FRAMING PRODUCT CATALOG

ClarkDietrich®

INTERIOR FRAMING • EXTERIOR FRAMING • FLOOR FRAMING


THE INDUSTRY'S MOST
COMPLETE
PRODUCT LINEUP.
AIMED AT CHANGING THE
BUILDING LANDSCAPE.

Comprehensive is the word. On the following pages, you'll find framing for drywall, curtain wall, doors, windows and floors. Connectors, bridging, bracing and backing. The list of our products goes on, but there's much more to it than that.

We refer to ourselves as ClarkDietrich for a reason. The future of building will be shaped by the inter-relationships of various products and the thinking behind them. Because of this, we create cold-formed steel building products that compose systems—systems backed by intelligent design tools and fully capable engineering services.

This systems approach means our products work better together in achieving strength, fire and sound ratings. It's also an approach that leads to enhanced performance on the job—during installation and long after.

We can reinforce your efforts to design and build more intelligently with a versatile engineering services team and smarter installation and design techniques. Furthermore, we offer the efficiencies of a single supplier with unmatched reach through 13 plants and 4 engineering offices—as well as nationwide product availability.

Regardless of your project's size or complexity, ClarkDietrich has the resources to help you achieve your vision. And this comprehensive catalog is a great start. Here you'll find select details about products in our portfolio, including key advantages and technical information, to guide your specifications.

At the end of the day, a product line is only as strong as the company that stands behind it. You can count on the expertise, service and full support of ClarkDietrich now, and far into the future.

Need help with product selection, ordering, scheduling, delivery, or anything else? Call us at 800-543-7140.

Need Product Submittals? Use SubmittalPro® at clarkdietrich.com.

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SUPPORT AND SERVICES

CLARKDIETRICH ENGINEERING SERVICES

Smarter engineering and technical expertise. It's support that extends beyond the structure itself.

From the initial design phase to jobsite installation, we are all about providing inventive, yet practical and hands-on know-how to help you think outside the box—or to help you just get it done.

ClarkDietrich Engineering Services is a full-service consulting firm that believes strongly in value engineering and customer input. Our engineering fees and lead times are competitive, and our customer service exceeds the industry standard with consistent point-of-contact through our regional project managers.

We offer Building Information Modeling (BIM) services that include specialty engineering collaborative design. We support the BIM movement by offering add-on tools that allow our products, and the rich data attached to them, to quickly be imported into digital designs. Our team is also comprised of LEED®-accredited professionals to consult on sustainable building design.

- Electronically sealed shop drawings and calculations
- Preliminary sizing and pre-bid engineering pricing
- Reference plan on large projects
- Detailed wall sections, full elevation opening design and C-stud truss design

Our technical services team provides immediate response to questions ranging from general installation to detailed specification requirements, and can deliver one-day turnaround on technical sizing. We are experts on industry standards such as AISI and ASTM, and a proud member of SFIA. Our team also supports our online product submittal system, SubmittalPro,® and our design/engineering software is available as a free download from www.clarkdietrich.com.

- Product support and typical member sizing
- Framing detail recommendations
- Compliance and industry standards, such as AISI, ASTM and SFIA
- Engineering software and product submittal support
- LEED requirements support

CLIP EXPRESS℠

Connections you can count on.

We know that having the right products, at the right time, and at the right price, is absolutely essential to getting the job done. ClarkDietrich Clip Express is your single source for the widest and most cost-effective array of rigid, deflection, bridging and general-purpose clips, connectors, supports and framing hardware for commercial and residential cold-formed steel framing.

With Clip Express, you get fully engineered, rigorously tested and precision-formed connectors each and every time. Many of our connectors were developed by, or in conjunction with, framing installers in order to deliver high-performance products for significant installed savings.

While you may find a cheaper price than ClarkDietrich, you won't find a lower overall cost or better value. We offer unmatched reach through numerous plants and engineering offices—and nationwide product availability.

And because staying on schedule is crucial, we ship most orders the same day they are received. We'll get it there when, how and where you need it. Our nationwide manufacturing and service facilities see to that.

- Industry's widest product selection available from one source
- Fast delivery options meet your deadlines
- Backed by the largest cold-formed steel framing and engineering company in the world
- Expert field representatives for comprehensive product, installation and sales training

CLIP EXPRESS

Throughout this catalog, when you see this icon next to a product entry, you know the product is part of our Clip Express program.

CONTACT INFORMATION

Our nationwide presence means we're there for you. On any project.

With 13 manufacturing plants and 4 engineering offices strategically located throughout the U.S., ClarkDietrich is always nearby. You can be assured that your product will be delivered on time, and that you can call on us for support any and every step of the way.

ClarkDietrich Manufacturing and Sales Locations:

CALIFORNIA Riverside
P 951.360.3500

CALIFORNIA Sacramento
P 951.360.3500

CONNECTICUT Bristol
P 866.921.0023

FLORIDA Dade City
P 352.518.4400

FLORIDA Miami
P 305.477.6464

GEORGIA McDonough
P 678.304.5500

ILLINOIS Rochelle
P 800.659.0745

MARYLAND Baltimore
P 410.477.4000

MISSOURI O'Fallon
P 636.300.1411

OHIO Vienna
P 330.372.4014

OHIO Warren-East
P 330.372.5564

TEXAS Dallas
P 214.350.1716

TEXAS Pasadena
P 281.383.1617

Carlsbad, CA
Riverside, CA
Sacramento, CA
Bristol, CT
Dade City, FL
Miami, FL
McDonough, GA
Rochelle, IL

Merrillville, IN
Baltimore, MD
O'Fallon, MO
Vienna, OH
Warren, OH
Dallas, TX
Pasadena, TX
West Chester, OH

• Manufacturing, engineering and technical services
★ Corporate office

ClarkDietrich Engineering Services

Toll-Free Phone: 877.832.3206
Toll-Free Fax: 877.832.3208
Email: engineering@clarkdietrich.com
Technical Services: 888.437.3244

CENTRAL Merrillville, IN
NORTHEAST Bristol, CT
SOUTHEAST McDonough, GA
WEST Carlsbad, CA

HOW TO USE THIS CATALOG

This catalog is designed to help you select the right products or systems for your construction applications. For your convenience, a comprehensive index containing our product and system offering is also located at the back of the catalog. Search by common names and product names to help you quickly find exactly what you're looking for.

Structural properties and load tables are available on our website at clarkdietrich.com.

HOW TO IDENTIFY OUR PRODUCTS

ClarkDietrich has adopted standard nomenclature established by the American Iron and Steel Institute (AISI) for identifying each of its products. Coding of each member consists of four parts, in this order:

- A number which identifies the web depth of the member to two decimal places: 600 = 6.00", 1000 = 10.00", 550 = 5.50", 362 = 3.625", etc.
- A letter that identifies the type of member, such as S = Stud/Joist, T = Track, U = U-channel, and F = Furring channel.
- A number that defines the flange dimension in inches to two decimal places: 162 = 1.625", 200 = 2.00", 125 = 1.25", etc.
- A number following a hyphen that denotes the minimum delivered thickness in mils (33mils = 33/1000 inches which is approximately 0.0329"). Minimum delivered thickness is 95% of design thickness.

NOTE REGARDING PRODUCT SUBSTITUTION

Care should be taken when substituting materials in place of ClarkDietrich building materials. There is a misconception within the construction industry regarding the substitution of one manufacturer's products or materials for those of another manufacturer. The assumption is that all studs of a given size and steel thickness are interchangeable. It may be possible that the substitution can safely be made, but the decision should not be made until the structural properties of the products or materials involved are compared by a qualified engineer.

YIELD STRENGTH (FY/PSI OR KSI)

ClarkDietrich products are manufactured with steel having a yield point of 33ksi for 18 and 20 gauge material. A yield point of 50ksi is standard for 16 gauge and heavier material. KSI = kips/square inch; kip = 1,000 lbs.

PROTECTIVE COATINGS

ClarkDietrich offers a wide variety of protective coatings to meet the specific requirements of a project.

Non-structural products are coated to meet the requirements of AISI S220/ASTM C645, with G40 or a protective coating with an equivalent corrosion resistance. Equivalent coatings meet the metallic equivalency requirement of C645 by outperforming G40 in an ASTM B117 salt spray test. Non-structural products may also be ordered with enhanced coatings, such as CP60 for use in special applications. The buyer is solely responsible to assure that product is ordered to properly satisfy the applicable code or specification.

Structural framing products are available with a variety of protective coatings that meet the CP60 coating protection level requirements of AISI S200, S240 and ASTM C955. These coatings may include G60, A60, AZ50 or GF30, all of which satisfy the above referenced standards. CP90 coatings are an enhanced option that can be requested for highly corrosive environments. ClarkDietrich can supply a specific or enhanced coating to meet specific project requirements when requested. The buyer is solely responsible to assure that product is ordered to properly satisfy the applicable code or specification.

DiamondPlus® High-Performance Coating—the next generation of high-performance, code-compliant steel framing systems. ClarkDietrich offers ProSTUD® with DiamondPlus coating. This corrosion-resistant coating not only meets the performance level of standard G40 steel—it far surpasses it. In fact, in ASTM B117 Salt Spray Testing, samples coated with DiamondPlus didn't climb above 3% surface rust *even after 240 hours of testing.* G40 with an additional passivation coating, variations all commonly known as "chem treat", reached the 10% failure threshold at 192 hours on average. For the highest corrosion resistance, request ProSTUD with DiamondPlus coating.

HOW TO USE THIS CATALOG

STEEL THICKNESS

The steel thickness of a product or component is referenced in terms of decimal or mils. The mil thickness measures the uncoated base steel material, and is a key contributor to the strength of the product.

Note: All products comply with ASTM and AISI standards and federal specifications as shown in the Code Approvals and Performance Standards in the back of this catalog. Minimum thickness is 95% of the design thickness, per AISI code. One mil is equivalent to 1/1000 (0.001) of an inch. So, a 20 gauge stud measuring the minimum uncoated base steel at 0.0296 inches is 30mils thick.

ClarkDietrich ProSTUD® Drywall framing system thickness

Member gauge	Mils	ksi	Design thickness	Min. thickness	Color code
ProSTUD 25	15	50	0.0158	0.0150	None
ProSTUD 20	18	70	0.0190	0.0181	Brown
ProSTUD 30	30	33	0.0312	0.0296	Pink
ProSTUD 33MIL	33	33	0.0346	0.0329	White

ProTRAK 25 and 20 = 50ksi ProTRAK 30mil and 33mil = 33ksi

ClarkDietrich structural thickness identification by color coding

Member mils	Thickness gauge	Design thickness	Min. thickness	Color code
33	20	0.0346"	0.0329"	White
43	18	0.0451"	0.0428"	Yellow
54	16	0.0566"	0.0538"	Green
68	14	0.0713"	0.0677"	Orange
97	12	0.1017"	0.0966"	Red
118	10	0.1242"	0.1180"	Blue

PRODUCT LABELING

Skids are easily identified with master skid labels that display product, mil thickness, size, length, piece count, yield strength and any special skid markings specified at the time of order. Individual inkjet labeling (including company name, product, size, length, mil thickness, coating and yield strength) or embossing is also provided on many of our structural framing members. UPC bar coding is also available for certain products.

STANDARDS & SPECIFICATIONS

All structural properties are developed in accordance with the American Iron and Steel Institute's "Specification for the Design of Cold-Formed Steel Structural Members".

GENERAL NOTES

The data contained in this catalog is intended to be used as a general guideline only and does not replace the judgments and designs of a qualified architect and/or engineer. This catalog does not provide load data necessary for building design. Load capacities, limiting heights, physical and structural properties and span data for ClarkDietrich structural framing can be found at www.clarkdietrich.com.

Product, application renderings and photographs are provided as a tool to show the general intent of the framing or finishing application only. These renderings or photographs may or may not be applicable to a specific project. They do not replace or supersede the architect or engineer of record, ASTM guidelines, national or local building codes or approved industry standards.

ClarkDietrich reserves the right to change or modify the information contained in this catalog without prior notice or obligation. The information in this catalog supersedes all previously published data. Products and systems may be improved and/or changed after this catalog is printed.

PRODUCT AVAILABILITY

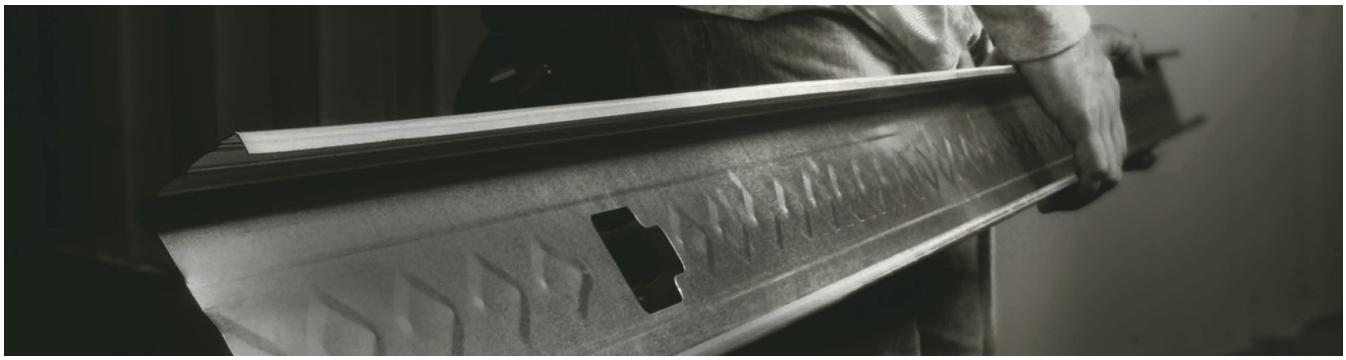
Most products manufactured by ClarkDietrich are readily available in all markets, but there can be exceptions. Please contact your ClarkDietrich Sales Representative to make sure the product you need is available in your market area.

SFIA
STEEL FRAMING INDUSTRY ASSOCIATION

ClarkDietrich is a proud member of the Steel Framing Industry Association (SFIA).

NOTE: This catalog does not provide load data (load capacities, limiting heights, physical and structural properties and span data) necessary for building design. Contact ClarkDietrich at 888-437-3244 for technical assistance.

ProSTUD® DRYWALL FRAMING SYSTEM



Developed, tested, and approved by pros—in the field.
The ProSTUD® Drywall Framing System with Smart Edge™ Technology can be called many things. Strong. Versatile. Fast. And without a doubt—revolutionary. But it was also developed, tested and approved by pros in the field who demanded nothing less than achieving absolute ease of use. Its performance has also been proven by the most extensive laboratory evaluations available.

THE INDUSTRY'S PRODUCT OF CHOICE

Gauge equivalent (EQ) drywall framing must meet the minimum performance requirements of conventional drywall framing as defined by the Steel Framing Industry Association (SFIA) and the Steel Stud Manufacturers Association (SSMA). For interior drywall framing members, bending strength (or allowable moment) is the criteria most important to the strength of a wall or ceiling. ProSTUD employs modern roll-forming and steel-making technology that enhances the shape and strength with greater efficiency. ProSTUD—the product of choice—exceeds the performance of conventional drywall framing for allowable moment and screw connection strength.

LIFE SAFETY

Life Safety is the primary concern and duty of all construction and design professionals. ProSTUD features a number of technological advances to enhance its stiffness and strength, contributing to its allowable moment performance. When it comes to fire-rated systems, ProSTUD is UL-approved for the most common UL design assemblies including V450, U419, V438 and chase wall assemblies.

SOUND PERFORMANCE

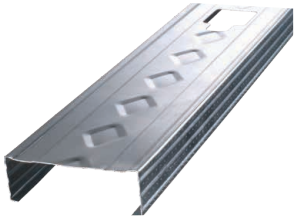
ProSTUD also has exceptional sound performance in over 50 tested sound assemblies—more testing than any other manufacturer in the industry.

ProSTUD Drywall Studs and ProTRAK® Drywall Track were created specifically to work as a system. This means they work better together for you in achieving strength, fire *and* sound ratings. It's also an approach that leads to enhanced performance on the job—during installation and long after.

- High-strength steel combined with low-profile flange stiffening grooves and double offset web planking increases strength and provides greater limiting heights
- Diamond embossed web creates stiffness, reducing flange fade and screw spinout during drywall installation
- Strong, lightweight stud and track cuts and handles easier than conventional flat steel studs
- Flange grooves provide sight line for drywall alignment and aid in positioning screws at drywall joints to maintain the 3/8"edge requirement
- Web and leg enhancements in ProTRAK provide straight and rigid legs, making it the best choice for framing walls, headers, soffits, and bulkheads
- Smart Edge™ Technology is an enhancement for producing easier-to-handle steel that reduces the risk of cuts and scrapes.
- Nationwide availability

ProSTUD® DRYWALL FRAMING SYSTEM

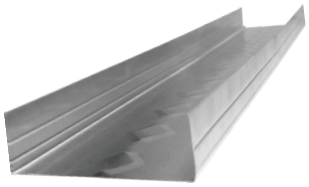
ProSTUD®



Product code	Product name	Thickness			ksi	Web width (in)	Flange (in)
		Gauge	Mils	Design thickness (in)			
PDS	ProSTUD 25	25	15	0.0158	50	1-5/8, 2-1/2, 3-5/8, 4, 6	1-1/4
	ProSTUD 20	20	18	0.0190	70		
	ProSTUD 30MIL	20 DW	30	0.0312	33		
	ProSTUD 33MIL	20 STR	33	0.0346	33		

Coatings: G40 EQ, G40 (CP60 available as special order)
G40 EQ DiamondPlus® available for 15mil and 18mil only.
See other ProSTUD product options at clarkdietrich.com.

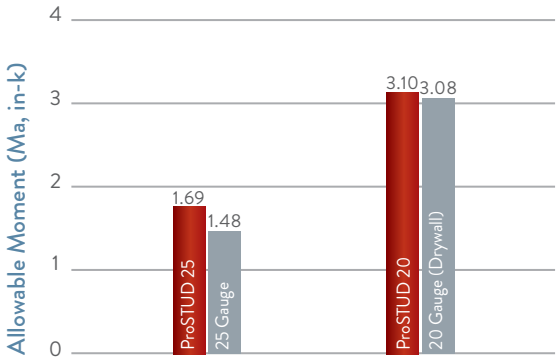
ProTRAK®



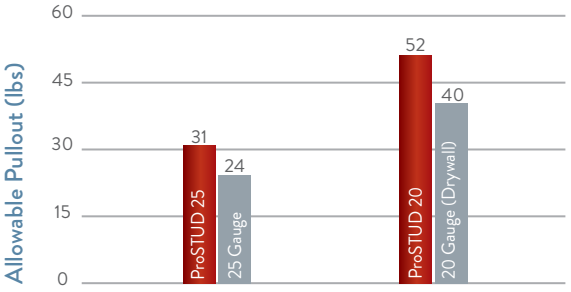
Product code	Product name	Thickness			ksi	Web width (in)	Leg (in)
		Gauge	Mils	Design thickness (in)			
PDT	ProTRAK 25	25	15	0.0158	50	1-5/8, 2-1/2, 3-5/8, 4, 6	1-1/4, 1-1/2, 2, 2-1/2, 3
	ProTRAK 20	20	18	0.0190	50		
	ProTRAK 30MIL	20 DW	30	0.0312	33		
	ProTRAK 33MIL	20 STR	33	0.0346	33		

Coatings: G40 EQ, G40 (CP60 available as special order)
G40 EQ DiamondPlus® available for 15mil and 18mil only.
See other ProSTUD product options at clarkdietrich.com.

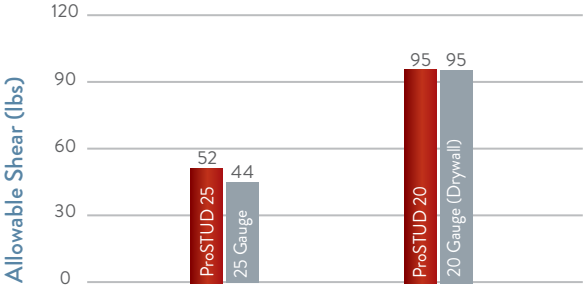
Allowable Bending Capacity, 3-5/8" Stud



#6 Screw Pullout Values



#6 Screw Shear (Bearing) Values



iProSTUD.com

Going mobile? With your smartphone in hand, you can perform a fast, easy search, view ProSTUD limiting heights and even email submittal documents.

INTERIOR 360TRAK™

A high-performance solution for intricate, dramatic architecture.

ClarkDietrich 360TRAK™ flexible framing products are low-cost, high-performance framing solutions for non load-bearing curves, bends, variable radii and arches for dramatic and distinctive ceilings, walls and bulkheads.

Today's customers want elaborate and complex architecture including sweeping bulkheads, curved walls, wavy ceilings, and elliptical curves.

- Easily hand bends or forms to the desired curve or bend with varying radii
- One product for both curves and arches
- Use with wood or steel studs

HINGED TRACK BRACKETS

The 360TRAK provides hinged track brackets with pivot points every 3", allowing for smooth, curved framing assemblies with tight and varying radii. Pre-drilled holes are located on each side of the track brackets for securing the stud to the bracket.

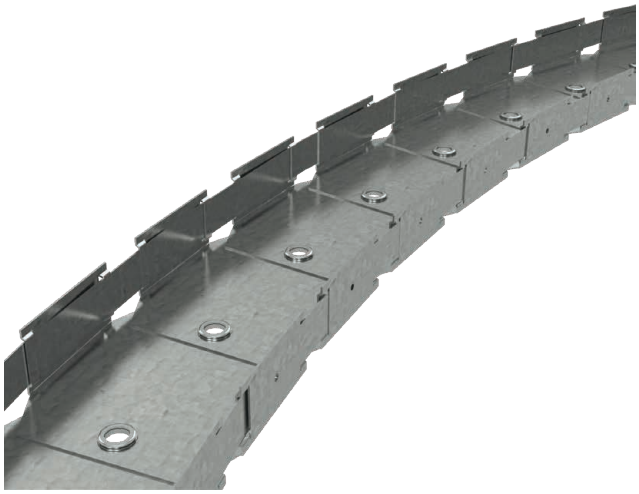
ADJUSTABLE LEG STRAPS

360TRAK flexible framing products feature adjustable leg straps that slide through the pivoting track brackets allowing the track to contour to your desired curve, bend or radius. The adjustable leg straps create curvable flexability, while maintaining or holding its shape during installation.

