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# ICC-ES Report

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# ESR-1464

Reissued 01/2017  
This report is subject to renewal 01/2018.

**DIVISION: 05 00 00—METALS**  
**SECTION: 05 40 00—COLD-FORMED METAL FRAMING**  
**DIVISION: 09 00 00—FINISHES**  
**SECTION: 09 22 16.13—NON-STRUCTURAL METAL STUD FRAMING**

**REPORT HOLDER:**

**CLARKDIETRICH® BUILDING SYSTEMS**

9050 CENTRE POINTE DRIVE, SUITE 400  
WEST CHESTER, OHIO 45069

**EVALUATION SUBJECT:**

**TRAKLOC® NONLOAD-BEARING WALL STUD FRAMING SYSTEM**



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# ICC-ES Evaluation Report

**ESR-1464**

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**DIVISION: 05 00 00—METALS**

**Section: 05 40 00—Cold-Formed Metal Framing**

**DIVISION: 09 00 00—FINISHES**

**Section: 09 22 16.13—Non-Structural Metal Stud Framing**

**REPORT HOLDER:**

**CLARKDIETRICH® BUILDING SYSTEMS**  
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WEST CHESTER, OHIO 45069  
(513) 870-1100  
[www.clarkdietrich.com](http://www.clarkdietrich.com)

**EVALUATION SUBJECT:**

**TRAKLOC® NONLOAD-BEARING WALL STUD FRAMING SYSTEM**

## 1.0 EVALUATION SCOPE

**Compliance with the following codes:**

2015 and 2012 *International Building Code*® (IBC)

**Property evaluated:**

Structural

## 2.0 USES

The TRAKLOC nonload-bearing wall steel framing system is used for framing of interior nonload-bearing walls.

## 3.0 DESCRIPTION

### 3.1 General:

The TRAKLOC nonload-bearing wall steel framing system is constructed from the TRAKLOC studs and tracks which are available in four depths and four material thicknesses as noted in Table 2. The studs and tracks have a twist and lock system that permits stud installation into the top and bottom tracks without the use of fasteners. The TRAKLOC studs are available as single-unit fixed-length studs and as two-part adjustable-length studs.

**3.1.1 TRAKLOC Fixed Length Stud:** The TRAKLOC Fixed Length Stud (TLF) is not adjustable and is a single piece component. It is swaged at each end to interlock with TRAKLOC Track. The TLF is provided to job specific fixed lengths. The single-unit fixed-length studs (TLF) have the designation xxxTLFxxx-xx.

**3.1.2 TRAKLOC Adjustable Stud:** The TRAKLOC Adjustable Stud (TLA) is a two-piece stud that is adjustable in length at the top of the stud. It is used where small allowances for live-load and/or seismic-induced inter-floor vertical deflection is not needed. The adjustable-length studs are made up of two parts, the outer stud base (TSO) and the short inner stud TRAKLOC extension piece (TSE). See Figure 3. The TSE is fitted into the TSO, allowing the length of the TRAKLOC stud to be adjusted in the field. The TRAKLOC Adjustable Studs (TLA) have the designation xxxTLAxxx-xx.

**3.1.3 TRAKLOC Deflection Stud:** The TRAKLOC Deflection Stud (TLD) is a two-piece stud that is adjustable in length to accommodate small allowances for live-load and/or seismic-induced inter-floor vertical deflection. The short inner stud TRAKLOC extension insert (TSE) has slots cut out of the flanges to allow the drywall screw to penetrate through the drywall and the outer portion of the stud (TSO) while passing through the slot. The slot allows the drywall to be attached while still allowing for deflection at the head-of-wall joint. See Figure 3. The TSE is fitted into the TSO, allowing the length of the TRAKLOC stud to be adjusted in the field. The TRAKLOC Deflection Studs (TLD) have the designation xxxTLDxxx-xx.

**3.1.4 TRAKLOC Extension Insert:** The TRAKLOC extension insert (TSE) is used with the TLA and TLD to allow for small amounts of vertical deflection. It has a base metal thickness of 33 mils. The minimum overall length of the TSE is 12 inches (305 mm) with a required minimum overlap length of 8 inches (204) mm. It is manufactured without web punch-outs, and with and without flange punch-outs. The flange punch-outs, when present, are 3/4-inch by 3.0 inch (19 mm by 76 mm). The TSE without flange punch-outs is used with the TSO for the adjustable length studs (TLA). The TSE with flange punch-outs is used with the TSO for the deflection stud (TLD). See Figure 3.

**3.1.5 TRAKLOC Elevator Stud:** The TRAKLOC Elevator Stud (TLE) is comprised of two approximately equal length TSO & TSE parts of like thicknesses and is supplied in collapsed or retracted position to accommodate transport in a building elevator. It is then extended (telescoped) to the required fully extended length at the point of installation. The minimum overlap length for the elevator studs (TLE) is 11 inches (280 mm). The TSE and TSO components for use with the elevator stud are manufactured with web punch-outs. Each component is approximately 6 inches (152 mm) longer than one-half of

the required span (telescoped) length. The TRAKLOC Elevator Studs (TLE) have the designation xxxTLExxx-xx.

