Electrical Edition

Issue #8

CADDY® CORNER™

SPECIAL TELECOMMUNICATIONS FEATURE ARTICLE

And in this Corner

Learn how ERICO and CADDY can save you time and money with innovative hangers!

- Learn to install data cables with the greatest of ease.
- A smooth pulling idea for our CableCat™ 425.
- Save time with our new stud wall solutions.
- What is the NEIS and what does it mean to you?
- CADDY Scholarship for BICSI training programs extended!

CADDY Fasteners are proud to be UL Listed
For a complete list of UL Listed fasteners, contact the factory.

c UL us

ERICO®

New Solutions for Installing Data Cables

Ideas from the job site

CADDY® Fasteners are designed to meet the demands of contractors at the job site. By visiting the job site and observing and talking with cabling professionals, we determine installation challenges and opportunities and then assemble a design team to address them.

Pulling data cables in suspended ceilings

In order to properly pull data cable, it is important to maintain the proper bend radius and minimize pull force.

Available in 2" and 4" J-Hooks.

The CADDY design team developed the CableCat Pulley — a plastic cylinder, which turns on a metal pin, attached to a J-hook. The Pulley can be attached to the ceiling structure, a substructure or the grid of the suspended ceiling. It maintains proper bend radius and minimizes pull force, which frees up installers to do other jobs. This saves time and money. Bundles may be pulled in groups of 20 UTP 4-pair cables.

After completion of the cable installation, remove the assembly and reuse with another J-hook of the same size, leaving the original J-hook in the ceiling. Is it a fastener or is it a tool? We still haven't solved this one.

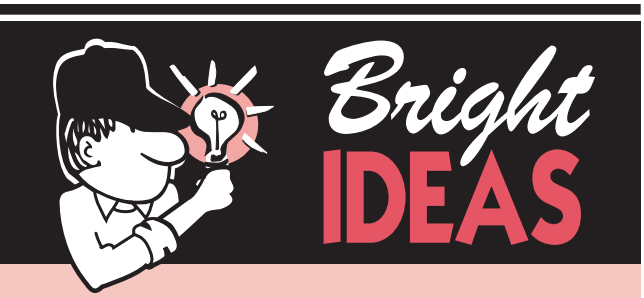
Vertical installation of intra-building backbone cables

Requests from the job site for effective attachment of riser cable bundles inside buildings were very specific:

- distribute the gripping force over the largest possible surface of the cable bundle to avoid pressure points;
- accommodate a large range of cable diameters and cable bundle sizes;
- support the weight of the cables during and after installation;
- simplify the installation of additional cables.

No products found on the market satisfied all four requirements. The CADDY team went to work, resulting in the CAT600 which makes vertical cable pulling easier. This system permits the cable to be pulled up from the bottom. A locking mechanism opens when the cable is pulled in and closes when the pulling tension ceases and the cable starts to fall back. The maximum diameter allows for (1) 600-pair telephone cable or (75) UTP 4-pair cables or (10) UTP 25-pair cables.

(continued)



The widest support fastener in the CableCat™ series is the CAT425 woven high-strength polymer cable support, which adjusts to a variety of sizes up to 6" diameter. It can hold up to 425 four-pair UTP or fiber optic cables. The line has been updated for quick attachment to beams, purlins, threaded rod (1/4" or 3/8"), floor pedestals or vertical surfaces. The CAT425 has a simple locking and unlocking feature permitting additional cables to be added easily and is suitable for air handling spaces (plenum) for loads up to 100 lbs.

A tip from the CADDYMAN™ for Easy Cable Pulling with the CAT425

1. Cut a piece of four-inch diameter PVC six to seven inches long.
2. Then cut in half (half moon)* with a hack saw.
3. De-burr by scraping the sharp edges off the end.
4. Insert one "half moon" into the CAT 425 at the beginning of your pull and the other at the end.

*For an even smoother pull. . .flare the edges of the pipe (before cutting into a half moon) by heating the edge of the pipe with a heat gun or tubing bender. Once heated, take a large metal pipe and push the edges down by placing the metal pipe in the center of the PVC pipe and "stir".

The half pipe will hold the CAT 425 open to provide a smoother, faster pulling surface.

NOW THAT'S A BRIGHT IDEA!

Circle #2 on Business Reply Card

CONTINUED FROM FRONT PAGE

Continuous Support System for Horizontal Cabling

Cable tray used to be the only option for conventional installation of runs of numerous cables. Let's look at the facts:

- Cable tray and accessory costs can add up
- In retrofit work where suspended ceiling is involved, cable tray requires removing the ceiling grid
- Cable trays are bulky and require special anchoring, two installers and system-specific fittings (elbows, tees, etc.) or labor-intensive adaptations at the job site
- Few distributors stock cable trays and fittings due to their complexity (lead-time!)

