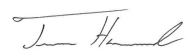
	<b>Lancaster County School District</b>  <b>Amendment #2</b>	Solicitation Number	202501	
		Solicitation Issue Date	07/30/24	
		Amendment Issue Date	8/19/24	
		Procurement Officer	Trevor Hammond, NIGP-CPP, CPPB (803) 416-8828	
		E-Mail Address	<a href="mailto:trevor.hammond@lcsd.k12.sc.us">trevor.hammond@lcsd.k12.sc.us</a>	

DESCRIPTION: **Greenhouse for Career Center**

*The Term "Offer" Means Your "Bid" or "Proposal".*

SUBMIT OFFER BY (Opening Date/Time): **08/22/24 at 10:00 AM – EST**

See "Deadline for Submission of Offer" provision

QUESTIONS MUST BE RECEIVED BY: **08/12/2024 at 10:00 AM - EST**

See "Questions from Offerors" provision

NUMBER OF COPIES TO BE SUBMITTED: **One (1) original**

Offers must be submitted in a SEALED PACKAGE. Solicitation Number & Opening Date must appear on package exterior.

**SUBMIT YOUR OFFER TO THE FOLLOWING ADDRESS:**

<b>PHYSICAL &amp; MAILING ADDRESS:</b>  Lancaster County School District Attn: Trevor Hammond, Procurement Director 300 South Catawba Street Lancaster, SC 29720 <small>See "Submitting Your Offer" provision</small>
---

CONFERENCE TYPE: **Non-Mandatory Pre-Bid**

DATE & TIME: 08/07/24 @ 2:00 PM

LOCATION: **Lancaster County School District Career Center, 625 Normandy Road, Lancaster, SC 29720**

(As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions)

AWARD &  
AMENDMENTS

Notice of Intent to Award will be posted on or about 08/23/2024 at the physical address stated above and at the following web address: <https://sites.google.com/lcsd.k12.sc.us/lcsd-procurement/solicitations-awards>.

You must submit a signed copy of this form with your offer. By submitting a bid or proposal, you agree to be bound by the terms of the solicitation. You agree to hold your offer open for a minimum of sixty (60) calendar days after the opening date.

NAME OF OFFEROR <small>(Full legal name of business submitting the offer)</small>		OFFEROR'S TYPE OF ENTITY: (Choose one) <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporate entity (not tax-exempt) <input type="checkbox"/> Tax exempt corporate entity <input type="checkbox"/> Government entity (federal, state, or local) <input type="checkbox"/> Other _____ <small>(See "Signing your Offer" provision)</small>
AUTHORIZED SIGNATURE  <small>(Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)</small>		
TITLE <small>(Business title of person signing above)</small>		
PRINTED NAME <small>(Printed name of person signing above)</small>	DATE SIGNED	

Instructions regarding Offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

STATE OF INCORPORATION (If offeror is a corporation, identify the State of Incorporation.)

TAXPAYER IDENTIFICATION NO. (See "Taxpayer Identification Number" provision)

**PAGE TWO**

**(Return Page Two with Your Offer)**

<b>HOME OFFICE ADDRESS</b> (Address for offeror's home office / principal place of business)	<b>NOTICE ADDRESS</b> (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)
	Area Code - Number - Extension                      Facsimile
	E-mail Address

<b>PAYMENT ADDRESS</b> (Address to which payments will be sent.) (See "Payment" clause)	<b>ORDER ADDRESS</b> (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)
___ Payment Address same as Home Office Address ___ Payment Address same as Notice Address <b>(check only one)</b>	___ Order Address same as Home Office Address ___ Order Address same as Notice Address <b>(check only one)</b>

**ACKNOWLEDGMENT OF AMENDMENTS**  
 Offeror acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)

Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date

<b>DISCOUNT FOR PROMPT PAYMENT</b> (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	___ Calendar Days (%)
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Minority Participation: Are you a SC Certified Minority Vendor: Yes  No ; If yes, SC Certification # \_\_\_\_\_  
 Are you a Non SC Certified Minority Vendor - Yes  No

Preferences do not apply per LCSD Procurement Code Section 1524.Resendent Vendor Preference (S.C. Code 11-35-1524(E)(5))

Preferences do not apply per LCSD Procurement Code Section 1524.Resendent Vendor Preference (S.C. Code 11-35-1524(E)(5))

*Effective this date, this amendment forms part of the contract documents and modifies the original IFB.*