360TRAK™

Product code	Thickness			Length (ft)	Size (in)
	Gauge (mils)	Design thickness (in)	Yield Strength		
360FT	20ga DW (30mils)	0.0312	33ksi	10'	2-1/2 3-5/8 4 6

NOTE: G40 coating. Use only in nonload-bearing applications.



TRAKLOC® DRYWALL FRAMING SYSTEM

TRAKLOC® Steel Framing is a revolutionary development in cold-formed steel framing systems. Unlike traditional steel studs, which are cut to length for varying jobsite conditions, TRAKLOC allows you to order one length member and "adjust" the length accordingly for variances in the slab. The stud consists of a traditional-style framing member combined with an interlocking adjustable component. The adjustable portion allows for telescopic length adjustments and can accommodate variances in the slab, and minor wall height differences.

TRAKLOC's ICC-ES Report # ESR-1464
is in compliance with:

- 2015 and 2012 International Building Code® (IBC)
- 2016 California Building Code (CBC)
- 2017 Florida Building Code (FBC)

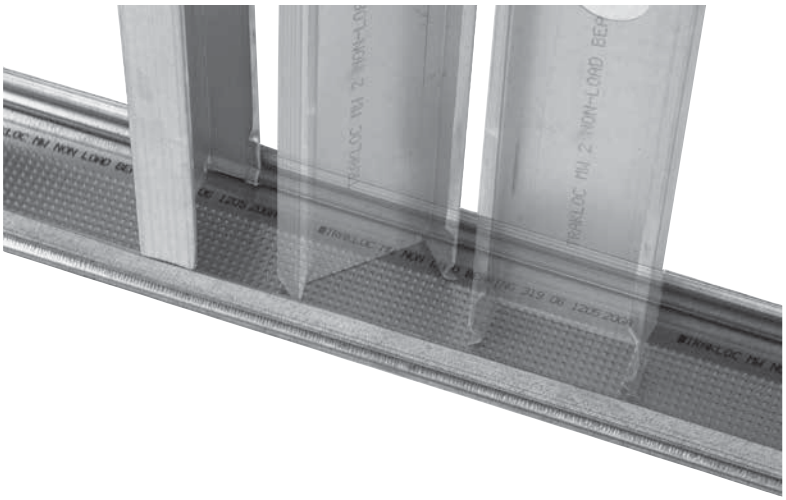
TRAKLOC non-load bearing interior wall system is Intertek Warnock Hersey Design Listed and approved for use in both one and two-hour fire-rated head-of-wall assemblies requiring deflection in accordance with ASTM E119 and ASTM E1966.

FEATURES AND BENEFITS

- Available in 24mil (20EQ) 57ksi, 30mil (20gaDW) 33ksi and 33mil (20ga) 33ksi.
- Available in 2-1/2", 3-5/8", 4" and 6".
- For use in non-load-bearing interior walls.
- Twists and locks into place. Studs can be installed from the ground, greatly reducing time spent climbing ladders and scaffolding.
- Installation of TRAKLOC is ICC-ES approved *without* the use of fasteners to attach the studs to the top or bottom track. ICC-ES Report # ESR-1464.
- Significant productivity gains are possible versus conventional stud and track framing. This results in substantial installed cost savings!
- Safer Framing System™ reduces jobsite hazards. Less time spent climbing scaffolds, ladders, lifts and bending over to install screws results in fewer job related injuries and reduced workers' compensation costs. Less cutting of studs with noisy chop saws.
- Allows for seismic and live-load vertical inter-floor deflection in the stud, not the track. This feature eliminates the need for deflection tracks in fire-rated head-of-wall assemblies.

The TRAKLOC product line provided by ClarkDietrich is licensed under the following U.S. and Foreign Patents:

U.S. Patent No. 7,223,043
U.S. Patent No. 7,594,311
U.S. Patent No. 8,061,099
U.S. Patent No. 8,074,416
Japan Patent No. 4934868
Japan Patent No. 5156889
Australia Patent No. 2006201344
Australia Patent No. 2005332657



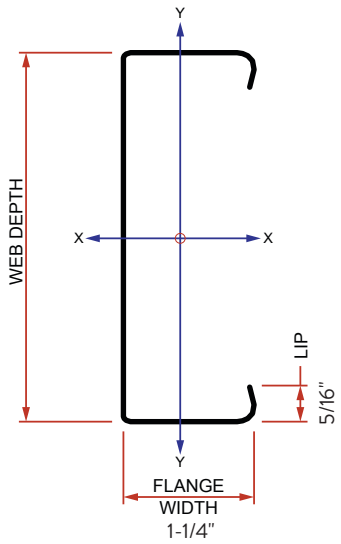
TRAKLOC® STUDS

TRAKLOC studs are available in two configurations:

- TRAKLOC Deflection Stud (TLD)
- TRAKLOC Elevator Stud (TLE)

The Deflection (TLD) and Elevator (TLE) are two-piece components which allow for the telescoping feature unique to TRAKLOC. The two-piece components arrive pre-assembled to help speed assembly. The installer simply inserts the top end of the stud in the top track and then extends the stud (telescoping) to the proper length to engage the bottom end of the stud in the bottom track. The unique swage at the end of each stud allows for quick, tight installation eliminating the need for framing screws or a lift/ladder to install the framing screws.

Storage Requirements: TRAKLOC is a dynamic system consisting of two moving parts. To maintain the telescoping feature of this system, it is important to store TRAKLOC studs indoors, free of excessive dust and airborne particulates.

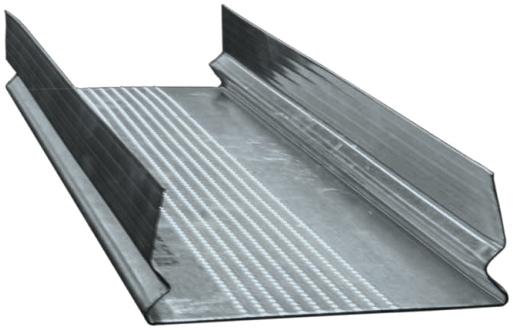


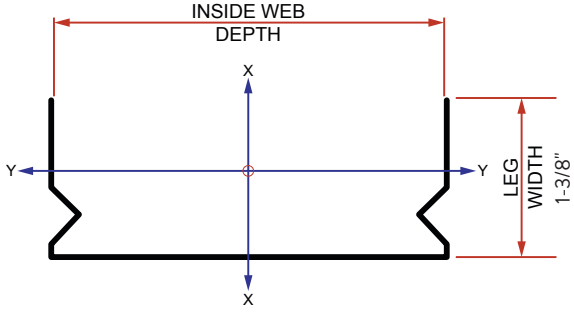
TRAKLOC Drywall Stud

TRAKLOC® TRACK

TRAKLOC track has two unique features. The most obvious feature of the TRAKLOC track is the V-groove rolled into the flanges of the track to match the swaged ends of the TRAKLOC stud. Next, are the dimples pressed into the center of the web. Together, the V-groove and the dimples provide a positive connection between stud and track without the need for mechanical fasteners.

TRAKLOC track standard length is 10'-0".





TRAKLOC Drywall Track

GROMMETS

CLIP EXPRESS

2-Piece Grommet

Snap-In Bushing

Grommets snap easily into stud knockouts and are used to protect electrical wiring and plumbing lines from contacting metal. Grommets are commonly used in construction when metal conduit is not required by building code.

Product code	Size (in)	Description	Pcs./Carton
GROM	3/4	For 1-5/8" and 2-1/2" studs	100
	1-1/2	For 3-1/2" and wider studs	

CORNER ANGLE

Corner Angle (90°)

Splayed Corner Angle (120°/135°)

Corner angle is a multipurpose 90° or 120°/135° galvanized angle used in dozens of framing applications. Some of the most common applications include lapped framing conditions, soffit framing, floor and ceiling runner, chase wall construction and laminated gypsum drywall partitions. Custom sizes, beads, and lengths are available.

Product code	Thickness			Size (in)	Length (ft)
	Gauge	Mils	Design thickness (in)		
CAN 90°	25	18	0.0188	5/8 x 2	10
				7/8 x 1-3/8	
				1-1/2 x 1-1/2	
				2 x 2	
				3 x 3	
CANW 135°	25	18	0.0188	1-1/2 x 1-1/2	10
				2 x 2	
HCN (Hemmed) 90°	25	18	0.0188	2 x 2	10
CAE 90°	20	30	0.0312	5/8 x 2	10
				7/8 x 1-3/8	
				1-1/2 x 1-1/2	
				2 x 2	
				3 x 3	
CAEW 135°	20	30	0.0312	1-1/2 x 1-1/2	10
				2 x 2	

FURRING CHANNEL CLIP

CLIP EXPRESS

In a ceiling assembly, furring channel clips can be used to suspend U-channel from the overhead structure. Drywall furring channel is commonly clipped or wire-tied perpendicular to the underside of the U-channel at appropriate intervals for screw-attaching drywall.

Product code	Pcs./Carton
MFCC	500

Z-FURRING

ClarkDietrich Z-furring is used to furr out interior masonry or poured concrete wall substrates and to support rigid polystyrene, mineral, or fiberglass batt insulation while providing a uniform plane for gypsum panel attachment. Z-furring should be installed vertically with the 3/4" flange against the substrate. The type of fastener and spacing will vary based on application. Install gypsum wallboard parallel or perpendicular to Z-furring.

Product code	Thickness			Size (in)	Length (ft)
	Gauge	Mils	Design thickness (in)		
ZFN1	25	18	0.0188	1	8' 6", 10', 12'
ZFN2				1-1/2	
ZFN3				2	
ZFN4				2-1/2	
ZFE1	20	30	0.0312	1	8' 6", 10', 12'
ZFE2				1-1/2	
ZFE3				2	
ZFE4				2-1/2	

NOTE: Heavier gauge available upon request.

Alternative Product (See page 54):
Z-Girt for Rainscreen Framing (Structural) - Used as a primary rainscreen framing component providing a uniform plane for cladding attachment. Stocked in galvanized steel.

FURRING CHANNEL

7/8" Furring Channel*

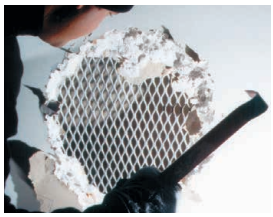
1-1/2" Furring Channel*

ClarkDietrich furring channel is a hat-shaped corrosion-resistant framing component used to furr out masonry walls and ceiling assemblies. In concrete wall applications, furring channel is installed vertically to the wall surface using concrete nails or powder-actuated fasteners. Gypsum panels are then screw-attached to the furring channels. In ceiling applications, furring channels can be attached directly to the underside of the building structure using tie wire, screws or powder-actuated fasteners.

Product code	Thickness			Size (in)	Length (ft)
	Gauge	Mils	Design thickness (in)		
FCN	25	18	0.0188	7/8	10', 12'
FCE	20	30	0.0312		
FCM	18	43	0.0451		
FCM	16	54	0.0566		
FCND	25	18	0.0188	1-1/2	10', 12'
FCED	20	30	0.0312		
FCMD	18	43	0.0451		
FCMD	16	54	0.0566		

NOTE: Hemmed leg furring channel (as shown) is only available in 25 gauge.

BARRIER MESH™ & BARRIER MESH™ CLIP



This tough, rigid heavy-gauge security mesh is used behind common-wall substrates to protect against break-ins and break-outs. Tough to smash or cut, it safeguards walls and ceilings in homes, apartments, offices, stores, vaults, storage areas and correctional facilities. Also fire-resistant, barrier mesh is a cost-effective, time-saving alternative to reinforced concrete or concrete block. Custom designed Barrier Mesh Clip to be used when installing Barrier Mesh into walls and ceilings.

Product code	Thickness		Size (in)	SWD Width (in)	LWD Length (in)	C-C of bond (SWD x LWD)	Percent of open area
	Gauge	Overall thickness (in)					
BM50	18	.038	1/2	96	48	.500" x 1.26"	61
	16	.048				.500" x 1.26"	61
	13	.072				.500" x 1.26"	57
BM75	16	.048	3/4	96	48	.923" x 2.10"	76
	13	.072				.923" x 2.10"	77
	9	.108				.923" x 2.10"	64
BM10	16	.048	1	96	48	1.00" x 2.52"	80
BM15	16	.048	1-1/2	96	48	1.33" x 3.15"	82
	13	.072				1.33" x 3.15"	83
	9	.108				1.33" x 3.15"	76

Product comes standard as carbon steel mesh, complying to ASTM F1267 & ASTM A1011.

Barrier Mesh Clips (BM-Clips):
Dimensions: 2.75" long, 1.50" wide
Packaging: 300 clips/carton, 4 lbs/carton

PONY WALL HEAVY (12GA)

Partial wall framing connection to the floor

The ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track. Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to the Pony Wall Heavy stud member.

INSTALLATION

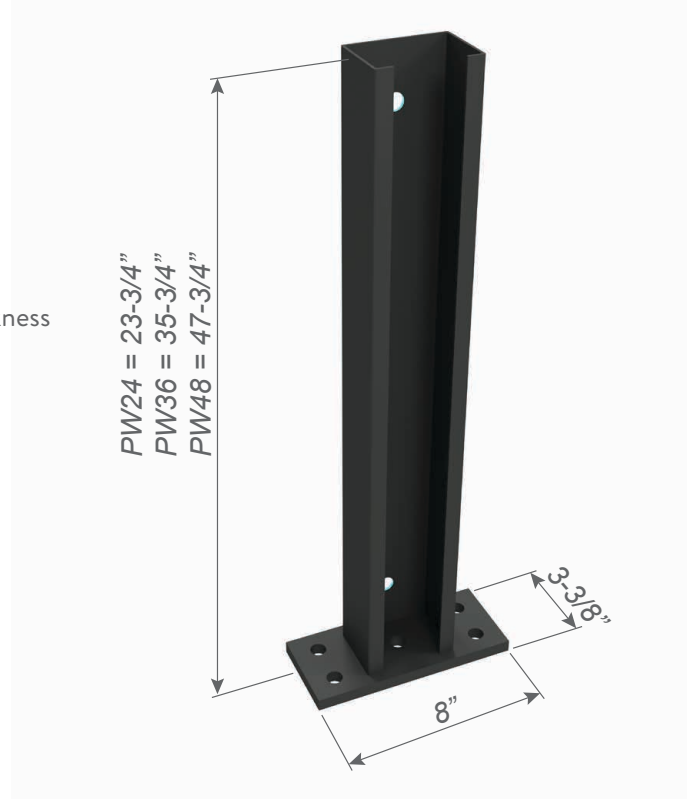
Install the Pony Wall inside the track or directly to the floor structure. Anchor to the floor as designed by EOR. Attach the studs to both flanges of the Pony Wall. A minimum of 3-1/2" stud member can be used.

PRODUCT DIMENSIONS

PW24 = 23-3/4" tall with 3-3/8" wide x 8" long plate
PW36 = 35-3/4" tall with 3-3/8" wide x 8" long plate
PW48 = 47-3/4" tall with 3-3/8" wide x 8" long plate

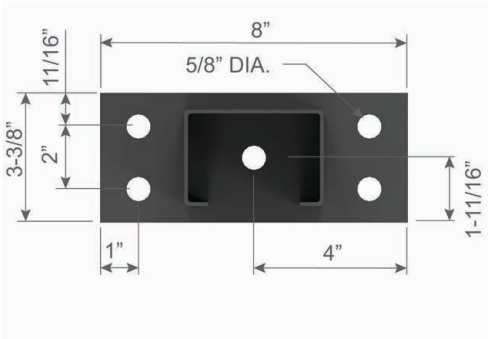
MATERIAL SPECIFICATIONS

Plate Material: ASTM A36 1/2" thick hot rolled steel
Stud Material: ASTM A1011 SS Grade 50, 50ksi (340 MPa)
12ga (97mil), 0.1017" Design thickness, 0.0966" Min. thickness
Packaging: Individually
ASTM: A36, A1011



Pony Wall Heavy (PW)

Product code	Thickness		Size (in)	Packaging
	Mils (Gauge)	Design thickness (in)		
PW24	97mil (12ga)	0.1017	23-3/4"	Individually
PW36			35-3/4"	Individually
PW48			47-3/4"	Individually



Pony Wall Heavy (PW) Allowable Loads

CONCENTRATED LOAD AT FREE END

MATERIAL SPECIFICATION

PONY WALL HEAVY STUD

Material Thickness: 12ga (97mil), 0.1017" design thickness

Material Strength: Structural grade 50, 50ksi minimum yield strength

ASTM: A1011

PONY WALL HEAVY BASE PLATE

Material Thickness: 1/2" minimum thickness

Material Strength: 36ksi minimum yield strength

ASTM: A36

Pony Wall Heavy (PW) Allowable Loads

CONCENTRATED LOAD AT FREE END

Member designation	Pony Wall Length (in)	Max point load @ cantilever end, lbs					Moment (ASD) due to point load, in-lbs				
		L/720	L/360	L/240	L/180	Max	L/720	L/360	L/240	L/180	Max
Pony Wall Heavy	24	165	330	495	661	763	3,964	7,927	11,891	15,854	18,316
	36	73	147	220	294	509	2,642	5,285	7,927	10,569	18,316
	48	41	83	124	165	382	1,982	3,964	5,945	7,927	18,316

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall Heavy member.
3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 Base connection between ClarkDietrich Pony Wall Heavy and support structure are designed by others.
6 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.
7 Listed maximum point load at cantilever end calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.
8 It is the responsibility of the designer to properly detail connections on the contract drawings.

Pony Wall Heavy (PW) Allowable Loads w/Anchors

CONCENTRATED LOAD AT FREE END

Member designation	Pony Wall length, in	Anchors to structure	No. of Anchors	Max point load @ cantilever end, lbs					Allowable base moment, in-lbs				
				L/720	L/360	L/240	L/180	Max	L/720	L/360	L/240	L/180	Max
PW24	24	1/2" ϕ Hilti Kwik Bolt-3 (3-1/2" Nominal Embedment, 3000psi Uncracked concrete)	1	142	142	142	142	142	3,403	3,403	3,403	3,403	3,403
			4	165	330	452	452	452	3,964	7,927	10,840	10,840	10,840
PW36	36		1	73	95	95	95	95	2,642	3,403	3,403	3,403	3,403
			4	73	147	220	294	301	2,642	5,285	7,927	10,569	10,840
PW48	48		1	41	71	71	71	71	1,982	3,403	3,403	3,403	3,403
			4	41	83	124	165	226	1,982	3,964	5,945	7,927	10,840

(1) Anchor to structure

(4) Anchors to structure

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall member.
3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.
6 Above listed capacities w/anchors shall be used only when using 1/2" ϕ Hilti Kwik Bolt-3 anchors to concrete.
7 Other anchors may be used to achieve full Pony Wall Heavy capacity, but must be designed separately.
8 Above listed capacities have not been increased for wind, seismic, or other factors.
9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.
10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.
11 It is the responsibility of the designer to properly detail connections on the contract drawings.

PONY WALL HEAVY (12GA)

Pony Wall Heavy (PW) Allowable Loads

MAXIMUM ALLOWABLE LOADS

MATERIAL SPECIFICATION

PONY WALL HEAVY STUD

Material Thickness: 12ga (97mil), 0.1017" design thickness

Material Strength: Structural grade 50, 50ksi minimum yield strength

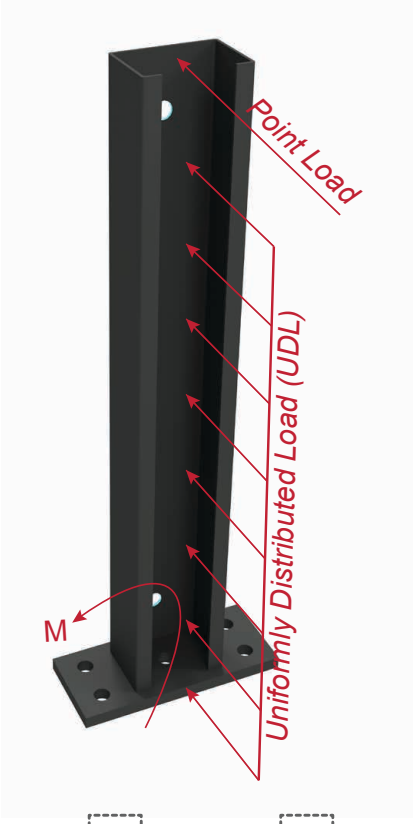
ASTM: A1011

PONY WALL HEAVY BASE PLATE

Material Thickness: 1/2" minimum thickness

Material Strength: 36ksi minimum yield strength

ASTM: A36



Pony Wall Heavy (PW) Allowable Loads

Member designation	Pony Wall Length (in)	Anchors to structure	Strength based capacity (ASD)		
			Allowable moment, in-lbs	Max point load @ cantilever end, lbs	Max uniform live (UDL) load, lbs/ft
Pony Wall	24	Designed by others	18,316	763	763
	36			509	339
	48			382	191

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.

2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall Heavy member.

3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.

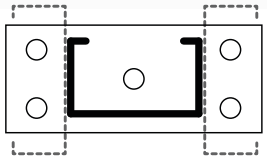
4 Listed allowable loads are based on Allowable Stress Design (ASD).

5 Base connection between ClarkDietrich Pony Wall Heavy and support structure are designed by others.

6 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.

7 Listed maximum point load at cantilever end calculated using maximum allowable moment. Similarly, listed maximum uniformly distributed load calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.

8 It is the responsibility of the designer to properly detail connections on the contract drawings.



Uniformly distributed loads are based on framing members placed on each side of the Pony Wall

Pony Wall Heavy (PW) Allowable Loads w/Anchors

Member designation	Anchors to structure	Strength based capacity (ASD)	
		No. of Anchors to Structure	Allowable base moment, in-lbs
PW24 / PW36 /PW48	1/2" ϕ Hilti Kwik Bolt-3 (3-1/2" Nominal Embedment, 3000psi Uncracked concrete)	1	3,403
		4	10,840

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.

2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall Heavy member.

3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.

