

DOCUMENT 009113 - ADDENDA

1.1 PROJECT INFORMATION

- A. Project Name: Delaware Technical Community College Stanton Campus Courtyard Renovation.
- B. Owner: Delaware Technical Community College.
- C. Architect: Tevebaugh Associates
- D. Architect Project Number: #14422.
- E. Date of Addendum: **December 3, 2015**

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. 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: **December 7, 2015**

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. None.
- B. This Addendum includes the following Clarifications:
 - 1. None

1.4 REVISIONS TO PREVIOUS ADDENDA

- 1. "The contractor may drive propane or diesel equipment through the construction access corridor as long as the temporary protection measures are in place as required per construction drawings"

1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

A. Document **00 4113 Bid Form Single Prime** (reissued).

1. Delete and Replace with attached.

1.6 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS

A. Specification Section 01 2300 Alternates (reissued)

1. Delete and Replace with attached.

1.7 REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS

A. Specification **Section 08 4513 Structured-Polycarbonate Panel Assemblies**, (reissued).

1. Paragraph 2.1. G: Delete in its entirety.
2. Paragraph 2.2.D.: Maximum Panel Length: 144”inches.
3. Paragraph 2.2.K.4: Roof-Coverings Classification ;Class A
4. Paragraph 2.2.L: Add paragraph Alternate.
5. Paragraph 2.5.B. Delete in its entirety.

1.8 REVISIONS TO DRAWING SHEETS

A. Sheet A3.01 – CANOPY PLANS & SECTIONS (reissued).

1. Notes updated.

B. Sheet A3.02 – CANOPY DETAILS (reissued).

1. Notes updated.

END OF DOCUMENT 00 9113

DOCUMENT 00411 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Stanton Campus Courtyard Renovation
- C. Project Location: 400 Stanton Christiana Road, Newark, DE 19713>.
- D. Owner: Delaware Technical Community College, One Corporate Commons, 100 West Commons Blvd, Suite 100, New Castle, DE 19720.
- E. Architect: Tevebaugh Associates Two Mill Road, Suite 210, Wilmington, DE 19806
- F. Architect Project Number: 14422.

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Tevebaugh Associates and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - A. _____ Dollars (\$_____).
 - B. The above amount may be modified by amounts indicated by the Bidder on the attached Document 012200 "Unit Prices" and Document 012300 "Alternates."

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - A. _____ Dollars (\$_____).
- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 UNIT PRICES

1. Unit Price 1: Provide 1 (5'-6" bolder)
_____ Dollars (\$_____).
2. Unit Price 2: Repointing 9100 sq ft)
_____ Dollars (\$_____).
3. Unit Price 3: One day extension of Time
_____ Dollars \$_____).

1.5 ALTERNATES

- A1. Furniture 1. Deduct
_____ Dollars (\$_____).
- A2. Furniture 2. Deduct
_____ Dollars (\$_____).
- B1. Painting 1. Deduct
_____ Dollars (\$_____).
- C1. Not Used
- D1. Masonry Cleaning 1. Deduct
_____ Dollars (\$_____).
- E1. Blue Stone Pavers 1. Deduct
_____ Dollars (\$_____).
- F1. Canopy 1. Deduct
_____ Dollars (\$_____).
- G1. Structured Cellular translucent polycarbonate Deduct.
_____ Dollars (\$_____).

1.6 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully be completed by May 20th 2016.

1.7 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
 - A. Addendum No. 1, dated _____.
 - B. Addendum No. 2, dated _____.
 - C. Addendum No. 3, dated _____.
 - D. Addendum No. 4, dated _____.