**3.1.6 TRAKLOC Track:** The TRAKLOC Track has a V-groove rolled into the flanges of the track to match the swaged ends of the TRAKLOC stud and dimples pressed into the center of the web. The TRAKLOC Track is typically provided in 10 foot (3048 mm) lengths. Custom lengths are available.

The tracks are channel-shaped with an inward ridge to twist and lock the studs to the track and have the designation xxxTTSxxx-xx. See Figure 1 for stud and track configurations. See Figure 2 for punch-out configurations.

**3.1.7 TRAKLOC Punch-outs:** The TLF fixed length stud and the TSO for the adjustable length studs (TLA) and the deflection studs (TLD) are manufactured with web punch-outs. The punch-outs are 3/4-inch by 4.0 inches (19 mm by 102 mm) for TSOs with web depth of less than 3 inches (76 mm). For all other TSO web depths the punch-outs are 1 1/2-inches by 4.0 inches (38 mm by 102 mm). Punch-outs are spaced a minimum of 24 inches (610 mm) on center along the centerline of the TSO, with a minimum distance of 10 inches (254 mm) from the end of the member to the near edge of the punch-out.

**3.2 Material:**

**3.2.1 Steel:** The 24 mil studs and tracks are formed from coils of steel complying with ASTM A1003, NS57. All other studs and tracks are formed from coils of steel complying with ASTM A1003, NS33. The uncoated minimum base-metal thickness is specified in Table 2. The coating on the steel is a metallic coating conforming to ASTM A653/A653M with a minimum G40 (Z120) coating.

**3.2.2 Gypsum Wallboard:** Gypsum wallboard must be a minimum of 5/8-inch (15.9 mm) thick and Type X, complying with ASTM C1396 and manufactured by of the following companies: American Gypsum; CertainTeed; Georgia Pacific; Continental; National Gypsum; or United States Gypsum.

**3.2.3 Fasteners:** Fasteners attaching the gypsum wallboard to the studs and tracks must be No. 6, Type S, fine thread drywall bugle head screws conforming to ASTM C1002.

**4.0 DESIGN AND INSTALLATION**

Installation of the TRAKLOC nonload-bearing wall steel framing system must be in accordance with the applicable code, the approved construction documents and this report. If there is a conflict between this report and the documents submitted for approval, this report governs. The approved plans must be available on the jobsite at all times during installation.

Load-span combinations must be limited to those shown in Tables 3, 4, and 5.

**5.0 CONDITIONS OF USE**

The TRAKLOC nonload-bearing wall steel framing system described in this report complies with, or is a suitable alternative to what is specified in those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** The TRAKLOC nonload-bearing wall steel framing system is manufactured, identified and installed in accordance with this report, the approved plans, and the manufacturer's published installation instructions.
- 5.2** The composite wall assemblies are limited to interior nonload-bearing installations where the superimposed axial load is zero pounds (zero Newtons).
- 5.3** Design of the attachment of the wall to the surrounding structure is outside the scope of this report.
- 5.4** Calculations and drawings demonstrating compliance with this report must be submitted to the code official for each project. The calculations and construction documents must be prepared and sealed by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.
- 5.5** Installation of the gypsum wallboard must meet the requirements of ASTM C840 or GA-216.
- 5.6** TRAKLOC studs and tracks are manufactured at the facilities listed in Table 1.

**6.0 EVIDENCE SUBMITTED**

Data in accordance with the ICC Acceptance Criteria for Cold-formed Steel Framing Members—Interior Nonload-Bearing Wall Assemblies (AC86), Approved May 2012 (editorially revised August 2015).

**7.0 IDENTIFICATION**

Each TRAKLOC stud and track must have a legible label or stamp, at a maximum spacing of 96 inches (2413 mm) on center, indicating the member designation; manufacturer's name or initials (CD); the minimum yield strength if other than 33 ksi (230 MPa); the designation "NS"; and the evaluation report number (ESR-1464).

The TRAKLOC extension insert must have a legible label or stamp indicating the member designation (TSE); the manufacturer's name or initials (CD); and the evaluation report number (ESR-1464).

**TABLE 1—MANUFACTURING LOCATIONS**

ClarkDietrich® Building Systems - Woodland 1685 Tide Court Woodland, CA 95776	ClarkDietrich® Building Systems - Bristol 780 James P, Casey Road Bristol, CT 06010
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TABLE 2—TRAKLOC STUDS AND TRACKS

