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 SUBSTITUTE 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 06 26 14

MINERAL PROFILE PANELING

1. GENERAL

1.1. SUMMARY

A. Section Includes: Light weight composite mineral profile paneling and seam finishing materials to create a monolithic sculptured wall surface.

B. Products Supplied But Not Installed/Used Under This Section: Installation kit.

C. Related Requirements:

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

   INCLUDE SECTION SPECIFYING SUBSTRATE FOR PROFILE PANELING IF SUBSTRATE IS NOT GYPSUM BOARD, AND DELETE THE PHRASE "SUBSTRATE AND" FORM FOLLOWING PARAGRAPH.

   INCLUDE A REFERENCE IN SECTION 09 29 00–GYPSUM BOARD, TO THE PROFILE PANEL MANUFACTURER'S INSTRUCTIONS FOR FINISHING SEAMS AND CROSS REFERENCE TO THIS SECTION.

   1. 01 _______________________________________________________
   2. 09 29 00–Gypsum Board: Substrate and seam finishing.

   INCLUDE THE PROFILE PANELING MANUFACTURER’S SPECIFIC INSTRUCTIONS FOR SEALING AND PAINTING IN THE PAINTING SECTION AND CROSS REFERENCE TO THIS SECTION.

   3. 09 91 23–Interior Painting: Sealing and painting of modular screen wall.
   4. 26 51 00–Interior Lighting.

   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:
   2. GA: Gypsum Association.
   3. LEED®: Leadership in Energy and Environmental Design.

B. Reference Standards:
   3. NFPA 286 Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
   5. GA-214 Recommended Levels of Gypsum Board Finish.

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 substrate conditions, requirements of related work, installation instructions, seam finishing, and painting instructions, storage 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. Project List: Minimum 5 previous completed ModularArts, Inc. installations or 5 installations of similar materials and complexity. Include contact name and e-mail address or telephone number for each project.

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

D. Samples: Minimum 15 by 15 inch panel of specified design(s).

1.4. INFORMATIONAL SUBMITTALS

A. Manufacturer's installation instructions.
B. LEED® for Commercial Interiors Sustainable Design Submittals:
   1. LEED® Materials and Resources 2.1/2.2 – Construction Waste Management.
   2. LEED® Indoor Environmental Quality 4.1 – Adhesives and Sealants.

C. LEED® for [New Construction] Sustainable Design Submittals:
   1. LEED® Materials and Resources 2.1/2.2 – Construction Waste Management.
   2. LEED® Materials and Resources 5.1 – Regional Materials (based on project location).
   3. LEED® Indoor Environmental Quality 4.1 – Adhesives and Sealants.

D. LEED® for Core & Shell Sustainable Design Submittals:
   1. LEED® Materials and Resources 2.1/2.2 – Construction Waste Management.
   2. LEED® Indoor Environmental Quality 4.1 – Adhesives and Sealants.

E. LEED® for [New Construction and Major Renovations] [Schools] Sustainable Design Submittals:
   1. LEED® Materials and Resources 2.1/2.2 – Construction Waste Management.
   2. LEED® Indoor Environmental Quality 4.1 – Adhesives and Sealants.

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

F. Regulatory agency sustainability submittals:

G. Qualification Statements: Proof of manufacturer, installer, and finisher qualifications.

1.7. QUALITY ASSURANCE

FOLLOWING APPROVALS MAY BE REQUIRED BY CERTAIN REGULATORY AGENCIES WHETHER OR 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 in finish carpentry/architectural woodwork installation.
   3. Finisher: Minimum three years experience in executing Level 5 finish in accordance with GA-214.

INCLUDE A REQUIREMENT IN THE QUALIFICATIONS PARAGRAPH OF 09 29 00–GYPSUM BOARD, SPECIFYING A MINIMUM OF THREE YEARS EXPERIENCE FOR THE TECHNICIAN FINISHING THE SEAMS OF THE PROFILE PANELING SPECIFIED IN THIS SECTION.

C. Field Samples:
   1. Provide in a location selected by Architect showing representative sample of installed product including finished seam.
2. Minimum Size: [8 by 8 feet] [__ by ___ feet].
3. Do not proceed with additional work until field sample installation 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.

1.8. DELIVERY, STORAGE, AND HANDLING

A. Storage and Handling Requirements:
   1. Store panels in fully enclosed space, protected against damage from moisture, direct sunlight, and surface contamination.
   2. Store panels vertically, in shipping crates, until ready to be installed. Loosen crate lids to allow for venting. Do not stack or lean against walls.
   3. Store panels in area of installation minimum 24 hours prior to installation.