**Item #1:** Stuppy Greenhouse has been approved as an additional acceptable manufacturer.

**Item #2:** Please review all other revisions stated in the Architect's Addendum which is attached.

***All other requirements of the solicitation remain unchanged.***

**ADDENDUM NO. 2**

Date of Addendum: August 19, 2024

Project Name: LCSO Career Center Greenhouse

**1.1 PROJECT INFORMATION**

- A. Owner: Lancaster County School District
- B. Architect: LS3P Associates LTD
- C. Architect Project Number: 2201-240266

**1.2 NOTICE TO BIDDERS**

- A. This Addendum is issued all Bidders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual and Drawings. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.
  - 1. Bid Date: August 22, 2024, at 10:00 a.m. (local time) at the District Office, 300 S Catawba Street, Lancaster, SC 29720.

**1.3 ATTACHMENTS**

- A. This Addendum includes the following attached Documents and Specification Sections:
  - 1. SECTION 133413 - PRE-ENGINEERED GREENHOUSE STRUCTURES, dated August 19, 2024, (revised).

**1.4 REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS**

- A. SECTION 133413 - PRE-ENGINEERED GREENHOUSE STRUCTURES, (revised). Include revised section attached section in Division 13.

**1.5 ADDITIONAL ACCEPTABLE MANUFACTURERS**

- A. The following is a list of manufacturers that have been approved for this Project, providing they can comply with the Specifications and are of equal or greater quality, and function and perform like the specified products. Inclusion to the list of acceptable manufacturers does not eliminate the necessity to comply with specifications. Non-compliant manufacturers and products will be rejected regardless of manufacturer being listed.
- B. SECTION 133413 - PRE-ENGINEERED GREENHOUSE STRUCTURES:

- C. Pre-engineered greenhouse: Stuppy Greenhouse

END OF ADDENDUM NO 2

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## SECTION 133413 – PRE-ENGINEERED GREENHOUSE STRUCTURES

## PART 1 - GENERAL

## 1.1 SUMMARY

## A. Section Includes:

1. Pre-engineered Greenhouse Structures.
2. Accessories.

## 1.2 REFERENCES

## A. American Welding Society (AWS): Structural Welding Code. B.

## B. ASTM International (ASTM):

1. ASTM A500 – Cold formed Welded and Seamless Carbon Steel Structural Tubing.
2. ASTM E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

## C. Fenestration and Glazing Industry Alliance (FGIA):

1. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems.
2. AAMA 1503 - Voluntary Test Method For Thermal Transmittance And Condensation Resistance Of Windows, Doors, And Glazed Wall Sections.

## D. National Accreditation and Management Institute, Inc. (NAMI).

## E. National Greenhouse Manufacturer's Association (NGMA).

## 1.3 SUBMITTALS

## A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

## B. Product Data:

1. Manufacturer's data sheets on each product to be used.
2. Preparation instructions and recommendations.
3. Storage and handling requirements and recommendations.
4. Typical installation methods.

## C. Selection Samples: Two complete color chip sets representing manufacturer's full range of stocked colors with a standard size of 2 x 3 inches (50 x 75 mm).

## D. Shop Drawings: Detailed drawings prepared specifically for the project by manufacturer. Include information not fully detailed in manufacturer's standard product data, including, but not limited to wall elevations and detail sections of every typical composite member.

1. Show opening dimensions, framed opening tolerances, profiles, product components, anchorages, and accessories.
2. Include details of materials, construction, finish, fastener locations, glazing, hardware arrangements and relationship with adjacent construction.

3. Include schedule identifying each unit, with marks or numbers referencing Drawings.
4. Show surrounding substrates and relevant conditions.

E. Maintenance Manuals: Manufacturer's maintenance manuals.

F. Warranty: Manufacturer's warranty online registry.

#### 1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project Site.

1. Review methods and procedures related to greenhouse building systems including, but not limited to, the following:
  - a. Condition of foundations and other preparatory work performed by other trades.
  - b. Structural load limitations.
  - c. Construction schedule. Verify availability of materials and erector's personnel, equipment, and facilities needed to make progress and avoid delays.
  - d. Required tests, inspections, and certifications.
  - e. Unfavorable weather and forecasted weather conditions and impact on construction schedule.

B. Door Schedule: For doors and frames. Use same designations indicated on Drawings. Include details of reinforcement.

1. Door Hardware Schedule: Include details of fabrication and assembly of door hardware. Organize schedule into door hardware sets indicating complete designations of every item required for each door or opening.
2. Keying Schedule: Detail Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations.