STUDS <sup>1,2</sup>							
MEMBER DESIGNATION <sup>4</sup>	WEIGHT (lb./ft.)	DEPTH (in.)	FLANGE (in.)	LIP (in.)	THICKNESS (mils)	MINIMUM BASE-METAL THICKNESS <sup>3</sup> (in.)	DESIGN THICKNESS (in.)
250__125-18	0.346	2.5	1.25	0.3125	18	0.0179	0.0188
250__125-24	0.456				24	0.0238	0.0250
250__125-30	0.569				30	0.0296	0.0312
250__125-33	0.629				33	0.0329	0.0346
362__125-18	0.418	3.625	1.25	0.3125	18	0.0179	0.0188
362__125-24	0.552				24	0.0238	0.0250
362__125-30	0.688				30	0.0296	0.0312
362__125-33	0.762				33	0.0329	0.0346
400__125-18	0.437	4	1.25	0.3125	18	0.0179	0.0188
400__125-24	0.583				24	0.0238	0.0250
400__125-30	0.728				30	0.0296	0.0312
400__125-33	0.804				33	0.0329	0.0346
600__125-18	0.570	6	1.25	0.3125	18	0.0179	0.0188
600__125-24	0.753				24	0.0238	0.0250
600__125-30	0.940				30	0.0296	0.0312
600__125-33	1.040				33	0.0329	0.0346
TRACKS							
250TTS137-18	0.350	2.5	1.375	---	18	0.0179	0.0188
250TTS137-24	0.466				24	0.0238	0.0250
250TTS137-30	0.581				30	0.0296	0.0312
250TTS137-33	0.645				33	0.0329	0.0346
362TTS137-18	0.423	3.625	1.375	---	18	0.0179	0.0188
362TTS137-24	0.562				24	0.0238	0.0250
362TTS137-30	0.701				30	0.0296	0.0312
362TTS137-33	0.778				33	0.0329	0.0346
400TTS137-18	0.446	4	1.375	---	18	0.0179	0.0188
400TTS137-24	0.593				24	0.0238	0.0250
400TTS137-30	0.740				30	0.0296	0.0312
400TTS137-33	0.820				33	0.0329	0.0346
600TTS137-18	0.574	6	1.375	---	18	0.0179	0.0188
600TTS137-24	0.763				24	0.0238	0.0250
600TTS137-30	0.953				30	0.0296	0.0312
600TTS137-33	1.056				33	0.0329	0.0346

For **SI**: 1 inch = 25.4 mm, 1 lb/ft = 1.488 kg/m.

<sup>1</sup>Values based on stud base (TSO).

<sup>2</sup>Depth of studs measured from outside face to outside face of flanges of TSO. Depth of track measured from inside face to inside face of flanges.

<sup>3</sup>Minimum base metal thickness permitted for framing members delivered to the project site.

<sup>4</sup>For member designations containing "\_\_\_\_", the "\_\_\_\_" is TLF, TLA, TLD, or TLE, as applicable.

**TABLE 3—COMPOSITE LIMITING HEIGHTS<sup>1,2</sup> (feet-inches)  
TRAKLOC ADJUSTABLE STUDS (TLA) AND TRAKLOC FIXED LENGTH STUDS (TLF)**

