In-Wall Blocking for Cabinets and other Misc. Items

ClarkDietrich BUILDING SYSTEMS

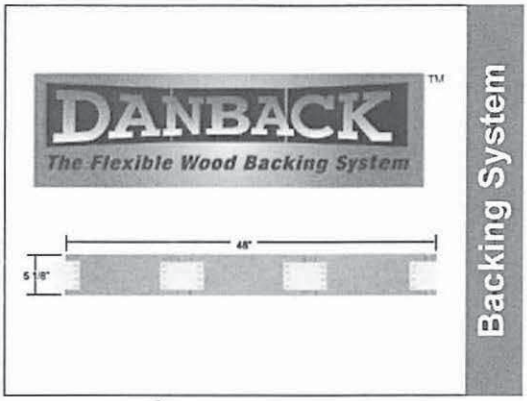
Product Submittal Sheet

Tech Support: 888-437-3244
Engineering Services: 877-832-3206

Sales: 800-543-7140
clarkdietrich.com

Danback™ Flexible Wood Backing System

Danback™ Flexible Wood Backing System is a heavy-duty flexible wood backing plate system that provides superior connection shear and pullout strength for handrails, shelves and other wall fixtures.



Product Data & Ordering Information:

Material: ¾" CDX Doug Fir Dricon fire-retardant treated wood
Dimensions: 5-1/8" x 48" (130mm x 1219mm)
Packaging: (250) pieces per skid
Product weight: 5.114 lbs. / piece

Danback™ Flexible Wood Backing Plate Ultimate Load Values:

Product Code	Shear Load Ultimate (lbs)	Normal Load Ultimate (lbs)
D16F (16"o.c. System)	814	516
D24F (24"o.c. System)	725	418

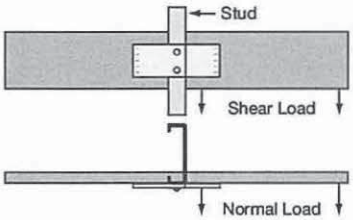
Table Notes:
Listed load values are ultimate test load values. Designers must apply design safety factors appropriate for intended use.

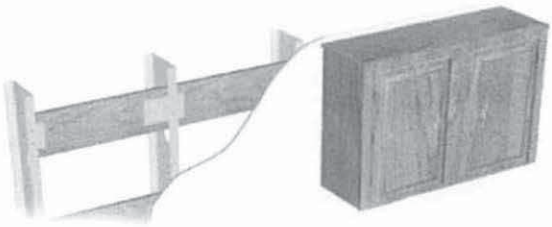
Normal Load refers to load directed perpendicular to wall or plywood surface. Shear Load refers to load directed in the plane of the wall or plywood surface.

Tabulated loads do not include the contribution of gypsum board or other wall sheathing.

- Reduces installation time up to 90%
- Available for 16" and 24" O.C. framing
- Made with Dricon® fire-retardant treated wood
- Complies with all national building codes
- U.S. Patent No 6,705,056

(FSC Certified Lumber available on request)





Dricon® fire retardant or Dricon® FRT wood complies with or has been granted the following:		
AWPA T1 Section 8.8	ICC-ES ESR-1626	ASTM D 5516 & D 5664
AWPA P49 (FR-1), P25 (SBX)	EPA registration (62190-9)	MIL-L-19140 Qualified Products
AWPA U1 (UC1, UC2, UCFA) and former C9, C20, C27, C31	NYC MEA 199-81-M, NYC MEA 200-81-M	National Building Code of Canada
Flamespread and Smoke Development Rating of 25 or Less	Factory Mutual Class 1 Roof Deck	
Class A FRT wood	City of Los Angeles (RR 25122)	
UL Recognized Component	FHA Minimum Property Standard #2600	
NFPA 703, 101 Life Safety Code	HUD Materials Release (1261)	
(All are subject to revision, re-examination)		