1.8 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in New Castle Delaware and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2015.
- B. Submitted By: _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witness By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113

SECTION 01 2300

ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. **Furniture** *(Only 1 Item below may be selected as an alternate)*

1. Owner to purchase and install Furnishings specified on sheet LA5.01.
Deduct from Base Bid \$ _____

OR

2. Owner to purchase GC to install Furnishing specified on Sheet LA5.01
Deduct from Base Bid \$ _____

B. **Painting**

1. Delete from scope of work painting of existing metal panel walls, storefront walls, storefront doors, and roof penthouse as noted on construction documents. Acceptance of alternate includes elimination of the following specification sections: 09 9113 Exterior Painting.

Deduct from Base Bid \$ _____

C. **Not Used**

D. **Masonry Cleaning**

1. Delete from scope of work cleaning of existing brick masonry and precast concrete elements noted on construction documents. Acceptance of alternate includes elimination of the following specification sections: 04 0120 maintenance of Unit Masonry.

Deduct from Base Bid \$ _____

E. **Blue Stone Pavers**

1. All location where Blue Stone Pavers are called for remove from scope and replace with poured in place concrete in accordance with requirements in the following specification sections: 03 3000 Cast-In-Place.

Deduct from Base Bid \$ _____

F. **Canopy**

1. Delete from scope of work all elements associated with the canopy noted on construction documents with the exception of the footings and connections. Acceptance of alternate includes elimination of the following specification sections: 08 4513 Structured Polycarbonate Panel Assemblies.

Deduct from Base Bid \$ _____

G. **Completion of Project with no Extension of time for inclement weather.**

1. Add to the Base bid the cost for the contractor to complete the project with all means necessary for any inclement weather that occurs over and above the approved amount listed in the bid documents.

Add from Base Bid \$_____

- H. Structured Cellular translucent polycarbonate
1. Remove the monolithic roof sheet and replace with the Structured Cellular translucent polycarbonate sheets per section 08 4513.

Deduct from Base Bid \$_____

END OF SECTION

SECTION 084513 - STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes aluminum-framed assemblies glazed with structured-polycarbonate panels as follows:
 - 1. Canopy assemblies.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for aluminum components of panel assemblies.
- B. Shop Drawings: For panel assemblies.
 - 1. Include plans, elevations, sections, details, and attachments to other work.
 - 2. Include details of provisions for assembly expansion and contraction and for draining moisture within the assembly to the exterior.
- C. Samples: In manufacturer's standard size.
 - 1. For each type of structured-polycarbonate panel.
 - 2. For each type of exposed finish for framing members.
- D. Fabrication Samples: Of each framing system intersection and adjacent panels, made from 12-inch (305-mm) lengths of full-size framing members and showing details of the following:
 - 1. Joinery.
 - 2. Anchorage.
 - 3. Expansion provisions.
 - 4. Structured-polycarbonate panels.
 - 5. Flashing and drainage.

- E. Delegated-Design Submittal: For panel assemblies indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Product Test Reports: For each structured-polycarbonate-panel assembly, for tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.6 CLOSEOUT SUBMITTALS

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

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.
- B. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
 - 1. Build mockup of typical panel assemblies as shown on Drawings.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

1.8 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace components of panel assemblies that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including, but not limited to, excessive deflection.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - c. Water leakage.
 - 2. Warranty Period: Five years from date of Substantial Completion.
- B. Manufacturer's Special Warranty: Manufacturer agrees to repair or replace structured-polycarbonate panels that exhibit defects in materials or workmanship within specified warranty period.