MEMBER DESIGNATION TLA (TLF)	STUD SPACING (in)	TRANSVERSE LOAD											
		5 psf			7.5 psf			10 psf			15 psf		
		Deflection Limit											
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
250TLA125-18 (250TLF125-18)	12	17-2	14-5	12-7	14-6	12-8	11-0	12-7	11-6	10-0	8-3	8-3	8-3
	16	15-10	13-7	11-10	13-0	11-10	10-4	11-3	10-9	9-3	---	---	---
	24	13-4	12-3	10-8	10-11	10-8	9-1	9-5	9-5	7-11	---	---	---
362TLA125-18 (362TLF125-18)	12	21-7	17-11	15-8	18-10	15-8	13-8	16-4	14-3	12-5	10-9	10-9	10-8
	16	20-0	16-8	14-7	16-4	14-7	12-8	14-1	13-3	11-6	9-3	9-3	9-3
	24	16-4	14-10	13-0	13-4	13-0	11-2	11-6	11-6	9-10	---	---	---
400TLA125-18 (400TLF125-18)	12	23-4	18-6	16-4	19-5	16-2	14-3	16-10	14-8	12-11	11-1	11-1	11-1
	16	20-7	17-5	15-4	16-10	15-3	13-5	14-7	13-10	12-2	9-7	9-7	9-7
	24	16-10	15-9	13-10	13-9	13-9	12-1	11-11	11-11	10-9	7-10	7-10	7-10
600TLA125-18 (600TLF125-18)	12	30-5	25-3	22-5	24-10	22-0	19-7	21-6	20-0	17-9	14-1	14-1	14-1
	16	26-4	23-4	20-9	21-6	20-5	18-2	18-7	18-7	16-6	12-3	12-3	12-3
	24	21-6	20-9	18-5	17-7	17-7	16-1	15-2	15-2	14-5	---	---	---
250TLA125-24 (250TLF125-24)	12	16-10	14-10	13-1	15-0	13-0	11-5	13-9	11-10	10-4	10-8	10-4	9-0
	16	16-8	13-9	12-1	14-7	12-0	10-7	13-3	10-11	9-7	9-7	9-6	8-1
	24	14-10	12-3	10-9	13-0	10-8	9-3	11-9	9-8	8-2	8-1	8-1	---
362TLA125-24 (362TLF125-24)	12	24-1	19-1	16-8	21-0	16-8	14-7	19-1	15-2	13-3	12-7	12-7	11-6
	16	21-10	17-4	15-2	19-1	15-2	13-3	17-4	13-9	12-0	11-6	11-6	10-4
	24	19-1	15-2	13-3	16-8	13-3	11-6	15-0	12-0	10-4	9-10	9-10	8-11
400TLA125-24 (400TLF125-24)	12	24-4	19-4	16-11	21-3	16-11	14-9	19-4	15-4	13-5	14-0	13-5	11-8
	16	23-1	18-4	16-0	20-2	16-0	14-0	18-4	14-7	12-9	12-6	12-6	11-0
	24	21-0	16-8	14-7	18-4	14-7	12-9	16-0	13-3	11-6	10-6	10-6	9-10
600TLA125-24 (600TLF125-24)	12	33-5	27-4	24-2	29-2	23-11	21-1	26-6	21-8	19-2	18-8	18-8	16-9
	16	30-4	24-10	21-11	26-6	21-8	19-2	24-1	19-9	17-5	16-2	16-2	15-2
	24	26-6	21-8	19-2	23-2	18-11	16-9	20-1	17-3	15-2	13-3	13-3	13-1
250TLA125-30 (250TLF125-30)	12	18-5	16-0	14-0	16-2	14-0	12-3	14-9	12-8	11-2	12-1	11-1	9-9
	16	17-6	15-0	13-2	15-4	13-1	11-6	13-11	11-11	10-6	10-10	10-5	9-1
	24	15-9	13-5	11-10	13-9	11-9	10-4	12-6	10-8	9-3	9-2	9-2	---
362TLA125-30 (362TLF125-30)	12	24-7	20-2	17-10	21-6	17-8	15-7	19-6	16-0	14-2	14-2	14-0	12-4
	16	22-8	18-8	16-6	19-10	16-4	14-5	18-0	14-10	13-1	12-11	12-11	11-4
	24	20-1	16-7	14-7	17-7	14-6	12-9	16-0	13-2	11-7	11-1	11-1	10-2
400TLA125-30 (400TLF125-30)	12	26-3	20-11	18-4	23-0	18-5	16-3	20-10	16-10	14-11	16-6	14-10	13-2
	16	24-3	19-11	17-5	21-2	17-5	15-3	19-3	15-10	13-11	14-3	13-10	12-2
	24	21-6	17-8	15-7	18-9	15-5	13-7	17-1	14-0	12-4	11-8	11-8	10-9
600TLA125-30 (600TLF125-30)	12	35-5	28-1	24-6	30-11	24-6	21-5	28-1	22-4	19-6	20-9	19-6	17-0
	16	33-3	26-4	23-0	29-0	23-0	20-1	26-4	20-11	18-3	18-0	18-0	15-11
	24	29-11	23-9	20-9	25-10	20-9	18-1	22-4	18-10	16-5	---	---	---
250TLA125-33 (250TLF125-33)	12	20-11	16-7	14-6	18-3	14-6	12-8	16-7	13-2	11-6	12-7	11-6	10-1
	16	19-0	15-1	13-2	16-7	13-2	11-6	15-1	12-0	10-6	11-2	10-6	9-0
	24	16-7	13-2	11-6	14-6	11-6	10-1	13-2	10-6	9-0	9-4	9-0	---
362TLA125-33 (362TLF125-33)	12	25-5	20-2	17-7	22-2	17-7	15-4	20-2	16-0	14-0	15-10	14-0	12-2
	16	23-9	18-10	16-6	20-9	16-6	14-5	18-10	15-0	13-1	13-8	13-1	11-4
	24	21-4	16-11	14-10	18-8	14-10	12-11	16-11	13-5	11-8	11-2	11-2	10-1
400TLA125-33 (400TLF125-33)	12	27-7	22-9	19-11	24-1	19-10	17-6	21-10	18-1	15-11	16-7	15-9	13-11
	16	25-0	20-8	18-2	21-10	18-1	15-11	19-10	16-5	14-5	14-4	14-4	12-8
	24	21-10	18-1	15-11	19-1	15-9	13-11	17-4	14-4	12-8	11-9	11-9	11-1
600TLA125-33 (600TLF125-33)	12	36-0	28-7	25-0	31-5	25-0	21-10	28-7	22-8	19-10	20-10	19-10	17-3
	16	33-9	26-9	23-5	29-5	23-5	20-5	26-9	21-3	18-7	18-1	18-1	16-1
	24	30-3	24-0	21-0	25-11	21-0	18-4	22-5	19-1	16-7	---	---	---

For SI: 1 inch = 25.4 mm, 1 ft = 0.3048m, 1 psf = 47.88 Pa.

<sup>1</sup>The gypsum board must be applied full height in the vertical orientation to each stud flange using minimum No. 6 Type S Drywall screws spaced as listed below:

- Screws spaced maximum 12 inches on-center to studs spaced at 12 inches on-center.
- Screws spaced maximum 12 inches on-center to studs spaced at 16 inches or 24 inches on-center.
- Screws spaced 16 inches on-center to the top and bottom track.

<sup>2</sup>The overlap between the TRAKLOC stud and the TSE end inserts must be no less than 8 inches.