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

1.9. FIELD CONDITIONS

A. Ambient Conditions:
   1. HVAC: Operate HVAC system to maintain occupancy level temperature and relative humidity conditions (35 to 67 percent) in the area of installation from 24 hours prior to delivery of panels to the installation area through remainder of construction period.
   2. Lighting: Permanent project lighting, including any special lighting used to highlight the profiled panels, must be operational prior to seam finishing.

1.10. WARRANTY

A. Manufacturer Warranty: Provide manufacturer’s standard limited warranty.

2. PRODUCTS

2.1. MANUFACTURER

A. Modular Arts, Inc.                 Tel:    206.788.4210
                                      Fax:    206.788.4214
CORRESPONDENCE & BILLING ADDRESS:   E-mail: info@modularArts.com
                                      Website: www.modularArts.com
944 NW Leary Way
Seattle, WA 98107

SHIPPING & RECEIVING ADDRESS:
8207 S 192nd St
Kent, WA 98032

Substitution Limitations: None permitted.

Mineral Profile Paneling
06 26 14 - 4
2.2. COMPONENTS

A. Profile Panel: Smooth surface mineral composite panel with light weight plant-based foam back.
   1. Size: 32 by 32 by 1.5 inch maximum profile relief.
   2. Physical Properties:
      a. Izod Impact Strength: ASTM D 256 9.4 ft-lb/in²
      b. Thermal Expansion: ASTM D 696 3.8x10⁻⁷ in/in °F.
      c. Compressive Strength: ASTM D 696 2.3 ksi.
      d. Room Corner Burn Test: NFPA 286 Pass
      e. Flame Spread Index: ASTM E 84 0
      f. Smoke Development Index: ASTM E 84 50
      g. Weight (for all designs excluding MUDD formerly YUMA) 1.5 psf
      h. Weight (for MUDD design only) 3 psf

3. SELECT DESIRED DESIGN FROM MODULAR ARTS WEBSITE www.modulararts.com; CLICK ON “InterlockingRock® PANELS” TO VIEW DESIGNS NOTED BELOW.

3. Design: ____________________________ ©; [horizontal] [vertical] orientation.
   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 and will be duly pursued.

B. Installation Kit: Item quantities in parenthesis denote quantities for (Small Kit—up to 50 panels/Large Kit—up to 100 panels). (Not applicable to EZ-Seam™ Designs.)
   1. Dry Mix Joint Compound: One 18 lb. bag SHEETROCK® brand EASY SAND™ 45, or BEADEX® brand SILVER SET™ 40.
   2. Acrylic Fortifier: (One/Two) quart MasterEmaco® A 660.
   4. Countersink Drill Bit with Depth Stop-Collar: (One/Two) No. 7.
   5. Flexible Spreader: (One/Two) MUDTOOLS SMT-Y2
   6. Sandpaper: (15/30) sheets No-Load 220G, (10/20) sheets No-Load 150G.
   7. Plastic Container: One 100 oz.
   8. Measuring Cup: One 8 oz.

2.3. ACCESSORIES

MODIFY FOLLOWING PARAGRAPHS IN ACCORDANCE WITH MANUFACTURER’S INSTALLATION INSTRUCTIONS IF SUBSTRATE IS OTHER THAN GYPSUM BOARD.

A. Anchors: 30 lb. self-drilling, drywall anchor.

B. Screws: Coarse thread, drywall type, length as required by panel design and in accordance with Manufacturer's Installation Instructions.
2.4. SOURCE QUALITY CONTROL

A. Fabrication Tolerances:
   1. Dimensions, length and width: ± 1/16 inch.
   2. Thickness: ± 1/16 inch.
   3. Weight: ± 1/2 lb.

3. EXECUTION

3.1. EXAMINATION

A. Examine substrates upon which profile paneling will be installed.
   1. Verify that substrate is a material listed as an acceptable substrate by the profile paneling manufacturer.

B. Verify that permanent project lighting is in place and operational prior to start of seam finishing.

C. Coordinate with responsible entity to correct unsatisfactory conditions.

D. Commencement of work by installer is acceptance of substrate conditions.

3.2. INSTALLATION

MODULAR ARTS INSTALLATION INSTRUCTIONS COVER NORMAL INSTALLATION CONDITIONS. UNUSUAL CONDITIONS MAY REQUIRE ADDITIONAL INFORMATION IN THIS ARTICLE.

A. Install profile paneling in accordance with Manufacturer's Installation Instructions except that seam finishing shall be performed under Section 09 29 00–Gypsum Board, and sealing and painting shall be performed under Section 09 91 23–Interior Painting.

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

Mineral Profile Paneling
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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., 944 NW Leary Way, Seattle, WA 98107; Tel 206.788.4210; e-mail info@modularArts.com