

## Modular Arts, Inc.

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# modulararts®

3-Part Specification for  
**AuralScapes®**  
Mineral Profile Ceiling Tiles

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### GENERAL NOTES TO SPECIFIER:

THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI), AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING. THE BASIC FORMAT FOLLOWS CSI'S *SECTIONFORMAT™/PAGEFORMAT™*, 2008 EDITION

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT. NUMBERS AND TITLES REFERENCED ARE BASED ON *MASTERFORMAT™*, 2010 EDITION.

THIS SECTION ASSUMES THE PROJECT MANUAL WILL CONTAIN COMPLETE DIVISION 1 DOCUMENTS INCLUDING:

- 01 25 00 SUBSTITUTION PROCEDURES
- 01 33 00 SUBMITTAL PROCEDURES
- 01 43 36 FIELD SAMPLES
- 01 62 00 PRODUCT OPTIONS
- 01 66 00 PRODUCT STORAGE AND HANDLING REQUIREMENTS
- 01 74 00 CLEANING AND WASTE MANAGEMENT
- 01 77 00 CLOSEOUT PROCEDURES
- 01 78 00 CLOSEOUT SUBMITTALS

CLOSE COORDINATION WITH DIVISION 1 SECTIONS IS REQUIRED. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES.

THIS IS A CLOSED PROPRIETARY SPECIFICATION.

NOTES TO THE SPECIFIER ARE CONTAINED IN BOXES AND SHOULD BE DELETED FROM FINAL COPY.

GREY HIGHLIGHTED GREEN TEXT AND NOTES ARE APPLICABLE TO PROJECTS SEEKING CERTIFICATION BY A SUSTAINABLE BUILDING RATING AGENCY. LEED® V3 (2009) CRITERIA IS REFERENCED HEREIN AND SHOULD BE MODIFIED ACCORDINGLY IF THE USGBC IS NOT THE CERTIFICATION AGENCY. THIS TEXT MAY BE DELETED IN ITS ENTIRETY IF THE PROJECT IS NOT INTENDED TO ATTAIN A SUSTAINABLE BUILDING CERTIFICATION.

OPTIONAL ITEMS REQUIRING SELECTION BY THE SPECIFIER ARE ENCLOSED WITHIN BRACKETS, E.G. [35] [40] [45]. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

ITEMS REQUIRING ADDITIONAL INFORMATION ARE UNDERLINED BLANK SPACES, E.G. \_\_\_\_\_ .

**VIOLET TEXT IDENTIFIES OPTIONAL PARAGRAPHS AND FEATURES THAT MAY BE INCLUDED OR DELETED DEPENDING ON PROJECT REQUIREMENTS.** CONVERT THE VIOLET TEXT TO BLACK WHEN INCLUDING THESE PARAGRAPHS OR FEATURES. WHEN DELETING A PARAGRAPH, BE CERTAIN THAT ALL SUBPARAGRAPHS ARE ALSO DELETED.

REVISE HEADER AND FOOTER TO SUIT PROJECT/OFFICE REQUIREMENTS.

ELECTRONIC VERSIONS OF THIS SPECIFICATION UTILIZE AUTOMATIC PARAGRAPH NUMBERING.

WHEN EDITING IS COMPLETE, DELETE ALL TEXT ON THESE TWO PAGES, THEN REMOVE THE SECTION BREAK AT THE TOP OF THE NEXT PAGE TO REMOVE THESE PAGES FROM THE DOCUMENT.

**SPECIFICATION BEGINS ON THE FOLLOWING PAGE.**

SECTION 09 51 00

MINERAL PROFILE CEILING TILES

1. GENERAL

1.1. SUMMARY

- A. Section Includes: Mineral profile ceiling tiles to create a sculptured ceiling surface which provide sound diffusion.

COORDINATE FOLLOWING PARAGRAPH WITH 2.2 B. RETAIN IF INSTALLATION KIT IS SPECIFIED IN 2.2 B. DELETE IF INSTALLATION KIT IS NOT SPECIFIED.

