A, Roof/Ceiling fire rated assemblies (see current UL "Fire Resistance Directory").
- B. Gypsum Roof Board (Glass fiber reinforced with no face layer): as approved for use within a 20 year warranted roof system by the roofing manufacturer, with the following characteristics:
1. Board Type: manufacturer standard product for use over rigid insulation.
 2. Manufacturer and Product: United States Gypsum Company, Securock Roof Board or approved equal.
 3. Board Size: 4 x 4 feet, (4 x 8 feet if mechanically attached)
 4. Minimum Thickness: 1/2".
 5. Compressive Strength: Minimum 1,250 psi.
 6. Water Absorption: 10 in accordance with ASTM C 473
 7. Board Edges: Square.
 8. UL Fire Rating: Conform to the current UL, Class A, Roof/Ceiling fire rated assemblies (see current UL "Fire Resistance Directory").
- C. Contractor's Option: Multi-ply, semi-rigid asphaltic roof substrate board composed of a mineral fortified asphaltic core formed between two asphaltic saturated fiberglass liners.
1. Board Type: manufacturer standard product for use over polyisocyanurate insulation only.
 2. Manufacturer and Product: Soprema, Sopraboard
 3. Board Size: 4 feet x 4 feet (for adhered application) x 1/8" thick (minimum as required by manufacturer.
 4. Compressive Strength: 440 psi.
 5. Water Absorption: <1% in accordance with ASTM C 209
 6. Board Edges: Square.

2.8 BATT INSULATION

- A. ASTM C665; preformed glass fiber batt conforming to the following:
1. Thermal Resistance: R-13 for expansion joint curbs.
 2. Facing: Faced on one side with asphalt treated Kraft paper.
 3. Flame/Smoke Properties: In accordance with ASTM E84.

MODIFIED BITUMEN – TORCHED APPLICATION

2.9 MECHANICAL FASTENERS

- A. For Fastening Base Flashing to Wood Nailers: Roofing nails, galvanized, hot dipped or non-ferrous type, size as required to suit application.
- B. Insulation fasteners: Appropriate for purpose intended and approved by system manufacturer; length required for thickness of material with metal washers.
- C. For fastening batt insulation to wood substrate: Galvanized nails, screws or electroplated staples. Length to suit insulation thickness, capable of securely and rigidly fastening insulation in place.
- D. For All Other Locations: Provide size, type, material and finish as required by the manufacturer for the substrate and the material being fastened.

2.10 INSULATION ADHESIVES - MANUFACTURERS

- A. Provide insulation adhesive type and product approved by the roofing manufacturer as a component within the tested roof system selected for this project. Manufacturers and products include the following:
 - 1. OLY BOND Adhesive Fastener, Olympic Manufacturing Group, Inc. 153 Bowels Road, Agawam, MA 01001, 800-633-3800 and (FAX: 413-821-0417).
 - 2. INSTA-STIK Professional Roofing Adhesive, Insta-Foam Products, Inc., 1500 Cedarwood Drive, Joliet, IL 60435-3187, 800-800-3626, (FAX: 815-741-6822).
 - 3. TITE-SET Commercial Roofing Adhesive, Polyfoam Products, Inc., 10798 NW 53rd Street, Sunrise, FL 33351, 888-774-1099, (FAX: 954-578-1042).
 - 4. ROOF ASSEMBLY ADHESIVE, CHEM-LINK Advanced Architectural Products, Inc., 416 Ransom Street, Kalamazoo, MI 49007, 800-826-1681. May be obtained through ASR Associates, Inc., 800-683-0221.
- B. Other acceptable adhesives: Any FM Listed Foam Adhesives or Adhesives approved by the roofing system manufacturers may be submitted for review and acceptance by the Architect per section 01 63 00 – Product Substitution Procedures.
 - 1. Contractor to submit certification based on pull tests showing adhesive meets ASCE 7 uplift requirements.

2.11 FIBRATED ALUMINUM COATING: (for coating “3-coursing” at base flashing corners, etc.): Provide fibrated reflective coating with asphalt cut-back base, fiberglass fibers, and leafing-type aluminum pigment; complying with ASTM D-2824, Type III.

2.12 ACCESSORIES

- A. Metal Cant Strip (and Contractors Options): Basis of design is a continuous strip of 16 gage, G90 galvanized steel, with the material formed to a 140 degree angle top and bottom, with a 3 inch minimum face width. Due to combustibility concerns, the contractor has the following options.

MODIFIED BITUMEN – TORCHED APPLICATION

3. Architect approved equal product.
- 2.15 SEALANTS: As specified in Section 07900.
- 2.16 SEALANT PRIMER: Recommended by sealant manufacturer to suit application.
- 2.17 JOINT CLEANER: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- 2.18 BACKER ROD: Extruded polyolefin foam made of a non-absorbing outer skin and a highly resilient interior network of open and closed cells which will not out-gas when ruptured.
- 2.19 MISCELLANEOUS MATERIALS: All other material and accessories, not specifically described, but required for a complete and proper installation of roofing, shall be products of, or recommend by the manufacturer of the primary material and subject to the approval of the Architect.

PART 3 EXECUTION

3.1 GENERAL INSTALLATION REQUIREMENTS

- A. Total Installation Concept:
 1. The specified system is a total roofing system, not a patched up, chopped up, spliced or added to or on roofing system. Therefore, this type of application will not be acceptable.
 2. If a section of roof requires reworking and/or patching, the entire area or section of roofing shall be replaced. This shall mean from vertical surface to vertical surface, or roof perimeter to roof perimeter in all directions.
- B. Watertightness Imperative:
 1. The work specified herein will not preclude the use of procedures that will maintain the buildings watertight.
 2. Therefore, the Contractor, while conforming to these Contract Documents, must utilize necessary procedures to keep water out of the buildings while construction is in progress.
 3. At end of each day's roofing installation and prior to the onset of all inclement weather, new section of roofing shall be temporarily sealed with cut-offs to the unfinished substrates. Seal projections through the roof and to the surrounding intersections so that no moisture may enter roofing or into structure before work resumes. Remove cut-offs before work resumes.
 4. Cut-offs: 1 ply of modified bitumen sheet torched down; remove at beginning of next day's work.
- C. In areas where there is a chance of debris falling into the occupied space, work will hours to be tightly coordinated with Owner Representative.

