

## OJAI UNIFIED SCHOOL DISTRICT

**BID ADDENDUM NO. 2**      ISSUED 10/4/2019

### TO THE CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS FOR OJAI UNIFIED SCHOOL DISTRICT

**LIBRARY REMODEL  
AT NORDHOFF HIGH SCHOOL  
PROJECT NO. 2019-1714**

THE BIDDER SHALL ATTACH THE ADDENDUM TO THE DOCUMENTS SUBMITTED WITH THE BID TO OJAI UNIFIED SCHOOL DISTRICT TO CERTIFY THAT THE BID ADDENDUM INFORMATION WAS RECEIVED.

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**BID DUE DATE: 3:00 pm (local) Wednesday, October 9, 2019**

The following additions, modifications, corrections, deletions and clarifications are hereby made to the Contract Documents of the subject Project and constitute **Addendum Number 2**. This Addendum is hereby incorporated into the contract documents by reference.

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#### I. GENERAL INFORMATION

##### A. Contract Documents

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No change.

#### II. REVISED SPECIFICATIONS AND DRAWINGS

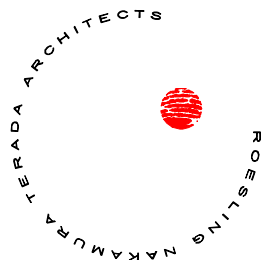
##### A. Specifications – All Projects

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Item 1. Specification Section 094346 – Sound-absorbing Ceiling Units revised to coordinate with indicated ceiling scope per RFI #\_\_ below.

LIBRARY REMODEL  
AT NORDHOFF HIGH SCHOOL  
PROJECT NO 2018-1714

ADDENDUM NO. 2



**B. Drawings**

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No Change.

---- REVISED DOCUMENTS ATTACHED. ----

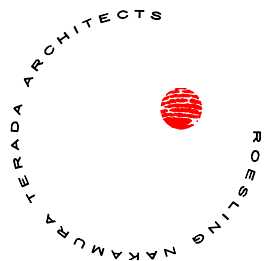
END OF **BID ADDENDUM NO. 2** ISSUED 10/4/2019

**III. RESPONSES TO REQUESTS FOR INFORMATION**

No.	QUESTION	RESPONSE	RESPONSE BY
1	Spec section 098436-4, 2.3, A-3 says includes glass fiber blanket insulation above panel. Drawing AD-401, detail 15 shows acoustic ceiling panel mounted directly to existing ½” plywood and does not show insulation or any furring strips. Please clarify which method is to be used.	Specification section 094346 is revised to coordinate with drawings. Revised specification included in this Bid Addendum.	RNT
2	Please clarify work times and which work is able to be accomplished during standard school hours	Please refer to Specification Section 011000. The only limit on work during school hours that produces noticeable noise disturbances must be coordinated with District project manager ahead of time. Normal school hours are Monday through Friday 7:45 am till 2:45 pm, available work hours are 7 am to 7 pm weekdays and 7 am to 7 pm Saturdays by permission. In addition, large vehicle activities or deliveries must happen outside of start and end of school so as not to interrupt student vehicle traffic. The intent is to minimize disturbance to normal school activities, not require no disturbance to school activities.	District
3	Are there any activities that will require	Connection of new electrical system	District

LIBRARY REMODEL  
 AT NORDHOFF HIGH SCHOOL  
 PROJECT NO 2018-1714

ADDENDUM NO. 2



after hours work?		to old or interruption of existing utilities must happen outside of school hours.	
4	Will the current exterior project be complete prior to this one starting	It is possible that the exterior work will not be completed prior to the start of this project. Impacts should be minimal beyond coordination of site access. Will be discussed in more detail at preconstruction meeting	District
5	Please post previous RFI questions and answers from original Library project that was not awarded	Previous RFI questions and answers from unawarded previous Library bid are still available online in Bid Addenda 01-04 on the OUSD solicitations portal webpage under Expired Bids tab	RNT

## SECTION 098436 - SOUND-ABSORBING CEILING UNITS

### 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 shop-fabricated, acoustical panel units tested for acoustical performance, including the following:
  - 1. Sound-absorbing ceiling panels.

#### 1.3 DEFINITIONS

- A. NRC: Noise Reduction Coefficient.
- B. SAA: Sound Absorption Average.