**B. Products Supplied but Not Installed/Used Under This Section: 2.2.B**

INCLUDE PARAGRAPH AS FOLLOWS IN SECTION UNDER 1.1 SUMMARY: "PRODUCTS FINISHED BUT NOT SUPPLIED UNDER THIS SECTION: MINERAL PROFILE CEILING TILES –SECTION 09 51 00."

C. Related Requirements:

INCLUDE ALL DIVISION 01 SECTIONS AND TITLES CONTAINING LEED® REQUIREMENTS.

INCLUDE SECTION SPECIFYING GRID FOR PROFILE CEILING TILES

1. 01 \_\_\_\_\_.
2. Recommended T-Grid: Armstrong® Prelude® XL® Exposed Tee System Grid
3. Required:
  - a. The grid must be steel or composed of a ferrous material (magnetic)
  - b. The grid system must be rated to support the applied weight of the tiles, and include the specific number and placement of hangers (per the grid manufacturer)
  - c. With a cloud installation, the grid perimeter must be comprised of T-section components to permit use of provided edge trim specific to the tile product (Do not use system perimeter angle components as a border)

INCLUDE APPROPRIATE LANGUAGE BELOW IF PRODUCTS SPECIFIED IN THIS SECTION ARE TO BE BID AS ALTERNATES. OTHERWISE DELETE FOLLOWING ARTICLE.

**1.2. PRICE AND PAYMENT PROCEDURES**

A. Alternates:

1. Refer to Section 01 23 00 Alternates.

### 1.3. REFERENCES

#### A. Abbreviations and Acronyms:

1. ASTM American Society for Testing and Materials.
2. GA Gypsum Association.
3. LEED®: Leadership in Energy and Environmental Design.
4. USGBC United States Green Building Council.

#### B. Reference Standards:

1. NFPA 286 Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.
2. ASTM (Number Pending) Standard Test Method for Measuring Surface Sound Reflectivity/Diffusion
3. ASTM E 84 Standard Test Methods for Surface Burning Characteristics of Building Materials.
4. ASTM C635 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
5. ASTM E1264 Standard Classification for Acoustical Ceiling Products
6. US Green Building Council: LEED® Green Building Rating System™.

### 1.2. ADMINISTRATIVE REQUIREMENTS

#### A. Pre-installation Meetings:

1. Convene meeting at project site within one week of scheduled start of installation with representatives of the following in attendance: Owner, Architect, General Contractor, Installer, Finisher, and Painter.
2. Review installed grid conditions, requirements of related work, installation instructions, and handling procedures, and protection measures.
3. Keep minutes of meeting including responsibilities of various parties and deviations from specifications and installation instructions.

### 1.3. ACTION SUBMITTALS

A. Product Data: Each product specified.

B. Shop Drawings: Show standard and project specific details including termination at adjacent surfaces.

C. Samples: Minimum 16 x 16 inch tile of specified design(s).

### 1.4. INFORMATIONAL SUBMITTALS

A. Manufacturer's installation instructions.

Project No.  
Date

Project Name  
Project Location

RETAIN PARAGRAPH B., C., D., OR E. BELOW DEPENDING ON PROJECT TYPE AND DELETE THE INAPPROPRIATE PARAGRAPHS.

**B. LEED® for [New Construction] Sustainable Design Submittals:**

1. LEED® Materials and Resources 5.1 – Regional Materials (based on project location).

COMPLETE FOLLOWING PARAGRAPH IN COORDINATION WITH THE QUALITY ASSURANCE ARTICLE, PARAGRAPH A.

C. Regulatory agency sustainability submittals:

D. Qualification Statements: Proof of manufacturer, and installer qualifications.

### 1.7. QUALITY ASSURANCE

FOLLOWING APPROVALS MAY BE REQUIRED BY CERTAIN REGULATORY AGENCIES WHETHER OF NOT THE PROJECT IS SEEKING A SUSTAINABLE BUILDING CERTIFICATION. INCLUDE APPROVALS AS REQUIRED.

A. Regulatory Agency Sustainability Approvals:

B. Qualifications:

1. Manufacturer: Minimum five years experience in producing mineral profile paneling.
2. Installer: Minimum three years experience installing suspended ceiling systems

C. Field Samples:

1. Provide in a location selected by Architect showing representative sample of installed product.
2. Minimum Size: [4 by 4 feet] [ \_\_ by \_\_ feet].
3. Do not proceed with additional work until field sample has been approved by Architect.
4. If needed, refinish field sample installation as needed to obtain approval.
5. Approved field samples may remain as part of completed Work.

