09.22.16 (Non-Structural Metal Framing)

ASTM & Code Standards:
• AISI-NASPEC 2007 w/S2-10
• Meets or exceeds ASTM C645
• ICC ESR-1464 - Evaluation Report
• SDS & Product Certification Information available at www.clarkdietrich.com

Sustainability Credits:
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich’s steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)
**Product category:** (TLE) TRAKLOC Elevator Stud  
**Product name:** 362TLE125-30 33ksi G40 - Punched  
3-5/8" TRAKLOC Stud 30 mils (20ga DW)

### 3-5/8" TRAKLOC Stud 30 mils (20ga DW) Drywall Stud - COMPOSITE Limiting Heights (AC86-2012)

**(1 layer) 5/8" Type X Gypsum Board**

<table>
<thead>
<tr>
<th>Spacing (inches)</th>
<th>5 psf L/120</th>
<th>L/240</th>
<th>L/360</th>
<th>7.5 psf L/120</th>
<th>L/240</th>
<th>L/360</th>
<th>10 psf L/120</th>
<th>L/240</th>
<th>L/360</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>24'-5&quot;</td>
<td>19'-5&quot;</td>
<td>16'-11&quot;</td>
<td>21'-4&quot;</td>
<td>16'-11&quot;</td>
<td>14'-10&quot;</td>
<td>16'-11&quot;</td>
<td>13'-5&quot;</td>
<td>13'-5&quot;</td>
</tr>
<tr>
<td>16</td>
<td>19'-5&quot;</td>
<td>15'-5&quot;</td>
<td>16'-11&quot;</td>
<td>19'-5&quot;</td>
<td>15'-5&quot;</td>
<td>13'-5&quot;</td>
<td>17'-8&quot;</td>
<td>14'-0&quot;</td>
<td>12'-1&quot;</td>
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<tr>
<td>24</td>
<td>19'-5&quot;</td>
<td>15'-5&quot;</td>
<td>13'-5&quot;</td>
<td>16'-11&quot;</td>
<td>13'-5&quot;</td>
<td>11'-7&quot;</td>
<td>15'-5&quot;</td>
<td>12'-1&quot;</td>
<td>10'-4&quot;</td>
</tr>
</tbody>
</table>

**Composite Table Notes:**
- Allowable composite limiting heights were determined in accordance with ICC-ES AC86-2012.
- Additional composite wall testing and analysis requirements of the SFIA Code Compliance Certification Program were observed.
- In accordance with current building codes and AISI design standards, the 1/3 Stress Increase for strength was not used.
- The composite limiting heights provided in the tables are based on a single layer of 5/8" Type X Gypsum Board complying with ASTM C1396 and from the following manufacturers: American Gypsum, CertainTeed, Georgia Pacific, Continental, National Gypsum or USG.
- The gypsum board must be applied full height in the vertical orientation to each stud flange and installed in accordance with ASTM C754 using minimum No. 6 Type S fine thread Drywall bugle head screws spaced as listed below:
  - Screws spaced a maximum of 12 inch on-center studs.
  - Screws spaced 16 inch on-center to the top and bottom track.
- No fasteners are required for attaching the stud to the track except as detailed in ASTM C754.
- Stud end bearing must be a minimum of 1 inch.
- The minimum overlap of the TSO (Outer Stud) and TSE (Inner Stud) must be 11 inches.
- f: Adjacent to the height value indicates that flexural stress controls the allowable wall height.
- s: Adjacent to the height value indicates that shear/end reaction controls the allowable wall height.

### 3-5/8" TRAKLOC Stud 30 mils (20ga DW) Drywall Stud - NON-COMPOSITE Limiting Heights (FULLY BRACED)

<table>
<thead>
<tr>
<th>Spacing (inches)</th>
<th>5 psf L/120</th>
<th>L/240</th>
<th>L/360</th>
<th>7.5 psf L/120</th>
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<tbody>
<tr>
<td>12</td>
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<td>17'-0&quot;</td>
<td>14'-10&quot;</td>
<td>17'-9&quot;</td>
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<tr>
<td>16</td>
<td>18'-10&quot;</td>
<td>15'-5&quot;</td>
<td>13'-6&quot;</td>
<td>15'-4&quot;</td>
<td>15'-2&quot;</td>
<td>13'-3&quot;</td>
<td>13'-3&quot;</td>
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<td>12'-6&quot;</td>
<td>11'-7&quot;</td>
<td>10'-10&quot;</td>
<td>10'-10&quot;</td>
<td>10'-6&quot;</td>
</tr>
</tbody>
</table>

**Non-Composite Table Notes:**
- Heights are based on AISI S100-07 w/S2-10 Supplement, and AISI S100-12 Specification using steel properties alone.
- Compression flange must be continuously braced.
- End bearing must be 1 inch.
- The minimum overlap of the TSO (Outer Stud) and TSE (Inner Stud) must be 11 inches and must be connected with a minimum of (4) #8 x 9/16" long wafer head screws complying with ASTM C1513.
- e: Web stiffeners are required at the stud/track connection.

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**Diagram:**

Installation Notes:
See clarkdietrich.com/TRAKLOC for more installation procedures.

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**Project Information**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Contractor Information</th>
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<tr>
<td>Address:</td>
<td>Name:</td>
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**Architect Information**

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<td>Phone:</td>
<td>Fax:</td>
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