



*“Holding ICC-ES® Evaluation Reports® is simply the right thing to do for the construction industry.”*

**BILL GOULD, P.E.,  
HILTI TECHNICAL DIRECTOR**

# Innovative Hilti Fastening System Earns ICC-ES Recognition

Competition for business in today’s tough economy requires companies to be at the top of their game. Building professionals have a lot of choices when it comes to selecting building products. To assure that they are using code-compliant products, construction professionals depend on ICC Evaluation Service® (ICC-ES®). ICC-ES® provides an independent technical evaluation of building products, and verifies that they meet requirements of the building codes.

As one of the leading manufacturers in the building products industry, Hilti, Inc., maintains many ICC-ES® Evaluation Reports, and considers them essential to successful introduction of new products. When Hilti was ready to introduce the new X-CW Ceiling Wire Assembly, Hilti turned to ICC-ES® for an evaluation. “Hilti is a leader in powder-actuated fastening systems,” said Bill Gould, the Hilti Technical Director; “and ICC-ES® Evaluation Reports® are an essential component of the Hilti technical portfolio in the United States. Holding ICC-ES® Evaluation Reports® is simply the right thing to do for the construction industry.”

Commenting on the relationship between ICC-ES® and its report holders, Michael Beaton, ICC-ES® Senior Vice President, had this to say: “ICC-ES® is committed to providing the best technical information available and to providing an efficient process for manufacturers to have their products recognized as complying with code. With the participation of industry leaders like Hilti, the development of acceptance criteria for alternate products is done in an open and transparent process that reflects the code development process. Hilti engineers then demonstrate to ICC-ES® that their products comply with the criteria. This cooperative effort provides guidance to code officials





and building professionals that Hilti's innovative products comply with the intent of code.”

The Hilti X-CW Ceiling Wire Assembly was recently evaluated by ICC-ES® to the requirements of the ICC-ES® Acceptance Criteria for Fasteners Power-driven into Concrete, Steel and Masonry Elements (AC70), and received ICC-ES® Evaluation Report ESR-2892. This new evaluation report covers recognition, under the *International Building Code*®, the *International Residential Code*® and the *Florida Building Code*, of Hilti X-CW Ceiling Wire Assemblies used in suspended panel ceiling applications common in today's office buildings, hospitals and classrooms. Kamil Celik, Hilti Technical Services Engineer, stated, “The ICC-ES® engineer was fair and reasonable throughout the entire evaluation process. The key to this successful evaluation was open and frequent communication.”

Hilti's innovative ceiling wire assembly design incorporates a pre-mounted Hilti low-velocity powder-actuated fastener, either X-U Universal or X-C type, with a specially designed steel clamping washer and a 12 gauge ceiling wire. Evaluation report ESR-2892 provides installation requirements, allowable load capacities, references to the applicable code sections and references to other, related evaluation reports for the X-U and X-C powder-actuated fasteners (ESR-2269 at [www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-2269.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-2269.pdf) and ESR-1663 at [www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-1663.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-1663.pdf), respectively). The X-CW is an alternative to traditional ceiling clip wire hangers and allows the installer to connect ceiling wire hangers to the ceiling supporting structure in one simple and consistent installation step. Marcus Oden, Hilti General Manager added, “Hilti takes great pride in our product innovation and the ISO 9001 and 14001 quality certifications under which the company operates. The Hilti quality team ensures that all of our products comply with specifications. This was validated through the ICC-ES® evaluation process and gives the building professional peace of mind.”

ICC-ES® ESR-2892 provides design professionals and building officials with an independent evaluation of this innovative fastening system.

To find out more about this product, view ESR-2892 at [www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-2892.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-2892.pdf). All ICC-ES® Evaluation Reports® can be accessed and downloaded free of charge at [www.icc-es.org/Evaluation\\_Reports/index.shtml](http://www.icc-es.org/Evaluation_Reports/index.shtml), and are readily searchable based on attributes such as product type, manufacturer name or report number.

*\* This article is intended to provide information on a new and innovative building product or system for which an ICC-ES® Evaluation Report® has recently been issued. It should not be construed as a product endorsement or a recommendation for its use.*