

SECTION 03 47 13 TILT-UP CONCRETE OR 03 40 00 PRECAST CONCRETE

PART 1 – GENERAL

1.1 ADMINISTRATIVE REQUIREMENTS

Retain the following for a pre-installation conference held prior to start of product installation.

- A. Pre-Installation Conference:
1. Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder,] manufacturer's representative, installer, and related trades.
 2. Review: Project conditions, manufacturer requirements, and product installation.

1.2 SUBMITTALS

- A. Action Submittals:
1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 2. Product Data: Manufacturer's descriptive data and product attributes.
- B. Informational Submittals:
1. Certificate of Compliance: Certification that installed products meet specified design and performance requirements.

1.3 QUALITY ASSURANCE

Retain the following to specify minimum experience of manufacturer and installer.

- A. Manufacturer Qualifications: Minimum [] years' experience in work of this Section.
- B. Installer Qualifications: Minimum [] years' experience in work of this Section.

PART 2 – PRODUCTS

2.1 MATERIALS

Retain the following for roof structural steel-to-concrete connectors. This connector casts into precast or tilt-up cast-in-place concrete and has slotted holes permitting 2 inch lateral movement. The chamber and bearing seat engage remotely, eliminating manual connections. These connectors are designed for use with Series "K", "LH" and "DLH" joists.

- A. Roof Panel Connector:
1. Source: V Chamber by Connect-EZ (www.theconnect-ez.net) [or approved substitute].
 - a. Material: Welded steel complying with ASTM A572 Grade 50.
 - b. Headed studs as sized by Engineer of Record (EOR).
 - c. Welds: Comply with AWS D1.1 Structural Welding Code.
 - d. Raw material and finished product produced and fabricated in USA.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

Commented [cc1]: The following specification text has been prepared by Connect-EZ to assist design professionals in the preparation of a specification section covering shop-fabricated steel components that eliminate field welding of structural connections for tilt-up or precast panels and structural steel.

Utilize these Specification suggestions to insert text into Master Specifications, typically SECTION 03 47 13 Tilt-Up Concrete or 03 40 00 Precast Concrete but could also be incorporated into related Sections such as 03 30 00 Cast-in-Place Concrete, 03 45 00 Precast Architectural Concrete, 05 12 00 Structural Steel Framing, or similarly titled sections governing this work.

The following should be noted in using this document:

- Text in black is intended to be placed in a project specification. Text in blue comprises notes to the specifier and locations within the CSI/CSC 3-Part Section Format where text should be inserted. Page Format and labeling may require minor adjustments for optimal copy/paste inclusion into master specifications.

- Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: "Source: [PA-12] [PA-18]"

- Items requiring user input are enclosed within brackets and as red text, e.g.: "Manufacturer Qualifications: Minimum [] years' experience...."

- Optional paragraphs are separated by an "OR" statement included as red text, e.g.:

**** OR ****

For assistance on the use of the products in this section, contact Connect-EZ by calling 973-903-7836 or visit their website at www.theconnect-ez.net.