

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES
			1   3

2. AMENDMENT/MODIFICATION NO. W9127826RA012-0005	3. EFFECTIVE DATE 26 MAY 2026	4. REQUISITION/PURCHASE	5. PROJECT NO. (If applicable) MEF22007
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6. ISSUED BY CODE	7. ADMINISTERED BY (If other than item 6) CODE
Corps of Engineers 100 Canal Street Mobile, AL 36602	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code)	<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. W9127826RA012 9B. DATED (SEE ITEM 11) 16 MARCH 2026
	<input type="checkbox"/> 10A. MODIFICATION OF CONTRACT/ORDER NO. 10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers  is extended,  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(if required)*

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b)
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)

The subject solicitation for: **LRSO HARDWARE SOFTWARE DEVELOPMENT FACILITY  
EGLIN AIR FORCE BASE, FLORIDA**

Is modified in the following: **REFER TO THE ENCLOSED REVISED SPECIFICATIONS FOR AMENDMENT NO. 0005**

NOTE: THE RECEIPT OF PROPOSAL DATE IS HEREBY REVISED BY THIS AMENDMENT. REFER TO THE ENCLOSED SF1442, SOLICITATION, OFFER & AWARD FORM.

Except as provided herein, all terms and conditions of the document reference in item 9A or 10A, as Heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICE (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA BY
_____ (Signature of person authorized to sign)	_____ (Signature of contracting officer)
15C. DATE SIGNED	16C. DATE SIGNED
_____	_____

**PART I - REVISIONS MADE BY ADDED AND/OR REPLACEMENT PARAGRAPHS/PAGES/SECTIONS**

The items listed below are to be replaced by the corresponding added and/or revised paragraphs/pages or sections. Added and/or revised paragraphs/pages or sections are indicated by a note in bottom right-hand corner of each paragraph or page. Added sections are hereby made a part of the contract and are to be inserted in the specification in the proper numerical/alphabetical sequence.

Within the specifications, deletions from the specifications are indicated by strikethrough, e.g.: ~~deletions are marked with strikethrough~~ and additions to the specifications including revisions/substitutions are indicated in bold, italic and underlined, e.g.: ***additions are indicated thus.***

<u>SECTION</u>	<u>Corresponding Added or Revised Paragraph Page, and/or Section</u>
<b><u>Volume 1</u></b>	
Table of Contents	Revised Page 1 as indicated herein.
Standard Form 1442	Revised block 13.a as indicated herein.
Explanation of Bid Items	Revised Bid Option No. 2, Bid Item No. 7 as indicated herein.
<b><u>Volume 2</u></b>	
Table of Contents	Revised Page 1 as indicated herein.
08 81 00	Revised Paragraphs 1.1, and 2.3 as indicated herein.
<b><u>Volume 3</u></b>	
Table of Contents	Revised Page 1 as indicated herein.
<b><u>Volume 4</u></b>	
Table of Contents	Revised Page 1 as indicated herein.

**PART II - REVISIONS MADE BY DELETED PAGES/SECTIONS**

The pages and/or sections listed below are to be deleted from the specifications by the bidders and marked "DELETED":

STANDARD FORM LLL Deleted in its entirety.

**PART III** - NOTE: Revised, replacement and added drawings are listed below. These revised, replacement and added drawings are to be inserted into the folio in the proper numerical sequence. Drawings that have been revised or replaced by this amendment shall be deleted from the folio. All drawings listed below are revised unless indicated otherwise.

<u>Sheet</u> <u>Reference</u> <u>Number</u>	<u>Title</u>
G-001	COVER SHEET
A-102	OVERALL SECURE PERIMETER PLAN

Encl as stated:

Revised pages of the specifications as indicated in Part I.  
Deleted pages of the specifications as indicated in Part II.  
2 Revised drawings as indicated in Part III.