C. Delegated Design Submittals: For greenhouse building systems.

1. Include analysis data indicating compliance with performance requirements and design data signed and sealed by the qualified professional engineer responsible for their preparation.

#### 1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For erector.

B. Erector Certificates: For qualified erector, from manufacturer.

C. Material Test Reports: For each of the following products:

1. Structural steel including chemical and physical properties.
2. Bolts, nuts, and washers including mechanical properties and chemical analysis.
3. Tension-control, high-strength, bolt-nut-washer assemblies.
4. Shop primers.
5. Nonshrink grout.

D. Source quality-control reports.

E. Field quality-control reports.

F. Surveys: Show final elevations and locations of major members. Indicate discrepancies between actual installation and the Contract Documents. Have surveyor who performed surveys certify their accuracy.



- G. Sample Warranties: For special warranties.

## 1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For greenhouse to include in maintenance manuals.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle in strict compliance with manufacturer's written instructions and recommendations. Store products in manufacturer's original unopened packaging, covered to protect factory finishes from damage, precipitation, and construction dirt until ready for installation. Store materials off construction grounds in a secure location that is a dry.
- B. Unload, store, and erect panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store panels to ensure dryness, with positive slope for drainage of water. Do not store panels in contact with other materials that might cause staining, denting, or other surface damage.

## 1.8 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard limited warranty against defects in materials and workmanship.
- B. Warranty Period for Pre-Engineered Greenhouse Structures: 10 year for cases of normal use.
  - 1. Warranty for Frame Finish:
    - a. Anodized Finishes: Provide a warranty of 5 years.
    - b. Stock Color AAMA 2605 Finishes: 2-3 coats powder or liquid dependent on color and/or application, provide paint manufacturer's warranty for color and film integrity for at least 15 years from date of application.
    - c. Custom Color AAMA 2605 Finishes: 2-3 coats powder or liquid dependent on color and/or application, provide paint manufacturer's warranty for color and film integrity for at least 15 years from date of application.
    - d. Stock Color AAMA 2604 Finishes: 2 coats powder or liquid, provide warranty for color and film integrity for 10 years from date of application.
    - e. Custom Color AAMA 2604 Finishes: 2 coats powder or liquid, provide paint manufacturer's warranty for cracking and pulling integrity for 10 years from date of application.
    - f. Custom AAMA 2603 Finishes: 1 coat liquid only, thermosetting acrylic resin finishes, provide warranty for cracking and pulling integrity for 5 years from date of application.
    - g. Stock Color AAMA 2603 Finishes: 1 coat liquid only, provide paint manufacturer's warranty for cracking and pulling integrity for at least 5 years from date of application.
  - 2. Warranty for Glazing: Provide glazing manufacturer's standard warranty against defective materials, delamination, seal failure, and defects in manufacturing for up to 20 years.
  - 3.

## PART 2 - PRODUCTS

### 2.1 SYSTEM DESCRIPTION

- A. Air and Water Leakage Performance:

1. Design, fabricate, assemble, and erect the pre-engineered greenhouse system to be permanently free of significant air leakage.
  2. Significant leakage to be defined as a differential test pressure amounting to 20 percent of specified strength performance pressure required with operable windows doors, or joints, if any, sealed to prevent crack leakage.
  3. Significant Air Leakage: No more than 0.30 cfm per sq ft (91.4 L per min per sq m) projected area of module, determined by ASTM E283.
- B. Structural Performance: Structural performance as tested in accordance with ASTM A500; with no glazing breakage or permanent damage to fasteners, anchors, hardware, or actuating mechanisms.
1. Normal wall deflection not exceeding 1/175 of clear span for span lengths of 162 inches (4115 mm) or less and 1/240 plus 1/4 inch (6 mm) for others. Restrict deflection to 3/4 inch (19 mm) maximum for individual glazing lites.
  2. Parallel to wall deflection not exceeding 75 percent of glass edge clearance. Restrict deflection to L/360- or 1/8-inch (3 mm) maximum. Restrict deflection to 1/16-inch (1.6 mm) maximum above doors and/or windows. Increasing the deflection to 1/8 inch (3 mm) to be permitted if the door operation is not affected.
  3. Deflection of the entire assembly, including, but not limited to, glass, not to exceed 1- 1/2 inches (38 mm).