1. Defects include, but are not limited to, the following:
 - a. Delamination.
 - b. Color changes exceeding requirements.
 - c. Losses in light transmission beyond 6 percent from original when measured according to ASTM D 1003.
 2. Warranty Period: 10 years from date of Substantial Completion.
- C. Special Aluminum-Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. Warranty does not include normal weathering.
1. Failures include, but are not limited to, checking, crazing, peeling, chalking, and fading of finishes.
 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design structured-polycarbonate-panel assemblies.
- B. Structural Loads: As indicated on Drawings.
- C. Deflection Limits:
1. Vertical Panel Assemblies: Limited to 1/100 of clear span for each assembly component.
 2. Overhead Panel Assemblies: Limited to 1/100 of clear span for each assembly component.
- D. Structural-Test Performance: Panel assemblies tested according to ASTM E 330, as follows:
1. When tested at positive and negative wind-load design pressures, assemblies do not show evidence of deflection exceeding specified deflection limits.
 2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not show evidence of material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
 3. Test Durations: As required by design wind velocity, but not less than 10 seconds.
- ~~E. Windborne Debris Impact Resistance Performance: Panel assemblies that pass missile impact and cyclic pressure tests when tested according to ASTM E 1886 and the testing information in ASTM E 1996 for Wind Zone 1.~~
- ~~1. Large Missile Test: For glazed openings located within 30 feet (9.1 m) of grade.~~
 - ~~2. Small Missile Test: For glazed openings located more than 30 feet (9.1 m) above grade.~~

- F. Water Penetration under Static Pressure: Provide panel assemblies that do not evidence water penetration through fixed glazing and framing areas when tested according to ASTM E 331 at a minimum static-air-pressure difference of 20 percent of positive wind-load design pressure, but not less than 6.24 lbf/sq. ft. (300 Pa).

~~G. Water Penetration under Dynamic Pressure: Provide panel assemblies that do not evidence water leakage through fixed glazing and framing areas when tested according to AAMA 501.1 under dynamic pressure equal to 20 percent of positive wind load design pressure, but not less than 6.24 lbf/sq. ft. (300 Pa).~~

- ~~1. Maximum Water Leakage: According to AAMA 501.1 Water leakage does not include water that is controlled by flashing and gutters and drained to the exterior, or water that cannot damage adjacent materials or finishes.~~

2.2 STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES

- A. Structured-Polycarbonate-Panel Assemblies: Translucent assemblies that are supported by aluminum framing.

Products: Subject to compliance with requirements, provide the following:

1. Duo-Gard Industries Inc., 40442 Koppernick Road, Canton, Michigan 48187.
Phone (734) 207-9700. Fax (734) 207-7995. Web Site: www.duo-gard.com.
 - a. SLEEKLINE- Monolithic Translucent Canopy System
2. Extech Exterior Technologies, Inc, 200 Bridge St. Pittsburg, PA 15223.
Phone (412)-781-0991. Fax (412)-781-9303 Web Site: www.extech-voegele.com
 - a. Series 3300

- B. Panel Thickness: Nominal 1/4 inch.

- C. Maximum Panel Width: 24" inches.

- D. Maximum Panel Length: **144" inches.**

- E. Maximum Panel Loading: 40 p.s.f.

- F. Minimum Slope: 1:12

- G. Max cantilever past supporting structure is 12" inches.

- H. UV Resistance: On outer surface.

- I. Color: As selected by Architect from manufacturer's full range of Translucent colors.

- J. Snow Guards: clear polycarbonate snow guard adhered to each panel in the field.

- K. Panel Performance:

1. Plastic Self-Ignition Temperature: 650 deg F (343 deg C) or more according to ASTM D 1929.

2. Smoke-Developed Index: 450 or less according to ASTM E 84, or 75 or less according to ASTM D 2843.
3. Combustibility Classification: Class CC1 based on testing according to ASTM D 635.
4. Roof-Covering Classification: Class A according to ASTM E 108 or UL 790.
5. Color Change: Not more than 3.0 units Delta E, when measured according to ASTM D 2244, after outdoor weathering compliant with procedures in ASTM D 1435.
 - a. Outdoor Weathering Conditions: 60 months in Arizona or 120 months in a moderate North American climate.
6. Impact Resistance: No failure at impact of 200 ft. x lbf (271 J) according to freefalling-ball impact test using a 3-1/2-inch- (89-mm-) diameter, 6.3-lb (2.9-kg) ball.
7. Haze Factor: Greater than 90 percent when tested according to ASTM D 1003.