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<b>SOLICITATION, OFFER AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>		1. SOLICITATION NUMBER <b>W9127826RA012</b>	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) INVITATION FOR BID <input checked="" type="checkbox"/> NEGOTIATED (RFP) REQUEST FOR PROPOSAL	3. DATE ISSUED <b>16 MAR 2026</b>	PAGE OF PAGES <b>1 2</b>
<b>IMPORTANT</b> - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NO.		5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NUMBER <b>MEF22007</b>		
7. ISSUED BY U.S. ARMY ENGINEER DISTRICT, MOBILE CONTRACTING DIVISION (CESAM-CT) 100 CANAL STREET MOBILE, AL 36628-0001		CODE <b>CT</b>	8. ADDRESS OFFER TO <b>SAME AS BLOCK 7</b>		
9. FOR INFORMATION CALL: ▶		a. NAME <b>Justin Tarver / Stephanie Scalise</b>	b. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) <b>(251) 234-5141 / (251) 690-2479</b>		

**SOLICITATION**

**NOTE:** In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

**LRSO HARDWARE SOFTWARE DEVELOPMENT FACILITY, EGLIN AIR FORCE BASE, FLORIDA**

\* See Section 01 00 00, Paragraph "COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK".

\*\*Block 13A. Offeror shall submit their proposal through PIEE.

11. The contractor shall begin performance within 8 calendar days and complete it within \* calendar days after receiving  award,  notice to proceed. This performance period is  mandatory,  negotiable. (See \_\_\_\_\_.)

12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicates within how many calendar days after award in Item 12b.)  <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS  <b>10</b>
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13. ADDITIONAL SOLICITATION REQUIREMENTS:

a. Sealed offers in original and \*\* copies to perform the work required are due at the place specified in Item 8 by 1400 (hour) local time ~~04 JUNE 27-22 MAY 2026~~ (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

b. An offer guarantee  is,  is not required.

c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

d. Offers providing less than 120 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

**OFFER (Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NO. (Include area code)
		16. REMITTANCE ADDRESS (Include only if different than Item 14.)
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within \_\_\_\_\_ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS 

18. The offeror agrees to furnish any required performance and payment bonds.

**19. ACKNOWLEDGMENT OF AMENDMENTS**


(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NUMBER										
DATE										

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE
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**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA	
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) 	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 3204(a) ( ) <input type="checkbox"/> 41 U.S.C. 3304(a) ( )
26. ADMINISTERED BY CODE		27. PAYMENT WILL BE MADE BY

**CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.		
30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31a. NAME OF CONTRACTING OFFICER (Type or print)		
30b. SIGNATURE	30c. DATE	31b. UNITED STATES OF AMERICA BY	31c. AWARD DATE

**STANDARD FORM 1442 (REV12/2022) BACK**

**EXPLANATION OF BID ITEMS**

**GENERAL:** This section comprises an explanation of the bid items identified in the bid schedule. This section is a general scope of work for the bid items described in the bid schedule and is not intended to be all encompassing in the descriptions. All work specified herein shall be accomplished in accordance with the procedures prescribed in the technical provisions of the specifications and the plans/details as shown on the contract drawings. The Contractor shall bid each type of work under the applicable bid item. Measurement for payment will not be made. Payment described for the various bid items will be full compensation for all labor, materials, and equipment required to complete the work. Compensation for any item of work described in the contract but not listed in the bid schedule shall be included in the payment for the item of work to which it is made subsidiary.

**BASE BID**

BID ITEM NO. 1: LRSO Hardware/Software Facility

Includes all costs for labor, materials, equipment, special inspection services, etc., and all other items necessary and incidental to the complete construction of the Long-Range Standoff (LRSO) Hardware/Software Facility, Eglin AFB, Florida, in general accordance with the drawings and project specifications.

BID ITEM NO. 2: Construction of Site Work

Includes all costs for labor, materials, equipment, etc., and all other items necessary and incidental to the preparation and completion of all sitework for the Long-Range Standoff (LRSO) facility, Eglin AFB, Florida, in general accordance with the drawings and project specifications. Item includes all clearing, removals, earthwork, gravel roads, drainage, sidewalks, fencing, and other site improvements, erosion control, water service, septic sewer system, other utilities, and the Long-Range Standoff (LRSO) Hardware/Software Facility as described herein and indicated on the drawings and any other work not specifically named but identified on the drawings or specifications.

BID ITEM NO. 3: CHELCO (Privatized Electrical Utility) Site Electrical Work

Payment shall constitute full compensation for a set payment to CHELCO for the Privatized Electrical Utility work for the exterior primary power related work as defined in the solicitation drawings and specifications, to include providing and installing medium voltage cable, terminations, conduit, and all related clearing and grubbing to the proposed work. All erosion control measures, and finish grading of the site impacted by utility installation will be completed by the Contractor. Contractor to coordinate with CHELCO to schedule the installation of this work to be completed within the required Construction Completion duration.