4 Listed allowable loads are based on Allowable Stress Design (ASD).

5 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.

6 Above listed capacities w/anchors shall be used only when using 1/2" ϕ Hilti Kwik Bolt-3 anchors to concrete.

7 Other anchors may be used to achieve full Pony Wall Heavy capacity, but must be designed separately.

8 Above listed capacities have not been increased for wind, seismic, or other factors.

9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.

10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.

11 It is the responsibility of the designer to properly detail connections on the contract drawings.

(1) Anchor to structure

(4) Anchors to structure

Pony Wall Heavy (PW) Allowable Loads

UNIFORMLY DISTRIBUTED LOAD

MATERIAL SPECIFICATION

PONY WALL HEAVY STUD

Material Thickness: 12ga (97mil), 0.1017" design thickness

Material Strength: Structural grade 50, 50ksi minimum yield strength

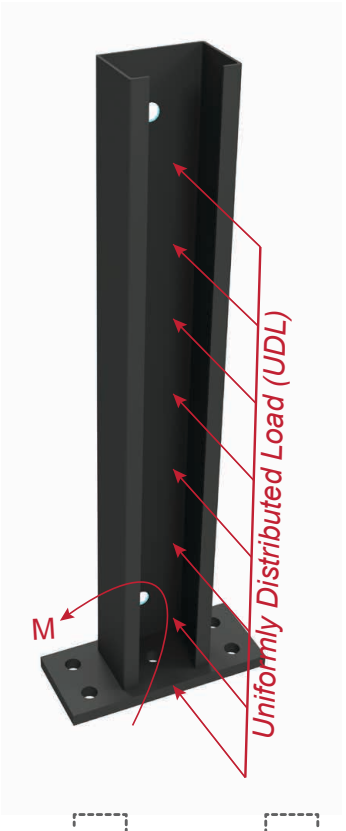
ASTM: A1011

PONY WALL HEAVY BASE PLATE

Material Thickness: 1/2" minimum thickness

Material Strength: 36ksi minimum yield strength

ASTM: A36



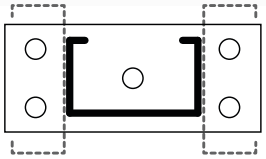
Pony Wall Heavy (PW) Allowable Loads

UNIFORMLY DISTRIBUTED LOAD

Member designation	Pony Wall Length (in)	Uniformly distributed load, lbs/ft					Moment (ASD) due to uniform load, in-lbs				
		L/720	L/360	L/240	L/180	Max	L/720	L/360	L/240	L/180	Max
Pony Wall Heavy	24	220	440	661	763	763	5,285	10,569	15,854	18,316	18,316
	36	65	130	196	261	339	3,523	7,046	10,569	14,093	18,316
	48	28	55	83	110	191	2,642	5,285	7,927	10,569	18,316

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall member.
3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 Base connection between ClarkDietrich Pony Wall Heavy and support structure are designed by others.
6 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.
7 Listed maximum point load at cantilever end calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.
8 It is the responsibility of the designer to properly detail connections on the contract drawings.



Uniformly distributed loads are based on framing members placed on each side of the Pony Wall

Pony Wall Heavy (PW) Allowable Loads w/Anchors

UNIFORMLY DISTRIBUTED LOAD

Member designation	Pony Wall length, in	Anchors to structure	No. of Anchors	Uniformly distributed loads, lbs/ft					Allowable base moment, in-lbs				
				L/720	L/360	L/240	L/180	Max	L/720	L/360	L/240	L/180	Max
PW24	24	1/2" ϕ Hilti Kwik Bolt-3 (3-1/2" Nominal Embedment, 3000psi Uncracked concrete)	1	142	142	142	142	142	3,403	3,403	3,403	3,403	3,403
			4	165	330	452	452	452	3,964	7,927	10,840	10,840	10,840
PW36	36		1	73	95	95	95	95	2,642	3,403	3,403	3,403	3,403
			4	73	147	220	294	301	2,642	5,285	7,927	10,569	10,840
PW48	48		1	41	71	71	71	71	1,982	3,403	3,403	3,403	3,403
			4	41	83	124	165	226	1,982	3,964	5,945	7,927	10,840

(1) Anchor to structure

(4) Anchors to structure

Notes:

1 ClarkDietrich Pony Wall Heavy is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall Heavy member.
3 ClarkDietrich Pony Wall Heavy is used in conjunction with structural or non-structural studs to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 For serviceability/deflection calculations of ClarkDietrich Pony Wall Heavy, use effective moment of inertia = 0.7739 in^4.
6 Above listed capacities w/anchors shall be used only when using 1/2" ϕ Hilti Kwik Bolt-3 anchors to concrete.
7 Other anchors may be used to achieve full Pony Wall capacity, but must be designed separately.
8 Above listed capacities have not been increased for wind, seismic, or other factors.
9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.
10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.
11 It is the responsibility of the designer to properly detail connections on the contract drawings.

PONY WALL LITE (16GA)

Partial wall framing connection to the floor

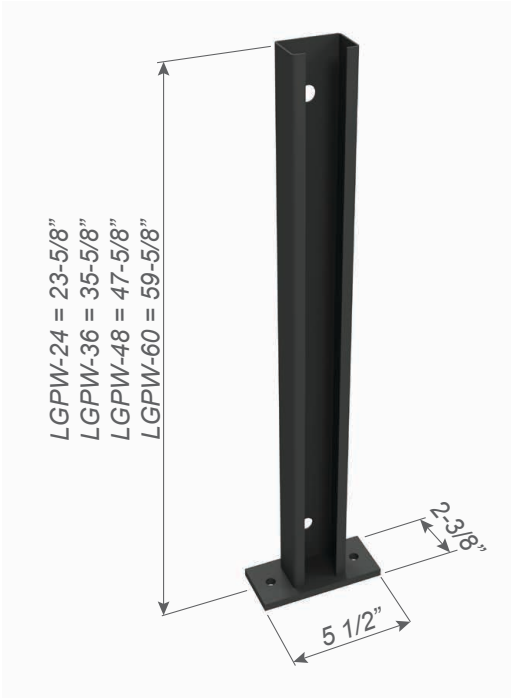
The ClarkDietrich Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track. Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to the Pony Wall Lite stud member.

INSTALLATION

Install the Pony Wall Lite inside the track or directly to the floor structure. Anchor to the floor as designed by EOR. Attach the studs to both flanges of the Pony Wall Lite. A minimum of 2-1/2" stud member can be used.

PRODUCT DIMENSIONS

LGPW24 = 23-5/8" tall with 2-3/8" wide x 5-1/2" long plate
LGPW36 = 35-5/8" tall with 2-3/8" wide x 5-1/2" long plate
LGPW48 = 47-5/8" tall with 2-3/8" wide x 5-1/2" long plate
LGPW60 = 59-5/8" tall with 2-3/8" wide x 5-1/2" long plate

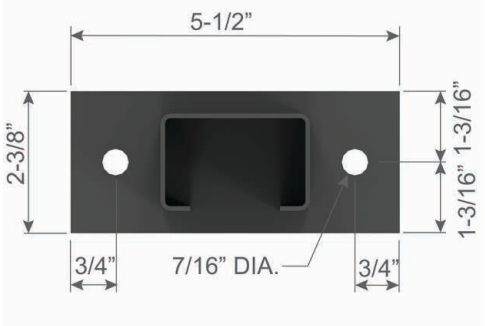


MATERIAL SPECIFICATIONS

Plate Material: ASTM A36 thick hot rolled steel
Stud Material: ASTM A1011 SS Grade 50, 50ksi (340 MPa)
16ga (54mil), 0.0566" Design thickness, 0.0538" Min. thickness
Packaging: Individually
ASTM: A36, A1011

Pony Wall Lite (LGPW)

Product code	Thickness		Size (in)	Packaging
	Mils (Gauge)	Design thickness (in)		
LGPW24	54mil (16ga)	0.0566	23-5/8"	Individually
LGPW36			35-5/8"	
LGPW48			47-5/8"	
LGPW60			59-5/8"	



Pony Wall Lite (LGPW) Allowable Loads

CONCENTRATED LOAD AT FREE END

MATERIAL SPECIFICATION

PONY WALL LITE STUD

Material Thickness: 16ga (54mil), 0.0566" design thickness
Material Strength: Structural grade 50, 50ksi minimum yield strength
ASTM: A1011

PONY WALL LITE BASE PLATE

Material Thickness: 3/8" minimum thickness
Material Strength: 36ksi minimum yield strength
ASTM: A36

Pony Wall Lite (LGPW) Allowable Loads

CONCENTRATED LOAD AT FREE END

Member designation	Pony Wall Length (in)	Max point load @ cantilever end, lbs			Moment (ASD) due to point load, in-lbs		
		L/240	L/180	Max	L/240	L/180	Max
Pony Wall Lite	24	86	115	177	2074	2766	4253
	36	38	51	118	1383	1844	4253
	48	22	29	89	1037	1383	4253
	60	14	18	71	830	1106	4253

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 Base connection between Pony Wall Lite and support structure are designed by others.
6 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in4 (54mil), 0.1626in4 (68mil)
7 Listed maximum point load at cantilever end calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.
8 It is the responsibility of the designer to properly detail connections on the contract drawings.

Pony Wall Lite (LGPW) Allowable Loads w/Anchors

CONCENTRATED LOAD AT FREE END

Member designation	Pony Wall length, in	Anchors to structure	No. of Anchors	Max point load @ cantilever end, lbs			Allowable base moment, in-lbs		
				L/240	L/180	Max	L/240	L/180	Max
LGPW24	24	3/8" ϕ Hilti Kwik Bolt-3 (2-3/8" Nominal Embedment, 3000psi Uncracked concrete)	2	83	83	83	1984	1984	1984
LGPW36	36			38	51	55	1383	1844	1984
LGPW48	48			22	29	41	1037	1383	1984
LGPW60	60			14	18	33	830	1106	1984

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in^4 (54mil), 0.1626in^4 (68mil)
6 Above listed capacities w/anchors shall be used only when using 3/8" ϕ Hilti Kwik Bolt-3 anchors to concrete.
7 Other anchors may be used to achieve full Pony Wall Lite capacity, but must be designed separately.
8 Above listed capacities have not been increased for wind, seismic, or other factors.
9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.
10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.
11 It is the responsibility of the designer to properly detail connections on the contract drawings.

(2) Anchors to structure

PONY WALL LITE (16GA)

Pony Wall Lite (LGPW) Allowable Loads

MAXIMUM ALLOWABLE LOADS

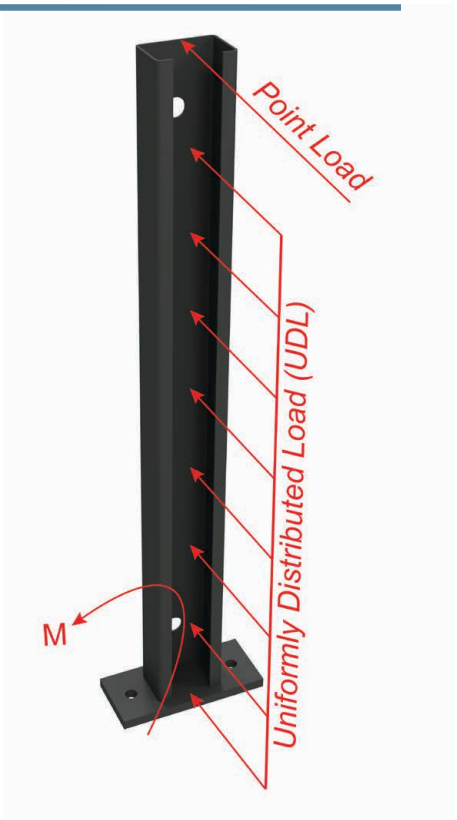
MATERIAL SPECIFICATION

PONY WALL LITE STUD

Material Thickness: 16ga (54mil), 0.0566" design thickness
Material Strength: Structural grade 50, 50ksi minimum yield strength
ASTM: A1011

PONY WALL LITE BASE PLATE

Material Thickness: 3/8" minimum thickness
Material Strength: 36ksi minimum yield strength
ASTM: A36

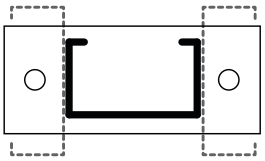


Pony Wall Lite (LGPW) Allowable Loads

Member designation	Pony Wall Length (in)	Anchors to structure	Strength based capacity (ASD)		
			Allowable moment, in-lbs	Max point load @ cantilever end, lbs	Max uniform live (UDL) load, lbs/ft
Pony Wall Lite	24	Designed by others	4253	177	177
	36			118	79
	48			89	44
	60			71	28

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 Base connection between Pony Wall Lite and support structure are designed by others.
6 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in^4 (54mil), 0.1626in^4 (68mil)
7 Listed maximum point load @ cantilever end calculated using maximum allowable moment. Similarly, listed maximum uniformly distributed load calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.
8 It is the responsibility of the designer to properly detail connections on the contract drawings.



Uniformly distributed loads are based on framing members placed on each side of the Pony Wall

Pony Wall Lite (LGPW) Allowable Loads w/Anchors

Member designation	Anchors to structure	Strength based capacity (ASD)	
		No. of Anchors to Structure	Allowable base moment, in-lbs
LGPW24, LGPW36, LGPW48, LGPW60	3/8" ϕ Hilti Kwik Bolt-3 (2-3/8" Nominal Embedment, 3000psi Uncracked concrete)	2	1984

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in^4 (54mil), 0.1626in^4 (68mil)
6 Above listed capacities w/anchors shall be used only when using 3/8" ϕ Hilti Kwik Bolt-3 anchors to concrete.
7 Other anchors may be used to achieve full Pony Wall Lite capacity, but must be designed separately.
8 Above listed capacities have not been increased for wind, seismic, or other factors.
9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.
10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.
11 It is the responsibility of the designer to properly detail connections on the contract drawings.

(2) Anchors to structure

Pony Wall Lite (LGPW) Allowable Loads

UNIFORMLY DISTRIBUTED LOAD

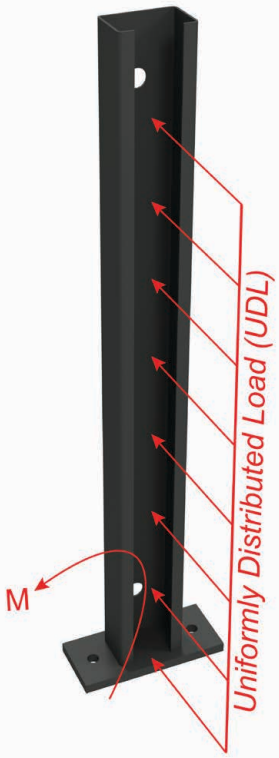
MATERIAL SPECIFICATION

PONY WALL LITE STUD

Material Thickness: 16ga (54mil), 0.0566" design thickness
Material Strength: Structural grade 50, 50ksi minimum yield strength
ASTM: A1011

PONY WALL LITE BASE PLATE

Material Thickness: 3/8" minimum thickness
Material Strength: 36ksi minimum yield strength
ASTM: A36



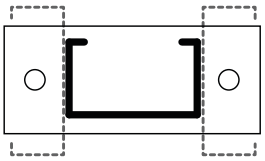
Pony Wall Lite (LGPW) Allowable Loads

UNIFORMLY DISTRIBUTED LOAD

Member designation	Pony Wall Length (in)	Uniformly distributed load, lbs/ft			Moment (ASD) due to uniform load, in-lbs		
		L/240	L/180	Max	L/240	L/180	Max
Pony Wall Lite	24	115	154	177	2766	3688	4253
	36	34	46	79	1844	2458	4253
	48	14	19	44	1383	1844	4253
	60	7	10	28	1106	1475	4253

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through the base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 Base connection between Pony Wall Lite and support structure are designed by others.
6 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in^4 (54mil), 0.1626in^4 (68mil)
7 Listed maximum uniformly distributed load calculated using maximum allowable moment. When both point load and uniform loads are applied, combined loads should be limited to maximum allowable moment.
8 It is the responsibility of the designer to properly detail connections on the contract drawings.



Uniformly distributed loads are based on framing members placed on each side of the Pony Wall

Pony Wall Lite (LGPW) Allowable Loads w/Anchors

UNIFORMLY DISTRIBUTED LOAD

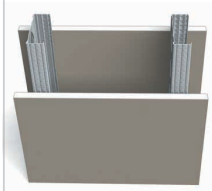
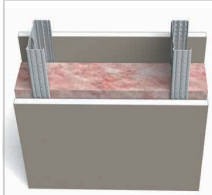
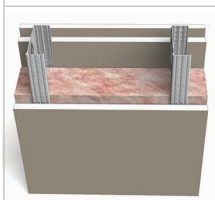
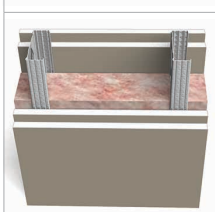
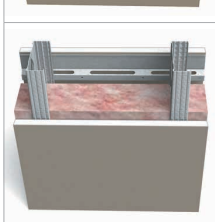
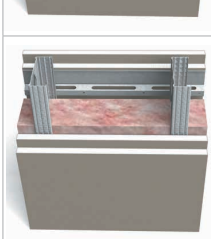
Member designation	Pony Wall length, in	Anchors to structure	No. of Anchors	Uniformly distributed loads, lbs/ft			Allowable base moment, in-lbs		
				L/240	L/180	Max	L/240	L/180	Max
LGPW24	24	3/8" ϕ Hilti Kwik Bolt-3 (2-3/8" Nominal Embedment, 3000psi Uncracked concrete)	2	83	83	83	1984	1984	1984
LGPW36	36			34	37	37	1844	1984	1984
LGPW48	48			14	19	21	1383	1844	1984
LGPW60	60			7	10	13	1106	1475	1984

(2) Anchors to structure

Notes:

1 Pony Wall Lite is intended to support out-of-plane loading of cantilevered partial wall systems that are unsupported at the top track.
2 Out-of-plane loads are transferred to the floor system through base-plate, which is welded to Pony Wall Lite member.
3 Pony Wall Lite may be used in place of standard framing members, or in conjunction with them to frame the wall.
4 Listed allowable loads are based on Allowable Stress Design (ASD).
5 For serviceability/deflection calculations of Pony Wall Lite, use effective moment of inertia = 0.1350 in^4 (54mil), 0.1626in^4 (68mil)
6 Above listed capacities w/anchors shall be used only when using 3/8" ϕ Hilti Kwik Bolt-3 anchors to concrete.
7 Other anchors may be used to achieve full Pony Wall Lite capacity, but must be designed separately.
8 Above listed capacities have not been increased for wind, seismic, or other factors.
9 Hilti is a registered trademark of Hilti Aktiengeseilschaft Corporation.
10 It is the designer's responsibility to check for minimum concrete edge distance and minimum concrete thickness when using anchors.
11 It is the responsibility of the designer to properly detail connections on the contract drawings.

ProSTUD® 3-5/8" SOUND ASSEMBLIES

Partition type	Assembly description		STC Rating / Test Report			
			ProSTUD 25 (15mil)	ProSTUD 20 (18mil)	ProSTUD 30mil	ProSTUD 33mil
	3-5/8" ProSTUD 1 layer 5/8" Type X GWB on each side	@ 24" o.c.	43 TL09-539	40 TL19-091	37 TL20-412	36 TL13-197
	3-5/8" ProSTUD 3-1/2" R-13 unfaced insulation 1 layer 5/8" Type X GWB on each side	@ 24" o.c.	48 TL09-540	47 TL19-094	40 TL20-413	37 TL13-196
	3-5/8" ProSTUD 3-1/2" R-13 unfaced insulation 1 layer 5/8" Type X GWB on one side 2 layers 5/8" Type X GWB on the other side	@ 24" o.c.	49 TL13-167	51 TL19-092	40 TL13-202	42 TL13-195
	3-5/8" ProSTUD 3-1/2" R-13 unfaced insulation 2 layers 5/8" Type X GWB on each side	@ 24" o.c.	54 TL09-538	52 TL19-093	42 TL13-201	45 TL13-194
	3-5/8" ProSTUD 3-1/2" R-13 unfaced insulation RC-Deluxe w/ 1 layer 5/8" Type X GWB on one side 1 layer 5/8" Type X GWB on the other side	@ 24" o.c.	54 TL18-302	53 TL19-097	48 TL20-414	50 TL16-369
	3-5/8" ProSTUD 3-1/2" R-13 unfaced insulation RC-Deluxe w/ 2 layers 5/8" Type X GWB on one side 1 layer 5/8" Type X GWB on the other side	@ 24" o.c.	59 TL09-543	58 TL19-096	55 TL20-415	56 TL16-370
	3-5/8" ProSTUD . 3-1/2" R-13 unfaced insulation RC-Deluxe w/ 2 layers 5/8" Type X GWB on one side 2 layers 5/8" Type X GWB on the other side	@ 24" o.c.	62 TL13-181	60 TL19-095	58 TL20-416	58 TL13-200

Notes:

- Sound assemblies are certified by Western Electro-Acoustic Laboratories.
- NVLAP accredited for ASTM E90 & E413, ISO Certified.
- See STC test reports at www.clarkdietrich.com/ProSTUD for detailed requirements of construction of wall assembly. Contact ClarkDietrich Technical Services at 888-437-3244 for questions about ProSTUD sound assemblies.

Visit itools.clarkdietrich.com for a complete list of sound ratings.

Resilient Channels for Walls and Ceilings

ClarkDietrich resilient channel is one of the most efficient low-cost methods developed to reduce transmission of airborne sound through partition and ceiling assemblies. The resilient channel dampens sound waves effectively, dissipating the energy and reducing sound transmission by suspending gypsum wallboard 1/2" from the stud or joist. Sound absorption can be maximized by utilizing sound attenuation blankets within the wall or floor cavity.

- Lab-certified STC-rated up to 62
- Single- and double-leg channels
- Choose from five channels; RC Deluxe® has extra-wide screw surface for easy attachment
- Available in 12' lengths
- Possible LEED® benefits listed under IEQ-Acoustic Performance due to increased STC values. For more information on our STC assemblies, visit our website at clarkdietrich.com

RC Deluxe® RESILIENT CHANNEL

Made of 22mil steel, RC Deluxe is one of the most effective, low-cost methods of improving sound transmission loss through wood and steel frame partitions. It is the preferred resilient channel in many applications because of its extra-wide 1-1/2" screw flange.

