



State of Rhode Island  
Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
Tel: (401) 574-8100 Fax: (401) 574-8387

**ADDENDUM # 1**

6/1/2016

Solicitation #7550578

*Title: Warwick Campus Renewal Hi Tech Acoustical – Community  
College of Rhode Island.*

**Submission Deadline: June 13, 2016 @ 10:00 am (ET)**

Per the issuance of ADDENDUM #1 the following are noted:

ADDENDUM #1 (See Attached)

*Interested Parties should monitor this website on a regular basis, for any additional information that may be posted.*

**Gary P. Mosca**  
**Senior Buyer**



AHARONIAN  
& ASSOCIATES, INC.  
Architects

June 01, 2016

TO: All Bidders

RE: WARWICK CAMPUS RENEWAL HI TECH ACOUSTICAL –CCRI  
400 East Avenue.  
Warwick, RI

## ADDENDUM #1

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The Contract Documents for the above referenced Project are hereby modified per the following. All other Drawing and Project Manual items not addressed herein shall remain in full effect. The Bidder shall acknowledge the receipt of this Addendum on the Bid Form.

### PROJECT MANUAL:

#### 00 52 00 AGREEMENT FORM

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- ITEM 1.** Revise AIA Document A101 Latest Edition to AIA A101 – 2007 as modified by State Purchasing.

#### 00 72 00 GENERAL CONDITIONS

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- ITEM 1.** Revise AIA Document A201 -1997 to AIA Document A201 – 2007 as modified by State Purchasing.

#### 01 11 00 SUMMARY OF WORK

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- ITEM 1.** Revise Section 101 E number 12: **ADD** Selected Vendor to submit resume of proposed Superintendent for College team to review and approve. The College reserves the right to reject proposed Superintendent.
- ITEM 2.** Revise Section 104 B: **DELETE** Weekend hours, typically third shift, may be permitted if previously coordinated with CCRI and **ADD** The College is not responsible for stolen materials, tools, equipment, etc.
- ITEM 3.** Revise Section 104C number 1: **ADD** provide temporary exit signs if routes are temporarily altered during third shift only.

310 George Washington Hwy.

T 401-232-5010

Suite 100

F 401-232-5080

Smithfield, Rhode Island 02917

- ITEM 4.** Revise Section 1.04C number 3: **DELETE**
- ITEM 5.** Revise Section 1.04C number 4: **ADD** Elevators cannot be used for heavy equipment or lifts.
- ITEM 6.** Revise Section 1.04 D number 1: **DELETE** “unless authorized by CCRI”.
- ITEM 7.** Revise Section 1.04 D number 2: **DELETE** “security” and add College Representative, third shift.
- ITEM 8.** Revise Section 1.04D number 4: **DELETE**
- ITEM 9.** Revise Section 1.01D: **ADD # 21** There is no storage space available within the building. The General Contractor will have to furnish storage containers to be located at the maintenance garage gravel parking lot to store materials.
- ITEM 10.** Revise Section 1.01D: **ADD #22:** All work is to be done third shift 10:30PM to 6:30AM Monday thru Sunday. No first or second shifts work will be permitted.
- ITEM 11.** Revised Section 1.01D: **ADD #23:** At the end of the shift, all materials must be removed from the building for the College operations and classes to go on uninterrupted.
- ITEM 12.** Revise Section 1.01D: **ADD #24:** A small number of lifts can remain in the space off to the side, not to affect the operations of the College. Location to be coordinated with the College Representative.
- ITEM 13.** Revise Section 1.01D: **ADD #25:** The lights in the Commons cannot be cranked down due to their age. The general Contractor to work around the lights and protect them from damages.
- ITEM 14.** Revise Section 1.01D: **ADD #26:** The General Contractor will be responsible for moving the tables, chairs and furnishing in the Commons and placing them back in their locations at the end of the shift.
- ITEM 15.** Revise Section 1.01D: **ADD #27:** The General Contractor to plan their activities to complete a quadrant of the work before moving on.
- ITEM 16.** Revised Section 1.01D: **ADD #28:** There will be a minimum of 5 blackout days when no onsite activities can occur.

#### **09 84 00 ACOUSTICAL WALL TREATMENT**

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- ITEM 1.** Revise Section 2.01B Number 2 letter F: **DELETE** FR701 2100, Color as chosen by Architect/Owner. **ADD** Fabric Covering: Guildford of Maine Color Line Metro#3077.