BID ITEM NO. 4: ASUS (Privatized Water Utility) Water and Wastewater Work

Payment shall constitute full compensation for a set payment to ASUS for the Privatized Water Utility work for the water and wastewater related work as defined in the solicitation drawings and specifications, to include domestic water distribution and appurtenances and sanitary sewer from the building connection to the upstream side of the existing sanitary system connection point. All erosion control measures, and finish grading of the site impacted by utility installation will be completed by the Contractor. Contractor to coordinate with ASUS to schedule the installation of this work to be completed within the required Construction Completion duration.

BID ITEM NO. 5: Fire Pump and Fire Pump Enclosure

Includes all costs for labor, materials, equipment, special inspection services, etc., and all other items necessary and incidental to the complete installation of a fire pump and packaged fire pump house for the Long-Range Standoff (LRSO) Hardware/Software Facility, Eglin AFB, Florida, in general accordance with the drawings and project specifications.

**BID OPTIONS**

BID OPTION NO. 1

BID ITEM NO. 6: Furniture, Fixtures, and Equipment (FF&E)

Work under this item includes all the labor, material and equipment, necessary and incidental to the Furniture, Fixtures, and Equipment Package for the Long-Range Standoff (LRSO) Hardware/Software Facility Eglin AFB, Florida. Item includes all furniture, fixtures, equipment, etc. as described herein and indicated on the criteria drawings and any other associated improvements not specifically named but identified on the criteria drawings or specifications. The Long-Range Standoff (LRSO) Facility, Eglin AFB, Florida, is in general accordance with the criteria drawings and project specifications.

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BID OPTION NO. 2

BID ITEM NO. 7: Uninterrupted Power Systems (UPS)

Work under this item includes all the labor, material and equipment, necessary and incidental to the Uninterruptible Power Supply (UPS) Equipment for the Long-Range Standoff (LRSO) Hardware/Software Facility Eglin AFB, Florida. Item includes all UPS equipment as described herein and indicated on the criteria drawings and any other associated improvements not specifically named but identified on the criteria drawings or specifications. **The infrastructure for the UPS equipment, including but not limited to rough-in and wiring, is included as part of the base bid.** The Long-Range Standoff (LRSO) Facility, Eglin AFB, Florida, is in general accordance with the criteria drawings and project specifications.

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Amendment 0005

SECTION 08 81 00

GLAZING  
05/19

PART 1 GENERAL

Amendment 0005

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1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)

AAMA 800 (2016) Voluntary Specifications and Test Methods for Sealants

ASTM INTERNATIONAL (ASTM)

ASTM C509 (2006; R 2021) Standard Specification for Elastomeric Cellular Preformed Gasket and Sealing Material

ASTM C920 (2018) Standard Specification for Elastomeric Joint Sealants

ASTM C1021 (2008; R 2014) Standard Practice for Laboratories Engaged in Testing of Building Sealants

ASTM C1036 (2021) Standard Specification for Flat Glass

ASTM C1048 (2018) Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass

ASTM C1087 (2016) Standard Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems

ASTM C1281 (2016) Standard Specification for Preformed Tape Sealants for Glazing Applications

ASTM D395 (2016; E 2017) Standard Test Methods for Rubber Property - Compression Set

ASTM D2287 (2019) Nonrigid Vinyl Chloride Polymer and Copolymer Molding and Extrusion Compounds

**ASTM E90** **(2009; R2016) Standard Test Method for Laboratory Measurement of Airborne Sound**

Transmission Loss of Building Partitions  
and Elements

ASTM E413

(2022) Classification for Rating Sound  
Insulation

ASTM E2190

(2010) Standard Specification for  
Insulating Glass Unit Performance and  
Evaluation

GLASS ASSOCIATION OF NORTH AMERICA (GANA)

GANA Glazing Manual

(2008) Glazing Manual

GANA Sealant Manual

(2008) Sealant Manual

INSULATING GLASS MANUFACTURERS ALLIANCE (IGMA)

IGMA TB-1200

(1983; R 2016) Guidelines for Insulating  
Glass Dimensional Tolerances

IGMA TB-3001

(2001) Guidelines for Sloped Glazing

IGMA TM-3000

(1990; R 2016) North American Glazing  
Guidelines for Sealed Insulating Glass  
Units for Commercial & Residential Use

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

16 CFR 1201

Safety Standard for Architectural Glazing  
Materials

\*\*\*\*\*  
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1.2 SUBMITTALS

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government. Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-03 Product Data

Insulating Glass

Sealants

SD-04 Samples

Insulating Glass

Glazing Compound

Glazing Tape

Sealing Tapes

SD-07 Certificates

Insulating Glass

SD-08 Manufacturer's Instructions

Setting and Sealing Materials

Glass Setting

SD-11 Closeout Submittals

Warranty for Insulated Glass Units

1.3 QUALITY CONTROL

Submit two 8 by 10 inch samples of each of the following: insulating glass units.