- D. Environmental Impact: Ensure that fresh air intakes in the area of new roofing construction are properly sealed or filtered. Coordinate user requirements for temporary equipment shutdown as needed. Also, take care to prevent lightweight concrete or asphalt from entering through voids in the deck.
- E. Interior Work: Coordinate installation of associated repairs with user schedules and peak-use times.
- F. Off Hour Work: The following roof construction activities must be coordinated and scheduled to occur while those spaces immediately below the required work are not occupied.
 - 1. Asbestos abatement
 - 2. Removal or installation of heavy roof top equipment.
 - 3. Structural and/or deck repairs
 - 4. Application of hot asphalt to structural deck.
 - 5. Loading or unloading of materials.
 - 6. Any interior (below structural roof deck) work.
- G. Building Safety
 - 1. Contractor shall maintain a daily fire watch for a minimum of two (2) hours after torch down shift has been completed.

3.2 EXAMINATION

- A. Verify that surfaces and site conditions are ready to receive work.
- B. Verify deck is supported and secured.
- C. Verify deck is clean and smooth, free of depressions, waves, or projections, properly sloped to drains, valleys, or eaves.
- D. Confirm deck is dry by moisture meter with 12 percent moisture maximum in compliance with Florida Building Code TAS 126 prior to or upon removal of the existing roof membrane system.
- E. Verify roof openings, curbs, pipes, conduit, sleeves, ducts, roof drains and vents through roof are solidly set, and cant strips and reglets are in place.
- F. At lightweight insulating concrete decks, verify fasteners have been tested to have met or exceeded the minimum pull-out resistance required by the project engineering.
- G. At lightweight insulating concrete decks, repair all "divots" from existing fasteners having been removed, "divot" repair as a result of existing roof tear-off is to be considered part of the base bid services, and not part of the unit price allowances.

- H. Roof membrane manufacturer's technical representative is to inspect the roof deck / substrate conditions prior to application of roofing materials to verify the substrate is acceptable to receive the proposed roofing system in compliance with the appropriate Florida Product Approval Installation Instructions. A written report stating such is to be submitted to the Owner and Architect for their review and records.

3.3 INSTALLATION REQUIREMENTS

- A. Protect other work from spillage of modified bitumen roofing materials and prevent liquid materials from entering or clogging drains and conductors. Replace/restore other work damaged by installation of roofing system work.
- B. Torch application shall follow guidelines set by FM Global Safeguarding Torch-Application Roof Installations Data Sheet 1-33.
- C. Insurance/Code Compliance: Install system for (and test where required to show) compliance with governing regulations and with the following requirements:
 - 1. Underwriter's Laboratories "Fire Classified" and "Class A@, the Florida Building Code for 186 mph (ultimate) / 144 mph (nominal) wind up-lift resistance.

3.4 PRELIMINARY ROOF AT EXISTING CONCRETE DECK

- A. Existing roof membrane must be removed from the existing deck, and a smooth substrate provided.
- B. Clean, prepare and fully prime the existing structural concrete deck.
- C. Install a SBS modified bitumen interply sheet, lapped, shingled in proper direction to drain water to roof drain locations), with torch-adhered application. Overlap ends of connecting plies (end lap) minimum of 10 inches. Remove all factory splices from rolls. Apply membrane smooth, free from air pockets, wrinkles, or tears. Ensure full bond of membrane to substrate. Seal membrane around roof protrusions and penetrations.

3.5 PRELIMINARY ROOF AT EXISTING LIGHTWEIGHT INSULATING CONCRETE

- A. Existing roof membrane must be removed from the existing deck, and a clean, smooth substrate provided.
- B. Loose lay a vented base sheet over the existing substrate, lap a minimum of 4 inches at edges and ends mechanically fasten to the underlying substrate in accordance with the prescribed attachment requirements as determined by the project specific engineering.
- C. Install a SBS modified bitumen interply sheet, lapped, shingled in proper direction to drain water to roof drain locations), with torch-adhered application. Overlap ends of connecting plies (end lap) minimum of 10 inches. Remove all factory splices from rolls. Apply membrane smooth, free from air pockets, wrinkles, or tears. Ensure full bond of

membrane to substrate. Seal membrane around roof protrusions and penetrations.

3.6 PREPARATION FOR INSULATION APPLICATION

- A. The Contractor shall verify field dimensions for determining a positive drainage slope.
- B. Install only as much insulation board in any one day as can be covered by the completed membrane in the same day.
- C. Prior to insulation board application, remove excess dust, loose granules and foreign materials from surface of preliminary roof by brooming and powered blowers or vacuums.
- D. Contractor shall insure that slopes indicated on the drawings are "finish" slopes, regardless of irregularities and deviations in the roof deck or substrate.

