SECTION 09 54 23

Microperf Microperforated Metal Ceiling Tiles

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. Microperforated metal tegular lay-in ceiling tiles.
	2. Accessories for ceiling installation.
2. **PAYMENT PROCEDURES**
3. Deposits for materials may be required.
4. **SUBMITTALS**
	1. Product Data: Manufacturer’s technical data sheet and installation instructions for each type of ceiling tile required.
	2. Shop Drawings: Submit shop drawings, including details, for all ceilings. Coordinate ceiling layout, installation, and suspension system components with construction elements that penetrate tile ceilings or are supported by them. Show overall layout with dimensions and details for penetrations and intersections with other materials or building components.
	3. Samples: Submit three (3) full size samples of each tile type required.
	4. Certificates: Submit manufacturer’s certificate that products meet or exceed specified requirements.
	5. Test Reports: Upon request, submit certified test reports from recognized test laboratories.
5. **MAINTENANCE MATERIAL**
6. Extra Materials:
	* 1. Deliver no less than two percent (2%) of each type, color and pattern of material.
		2. Extra materials shall be from the same production run as the original materials.
		3. Extra materials shall remain in the manufacturer’s original packaging and given to the building owner upon substantial completion of the work. Store extra materials per instructions as described in storage and handling requirements.
7. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide microperforated ceiling tiles from a single manufacturer.
		2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
8. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle products carefully to avoid damage or chipping edges.
		2. Store products in a clean, cool, dry place, and out of direct sunlight.
		3. Store products in a space where the ambient temperature and humidity conditions are being maintained at the levels indicated for the project when occupied for its intended use.
9. **SITE CONDITIONS**
	1. Ambient Conditions:
		1. Maintain ambient temperature and humidity conditions at levels indicated for the project when occupied for its intended use.
		2. Do not install products under environmental conditions outside manufacturer’s recommended limits.
	2. Existing Conditions: Do not install metal ceiling tiles until space is enclosed and weather proofed, wet work is completely dry, and work above ceilings is complete.
10. **WARRANTY**
	1. Provide manufacturer’s written product warranty per Section 01 77 00 – Closeout Procedures.

**PART 2 PRODUCTS**

1. **MANUFACTURERS**
	1. ASI Architectural, 123 Columbia Court N, Chaska, MN 55318.
	Phone: 888-258-4637. Fax: 952-448-2613. Website: www.asiarchitectural.com
2. **DESCRIPTION**
	1. Product Description: Microperf microperforated metal tegular lay-in ceiling tiles as manufactured by ASI Architectural.
	2. Product Options: For each item listed below, please select one (1) option from the choices.
		1. Finish: (Black) / (White) / (Custom)
		2. Perforation Size: (0.5mm)
		3. Perforation Pattern: Offset
		4. Tile Size: (2’ x 2’ – Nominal) / (Custom)
		5. Tile Thickness: (Black – 5/8”) / (White – 3/8”) / (Custom)
		6. Grid Size: (15”/16”)

**PART 3 EXECUTION**

1. **EXAMINATION**
	1. Verification of Conditions:
		1. Inspect installation area and conditions under which work is to be performed for compliance with all manufacturers’ environmental requirements.
		2. All wet work in the installation area must be complete, cured, and dry prior to installation.
		3. Work above ceilings shall be complete, inspected, and accepted before ceiling work begins.
2. **INSTALLATION**
3. Comply with manufacturer’s instructions and recommendations for installation of ceiling tiles and industry standards.
4. Coordinate the exact size, location, and sequencing of penetrations of ceiling tiles by all building components.
5. Lay out ceiling pattern per approved shop drawings if required. Where not otherwise indicated, lay out tiles so margins on opposite sides of rooms are equal or greater than half (1/2) the tile width.
6. Where ceilings of different heights abut, install acoustical material matching ceiling at vertical surface of ceiling break to match ceiling.
7. **ADJUSTING**
8. Adjust tiles after installation so that surfaces are aligned, flush, and level with gaps between units consistent in width and straight.
9. **CLEANING**
10. Clean surfaces of ceiling tiles per manufacturer’s instructions.
11. Remove and replace damaged or discolored material and material that cannot be properly cleaned.
12. **PROTECTION**
13. 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