#### **09 84 36 SOUND ABSORBING CEILING UNITS**

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- ITEM 2.** Revise Section 2.01B Number 1 letter g: **DELETE** Color, as noted within Construction Documents. **ADD** Color: Guildford of Maine Color Line Metro#3077.

## BID FORM - UPDATED FORM ATTACHED

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**ITEM 1.** Section 1 Base Bid Price Allowances: Revise to include an allowance for sprinkler conflict of \$ 25,000.00.

**ITEM 2.** Section 4 Revised Contract Time: Revise as follows:

- Start of Construction..... Within **30** calendar days of receipt of CCRI PO
- Substantial Completion .....**135 Calendar days of receipt of CCRI PO**
- Final Completion .....**150 Calendar days of receipt of CCRI PO**
- Work Prohibited .....Construction shall occur between the hours of 10:30pm and 6:30am Monday thru **Sunday**.
- The Projection Screen installation is required for Substantial Completion.

## QUESTIONS & ANSWERS

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**QUESTION 1.** Section 011100 Summary of Work - 1.0 #14 calls for "Contractor is required to x-ray floors and walls before any penetration". Please clarify. Does this include ceilings and does it include any fastener location?

**RESPONSE 1.** Yes, it includes ceilings. Gas, air, electrical and other utilities are run within the concrete slabs and concrete walls. Any lines damaged as a result of core drilling will be the responsibility of the general contractor to repair at their expense. This would apply also to fastener locations in the ceiling. All is dependent of the length of the fastener to be coordinated with the design team.

**QUESTION 2.** Bid Documents that substantial completion is June 30th with final completion as of July 29th. Liquidated damages are \$1,500.00 per day. Is there a revised Contract Time?

**RESPONSE 2.** See Revised Bid Form.

### Enclosure:

- **Revised Bid Form**
- **Revised Project Manual Section 00 52 00 – Agreement Form**
- **Revised Project Manual Section 00 72 00 – General Conditions**
- **Revised Project Manual Section 01 11 00 – Summary of Work**
- **Revised Project Manual Section 09 84 00 – Acoustical Wall Treatment**
- **Revised Project Manual Section 09 84 36 – Sound Absorbing Ceiling Units**

Solicitation #: 7550578

Solicitation Title: Student Commons Hi-Tech/Acoustic Upgrades at the CCRI Knight Campus

**BID FORM:**  
**Revised 6/1/2016**

TO: The Department of Administration, Division of Purchases  
One Capitol Hill, Providence, RI 02908

Project: Student Commons Hi-Tech/Acoustic Upgrades  
Community College of Rhode Island  
Knight Campus  
Warwick, RI

Bidder:

\_\_\_\_\_  
Legal name of entity

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact Name

\_\_\_\_\_  
Contact email

\_\_\_\_\_  
Contact Telephone

\_\_\_\_\_  
Contact Fax

1. **BASE BID PRICE:**

The bidder submits this bid proposal to perform all of the work (including labor and materials) as described in the solicitation for this Base Bid Price, (including the costs for all Allowances, Bonds, and Addenda):

**\$** \_\_\_\_\_

(Base Bid Price in figures printed electronically, typed or handwritten legibly in ink)

\_\_\_\_\_  
(Base Bid Price in words electronically, typed, or handwritten legibly in ink)

Solicitation #: 7550578

Solicitation Title: Student Commons Hi-Tech/Acoustic Upgrades at the CCRI Knight Campus

- **ALLOWANCES**

The Base Bid Price ***includes*** the costs for the following Allowances:

1. Include an allowance for sprinkler conflict of \$25,000.00.

- **BONDS**

The Base Bid Price ***includes*** the costs for all Bid and Payment and Performance Bonds required by the solicitation.

- **ADDENDA**

The Bidder has examined the entire solicitation (including the following Addenda), and the Base Bid Price ***includes*** the costs of any modifications required by the Addenda.

All Addenda must be acknowledged.

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_

## 2. **ALTERNATES (Additions to Base Bid Price)**

The Bidder offers to: (i) perform the work described in these Alternates as selected by the State in the order of priority specified below, based on the availability of funds and the best interest of the State; and (ii) increase/reduce the Base Bid Price by the amount set forth below for each Alternate selected.

### **Add Alternate#1- LED VIDEO WALL AND MOUNT**

**Refer to Audio Visual System Specification Section 11-52-11 Page 25  
Section 2.10 LED Video Wall.**

\$ \_\_\_\_\_

(Alternate amount in figures printed electronically, typed or handwritten legibly in ink)

\$ \_\_\_\_\_

(Alternate amount in words electronically, typed, or handwritten legibly in ink)

## 3. **UNIT PRICES**

The bidder submits these predetermined Unit Prices as the Basis for any change orders approved in advance by the State. These Unit Prices include ***all*** costs, including labor, materials, services, regulatory compliance, overhead, and profit.