3.7 INSTALLATION OF RIGID INSULATION

- A. Adhere all layers of the rigid tapered insulation system over the preliminary roof membrane with a manufacturer approved insulation adhesive, (butt boards tightly). Apply the polyisocyanurate insulation board system as necessary to provide a finished slope of 1/4" per foot minimum.
- B. Install crickets on "high" side of roof top equipment curbs and between roof drains, prior to installation of the gypsum roof board. Adhere with a manufacturer approved insulation adhesive.
- C. Adhere a subsequent layer of 1/4" minimum thickness, fiberglass reinforced gypsum cover board over the tapered rigid insulation board system with a manufacturer approved insulation adhesive, (butt boards tightly). Cover all joints with tape and fully prime top surface of the gypsum cover board.
- D. Cant Strips/Tapered Edge Strips: Except as otherwise shown, install preformed 45 degrees non-combustible cant strips at junctures of membrane with vertical surface after installation of the gypsum roof board.

3.8 MEMBRANE APPLICATION

- A. Interply Sheet Application: Install two (2) SBS modified bitumen interply sheets over the gypsum cover board, lap (shingle in proper direction to shed water), with torch-adhered application methods.
 - 1. Apply flame to bottom side of interply as it is being rolled out to achieve adhesion to gypsum roof board and/or vented base sheet.
 - 2. Overlap ends of connecting plies (endlap) minimum of 10 inches. Remove all factory splices from rolls.
 - 3. The two interplies are to be applied individually as separate layers to allow work of other trades to be completed prior to the application of the second interply.

MODIFIED BITUMEN – TORCHED APPLICATION

- B. Apply membrane; lap and seal edges and ends permanently waterproof.
- C. Apply membrane smooth, free from air pockets, wrinkles, or tears. Ensure full bond of membrane to substrate.
- D. Extend membrane up to top of cant strip.
- E. Seal membrane around roof protrusions and penetrations.
- F. Finished Interply Membrane Inspection:
 - 1. Prior to application of the reflective surfaced cap sheet at any roof area, the Architect and manufacturer's representative will review the surface condition of the membrane for wrinkles, buckles, kinks, dry lap, fish mouths, or other surface irregularities.
 - 2. Corrective measures for surface irregularities as determined by the Architect and materials manufacturer shall be completed prior to cap sheet application.
 - 3. Cap sheet application shall not commence until sheet metal and flashing installation has been completed and reviewed by the Architect.
- G. Contractor shall maintain a daily Afire watch@ for a minimum of two (2) hours after torch down shift has been completed.

3.9 APPLYING GRANULE SURFACED MODIFIED BITUMEN CAP SHEET

- A. Cap Sheet Installation: Apply flame to bottom side of cap sheet as it is being rolled out to achieve adhesion to interplies. Lap end of sheets 10 inches, and side laps 3 inches.
- B. Roll out cap sheet and cut each roll in two equal lengths. Allow cap sheet to relax 30 minutes before installation.
- C. Laying Cap Sheet:
 - 1. Lay out cap sheet perpendicular to the direction of the roof slope.
- D. Contractor shall maintain a daily Afire watch@ for a minimum of two (2) hours after torch down shift has been completed.
- E. Set-on Accessories:
 - 1. Coordinate installation of set-on accessories.
 - 2. Review details for special installation requirements.
 - 3. Where small roof accessories are set on the membrane, set primed metal flanges in a 1/4" thick bed of flashing adhesive, and seal penetration of membrane with bead of flashing adhesive.
 - 4. Strip metal flanges using manufacturer's standard white or tan granular-surfaced flashing, set in modified bitumen adhesive, extending minimum 4" beyond flange.
- F. Vent Pipe Flashing:
 - 1. Set metal flange in a 1/4" thick flashing adhesive.

2. Top of sleeve shall be bent over and extended down into the vent pipe a minimum of 1 inch. Obstruction of opening is not permitted.
 3. Strip-in as specified for set-on accessories.
 4. Set primed metal flanges of set-on accessories in bed of flashing adhesive.
- G. Traffic Pads: Apply walkway protection pads at locations shown, using units of size shown or, if sizes not shown, using units of manufacturer's standard size. Set units in roof cement or adhesive compatible with and approved by roof membrane manufacturer, field fabricated traffic pads can also be heat welded in place. Leave 3" clear between pads

3.10 FLASHING (ROOFING TORCH APPLICATION)

- A. Install SBS modified bitumen, polyester reinforced flashing system using a roofing torch on vertical surfaces of wall and curbs over a mechanically fastened base ply felt or solid substrate.
1. Apply flexible sheet base flashing using a Atorch@ application over initial modified bitumen interply flashing.
 2. Hand rub to ensure complete embedment and adhesion of flashing.
 3. Three courses outside corners and side laps using reinforcing membrane and flashing adhesive. Coat exposed asphalt with fibrated aluminum coating.
- B. Secure top of flashing to nailers or solid substrate at 4 inches on center.
- C. Coordinate installation of roof drains, curbs and related flashing.

3.11 FLASHING (COLD PROCESS APPLICATION).

- A. Install SBS modified bitumen, polyester reinforced flashing system in trowelable flashing adhesive on vertical surfaces of wall and curbs over a mechanically fastened base ply felt or solid substrate.
1. Apply flexible sheet base flashing using a Atorch@ application over modified bitumen interply flashing.
 2. Hand rub to ensure complete embedment and adhesion of flashing.
 3. Three course outside corners and side laps using reinforcing membrane and flashing adhesive. Coat exposed asphalt with fibrated aluminum coating.
- B. Secure top of flashing to nailers or solid substrate at 4 inches on center.
- C. Coordinate installation of roof drains, curbs and related flashing.

3.12 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed under provisions of Contract Documents.
- B. Correct identified defects or irregularities.

- C. Require site attendance of roofing and insulation materials manufacturers during installation of the Work.