## 2.2 PRE-ENGINEERED GREENHOUSE STRUCTURES

### A. Pre-Engineered Greenhouse Structures:

1. Basis of Design: As scheduled and indicated on Shop Drawings by “The Greenhouse Company of South Carolina, LLC”, and as specified by the Jaderloon Instructor Greenhouse Specifications.
  - a. **Stuppy Greenhouse alternate approved manufacturer.**
2. Dimensions: Dimensions: As scheduled and indicated on Shop Drawings by “The Greenhouse Company of South Carolina, LLC”.
  - a. Width: 30’.
  - b. Length: 72’.
  - c. Height: 8’.
  - d. Configuration: Double pitch / even span.
  - e. Framing:
    - 1) Columns: 2”x4” rectangular galvanized steel tube x 11ga (50,000psi yield / 55,000psi tensile).
    - 2) Upper and lower truss members: 2”x2” square galvanized steel tube x 12ga (50,000psi yield / 55,000psi tensile).
    - 3) Sidewall horizontals, roof purlins, and truss web members. 1.5”x 1.5” square galvanized steel tube x 16ga (45,000psi yield / 48,000psi tensile).
    - 4) Ridge Purlin: 2”x2” square galvanized steel tube x 15ga (50,000psi yield / 55,000psi tensile).
    - 5) Brace Cables: 1/4” 7x19 galvanized steel.
    - 6) Endwall Framework: 2”x2” square galvanized steel tube x 12ga (50,000psi yield / 55,000psi tensile).
    - 7) Sidewall Framework: 1.5”x1.5” x 16ga square galvanized steel tube x 12ga (50,000psi yield / 55,000psi tensile).
  - f. Design Criteria:
    - 1) Column and truss spacing is 6’. Columns to be set in ground in concrete.
    - 2) Roof purlins are on 4’ spacing from peak to eave.
    - 3) Eave height is 8’.

- 4) There are 2 sets of brace cables per column run.
  - 5) All steel tubing meets ASTM A500 specifications for wall thickness.
3. Covering:
    - a. Roof, Endwalls and Sidewalls:
      - 1) Twinwall 8mm clear polycarbonate with a minimum of a 10-year performance warranty against yellowing and loss of light transmission when properly maintained.
      - 2) Polycarbonate installed and trimmed with aluminum extrusions.
  4. Doors:
    - a. Two 3'-6" x 6'-8" ADA Insulated Steel Single hinged door with 22"x36" tempered glass window with lock and key. Lever hardware with automatic door closures with door touch bar, exit only.
    - b. Coordinate with Owner on lockset.**
- B. Greenhouse Operations Equipment:
1. Ventilation System:
    - a. System designed to produce a velocity of 400 cubic feet of air per second with approximately 1.3 air exchanges per minute.
    - b. Exhaust fans:
      - 1) Two 48" Exhaust fans with slope wall galvanized steel housings and aluminum shutters. Includes interior guards.
    - c. Vent and Shutters:
      - 1) ~~One 4' x 23' Versa Vent Rack and Pinion vent system.~~ **Vent size per manufacturer's recommendation.** Vent to be all aluminum frame powered by a Lock gear motor. Drive system to be rack and pinion type. Vent supports to be attached to the greenhouse frame and require no additional supports.
      - 2) ~~One 4' x 23'~~ Carolina Cooler evaporative cooling system, **as recommended by manufacturer.**
      - 3) One 45" motorized inlet shutter with extruded aluminum frame with interlocking aluminum blades for maximum weather seal for gable ventilation.
  2. Heating System:
    - a. Heater:
      - 1) One Advanced Distributor Products natural gas unit heater with an output of 200,000 BTU with double wall vent pipe kit and heater hanger kit.
      - 2) Horizontal airflow fans (HAF)
        - a) Four Uni-Flo HAF fans to be 20" stamped aluminum 3 blade with vinyl coated guard and galvanized jack chains. Motor to be 1/15 HP, 9-amp, 100 watt, 115volt, 60 HZ. Totally enclosed permanent split capacitor developing 2000 CFM at 1400 RPM.
  3. Controller:
    - a. Thermostatic Logic Controller:
      - 1) Includes 5 cooling stages and 1 heating stage.
- C. Amenities:
1. Benches:

