



March 10, 2014

Ward Judson
ERICO International Corporation
34600 Solon Road
Solon, OH 44139

Re: CADDY ROD LOCK Duct Brackets
Model CRLD37TEG
Model CRLD37BNEG
Model CRLD37BEG

Dear Mr. Judson:

The SMACNA Testing & Research Institute (STRI) verifies in the attached Test Report, CADDY ROD LOCK Models CRD37TEG, CRLD37BNEG and CRLD37BEG as submitted and tested to be acceptable alternatives to the duct hanger systems prescribed in the ANSI/SMACNA HVAC Duct Construction Standards (HVAC-DCS) 3rd edition, Chapter 5, Tables 5-1 and 5-1M subject to the conditions in the attached Test Report.

Professionally yours,
SMACNA Testing & Research Institute

A handwritten signature in black ink that reads "Eli P. Howard, III".

Eli P. Howard, III
Executive Director

Attachment

**SMACNA TESTING & RESEARCH INSTITUTE
TEST REPORT**

**TEST & VERIFICATION REPORT ON
CADDY ROD LOCK DUCT BRACKETS**

The SMACNA Testing & Research Institute (STRI) verifies CADDY ROD LOCK Duct Bracket Models CRLD37TEG, CRLD37BNEG and CRLD37BEG as submitted and described below to be acceptable alternatives to the duct hanger systems prescribed in the ANSI/SMACNA HVAC Duct Construction Standards (HVAC-DCS), 3rd edition, Chapter 5, Tables 5-1 and 5-1M subject to the following conditions and limitations for use on rectangular duct only:

1. Consistent with the HVAC-DCS requirements, upper attachment of the system directly to structures shall have an allowable load not more than one-fourth of failure load.
2. Lower attachments, such as illustrated in HVAC-DCS Figure 5-5, shall have a minimum safety factor of two and shall not be used in a manner that would deform the duct shape or cause excessive concentrated loads on the ducting.
3. With respect to HVAC-DCS Figure 5-5, CADDY ROD LOCK Duct Brackets may be adapted only to the strap hanger configuration for rectangular duct.
4. The HVAC-DCS Table 5-1 and 5-1M maximum hanger spacing of 10 feet (3 m) shall be maintained (and decreased as necessary to conform to CADDY ROD LOCK Duct Brackets working load limits).
5. CADDY ROD LOCK Duct Brackets shall be installed in accordance with accepted engineering practice, provide users with adjustments to its working loads and, as necessary to conform to manufacturers recommendations, approve the method of transfer of loadings to supporting and supported members. This stipulation shall not be construed as preempting any duty of an installer to obtain approval of the support system by an appropriate authority prior to making the installation.
6. Criteria for use of CADDY ROD LOCK Duct Brackets for support of round duct, flat oval, duct risers and trapeze hangers is not included in this verification.

ERICO submitted their CADDY ROD LOCK Duct Bracket Models CRLD37TEG, CRLD37BNEG and CRLD37BEG, along with third party witness testing of the aforementioned.

The SMACNA Testing & Research Institute conducted a comprehensive evaluation of the submission as an acceptable alternative for use with the ANSI/SMACNA HVAC Duct Construction Standard 3rd edition, Chapter 5, Tables 5-1 and 5-1M.