Solicitation #: 7550578

Solicitation Title: Student Commons Hi-Tech/Acoustic Upgrades at the CCRI Knight Campus

**4. CONTRACT TIME**

The Bidder offers to perform the work in accordance with the timeline specified below:

- Start of Submittals.....10 calendar days after receipt of CCRI PO
- Start of Construction ..... Within **30** calendar days of receipt of CCRI PO
- Substantial Completion .....**135 calendar days of receipt of CCRI PO**
- Final completion .....**150 calendar days of receipt of CCRI PO**
- Work Prohibited .....Construction shall occur between the hours of 10:30pm and 6:30am Monday thru **Sunday**.

**5. LIQUIDATED DAMAGES**

The successful bidder awarded a contract pursuant to this solicitation shall be liable for and pay the State, as liquidated damages and not as a penalty, the following amount for **each** calendar day of delay beyond the date for substantial completion, as determined in the sole discretion of the State: **Fifteen Hundred Dollars (\$1,500.00) per day**

**BID FORM SIGNATURES(S)**

**This bid proposal is irrevocable for 60 days from the bid proposal submission deadline.**

**If the Bidder is determined to be the successful bidder pursuant to this solicitation, the bidder will promptly: (i) comply with each of the requirements of the Tentative Letter of Award; and (ii) commence and diligently pursue the work upon issuance and receipt of the purchase order from the State and authorization from the user agency.**

**The person signing below certifies that he or she has been duly authorized to execute and submit this bid proposal on behalf of the Bidder.**

**BIDDER** \_\_\_\_\_

**Date:** \_\_\_\_\_

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Signature in ink

\_\_\_\_\_  
Printed name and title of person signing on behalf of bidder

**#** \_\_\_\_\_

Bidder's Contractor Registration Number



**CCRI KNIGHT CAMPUS**

**STUDENT COMMONS - HI-TECH/ACOUSTIC & A/V UPGRADES**

**Warwick, Rhode Island 02886**

**AA15070**

**DOCUMENT 00 52 00**

**Revised 6/1/2016**

**AGREEMENT FORM**

**AIA DOCUMENT A101 - 2007 Edition**

**ABBREVIATED STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR  
CONSTRUCTION PROJECTS OF LIMITED SCOPE WHERE THE BASIS OF PAYMENT IS A  
STIPULATED SUM AS MODIFIED BY STATE PURCHASING**

Document bound herewith. Failure to review this document will not relieve parties of the contractual requirements contained herein.

**END OF DOCUMENT 00 52 00**



**CCRI KNIGHT CAMPUS**

**STUDENT COMMONS - HI-TECH/ACOUSTIC & A/V UPGRADES**

**Warwick, Rhode Island 02886**

**AA15070**

**SECTION 00 72 00**

**Revised 6/1/2016**

**GENERAL CONDITIONS**

**AIA DOCUMENT A201 - 2007 Edition**

**GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AS MODIFIED BY STATE  
PURCHASING**

Document is bound herewith. Failure to review this document will not relieve parties of the contractual requirements contained herein.