3.13 TESTING

- A. The contractor will be required as part of the contract to successfully test all newly-completed roof system installations and demonstrate them to be free of leaks as outlined in this article prior to acceptance by the Owner.
- B. Contractor is to select and submit their preferred method of non-destructive testing for the project to the Owner prior to the performance of any testing.
- C. The acceptable non-destructive testing methods for a modified bitumen roof system installed on a structural concrete deck, (with or without rigid insulation), are Nuclear using a Troxler gauge, Infrared thermography, or a Capacitance Meter.
- D. The acceptable non-destructive testing method for a modified bitumen roof system installed over a lightweight insulating concrete deck substrate is Nuclear using a Troxler gauge.
- E. All testing shall be performed by a consultant that specializes in testing of building materials with a minimum of three (3) years documented experience in the field.
- F. A formal written report of all testing procedures, results and recommendations shall be compiled by the testing consultant and submitted to the Owner as a digital file, as well as three (3) color "hard" copies.
- G. The contractor is responsible for any repairs and/or replacement required to eliminate any existing and prevent any future intrusion of moisture within the roof system.

3.14 CLEANING

- A. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and comply with their documented instructions.
- B. Repair or replace defaced or disfigured finishes caused by work of this section.
 - 1. Trash and scraps are a hazard and shall be collected and disposed of immediately.
 - 2. The applicator shall remove all masking protection equipment, materials and debris from the work and storage areas and leave those areas in an undamaged and acceptable condition.
 - 3. Place new sod in an acceptable blending of the edges of new sod to existing surrounding sod in all damaged areas.
 - a. Do not placed new sod over existing sod. Excavate so that top plane of new sod will conform to adjacent plane of existing sod. Match new sod with existing sod type.

3.15 PROTECTION

- A. Protect building surfaces against damage from roofing work.
- B. Where traffic must continue over finished roof membrane, protect surfaces.
- C. Upon completion of roofing work (including associated work) advise Owner of recommended procedures for surveillance and protection of roofing during remainder of construction period. At the end of the construction period, or at a time when remaining construction work will in no way affect or endanger roofing, make a final inspection of roofing and prepare a written report to Owner and Architect describing nature and extent of deterioration or damage, if any, found in the work.
- D. Repair or replace deteriorated or defective work found at time of final inspection. Repair damages to roofing which occurred subsequent to roofing installation and prior to final inspection.
- E. Repair or replace the roofing and associated work to a condition free of damage and deterioration at time of substantial completion.

3.16 TRAINING

- A. The roofing system manufacturer shall be required to provide training for two MDAD Maintenance Division personnel in the proper methods of repair for their system. After they have successfully completed the said training, these MDAD personnel shall be authorized by the manufacturer to make repairs and minor modifications to the warranted roof systems, including flashings and penetrations, without voiding existing warranties, upon inspection and approval of the repair work by the manufacturer.

END OF SECTION

MANUFACTURER'S NOTICE OF INTENT TO ISSUE ROOF WARRANTY

Modified Bitumen Roofing

Whereas _____
herein called the "Roofing System Manufacturer" hereby gives notice to:

Owner: _____

Address: _____
of its Notice of Intent to issue its Roof Warranty, to the Owner for the Project,

Project: _____

Address: _____
incorporating the Manufacturer's _____

_____ roofing system or product is installed in accordance with the Contract Documents.

Manufacturers= Notice of Intent to Issue Roof Warranty in conformance with the Contract Documents shall be executed by the manufacturer and submitted to the Owner as a condition of award within 10 days from receipt of the Contract Award Recommendation from MDAD. Each Bidder shall submit a single form, only from a single specified manufacturer, and shall include items 1 and 2 as follows:

1. A detailed description of the components of the manufacturer=s system proposed and a list of any other component and accessories, proposed for use in the system that is provided by other manufacturers or suppliers.
 - a) A statement that the Manufacturer=s Representative has thoroughly reviewed the job conditions and project manual. Having reviewed the above items in detail, the Representative will provide a written notice to the Design Professional ten days prior to the bid date, if conflicts between the Manufacturer=s requirements occur with the above listed documents.
2. A sample of the Manufacturer's Roof Warranty shall be submitted along with this form. The manufacturer shall delete all exceptions relative to system failure from high winds uplift pressures due to gale force winds and windstorms up to 144 mph (nominal wind speed) or below the "Unfactored / (Nominal) Wind Uplift Pressures as calculated per the Florida Building Code and ASCE 7, and indicated within the drawings.
3. Twenty (20) year total roof system warranty inclusive of roofing materials, all included products and accessories, including all metal flashings, from roof deck to finish membrane, whether supplied by the membrane manufacturer or by others. Provide a ANo Dollar Limit@, single source responsibility, non-deductible roofing warranty inclusive of all material and labor in full compliance with all the requirements of the project specifications.
 - a) The definition of faulty components or roofing in disrepair includes, but not limited to: blisters in the roofing system; cracks or ridging in the membranes; delamination, shears or tears in the membrane; defects in the quality of the materials, leaks of any kind.

MANUFACTURER'S NOTICE OF INTENT TO ISSUE ROOF WARRANTY - page 2

- b) The manufacturer shall modify the roof warranty to include total labor coverage for the warranty period and to cover damage to roof materials and insulation down to the roof deck resulting from water penetration.
 - c) The manufacturer shall modify the roof warranty to state that the Owner has the right to make emergency repairs without voiding the warranty if the manufacturer or applicator do not respond within 24 hours to notification by the Owner of a defect or leak.
 - d) The manufacturer shall modify the roof warranty to state that annual inspections with written reports by the Owner, and resulting maintenance, are sufficient to fulfill the periodic inspection requirements of the manufacturer=s warranty.
 - e) The manufacturer shall modify the roof warranty to state that the warranty shall be governed by the laws of the State of Florida. The sole and exclusive venue for any litigation arising from or related to this Warranty or any work performed under the terms of this Warranty, shall be in Dade County, Florida.
4. The manufacturer's Representative shall conduct a Post-Construction field inspection no earlier than eleven (11) months, and no later than twelve (12) months after the Date of Substantial Completion. Submit a written report within seven (7) days of this visit to the Owner's Maintenance Dept. listing observations, conditions and any recommended repairs or remedial action.
5. The manufacturer will, during the second (2nd), and fifth (5th), year of this warranty, inspect the roof system and provide a written Executive Summary of the Roof Condition to the Owner.