Resilient channel should be installed perpendicular to the framing members with the attachment flange of the RC Deluxe installed along the bottom edge. Channel is prepunched for screw attachments to wood or steel framing members. Nails are not recommended.

Product code	Thickness		Size (in)	Length (ft)
	Mils	Design thickness (in)		
RCSD	22	0.0232	1-1/2	12

Sound assemblies are certified by Western Electro-Acoustic Laboratories.
NVLAP accredited for ASTM E90 & E413, ISO Certified.
Additional test reports available through ClarkDietrich Technical Services.
*Values are the same for R-11 insulation.
**Visit iProSTUD.com for current STC ratings.

RC-1 PRO™ RESILIENT CHANNEL

Made of 25 gauge steel, RC-1 Pro is used as a cross-furring member for resilient attachment of gypsum. Knurled face makes wallboard application easier.

Resilient channel should be installed perpendicular to the framing members with the attachment flange of the RC-1 Pro installed along the bottom edge. Channel is prepunched for screw attachments to wood or steel framing members. Nails are not recommended.

Product code	Thickness		Size (in)	Length (ft)
	Mils	Design thickness (in)		
RCUR	18	0.0188	1-1/4	12

Sound assemblies are certified by Western Electro-Acoustic Laboratories.
NVLAP accredited for ASTM E90 & E413, ISO Certified.
Additional test reports available through ClarkDietrich Technical Services.
*Values are the same for R-11 insulation.
**Contact our technical services department for current STC information.

RC-1 ProPlus™ HEAVY-DUTY RESILIENT CHANNEL

Made of 22mil steel, RC-1 ProPlus is used as a cross-furring member for resilient attachment of gypsum. Knurled face makes wallboard application easier.

RC-1 ProPlus single-leg resilient channel is typically used for applications with multiple layers of gypsum board. Resilient channel should be installed perpendicular to the framing members with the attachment flange of the RC-1 ProPlus installed along the bottom edge. Channel is prepunched for screw attachments to wood or steel framing members. Nails are not recommended.

Product code	Thickness		Size (in)	Length (ft)
	Mils	Design thickness (in)		
RCUR	22	0.0232	1-1/4	12

Sound assemblies are certified by Western Electro-Acoustic Laboratories.
NVLAP accredited for ASTM E90 & E413, ISO Certified.
Additional test reports available through ClarkDietrich Technical Services.
*Values are the same for R-11 insulation.
**Contact our technical services department for current STC information.

RC-2 Pro™ DOUBLE-LEG RESILIENT CHANNEL

Made of 25 gauge steel, RC-2 Pro double-leg resilient channel is typically used for ceiling applications. It is used as a cross-furring member for resilient attachment of gypsum. Knurled face makes wallboard application easier.

Resilient channel should be installed perpendicular to the framing members. Channel is prepunched for screw attachments to wood or steel framing members.

Product code	Thickness		Size (in)	Length (ft)
	Mils	Design thickness (in)		
RCDN	18	0.0188	1-1/4	12

Sound assemblies are certified by Western Electro-Acoustic Laboratories.
NVLAP accredited for ASTM E90 & E413, ISO Certified.
Additional test reports available through ClarkDietrich Technical Services.
*Values are the same for R-11 insulation.
**Contact our technical services department for current STC information.

RC-2 ProPlus™ HEAVY-DUTY DOUBLE-LEG RESILIENT CHANNEL

Made of 22mil steel to provide a stiffer resilient channel, RC-2 ProPlus heavy-duty double-leg resilient channel is typically used for ceiling applications with multiple layers of gypsum board. It is used as a cross-furring member for resilient attachment of gypsum. Knurled face makes wallboard application easier.

Resilient channel should be installed perpendicular to the framing members. Channel is prepunched for screw attachments to wood or steel framing members.

Product code	Thickness		Size (in)	Length (ft)
	Mils	Design thickness (in)		
RCDE	22	0.0232	1-1/4	12

Sound assemblies are certified by Western Electro-Acoustic Laboratories.
NVLAP accredited for ASTM E90 & E413, ISO Certified.
Additional test reports available through ClarkDietrich Technical Services.
*Values are the same for R-11 insulation.
**Contact our technical services department for current STC information.

Installation of Resilient Furring Channel to Steel or Wood Framing Members

Note: These guidelines are for ClarkDietrich's single leg RC Deluxe® and RC-1 Pro, and double leg RC-2 Pro. Details of construction for a specific assembly to achieve the required fire or sound or acoustic rating shall be obtained from fire test reports, sound, or acoustic tests, engineering evaluations, or listings from recognized sound or acoustic laboratories.

Install resilient furring channels at right angles (perpendicular) to the framing members. The resilient furring channel shall be positioned with the slotted hole(s) directly over the framing member. The resilient furring channel shall be attached to the framing member using the screw hole provided in the mounting flange. If no screw hole is provided or located at the framing member, attach through the mounting flange.

No more than two layers of up to 5/8 in. (16mm) gypsum panel products should be installed to resilient furring channel.

Resilient furring channels should not be spaced greater than 24 in. (610mm) on-center when installed on wall framing members. For ceiling framing members spaced 24 in. (610mm) on-center, install resilient furring channels at 16 in. on-center maximum. For ceiling framing members spaced 16 in. (406mm) on-center, install resilient furring channels at 24 in. (610mm) on-center maximum.

In the case of wall framing members, resilient furring channels should be installed with the mounting flange of the resilient furring channel down, except at the floor or starter row where the mounting flange may be installed with the flange up, to accommodate fastening to the framing members. In the case of two-legged resilient furring channel, attach only the lower mounting flange to the wall framing members, except as noted.

Note 1: By keeping the mounting flange down, the weight of the gypsum panel products will pull the resilient channel away from the stud improving the sound rating.

Note 2: Two-legged resilient furring channels may be attached to the wall and ceiling framing members using both legs. Alternately attach the legs of the resilient furring channel to the framing members. This method of attachment may reduce the sound rating performance of the assembly. Verify acceptability with the approving authority prior to installation.

For walls, install the first (lowest) row of resilient furring channel no more than 2 in. (51mm) off of the floor and the last (highest) row of resilient furring channel not more than 6 in. (152mm) from the ceiling. For ceilings, the first row and last row of resilient furring channel shall be located not more than 6 in. (152mm) from the adjacent wall. (Measurements are to the center of the face of the resilient furring channel.)

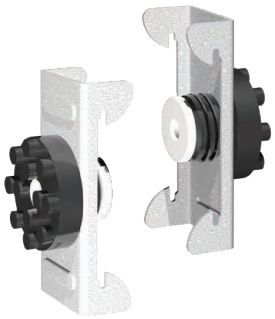
Attach resilient furring channel to framing members with screws only. For steel framing, Type-S x 3/8 in. (9.5mm) pan-head framing screws may be used. For wood framing members, Type-W or Type-S screws (minimum 1-1/4 in. (32mm) long) may be used. It is not recommended that nails be used. Install the screws in the holes provided in the mounting flange (whenever possible).

Splicing of resilient furring channel members shall be done by "nesting" the ends of the resilient furring channel members directly over the framing member and screwing through the mounting flanges into the framing member. (An acceptable alternative would be to butt the resilient furring channel members over the framing member leaving a minimum 1/16 in. (1.6mm) gap between resilient furring channels.)

Gypsum panel products shall be attached to the resilient furring channel using a screw length to ensure that the screw point does not make contact with the framing member. (This will minimize the potential of the screws hitting the wall studs and "short-circuiting" the sound resistance effectiveness of the resilient furring channels.)

CLARKDIETRICH SOUND CLIP

CLIP EXPRESS



The ClarkDietrich Sound Clip is used in conjunction with 18mil (25ga) 7/8" deep drywall furring channel. It is used to fasten gypsum wallboard to various wall and floor-ceiling applications, while simultaneously providing acoustical separation. This significantly reduces the amount of impact and airborne sound filtering from room to room. The ClarkDietrich Sound Clip adds notable STC points to most assemblies, while reducing sound transfer. Please refer to clarkdietrich.com/support-tools/support-docs for STC points.

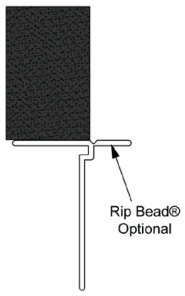
Product code	Gauge (mils)	Dimension	Product weight (lb/piece)	Pcs./Carton
CDSC	18ga (43mil)	3" x 1-1/4" (Clip only)	0.13	100

ASTM, UL and Code Standards can be found at clarkdietrich.com.

UL and UL Classified are registered trademarks of Underwriters Laboratories, Inc.

- Fasteners for Wood:
  #8 x 2-1/2" min size coarse thread screw only-no nails
- Fasteners for Steel:
  #8 x 1-5/8" min size fine thread screws-no nails

BlazeFrame PERIMETER L-BEAD

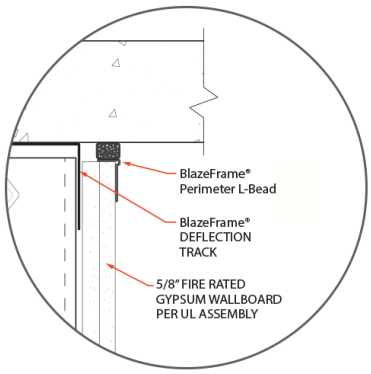


BlazeFrame® Perimeter L-Bead creates an easy attachment that is attained with staples through the bead flange. Multiple perforations along the 1-1/8" flange enhance strong compound adhesion and the raised shoulder provides for a flush finish. Rigid vinyl is rust proof, dent resistant and easy to field cut without distorting profile or leaving sharp edges and burrs.

Composite Firestop/Framing for use in fire-resistant joint systems in or between fire-resistance-rated walls and floor/ceiling or roof/ceiling assemblies. Many assemblies can also be used in smoke barriers with tested air leakage (L ratings) well below the code defined maximum of 5 cfm per linear foot.

Profile	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
Perimeter L-Bead	1/2"	8'	24	40
Perimeter L-Bead with Rip Bead®	1/2"	8	18	30

When used in conjunction with BlazeFrame Fire Stop Deflection Track Systems, BlazeFrame Perimeter L-Bead is UL 2079-fifth edition compliant. Provides joint protection for up to 1" with UL 2079 Class II or III Movement Capabilities at 80% compression.

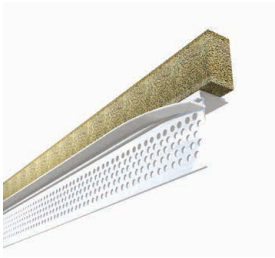


UltraBEAD

Vinyl L-Bead with compressible foam. UltraBEAD, when used in conjunction with UltraTRAK slotted deflection track or Deep Leg deflection tracks, provides joint protection up to ¾" for a 1 or 2 HR concrete deck Head of Wall Joint System at 60% compression.

Product code	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
UltraBEAD	1/2"	8'	24	40

UltraBEAD with Rip Bead®



Vinyl L-Bead with compressible foam. UltraBEAD, when used in conjunction with UltraTRAK slotted deflection track or Deep Leg deflection tracks, provides joint protection up to ¾" for a 1 or 2 HR concrete deck Head of Wall Joint System at 60% compression.

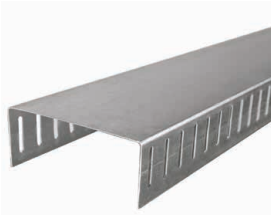
UltraBEAD with Rip Bead® creates a crisp finished edge. Composite Firestop/Framing for use in fire-resistant joint systems in or between fire-resistance-rated walls and floor/ceiling or roof/ceiling assemblies.

Product code	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
UltraBEAD with Rip Bead®	1/2"	8'	18	30

HEAD-OF-WALL (H-O-W) DEFLECTION SYSTEMS

It's a real challenge these days meeting head-of-wall codes for fire stop and life safety issues while maintaining the ability to absorb vertical movement in low-, mid- and high-rise buildings. ClarkDietrich has the head-of-wall deflection products and systems you need for interior wall assemblies subjected to movement—including seismic disturbances.

MaxTrak® SLOTTED DEFLECTION TRACK



MaxTrak® is a head-of-wall deflection track that is used for framing exterior curtain walls and nonload-bearing interior walls where vertical deflection occurs—and serves as a connecting member that isolates the cold-formed steel framing system from the movement of the primary structure.

Product code	Thickness			Web width (in)	Leg length (in)	Standard length (ft)
	Gauge	Mils	Design thickness (in)			
MAX	20	33	0.0346	2-1/2	2-1/2	10
				3-5/8		
				4		
				6		
				8		
MAX	18	43	0.0451	2-1/2	2-1/2	10
				3-5/8		
				4		
				6		
				8		

- Positive attachment with total allowable vertical movement of 1-1/2" (±3/4")
- One-piece system reduces cost of materials and labor
- UL Classified R26034
- Intertek CCRR-0205

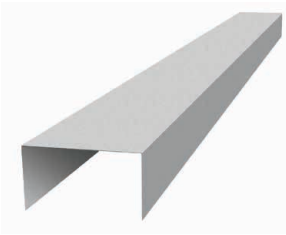
MaxTrak 2D SLOTTED DEFLECTION & DRIFT TRACK

MaxTrak 2D is a head-of-wall deflection track that is used for framing exterior curtain walls and nonload-bearing interior walls where vertical deflection and horizontal drift occurs—and serves as a connecting member that isolates the cold-formed steel framing system from the movement of the primary structure.

Product code	Thickness		Web width (in)	Leg length (in)	Standard length (ft)
	Gauge	Mils			
SLT/H	18	43	2-1/2	2-1/2	10
	16	54			
	14	68			
	18	43	3-5/8	2-1/2	10
	16	54			
	14	68			
	18	43	4	2-1/2	10
	16	54			
	14	68			
	18	43	6	2-1/2	10
	16	54			
	14	68			
	18	43	8	2-1/2	10
	16	54			
	14	68			

- Total allowable vertical movement of 1-1/2" (±3/4")
- Total allowable horizontal movement (drift) of 4" (±2")
- Slots in web (for seismic design) are 4" long, spaced at 8" o.c.

DEEP LEG DEFLECTION TRACK



This traditional assembly accommodates the deflection of floor beams or floor decks at the head-of-wall. The single long leg track assembly requires 1-1/2" cold-rolled channel and 1-1/2" x 1-1/2" 16 gauge EasyClip™ clip angles (U-Series™) installed continuously throughout the upper-most punchouts to align the studs vertically within the plane of the wall. Deflection track details must be designed for the specific conditions of a building to accommodate the required deflection and end reactions of the studs. Deflection tracks cannot be used in axial load-bearing stud conditions or above continuous window spandrels.

Product code	Thickness			Web width (in)	Leg length (in)	Standard length (ft)
	Gauge	Mils	Design thickness (in)			
TSC	20	33	.0346	3-5/8	2	10
	20	33	.0346	6		
	18	43	.0451	3-5/8		
	18	43	.0451	6		
	16	54	.0566	3-5/8		
	16	54	.0566	6		
	14	68	.0713	3-5/8		
	14	68	.0713	6		
	12	97	.1017	3-5/8		
	12	97	.1017	6		
TSE	20	33	.0346	3-5/8	3	10
	20	33	.0346	6		
	18	43	.0451	3-5/8		
	18	43	.0451	6		
	16	54	.0566	3-5/8		
	16	54	.0566	6		
	14	68	.0713	3-5/8		
	14	68	.0713	6		
	12	97	.1017	3-5/8		
	12	97	.1017	6		

NOTE: Custom sizes available upon request.

DoubleTrack™ (OVERTRACK) SYSTEM

ClarkDietrich DoubleTrack™ system is a two-piece assembly that accommodates deflection of exterior curtain walls. A custom-made deep leg outer track is installed to the underside of the floor deck. A wall assembly is constructed on the floor and slid into place, with a "gap" at the top for deflection. DoubleTrack deflection assemblies cannot be used in axial load-bearing stud conditions or above continuous window spandrels.

Product code*	Thickness			Web width (in)	Leg length (in)	Standard length (ft)
	Gauge	Mils	Design thickness (in)			
OTSB	20	30	0.0312	3-3/4	1-1/4	10
				6-1/8		
OTSC	20	30	0.0312	3-3/4	2	10
				6-1/8		
	20	33	0.0346	3-3/4		
				6-1/8		
	18	43	0.0451	3-3/4		
				6-1/8		
	16	54	0.0566	3-7/8		
				6-1/4		
	14	68	0.0713	3-7/8		
				6-1/4		
	12	97	0.1017	3-7/8		
				6-1/4		
OTSE	20	30	0.0312	3-3/4	3	10
				6-1/8		
	20	33	0.0346	3-3/4		
				6-1/8		
	18	43	0.0451	3-3/4		
				6-1/8		
	16	54	0.0566	3-7/8		
				6-1/4		
	14	68	0.0713	3-7/8		
				6-1/4		
	12	97	0.1017	3-7/8		
				6-1/4		

NOTE: Custom sizes available upon request.

Fast Top™ CLIP

CLIP EXPRESS

FTC3

FTC5

ClarkDietrich Fast Top™ clips are used in head-of-wall deflection conditions for in-fill curtain wall assemblies to provide for vertical movement. These clips are used in place of, or in combination with, deflection track. They also make a positive attachment and eliminate the need to install bridging continuously throughout the upper-most punchouts. Attach to the underside of structural members, concrete decks or floor assemblies. Studs must be cut less than full height to enable vertical movement up to 2-1/2" (1-1/4" up and down).

Product code	Thickness			Web width (in)	Leg length (in)	Standard length (ft)	Packaging Pcs./Carton
	Gauge	Mils	Design thickness (in)				
FTC3	14	68	0.0713	4	1-1/2	3-1/4	25
FTC5	14	68	0.0713	4	1-1/2	4-3/4	30
FTC8	14	68	0.0713	4	1-1/2	7-3/4	25
FTC10	14	68	0.0713	4	1-1/2	9-3/4	25
FTC12	14	68	0.0713	4	1-1/2	11-3/4	25

FTC3 includes 55 FastClip™ deflection screws per box.
FTC5, FTC8, FTC10 and FTC12 includes 110 FastClip deflection screws per box.
U.S. Patent No. 6,688,069

YURCLIP

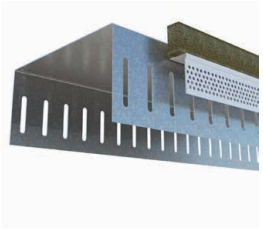
CLIP EXPRESS

The YurClip is used in combination with deep leg deflection track. Saving labor time, they do not require screws in the stud or bridging installed continuously throughout the upper most punchouts. YurClips can be installed on the deflection track or on the stud first. Adjustable for layout errors or changes. Wall studs work in clip either way.

Product code	Stud size (in)	Clip size (in)	Packaging Pcs./Carton
YDC2.5	2-1/2	1-1/4 x 2-1/2 x 1	100
YDC3.625	3-5/8	1-1/4 x 3-5/8 x 1	100

U.S. Patent No. 8,590,257 B2

UltraTRAK SLOTTED SYSTEM

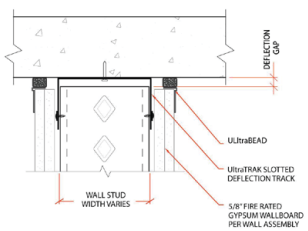


The UltraTRAK slotted system utilizes a UltraTRAK slotted deflection track in conjunction with the UltraBEAD providing a 1 or 2 HR rated assembly for a ¾" max joint and is UL 2079-Fifth Edition compliant. UltraBEAD creates an easy attachment that is attained with staples through the bead flange. Multiple perforations along the 1-1/8" flange enhance strong compound adhesion and the raised shoulder provides for a flush finish.

Profile	Leg length	Slot height	Slot location down from web	Joint protection
UltraTRAK	3.00"	1.50"	1.00"	Up to 3/4"

Deflection track details must be designed for the specific conditions of a building to accommodate the required deflection and end reactions of the studs. Deflection tracks cannot be used in axial load-bearing stud conditions or above continuous window spandrels.

Thicknesses: 30mil (20ga DW), 33mil (20ga STR), 43mil (18ga) and 54mil (16ga)
Web sizes (W): 2-1/2", 3-5/8", 4", 6", and 8"
Vertical slots: 0.22" wide and spaced every 1" o.c.
Track Length: 10'-0"

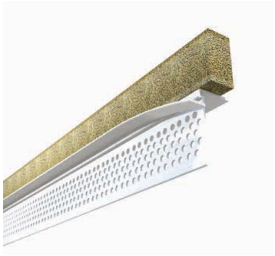


UltraBEAD

Vinyl L-Bead with compressible foam. UltraBEAD, when used in conjunction with UltraTRAK slotted deflection track or Deep Leg deflection tracks, provides joint protection up to ¾" for a 1 or 2 HR concrete deck Head of Wall Joint System at 60% compression.

Product code	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
UltraBEAD	1/2"	8'	24	40

UltraBEAD with Rip Bead®

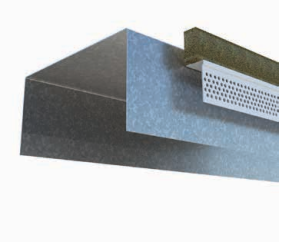


Vinyl L-Bead with compressible foam. UltraBEAD, when used in conjunction with UltraTRAK slotted deflection track or Deep Leg deflection tracks, provides joint protection up to ¾" for a 1 or 2 HR concrete deck Head of Wall Joint System at 60% compression.

UltraBEAD with Rip Bead® creates a crisp finished edge. Composite Firestop/Framing for use in fire-resistant joint systems in or between fire-resistance-rated walls and floor/ceiling or roof/ceiling assemblies.