TABLE 4—COMPOSITE LIMITING HEIGHTS<sup>1,2</sup> (feet-inches) TRAKLOC DEFLECTION STUDS (TLD)

MEMBER DESIGNATION	STUD SPACING (in)	TRANSVERSE LOAD											
		5 psf			7.5 psf			10 psf			15 psf		
		Deflection Limit											
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
250TLD125-18	12	17-2	14-5	12-7	14-6	12-8	11-0	12-7	11-6	10-0	---	---	---
	16	15-10	13-7	11-10	13-0	11-10	10-4	11-2	10-9	9-3	---	---	---
	24	13-4	12-3	10-8	9-11	9-11	---	---	---	---	---	---	---
362TLD125-18	12	21-7	17-11	15-8	15-10	15-8	13-8	11-10	11-10	11-10	---	---	---
	16	17-9	16-8	14-7	11-10	11-10	11-10	8-11	8-11	8-11	---	---	---
	24	11-10	11-10	11-10	7-11	7-11	7-11	---	---	---	---	---	---
400TLD125-18	12	23-4	18-6	16-4	19-5	16-2	14-3	16-10	14-8	12-11	---	---	---
	16	20-7	17-5	15-4	16-10	15-3	13-5	12-9	12-9	12-2	---	---	---
	24	16-10	15-9	13-10	11-4	11-4	11-4	8-6	8-6	8-6	---	---	---
600TLD125-18	12	20-8	20-8	20-8	13-10	13-10	13-10	---	---	---	---	---	---
	16	15-6	15-6	15-6	---	---	---	---	---	---	---	---	---
	24	---	---	---	---	---	---	---	---	---	---	---	---
250TLD125-24	12	16-10	14-10	13-1	15-0	13-0	11-5	13-9	11-10	10-4	10-8	10-4	9-0
	16	16-8	13-9	12-1	14-7	12-0	10-7	13-3	10-11	9-7	9-7	9-6	8-1
	24	14-10	12-3	10-9	13-0	10-8	9-3	11-9	9-8	8-2	---	---	---
362TLD125-24	12	24-1	19-1	16-8	21-0	16-8	14-7	19-1	15-2	13-3	12-7	12-7	11-6
	16	21-10	17-4	15-2	19-1	15-2	13-3	17-4	13-9	12-0	9-8	9-8	9-8
	24	19-1	15-2	13-3	16-8	13-3	11-6	14-11	12-0	10-4	---	---	---
400TLD125-24	12	24-4	19-4	16-11	21-3	16-11	14-9	19-4	15-4	13-5	14-0	13-5	11-8
	16	23-1	18-4	16-0	20-2	16-0	14-0	18-4	14-7	12-9	12-6	12-6	11-0
	24	21-0	16-8	14-7	18-4	14-7	12-9	16-0	13-3	11-6	9-3	9-3	9-3
600TLD125-24	12	33-5	27-4	24-2	29-2	23-11	21-1	24-2	21-8	19-2	---	---	---
	16	30-4	24-10	21-11	24-2	21-8	19-2	18-1	18-1	17-5	---	---	---
	24	24-2	21-8	19-2	16-1	16-1	16-1	12-1	12-1	12-1	---	---	---
250TLD125-30	12	18-5	16-0	14-0	16-2	14-0	12-3	14-9	12-8	11-2	12-1	11-1	9-9
	16	17-6	15-0	13-2	15-4	13-1	11-6	13-11	11-11	10-6	10-10	10-5	9-1
	24	15-9	13-5	11-10	13-9	11-9	10-4	12-6	10-8	9-3	9-2	9-2	---
362TLD125-30	12	24-7	20-2	17-10	21-6	17-8	15-7	19-6	16-0	14-2	14-2	14-0	12-4
	16	22-8	18-8	16-6	19-10	16-4	14-5	18-0	14-10	13-1	12-11	12-11	11-4
	24	20-1	16-7	14-7	17-7	14-6	12-9	16-0	13-2	11-7	---	---	---
400TLD125-30	12	26-3	20-11	18-4	23-0	18-5	16-3	20-10	16-10	14-11	16-6	14-10	13-2
	16	24-3	19-11	17-5	21-2	17-5	15-3	19-3	15-10	13-11	14-3	13-10	12-2
	24	21-6	17-8	15-7	18-9	15-5	13-7	17-1	14-0	12-4	10-6	10-6	10-6
600TLD125-30	12	35-5	28-1	24-6	30-11	24-6	21-5	28-1	22-4	19-6	---	---	---
	16	33-3	26-4	23-0	29-0	23-0	20-1	26-4	20-11	18-3	---	---	---
	24	29-11	23-9	20-9	23-7	20-9	18-1	17-8	17-8	16-5	---	---	---
250TLD125-33	12	20-11	16-7	14-6	18-3	14-6	12-8	16-7	13-2	11-6	12-7	11-6	10-1
	16	19-0	15-1	13-2	16-7	13-2	11-6	15-1	12-0	10-6	11-2	10-6	9-0
	24	16-7	13-2	11-6	14-6	11-6	10-1	13-2	10-6	9-0	9-4	9-0	---
362TLD125-33	12	25-5	20-2	17-7	22-2	17-7	15-4	20-2	16-0	14-0	15-10	14-0	12-2
	16	23-9	18-10	16-6	20-9	16-6	14-5	18-10	15-0	13-1	13-8	13-1	11-4
	24	21-4	16-11	14-10	18-8	14-10	12-11	16-11	13-5	11-8	---	---	---
400TLD125-33	12	27-7	22-9	19-11	24-1	19-10	17-6	21-10	18-1	15-11	16-7	15-9	13-11
	16	25-0	20-8	18-2	21-10	18-1	15-11	19-10	16-5	14-5	14-4	14-4	12-8
	24	21-10	18-1	15-11	19-1	15-9	13-11	17-4	14-4	12-8	11-0	11-0	11-0
600TLD125-33	12	36-0	28-7	25-0	31-5	25-0	21-10	28-7	22-8	19-10	15-9	15-9	15-9
	16	33-9	26-9	23-5	29-5	23-5	20-5	26-9	21-3	18-7	---	---	---
	24	30-3	24-0	21-0	24-8	21-0	18-4	18-6	18-6	16-7	---	---	---