**END OF DOCUMENT 00 72 00**



## CCRI KNIGHT CAMPUS

### STUDENT COMMONS - HI-TECH/ACOUSTIC & A/V UPGRADES

Warwick, Rhode Island 02886

AA15070

## SECTION 01 11 00

Revised 6/1/2016

## SUMMARY OF WORK

### PART 1 GENERAL

#### 1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Project consists of upgrades to the Student Dining Commons Acoustics and Audio Visual Systems. Upgrades to include ceiling hung acoustic baffles, ceiling and wall mounted acoustic baffles, projection screen and projector and speaker arrays and related components. The construction of an IT / electric room to support the A/V upgrades.
- B. The Work includes but is not limited to layout and installation of the acoustic panels, A/V equipment, mounting hardware, data cabling and electrical power.
- C. Coordination with Owner's separate concurrent contracts, if any.
- D. General Requirements:
  1. Contractor shall perform the Work of the Contract under a stipulated sum Contract with the Owner in accordance with the Conditions of Contract.
  2. Vendor is responsible for obtaining and paying for any required Local and State licenses, Permits and Inspections.
  3. Contractor to include all Bond costs in their Bid.
  4. Before starting work, all Contractor workers and Subs are required to obtain and submit a current BCI and State-approved picture ID. CCRI reserves the right to deny Campus access to any worker based on information provided on the submitted BCI. All BCI's to be current within one calendar month.
  5. All onsite workers are to be OSHA 10 certified. Copies of certifications along with driver licenses are required on the first day of work.
  6. the Contractor is responsible for providing their workers with all personal protection equipment. At a minimum, this includes hard hats, reflective vests, eye protection, harnesses and ear protection.
  7. All completed work must be inspected and approved by College and Architect.
  8. There will be mandatory weekly progress meetings onsite with four week look a-head schedules to be furnished to the architect and College.
  9. Vendor and/or its subcontractors are to be licensed as required by RI Department of Labor.

10. All contractors and subcontractors to sign in each employee at the CCRI Security Office located on the lower level at the start of each shift.
11. The contractor is responsible for coordinating all electrical and telecommunication installations and connections with IT personnel.
12. A full time superintendant is required for the extent of construction. Selected vendor to submit resume of proposed Super for College team to review and approve. College reserves the right to reject proposed Super.
13. A full list of subcontractors to be provided as part of the submittal package.
14. Contractor is required to x-ray floors and walls before any penetrations.
15. No substitution will be considered prior to receipt of bid unless written request for approval has been received by the Division of Purchases no later than 10 days before the closing of the Bid. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete and a complete description of the proposed substitution including drawings, performance and test data and other information necessary for any evaluation. A statement setting forth changes in other materials, equipment, or other portions of the work, including changes in work of other contracts that incorporation of the proposed substitution would require, shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The State of Rhode Island's decision of approval or disapproval of the proposed substitution shall be final. If the State approves a proposed substitution prior to receipt of bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner. No substitutions will be considered after the Contract Award except as provided for in the contract documents.
16. All temporary fire protection equipment to be provided by the General Contractor.
17. Contractors are not permitted to display a project sign anywhere on the campus grounds.
18. Contractor is to store all equipment in a Conex box onsite for reinstallation by this contractor.
19. All penetrations made during construction to areas out of the scope of work are to be sealed immediately.
20. Contractor to provide walk-off mats at all construction entries.
21. There is no storage space available within the building. The General Contractor will have to furnish storage containers to be located at the maintenance garage gravel parking lot to store materials.
22. All work to occur 3<sup>rd</sup> shift 10:30pm to 6:30am. Monday thru Sunday. No first or second shift work will be permitted.
23. At the end of the shift, all materials must be removed from the building for the College operations and classes to go on uninterrupted.
24. A small number of lifts can remain in the space off to the side, not to affect the operations of the College. Location to be coordinated with the College Representative.
25. The lights in the Commons cannot be cranked down due to their age. The General Contractor to work around the lights and protect them from damages.
26. The General Contractor will be responsible for moving the tables, chairs and furnishings in the Commons and placing them back in their locations at the end of the shift.

27. Then General Contractor to plan their activities to complete a quadrant of the work before moving on.
28. There will be a minimum of 5 blackout days when no onsite activities can occur.
29. All floors to be x-rayed to confirm no utilities in slab before coring. All damaged utilities are the responsibility of the vendor to fix at their cost.

## **1.02 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

## **1.03 FUTURE WORK**

- A. **FUTURE CONTRACT:** The Owner reserves the right to award contracts for additional work to be performed at the site during construction and following the Substantial Completion. Completion of that future work depends on the progress of, and the successful and timely completion of, the preparatory and related Work of this Contract.