Further, the manufacturer acknowledges that the applicator:

Roof Applicator=s Name: _____

Address: _____

has been approved to install this roof system since _____, _____ and meets the criteria for an approved applicator listed in the Project Manual.

By signing the above, the Authorized Representative of said Manufacturer certifies and represents the Roofing System Manufacturer with the authority to contract and make the above representations to the Owner.

By: _____ Date: _____
Signature of Authorized Representative

Name: _____ Title: _____

Witness: _____ Date: _____

APPLICATOR WARRANTY FOR ROOFING

Whereas _____

of (Address) _____

herein called the "Roofing Contractor", has performed roofing, flashing and sheet metal and associated ("work") on following project:

Owner: _____

Address: _____

Name and Type of Building: _____

Address: _____

Area of Work: _____

Date of Acceptance: _____

Warranty Period: Two Years Date of Expiration: _____

The Roofing Contractor hereby certifies to the Owner as a Final Statement of Compliance that the finished roof membrane (and insulation) system was installed in compliance with the approved contract documents.

AND WHEREAS Roofing Contractor has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks, faulty or defective materials, roofing components deemed faulty or in disrepair, and workmanship for designated the Warranty Period.

NOW THEREFORE Roofing Contractor hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period they will at their own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work, and as are necessary to maintain said work in watertight condition.

This Warranty is made subject to the following terms and conditions.

1. Specifically excluded from this Warranty are damages to roofing work and other parts of the building, and to building contents, caused by: a) lightning, windstorm; b) fire; c) failure of roofing system substrate or structure (including cracking, settlement, excessive deflection, deterioration, and decomposition). When work has been damaged by any of the foregoing causes, Warranty shall be null and void until such damage has been repaired and until cost or repairs has been paid by the Owner or by another responsible party as so designated.

2. The Roofing Contractor is responsible for damage to work covered by this Warranty, including consequential damages to the building or building contents, resulting from leaks or faults or defects in the work.
3. The Owner shall promptly notify Roofing Contractor of observed, known or suspected leaks, defect, disrepair or deterioration. The Contractor shall guarantee to respond to all notifications within twenty-four (24) hours and to make all such repairs as deemed necessary to correct said leaks or defects to a satisfactory condition to the Owner. Repairs shall be made by workman in the current employment of the Contractor. Subcontracting of repair work is not permitted.
4. The definition of faulty roofing components or roofing in disrepair includes, but is not limited to the following:
 - A. Blisters in roofing.
 - B. Cracks or ridging in roofing membranes.
 - C. Delamination, shears or tears in membrane.
 - D. Defects in the quality of work or materials.
 - E. Leaks of any kind.
5. This Warranty for faulty or defective work is recognized to include all metal flashings and fabrications provided by the applicator, and their installation in connection with the work of this contract. Repairs will be made at no cost to the Owner of any flashing or fabrications which exhibit any kind of failure, such as cracked joints, disengagement, etc.
6. This Warranty is recognized to be the only warranty of the Roofing Contractor on said work, and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to him in cases of roofing failures. Specifically, this Warranty shall not operate to relieve Roofing Contractor of responsibility for performance of original work in accordance with requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

IN WITNESS THEREOF, this instrument has been duly executed this

_____ day of _____, 20_____.

Roofing Contractor Firm (SEAL)

Signature of Authorized Person Title

Witness



RPQ ADDENDUM

Addendum No.:	2	Date:	10/20/2020
Project No.:	X136A	Project Title:	MIA South Terminal Cc H Reroofing
RPQ No.:	X136A	RPQ Due Date:	11/13/2020
Project Location:	MIA South Terminal Cc H	Project Manager:	D. Marfisi

- Change Bid Due Date from Thursday, 10/22/2020 to Friday, 11/13/2020.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____



RPQ ADDENDUM

Addendum No.:	3	Date:	10/22/2020
Project No.:	X136A	Project Title:	MIA South Terminal Cc H Reroofing
RPQ No.:	X136A	RPQ Due Date:	11/13/2020
Project Location:	MIA South Terminal Cc H	Project Manager:	D. Marfisi

- Add the attached “Proposed Staging Areas for Addendum #3” to the bid documents.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____

**PROPOSED CONSTRUCTION SITE
(CCH MECHANICAL EQUIPMENT
ROOFTOP)**

Proposed Staging Areas for Addendum #3

STAGING AREA 2

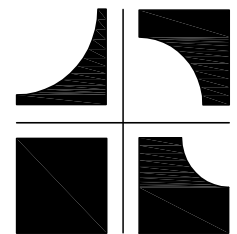


STAGING AREA - 1

STAGING AREAS LOCATION KEY PLAN
N.T.S.

NOTE:

Contractor employee parking will be inside the 22nd street Contractor lot at the corner. Contractor must submit dashboard permits for approval by Landside prior to the start of the project.