Looking at these restrictions, the CADDY engineers designed a completely new system called CatTrax™.

CatTrax, the cable tray alternative, encompasses brackets with steel retaining straps, plastic mesh, spring steel clips to attach the mesh to the brackets, and plastic splice clips to join mesh length. A small carrying kit contains all the material for 25 feet of flexible cable tray.

Brackets are attached every 4 to 5 feet to threaded rod, beam or wall mount. Existing ceiling grid does not have to be removed; only the ceiling tiles below the run are taken out.

Directional changes (horizontal or vertical) are easy. The brackets are designed for a 200-lb. load and the usable cross-sectional area for cables is 32 in^2.

Why should you use CatTrax?

CatTrax installed at the BICSI Headquarters Expansion

Light weight, generous bend radii for data cables, universal application in new construction and retrofit, no need for special tools, UL Listing, plenum-rated, competitive pricing – all of these features are convincing. But here is the key advantage: You find out in the morning that you need 95 feet of cable tray. A little while later, your distributor moves four small boxes across the counter and you lay cables the very same afternoon. Magic? No, CatTrax!

What's next?

Time- and labor-saving products that comply with standards, codes and industry requirements always have a future. New solutions appear at every trade show, but it is the cabling team's job to validate the products by trying them out.

See all of this and more in the new CADDY Low Voltage/Datacomm Application Guide CD which includes video clip demonstrations.

Circle #1 on Business Reply Card

What's New?

Stud Wall Solutions From CADDY

459

The new CADDY 459 is an industry first one-piece spring steel support clip It snaps on metal studs to support MC/AC cable. Provides anti-rattle support and quick compliance with NEC 300-4(d).

CS812

NOW GANGABLE!

The improved CS812 screw on conduit clip accommodates 1/2" and 3/4" EMT conduit and MC/AC cable from any box knockout and eliminates offset bending. (Also shown is CADDY H23 Quick Mount Box Hanger.)

J1A35

BACK BY POPULAR "REPRIMAND" The redesign and reintroduction of the CADDY J1A35 Far Side Box Support is a direct result of customer demands. It now works on 3-1/2" and 2-1/2" walls and allows contractors to easily attach a secure, far side support to the box with a quick tap of a hammer.

TSGB

The updated TSGB series Telescopic Screw Gun Bracket has a one-piece, break-apart design – resulting in no loose or mismatched parts, easier handling and less waste from missing halves. It will accommodate various box sizes (4" sq. or 4-11/16" sq.; 1-1/2" or 2-1/8" deep).

DBM2

The new CADDY DBM2 Double Box Mount supports two electrical boxes, one on each side, of either metal or wood stud - eliminating the need for multiple bracketed assemblies. It allows you to "press" the assembly in place.

HS3

The improved CADDY HS3 Quick Mount Switch Box Support bracket now allows the attachment of a switch box to the bracket with easy-to-bend attachment fingers - without screws. It comes ready for the most common 3-1/2" stud depths but can be easily modified for 2-1/2" wall applications.

Circle #3 on Business Reply Card

Telecom Column

Neat and Workmanlike

by Ray Keden, RCDD

My National Electrical Code dated 1947 says on page 17, Article 110, under the heading 1105. Mechanical Execution of Work: "Electrical equipment shall be installed in a neat and workmanlike manner..." The exact same words can be found in clause 110-12 of the 1999 NEC. Over the past 50+ years, generations of electrical professionals have interpreted this requirement based on their individual training and experience.

In the 1990's, the National Electrical Contractors Association (NECA) decided to create a set of National Electrical Installation Standards (NEIS™) defining this requirement for different Code applications. NECA had the wisdom to partner for this endeavor with institutions that could contribute specialty knowledge from the respective facets of the trade. The first NEIS™ was published in the spring of 1998.

Already available installation standards include NECA 400 "Installing and Maintaining Switchboards" and NECA/IESNA 500 "Installing Indoor Commercial Lighting Systems". On its way to seeking recognition as an "American National Standard" through an ANSI canvassing process are standards like NECA 1 "Standard Practices for Good Workmanship in Electrical Construction" and NECA/BICSI 568 "Standard for Installing Commercial Building Telecommunications Cabling". Brooke Stauffer, NECA's Director of Codes and Standards, is instrumental in coordinating the human resources necessary to move this ambitious project forward.