## **1.04 CONTRACTOR USE OF SITE AND PREMISES**

- A. **GENERAL:** The Owner intends to fully occupy the facility during the period of construction.
- B. **CONSTRUCTION OPERATIONS:** All work is to be third shift work. Limited to areas within the building as agreed by the College. Coordinate with Owner to insure delivery and completion per the schedule. Include all costs of this coordination, including all premium time wages that may be required to meet these requirements, in the Base bid. Fulltime maintenance and security personnel are on staff at CCRI during night and weekend hours. The College is not responsible for stolen materials, tools, equipment, etc.
- C. Provide access to and from site as required by law and by Owner:
  1. **Emergency Building Exits During Construction:** Keep all exits required by code open during construction period; provide temporary exit signs if routes are temporarily altered during 3rd shift only. Maintain the main corridor as an egress path for occupants of the floor throughout construction. Include and maintain temporary fire extinguishers within the limit of construction.
  2. Do not obstruct roadways, sidewalks or other public ways without permission from the Owner.
  3. Access to the area for material delivery, demolition debris, workmen, etc. is at the loading dock on the West elevation. There is an elevator to the first floor. General Contractor is to protect elevator from damage during use. Elevators cannot be used for heavy equipment or Lifts.
  4. Workers to park in public parking lot on a first come, first served basis.
  5. Contractor to provide temporary signage to identify the work area and emergency egress points.
  6. Deliveries to be at the main loading dock only Third Shift/ before 7:30 AM or as coordinated with the College. No deliveries are to be accepted at any other location. College will not sign for any materials. All deliveries must be moved from the area immediately.
- D. **TIME RESTRICTIONS**
  1. All work is to be performed during third shift.
  2. Weekend work is allowed if pre-arranged with College Representative, 3rd shift.
  3. Coordinate work with college staff to avoid disruptions of college activities. Coordinate and adjust workflow weekly and by special request.

E. UTILITY OUTAGES AND SHUTDOWN

1. Do not disrupt or shut down life safety systems, including but not limited to fire alarm system, without 7 days notice to the Owner and authorities having jurisdiction.
  2. Prevent accidental disruption of utility services to other facilities. Any and all shutdowns to occur during third shift.
  3. Do not disrupt building control wiring or fire alarm wiring passing through the area of work.
- F. Protect all existing surfaces from damages. Any damages to the existing surfaces requiring replacement and or repair shall be at Contractor's expense.
- G. Construction areas shall be kept in a clean, safe and acceptable condition on a daily basis at all times and at completion of the Project.
- H. Contractor is responsible for removing all debris off the site daily, including all costs associated with waste containers and proper disposal of waste.
- I. Vendor is to have all equipment necessary to perform the installation and service including, tools, staging, lift truck, etc. No CCRI equipment or tools will be available.
- J. A Conex box is allowed for storage on site. Location to be determined.
- K. The College operations cannot be disrupted by any noise.

**1.05 OWNER REQUIRED SUBCONTRACTORS**

- A. The existing sprinkler system and fire alarm system was recently installed and is still under warranty. In order to maintain this warranty the following subcontractors must be used:
1. SPRINKLER - Delta Mechanical Contractors, LLC
  2. FIRE ALARM - Calson Corp.
- B. This work is to be provided as part of the base bid. These subcontractors are to provide services at the direction of the GC and must follow the contract documents.

**PART 2 PRODUCTS (Not Applicable)**

**PART 3 EXECUTIONS (Not Applicable)**

**END OF SECTION 01 11 00**



**CCRI KNIGHT CAMPUS**  
**STUDENT COMMONS - HI-TECH/ACOUSTIC & A/V UPGRADES**  
**Warwick, Rhode Island 02886** **AA15070**

**SECTION 09 84 00**

**Revised 6/1/2016**

**ACOUSTICAL WALL TREATMENT**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section Includes: Exposed painted Cementitious wood fiber plank acoustical Wall and Ceiling panel system, Fabric covered Cementitious wood fiber plank acoustical Wall panel system and installation accessories.

**1.02 REFERENCES**

- A. ASTM International:
  - 1. ASTM C635 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
  - 2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 3. ASTM E1264 Standard Classification for Acoustical Ceiling Products.
- B. Ceilings and Interior Systems Construction Association (CISCA):
  - 1. CISCA Code of Practices.

**1.03 SYSTEM DESCRIPTION**

- A. Performance Requirements:
  - 1. Provide acoustical wall panel assembly designed and tested to provide surface burning characteristics (ASTM E84) as follows:
    - Tectum Finale Wall Panels:
      - a. Flamespread: 5.
      - b. Smoke Developed: 15.
    - Tectum Finale Fabri-tough II Decor Wall Panels:
      - a. Flamespread: 0.
      - b. Smoke Developed: 0.
  - 2. Provide acoustical wall panel system which has been manufactured, fabricated and installed to provide Noise Reduction Coefficient (NRC) rating as follows:
    - a. NRC rating of 85.

**1.04 SUBMITTALS**

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1

Submittal Procedures Section.

- B. Product Data: Submit manufacturer’s product data and installation instructions.
  - 1. Recommended procedures for normal cleaning and removal of stains including precautions in use of cleaning materials that may be detrimental to surfaces.
- C. Samples: Submit selection and verification samples: 6 inch × 6 inch sample for each wall panel unit required, showing full range of exposed texture to be expected in completed work and One 8 inch × 10 inch sample for each fabric color is available..
- D. Quality Assurance/Control Submittals: Submit the following:
  - 1. Test Reports: Upon request, submit certified test reports from recognized test laboratories.
  - 2. Certificates: Submit manufacturer’s certificate that products meet or exceed specified requirements.