**NYARKO
ARCHITECTURAL
GROUP, INC.**

AA 002935
CHARLES O. NYARKO, AIA
AR 15759

SUITE 2
5931 N.W. 173 DRIVE
MIAMI, FL. 33015

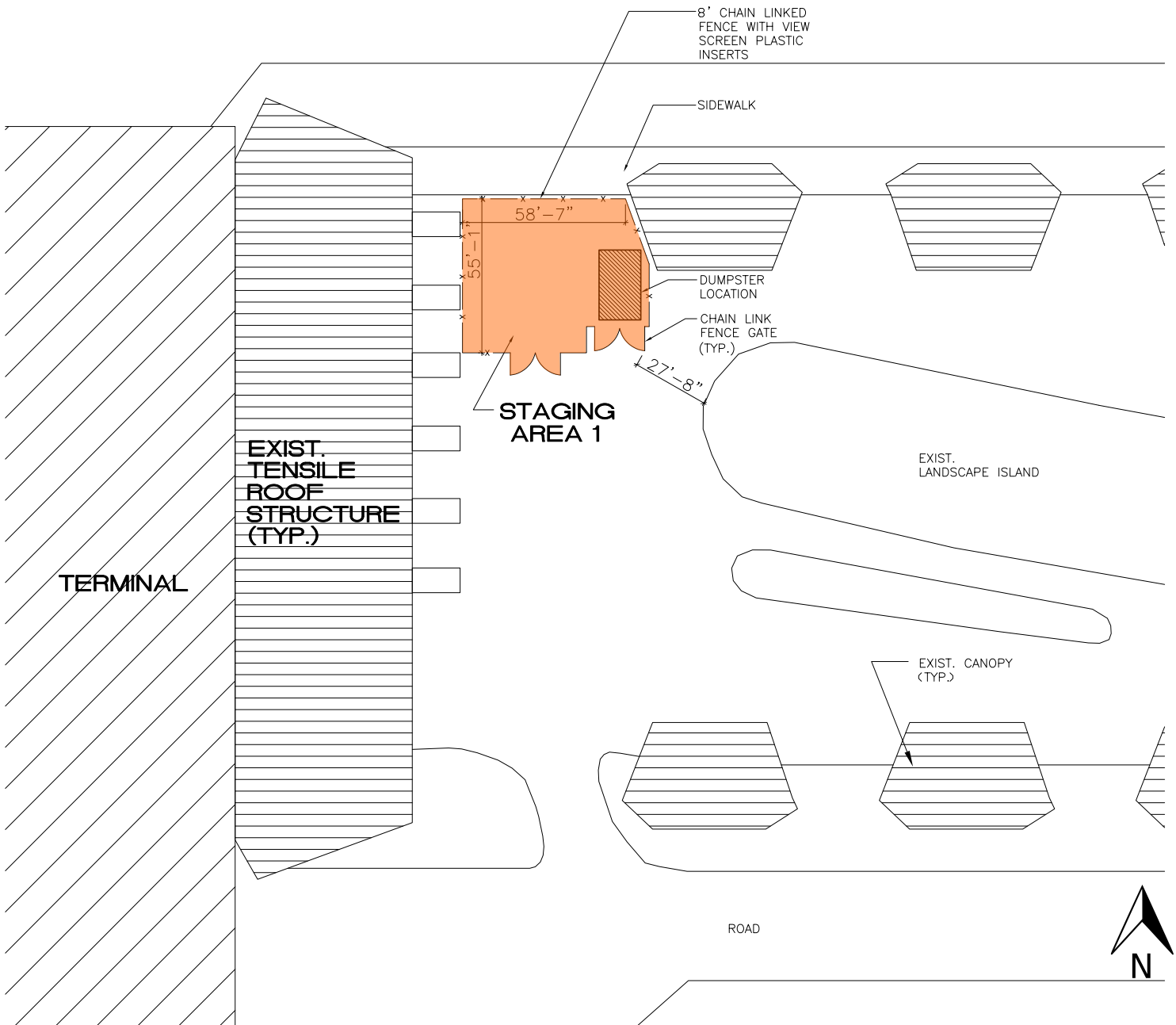
TEL. (305) 820-3555
FAX. (305) 820-3210

EMAIL:
cn@nyarkoarchitects.com

PROJECT NAME: MIA SOUTH TERMINAL CCH REROOFING	PHASE
PROJECT NUMBER: X136A	BIDDING - ADDENDUM #3
PROJECT ADDRESS: MIA Cch- 2100 NW 42ND AVENUE	
PROJECT OWNER: Miami-Dade Aviation Department	

ARRIVALS

Proposed Staging Areas for Addendum #3

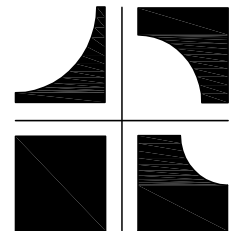


STAGING AREA - 1 LOCATION DETAIL PLAN

N.T.S.

STAGING AREA - 1 NOTE

- Picks and lifts shall be on Tuesday, Wednesday and Thursday mornings.
- Dumpster to be covered.
- Although this project is for one year, crane cannot be on site for that long. Provide rough estimate of duration.
- No contractor vehicles to park inside the South Bus Station unless previously approved by Landside
- MDFR must have access to the fire hydrant on the north side of staging area. Staging Areas shall not obstruct fire hydrant.