Product code	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
UltraBEAD with Rip Bead®	1/2"	8'	18	30

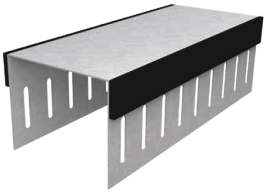
UltraBEAD with DEEP LEG DEFLECTION TRACK



The UltraBEAD with Deep Leg Deflection Track system utilizes a deep leg deflection track in conjunction with the UltraBEAD providing a 1 or 2 HR rated assembly for a ¾" max joint and is UL 2079-Fifth Edition compliant. UltraBEAD creates an easy attachment that is attained with staples through the bead flange. Multiple perforations along the 1-1/8" flange enhance strong compound adhesion and the raised shoulder provides for a flush finish. Rigid vinyl is rust proof, dent resistant and easy to field cut without distorting profile or leaving sharp edges and burrs. Deflection track details must be designed for the specific conditions of a building to accommodate the required deflection and end reactions of the studs. UL Classified and Listed Joint Systems.

Product code	Web Widths (in)	Dimensions
UltraBEAD with Deep Leg Deflection Track	2-1/2", 3-5/8", 4", 6" and 8"	2" legs with an inside depth of the stud

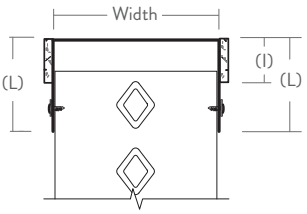
DSL 2 (DEEP LEG—SLOTTED BOTH SIDES)

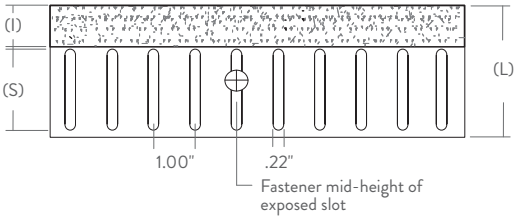


Profile with two slotted legs with fire stop on both sides. Composite fire stop/framing for use in fire-rated wall assemblies. Provides joint protection for up to 1" overall movement with UL 2079 Class II or III Movement Capabilities. Minimum CP60 coating. Legs with slots spaced 1" o.c. for positive attachment of studs per listed assemblies in UL Fire Resistance Directory.

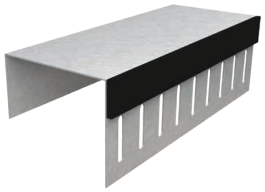
Profile	Leg length (L)	Tape width (I)	Slot height (S)	Joint protection
DSLE 2	2.50"	0.75"	1.50"	0.50"
DSL 2	3.00"	1.00"	1.50"	0.75"
DSLW 2	3.00"	1.25"	1.50"	1.00"

Widths: 2-1/2", 3-5/8", 4", 6" and 8"
Thicknesses: 33mil (20ga), 43mil (18ga) and 54mil (16ga)





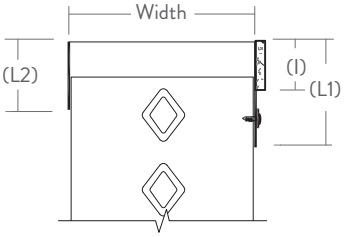
SL 1 (DEEP LEG—SLOTTED ONE SIDE)



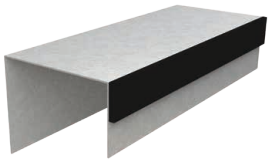
Profile with one slotted leg and one solid leg with fire stop on slotted side. Composite fire stop/framing for use in fire-rated wall assemblies. Provides joint protection for up to 1" overall movement with UL 2079 Class II or III Movement Capabilities. Minimum CP60 coating. One leg with slots spaced 1" o.c. for positive attachment of studs per listed assemblies in UL Fire Resistance Directory.

Profile	Slotted leg length (L1)	Solid leg length (L2)	Tape width (I)	Slot height (S)	Joint protection
SL 1	3.00"	2.00"	1.00"	1.50"	0.75"
SLW 1	3.00"	2.00"	1.25"	1.50"	1.00"

Widths: 2-1/2", 3-5/8", 4", 6" and 8"
Thicknesses: 33mil (20ga), 43mil (18ga) and 54mil (16ga)



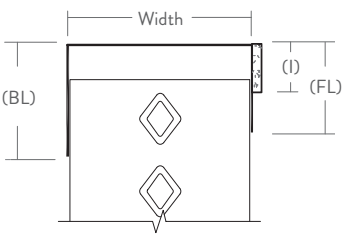
JR (J-RUNNER)



Profile with two solid legs with fire stop on one side. Composite fire stop/framing for use in up to three-hour fire-rated shaft wall assemblies. Provides joint protection for up to 1" overall movement with UL 2079 Class II or III Movement Capabilities. Minimum CP60 coating. One leg (front) having intumescent per listed assemblies in UL Fire Resistance Directory.

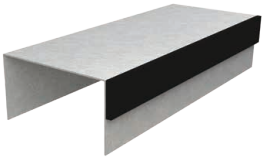
Profile	Front leg length (FL)	Back leg length (BL)	Tape width (I)	Joint protection
JR 1	2.00"	3.00"	1.00"	0.75"
JRW 1	2.00"	3.00"	1.25"	1.00"

Widths: 2-1/2", 4", and 6"
Thicknesses: 33mil (20ga), 43mil (18ga) and 54mil (16ga)

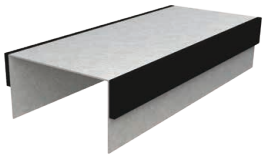


The technical content of this literature is effective 10/01/23 and supersedes all previous information.
Pub. No. CD-Framing 10/23

DL (DEEP LEG—SOLID)



(DL 1 Series)



(DL 2 Series)

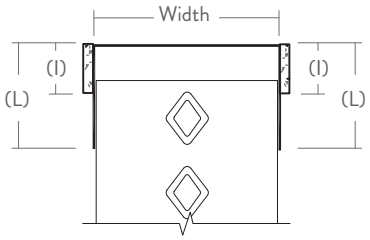
Composite fire stop/framing for use in fire-rated wall assemblies. Provides joint protection for up to 1" overall movement with UL 2079 Class II or III Movement Capabilities. Minimum CP60 coating. Two solid legs supporting "free floating" studs per listed assemblies in UL Fire Resistance Directory.

(DL 1 Series) Profile with two solid legs with fire stop on one side

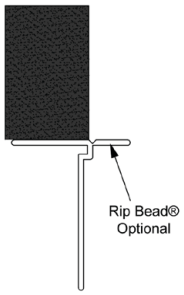
(DL 2 Series) Profile with two solid legs with fire stop on both sides

Profile	Leg length (L)	Tape width (I)	Joint protection
DLE	2.00"	0.75"	0.50"
DL	2.00"	1.00"	0.75"
DLW	2.00"	1.25"	1.00"

Widths: 2-1/2", 3-5/8", 4", 6" and 8"
Thicknesses: 33mil (20ga), 43mil (18ga) and 54mil (16ga) DLE 30mil



BlazeFrame PERIMETER L-BEAD

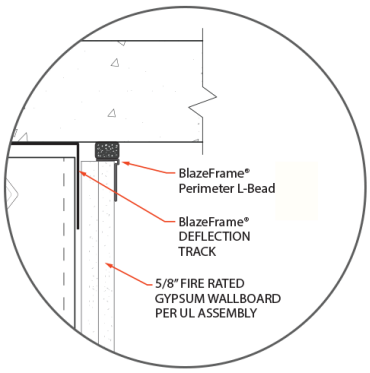


BlazeFrame® Perimeter L-Bead creates an easy attachment that is attained with staples through the bead flange. Multiple perforations along the 1-1/8" flange enhance strong compound adhesion and the raised shoulder provides for a flush finish. Rigid vinyl is rust proof, dent resistant and easy to field cut without distorting profile or leaving sharp edges and burrs.

Composite Firestop/Framing for use in fire-resistant joint systems in or between fire-resistance-rated walls and floor/ceiling or roof/ceiling assemblies. Many assemblies can also be used in smoke barriers with tested air leakage (L ratings) well below the code defined maximum of 5 cfm per linear foot.

Profile	Width (in)	Length (ft)	Wt./Carton (lbs)	Packaging Pcs./Carton
Perimeter L-Bead	1/2"	8'	24	40
Perimeter L-Bead with Rip Bead®	1/2"	8	18	30

When used in conjunction with BlazeFrame Fire Stop Deflection Track Systems, BlazeFrame Perimeter L-Bead is UL 2079-fifth edition compliant. Provides joint protection for up to 1" with UL 2079 Class II or III Movement Capabilities at 80% compression.

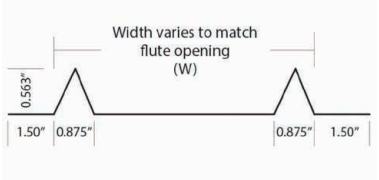


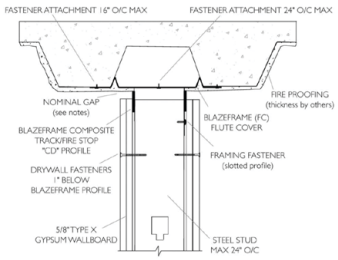
BlazeFrame® FLUTE COVER

Corrugated strap for horizontal use to span fluted areas of unprotected or protected metal decks in up to 2 hr rated assemblies. Profile attached to fluted deck max 16" o.c. on both sides.

Profiles provide a surface area for attachment of head of wall partition track profiles centered or offset underneath and parallel to deck fluted areas per listed assemblies in UL Fire Resistance Directory.

Profile	Gauge	Mils	Design thickness	Width	Length
Flute Cover	20ga DW	33	0.0312"	425 (4-1/4"), 675 (6-3/4"), 725 (7-1/4")	10'





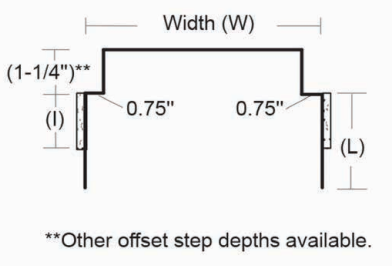
ODL 2 (OFFSET DEEP LEG)

Profile with two solid legs with firestop on both sides. Composite Firestop Deflection Track System with "offset step" accommodates fireproofing up to 1-1/2" thick in head of wall and wall to wall (column) assemblies.

Profile	Lower leg length (L)	Tape width (I)	Joint protection
ODL 2	2.00"	1.00"	0.75"
ODLW 2	2.00"	1.25"	1.00"

When used in conjunction with BlazeFrame Perimeter L-Bead, ODL 2 is UL 2079-fifth edition compliant. Provides joint protection for up to 1" with UL 2079 Class II or III Movement Capabilities.

Widths: 3-5/8", 4", 6", and 8"
Thickness: 33mil (20ga), 43mil (18ga) and 54mil (16ga)



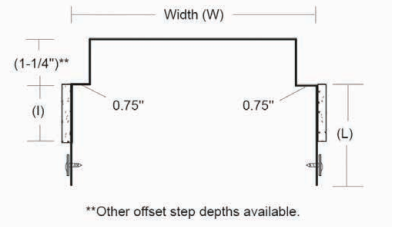
ODSL 2 (OFFSET DEEP LEG)

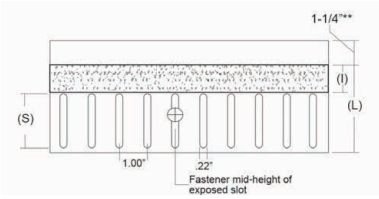
Profile with two slotted lower legs with firestop on both sides. Composite Firestop Deflection Track System with "offset step" accommodates fireproofing up to 1-1/2" thick in head of wall and wall to wall (column) assemblies. Two legs with slots spaced 1" o.c. for positive attachment of studs.

Profile	Leg length (L)	Tape width (I)	Slot height (S)	Joint protection
ODSL 2	3.00"	1.00"	1.50"	0.75"
ODSLW 2	3.00"	1.25"	1.50"	1.00"

When used in conjunction with BlazeFrame Perimeter L-Bead, ODSL 2 is UL 2079-fifth edition compliant. Provides joint protection for up to 1" with UL 2079 Class II or III Movement Capabilities.

Widths: 3-5/8", 4", 6", and 8"
Thickness: 33mil (20ga), 43mil (18ga) and 54mil (16ga)
Vertical slots: 0.22" wide and spaced every 1" o.c.





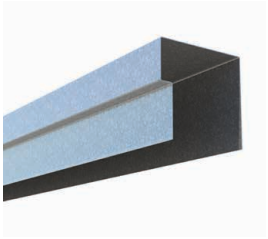
BlazeFrame® RipTRAK™

The BlazeFrame RipTRAK is the only UL tested fire-rated head of wall joint system that offers an alternate listing by eliminating castle cuts and sealant. Meets UL 2079, 5th edition; HW-D-1125 and HW-D-0823. For alternate details, please refer to configuration A, items 3A1 and 3B1. This is good for both roof and wall assemblies.

BlazeFrame RipTRAK is a deflection track with an offset shoulder that represents the thickness of the gypsum board (5/8" or 1-1/4"). A second piece of gypsum board (wall cladding strips) is fit flush to the underside of the slab (w/sealant) or to a fluted deck (without castle cuts & sealant), and is then fastened to the shoulder. This allows the roof/floor assembly and the BlazeFrame RipTRAK to move in relation to the wall assembly. This also allows the wall cladding strips (the rip board) that is attached to the BlazeFrame RipTRAK to slide over the primary wall assembly.

Product code	Thickness				Lengths (ft)	Width (in)
	Gauge	Mils	Design thickness (in)	Min. thickness (in)		
BlazeFrame RipTRAK	20 STR	33	0.0346	0.0329	10	2-1/2, 3-5/8, 4, 6, 8
	18	43	0.0451	0.0428	10	
	16	54	0.0566	0.0538	10	
	14	68	0.0713	0.0677	10	

BlazeFrame® RipTRAK™ SHAFTWALL



BlazeFrame RipTRAK Shaftwall is a ceiling runner with an offset shoulder that represents the thickness of the wall material (5/8" or 1-1/4"). A second piece of board/wall material is fit flush to the fluted deck or slab and is then attached to the shoulder. The BlazeFrame RipTRAK Shaftwall is a UL tested fire-rated head-of-wall joint system for up to 4" Total Deflection Movement.

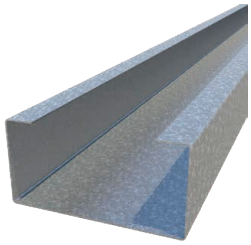
Product code	Thickness				Lengths (ft)	Width (in)
	Gauge	Mils	Design thickness (in)	Min. thickness (in)		
BlazeFrame RipTRAK	20 STR	33	0.0346	0.0329	10	2-1/2, 4, 6
	18	43	0.0451	0.0428	10	
	16	54	0.0566	0.0538	10	
	14	68	0.0713	0.0677	10	

RedHeader PRO™

Rough openings made easy.

Interior and exterior door and window framing is a whole lot easier with RedHeader PRO™. RedHeader PRO can cut your labor time in half. It's designed to replace conventional boxed headers and built-up jambs and provide better results in half the time. One-piece headers and jambs eliminate the additional studs, track and screws required to frame conventional rough openings. Headers and jambs are also pre-cut to specified lengths to eliminate field cutting.

RedHeader PRO HEADER

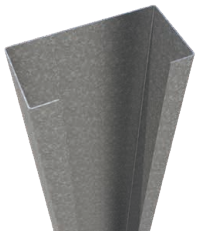


Headers are pre-cut to the length specified on your order. Header lengths should be ordered 1/2" shorter to fit inside clips. All material CP60.

Thickness		Yield Strength (ksi)	Depth (in)	Flange (in)	Return (in)
Mils (Gauge)	Design thickness (in)				
33 (20)	0.0346	33	3-5/8, 4 or 6	3	1
43 (18)	0.0451		3-5/8, 4, 6 or 8		
54 (16)	0.0566	50	3-5/8, 4, 6 or 8	3 or 3-1/2	
68 (14)	0.0713				
97 (12)	0.1017				

Refer to ClarkDietrich.com for additional product information.

RedHeader PRO JAMB



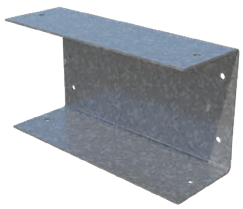
As part of the RedHeader PRO system, the jamb eliminates capped members, allowing drywall screws to drive through only one thickness of material. Plus, the open jamb does not require pre-insulating. All material CP60.

Thickness		Yield Strength (ksi)	Depth (in)	Flange (in)	Return (in)
Mils (Gauge)	Design thickness (in)				
33 (20)	0.0346	33	3-5/8, 4, 6	3	1
43 (18)	0.0451		3-5/8, 4, 6, 8		
54 (16)	0.0566	50	3-5/8, 4, 6, 8	3 or 3-1/2	
68 (14)	0.0713				
97 (12)	0.1017				

Refer to ClarkDietrich.com for additional product information.

HDSC HEADER BRACKET

CLIP EXPRESS



The HDSC header bracket is the perfect complement to the HDS Framing System. This simple, yet innovative header bracket turns a two-person curtain wall header installation into a one-person job. This unique, prepunched clip also eliminates surface head fastener buildup that can create finishing challenges.

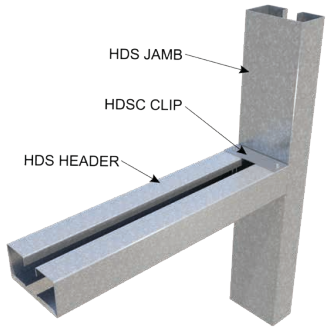
Thickness		Yield Strength (ksi)	Size (in)
Mils (Gauge)	Design thickness (in)		
33 (20)	0.0346	33	3-1/2 x 3-1/16 x 2 3-1/2 x 3-9/16 x 2
			3-7/8 x 3-1/16 x 2 3-7/8 x 3-9/16 x 2
			5-7/8 x 3-1/16 x 2 5-7/8 x 3-9/16 x 2
			7-7/8 x 3-1/16 x 2 7-7/8 x 3-9/16 x 2
68 (14)	0.0713	50	3-1/2 x 3-1/16 x 2 3-1/2 x 3-9/16 x 2
			3-7/8 x 3-1/16 x 2 3-7/8 x 3-9/16 x 2
			5-7/8 x 3-1/16 x 2 5-7/8 x 3-9/16 x 2
			7-7/8 x 3-1/16 x 2 7-7/8 x 3-9/16 x 2
97 (12)	0.1017	50	3-1/2 x 3-1/16 x 2 3-1/2 x 3-9/16 x 2
			3-7/8 x 3-1/16 x 2 3-7/8 x 3-9/16 x 2
			5-7/8 x 3-1/16 x 2 5-7/8 x 3-9/16 x 2
			7-7/8 x 3-1/16 x 2 7-7/8 x 3-9/16 x 2

Refer to ClarkDietrich.com for additional product information.

HEAVY-DUTY STUD (HDS®) FRAMING SYSTEM

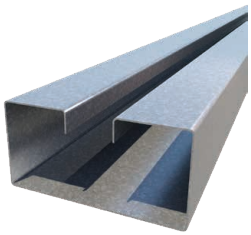
Ultimate load capacity for headers and jambs.

The ClarkDietrich HDS® Framing System provides outstanding bending strength in two directions and superior axial strength. Plus, it reduces material, labor costs and installation time by up to 50%. The superior strength and carrying capacity of the HDS means higher performance with fewer members, like eliminating box beam headers, nesting track and stud for posts and jambs. It also means improved finish quality by eliminating excessive material and screw head buildup around doors and windows. The HDSC header bracket is a unique, prepunched clip that turns a two-person curtain wall header installation into a one-person job.



- Use for curtain wall headers, jambs and sills; drywall headers and jambs; load-bearing jambs, and more.
- Openings up to 20' wide
- Eliminates multi-member built-up truss chords and webs
- Improves drywall finishing around doors and windows

HDS HEADER



This HDS header stud is precut to the length specified length on your order. The system provides cost-effective, member-reducing framing solutions. Header lengths should be ordered 1/2" shorter to fit inside clips. All material CP60.

Thickness		Yield Strength (ksi)	Depth (in)	Flange (in)	Return (in)
Mils (Gauge)	Design thickness (in)				
33 (20), 43 (18)	0.0346, 0.0451	33	3-5/8, 4	3	1-1/16
			6, 8	3	2-1/4
54 (16), 68 (14), 97 (12)	0.0566, 0.0713, 0.1017	50	3-5/8, 4	3	1-1/16
			6, 8	3	2-1/4

Refer to ClarkDietrich.com for additional product information.

HDS JAMB

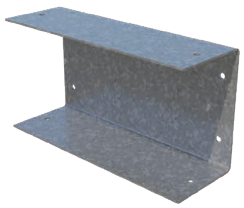
As part of the HDS Framing System, the jamb stud eliminates capped members, allowing drywall screws to drive through only one thickness of material. All material is CP60.

Thickness		Yield Strength (ksi)	Depth (in)	Flange (in)	Return (in)
Mils (Gauge)	Design thickness (in)				
33 (20), 43 (18)	0.0346, 0.0451	33	3-5/8, 4	3	1-1/16
			6, 8	3	2-1/4
54 (16), 68 (14), 97 (12)	0.0566, 0.0713, 0.1017	50	3-5/8, 4	3	1-1/16
			6, 8	3	2-1/4

Refer to ClarkDietrich.com for additional product information.

HDSC HEADER BRACKET

CLIP EXPRESS



The HDSC header bracket is the perfect complement to the HDS Framing System. This simple, yet innovative header bracket turns a two-person curtain wall header installation into a one-person job. This unique, prepunched clip also eliminates surface head fastener buildup that can create finishing challenges.

Thickness		Yield Strength (ksi)	Size (in)
Mils (Gauge)	Design thickness (in)		
33 (20)	0.0346	33	3-1/2 x 3-1/16 x 2
			3-7/8 x 3-1/16 x 2
			5-7/8 x 3-1/16 x 2
			7-7/8 x 3-1/16 x 2
68 (14)	0.0713	50	3-1/2 x 3-1/16 x 2
			3-7/8 x 3-1/16 x 2
			5-7/8 x 3-1/16 x 2
			7-7/8 x 3-1/16 x 2
97 (12)	0.1017	50	3-1/2 x 3-1/16 x 2
			3-7/8 x 3-1/16 x 2
			5-7/8 x 3-1/16 x 2
			7-7/8 x 3-1/16 x 2

Refer to ClarkDietrich.com for additional product information.

