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FRANK M. BUSH
GENERAL MANAGER

August 24, 2016

Charles Stock
Spunstrand, Inc.
620 North Post Street
Post Falls, ID 83854

RESEARCH REPORT: RR 8461
EFFECTIVE DATE: 08/24/16
EXPIRATION DATE: 12/01/17
TELEPHONE: 208-777-7444

GENERAL APPROVAL – Technical Modification - Fiberglass duct model “FSK” (Non-insulated) & “R-4”, “R-6”, “R-8”, “R-10”, and “R-12” (Pre-insulated) manufactured by Spunstrand, Inc. Sizes range from 4" up to 86" Diameter.

DETAILS:

Spunstrand FSK and “R-4”, “R-6”, “R-8”, “R-10”, and “R-12” are semi-rigid reinforced thermosetting resin product for heating, venting and air conditioning applications. These products may be installed below grade, or embedded within concrete slab. This product is manufactured from polyester resin impregnated, continuous fiberglass strands wound over chemically treated foil-scrim kraft liner. Fittings include elbows, wye branches, tees, crosses, concentric and eccentric reducers, end caps, and fittings.

The approval is subject to the following conditions

1. These products shall only be installed in heating and cooling systems and environmental ventilation systems only. These shall not be used for product ventilation or smoke removal systems.
2. These products shall not penetrate any fire-rated or non fire-rated walls, ceilings, or floors and shall be attached to the heating and cooling systems with the factory specified and furnished attachment hardware.
3. The maximum allowable internal air velocity, for all duct sizes or diameters is 2,000 feet per minute.

4. These products shall be fully supported as per the manufacturer's specifications and shall be supported every 25 feet. Mountings shall comply with the requirements specified in Section 95.409.4 of the Los Angeles Mechanical Code (LAMC), 2014 Edition.
5. These products shall be continuously connected to the AC unit or plenum box.
6. These products shall not be installed where the temperature of the conditioned air or the ambient conditions is less than 0° Fahrenheit or exceeds 160° Fahrenheit.
7. These products shall be factory configured and constructed. Field modification of these products is not approved.
8. These products shall be labeled with manufacturer's name, or registered trademark and model number where visible for inspection.

DISCUSSION

File and reports were reviewed by the Mechanical Testing Laboratory. The product materials have been found to be equivalent to that prescribed by the Los Angeles Municipal Code in quality, strength, effectiveness, durability and safety.

For this General Approval to be valid on any individual construction project in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met in the case of each construction project under consideration.

This approval is granted under Sections 95.105, 95.602 and 95.605 of the Los Angeles Mechanical Code (LAMC), 2014 Edition.

Approved by:



Mark Wang
Mechanical Testing Laboratory
Permit and Engineering Bureau