Submit three samples of each other material.

1.4 DELIVERY, STORAGE, AND HANDLING

Deliver products to the site in unopened containers, labeled plainly with manufacturers' names and brands. Store glass and setting materials in safe, enclosed dry locations and do not unpack until needed for installation. Handle and install materials in a manner that will protect them from damage.

1.5 ENVIRONMENTAL REQUIREMENTS

Do not start glazing work until the outdoor temperature is above 40 degrees F and rising, unless procedures recommended by the glass manufacturer and approved by the Contracting Officer are made to warm the glass and rabbet surfaces. Provide ventilation to prevent condensation of moisture on glazing work during installation. Do not perform glazing work during damp or rainy weather.

1.6 WARRANTY

1.6.1 Warranty for Insulated Glass Units

Warranty insulating glass units against development of material obstruction to vision (such as dust, fogging, or film formation on the inner glass surfaces) caused by failure of the hermetic seal, other than through glass breakage, for a 10-year period following acceptance of the work. Provide new units for any units failing to comply with terms of this warranty within 45 working days after receipt of notice from the Government.

PART 2 PRODUCTS

2.1 PRODUCT SUSTAINABILITY CRITERIA

2.2 GLASS

ASTM C1036, unless specified otherwise. In doors and sidelights, provide safety glazing material conforming to 16 CFR 1201.

2.2.1 Heat-Strengthened Glass

ASTM C1048, Kind HS (heat strengthened), Condition A (uncoated), Type I, Class 1 (clear), Quality q3, 6.0mm each glass lite thick.

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2.3 INSULATING GLASS UNITS

Two panes of glass separated by a dehydrated airspace, filled with argon gas and hermetically sealed, conforming to ASTM E2190. Submit performance and compliance documentation for each type of insulating glass.

**Glazed panels must be rated for not less than 50 Sound Transmission Class (STC) when tested from laboratory sound transmission loss according to ASTM E90 and determined by ASTM E413.**

Dimensional tolerances must be as specified in IGMA TB-1200. Spacer must be black, roll-formed, steel-reinforced butyl rubber, with bent or tightly welded or keyed and sealed joints to completely seal the spacer periphery and eliminate moisture and hydrocarbon vapor transmission into airspace through the corners. Primary seal must be compressed polyisobutylene and the secondary seal must be a specially formulated silicone.

Both lights must be ASTM C 1048: Type 1, Class 1(clear), Quality Q3, 6.0mm thick.

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2.4 SETTING AND SEALING MATERIALS

Provide as specified in the GANA Glazing Manual, IGMA TM-3000, IGMA TB-3001, and manufacturer's recommendations, unless specified otherwise herein. Do not use metal sash putty, nonskinning compounds, nonresilient preformed sealers, or impregnated preformed gaskets. Materials exposed to view and unpainted must be gray or neutral color. Sealant testing must be performed by a testing agency qualified according to ASTM C1021.

Submit glass manufacturer's recommendations for setting and sealing materials and for installation of each type of glazing material specified.

2.4.1 Putty and Glazing Compound

Provide glazing compound as recommended by manufacturer for face-glazing metal sash. Putty must be linseed oil type. Do not use putty and glazing compounds with insulating glass or laminated glass.

2.4.2 Glazing Compound

Use for face glazing metal sash. Do not use with insulating glass units or laminated glass.

2.4.3 Sealants

Provide elastomeric sealants.

#### 2.4.3.1 Elastomeric Sealant

ASTM C920, Type S, Grade NS, Class 12.5, Use G. Use for channel or stop glazing metal sash. Sealants must be chemically compatible with setting blocks, edge blocks, and sealing tapes. Color of sealant must be white.