#### 1.4 PREINSTALLATION MEETINGS

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

#### 1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include material, panel type and mounting indicated.
- B. Shop Drawings: For unit assembly and installation.
  - 1. Include reflected ceiling plans, and mounting devices and details.
  - 2. Include details at joints and corners; and details at ceiling intersections and intersections with walls. Indicate panel edge profile and core materials.
- C. Samples for Initial Selection: For each type of fabric facing.
  - 1. Include Samples of hardware and accessories involving color or finish selection.
- D. Samples for Verification: For the following products:
  - 1. Core Material: 12-inch- (300-mm-) square Sample at corner.

## 1.6 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Reflected ceiling plans and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
  - 1. Electrical outlets.
  - 2. Items penetrating or covered by units including the following:
    - a. Lighting fixtures.
    - b. Air outlets and inlets.
    - c. Speakers.
    - d. Alarms.
    - e. Sprinklers.
  - 3. Show operation of hinged and sliding components covered by or adjacent to units.
- B. Product Certificates: For each type of unit.
- C. Sample Warranty: For manufacturer's special warranty.

## 1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of unit to include in maintenance manuals. Include fabric manufacturer's written cleaning and stain-removal instructions.

## 1.8 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Fabric: For each fabric, color, and pattern installed, furnish length equal to [10] <Insert number> percent of amount installed, but no fewer than [10 sq. yd. (9 sq. m)] <Insert quantity>, full width of bolt.
  - 2. Panels: Full-size units equal to 5 percent of amount installed, but no fewer than ten panels, wrapped in a protective bundle.

## 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabric and unit manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials and units in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

#### 1.10 FIELD CONDITIONS

- A. Environmental Limitations: Do not install units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Verify unit locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.

#### 1.11 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace units and components that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Acoustical performance.
    - b. Panel sagging, distorting, or releasing from fasteners.
    - c. Warping of panel.
  - 2. Warranty Period: Two years from date of Substantial Completion.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Source Limitations: Obtain ceiling units specified in this Section from single source from single manufacturer.

#### 2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
  - 1. Surface-Burning Characteristics: Comply with ASTM E 84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
    - a. Flame-Spread Index: 25 or less.
    - b. Smoke-Developed Index: [450] <Insert value> or less.
    - c. Class A.
  - 2. Fire Growth Contribution: Comply with acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 286.

## 2.3 SOUND-ABSORBING CEILING UNITS

### A. Sound-Absorbing Ceiling Panel: Manufacturer's standard panel.

1. Basis of Design: Tectum Direct-Attach
2. Panel Shape: Flat.
3. Mounting: Surface mounted with manufacturer recommended fasteners and manufacturer-recommended spacing, secured to substrate ~~with channels fastened to substrate with clips. Includes glass fiber blanket insulation above panel.~~
  - a. Mounting Type: ~~A C-40~~
4. Panel Material: Cementitious-fiber board.
5. Color: White.
6. Size: 23-3/4 inch by 48 inch.
7. Edge Profile: Square.
8. Reveals between Panels: none.
9. Acoustical Performance: Sound absorption NRC of not less than **0.40** ~~0.80~~ according to ASTM C 423.
10. Nominal Overall Panel Thickness:
  - a. Panel: 1 inch (25 mm).
  - b. ~~Glass Fiber Blanket Insulation above: 2 1/2"~~

## 2.4 MATERIALS

### A. Core Materials: Manufacturer's standard.

~~B. Acoustic Insulation Batt: Refer to Section 072100 "Thermal Insulation" for requirements.~~

~~C. Mounting Devices: Concealed on back or top edge of unit, recommended by manufacturer to support weight of unit.~~

- ~~1. Drywall Grid~~
- ~~2. Rigid Attachment Clip.~~

### D. Fasteners:

1. Color: To match panel.
2. For wood substrates: #6 x 1-5/8" Painted Head Sharp Point Screws.
- ~~3. For sheet metal supports: #6 x 1-5/8" Painted Head Drill Point Screws.~~

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine panels, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install units in locations indicated. Unless otherwise indicated, install units with edges in alignment with walls and other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.
- B. Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting substrate.

### 3.3 INSTALLATION TOLERANCES

- A. Variation from Alignment with Surfaces: Plus or minus 1/16 inch (1.6 mm) in 48 inches (1200 mm), noncumulative.
- B. Variation from Level or Slope: Plus or minus 1/16 inch (1.6 mm).
- C. Variation of Joint Width: Not more than 1/16 inch (1.6 mm) wide from hairline in 48 inches (1200 mm), noncumulative.

### 3.4 CLEANING

- A. Replace damaged or broken ceiling panels.
- B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

END OF SECTION 098436



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