CD-Danback © 05/15 ClarkDietrich Building Systems

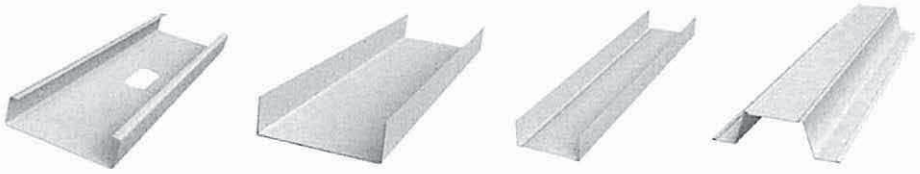
Project Information
Name: 212 S. Meramec
Address: 212 S. Meramec
Clayton MO 63105

Contractor Information
Name: Paric Corporation
Contact: Matt Horton
Phone: 636-561-9500
Fax: 636-561-9501

Architect Information
Name:
Contact:
Phone:
Fax:

ClarkDietrich™ PRODUCT INFORMATION

Example: 362S162-43 (33ksi, CP60) punched



S = Structural stud or joist
PDS = ProSTUD® drywall stud

T = Structural track
PDT = ProTRAK® drywall track

U = CRC or U-channel

F = Furring channel

362 S 162 – 43 (33ksi, CP60) Punched

Punching
Punched studs or joists will be supplied unless the customer indicates unpunched material is required at time of order. All track and channels are unpunched.

Protective Coating
Structural framing CP60 (G90 available)
Drywall framing G40EQ (G40 or G60 available)

KSI -Yield Strength (Fy)
Structural: 33ksi or 50ksi steel
Drywall: See ProSTUD below.

ClarkDietrich structural member depths, flanges & available thickness

Member depths	Flange widths range	Mils range	Gauge range
(250) 2-1/2"	1-3/8," 1-5/8," 2" & 2-1/2"	33–68	20–14 ga
(350) 3-1/2"	1-3/8," 1-5/8," 2" & 2-1/2"	33–68	20–14 ga
(362) 3-5/8"	1-3/8," 1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(400) 4"	1-3/8," 1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(550) 5-1/2"	1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(600) 6"	1-3/8," 1-5/8," 2," 2-1/2" & 3"	33–97	20–12 ga
(800) 8"	1-3/8," 1-5/8," 2," 2-1/2" & 3"	33–97	20–12 ga
(925) 9-1/4"	1-5/8," 2" & 2-1/2"	43–97	18–12 ga
(1000) 10"	1-5/8," 2," 2-1/2" & 3"	43–97	18–12 ga
(1200) 12"	1-5/8," 2," 2-1/2" & 3"	54–97	16–12 ga
(1400) 14"	1-5/8," 2," 2-1/2" & 3"	54–97	16–12 ga

ClarkDietrich return lip dimensions

Flange width	Return lip	Member depths
137 (1-3/8")	3/8"	3-5/8"–8"
162 (1-5/8")	1/2"	2-1/2"–14"
200 (2")	5/8"	3-5/8"–14"
250 (2-1/2")	5/8"	3-5/8"–14"
300 (3")	5/8"	6"–14"

Old stud/track designations

Designation	Type	Flange/leg
CWN	Stud	1-3/8"
CSJ	Stud	1-5/8"
CSW	Stud	2"
CSE	Stud	2-1/2"
CSS	Stud	3"
TSB	Track	1-1/4"
TSC	Track	2"
TSE	Track	3"

ClarkDietrich thickness identification and 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

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	19	65	0.0200	0.0190	Pink
ProSTUD 20XD	22	57	0.0232	0.0220	Pink
ProSTUD 30MIL	30	33	0.0312	0.0296	Pink
ProSTUD 33MIL	33	33	0.0346	0.0329	White

ProTRAK (25, 20 & 20XD) = 50ksi ProTRAK 30 & 33mil = 33ksi

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 tells you 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.

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.

Protective coatings.

Non-structural products are coated to meet the requirements of AISI S220 and ASTM C645, with a G40 or a protective coating with an equivalent corrosion resistance. ProSTUD® Drywall Framing System meets the Code Compliance Research Report ATI CCRR-0207. Non-structural products may also be ordered with enhanced coatings for special applications.