For SI: 1 inch = 25.4 mm, 1 ft = 0.3048m, 1 psf = 47.88 Pa.

<sup>1</sup>The gypsum board must be applied full height in the vertical orientation to each stud flange using minimum No. 6 Type S Drywall screws spaced as listed below:

- Screws spaced maximum 16 inches on-center to studs spaced at 12 inches on-center.
- Screws spaced maximum 12 inches on-center to studs spaced at 16 inches or 24 inches on-center.
- Screws spaced 16 inches on-center to the bottom track only.

<sup>2</sup>The overlap between the TRAKLOC deflection stud and the TSE end inserts must be no less than 8 inches.



**TABLE 5—COMPOSITE LIMITING HEIGHTS<sup>1,2</sup> (feet-inches)  
TRAKLOC ELEVATOR STUDS (TLE)**

MEMBER DESIGNATION	STUD SPACING (in)	TRANSVERSE LOAD											
		5 psf			7.5 psf			10 psf			15 psf		
		Deflection Limit											
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
250TLE125-18	12	17-0	15-1	12-11	14-11	13-2	11-4	13-6	12-0	10-3	9-1	9-1	8-6
	16	15-6	13-9	11-9	13-6	12-0	10-3	12-0	10-11	9-0	7-11	7-11	---
	24	13-6	12-0	10-3	11-4	10-6	8-6	9-10	9-5	---	---	---	---
362TLE125-18	12	20-7	17-2	14-6	18-0	15-0	12-8	16-1	13-7	11-5	10-7	10-7	9-8
	16	18-9	15-7	13-2	16-1	13-7	11-5	13-11	12-4	10-2	9-2	9-2	8-7
	24	16-1	13-7	11-5	13-2	11-11	9-8	11-5	10-8	8-7	---	---	---
400TLE125-18	12	21-1	18-3	15-4	18-5	15-11	13-5	16-8	14-6	12-2	11-2	11-2	10-3
	16	19-1	16-7	13-11	16-8	14-6	12-2	14-8	13-2	10-10	9-8	9-8	9-1
	24	16-8	14-6	12-2	13-10	12-8	10-3	12-0	11-5	9-1	7-11	7-11	---
600TLE125-18	12	---	22-7	20-7	---	19-8	17-11	---	17-1	16-4	---	---	---
	16	---	20-8	18-8	---	17-1	16-4	---	14-9	14-9	---	---	---
	24	---	17-1	16-3	---	13-11	13-11	---	12-1	12-1	---	---	---
250TLE125-24	12	18-9	15-9	13-8	16-5	13-9	12-0	14-11	12-6	10-11	11-5	10-11	9-4
	16	17-1	14-4	12-5	14-11	12-6	10-11	13-6	11-4	9-11	9-10	9-10	7-10
	24	14-11	12-6	10-11	13-0	10-11	9-4	11-10	9-11	7-10	8-1	7-10	---
362TLE125-24	12	22-6	17-10	15-7	19-8	15-7	13-7	17-10	14-2	12-5	13-8	12-5	10-7
	16	20-5	16-3	14-2	17-10	14-2	12-5	16-3	12-10	11-1	11-10	11-1	9-5
	24	17-10	14-2	12-5	15-7	12-5	10-7	14-2	11-1	9-5	9-8	9-5	8-0
400TLE125-24	12	24-9	19-8	17-2	21-8	17-2	15-0	19-8	15-7	13-8	13-4	13-4	11-11
	16	22-6	17-10	15-7	19-8	15-7	13-8	17-8-f	14-2	12-5	11-6	11-6	10-6
	24	19-8	15-7	13-8	16-8-f	13-8	11-11	14-5-f	12-5	10-6	9-5	9-5	8-10
600TLE125-24	12	28-9	25-11	21-8	23-6	22-8	19-1	20-4	20-4	17-5	13-4	13-4	13-4
	16	24-11	23-6	19-10	20-4	20-4	17-5	17-7	17-7	15-11	---	---	---
	24	20-4	20-4	17-5	16-7	16-7	15-4	14-4	14-4	13-11	---	---	---
250TLE125-30	12	20-0	16-9	14-7	17-6	14-7	12-8	15-11	13-3	11-7	12-8	11-7	10-1
	16	18-2	15-2	13-3	15-11	13-3	11-7	14-5	12-1	10-6	10-11	10-6	8-9
	24	15-11	13-3	11-7	13-11	11-7	10-1	12-7	10-6	8-9	8-11	8-9	---
362TLE125-30	12	24-5	19-5	16-11	21-4	16-11	14-10	19-5	15-5	13-5	15-9	13-5	11-7
	16	22-3	17-8	15-5	19-5	15-5	13-5	17-8	14-0	12-1	13-8	12-1	10-4
	24	19-5	15-5	13-5	16-11	13-5	11-7	15-5	12-1	10-4	11-2	10-4	---
400TLE125-30	12	27-3	21-7	18-10	23-9	18-10	16-6	21-7	17-2	15-0	16-6	15-0	13-1
	16	24-9	19-8	17-2	21-7	17-2	15-0	19-8	15-7	13-7	14-3	13-7	11-9
	24	21-7	17-2	15-0	18-10	15-0	13-1	17-2	13-7	11-9	11-8	11-8	10-2-
600TLE125-30	12	33-3	27-0	23-11	27-6	23-11	21-1	23-10	21-0	19-3	---	---	---
	16	29-2	24-9	21-10	23-10	21-10	19-3	20-8	20-0	17-7	---	---	---
	24	23-10	21-10	19-3	19-6	19-3	16-11	16-10	16-10	---	---	---	---
250TLE125-33	12	20-0	16-9	14-7	17-6	14-7	12-8	15-11	13-3	11-7	12-8	11-7	10-1
	16	18-2	15-2	13-3	15-11	13-3	11-7	14-5	12-1	10-6	10-11	10-6	8-9
	24	15-11	13-3	11-7	13-11	11-7	10-1	12-7	10-6	8-9	8-11	8-9	---
362TLE125-33	12	25-4	20-1	17-7	22-2	17-7	15-4	20-1	15-11	13-11	15-9	13-11	12-1
	16	23-0	18-3	15-11	20-1	15-11	13-11	18-3	14-6	12-8	13-8	12-8	10-11
	24	20-1	15-11	13-11	17-7	13-11	12-1	15-11	12-8	10-11	11-2	10-11	---
400TLE125-33	12	27-1	21-6	18-10	23-8	18-10	16-5	21-6	17-1	14-11	16-3	14-11	13-0
	16	24-8	19-7	17-1	21-6	17-1	14-11	19-7	15-6	13-7	14-1	13-7	11-9
	24	21-6	17-1	14-11	18-10	14-11	13-0	17-1	13-7	11-9	11-6	11-6	10-2
600TLE125-33	12	33-3	27-0	23-11	27-6	23-11	21-1	23-10	21-10	19-3	---	---	---
	16	29-2	24-9	21-10	23-10	21-10	19-3	20-8	20-0	17-7	---	---	---
	24	23-10	21-10	19-3	19-6	19-3	16-11	16-10	16-10	---	---	---	---