#### 2.4.4 Glazing Tapes

##### 2.4.4.1 Back-Bedding Mastic Glazing Tapes

Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:

- a. AAMA 804.3 tape, where indicated.
- b. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
- c. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

##### 2.4.4.2 Expanded Cellular Glazing Tapes

Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:

- a. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
- b. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

#### 2.4.5 Sealing Tapes

Preformed, semisolid, PVC-based material of proper size and compressibility for the particular condition, complying with ASTM D2287. Use only where glazing rabbet is designed for tape and tape is recommended by the glass or sealant manufacturer. Provide spacer shims for use with compressible tapes. Tapes must be chemically compatible with the product being set.

#### 2.4.6 Setting Blocks and Edge Blocks

Closed-cell neoprene setting blocks must be dense extruded type conforming to ASTM C509 and ASTM D395, Method B, Shore A durometer between 70 and 90. Edge blocking must be Shore A durometer of 50 (plus or minus 5). Provide silicone setting blocks when blocks are in contact with silicone sealant. Profiles, lengths and locations must be as required and recommended in writing by glass manufacturer. Block color must be black.

#### 2.4.7 Glazing Gaskets

Glazing gaskets must be extruded with continuous integral locking projection designed to engage into metal glass holding members to provide a watertight seal during dynamic loading, building movements and thermal movements. Glazing gaskets for a single glazed opening must be continuous

one-piece units with factory-fabricated injection-molded corners free of flashing and burrs. Glazing gaskets must be in lengths or units recommended by manufacturer to ensure against pull-back at corners. Provide glazing gasket profiles as recommended by the manufacturer for the intended application.

#### 2.4.7.1 Fixed Glazing Gaskets

Fixed glazing gaskets must be closed-cell (sponge) smooth extruded compression gaskets of cured elastomeric virgin neoprene compounds conforming to ASTM C509, Type 2, Option 1.

#### 2.4.8 Accessories

Provide as required for a complete installation, including glazing points, clips, shims, angles, beads, and spacer strips. Provide noncorroding metal accessories. Provide primer-sealers and cleaners as recommended by the glass and sealant manufacturers. Use ASTM C1087 to determine whether priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to surface.

### PART 3 EXECUTION

Any materials that show visual evidence of biological growth due to the presence of moisture must not be installed on the building project.

#### 3.1 PREPARATION

Preparation, unless otherwise specified or approved, must conform to applicable recommendations in the GANA Glazing Manual, GANA Sealant Manual, IGMA TB-3001, IGMA TM-3000, and manufacturer's recommendations. Determine the sizes to provide the required edge clearances by measuring the actual opening to receive the glass. Grind smooth in the shop glass edges that will be exposed in finish work. Leave labels in place until the installation is approved, except remove applied labels on heat-absorbing glass and on insulating glass units as soon as glass is installed. Securely fix movable items or keep in a closed and locked position until glazing compound has thoroughly set.

#### 3.2 GLASS SETTING

Shop glaze or field glaze items to be glazed using glass of the quality and thickness specified or indicated. Glazing, unless otherwise specified or approved, must conform to applicable recommendations in the GANA Glazing Manual, GANA Sealant Manual, IGMA TB-3001, IGMA TM-3000, and manufacturer's recommendations. Aluminum windows, wood doors, and wood windows may be glazed in conformance with one of the glazing methods described in the standards under which they are produced, except that face puttying with no bedding will not be permitted. Handle and install glazing materials in accordance with manufacturer's instructions. Use beads or stops which are furnished with items to be glazed to secure the glass in place. Verify products are properly installed, connected, and adjusted.

##### 3.2.1 Sheet Glass

Cut and set with the visible lines or waves horizontal.

### 3.2.2 Insulating Glass Units

Do not grind, nip, or cut edges or corners of units after the units have left the factory. Springing, forcing, or twisting of units during setting will not be permitted. Handle units so as not to strike frames or other objects. Installation must conform to applicable recommendations of IGMA TB-3001 and IGMA TM-3000.

### 3.3 CLEANING

Clean glass surfaces and remove labels, paint spots, putty, and other defacement as required to prevent staining. Glass must be clean at the time the work is accepted.

### 3.4 PROTECTION

Protect glass work immediately after installation. Identify glazed openings with suitable warning tapes, cloth or paper flags, attached with non-staining adhesives. Protect reflective glass with a protective material to eliminate any contamination of the reflective coating. Place protective material far enough away from the coated glass to allow air to circulate to reduce heat buildup and moisture accumulation on the glass. Upon removal, separate protective materials for reuse or recycling. Remove and replace glass units which are broken, chipped, cracked, abraded, or otherwise damaged during construction activities with new units.

-- End of Section --