L. Alternate Glassing material: 16mm (5/8") thick flat sheet type structured cellular translucent polycarbonate with coextruded UV resistant exterior surface.

2.3 ALUMINUM FRAMING SYSTEMS

- A. Components: Manufacturer's standard extruded-aluminum members of thickness required and reinforced as required to support imposed loads.
 1. Construction: One piece, extruded aluminum.
- B. Aluminum: Alloy and temper recommended in writing by manufacturer for type of use and finish indicated.
 1. Sheet and Plate: ASTM B 209 (ASTM B 209M).
 2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
 3. Extruded Structural Pipe and Tubes: ASTM B 429 (/B 429M).
 4. Structural Profiles: ASTM B 308 (/B 308M).
- C. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning skylight components.
- D. Fasteners and Accessories: Manufacturer's standard, corrosion-resistant, nonstaining, and nonbleeding fasteners and accessories; compatible with adjacent materials.
 1. At closures, retaining caps, or battens, use ASTM A 193 (/A 193M), 300 series stainless-steel screws.
 2. Use self-locking devices where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration.
 3. At movement joints, use slip-joint linings, spacers, and sleeves of material and type recommended in writing by manufacturer.
- E. Concrete and Masonry Inserts: Hot-dip galvanized cast-iron, malleable-iron, or steel inserts complying with ASTM A 123 (/A 123M) or ASTM A 153 (/A 153M) requirements.
- F. Anchor Bolts: ASTM A 307, Grade A, galvanized steel.

- G. Concealed Flashing: Corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials.
- H. Exposed Flashing and Closures: Aluminum sheet not less than 0.040 inch (1.02 mm) thick, finished to match framing.
- I. Framing Gaskets: Manufacturer's standard gasket system with low-friction surface treatment designed specifically for retaining structured-polycarbonate panels.
- J. Frame-System Sealants: As recommended in writing by manufacturer.
 - 1. Sealants used inside the weatherproofing system shall have a VOC content of 250 g/L or less.
 - 2. Sealants used inside the weatherproofing system shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- K. Corrosion-Resistant Coating: Cold-applied asphalt mastic, compounded for 15-mil (0.4-mm) dry film thickness per coat. Provide inert-type noncorrosive compound free of asbestos fibers, sulfur components, and other deleterious impurities.

2.4 FABRICATION

- A. Fabricate aluminum components that, when assembled, have the following characteristics:
 - 1. Profiles that are sharp, straight, and free of defects or deformations.
 - 2. Accurately fitted joints with ends coped or mitered.
 - 3. Internal guttering systems or other means to drain water passing through joints and moisture migrating within assembly to exterior.
- B. Reinforce aluminum components as required to receive fastener threads.

2.5 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.
- ~~B. High Performance Organic Finish: Three coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.~~
 - ~~1. Color and Gloss: As selected by Architect from manufacturer's full range.~~

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written instructions.
 - 1. Do not install damaged components.
 - 2. Fit joints between aluminum components to produce hairline joints free of burrs and distortion.
 - 3. Rigidly secure nonmovement joints.
 - 4. Install anchors with separators and isolators to prevent metal corrosion, electrolytic deterioration, and immobilization of moving joints.
 - 5. Seal joints watertight unless otherwise indicated.
- B. Metal Protection: Where aluminum components will contact dissimilar materials, protect against galvanic action by painting contact surfaces with corrosion-resistant coating or by installing nonconductive spacers as recommended in writing by manufacturer for this purpose.
- C. Install components plumb and true in alignment with established lines and elevations.
- D. Skylight Assemblies: Install continuous aluminum sill closures with weatherproof expansion joints and locked and sealed corners. Install components to drain water passing through joints and moisture migrating within assembly to exterior.
- E. Erection Tolerances: Install panel assemblies to comply with the following maximum tolerances:
 - 1. Alignment: Limit offset from true alignment to 1/32 inch (0.8 mm) where surfaces abut in line, edge to edge, at corners, or where a reveal or protruding element separates aligned surfaces by less than 3 inches (76 mm); otherwise, limit offset to 1/8 inch (3.2 mm).
 - 2. Location and Plane: Limit variation from true location and plane to 1/8 inch in 12 feet (3.2 mm in 3.7 m), but no greater than 1/2 inch (12 mm) over total length.

