

ICC-ES PMG Listing**PMG-1000***Effective Date: May 1, 2009**This listing is subject to re-examination in one year.***www.icc-es.org/pmg | (800) 423-6587 | (562) 699-0543***A Subsidiary of the International Code Council®***CSI:** DIVISION: 15—MECHANICAL
Section: 15810—Ducts**Product:** Call Aluminum Class 1 Flexible Air Ducts**Listee:** W.A. Call Mfg. Co., Inc.
1710 Rogers Avenue
San Jose, California 95112

Compliance with the following codes:

2006 *International Residential Code*® (IRC)
2006 *International Mechanical Code*® (IMC)
2006 IAPMO *Uniform Mechanical Code* (IAPMO UMC)*
1997 ICBO *Uniform Mechanical Code* (ICBO UMC)

**Uniform Mechanical Code* is a copyrighted publication of the International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, California 91761.

Compliance with the following standard:

UL 181-1996

Identification:

Each piece of the duct material is identified by a label bearing the maximum-rated velocity, maximum-rated positive and negative pressures, flame-spread classification, the manufacturer's name and address, and the ICC-ES PMG listing number (PMG-1000) and/or the ICC-ES PMG listing mark.

Installation:

Installation must be in accordance with the manufacturer's published installation instructions and the applicable code.

Rivets are not required when collars with mechanical locking tabs are used.

Duct Sealant: A 1/4-inch bead of duct sealant is applied to the collars prior to insertion into the duct. All bare sections of ducts have the factory-installed collars sealed with duct sealant at the factory. Use of duct sealant is optional on collars attached at the factory to insulated ducts.

Insulation: The ducts may be insulated with a minimum 1 1/2-inch-thick fiberglass insulation manufactured by the Knauf Corporation and covered with a polyethylene jacket manufactured by Cadillac Products Packaging Company.

Joining Bare Duct Sections:

Duct sections with factory-installed collars are joined by inserting the male collar into the female collar and rotating them to obtain a snug fit. The joint is then sealed with two wraps of 1½-inch-wide approved duct tape centered on the joint.

Duct sections without factory-installed collars are joined with a 3½-inch-wide, 3-inch-thick, galvanized steel collar. The collar is inserted into the duct sections and rotated until a snug fit is obtained. A ¼-inch-wide bead of the previously mentioned duct sealant is applied to the collar prior to insertion into the duct sections. The joint is then sealed with two wraps of 1½-inch-wide approved duct tape, centered on the joint. Duct connections to appurtenances are treated in the same manner.

Joining Insulated Duct Sections:

Insulated ducts are installed in the same manner as the bare ducts except that no joint sealant is used. The male collar is inserted into the female collar and rotated until a snug fit is obtained. The flexible jackets are stretched to overlap and two wraps of 1½-inch-wide approved duct tape are applied to seal the joint.

Models: The ducts are manufactured from Type 3003 zero temper 0.0065 + 0.005-inch-thick aluminum and are available in 3-inch through 24-inch internal diameter sizes. The flat duct material is fed through a system of progressive roller dies which form six corrugations on the 3-inch- through 10-inch-diameter ducts, and five corrugations on the 11-inch- through 24-inch-diameter ducts.

Duct sections with factory-installed collars:

Three-and-one-half-inch-wide, factory-installed male and female collars are manufactured from 0.013-inch galvanized steel.

Rivets: The rivets are zinc coated cadmium-plated steel, 0.120-inch-by-0.160-inch-oval head-by-0.250-inch-long and are secured to the duct sections with:

- Three rivets for 3-inch- through 7-inch-diameter sizes
- Four rivets for 8-inch- through 10-inch-diameter sizes
- Five rivets for 11-inch- through 14-inch-diameter sizes
- Seven rivets for 15-inch- through 24-inch-diameter sizes