Structural framing products are available with a variety of protective coatings that meet the CP60 coating protection level requirements of AISI S200 and ASTM C955. These coatings may include G60, A60, AZ50 or GF30, all of which satisfy the above referenced standards. G90 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.

ClarkDietrich™ CODE APPROVALS AND PERFORMANCE STANDARDS

Material Certification - ClarkDietrich products meet or exceed these applicable performance standards.

Structural framing standards

AISI S100-07 "North American Specification for the Design of Cold-Formed Steel Structural Members, 2001 with 2010 supplement"

ASTM C955	Load-bearing steel framing
ASTM C1007	Installation
ASTM A1003	Material specification for steel sheet mechanical and chemical requirements

Protective coating standards

ASTM A653	Zinc-coated hot-dip process
ASTM A792	55% aluminum-zinc alloy-coated hot-dip process
ASTM A875	Zinc-5% aluminum alloy-coated hot-dip process
ASTM A924	Metallic-coated hot-dip process

Additional code approvals
SFIA (Steel Framing Industry Association)
ICC-ES ESR 1166P

ProSTUD® drywall framing standards

AISI S100-07 North American Specification for the Design of Cold-Formed Steel Structural Members

AISI S220-11 North American Standard for Cold-Formed Steel Framing – Nonstructural Members

ASTM American Society for Testing and Materials

A1003	Material specification for steel sheet mechanical and chemical requirements
C645	Standard specification for nonstructural steel framing
C754	Standard specification for installation of steel framing
C1002	Standard specification for steel self piercing tapping screw
E119	Standard test methods for fire tests
E72	Standard test methods of conducting strength tests
E90	Standard test method for sound transmission loss

UL® Underwriters Laboratories testing standard

UL 263 Fire Tests of Building Construction and Materials"

Multiple UL® design listings for ProSTUD
Over 50 UL Designs; UL file number R26512

Additional code approvals
SFIA (Steel Framing Industry Association)
ATI CCRR-0207

UL® and UL® Design are trademarks of Underwriters Laboratories, Inc.

Metal lath & accessories

ASTM C847	Metal lath products
ASTM C841	Installation of interior lathing & furring
ASTM C1063	Installation of lathing & furring
ASTM A653	Zinc-coated hot-dip process
ASTM C1047	Accessories standards—control joints
ASTM A924	Metallic-coated hot-dip process
UUB790A	APB type 1, grade D, style 2
CE 240.01	Furring (metal) lathing and plastering
EMLA 920	Guide specs for metal lathing & furring

Additional code approvals
ATI CCRR-0204

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

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

ClarkDietrich Building Systems intends this information to be accurate, informative, and helpful as a selection guide for choosing ClarkDietrich Building System 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 Building Systems 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 structural and nonstructural framing comply with the SFIA Code Compliance Program. ClarkDietrich is a member of SFIA.

Check the updated list of Certified Production Facilities at Architectural Testing's website at www.archtest.com.

USGBC and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.

LOCATIONS

ClarkDietrich Building Systems 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
GEORGIA McDonough P 678.304.5500	HAWAII Kapolei P 951.360.3500	ILLINOIS Rochelle P 800.659.0745	MARYLAND Baltimore P 410.477.4000
OHIO Warren-East P 330.372.5564	OHIO Warren-West P 330.372.4014	TEXAS Baytown P 281.383.1617	TEXAS Dallas P 214.350.1716
CLIP EXPRESS™-EAST P 866.638.1908	CLIP EXPRESS™-WEST P 530.406.3462	VINYL CORP P 800.648.4695	

ClarkDietrich Engineering Services. A full spectrum of solutions.

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

CENTRAL Crown Point, IN
NORTHEAST Bristol, CT
SOUTHEAST Roswell, GA
SOUTHEAST McDonough, GA
WEST Carlsbad, CA

The technical content of this page is effective 08/18/14 and supersedes all previous information

Safety Data Sheet (SDS)

ClarkDietrich BUILDING SYSTEMS

Section 1 – Identification

1(a) Product Identifier used on Label: Coated Steel Sheet.

