SECTION 23 07 13

Noise S.T.O.P.TM LAG Series Acoustical Pipe and Duct Lagging

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. Noise S.T.O.P.TM LAG series acoustical lagging and accessories for HVAC installation.
2. REFERENCES
	1. American Society for Testing and Materials (ASTM)
		1. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
3. **SUBMITTALS**
	1. Product Data: Manufacturer’s data sheet and installation instructions.
	2. Samples: Submit, at minimum, a 4” x 4” sample for each type of specified acoustical lagging unit.
	3. Test Reports: Upon request, submit certified test reports to verify specified product performance.
4. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide acoustical lagging from a single manufacturer.
		2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
	2. Performance Requirements:
		1. Surface Burning Characteristics: Acoustical lagging to perform as specified when tested in accordance with ASTM E84. Acoustical panel surface burning performance should comply with the International Building Code and other local building code requirements.
5. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle lagging carefully to avoid any damage.
		2. Store lagging indoors in a clean, cool, dry place, and out of direct sunlight.
		3. Store lagging 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.
6. **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 lagging under environmental conditions outside manufacturer’s recommended limits.
	2. Existing Conditions: Do not install lagging until space is enclosed and weather proofed, wet work is completely dry, and work above ceilings is complete.
7. **WARRANTY**
	1. Provide manufacturer’s written product warranty per Section 01 77 00 – Closeout Procedures.

**PART 2 PRODUCTS**

**(Specifier Note: Red colored text below requires you to select an option before this specification can be completed. Options in red text are bound by parenthesis. Additional LAG Series information can be found on our website** [**https://www.acousticalsurfaces.com/hvac/duct\_lag.htm**](https://www.acousticalsurfaces.com/hvac/duct_lag.htm)**)**

1. **MANUFACTURERS**
	1. Acoustical Surfaces, Inc., 123 Columbia Court N, Chaska, MN 55318.
	Phone: 952-448-5300. Fax: 952-448-2613. Website: www.acousticalsurfaces.com
2. **DESCRIPTION**
	1. Product: Noise S.T.O.P.TM LAG series acoustical lagging by Acoustical Surfaces, Inc.
	2. B-10 Lag/QFA-3 Product Information:
		1. Composition: 1 lb/sqft foil-faced vinyl barrier bonded to 1” quilted fiberglass
		 absorber
		2. Weight: 1.2 lb/sqft
		3. Thickness: Nominal 1”
		4. Size: 54” wide x 30’ long roll
		5. R Factor: 4.0
		6. Fire Rating: Class A per ASTM E84
		7. Mounting Method: Wrapped
	3. B-10 Lag/QFA-9 Product Information:
		1. Composition: 1 lb/sqft foil-faced vinyl barrier bonded to 2” quilted fiberglass
		 absorber
		2. Weight: 1.4 lb/sqft
		3. Thickness: Nominal 2”
		4. Size: 54” wide x 30’ long roll
		5. R Factor: 8.0
		6. Fire Rating: Class A per ASTM E84
		7. Mounting Method: Wrapped
	4. B-20 Lag/QFA-3 Product Information:
		1. Composition: 2 lb/sqft foil-faced vinyl barrier bonded to 1” quilted fiberglass
		 absorber
		2. Weight: 2.2 lb/sqft
		3. Thickness: 2”
		4. Size: 54” wide x 30’ long roll
		5. R Factor: 4.0
		6. Fire Rating: Class A per ASTM E84
		7. Mounting Method: Wrapped
	5. B-20 Lag/QFA-9 Product Information:
		1. Composition: 2 lb/sqft foil-faced vinyl barrier bonded to 2” quilted fiberglass
		 absorber
		2. Weight: 2.5 lb/sqft
		3. Thickness: 2”
		4. Size: 54” wide x 30’ long roll
		5. R Factor: 9.0
		6. Fire Rating: Class A per ASTM E84
		7. Mounting Method: Wrapped
3. **ACCESSORIES**
4. Attachment hardware for lagging as specified by manufacturer for installation.

**PART 3 EXECUTION**

1. **EXAMINATION**
	1. Verification of Conditions:
		1. All wet work in the installation area must be complete, cured, and dry prior to installation.
2. **INSTALLATION**
3. Comply with manufacturer’s instructions and recommendations for installation of duct installation and with industry standards.
4. **PROTECTION**
5. 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