END OF SECTION 084513

■ **Architecture
Planning
Interior Design**
Two Mill Road, Suite 210
Wilmington, Delaware 19806
(302) 984-1400
FAX (302) 984-2957

■ **Architecture
Planning
Interior Design**
Two Mill Road, Suite 210
Wilmington, Delaware 19806
(302) 984-1400
FAX (302) 984-2957

A. CANOPY DETAILS SHOWN FOR DESIGN INTENT. FINAL STRUCTURAL DESIGN AND SIZING OF ALL MEMBERS TO BE BY GC. SEALED SHOP DRAWINGS REQUIRED. REFERENCE SPECIFICATIONS FOR PERFORMANCE REQUIREMENTS.

A. CANOPY DETAILS SHOWN FOR DESIGN INTENT. FINAL STRUCTURAL DESIGN AND SIZING OF ALL MEMBERS TO BE BY GC. SEALED SHOP DRAWINGS REQUIRED. REFERENCE SPECIFICATIONS FOR PERFORMANCE REQUIREMENTS.

- 1 CONCRETE FOUNDATION
- 2 METAL BASE PLATE WELDED TO ROUND STEEL COLUMN
- 3 ROUND STEEL COLUMN
- 4 SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL DETAILS
- 5 EDGE OF MONOLITHIC POLYCARBONATE PANEL
- 6 ALUMINUM MULLIONS @ 2'-0" OC
- 7 TUBE STEEL GIRDER
- 8 TUBE STEEL BEAM @ 2'-0" OC
- 9 SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PAVEMENT SECTION DETAILS AND REQUIREMENTS
- 10 ALUMINUM MULLIONS TO BREAK UP LENGTHS OF POLYCARBONATE SHEET. (THESE MULLIONS ARE NOT PART OF THE ALTERNATE FOR CELLULAR POLYCARBONATE LISTED IN THE SPECIFICATIONS).

- 1 CONCRETE FOUNDATION
- 2 METAL BASE PLATE WELDED TO ROUND STEEL COLUMN
- 3 ROUND STEEL COLUMN
- 4 SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL DETAILS
- 5 EDGE OF MONOLITHIC POLYCARBONATE PANEL
- 6 ALUMINUM MULLIONS @ 2'-0" OC
- 7 TUBE STEEL GIRDER
- 8 TUBE STEEL BEAM @ 2'-0" OC
- 9 SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PAVEMENT SECTION DETAILS AND REQUIREMENTS
- 10 ALUMINUM MULLIONS TO BREAK UP LENGTHS OF POLYCARBONATE SHEET. (THESE MULLIONS ARE NOT PART OF THE ALTERNATE FOR CELLULAR POLYCARBONATE LISTED IN THE SPECIFICATIONS).



☐ **DTCC STANTON
CAMPUS
COURTYARD
RENOVATION**

☐ **FOR CONSTRUCTION**

- **CANOPY PLANS & SECTIONS**

□ REVISIONS

[illegible]

Date	11.02.2015
Scale	As indicated
Drawn	SC
Checked	SC
Approved	Approver
Project	14422

Sheet **A3.01**

Two Mill Road, Suite 210
Wilmington, Delaware 19806
(302) 984-1400
FAX (302) 984-2957

□ REVISIONS

Date	11.02.2015
Scale	As indicated
Drawn	Author
Checked	Checker
Approved	Approver
Project	14422

KEY NOTES

-