**1.05 QUALITY ASSURANCE**

- A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.
- B. Regulatory Requirements and Approvals: Comply with requirements below.
  - 1. International Code Council (ICC):
    - a. ICC-ES Evaluation Report ESR-1112.

Pre-installation Meetings: A pre-installation meeting shall be held prior to installation of any acoustic wall/ceiling panels in accordance with the Administrative Procedures section of this specification. Contractor, Architect and Owner shall be present for this meeting to review installation methods and contractors means of accessing all areas to receive panels.

**1.06 DELIVERY, STORAGE & HANDLING**

- A. General: Comply with Division 1 Product Requirement Section.
- B. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.
  - 1. Prevent soiling, physical damage or wetting.
  - 2. Store cartons open at each end to stabilize moisture content and temperature.

**1.07 PROJECT/SITE CONDITIONS**

- A. Environmental Requirements:
  - 1. Locate materials onsite at least 24 hours before beginning installation to allow materials to reach temperature and moisture content equilibrium.
  - 2. Maintain the following conditions in areas where acoustical materials are to be installed 24 hours before, during and after installation:
    - a. Relative Humidity: 65 - 75%.
    - b. Uniform Temperature: 55 - 70 degrees F (13 - 21 degrees C).

**1.08 MAINTENANCE**

- C. Extra Materials: Provide 5% additional material for use by owner in building maintenance and repair.
- D. Provide new unopened cartons of extra materials, packaged with protective covering for storage, identified with appropriate labels.

**PART 2 PRODUCTS**

**2.01 ACOUSTICAL WALL AND CEILING PANEL SYSTEM**

- A. Manufacturer: Tectum Inc.
  - 1. Contact: 105 South Sixth Street, Newark, OH 43055; Telephone: (888) 977-9691, (740) 345-9691; Fax: (800) 832-8869; E-mail: [info@tectum.com](mailto:info@tectum.com); website: [www.tectum.com](http://www.tectum.com).

- B. Proprietary Systems. Acoustical Wall and ceiling panel systems, including the following:
1. **ACOUSTICAL WALL PANEL 1** - Tectum Finalé Wall and Ceiling Panels:
    - a. Material: Aspen wood fibers bonded with inorganic hydraulic cement.
    - b. Thickness: 1 inch (25.4 mm) baseboard + 1 inch (25.4 mm) Tectum furring with SoniCor fiber core between furring.
    - c. Edge: Long edges beveled.
    - d. Width: 47¾ inches.
    - e. Length: 96 inches – 120 inches See construction drawings.
    - f. Color: Factory painted white with field applied Custom Color as selected by Owner / Architect.
    - g. Mounting Style: “A”. Provide all fasteners, OCF 703 fiberglass insulation for a complete single source installation.
  
  2. **ACOUSTICAL WALL PANEL 2** - Tectum Finalé Fabri-Tough II Wall Panels (Woven Fabric Lines):
    - a. Material: Aspen wood fibers bonded with inorganic hydraulic cement.
    - b. Thickness: 1 inch (25.4 mm) baseboard + 1 inch (25.4 mm) Tectum furring with SoniCor fiber core between furring.
    - c. Edge: Fabric returned at edges to back on all sides of panel.
    - d. Width: 23 3/4 inches.
    - e. Length: 96 inches.
    - f. Fabric Covering: Guilford of Maine Color Line Metro#3077.
    - g. Mounting Style: “A”. Plastic Z-clip attachment. Provide all fasteners, OCF 703 fiberglass insulation for a complete single source installation.

## 2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: Refer to section 01 60 00 Product Requirements for substitutions.

## 2.03 ACCESSORIES

- A. Provide accessories as follows:
1. Tectum Painted Head Drywall Screws:
    - a. Material: Steel.
    - b. Length: [1 5/8 inches (41 mm)] [2¼ inches (57 mm)] [3 inches (76 mm)].
    - c. Color: Match color of field painted panels
  2. Tectum Z-clip:
    - a. Material: Plastic.
  3. Tectum Moulding:
    - a. Material: Plastic.
    - b. Designation: [CHC] [CHH].
  4. Tectum Touch-Up Paint:
    - a. Color: Custom color to match field applied paint color.