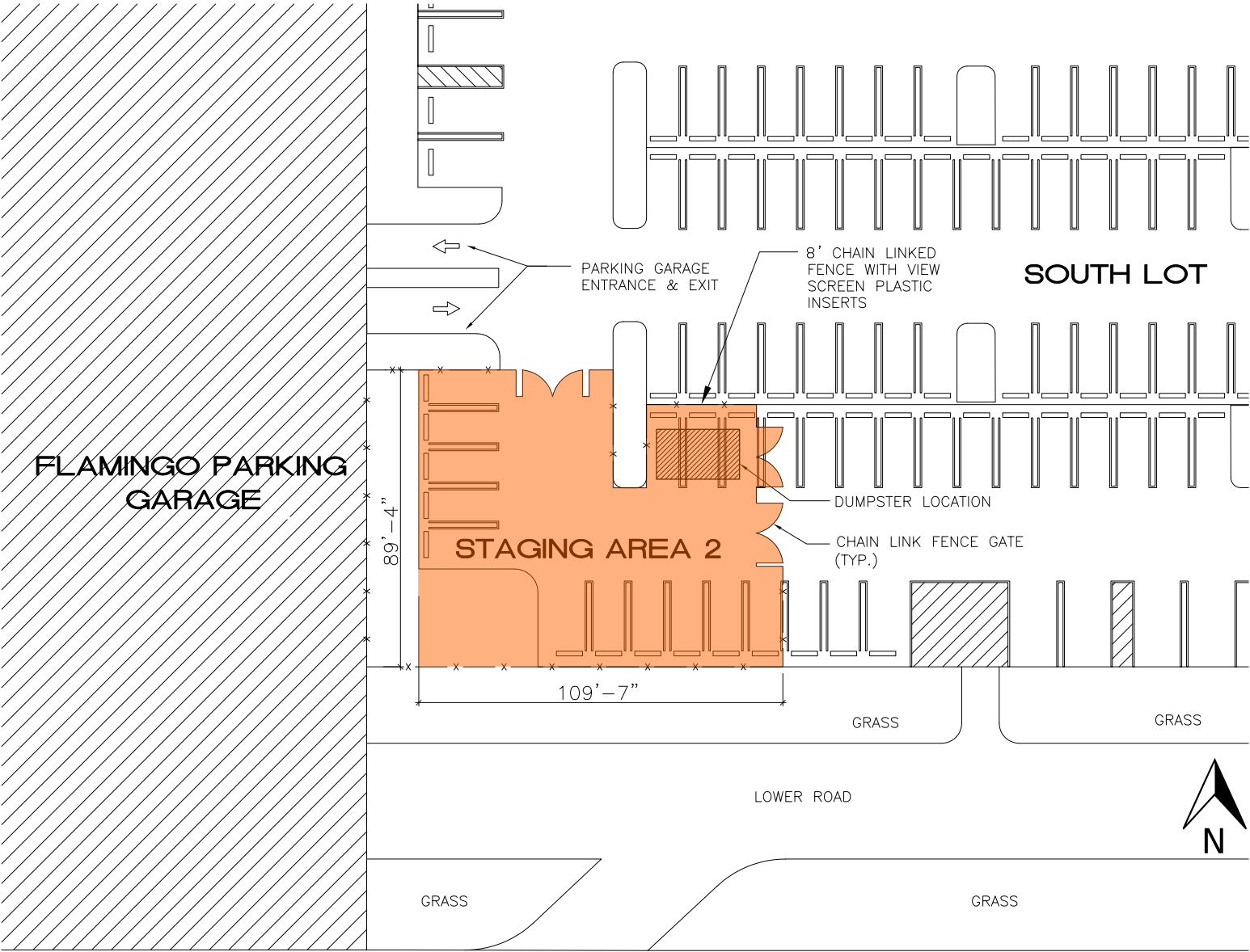
**NYARKO
ARCHITECTURAL
GROUP, INC.**

AA 002935
CHARLES O. NYARKO, AIA
AR 15759

SUITE 2
5931 N.W. 173 DRIVE
MIAMI, FL. 33015
TEL. (305) 820-3555
FAX. (305) 820-3210

EMAIL:
cn@nyarkoarchitects.com

PROJECT NAME: MIA SOUTH TERMINAL CCH REROOFING	PHASE
PROJECT NUMBER: X136A	BIDDING - ADDENDUM #3
PROJECT ADDRESS: MIA Cch- 2100 NW 42ND AVENUE	
PROJECT OWNER: Miami-Dade Aviation Department	



STAGING AREA - 2 LOCATION DETAIL PLAN

N.T.S.

STAGING AREA - 2 NOTE

- All lifts are night time events only and must be approved and coordinated with Landside Operations.
- Required to coordinate all activities w/ MDAD PM.
- Dumpster to be covered.
- No vehicles parked within staging area
- Contractor must submit a request for Contractor parking card to the Landside permit section.
- All lifts over roadways must require traffic to be stopped on both the lower and upper drives during the lift duration over the roadways.

NYARKO ARCHITECTURAL GROUP, INC.

AA 002935
CHARLES O. NYARKO, AIA
 AR 15759

SUITE 2
 5931 N.W. 173 DRIVE
 MIAMI, FL. 33015
 TEL. (305) 820-3555
 FAX. (305) 820-3210

EMAIL:
 cn@nyarkoarchitects.com

PROJECT NAME: MIA SOUTH TERMINAL CCH REROOFING	PHASE
PROJECT NUMBER: X136A	BIDDING - ADDENDUM #3
PROJECT ADDRESS: MIA Cch- 2100 NW 42ND AVENUE	
PROJECT OWNER: Miami-Dade Aviation Department	



Daniella Levine Cava, Mayor

Aviation
Maintenance Department
4200 NW 22 Street, Bldg 3030
Miami, FL 33159
305-876-7139

miamidade.gov

December 3, 2020

Antonio R. Rodriguez
CONSTRUCTION SERVICES INTERNATIONAL CORP. DBA CSI
CONSTRUCTION
7500 NW 69 Ave #R-4
MEDLEY, FL 33166

CERTIFIED MAIL No:
FACSIMILE: (305) 885-7933
TELEPHONE: (305) 418-0949

Re: Recommendation for Award for CICC 7040-0/07 Contract - RPQ NO: X136A
MIA South Terminal Cc H Reroofing
MIA South Terminal Cc H

Dear Antonio R. Rodriguez:

In accordance with Sections 2-8.3 and 2-8.4 of the Code of Miami-Dade County and Implementing Order 3-21, this letter serves to notify you and all bidders on this solicitation that your firm has been recommended for award of the referenced Request for Price Quotation (RPQ) based on the bid submitted on Friday, November 13, 2020. Pursuant to the referenced legislation, the three (3) day protest period shall commence upon the filing of this recommendation to award with the Clerk of the Board. This contract award will be effective only in accordance with the conditions of the solicitation, which requires execution by both parties of the Notice to Proceed (NTP).