For SI: 1 inch = 25.4 mm, 1 ft = 0.3048m, 1 psf = 47.88 Pa.

<sup>1</sup>The gypsum board must be applied full height in the vertical orientation to each stud flange using minimum No. 6 Type S Drywall screws spaced as listed below:

- Screws spaced maximum 12 inches on-center to studs.
- Screws spaced 16 inches on-center to the top and bottom track.

<sup>2</sup>The overlap between the two TRAKLOC stud pieces must be no less than 11 inches.

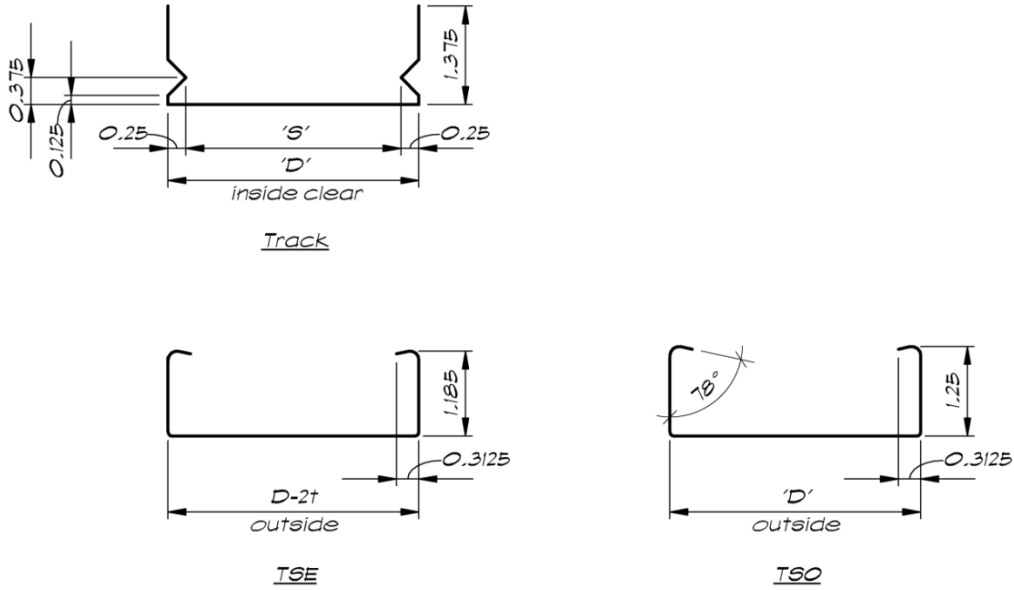


FIGURE 1—TRAKLOC MEMBERS

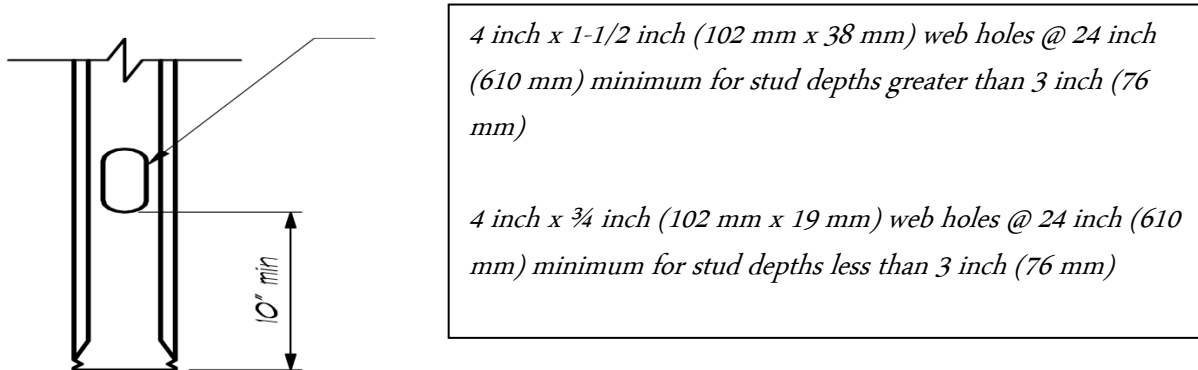


FIGURE 2—HOLE CONFIGURATION

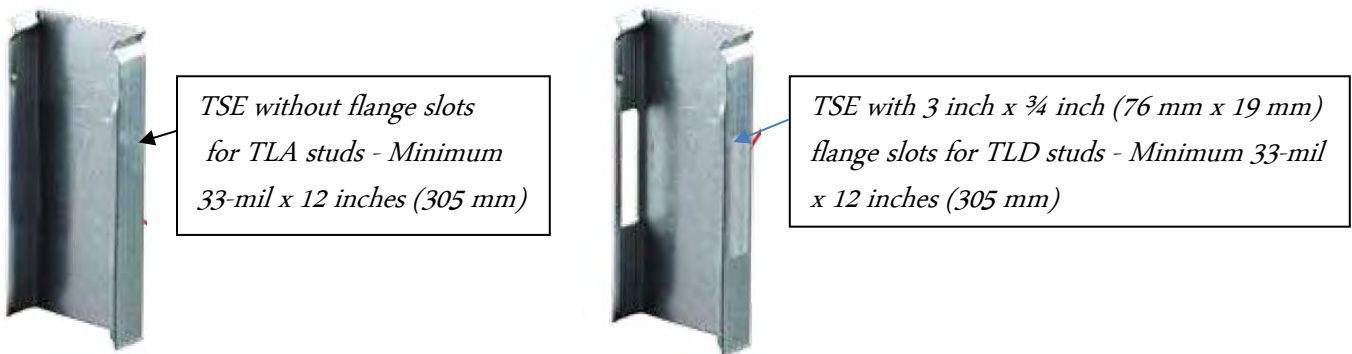


FIGURE 3—SHORT TSE CONFIGURATIONS



## ICC-ES Evaluation Report

## ESR-1464 CBC Supplement

Reissued January 2017

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This report is subject to renewal January 2018.

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**EVALUATION SUBJECT:**

**TRAKLOC® NONLOAD-BEARING WALL STUD FRAMING SYSTEM**

### 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that the Trakloc® Nonload Bearing Wall Stud Framing System, recognized in ICC-ES master report ESR-1464, has also been evaluated for compliance with the code noted below.

**Applicable code edition:**

2016 *California Building Code* (CBC)

### 2.0 CONCLUSIONS

The Trakloc® nonload-bearing wall stud framing system, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1464, complies with CBC Chapters 22 and 22A, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master evaluation report and the additional requirements of CBC Chapters 16, 16A, 17 and 17A, as applicable.

This supplement expires concurrently with the master report, reissued January 2017 and revised May 2017.

## ICC-ES Evaluation Report

## ESR-1464 FBC Supplement

Issued May 2017

This report is subject to renewal January 2018.

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**EVALUATION SUBJECT:**

**TRAKLOC® NONLOAD-BEARING WALL STUD FRAMING SYSTEM**

### 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that the TRAKLOC nonload-bearing wall stud framing system, recognized in ICC-ES master evaluation report ESR-1464, has also been evaluated for compliance with the code noted below.

**Applicable code edition:**

2014 *Florida Building Code—Building*

### 2.0 CONCLUSIONS

The TRAKLOC nonload-bearing wall stud framing system, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1464, complies with the *Florida Building Code—Building*, provided the design and installation are in accordance with the 2012 *International Building Code*® (IBC) provisions noted in the master report.

Use of the Trakloc nonload-bearing wall stud framing system for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 9N-3, verification that the report holder's quality-assurance program is audited by a quality-assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official, when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued January 2017 and revised May 2017.