### **PART 3 EXECUTION**

#### **3.01 MANUFACTURER’S INSTRUCTIONS**

- A. Comply with the instructions and recommendations of the acoustical wall panel system manufacturer.
- B. Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.
  - 1. Comply with CISCA Code of Practices.

#### **3.02 EXAMINATION**

- A. Site Verification of Conditions:
  - 1. Examine surfaces scheduled to receive directly attached acoustical units for unevenness, irregularities and dampness that would affect quality and execution of work.
  - 2. Do not proceed with installation of wall panel system until unacceptable conditions are corrected.

#### **3.03 INSTALLATION**

- A. Install factory supplied furring strips using specified screws. Screw head to be flush with panel surface. DO NOT COUNTERSINK.
- B. Securely affix wall panels by means of splines attached vertically to smooth wall or furring strips. Engage vertical kerfs on the edges of the wall panels with splines. Apply adhesive or use Velcro hook and loop fastening where necessary.
- C. Tectum Finale Fabri-tough II Decor Panels - Cut edges of wall panel shall be wrapped in existing fabric as per manufacturers standard methods and details.
- D. Tectum Finale panels - Cut edges shall be infilled with Tectum furring strip to match existing. SoniCor fiber core shall be trimmed to fit cavity.
- E. Installation: Install fasteners spaced per manufacturers installation requirements.

#### **3.04 CLEANING**

- A. Clean exposed surfaces of acoustical panel, trim, moldings to comply with manufacturer’s instructions for cleaning.
- B. Touch up any minor finish damage.
- C. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

#### **3.05 PROTECTION**

- A. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

**END OF SECTION 09 84 00**



**CCRI KNIGHT CAMPUS**  
**STUDENT COMMONS - HI-TECH/ACOUSTIC & A/V UPGRADES**  
**Warwick, Rhode Island 02886**

**AA15070**

**SECTION - 09 84 36**

**Revised 6/1/2016**

**SOUND-ABSORBING CEILING UNITS**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section Includes: Sailcloth Finish, fiberglass core suspended acoustical baffles.

**1.02 REFERENCES**

- A. ASTM International:
1. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorbtion Coefficients by the Reverberation Room Method.
  2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.

**1.03 SYSTEM DESCRIPTION**

- A. Performance Requirements:
1. Provide acoustic baffle assembly designed and tested to provide Class A surface burning characteristics per ASTM E84.
  2. Provide acoustical wall panel system which has been manufactured, fabricated and installed to provide Noise Reduction Coefficient (NRC) rating as follows:
    - a. Required NRC rating of 1.15.

**1.04 SUBMITTALS**

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit manufacturer's product data and installation instructions.
1. Recommended procedures for normal cleaning and removal of stains including precautions in use of cleaning materials that may be detrimental to surfaces.
- C. Samples: Submit selection and verification samples: One 8 inch × 10 inch sample for fabric color noted within the construction documents.
- D. Quality Assurance/Control Submittals: Submit the following:
1. Test Reports: Upon request, submit certified test reports from recognized test laboratories.
  2. Certificates: Submit manufacturer's certificate that products meet or exceed specified requirements.

**1.05 QUALITY ASSURANCE**

- A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.
- B. Regulatory Requirements and Approvals: Comply with requirements below.
  - 1. International Code Council (ICC):
    - a. ICC-ES Evaluation Report ESR-1112.

Pre-installation Meetings: A pre-installation meeting shall be held prior to installation of any acoustic wall/ceiling panels in accordance with the Administrative Procedures section of this specification. Contractor, Architect and Owner shall be present for this meeting to review installation methods and contractors means of accessing all areas to receive panels.

#### **1.06 DELIVERY, STORAGE & HANDLING**

- A. General: Comply with Division 1 Product Requirement Section.
- B. Store product in unopened cartons in a clean, cool, dry interior space. Cartons and products must be protected against marring, water, dirt or damage during delivery and storage.