NECA/BICSI 568 has been based on the BICSI Telecommunications Cabling Installation Manual. A joint working group under the leadership of Albert Feaster (for BICSI) and Mary Germershausen (NECA's Director of Telecommunications) specifically focussed this document on professional installation practices. Proper grounding and bonding measures and the maximum length for untwisting CAT5 wire pairs are examples for performing installations in a "neat and workmanlike manner".

NEIS™ are presented as recommendations and business tools for qualified installers. They are voluntary standards and not intended for regulatory use. A standards review is anticipated every five years.

With the NEC being chiefly concerned with life-safety issues and the TIA standards guiding in the design of telecommunications cabling infrastructures, the NEIS™ add the third dimension of quality installation to the job. For more information check out www.neca-neis.org.

Circle #4 on Business Reply Card

BICSI CORPORATE MEMBER

TELECOMMUNICATIONS TIA INDUSTRY ASSOCIATION

ERICO®

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Fastening Products Group
www.erico.com

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(800) 853-0878
Fax: (800) 462-4797

Technical Support: (800) 252-2339

FE70900

We find most users of CADDY® Fasteners prefer FREE samples and promotional announcements to be sent to their home address. If you'd like to do the same, please print below.

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PLEASE SEND ME MORE INFO ABOUT...

❑ Please send me ***CADDY Info Pack*** of the fasteners and promotions featured in this newsletter.

Circle Reader Service Number on item of interest:

1 2 3 4 5 6 7 8 9 10 11

Also, we'd like to know some of the clever ways you use CADDY Fasteners. If we use your BRIGHT IDEA in an issue of the CADDY CORNER, we'll send you $75 CADDY BUCKS for use in the CADDY Stuff Program. It's that simple.

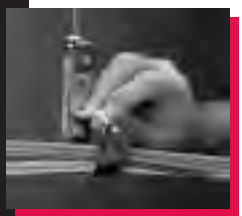
Which best describes your business. Check only one.

- ☐ Electrical Contractor – Non-Res.
- ☐ Electrical Contractor – Residential
- ☐ Voice/Data/Security Contractor
- ☐ Mechanical Contractor (Htg./AC)
- ☐ Acoustical Contractor (Walls/Ceilings)
- ☐ Distributor/Supplier
- ☐ Manufacturing Facility
- ☐ Hospital/Medical Facility
- ☐ Government (including Military)
- ☐ Inspection/Testing
- ☐ Design Firm
- ☐ Education
- ☐ Other

Have a question or comment? Write it down here.

FIELD *Feedback*

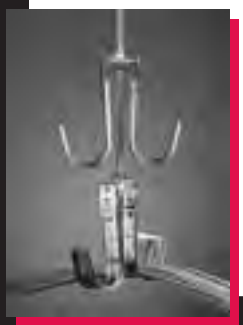
Q: ***Does CADDY have a solution to prevent cables from getting knocked out of J-Hooks?***



Now each CableCat J-Hook up to 4" has a retainer.

Circle #5 on Business Reply Card

Q: ***Are more heavy-duty angle brackets available for a variety of mounting hole requirements? Also, is there a way to install the J-Hook with more stability? They tend to move when pulling cable.***



ERICO has answered the call...the pre-riveted angle bracket assemblies (CAT32AB) and field assembly brackets (CATHBA) are more heavy-duty, minimize J-Hook twisting and are available with 3/16", 1/4", 3/8" or 1/2" mounting holes.

Circle #6 on Business Reply Card

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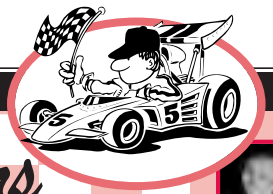


THE Winners CIRCLE

Congratulations!

Larry Fisher, Division Manager, Fastening Products, ERICO, Inc., was recently presented with the CEMRA Award for Outstanding Contribution to the Electrical Industry and the Association. Left to right: Larry Fisher, Chuck Cartmill President of CSA Enterprises Ltd. and Reptech Enterprises Ltd., and Murray Chamney, President of CEMRA. Presented at the Electro-Federation, Supply and Distribution Conference, Halifax, Nova Scotia.

CADDY Man Look-Alike contest winner is Fran Hollesh of The Cleveland Clinic

Fran won $300 in CADDY Bucks and a CADDY Beanie Man!

ERICO Extends CADDY Scholarship for BICSI Training Programs and Issues a Challenge to the Industry

ERICO, Inc. has extended its CADDY Scholarship Program through December 31, 2001 for all BICSI Training Courses. ERICO and BICSI initiated this cooperative effort in 1998 to help further education in the telecommunications industry.

"The telecommunications industry is changing and growing at a rapid pace," says Larry Fisher, Division Manager, Fastening Products, ERICO, Inc. "A quality education is essential to prepare contractors and installers for the changing times. We at ERICO would like to challenge others in the industry to start supporting this type of education with their own programs. If we all work together, these efforts will benefit the entire industry."