1(b) Use/Description: Coated Steel Sheet for thin gauge framing products.

1(d) Products: Cold-Formed Steel Framing components and accessories for drywall, curtain wall and load bearing systems. Also includes metal lath and plaster accessories.

1(d) Synonyms: Hot Band, Cold Rolled, P&O, Galvanized.

1(e) Company Identification and Emergency Contact Information: ClarkDietrich Building Systems

Corporate Office:

9100 Centre Point Drive, Suite 210
West Chester, OH 45069

Phone: 513-870-1100

Fax: 513-870-1300

http://www.clarkdietrich.com/

Manufacturing Locations:

Baltimore, MD	Baytown, TX	Bristol, CT	Dade City, FL
Dallas, TX	Kapolei, HI	McDonough, GA	Riverside, CA
Rochelle, IL	Sacramento, CA	Warren East & West, OH	

Section 2 – Hazard(s) Identification

2(a) Classification of the chemical: Coated Steel Sheet is considered an article under Reach regulation (REACH REGULATION (EC) No 1907/2006) and is not subject to classification under CLP regulation (REGULATION (EC) No 1272/2008). However, Coated Steel Sheet is not exempt as an article under OSHA's Hazard Communication Standard (29 CFR 1910.1200) due to its downstream use, thus this product is considered a mixture and a hazardous material. Therefore, the categories of Health Hazards as defined in "GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), Third revised edition ST/SG/AC.10/30/Rev.3" United Nations, New York and Geneva, 2009 have been evaluated. Refer to Section 3, 8 and 11 for additional information.

2(b) Signal word, hazard statement(s), symbols and precautionary statement(s):

Hazard Symbol	Hazard Classification	Signal Word	Hazard Statement(s)
	Carcinogenicity - 2 Reproductive Toxicity - 2 Single Target Organ Toxicity (STOT) Repeat Exposure -1	Danger	Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to lungs and central nervous system through prolonged or repeated inhalation exposure.
	Acute Toxicity-Oral - 4 Skin Sensitization - 1 STOT Single Exposure - 3		Harmful if swallowed. May cause an allergic skin reaction. Harmful in contact with skin. May cause respiratory irritation.
NA	Eye Irritation-2B		Causes eye irritation.

Precautionary Statement(s):

Prevention	Response	Storage/Disposal
Do not breathe dusts / fume / gas / mist / vapor / spray. Wear protective gloves / protective clothing / eye protection / face protection. Contaminated work clothing must not be allowed out of the workplace. Use only outdoors or in well ventilated areas. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.	If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed, concerned or feel unwell: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. If on skin: Wash with plenty of water. If irritation or rash occurs: Get medical advice/attention. Take off and wash contaminated clothing before reuse. Call a poison center/doctor if you feel unwell.	Dispose of contents in accordance with federal, state and local regulations.

2(c) Hazards not otherwise classified: None Known

2(d) Unknown acute toxicity statement (mixture): None Known

This is only 1 of the 9 pages. You can view the full report or our EPDs and HPDs at the following location: www.clarkdietrich.com/support-tools/support-docs

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

061053-003
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

061053
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

○ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ◉ Record Documents
- ○ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ○ Information Only ○ Record

REMARKS OR DEVIATIONS

Blocking to be used for interior applications.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

DEVIN D GATES — 11/28/16
REVIEWED BY — DATE

To be completed by Reviewer

06 1053-003
CANNON DESIGN SUBMITTAL NUMBER

11/28/16
RECEIVED DATE

- ○ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ○ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ○ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ○ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ○ See attached sheet(s) for additional comments

Reviewed wood backing/blocking only, Contractor to confirm compatibility with 0992216 non-structural metal framing.

Contractor to confirm/ coordinate anticipated load requirements with scheduled backing load strength /values.

There is no confirmation of FSC-accredited certification in this submittal. Provide LEED documentation in separate submittal. Contractor to confirm if inclusion of backing is required to meet specified participation level.

Kelvin Patel — Digitally signed by Kelvin Patel DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel Date: 2016.12.02 15:52:21-06'00' — 12/2/16
REVIEWED BY — DATE