- a. (2) 3' x 67' Stationary Sidewall Benches with galvanized expanded metal top and aluminum frame.
  - b. (2) 6' x 63' Stationary Intermediate Benches with galvanized expanded metal top and aluminum frame.
2. Irrigation System
    - a. Full Overhead Irrigation System included 8 zone controller, bench drip, mist, watering and baskets.
  3. Hanging Basket Rails:
    - a. (6) Runs of Hanging Basket Rails/Irrigation support x 72' long.
  4. Shade Cloth and Ground:
    - a. Black Knit Shade Cloth 50% with attachment kit.
  5. Safety Equipment
    - a. (2) Exit/Emergency light exit fixtures.
    - b. (1) Fire extinguisher.
    - c. (7) Ceiling mount keyless porcelain lights.
- D. Engineering:
1. Structural Engineer Sealed Plans – 3 sets of plans, 1 set of calculation.
- 2.3 Installation:
- A. Installation to be performed by an approved crew with a minimum of three years greenhouse construction experience.
- B. The Greenhouse Company's Responsibilities:
1. Provide all materials specified above.
  2. Install complete greenhouse frame.
  3. Install complete greenhouse cover on the roof, sides and ends.
  4. Assemble and install all interior equipment included in the quote.
  5. Dispose of all construction debris in Owner or General Contractor supplied dumpster.
  6. Provide all interior plumbing for quoted equipment (including cooling system, irrigation and two hose bibs).
  7. Provide all interior electrical wiring for quoted equipment (including panel box and two receptacles, interior lights and exit signs).
  8. Provide Certificate of insurance with applicable worker's compensation coverage.
- C. Owner or General Contractor's Responsibilities:
1. Provide all building, electrical and plumbing permits and licenses required.
  2. Provide all grading, drainage and site preparation.
  3. Provide concrete for columns and gravel flooring OR
  4. Provide and pour concrete slab with cutouts with gravel under the benches.
  5. Provide electrical service to the greenhouse and electrical connection to owner or contractor provided panel box.
  6. Provide water source and water connections to the interior of the greenhouse.
  7. Provide gas hookup to heater.
  8. Provide dumpster for waste disposal.
  9. Provide at least 3' of working space around the greenhouse.
  10. Receive and store all materials prior to installation crew arrival.
  11. Provide sanitary facilities for installation crew.

12. Provide electrical service for construction within 100ft of greenhouse site.

#### 2.4 SOURCE QUALITY CONTROL

- A. Special Inspection: Owner will engage a qualified special inspector to perform source quality control inspections and to submit reports.
  - a. After fabrication, submit copy of certificate of compliance to authorities having jurisdiction, certifying that Work was performed according to Contract requirements.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION and PREPARATION

- A. Prepare substrates in strict accordance with the approved Shop Drawings, using the methods recommended by the manufacturer for achieving best result for the substrates under project conditions. Thoroughly clean surfaces and substrates prior to installation.
- B. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
- C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.

#### 3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
  1. Separate dissimilar materials using nonconductive tape, paint, or other material not visible in finished work.
  2. Provide attachments and shims to permanently fasten system to building structure.
  3. Maintain dimensional tolerances and alignment with adjacent work.
  4. Anchor securely in place, allowing for required movement, including but limited to expansion and contraction.
  5. Install glazing sealants in accordance with manufacturer's instructions, including but not limited to surface preparations.
  6. Set sill members in bed of sealant. Set other members with internal sealants to provide weather tight construction.
  7. Install flashings, bent metal closures, corners, gutters, and other accessories as detailed on Shop Drawings and required for complete installation.
  8. Clean surfaces and install sealant in accordance with sealant manufacturer's instructions and guidelines.

#### 3.3 FIELD QUALITY CONTROL

- A. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.
- B. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.

### 3.4 TESTING AND ADJUSTING

- A. Adjust hinge set, locksets, and other hardware for proper operation. Lubricate using a manufacturer approved lubricant compatible with frame coatings.
- B. Greenhouse installer to complete a water test to the AAMA 501.2 standard with AAMA standard equipment with Architect or general Contractor in presence.

### 3.5 TRAINING

- A. Greenhouse installer to provide one onsite day of training on operations and maintenance of the greenhouse structure in the presence of all requested parties.
- B. Greenhouse installer to coordinate onsite visit, commissioning, and training of greenhouse control system by greenhouse control system manufacturer.

### 3.6 CLEANING AND PROTECTION

- A. Clean and protect products in accordance with the manufacturer's recommendations.
  - 1. Remove temporary coverings and protection of adjacent work areas.
  - 2. Clean and dress sealant prior to installation completion.
  - 3. Clean glass prior to installation completion.
  - 4. Clean the entire enclosure one time at the completion of the installation. Cleaning to include surface cleaning of aluminum framing and glass and cleanup of construction debris.
- B. B. Touch-up, repair or replace damaged products before Substantial Completion.
  - 1. Areas with Abraded Surface Finish: Clean and touch-up with air dry paint, as approved and furnished by window manufacturer, color to match factory applied finish.
  - 2.

END OF SECTION 133419