SECTION 07 27 00 – AIR BARRIERS

 GENERAL

 SUBMITTALS

 Action Submittals:

 Product Data: Manufacturer’s descriptive data and product attributes for air barrier.

 Informational Submittals:

 Certificate of Compliance: Certification that installed products meet specified fire hazard requirements.

 QUALITY ASSURANCE

 Installer Qualifications: Firm specializing in work of this Section with minimum [2] [\_\_] years’ experience.

 Provide air barrier and foil tape from single manufacturer.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by Fi-Foil Company, [www.fi-foil.com](http://www.fi-foil.com)

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

 Air Barriers:

 Source: SkyFlex (Solid).

 Description: Two layers of aluminum deposited on layer of woven polyethylene.

 Fire hazard characteristics: Flame spread/smoke developed rating of 25/50, tested to ASTM E84.

 Performance characteristics:

* + - * 1. Air permeability: Less than 0.02 liters per second per square meter at 75 Pa, tested to ASTM E2178.
				2. Water vapor permeance: Less than 0.1 perms, tested to ASTM E96.
				3. Emissivity: 0.05, tested to ASTM C1371.

\*\*\*\* OR \*\*\*\*

 Air Barriers:

 Source: SkyFlex VT (Vapor Transmitting).

 Description: vapor transmitting: CLAF fabric reinforced metalized film.

 Fire hazard characteristics: Flame spread/smoke developed rating of 25/50, tested to ASTM E84.

 Performance characteristics:

* + - * 1. Air permeability: Less than 0.0004 Liters per second per square meter at 75 Pa, tested to ASTM E2178.
				2. Water vapor permeance: Greater than 10 perms, tested to ASTM E96.
				3. Emissivity: 0.25 mesh side, 0.20 film side, tested to ASTM C1371.

 ACCESSORIES

 Aluminum Foil Tape: PE-M4535 Silver by Echo Tape or equivalent.

 FSK Insulation Facing Tape: FS-7751 by Echo Tape or equivalent.

 EXECUTION

 INSTALLATION

 Install insulation in accordance with manufacturer’s instructions.

END OF SECTION