L-HEADER

ClarkDietrich L-headers are prefabricated, cold-formed 90° L-sections that are used in load-bearing wall framing. They slide easily into place and eliminate the labor-intensive process of built-up field-assembled headers. Install as single, one header one side, or double, two headers, one on both sides.

Product code	Thickness			Leg length (in)
	Gauge	Mils	Design thickness (in)	
LHDR	18	43	0.0451	1-1/2 x 6
	16	54	0.0566	
	14	68	0.0713	
	18	43	0.0451	1-1/2 x 8
	16	54	0.0566	
	14	68	0.0713	
	18	43	0.0451	1-1/2 x 10
	16	54	0.0566	
	14	68	0.0713	

NOTE: Custom lengths available upon request.

UNIVERSAL HEADER HANGER (H-SERIES)

The H-Series™ Universal Header Hanger is used to connect box headers to jambs or beams to columns and transfer large vertical loads.

This universal hanger is designed so one part can be used for either side of the connection. The hanger also features a support tab for proper alignment and easy installation. The hanger is also prepunched with a series of round, square and triangle holes to ensure proper fastener placement for specified loads.

Product code	Thickness			Clip size (in)
	Gauge	Mils	Design thickness (in)	
H436	18	43	0.0451	6 x 8-1/2
H546	16	54	0.0566	6 x 8-1/2
H686	14	68	0.0713	6 x 8-1/2

HEADER CRIPPLE STUD CLIP

Used with RedHeader PRO™ or HDS® Framing System, it eliminates the header track material and is a more economical alternative.

Extra long return legs on RedHeader PRO and HDS allows for ease of attachment, Top of header is open, allowing for easy install of the insulation. No need to "pre-insulate" headers prior to installation.

Product code	Thickness			Clip size (in)	For header size	Clip size
	Gauge	Mils	Design thickness (in)			
RCSC-54	16	54	0.0566	1-1/2 x 1-1/2 x 3-3/8	3-5/8" Web	400
				1-1/2 x 1-1/2 x 3-3/4	4" Web	200
				1-1/2 x 1-1/2 x 5-3/4	6" Web	100
				1-1/2 x 1-1/2 x 7-3/4	8" Web	100
RCSC-68	14	68	0.0713	1-1/2 x 1-1/2 x 3-3/8	3-5/8" Web	200
				1-1/2 x 1-1/2 x 3-3/4	4" Web	200
				1-1/2 x 1-1/2 x 5-3/4	6" Web	100
				1-1/2 x 1-1/2 x 7-3/4	8" Web	100

Spazzer® 9200 SPACER AND BRIDGING BAR

CLIP EXPRESS

The TradeReady® Spazzer® 9200 bar is a pre-notched, 20 gauge, galvanized steel spacer and bridging bar. It facilitates rapid erection of studs into a rigid, accurately laid out gridwork that has excellent resistance to stud rotation and displacement. Hanging drywall is also faster and easier because the Spazzer 9200 bar eliminates the bow that often occurs in tall interior studs.

Product code	Thickness			Size (in)	Packaging	
	Gauge	Mils	Design thickness (in)		Pcs./Carton	Pcs./Skid
SPZD	20	33	0.0346	7/8 x 7/8 x 50	25	1350

- Eliminates stud spacing layout at deck
- Improves drywall installation speed
- Automatically positions and rigidly holds studs on 16" or 24" centers without fasteners
- Eliminates clip angles and the labor required to install them

U-CHANNEL

ClarkDietrich U-Channel or Cold Rolled Channel (CRC), attached to the studs with clips or weld, are one of the most common bridging methods used to provide resistance to stud rotation and minor axis bending under wind and axial loads. 1-1/2" U-Channel is passed through the stud knockout and secured with ClarkDietrich's FastBridge Clip, SwiftClip™ (L-Series) or EasyClip™ (U-Series™) Clip Angles and screws. Lateral bracing is typically installed at a maximum of 48" O.C. Consult ClarkDietrich's Technical Services for proper spacing. Welding U-Channel to the stud is acceptable but should not be used in studs wider than 6".

Product code	Member	Thickness			Size (in)
		Gauge	Mils	Design thickness (in)	
CHN1	075U50-54	16	54	0.0566	3/4
CHN2	150U50-54	16	54	0.0566	1-1/2

NOTE: Available in 10', 16' and 20' lengths.

Caution:

- Clip Angles must be used with screws to brace cold-formed framing properly. U-Channel does not provide proper bracing if it is not adequately attached to the framing member.
- Extreme care should be taken in the quality of the weld. If the weld burns through or does not penetrate, the U-channel will not be effective.

SwiftClip™ LS-Series™ SUPPORT CLIP

CLIP EXPRESS

SwiftClip LS-Series™ support clips are used in multiple construction projects, specifically in conjunction with studs and track. The L-shaped clips fit between the stud flanges, so that shorter length clips do not need to be ordered. These labor time-savers include prepunched holes for quicker screw attachments, and are punched to accommodate for U-channel lateral bracing connections.

Product code	Thickness			Size (in)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
LS543	16	54	0.0566	1-1/2 x 1-1/2 x 3-1/4	300
LS545				1-1/2 x 1-1/2 x 5-1/2	200
LS547				1-1/2 x 1-1/2 x 7-1/4	150
LS549				1-1/2 x 1-1/2 x 9-1/4	100
LS541				1-1/2 x 1-1/2 x 11-1/4	100
LS683	14	68	0.0713	1-1/2 x 1-1/2 x 3-1/4	300
LS685				1-1/2 x 1-1/2 x 5-1/2	200
LS687				1-1/2 x 1-1/2 x 7-1/4	100
LS689				1-1/2 x 1-1/2 x 9-1/4	100
LS681				1-1/2 x 1-1/2 x 11-1/4	50
LS973	12	97	0.1017	1-1/2 x 1-1/2 x 3-1/4	200
LS975				1-1/2 x 1-1/2 x 5-1/2	100
LS977				1-1/2 x 1-1/2 x 7-1/4	100
LS979				1-1/2 x 1-1/2 x 9-1/4	50
LS971				1-1/2 x 1-1/2 x 11-1/4	50

FastBridge™ CLIP

CLIP EXPRESS

The ClarkDietrich FastBridge™ Clip is used to secure 1-1/2" U-channel (or Cold Rolled Channel-(CRC)) to structural wall studs when used in load-bearing or curtain wall applications. The wall stud friction fit design allows for as little as one screw for the connection to the U-channel. Do not use in studs over 8" wide.

Product code	Thickness			Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)	
FB33	20 STR	33	0.0346	200
FB43	18	43	0.0451	200
FB68	14	68	0.0713	200

CC33 3/4" CHANNEL CLIP

CLIP EXPRESS

Used to secure 3/4" U-Channel or Cold Rolled Channel (CRC) to non-structural wall studs. The wall stud friction fit design allows for as little as one screw for the connection to the U-Channel.

Product code	Thickness			Weight/Piece (lbs.)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
CC33	20	33	0.0346	0.12	200

BRIDGING TERMINATION CLIP

CLIP EXPRESS

Used to secure U-Channel or Cold Rolled Channel (CRC) to structural wall studs when used in load-bearing or curtain wall applications. The unique design allows for quicker installation in end-of-wall conditions.

Product code	Stud size	Thickness				Packaging pcs./bucket
		Gauge	Mils	Design thickness (in)	Min. thickness (in)	
BTC3-43	3-5/8"	18	43	0.0451	0.0428	100
BTC3-54		16	54	0.0566	0.0538	100
BTC3-68		14	68	0.0713	0.0677	100
BTC4-43	4"	18	43	0.0451	0.0428	100
BTC4-54		16	54	0.0566	0.0538	100
BTC4-68		14	68	0.0713	0.0677	100
BTC6-43	6"	18	43	0.0451	0.0428	50
BTC6-54		16	54	0.0566	0.0538	50
BTC6-68		14	68	0.0713	0.0677	50

EasyClip™ U-Series™ CLIP ANGLE

CLIP EXPRESS

ClarkDietrich EasyClip U-Series clip angles are used to secure U-channel to wall studs for lateral bridging or for miscellaneous rigid connections. U-channel is passed through the stud knockout and an EasyClip U-Series clip is screw-attached or welded to provide a rigid connection. These clips are prepunched for faster, more accurate fastener placement. Do not use in bridging applications when the stud width exceeds 6".

Product code	Thickness			Size (in)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
U543	16	54	0.0566	1-1/2 x 1-1/2 x 3-3/8	400
U545				1-1/2 x 1-1/2 x 5-3/4	200
U547				1-1/2 x 1-1/2 x 7-3/4	100
U549				1-1/2 x 1-1/2 x 9-3/4	100
U683	14	68	0.0713	1-1/2 x 1-1/2 x 3-3/8	200
U685				1-1/2 x 1-1/2 x 5-3/4	170
U687				1-1/2 x 1-1/2 x 7-3/4	100
U689				1-1/2 x 1-1/2 x 9-3/4	100
U973	12	97	0.1017	1-1/2 x 1-1/2 x 3-3/8	200
U975				1-1/2 x 1-1/2 x 5-3/4	130
U977				1-1/2 x 1-1/2 x 7-3/4	100
U979				1-1/2 x 1-1/2 x 9-3/4	80

EasyClip™ X-Series™ CLIP ANGLE

CLIP EXPRESS

ClarkDietrich EasyClip X-Series™ clip angles are used to secure U-channel to wall studs for lateral bridging. U-Channel is passed through the stud knockout and an EasyClip X-Series clip is screw-attached or welded to provide a rigid connection. X-Series clip angles and U-channel should not be used in lateral bridging when stud width exceeds 6".

Product code	Thickness			Size (in)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
X543	16	54	0.0566	2 x 2 x 3-3/8	200
X545				2 x 2 x 5-3/4	170
X547				2 x 2 x 7-3/4	100
X549				2 x 2 x 9-3/4	100
X683	14	68	0.0713	2 x 2 x 3-3/8	200
X685				2 x 2 x 5-3/4	100
X687				2 x 2 x 7-3/4	100
X689				2 x 2 x 9-3/4	80
X973	12	97	0.1017	2 x 2 x 3-3/8	100
X975				2 x 2 x 5-3/4	100
X977				2 x 2 x 7-3/4	60
X979				2 x 2 x 9-3/4	60

Danback® WOOD BACKING PLATE

CLIP EXPRESS

Just snap, flex and screw. It's that fast.

Danback® is a heavy-duty, flexible wood backing system used to support cabinets, shelves, handrails, wall-mounted sinks and counters, and all other wall-mounted fixtures. Danback provides superior connection shear and pullout strength to support and meet even some of the heaviest loading conditions. The patented hinge design actually flexes around the stud and snaps into place for a perfect fit—every time.

Product code	Width (in)	Length (in)	Packaging Pcs./Skid
D16F*	5-1/8	48	250
D24F*			
D16C**			
D24C**			

- Reduces steel stud backing labor costs by up 75%
- Available for 16" and 24" o.c. framing
- Eliminates cutting, notching, ripping and routing
- Made with Dricon® fire-retardant treated wood
- Complies with all national building codes

Dricon® is a registered trademark of Arch Wood Protection, Inc.
Danback® is a registered trademark of Daniel W. Tollenaar.
U.S. Patent No. 6,705,056 of Daniel W. Tollenaar.
*F = fire-treated plywood. D16 = 16" o.c. spacing. D24 = 24" o.c. spacing. Trimmables available for off-module spacing in bulk quantity.
**FSC-certified lumber available upon request, which can contribute to LEED® points on your project. Contact ClarkDietrich LEED professionals at 888-437-3244 for more information. FSC chain-of-custody # BV-COC-008121.

FastBack® BACKING CLIP

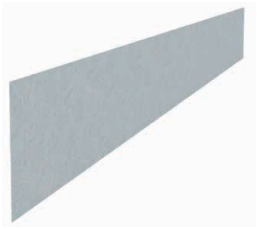
CLIP EXPRESS

The FastBack® backing system features a universal design that works with studs in either direction—concealing fasteners on the face of the product. The system creates an interlocked design between the stud and track for baseboard backing installations; and a cutaway design allows backing and bracing to be installed all the way to the floor.

Product code	Width (in)	Length (in)	Packaging Pcs./Bucket
FBBC	1-1/4	5-1/8	100
FBBC	1-1/4	10-1/4	

U.S. Patent No. 7,882,676 is owned by Jeffery Thomas Ellis.

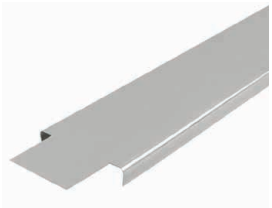
BACKING PLATE



ClarkDietrich backing plate is a general multipurpose flat stock that is used for backer plate to support shelves, cabinets, fixtures or handrails when applied to metal framing. **Backing plate should not be used as tension strapping or cross bracing**. Commercial Strapping should be used in those applications.

Product code	Thickness			Size (in)	Length (ft)
	Gauge	Mils	Design thickness (in)		
BPN	25	18	0.0188	2	10
				3	
				4	
				6	
				8	
				10	
				12	
BPE	20	30	0.0312	2	10
				3	
				4	
				6	
				8	
				10	
				12	

Katz™ BLOCKING

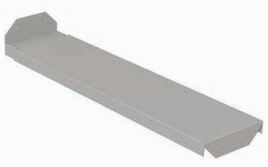


Katz™ bridging maintains accurate member spacing to prevent bowing or flexing of nonload-bearing framing. It can also be used as backing between studs in areas where cabinets or fixtures are to be attached. Use standard 24" o.c. frame spacing.

Product code	Thickness			Size (in)	Length (in)
	Gauge	Mils	Design thickness (in)		
KATZ	25	18	0.0188	3-5/8 x 1	16
					24

NOTE: 16" available by special order.

BLAZEFRAME® SHIELD



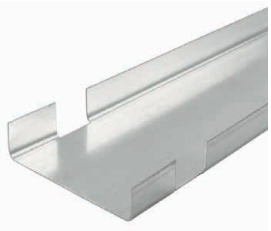
BlazeFrame Shield is specifically designed to meet the requirement of horizontal fire blocking inside the wall system and between floors levels. Pre-notched for use on structural studs.

Product code	Thickness			Width (in)	Horizontal Leg (in)
	Gauge	Mils	Design thickness (in)		
BlazeFrame Shield	20 STR	33	0.0346	3-5/8", 4" or 6"	1"
	18	43	0.0451		
	16	54	0.0566		

Lengths: for 16" o.c. and 24" o.c. stud spacing.

Connection Tabs: Top: 2", Bottom: 1-1/2"

NOTCHED TRACK



Notched track is used for bracing and bridging of joists and exterior walls. It's also ideal for use in hospitals and schools as mechanical backing to support equipment.

Product code	Thickness			Width (in)	Leg (in)
	Gauge	Mils	Design thickness (in)		
NOTC	18	43	0.0451	4	1, 1-1/4, 1-1/2
				6	
	16	54	0.0566	4	
				6	

Spazzer® 5400

CLIP EXPRESS

ClarkDietrich TradeReady® Spazzer® 5400 spacer bar is a galvanized steel spacer and bridging bar, engineered to facilitate the rapid erection of exterior curtain wall framing, load-bearing walls and high interior partitions constructed of structural studs. Proprietary prepunched slots provide excellent torsional and lateral stud restraint.

Product code	Thickness			Size (in)	Pcs./Carton	Pcs./Skid
	Gauge	Mils	Design thickness (in)			
SPZS-54	16	54	0.0566	1-1/4 x 1-1/4 x 50	20	680
SPZS-43	18	43	0.0451	1-1/4 x 1-1/4 x 50	20	680

- Fast, easy and efficient
- Reduces labor up to 40%
- Eliminates clip angles, bridging clips and welding
- Pre-notched at 12", 16" and 24" intervals so no layout is required

U.S. Patent No. 6,708,460 and other patents pending.

Spazzer BAR FLY CLIP

CLIP EXPRESS

The Spazzer fly clip is a secure, fast and efficient way to finish a wall section. This prepunched clip eliminates the need for cutting and bending when using the Spazzer 5400 spacer bar.

Product code	Size (in)	Packaging Pcs./Carton
SFLY	1 x 1-1/4 x 1	100

Spazzer Bar Guard™

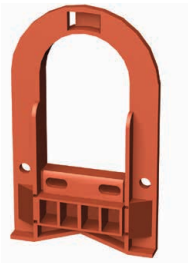
CLIP EXPRESS

Used to secure the Spazzer 5400 spacer bar when used in load-bearing applications.

Product code	Size (in)	Packaging Pcs./Carton
SPBG	3-1/4 x 1-5/8	100

Spazzer SNAP-IN GROMMET

CLIP EXPRESS



Used to secure the Spazzer 5400 spacer bar when used in curtain wall applications.

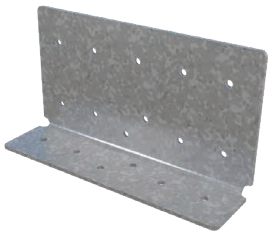
Product code	Size (in)	Packaging Pcs./Carton
SPGR	1-1/2 x 4	100

The technical content of this literature is effective 10/01/23 and supersedes all previous information.

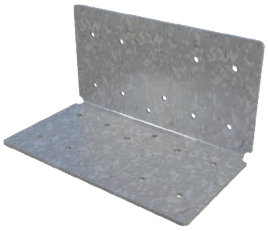
SwiftClip™ L-Series™ SUPPORT CLIP

CLIP EXPRESS

LS-Series Support Clip



LE-Series Support Clip



LA-Series Support Clip

SwiftClip™ L-Series™ support clips are used in multiple construction projects, specifically in conjunction with structural studs and track. The L-shaped clips fit between the stud flanges, so that shorter length clips do not need to be ordered. These labor time-savers include prepunched holes for quicker screw attachments, and are punched to accommodate for CRC lateral bracing connections.

Product code	Thickness			Size (in)	Common application	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)			
LS543	16	54	0.0566	1-1/2 x 1-1/2 x 3-1/4	CRC/Openings	300
LS683	14	68	0.0713		Openings	300
LS973	12	97	0.1017		Openings	200
LS545	16	54	0.0566	1-1/2 x 1-1/2 x 5-1/2	CRC/Openings/Joists	200
LS685	14	68	0.0713		Openings/Joists	200
LS975	12	97	0.1017		Openings/Joists	100
LS547	16	54	0.0566	1-1/2 x 1-1/2 x 7-1/4	CRC/Openings/Joists	150
LS687	14	68	0.0713		Openings/Joists	100
LS977	12	97	0.1017		Openings/Joists	100
LS549	16	54	0.0566	1-1/2 x 1-1/2 x 9-1/4	Joists	100
LS689	14	68	0.0713		Joists	100
LS979	12	97	0.1017		Joists	50
LS541	16	54	0.0566	1-1/2 x 1-1/2 x 11-1/4	Joists	100
LS681	14	68	0.0713		Joists	50
LS971	12	97	0.1017		Joists	50
LS5413	16	54	0.0566	1-1/2 x 1-1/2 x 13-1/4	Joists	50
LS6813	14	68	0.0713		Joists	50
LS9713	12	97	0.1017		Joists	25
LE543	16	54	0.0566	1-1/2 x 3 x 3-1/4	Fixed/Joists/Trusses	100
LE683	14	68	0.0713		Fixed/Joists/Trusses	100
LE973	12	97	0.1017		Fixed/Joists/Trusses	50
LE545	16	54	0.0566	1-1/2 x 3 x 5-1/2	Fixed/Joists/Trusses	100
LE685	14	68	0.0713		Fixed/Joists/Trusses	100
LE975	12	97	0.1017		Fixed/Joists/Trusses	50
LE547	16	54	0.0566	1-1/2 x 3 x 7-1/4	Fixed/Joists/Trusses	100
LE687	14	68	0.0713		Fixed/Joists/Trusses	50
LE977	12	97	0.1017		Fixed/Joists/Trusses	50
LA543	16	54	0.0566	3 x 3 x 3-1/4	Joists/Trusses	100
LA683	14	68	0.0713		Joists/Trusses	100
LA973	12	97	0.1017		Joists/Trusses	50
LA545	16	54	0.0566	3 x 3 x 5-1/2	Joists/Trusses	100
LA685	14	68	0.0713		Joists/Trusses	50
LA975	12	97	0.1017		Joists/Trusses	50
LA547	16	54	0.0566	3 x 3 x 7-1/4	Joists/Trusses	50
LA687	14	68	0.0713		Joists/Trusses	50
LA977	12	97	0.1017		Joists/Trusses	50

FLAT STRAPPING

CLIP EXPRESS

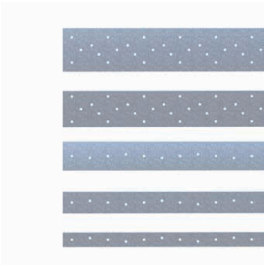
Properly spaced horizontal steel bracing provides resistance to stud rotation and minor axis buckling under wind and axial loads. Block and strapping is typically used when wall studs exceed 6". Field cut, blocking is used if knockouts do not align. It's also used as bridging when framing members are unpunched.

Product code	Thickness			Size Available		Length (ft)
	Gauge	Mils	Design thickness (in)	Min. width (in)	Max. width (in)	
DTN3	20	33	0.0346	2	12	10
	18	43	0.0451			
DTN5	16	54	0.0566	2	12	10
	14	68	0.0713			
	12	97	0.1017			

DTN3 has a yield strength of 33,000psi.
DTN5 has a yield strength of 50,000psi.

COMMERCIAL STRAPPING

CLIP EXPRESS



Coil strapping is made in a variety of widths, each with a unique layout of prepunched holes for a variety of fastening options to meet different application requirements.

Product code	Thickness		Size Available	
	Gauge	Mils	Width	Coil length
CS1-250-33	20	33	1"	250'
CS1-250-43	18	43	1"	250'
CS1.5-200-33	20	33	1.5"	200'
CS1.5-200-43	18	43	1.5"	200'
CS2-150-33	20	33	2"	150'
CS2-150-43	18	43	2"	150'
CS2.5-150-33	20	33	2.5"	150'
CS2.5-100-43	18	43	2.5"	100'
CS3-100-33	20	33	3"	100'
CS3-100-43	18	43	3"	100'

BACKER BAR

The ClarkDietrich Backer Bar was specifically designed to meet the demand for the attachment of multiple items and heavier items to interior partitions. Provides superior connection shear and pullout strength for handrails, shelves and other wall fixtures. Designed, tested and patented by Bailey®. Manufactured and distributed in the USA by ClarkDietrich®.