How the Program Works

Prospective BICSI trainees can earn money for their education by saving proofs-of-purchase from the ERICO line of CADDY Fasteners. Until December 31, 2001, ERICO will donate $1 toward the tuition of an authorized training class for each CADDY proof-of-purchase saved – up to $200!

Simply collect and submit up to 200 proofs-of-purchase from packages of CADDY Fasteners products. Send them to ERICO along with a redemption card, which can be obtained at your local distributor. A redemption check from ERICO will arrive in approximately three to four weeks. Apply the redemption check to the balance of the class tuition.

And you can still use CADDY P.O.P.'s for CADDY Stuff™ logo merchandise and apparel!

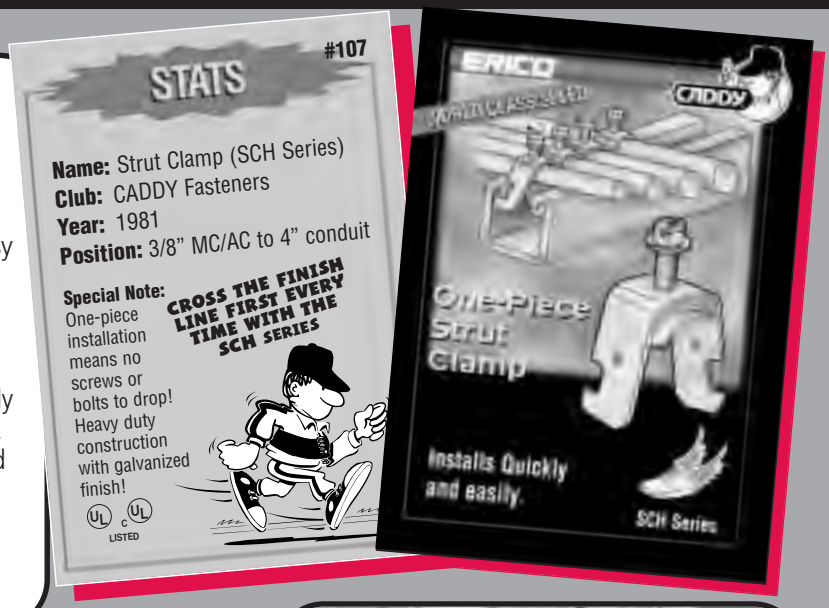
Circle #7 on Business Reply Card

• CADDY® • CLASSIFIED™ • CADDY® •

BC26 Reversible Beam Clamp with Side Mounting Threads

This innovative beam clamp allows easy installation to both top and bottom flange of steel members up to 3/4" (20 mm) thick. A hardened cup point setscrew provides secure tapered grip on tapered sections. Threaded to quickly accommodate attachment of 1/4" dia. threaded rod, bridle rings, J-Hooks and boxes. Heavy-duty malleable iron construction with electrogalvanized finish for added corrosion protection.

Circle #8 on Business Reply Card



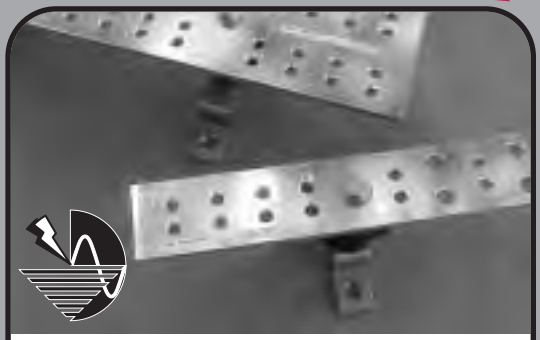
The MPAL2 Non-metallic Bracket

The MPAL2 non-metallic bracket is designed for double gang applications, and has a serrated interlocking system that secures the bracket tightly to drywall. The new plastic design provides the industry with the widest application range of 1/4" to 1-1/4".

Read the simple instruction sheet that is provided with the product *(Make sure to utilize the template points for the proper hole size and attach the tabs to the bracket **BEFORE** you install the bracket in the wall. This way, you won't lose the tabs.)*

In addition to the MPAL2, we offer a single gang (MP1P) and a combination 3- and 4-gang design (MP34P).

Circle #10 on Business Reply Card



New TIA Standard for Ground Bars

The TIA committee that is revising the TIA/EIA 607 standard will present a new ground bar design for telecommunications applications. ERICO's Facility Electrical Protection Group has been working simultaneously to develop a line of telecom main ground bars and telecom ground bars to add to their extensive line of grounding products.

Circle #11 on Business Reply Card

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