The value of this award is \$3,026,800.00 and the UAP shall apply. This award amount includes the base bid amount of \$2,688,000.00 and a contingency amount of \$268,800.00 and a Dedicated amount of \$70,000.00. The contract term is 180 calendar days. The award is contingent upon the submission and approval of Insurance Certificates listing the required coverage for General Liability, Auto Liability (Owned, Non-owned and Hired Vehicles) and Workers Compensation as required by Florida Statute Chapter 440. Additional documents may be required as listed below:

MIA South Terminal Cc H Reroofing

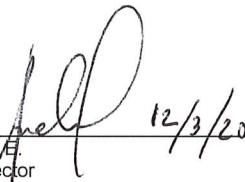
1. Copy of required licenses.
2. Fully executed and current Payment & Performance Bond Certificate.
3. ISO 14001: 2015 Awareness Self-Training Module certificates.
4. Certificates of insurance in accordance with the RPQ documents.
5. Workforce plan including Form RFTE-2, RFTE-3, and executed Job Clearing Affidavit for approval in writing by the SBD.
6. Copy of your firm's Safety Plan.
7. The OSHA Form 300 containing a list of the company's work-related injury and illness data for the previous three years.
8. OSHA inspection data for the previous three years.

The preceding Documents are required as outlined within the RPQ project specification and the MCC 7040 Plan. They must be submitted to the Aviation within 10 business days of receipt of this letter. In the event additional insurance is required, it also must be submitted within 10 business days. Failure to submit the documents within the specified time frame, or an extension approved by the County, will result in the award being rescinded.

Subsequent to the review and approval of the referenced documents, you are required to obtain the necessary permits in the time frame stipulated in the RPQ. Upon obtaining the permit(s), copies must be submitted to the Project Manager prior to commencement of work. No work is to be performed without a permit (if applicable). Following receipt of the permit(s), the Project Manager may schedule a pre-construction conference and issue a Notice to Proceed authorizing the performance of the work.

This letter shall also serve as a reminder that this contract is a Small Business Enterprise – Construction (SBE-Con) 100% set-aside. All construction work must be performed by contractors certified in accordance with Section 10-33.02 of the Code of Miami Dade County. The scope of work must be performed in accordance with the contract terms and conditions, all permits and inspections and in accordance with all applicable Federal, State and local laws, codes and regulations. Should you have any questions please contact David Marfisi, Project Manager, at 305-876-7139.

Sincerely,


Ana Finol, P.E.
Division Director

CC: Ralph Cutie MDAD, Ana Finol MDAD, Juan Paan MDAD, Silvia Perez MDAD,
Gary Hartfield ISD, Laurie Johnson ISD, Marcia Martin ISD, Yuleisy Hernandez MDAD,
Olga Valverde COB, David Marfisi MDAD, Michel Hernandez MDAD,
James P. Ferreira MDAD,
Construction Services International Corp. DBA CSI Construction



Daniella Levine Cava, Mayor

Aviation

Maintenance Department
4200 NW 22 Street, Bldg 3030
Miami, FL 33159

January 22, 2021

Antonio R. Rodriguez
CONSTRUCTION SERVICES INTERNATIONAL CORP. DBA CSI
CONSTRUCTION
7500 NW 69 Ave #R-4
MEDLEY, FL 33166

CERTIFIED MAIL No:
FACSIMILE: (305) 885-7933
TELEPHONE: (305) 418-0949

Re: Notice To Proceed for MCC 7040 Plan - RPQ NO: X136A
MIA South Terminal Cc H Reroofing
MIA South Terminal Cc H

Dear Antonio R. Rodriguez:

This letter will serve as your notification that you are to proceed with the work described in RPQ #X136A starting Monday, January 25, 2021, and that all work must be completed on schedule in accordance with the contract documents. The time allotted for the contract is 180 consecutive calendar days which results in a scheduled completion date of Saturday, July 24, 2021. **In the event the project is not completed by the scheduled completion date and a time extension has not been granted, your firm shall be subject to any liquidated and or stipulated damages as defined in the contract documents for this project.**

The ERP Finance System Purchase Order number is 0000052603.

The complete execution of this notice to proceed shall constitute a contract for the work described in the Request for Price Quotation (RPQ) under the MCC 7040 Plan. **Failure to properly execute and return this document within ten (10) calendar days of the date of this letter may result in the County rescinding the award to your firm and awarding the subject project to the next lowest responsive and responsible bidder.**

The terms and conditions applicable to this contract are in the 7040 Contract and 7040 Amendment #1, dated 10/18/2002 and 3/1/2005 respectively, and the totality of the contract documents (including but not limited to the RPQ including any special provisions contained therein, drawings and specifications, addenda, and any contract modifications or change orders etc).

This letter will also serve as a reminder that all work must be performed in accordance with the contract documents and in accordance with all applicable Federal, State and local laws, codes and regulations. In accordance with the contract procedure, the Miami-Dade County Purchase Order Release Number is POAV2100743.

Should you have any questions regarding this notification, please contact David Marfisi at 305-876-7139.

Sincerely,

JP
1/22/21

Ana Finol, P.E.
Division Director

CC: Ralph Cutie, MDAD; Sylvia Novela, MDAD; Juan Paan, MDAD;
Yuleisy Hernandez, MDAD; Silvia Perez, MDAD; James P. Ferreira, MDAD;
David Marfisi, MDAD; Michel Hernandez, MDAD; Laurie Johnson, ISD;
Marcia Martin, ISD; Dayron Perez, ISD; Olga Valverde, COB; Project File.