Product code	Thickness				Lengths (in)	Leg (in)	Width (in)
	Gauge	Mils	Design thickness (in)	Min. thickness (in)			
BB12	20	33	0.0346	0.0329	12	1-1/4	5
BB16					16		
BB24					24		

ClarkDietrich SHAFTWALL SYSTEM

Tested, approved assemblies with unprecedented flexibility. What makes the ClarkDietrich shaftwall construction system unique is that it has been tested with almost every gypsum board and shaftliner manufacturer in the country. Other systems are only tested with one type of gypsum board and shaftliner. Unlike competing systems, the ClarkDietrich C-T stud and J-tabbed track system provide maximum flexibility, allowing you to choose from a variety of board manufacturers. This unprecedented flexibility means quick availability of product at economical costs.

Shaftwall System consists of 1" shaftliner panels supported by 2-1/2", 4" or 6" C-T studs and faced on one side with varying layers of fire code board.

Stairwall Systems are designed to enclose stairwalls, and are finished on both sides with varying layers of fire code board.

LIFE SAFETY & FIRE-RESISTANT PROTECTION

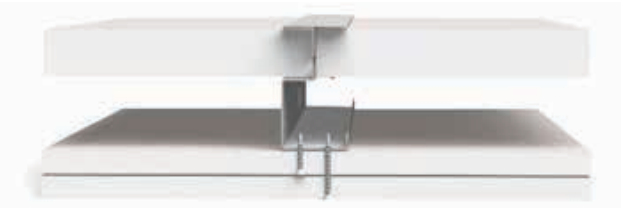
Shaftwall systems are nonload-bearing, fire-rated wall assemblies that provide critical, life safety, fire-resistant protection for elevator shafts, stairwells, vertical chases and mechanical enclosures. Shaftwalls in elevators and stairwells provide the only means of evacuation from the building in an emergency—making them one of the most important wall assemblies in a building. Vertical chases and mechanical enclosures keep vital communication, power, water, fresh air and exhaust systems intact when a fire occurs.

CONSTRUCTION METHODS

Cavity shaftwalls are constructed utilizing one of two methods: masonry/CMU or cold-formed steel and gypsum. Gypsum drywall shaftwall construction has become the preferred and most widely used shaftwall assembly. These shaftwalls are lightweight, install faster, and provide lower in-place costs. They also significantly reduce structural framing and foundation costs, and are easy, quick and clean to install.

Masonry shaftwalls in high-rise buildings historically weigh between 20 and 45 lbs. per square foot, compared to gypsum assemblies that weigh between 10 and 13 lbs. per square foot. In addition to substantial weight reduction, gypsum shaftwall assemblies can be installed from the exterior of the shaft at each floor, eliminating the need for scaffolding.

Stairwall



Shaftwall

C-T SHAFTWALL/STAIRWELL STUD

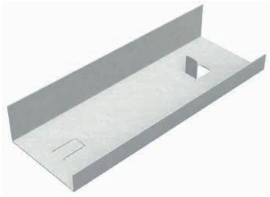
Engineered to maintain shaftwall integrity, ClarkDietrich C-T cavity shaftwall studs are punched with 1" circular knockouts at 12" o.c. for easy installation of conduit or other mechanical service lines.

Independent laboratory tests have demonstrated that the slotting in the web improves resistance to thermal and noise transmissions effectively.

Product code	Thickness			Stud depth (in)
	Gauge	Mils	Design thickness (in)	
250CT-22	25	22	0.0231	2-1/2
250CT-33	20	33	0.0346	
250CT-43	18	43	0.0451	
400CT-22	25	22	0.0231	4
400CT-33	20	33	0.0346	
400CT-43	18	43	0.0451	
600CT-33	20	33	0.0346	6
600CT-43	18	43	0.0451	

NOTE: 18ga only available in select markets and for interior systems only.

J-TABBED TRACK/J-RUNNER



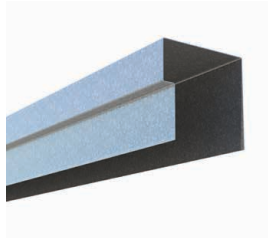
ClarkDietrich J-tabbed track is used at the floor and ceiling in shaftwall assemblies. C-T studs and gypsum shaftliner panels are friction fit between the top and bottom J-tabbed track. J-tabbed tracks have unequal legs with the longer leg (available in 2-1/4" and 3") installed against the shaft. The leg provides a backstop for easy installation of the shaftliner. Three-inch leg track is typically used as jamb struts around closure details, including duct and door openings, abutments and intersections.

ClarkDietrich J-tabbed track is punched with fold-up tabs every 12," permitting faster, more efficient installation.

Product code	Thickness			Size	
	Gauge	Mils	Design thickness (in)	Width (in)	Leg (in)
250JR-22	25	22	0.0230	2-1/2	2-1/4
250JR3-22					3
400JR-22				4	2-1/4
400JR3-22					3
250JR-33	20	33	0.0346	2-1/2	2-1/4
250JR3-33					3
400JR-33				4	2-1/4
400JR3-33					3
600JR-33				6	2-1/4
600JR3-33					3
250JR-43	18	43	0.0451	2-1/2	2-1/4
250JR3-43					3
400JR-43				4	2-1/4
400JR3-43					3
600JR-43				6	2-1/4
600JR3-43					3

*2 designates 2-1/4" leg; 3 designates 3" leg
PEI Evaluation Report AER-12061
NOTE: 18ga only available in select markets and for interior systems only.

BlazeFrame® RipTRAK™ SHAFTWALL



BlazeFrame RipTRAK Shaftwall is a ceiling runner with an offset shoulder that represents the thickness of the wall material (5/8" or 1-1/4"). A second piece of board/wall material is fit flush to the fluted deck or slab and is then attached to the shoulder. The BlazeFrame RipTRAK Shaftwall is a UL tested fire-rated head-of-wall joint system for up to 4" Total Deflection Movement.

Product code	Thickness				Lengths (ft)	Width (in)
	Gauge	Mils	Design thickness (in)	Min. thickness (in)		
BlazeFrame RipTRAK	20 STR	33	0.0346	0.0329	10	2-1/2, 4, 6
	18	43	0.0451	0.0428	10	
	16	54	0.0566	0.0538	10	
	14	68	0.0713	0.0677	10	

ClarkDietrich AREA SEPARATION WALL SYSTEM

Fire-resistance protects lives and property.

Area separation walls are nonload-bearing, 2-hour and 3-hour rated vertical wall assemblies that provide fire-resistant protection between adjacent living units in apartment buildings, condominiums and townhouses. They are also referred to as party walls, firewalls, multi-family walls and H-stud assemblies.

Assembled between two independent walls, area separation walls form a commonly shared party wall that extends from the foundation through the roof line. The walls are assembled with two 1"-thick gypsum panel liners vertically installed between 2" H-studs spaced 24" o.c. At the top and bottom of the walls, C-runners (or H-tracks) are installed back-to-back between vertically stacked panels. Overall stacked area separation wall assemblies cannot exceed 50 feet or the limits of the applicable UL Fire Assembly.

A photo of an area separation wall system after a fire is shown below. Although this was a tragic event, it clearly proves the effectiveness of the system. It performed as designed by maintaining the integrity of the firewall, protecting the lives and property of the adjacent units.

H-STUD

ClarkDietrich H-studs are 2" wide vertical members used to secure two 1" thick pieces of gypsum shaftliner in area separation wall assemblies. H-studs are inserted into C-runners and slid over gypsum panel liner edges, repeating until the desired wall length is achieved. Once the wall is plumbed, it is secured with aluminum burn clips.

Product code	Thickness			Size	
	Gauge	Mils	Design thickness (in)	Width (in)	Length (ft)
HSN	25	18	0.0188	2-1/16	8
					10
					12

NOTE: Two- or three-hour fire-rated assembly.

C-RUNNER

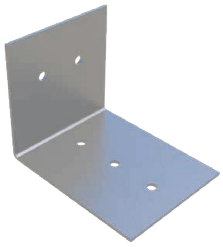
ClarkDietrich C-runner (or H-track) is used to secure H-stud and gypsum shaftliner panels in area separation wall assemblies. Attached to the foundation with powder-actuated fasteners, C-runner is also used as top track to cap the H-stud and gypsum shaftliner panels, with a second track screwed back-to-back to the lower runner, to hold the next assembly level.

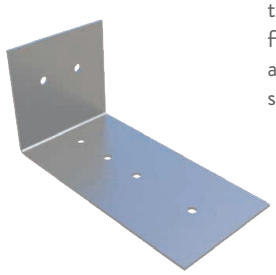
Product code	Thickness			Size	
	Gauge	Mils	Design thickness (in)	Width (in)	Length (ft)
HRN1	25	18	0.0188	2-1/8	8
					10

NOTE: Two- or three-hour fire rated assembly.

ALUMINUM BURN CLIP

CLIP EXPRESS



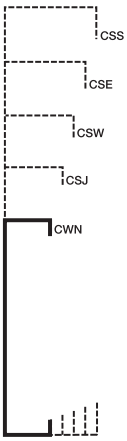


ClarkDietrich aluminum burn clips are used as part of the H-stud area separation wall assembly and are designed to melt when exposed to fire. The clips hold the area separation wall assemblies in place at the floor, roof and truss line between adjacent units. In a fire, the aluminum burn clips on the fire-ridden side of the wall will melt, allowing the wall structure for that side to collapse.

Product code	Thickness (in)	Size (in)	Packaging Pcs./Bucket
AB	0.050	2 x 2 x 2-1/2	500
AB63	0.063	2 x 2 x 2-1/2	500
AB30	0.063	2 x 2 x 3	250
AB35	0.063	2 x 2 x 3-1/2	250
AB40*	0.063	2 x 2 x 4	250
AB45	0.063	2 x 2 x 4-1/2	250

*For use with 3-hour Design Assembly based on GA file No. ASW 2600. Other custom breakaway clip lengths available.
NOTE: Check listed fire assembly for details of construction, thickness and length of required burn clips.
All burn clips are manufactured using 5052 H32 aluminum.

C-STUDS



C-Studs (C-Series™)
Cold-formed C-shaped framing members for axial load-bearing walls, curtain walls, tall interior partitions, floor joists and roof truss assemblies.

Two of the key differences between the various C-stud/Joist framing members are the flange and return dimensions. The flange is typically the bearing surface for cladding materials and a key contributor to the load-bearing capacity of the member.

ClarkDietrich CWN™ 1-3/8" Flange
Curtain wall studs have a 1-3/8" flange and 3/8" return and are used to support the exterior skin or cladding material (metal, stone, tile, glass, etc.) and the wind loads they are subjected to.

Product code*	Member	Thickness gauge (mils)	Depth (in)	Flange (in)	Return (in)
CWN3 (20 & 18 gauge) CWN5 (16 & 14 gauge)	250S137-x	20 (33), 18 (43), 16 (54), 14 (68)	2-1/2	1-3/8	3/8
	362S137-x		3-5/8		
	400S137-x		4		
	600S137-x		6		
	800S137-x		8		

ClarkDietrich CSJ™ 1-5/8" Flange
Studs/joist have a 1-5/8" flange and a 1/2" return and are considered the industry standard. CSJ members are the most widely used and specified framing members. They provide the vertical strength necessary for demanding load-bearing structural applications and sufficient strength for many joist applications.

Product code*	Member	Thickness gauge (mils)	Depth (in)	Flange (in)	Return (in)
CSJ3 (20 & 18 gauge) CSJ5 (16, 14 & 12 gauge)	250S162-x	20 (33), 18 (43), 16 (54), 14 (68), 12 (97)	2-1/2	1-5/8	1/2
	350S162-x		3-1/2		
	362S162-x		3-5/8		
	400S162-x		4		
	550S162-x		5-1/2		
	600S162-x		6		
	800S162-x		8		
	1000S162-x		10		
	1200S162-x		12		
	1400S162-x		14		

ClarkDietrich CSW™ 2" Flange
Wide studs/joist have a 2" wide flange and a 5/8" return that provides a larger bearing surface for attaching sub-flooring or sheathing materials. This framing member is also used in axial load-bearing wall assemblies.

Product code*	Member	Thickness gauge (mils)	Depth (in)	Flange (in)	Return (in)
CSW3 (20 & 18 gauge) CSW5 (16, 14 & 12 gauge)	362S200-x	20 (33), 18 (43), 16 (54), 14 (68), 12 (97)	3-5/8	2	5/8
	400S200-x		4		
	600S200-x		6		
	800S200-x		8		
	1000S200-x		10		
	1200S200-x		12		
	1400S200-x		14		

ClarkDietrich CSE™ 2-1/2" Flange
Extra-wide studs/joist have a 2-1/2" wide flange and a 5/8" return and are used in floor joist assemblies and heavy loading conditions.

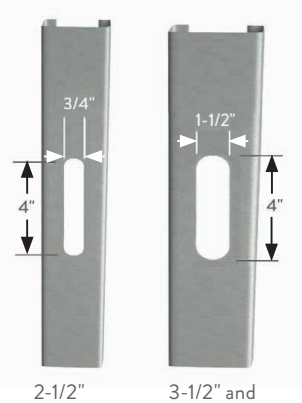
Product code*	Member	Thickness gauge (mils)	Depth (in)	Flange (in)	Return (in)
CSE3 (20 & 18 gauge) CSE5 (16, 14 & 12 gauge)	362S250-x	20 (33), 18 (43), 16 (54), 14 (68), 12 (97)	3-5/8	2-1/2	5/8
	400S250-x		4		
	600S250-x		6		
	800S250-x		8		
	1000S250-x		10		
	1200S250-x		12		
	1400S250-x		14		

ClarkDietrich CSS™ 3" Flange
Super-wide studs/joist have a 3" flange and a 5/8" return and are used in very heavy loading and long spanning conditions.

Product code*	Member	Thickness gauge (mils)	Depth (in)	Flange (in)	Return (in)
CSS3 (18 gauge) CSS5 (16, 14 & 12 gauge)	600S300-x	18 (43), 16 (54), 14 (68), 12 (97)	6	3	5/8
	800S300-x		8		
	1000S300-x		10		
	1200S300-x		12		
	1400S300-x		14		

*20 and 18 gauge are standard as 33ksi yield strength. 16, 14 and 12 gauge are standard as 50ksi yield strength.
x = mil thickness identifier

KNOCKOUTS/KNOCKOUT PATTERN



2-1/2" wide studs

3-1/2" and wider studs

ClarkDietrich cold-formed C-studs for axial load-bearing and curtain wall framing are prepunched with knockouts at regular intervals. These punchouts are specifically designed to allow for rapid installation of pipes, electrical conduit and wall bridging.

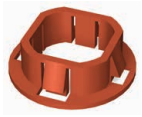
Standard knockout sizing is 1-1/2" x 4" in members 3-1/2" and wider. Members smaller than 3-1/2" are unpunched unless otherwise specified at time of order. If specified, members will be punched with a 3/4" x 4" knockout.

Knockouts are punched 12" o.c. from the lead edge with additional knockouts every 24" o.c. (on the West Coast, the first knockout is punched 24" o.c. from the lead edge). Caution must be exercised when installing studs so knockouts align for bridging. Based on stud length, the distance the knockout falls from the tail end of the stud may not be the same from the lead end. To align punchouts, make sure to use the same end in the same direction consistently.

GROMMETS

CLIP EXPRESS

2-Piece Grommet



Snap-In Bushing

Grommets snap easily into stud knockouts and are used to protect electrical wiring and plumbing lines from contacting metal. Grommets are commonly used when metal conduit is not required by building code.

Product code	Size (in)	Description	Pcs./Carton
GROM	3/4	For 1-5/8" and 2-1/2" studs	100
	1-1/2	For 3-1/2" and wider studs	

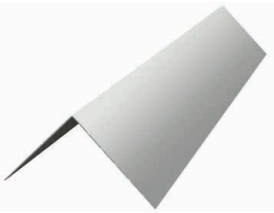
STRUCTURAL TRACK

ClarkDietrich structural track is a U-shaped framing component used as top and bottom runners to secure wall studs. Structural track is also used as end support closures for joists at exterior or foundation walls, head and sill plates of wall openings and solid blocking. Track is normally ordered in corresponding size and gauge to the wall studs.

Product code	Member	Thickness			Leg length (in)
		Gauge	Mils	Design thickness (in)	
TSA	x-T100-y	20, 18, 16, 14, 12	33, 43, 54, 68, 97	2-1/2, 3-1/2, 3-5/8, 4, 5-1/2, 6, 8, 10, 12, 14	1
TSB	x-T125-y				1-1/4
TSF	x-T150-y				1-1/2
TSC	x-T200-y				2
TSD	x-T250-y				2-1/2
TSE	x-T300-y				3

x = Part depth. Tracks are available to match all stud and joist depths.
y = Mil thickness of steel.

CORNER ANGLE



ClarkDietrich heavy-gauge corner or utility angle is commonly used for a variety of applications including: concrete pour stop, connection strut or angle, roof ridge angles and corner reinforcement.

Product code	Thickness			Size* (in)	Length* (ft)
	Gauge	Mils	Design thickness (in)		
CAE	20	33	0.0346	2 x 2	10
CAM	18	43	0.0451		
	16	54	0.0566		
	14	68	0.0713		
	12	97	0.1017		
CAE	20	33	0.0346	3 x 3	10
CAM	18	43	0.0451		
	16	54	0.0566		
	14	68	0.0713		
	12	97	0.1017		

NOTE: Other sizes available upon request.

HEAVY-DUTY FURRING CHANNEL

ClarkDietrich heavy-duty furring channel is a high-performance framing component used in ceiling, exterior wall and roof applications. With two standard depths—7/8" and 1-1/2"—heavy-duty furring channel provides greater resistance to deflection and bending. In roof applications, heavy-duty furring is used as purlins to provide connection points for roof sheathing.

Product code	Member	Thickness			Size (in)	Length (ft)
		Gauge	Mils	Design thickness (in)		
FCM	087F125-43	18	43	0.0451	7/8	10, 12
	087F125-54	16	54	0.0566		
FCMD	150F125-43	18	43	0.0451	1-1/2	10, 12
	150F125-54	16	54	0.0566		

Z-GIRT FOR RAINSCREEN FRAMING

ClarkDietrich Z-Girt is used as a primary rainscreen framing component with depths matching common exterior insulation thicknesses while providing a uniform plane for cladding attachment. It can be installed in a horizontal or vertical orientation. The type of fastener and spacing will vary based on application.

Product code	Material	Size	Thickness			Length
			Gauge	Mils	Design thickness (in)	
150ZG-33	33ksi, G90	1-1/2"	20ga	33mils	0.0346"	12'-2"
200ZG-33		2"				
250ZG-33		2-1/2"				
300ZG-33		3"				
350ZG-33		3-1/2"				
400ZG-33		4"				
150ZG-43	33ksi, G90	1-1/2"	18ga	43mils	0.0451"	12'-2"
200ZG-43		2"				
250ZG-43		2-1/2"				
300ZG-43		3"				
350ZG-43		3-1/2"				
400ZG-43		4"				
150ZG-54	50ksi, G90	1-1/2"	16ga	54mils	0.0566"	12'-2"
200ZG-54		2"				
250ZG-54		2-1/2"				
300ZG-54		3"				
350ZG-54		3-1/2"				
400ZG-54		4"				

NOTE: 14ga available upon request.

FLOOR FRAMING

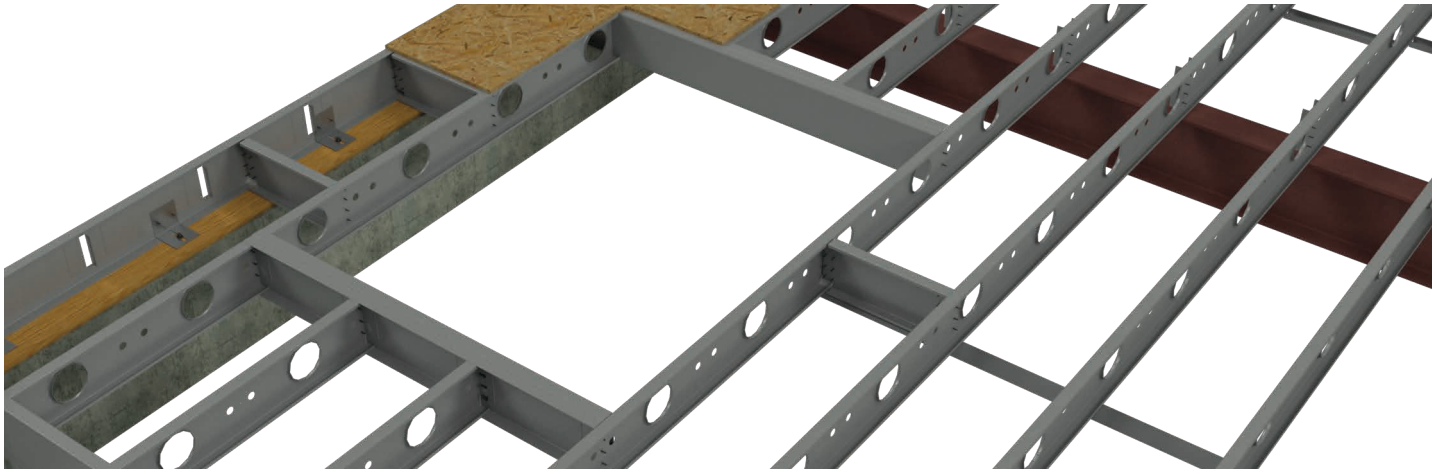
You can have confidence in the strength of steel under your feet.

Floor framing made from cold-formed steel is stronger and more versatile. Its high strength-to-weight ratio provides strong loading capacity and maximum spanning capability. It can be used with all traditional flooring materials such as plywood, OSB, concrete-filled steel deck or one of the many varieties of fiber-reinforced cement board. It doesn't squeak when you walk across it.