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## 1.8. DELIVERY, STORAGE, AND HANDLING

### A. Storage and Handling Requirements:

1. Tile surfaces are fragile and not designed for constant handling. Plan and stage product installation with this in mind.
2. Use care and always wear clean gloves when handling tiles to avoid marking/transferring foreign material to the tile surface.
3. Store tiles in fully enclosed space, protected against damage from moisture, direct sunlight, and surface contamination.
4. Store tiles as shipped, in original packaging, until ready to be installed.

### B. Packaging Waste Management: 100 percent of materials used to package components of this section shall be recyclable.

## 1.9. WARRANTY

### A. Manufacturer Warranty: Provide manufacturer's standard [limited warranty](#).

## 2. PRODUCTS

### 2.1. MANUFACTURER

#### A. Modular Arts, Inc.

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Fax: 206.788.4214

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#### B. Substitution Limitations: None permitted.

Project No.  
Date

Project Name  
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## 2.2. COMPONENTS

- A. Profile Ceiling Tile: Smooth surface mineral composite ceiling tile with light weight foam core.
1. Size: 24 by 24 by 2.5 inch maximum profile relief.
  2. Physical Properties:
    - i. Surface Sound Reflectivity/Diffusion: ASTM number pending Results available
    - b. Room Corner Burn Test (full assembly): NFPA 286 Pass
    - c. Flame Spread Index (full assembly): ASTM E 84 0
    - d. Smoke Development Index (full assembly): ASTM E 84 50
    - e. Weight 1.6 psf

3. SELECT DESIRED DESIGN AND TRIM FROM MODULAR ARTS WEBSITE [www.modulararts.com](http://www.modulararts.com); CLICK ON "AuralScapes® CEILINGS" TO VIEW DESIGNS NOTED BELOW.

3. Design: \_\_\_\_\_ ©; Cloud Perimeter Trim: \_\_\_\_\_;  
Note: Modular Arts designs are protected by registered copyrights and may not be duplicated. Attempts to copy or closely mimic Modular Arts original designs will be considered a violation of intellectual property rights.

- B. Included with each tile:
1. Safety turn-lock set (2 ea. turn-locks)
  2. Retention lanyard (1 ea.)
- C. Included with shipment:
1. Customer specified edge trim

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### 2.3. SOURCE QUALITY CONTROL

#### A. Fabrication Tolerances:

1. Dimensions, length and width:  $\pm 1/16$  inch.
2. Thickness:  $\pm 1/16$  inch.
3. Weight:  $\pm 1/2$  lb.

### 3. EXECUTION

#### 3.1. EXAMINATION

- A. Examine grid upon which profile ceiling tiles will be installed.
  1. Verify that grid is acceptable per item 1.1.C.3. in these specifications.
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of grid conditions.

#### 3.2. INSTALLATION

MODULAR ARTS INSTALLATION INSTRUCTIONS COVER NORMAL INSTALLATION CONDITIONS. UNUSUAL CONDITIONS MAY REQUIRE ADDITIONAL INFORMATION IN THIS ARTICLE.
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- A. Install profile ceiling tiles in accordance with Manufacturer's Installation Instructions.

#### 3.3. CLEANING

- A. Waste Management: Refer to Section 01 74 00 Cleaning and Waste Management.

#### 3.4. PROTECTION

- A. Protect finished work from damage during remainder of construction period.

END OF SECTION<sup>1</sup>



Project No.  
Date

Project Name  
Project Location

- <sup>1</sup> This specification was prepared specifically for Modular Arts, Inc. by ASC Specification Consultants. Comments or suggestions for improvement should be addressed to: Modular Arts, Inc., 2400 NW 80<sup>th</sup> St #106, Seattle, WA 98117; Tel 206.788.4210; e-mail: [info@modularArts.com](mailto:info@modularArts.com)

ISSUE DATE: JANUARY 8, 2021.

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