Product Submittal Sheet

Product category: ProSTUD® 30MIL Drywall Stud
Product name: 362PDS125-30 33ksi G40EQ - Punched
3-5/8" ProSTUD 30MIL (30mil)

Coating: G40EQ
Color coding: Pink

Geometric Properties
- Web depth: 3.625 in
- Flange width: 1.250 in
- Stiffening lip: 0.250 in
- Design thickness: 0.0312 in
- Yield stress, Fy: 33 ksi

Gross Section Properties of Full Section, Strong Axis
- Cross sectional area (A): 0.200 in²
- Moment of inertia (Ix): 0.398 in⁴
- Radius of gyration (Rx): 1.411 in
- Gross moment of inertia (Iy): 0.038 in⁴
- Gross radius of gyration (Ry): 0.434 in

Effective Section Properties, Strong Axis
- Effective area (Ae): 0.107 in²
- Moment of inertia for deflection (Ixe): 0.396 in⁴
- Section modulus (Sxe): 0.170 in³
- Allowable bending moment (Ma): 3,358 in-lbs
- Allowable shear force in web (Unpunched) (Vag): 776 lb
- Allowable shear force in web (Punched) (Vanet): 457 lb

Torsional Properties
- St. Venant torsion constant (J x 1000): 0.0648 in⁴
- Warping constant (Cw): 0.096 in⁶
- Distance from shear center to neutral axis (Xo): -0.820 in
- Radii of gyration (Ro): 1.689 in
- Torsional flexural constant (Beta): 0.764
- Unbraced Length (Lu): 29.7 in

Notes:
- Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural Members.
- Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
- Tabulated gross properties, including torsional properties, are based on full-unreduced cross section of the studs, away from punchouts.
- For deflection calculations, use the effective moment of inertia.
- Allowable moment includes cold work of forming.
- Allowable moment is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a k-phi = 0.

- East Coast Punch Pattern: Center of knockouts are 12” from the leading edge then 48” o.c.
- West Coast Punch Pattern: Center of knockouts are 24” from the leading edge then 24” o.c.

ASTM & Code Standards:
- AISI S100-12 & S220-15
- Meets or exceeds ASTM C645 & C754
- ASTM E119, E72 & E90
- Intertek CCRR-0207, LA RR 26019
- ProSTUD complies with the SFIA Code Compliance Certification Program
- Multiple UL® Design Listing including: V438, V450 & U419
- SDS & Product Certification Information available at www.clarkdietrich.com
- U.S. Patent No. 9,010,070

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 Submittal Sheet

**Product category:** ProSTUD® 30MIL Drywall Stud  
**Product name:** 362PDS125-30 33ksi G40EQ - Punched  
3-5/8” ProSTUD 30MIL (30mil)

### 3-5/8” ProSTUD 30MIL (30mil) Drywall Stud - COMPOSITE Limiting Heights (AC86-2015)

<table>
<thead>
<tr>
<th>Spacing (inches)</th>
<th>5 psf</th>
<th>7.5 psf</th>
<th>10 psf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/120</td>
<td>L/240</td>
<td>L/360</td>
</tr>
<tr>
<td>12</td>
<td>25'-8&quot;</td>
<td>20'-5&quot;</td>
<td>17'-10&quot;</td>
</tr>
<tr>
<td>16</td>
<td>23'-4&quot;</td>
<td>18'-6&quot;</td>
<td>16'-2&quot;</td>
</tr>
<tr>
<td>24</td>
<td>20'-5&quot;</td>
<td>16'-2&quot;</td>
<td>14'-2&quot;</td>
</tr>
</tbody>
</table>

#### Composite Table Notes:
- Allowable composite limiting heights were determined in accordance with ICC-ES AC86-2015.
- 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 type X gypsum board from the following manufacturers: American, CertainTeed, Georgia Pacific, Continental, National, PABCO, and 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 Drywall screws spaced as listed below:
  - Screws spaced a minimum of 16 in on-center to framing members spaced at 16 in or 12 in on-center.
  - Screws spaced a minimum of 12 in on-center to framing members spaced at 24 in on-center.
- 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.
- 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” ProSTUD 30MIL (30mil) Drywall Stud - NON-COMPOSITE Limiting Heights (FULLY BRACED)

<table>
<thead>
<tr>
<th>Spacing (inches)</th>
<th>5 psf</th>
<th>7.5 psf</th>
<th>10 psf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/120</td>
<td>L/240</td>
<td>L/360</td>
</tr>
<tr>
<td>12</td>
<td>21'-2&quot;</td>
<td>17'-4&quot;</td>
<td>15'-2&quot;</td>
</tr>
</tbody>
</table>
| 16               | 18'-4" | 15'-9"  | 13'-9" | 15'-0"| 13'-9"| 12'-0" | 12'-11"| 12'-6"| 10'-11"
| 24               | 15'-0" | 13'-9"  | 12'-0" | 12'-3"| 12'-0"| 10'-6" | 10'-7"| 10'-7"| 9'-6"|

#### Non-Composite (Fully Braced) Table Notes:
- Heights are based on AISI S100-12, North American Specification, and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural Members, using steel properties alone.
- Above listed Non-Composite Limiting Heights are applicable when the unbraced length is less than or equal to Lu.
- Heights are limited by moment, deflection, shear, and web crippling (assuming 1" end reaction bearing).

### 3-5/8” ProSTUD 30MIL (30mil) Drywall Stud - NON-COMPOSITE Limiting Heights (BRACED at 48” o.c.)

<table>
<thead>
<tr>
<th>Spacing (inches)</th>
<th>5 psf</th>
<th>7.5 psf</th>
<th>10 psf</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/120</td>
<td>L/240</td>
<td>L/360</td>
</tr>
<tr>
<td>12</td>
<td>20'-0&quot;</td>
<td>17'-4&quot;</td>
<td>15'-2&quot;</td>
</tr>
</tbody>
</table>
| 16               | 17'-3" | 15'-9"  | 13'-9" | 14'-1"| 13'-9"| 12'-0" | 12'-3"| 12'-3"| 10'-11"
| 24               | 14'-1" | 13'-9"  | 12'-0" | 11'-6"| 11'-6"| 10'-6" | 10'-0"| 10'-0"| 9'-6"|

#### Non-Composite (Braced at 48” o.c.) Table Notes:
- Heights are based on AISI S100-12, North American Specification, and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural Members, using steel properties alone.
- Above listed Non-Composite Limiting Heights are based on discreet stud bracing at 4 ft o.c.
- Heights are limited by moment, deflection, shear, and web crippling (assuming 1" end reaction bearing).