What's more is that ClarkDietrich's exclusive TradeReady® Floor System is designed with large extruded openings in the joists to accommodate electrical, mechanical, plumbing and technology lines. These prepunched openings also eliminate drilling and soffit framing during installation.

For all of these reasons, steel floor framing has become the standard for low- and mid-rise commercial structures such as hotels, apartments, condominiums and assisted living, as well as residential homes.

- Available in a variety of web sizes, flanges, thicknesses and yield strengths
- Pre-spaced joist tabs
- Greater spanning capabilities
- Prepunched openings
- Full system of joist components, accessories, hangers and connectors



THE ClarkDietrich TradeReady FLOOR SYSTEM

The revolutionary TradeReady Steel Joist System features a tabbed rim track to strengthen the joist against web crippling loads, and to provide greater versatility and strength for ledger applications. In conjunction with other floor sheathing products, this system provides one of the most cost-effective systems for non-combustible low- and mid-rise structures.

- Prepunched openings eliminate drilling/cutting joist webs, and soffit framing
- Sustainable alternative to wood joists, offering long-term price stability
- Pre-spaced joist tabs eliminate layout, and joist hangers
- Greater spanning capabilities for design flexibility
  - Wider o.c. spacing for fewer joists

TradeReady® STEEL JOIST

ClarkDietrich TradeReady® steel joists meets the requirements of most typical building layout and floor/roof loads. Large extruded holes (spaced at 24" o.c.) accommodate HVAC, mechanical, plumbing, electrical and sprinkler runs. The joist also features a series of smaller holes for electrical and technology lines. Hole sizes range from 4-1/4" oval to 10" round, based on member depth.

They offer consistent quality, predictable performance and high strength-to-weight ratio. .

Product code	ksi	Thickness Mils (gauge) Design thickness	Depth (in)	Flange (in)	Return (in)
TDJ	43mil = 33ksi 54, 68, 97mil = 50ksi	43mil (18ga) 0.0451 design thickness, 54mil (16ga) 0.0566 design thickness, 68mil (14ga) 0.0713 design thickness, 97mil (12ga) 0.1017 design thickness	7-1/4, 8, 9-1/4, 11-1/4	1-3/4	5/8
TDW			10, 12, 14	2	

UL and UL Classified are trademarks of Underwriters Laboratories, Inc.

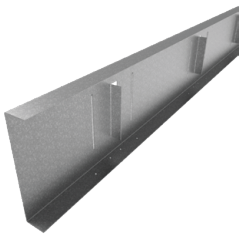
UL listed assemblies: G535, G536, G551, G553, G578, G579, G591, H516, L564, M564, P546, P561 and P562.

*Note: 7-1/4" and 8" deep members are not included in UL listings.

TradeReady Joist

Extruded hole size (in)	Hole shape	Web width (in)
4-1/4 x 7		7-1/4 TDJ, 8 TDJ
6-1/4 x 9		9-1/4 TDJ, 10 TDW, 11-1/4 TDJ
8 Diam.		12 TDW
10 Diam.		14 TDW

TradeReady RIM

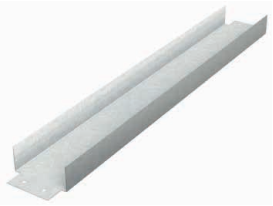


Another major component of the TradeReady floor system, the standard 12'-long rim drastically reduces framing time and effort. Rims have pre-formed, prepunched attachment tabs at 12", 16", 19.2" or 24" o.c. spacing to eliminate layout time—and ensure fast, proper fastener placement. Embossed stiffening ribs on each side of the tabs provide additional reinforcement, for a significant reduction of web stiffeners (squash blocks) and support clips in a majority of applications.

Product code	Thickness Mils (gauge) Design thickness	Depth (in)	Flange Length Top (in)	 Bottom (in)	Tab spacing (in)
TD12, TD16, TD19, TD24	43mil (18ga) 0.0451 design thickness, 54mil (16ga) 0.0566 design thickness, 68mil (14ga) 0.0713 design thickness, 97mil (12ga) 0.1017 design thickness	7-1/4, 8, 9-1/4, 10, 11-1/4, 12, 14	2	2	12, 16, 19.2, 24

TradeReady® STRUCTURAL BRIDGING

CLIP EXPRESS



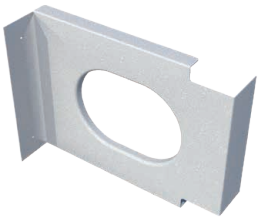
The third component of the TradeReady® Floor System, TradeReady Structural Bridging is pre-cut to fit securely between the underside of the floor joists to prevent joist rotation. Prepunched for quick attachment, it's an economical alternative to cross bracing, X-bracing or strapping. For easy attachment, install continuous row of blocking every 8' o.c. maximum, and staggered.

Product code	Thickness			Depth (in)	Effective length (in)	Packaging Pcs./Bundle
	Gauge	Mils	Design thickness (in)			
TDSB	18	43	0.0451	2-1/2	12	10
TDSB					16	
TDSB					19.2	
TDSB					24	

NOTE: TDSB bridging is not required if sheathing is applied to the joists top and bottom.

Caution: To prevent joist rolling, TDSB bridging must be tied into the structure or otherwise braced against lateral movement.

TradeReady® FLOOR JOIST BLOCKING



TradeReady Floor Joist Blocking features a large extruded hole to accommodate HVAC, mechanical, plumbing and sprinkler runs.

TradeReady Blocking is pre-cut and formed to fit securely between the floor joists to prevent joist rotation. Prepunched holes in the connection legs are added for quick attachment to each floor joist.

Product code	Thickness		Joist size (in)	Hole size (in)	Packaging Pcs./Carton
	Gauge	Mils			
725JB	16	54	7-1/4"	4-1/2" x 7"	10
800JB			8"	4-1/2" x 7"	
925JB			9-1/4"	6-1/2" x 9"	
1000JB			10"	6-1/2" x 9"	
1125JB			11-1/4"	6-1/2" x 9"	
1200JB			12"	6-1/2" x 9"	
1400JB			14"	6-1/2" x 9"	

EasyClip™ QuickTwist™ WEB STIFFENER

CLIP EXPRESS

EasyClip™ QuickTwist™ web stiffeners are used to provide reinforcement of joist webs to prevent crippling. Web reinforcement is often required by design to enhance the load capacity of joists. The unique design of QuickTwist allows the installer to insert the stiffener on the inside of the joist *after* the joist is installed. This stiffener eliminates the need to pre-insert traditional web stiffeners prior to joist installation. The one-piece assembly is easily rotated in place for a tight fit.

Product code	Size (in)	Thickness			Height* (in)	Packaging
		Gauge	Mils	Design thickness (in)		
QTWS	3-1/2	12	97	0.1017	7-1/4	Dependent on order quantity
					8	
					9-1/4	
					10	
					11-1/4	
					12	
					14	
QTWS	6	12	97	0.1017	7-1/4	Dependent on order quantity
					8	
					9-1/4	
					10	
					11-1/4	
					12	
					14	

NOTE: Dimension is nominal size. Actual product is shorter to fit inside joist.

STRUCTURAL RIM TRACK

Structural track, usually in the same gauge as the joist, is used as rim or band enclosures.

Product code	Member	Thickness			Depth (in)	Flange (in)
		Gauge	Mils	Design thickness (in)		
TSB	800T125-x	18	43	0.0451	8	1-1/4
	1000T125-x	16	54	0.0566	10	
	1200T125-x	14	68	0.0713	12	
	1400T125-x	12	97	0.1017	14	

NOTE: 18 gauge is standard as 33ksi yield strength. 16, 14, and 12 gauge are standard as 50ksi yield strength.

Depth of TSB is measured to the inside of the flanges.

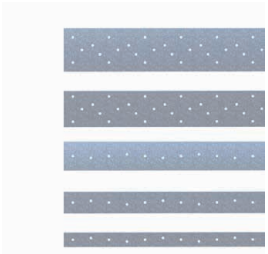
LIGHT-GAUGE C-JOIST FRAMING

ClarkDietrich C-joist components provide an economical, lightweight alternative to open web trusses, bar joists, engineered lumber, cast-in-place or hollow core floor assemblies. Plus, they're pre-cut to save time. Depending on loads and spans, C-joists are typically spaced at 12", 16", 19.2" or 24" o.c. Joist-to-girder attachments are normally supported with joist hangers, EasyClip E-Series™ or S-Series™ support clips. Web stiffeners may be required at supports and other point loads.

Product code*	Member	Thickness			Depth (in)	Flange (in)	Return (in)
		Gauge	Mils	Design thickness (in)			
CSJ	800S162-x	18	43	0.0451	8	1-5/8	1/2
	1000S162-x	16	54	0.0566	10		
	1200S162-x	14	68	0.0713	12		
	1400S162-x	12	97	0.1017	14		
CSW	800S200-x	18	43	0.0451	8	2	5/8
	1000S200-x	16	54	0.0566	10		
	1200S200-x	14	68	0.0713	12		
	1400S200-x	12	97	0.1017	14		
CSE	800S250-x	18	43	0.0451	8	2-1/2	5/8
	1000S250-x	16	54	0.0566	10		
	1200S250-x	14	68	0.0713	12		
	1400S250-x	12	97	0.1017	14		
CSS	800S300-x	18	43	0.0451	8	3	1
	1000S300-x	16	54	0.0566	10		
	1200S300-x	14	68	0.0713	12		
	1400S300-x	12	97	0.1017	14		

NOTE: 18 gauge is standard as 33ksi yield strength. 16, 14, and 12 gauge are standard as 50ksi yield strength.

COMMERCIAL STRAPPING



Coil Strapping is made in a variety of widths, each with a unique layout of prepunched holes for a variety of fastening options to meet different application requirements.

Product code	Thickness		Size Available	
	Gauge	Mils	Width	Coil Length
CS1-250-33	20	33	1"	250'
CS1-250-43	18	43	1"	250'
CS1.5-200-33	20	33	1.5"	200'
CS1.5-200-43	18	43	1.5"	200'
CS2-150-33	20	33	2"	150'
CS2-150-43	18	43	2"	150'
CS2.5-150-33	20	33	2.5"	150'
CS2.5-100-43	18	43	2.5"	100'
CS3-100-33	20	33	3"	100'
CS3-100-43	18	43	3"	100'

EasyClip™ E-Series™ SUPPORT CLIP

CLIP EXPRESS

ClarkDietrich EasyClip™ E-Series™ support clips are used for rigid standoff connections. The 4" wide leg provides extra length to achieve standoff connections up to 3." These support clips are commonly used in bypass wall conditions, a variety of floor framing applications including solid and ladder blocking attachments and joist-to-joist connections, and to secure rafter framing to the primary structure. EasyClip E-Series support clips are prepunched for faster and more accurate fastener placement.

Product code	Thickness			Size (in)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
E543	16	54	0.0566	4 x 1-1/2 x 3	100
E545				4 x 1-1/2 x 5	100
E547				4 x 1-1/2 x 7	100
E549				4 x 1-1/2 x 9	50
E541				4 x 1-1/2 x 11	50
E683	14	68	0.0713	4 x 1-1/2 x 3	100
E685				4 x 1-1/2 x 5	100
E687				4 x 1-1/2 x 7	80
E689				4 x 1-1/2 x 9	50
E681				4 x 1-1/2 x 11	50
E973	12	97	0.1017	4 x 1-1/2 x 3	50
E975				4 x 1-1/2 x 5	50
E977				4 x 1-1/2 x 7	50
E979				4 x 1-1/2 x 9	50
E971				4 x 1-1/2 x 11	40

EasyClip S-Series™ SUPPORT CLIP

CLIP EXPRESS

ClarkDietrich EasyClip S-Series™ support clips are commonly used for rigid connections in window and door framing, joist, bypass or other miscellaneous connections to secure one framing member to another, or to secure framing members to the structural frame. This high-performance multi-use utility clip is ideal for corner reinforcements, stair openings and numerous support applications. EasyClip S-Series clips are prepunched for faster and more accurate fastener placement.

Product code	Thickness			Size (in)	Packaging Pcs./Bucket
	Gauge	Mils	Design thickness (in)		
S543	16	54	0.0566	1-1/2 x 1-1/2 x 3	400
S545				1-1/2 x 1-1/2 x 5	200
S547				1-1/2 x 1-1/2 x 7	100
S549				1-1/2 x 1-1/2 x 9	100
S541				1-1/2 x 1-1/2 x 11	100
S683	14	68	0.0713	1-1/2 x 1-1/2 x 3	200
S685				1-1/2 x 1-1/2 x 5	200
S687				1-1/2 x 1-1/2 x 7	100
S689				1-1/2 x 1-1/2 x 9	100
S681				1-1/2 x 1-1/2 x 11	100
S973	12	97	0.1017	1-1/2 x 1-1/2 x 3	200
S975				1-1/2 x 1-1/2 x 5	150
S977				1-1/2 x 1-1/2 x 7	100
S979				1-1/2 x 1-1/2 x 9	80
S971				1-1/2 x 1-1/2 x 11	70

BRIDLE HANGER

CLIP EXPRESS

Bridle hangers are commonly used to attach cold-formed C-joists to structural steel beams, wood ledgers or masonry block. Connections can be made with screws, powder-actuated fasteners, drill-in concrete anchors or welding. Single- and double-wide hangers are also available in other widths and depths. The MB hanger can also be sloped to a maximum of 45°. Skew only: MB series can be skewed to a maximum of 45°—maximum allowable download is 62% of table load.

Product code	Thickness			Width (W) (in)	Depth (H) (in)	Packaging Pcs./Carton
	Gauge	Mils	Design thickness (in)			
CDBV 1-5/8 x 6	14	68	0.0713	1-5/8	6	25
CDBV 1-5/8 x 8				1-5/8	8	25
CDBV 1-5/8 x 10				1-5/8	10	25
CDBV 1-5/8 x 12				1-5/8	12	25
CDBV 2 x 6	14	68	0.0713	2	6	25
CDBV 2 x 8				2	8	25
CDBV 2 x 10				2	10	25
CDBV 2 x 12				2	12	25
CDBV 4 x 6	14	68	0.0713	4	6	25
CDBV 4 x 8				4	8	25
CDBV 4 x 10				4	10	25
CDBV 4 x 12				4	12	25
CDMB 2 x 8	12	97	0.1017	2	8	25
CDMB 2 x 10				2	10	25
CDMB 2 x 12				2	12	25
CDMB 4 x 8				4	8	25
CDMB 4 x 10				4	10	25

MB: Slope 0° to 30°, maximum allowable download is 100% of table load.

Slope 31° to 45°, maximum allowable download is 80% of table load.

UNIVERSAL JOIST HANGER

CLIP EXPRESS

The Universal Joist Hanger is used to connect joists to CFS headers (with screws, welds or PAF fasteners) and steel I-beams (with welds or PAF fasteners). The UJH is sized to fit joist sizes from 8" to 14" deep.

Product code	Thickness					Packaging pcs./bucket
	Gauge	Mils	Yield strength	Design thickness (in)	Min. thickness (in)	
UJH-68	14	68	50 ksi	0.0713	0.0677	50
UJH-97	12	97	50 ksi	0.1017	0.0966	50

SKEWABLE ANGLE

CLIP EXPRESS

ClarkDietrich Skewable Angles are used to make rigid attachments of joist-to- joist or joist-to-other-miscellaneous framing. This clip is ideal for making off-angle connections. It is easily field bent from 0° to 135°.

Product code	Thickness			Size (in)	Packaging pcs./bucket
	Gauge	Mils	Design thickness (in)		
SA3	18	43	0.0451	3	100
SA4				4	
SA5				5	
SA6				6	
SA7				7	
SA9				9	

Product Name Index

Product Code Index

Product Code Index

PATENTS/TRADEMARKS/WARRANTY

Patents

U.S. Patent Nos. 5,689,922; 5,816,002; 6,070,374; 6,301,854; 6,418,694; 6,688,069; 6,691,478; 6,691,487; 6,708,460; 6,761,005; 7,240,459

Canadian Patent No. 2319346

Mexican Patent No. 243294

U.S. Patent No. 6,705,056 is owned by Daniel W. Tollenaar

U.S. Patent No. 7,882,676 is owned by Jeffery Thomas Ellis

Trademarks

ClarkDietrich is a registered trademark of ClarkDietrich Building Systems. ProSTUD®, ProTRAK®, TRAKLOC®, TradeReady®, Spazzer®, FastClip™, EasyClip™, Fast Top™, Fast Strut™, FastBridge™, Uni-Clip™, Clip Express℠, Stronger Than Steel℠, FastBack™, HDS®, RedHeader PRO™, QuickTwist™, Slide Clip™, SubmittalPro®, SwiftClip™, A-Series™, B-Series™, D-Series™, E-Series™, G-Series™, GP-Series™, H-Series™, L-Series™, LS-Series™, LE-Series™, LA-Series™, S-Series™, T-Series™, U-Series™, X-Series™, MaxTrak®, Bar Guard™, DoubleTrack™ QC-Series™, Katz™, BackerBead®, E-Flange™, DiamondPlus®, ClarkDietrich Sound Clip™, RC Deluxe® Resilient Channel and 360TRAK™ are owned by ClarkDietrich.
Barrier Mesh™.

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Danback® is a registered trademark of Daniel W. Tollenaar.
UL® and UL Design® are trademarks of Underwriters Laboratories, Inc.

Warranty

Our products are manufactured in accordance with company standards and/or industry standards, as applicable. All ClarkDietrich products are covered by our standard warranty which is contained in our Standard Terms and Conditions of Sale and which will be provided upon request. Generally, we warrant our products will be free from defects in material and workmanship at the time of shipment, subject to the limitations stated in the warranty. Unless specifically agreed in writing by us with respect to specific orders, we do not make any warranty of merchantability or fitness for a particular purpose. The buyer is responsible to assure that buyer orders the appropriate product for any applicable code or specification requirements.

NOTICE: Our liability is expressly limited to replacement of defective products. We shall not be liable for incidental and consequential damages, nor for any loss caused by misuse or misapplication of our products. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was or reasonably should have been discovered.

CODE APPROVALS AND PERFORMANCE STANDARDS

ClarkDietrich products meet or exceed these applicable performance standards.

ProSTUD® Drywall Framing Standards

AISI S100-16 (2020) w/S2-20 - North American Specification for the Design of CFS Structural Members
AISI S220-20 - North American Standard for Cold-Formed Steel Framing Nonstructural Members
(Compliant to ASTM C645, but IBC replaced with AISI S220 in IBC 2015)

Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
Section A5 Products - Thickness, shapes, tolerances, identification
Section C Installation (Referencing ASTM C754)

ClarkDietrich Nonstructural Framing comply with:

IBC-2021 - International Building Code
Intertek CCRR-0207
LA RR #26019 - City of Los Angeles ProSTUD Research Report
NYC - OTCR ProSTUD Approval Letter
SFIA (Steel Framing Industry Association) Code Compliance Certification Program
UL 263 "Fire Tests of Building Construction and Materials"
ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials
ASTM E72 - Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

Multiple UL® design listings for ProSTUD:

Over 50 UL Designs. See UL file number R26512 for additional information.
UL® and UL® Design are service marks of Underwriters Laboratories, Inc.

U.S. Patent No. 9,010,070

Structural Framing Standards

AISI S100-16 (2020) w/S2-20- North American Specification for the Design of CFS Structural Members
AISI S240-20 - North American Standard for Cold-Formed Steel Structural Framing
(Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2014, AISI S240 in IBC 2018)

Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
Section A5 Products - Thickness, shapes, tolerances, identification
Section C Installation (Referencing ASTM C1007)

ClarkDietrich Structural Framing comply with:

IBC-2021 - International Building Code
Intertek CCRR-0206 - Structural Studs and Track
SFIA (Steel Framing Industry Association) Code Compliance Certification Program
ICC-ES ESR-1166P
ICC-ES ESR-1166P - LABC and LARC Supplement

LEED® Services
BUILD GREEN with ClarkDietrich

ClarkDietrich is an active member of the U.S. Green Building Council and is committed to supplying quality products that are environmentally responsible. We are continually working to develop greener building products and sustainable business practices. ClarkDietrich steel framing helps contribute points toward LEED® certification. For more details contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED.

SustainabilityPro

Quickly access the product-specific information and certifications needed to calculate contributions to LEED® and other green building certification and rating systems - all in one platform.
Find out more at www.clarkdietrich.com/LEED.

ClarkDietrich has prepared this literature with the utmost diligence and care for accuracy and conformance to standards.

ClarkDietrich intends this information to be accurate, informative, and helpful as a selection guide for choosing ClarkDietrich products. However, this information is only to be used for guidance and is not intended to replace the design, drawings, specifications, and decisions of a professional architect or engineer.

ClarkDietrich or its affiliates shall not be responsible for incidental or consequential damages, directly or indirectly sustained, nor for loss caused by application of our products for other than their intended uses. Our liability is limited to replacement of defective products. Claims shall be deemed waived unless they are made to us in writing within thirty (30) days of the date a problem was or reasonably should have been discovered.

ClarkDietrich reserves the right to modify or change any information contained in this literature without notification.

For the most up to date version of all ClarkDietrich literature, scan the QR code.

Structural Framing and Drywall Framing Standards

AISI S202-20 - Code of Standard Practice for Cold-Formed Steel Structural Framing
Section F3 Delivery, handling and storage of materials

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ClarkDietrich is a proud member of the Steel Framing Industry Association (SFIA). Check the updated list of Certified Production Facilities at Intertek's website at www.intertek.com.

LOCATIONS

ClarkDietrich Manufacturing and Sales Locations:

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Online Revision: pgs. 16-23 Pony Wall product images
6/23/2022 - pg. 60 - Universal Joist Hanger product image
6/23/2022 - pg. 19 - Pony Wall Chart update
7/27/2022 - pg. 15 - Z-Furring Chart update
12/9/2022 - pg. 43 - Updated FastBack™ chart and image
6/27/2023 - pg. 48 - Updated Shaftwall chart
9/5/2023 - pg. 51 - AB clip material note
9/15/2023 - pg. 63 - Structural Code Approvals
10/01/2023 - pg. 63 - Structural Code Approvals
11/3/2023 - 37-38 - HDS® and RedHeader PRO™ image and chart changes

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