**Product Submittal Sheet**

**Technical Services:** 888-437-3244  
**Engineering Services:** 877-832-3206  
**Sales:** 800-543-7140  
clarkdietrich.com

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**Product Submittal Sheet**

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

**Geometric Properties**

- **Web depth:** 3.625 in
- **Flange width:** 1.250 in
- **Stiffening lip:** 0.250 in
- **Design thickness:** 0.0346 in
- **Yield stress, Fy:** 33 ksi

**Gross Section Properties of Full Section, Strong Axis**

- **Cross sectional area (A):** 0.221 in²
- **Moment of inertia (Ix):** 0.439 in⁴
- **Radius of gyration (Rx):** 1.409 in
- **Gross moment of inertia (Iy):** 0.041 in⁴
- **Gross radius of gyration (Ry):** 0.433 in

**Effective Section Properties, Strong Axis**

- **Effective area (Ae):** 0.127 in²
- **Moment of inertia for deflection (Ixe):** 0.439 in⁴
- **Section modulus (Sxe):** 0.200 in³
- **Allowable bending moment (Ma):** 3,943 in-lbs
- **Allowable shear force in web (Unpunched) (Vag):** 1,024 lb
- **Allowable shear force in web (Punched) (Vanet):** 541 lb

**Torsional Properties**

- **St. Venant torsion constant (J x 1000):** 0.0882 in⁴
- **Warping constant (Cw):** 0.106 in⁶
- **Distance from shear center to neutral axis (Xo):** -0.816 in
- **Radii of gyration (Ro):** 1.685 in
- **Torsional flexural constant (Beta):** 0.766
- **Unbraced Length (Lu):** 29.6 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.

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

### 3-5/8” ProSTUD 33MIL (33mil) Drywall Stud - COMPOSITE Limiting Heights (AC86-2015)

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<td>21'-2&quot;</td>
<td>16'-9&quot;</td>
<td>14'-8&quot;</td>
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**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 33MIL (33mil) Drywall Stud - NON-COMPOSITE Limiting Heights (FULLY BRACED)

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**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 33MIL (33mil) Drywall Stud - NON-COMPOSITE Limiting Heights (BRACED at 48” o.c.)

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**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).