### **PART 2 PRODUCTS**

#### **2.01 ACOUSTICAL CEILING BAFFLE SYSTEM**

- A. Manufacturer: MBI Products Company, Inc. or approved equal
  - 1. Contact: 801 Bond Street, Elyria, OH 44035-3318; Telephone: (440) 322-6500 ; Fax: (440) 322-1900 ; E-mail:sales@mbiproducts.com; website:www.mbiproducts.com.
- B. Acoustical Ceiling Baffle systems:
  - 1. MBI Cloud-lite Baffle Series 2600P-2065-GGF:
    - a. Material: 1.65# Ecos Fiberglass core with Nylon Sailcloth fabric
    - b. Geometric Shape: Rectangular
    - c. Size: 4'-0" x 8'-0"
    - d. Thickness: 2 inches
    - e. Edge Shape: Square.
    - f. Edge Construction: Sewn Edges
    - g. Color: Guildford of Maine color line Metro#3077.
    - h. Incombustibility: Class A per ASTM E84 25/0/50
    - i. Suspension Provision: Nickel Plated Brass Grommets in Flap

#### **2.02 PRODUCT SUBSTITUTIONS**

- A. Substitutions: Refer to section 01 60 00 Product Requirements for substitutions.

### **PART 3 EXECUTION**

#### **3.01 MANUFACTURER'S INSTRUCTIONS**

- A. Comply with the instructions and recommendations of the acoustical ceiling baffle system manufacturer.
- B. Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.

#### **3.02 EXAMINATION**

- A. Site Verification of Conditions:
  - 1. Examine surfaces scheduled to receive acoustic ceiling baffles for accessibility.
  - 2. Do not proceed with installation of wall panel system until unacceptable conditions are corrected.

### 3.03 INSTALLATION

- A. MBI acoustical panels shall be located and spaced as detailed on reflected ceiling plans and/or interior elevations and details.
- B. The acoustic system shall be installed only by an approved contractor.
- C. Coordinate locations of acoustic ceiling baffle placement with all existing items such as HVAC, Fire suppression, Fire Alarm, etc..
- D. Suspend Panels from fasteners embedded into the existing concrete floor structure. Attach panels using coated wire.

### 3.04 CLEANING

- A. Clean exposed surfaces of acoustical panel to comply with manufacturer's instructions for cleaning.
- B. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

### 3.05 PROTECTION

- A. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

**END OF SECTION 09 84 36**



State of Rhode Island  
Division of Purchases  
One Capitol Hill  
Providence, RI 02908

**"MANDATORY" PRE-BID CONFERENCE SIGN IN SHEET**

Mandatory Pre-bid Conference. Any vendor who intends to submit a bid proposal in response to this solicitation must have its representative attend this mandatory prebid conference, sign, and complete all required information on this Sign-In Sheet. Failure to comply with this requirement will result in the rejection of any bid proposal.

**BID NUMBER:** 7550578  
**BID TITLE:** Warwick Campus Renewal Hi Tech Acoustical - CCRI  
**PRE-BID DATE AND TIME:** 5/23/16 @ 8:30 am

**Purchasing Representative:** Gary P. Mosca  
**Mandatory Pre-bid START TIME:** 8:30 AM  
**Mandatory Pre-bid END TIME:** 5:47 PM

COMPANY NAME	COMPANY REPRESENTATIVE	SIGNATURE	ADDRESS	CONTACT E-MAIL	CONTACT PHONE NUMBER AND FAX NUMBER	PROPOSAL SUBMITTED (For Purchasing Use Only)
1 State of RI	GARY MOSCA	<i>Gary Mosca</i>	600 South Hill, Pawtucket	gary.mosca@purchasing.state-ri.us	401-574-6124	
2 CCRI	Mark L. Boffi	<i>Mark Boffi</i>	250 SCARLETON RD, N. PROVDNS	BIDS @ Bentley LLC.COM	401-490-1861	
3 Bentley	Paul Tierney	<i>Paul Tierney</i>			401-223-6499	
4 CCRI	Therese Ryder	<i>Therese Ryder</i>				
5 ASSOCIATED ENGRS	RACHA. DeLivo	<i>RACHA DeLivo</i>	1295 IRAD WIDE HILL RD	ASSOCIATED ENGRS @ CMHL.COM	401-651-0923	
6 MHI Construction	Russell WAZZINI	<i>Russell WAZZINI</i>	2040 SUTHERLAND ST	RVZ@RVZ.COM	401-272-9751	
7 Tower Construction	AL Paulos	<i>AL Paulos</i>	10 Southern Industrial Dr	IN60 @ TowerConstruction.com	9430110 744 4041	
8 MILL CITY	MIRE HORTZ	<i>MIRE HORTZ</i>	7019 GACAT RD LINCOLN, RI	MIRE @ MILL-CITY.COM	401-766-3100 765-8910	
9 ASSOCIATION ASSOC.	Alex Zimbar	<i>Alex Zimbar</i>	300 620th Ave #10 SWHYBID RI	ASSOCIATION ASSOC. FROM	401-837-5200	
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