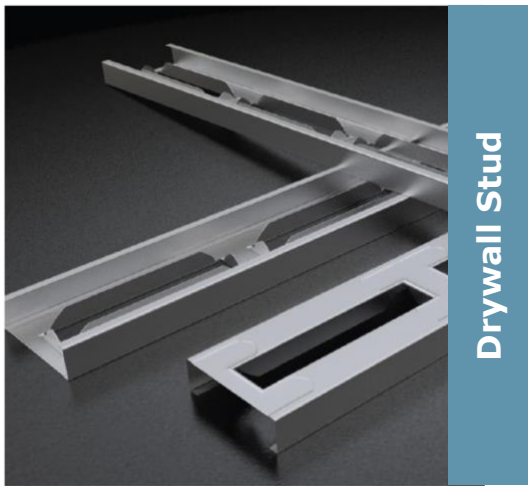
Product Submittal Sheet

Info@rstud.com
877-289-0705
www.rstud.com

SUSTAINABLE FRAMING

Product category: R-stud 23 mil drywall stud
Product name: 362RS162-23 50Ksi G60
3-5/8" R-stud

Coating: G60
Color coding: White



Web openings (not punch-outs) formed from web every 12 in. with Stamping at bridge every 12 in.

Geometric Properties

Web depth	3.625 in	Weight	0.5591-lb/ft
Flange width	1.625 in	Web opening length	9-13/16-in
Stiffening lip	0.500 in	Web opening width	2.0-in
Design thickness	0.0241 in	Minimum thickness	0.023 in
Yield stress, Fy	50 Ksi		

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.1762-in^2
Moment of inertia (Ix)	0.4276-in^4
Radius of gyration (Rx, r1)	1.4981-in
Moment of inertia (Iy)	0.06642-in^4
Radius of gyration (Ry, r2)	0.5658-in
Max bending moment Ix (Maxo)	3.7438-k-in
Max bending moment Iy (Maxo)	1.5911-k-in
Allowable shear force in web (Vax)	1.1151-k

Tension/Compression Properties

Warping constant (Cw)	[0.0094433-in^6
Distance from shear center to neutral axis (Xo)	0.9696-in
Radii of gyration (Ro)	1.8720-in
Torsional flexural constant (Beta)	FEA-in^4
Compression Pao(max)	2.8787-k
Tension Tao (Ta)	5.3181-k
Unbraced Length (Lu)	full

ASTM & Code Standards:

- ✓ ATI/Intertek CCRR 1073
- ✓ IBC 2024 Compliant
- ✓ AISI S-100 & S220-11
- ✓ ASTM E119, E72, E90
- ✓ ASTM AC86, C645, & C745
- ✓ US and International Patents Issued

Notes:

- Calculated properties are based on Supported specifications.
- Effective properties herein incorporate the increased strength from cold working of the steel while forming. We only use 50Ksi coils.
- Tabulated properties, including torsional properties, are based on the added cross section properties of the web openings and indents as
  R-studs do not have punch-outs.
- Maxo Allowable moment includes cold work of forming
- Maxo Allowable moment is taken as the maximum value based on local or distortional buckling.
- For deflection calculations use the moment of inertia.
- Web opening is every 12 inches and are 9-13/16 inches long with flanges opening out of web. Corners of the web openings are enhanced with flared reliefs.

Sustainability- R-stud sources its steel coils from American Suppliers, such as US Steel and NUCOR's California Steel Industries for rolling in our manufacturing facilities. Our coils contain approximately 34.2% recycled steel. Approximately 19.8% is Post-consumer content, while Pre-consumer content is approximately 14.4%. R-studs are listed as "Red List Free" by the International Living Future Institute. Steel is one of the most sustainable building materials in the world. It is recycled content, recyclable, durable, safe, zinc-coated, dimensionally stable and strong, as well as not susceptible to rot, termites, or mold.

Supported specifications:

- 2016 AISI - ASD, LRFD, and LSD
- 2012 AISI - ASD, LRFD, and LSD
- 2010 AISI - ASD, LRFD, and LSD

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax:

Product Submittal Sheet

Info@rstud.com
877-289-0705
www.rstud.com

SUSTAINABLE FRAMING

- 2007 AISI - ASD, LRFD, and LSD
- 2004 AISI - ASD, LRFD, and LSD

Product category: Drywall Stud
Product name: 362RS162-23

362RS162-23-50Ksi G60 On 16 inch spacing
Non-Composite Limiting Wall Heights

Spacing (inches)	5 psf			7.5 psf			10 psf		
	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
16	20’6”	17’11”	16’1”	16’1”	14’3”	12’11”	14’2”	12’2”	11’3”

Non-Composite Table Notes:

362RS162-23-50Ksi G60 0n 24 inch spacing
Non-Composite Limiting Wall Heights

Spacing (inches)	5 psf			7.5 psf			10 psf		
	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
24	17’11”	15’8”	14’3”	14’0”	12’4”	11’1”	12”7”	10’10”	9’7”

Non-Composite Table Notes:

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax:

Product Submittal Sheet

Info@rstud.com
877-289-0705
www.rstud.com

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: