

stiffy

200 SERIES

LOW VOLTAGE
SUPPORTS

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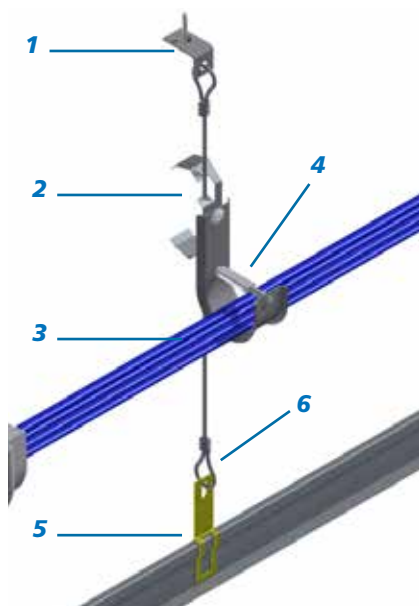
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JOBSITE PROBLEM MEETS STIFFY SOLUTION



Job Site Problem

Typical T-Bar Installation



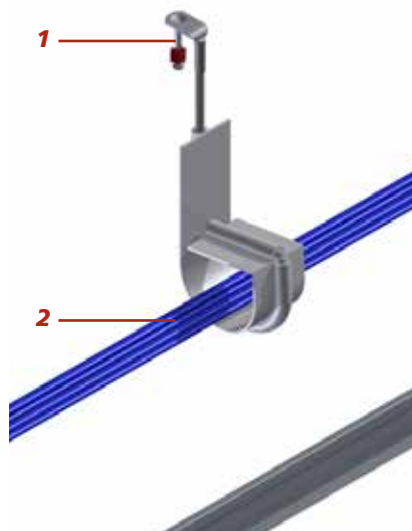
Job Site Problem

- Step 1 - Install Ceiling Wire
- Step 2 - Climb up a ladder and attach the data support
- Step 3 - Climb up a ladder and install the cable
- Step 4 - Install Restraint Clip
- Step 5 - **Return to the location** (after the T-bar Grid is installed), climb a ladder and attach the banana clip. (Per NEC 300.11)
- Step 6 - Tie the ceiling wire to the clip

Installer must revisit every support

Stiffy Solution

Fig 200 Comfort Cradle



Stiffy Solution

- Step 1 - Install the Stiffy from the ground

Pre-assembled Saves labor

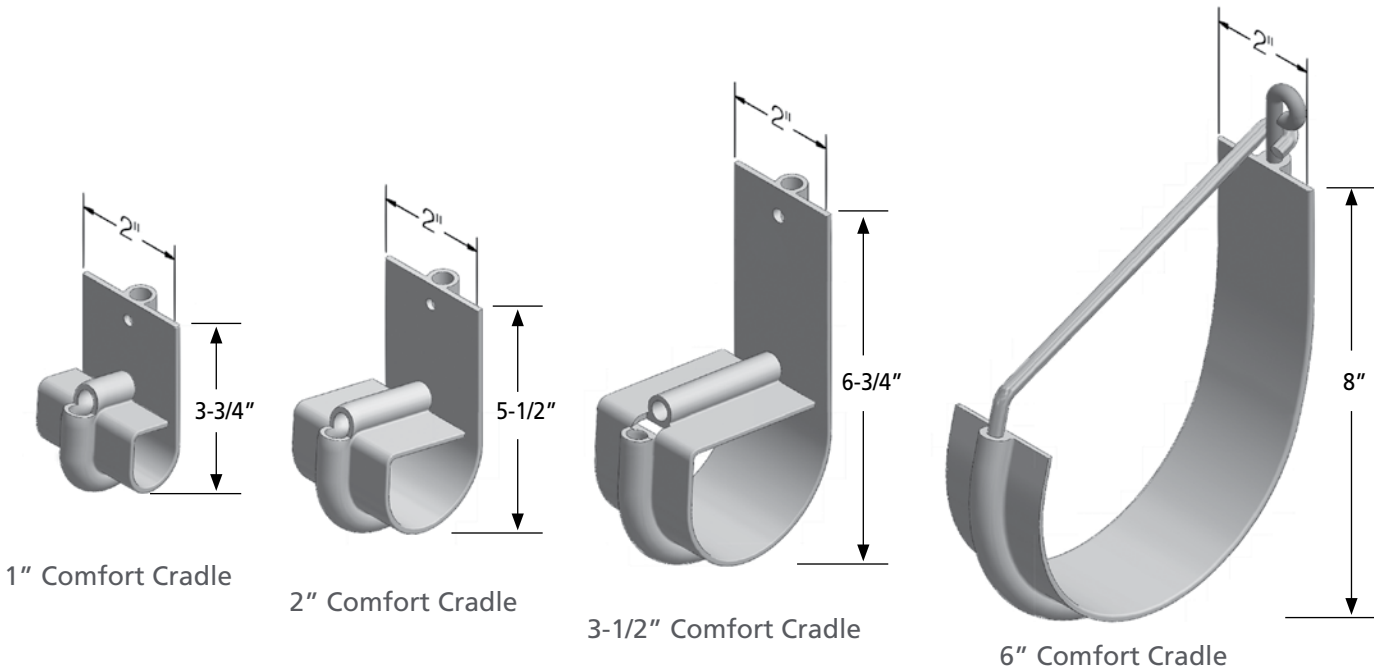
- Step 2 - PULL the cable through the Stiffy

No need to revisit - The rigid connection to the structure satisfies the requirements of NEC 300.11.

It doesn't get any easier than this...

	Job Site Problem	Stiffy Solution
Engineered as an assembly	No	Yes
NEC 300.11 compliant	Yes. Only when a Banana Clip is used to secure the wire to the T-bar Grid.	Yes
Pre-staked with several Engineered Attachment options	No	Yes
UL listed engineered attachment options for concrete, wood, metal and steel	No	Yes
Quick to install	No. Very labor intensive to install the batwing clips. Also, per NEC 300.11 the ceiling wire must be secured at the top as well as bottom which requires a second trip to the same location.	Yes

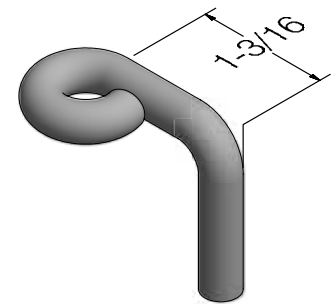
Low Voltage Product Data & Fill Capacities - Technical Data



PRODUCT	AREA (sq. in.)	CAT 5E O.D. = .214 Weight = 28 Lbs/1000ft		CAT 6A O.D. = .246 Weight = 31.1 lbs/1000ft	
Comfort Cradle Fill Capacities ¹					
		100% Fill	70% Fill	100% Fill	70% Fill
1" Comfort Cradle	0.785	21	15	16	11
2" Comfort Cradle	3.142	87	61	66	46
3-1/2" Comfort Cradle	9.621	267	187	202	141
6" Comfort Cradle	28.274	786	550	595	417
Trapeze Fill Capacities ¹					
		100% Fill	50% Fill	100% Fill	50% Fill
6" Wide x 3" Deep	18	500	250	378	189
8" Wide x 3" Deep	24	667	333	504	252
10" Wide x 3" Deep	30	834	417	631	315
12" Wide x 3" Deep	36	1000	500	757	378
14" Wide x 3" Deep	42	1167	583	883	441
16" Wide x 3" Deep	48	1334	667	1009	504
18" Wide x 3" Deep	54	1500	750	1136	568
Cable Weight Totals					
Quantity of cables for 5 Lbs/ft		178		160	
Quantity of cables for 10 Lbs/ft		357		321	

Footnotes:

1-Refer to product pages for individual support capacities.



Stiffy 90° Footprint

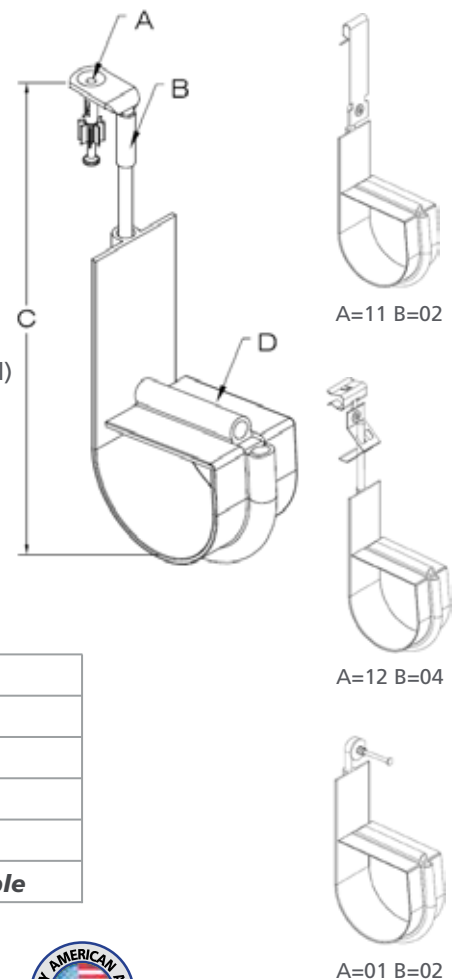


Maximum Support Spacing
Illustration for Data Cables

Non-continuous supports may not exceed spacing of 5' per TIA 569-C.9.7





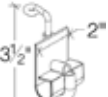
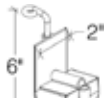
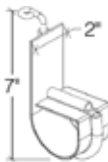
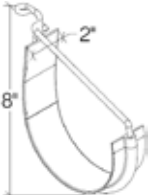




- Nonconductive Plenum Rated 2" wide polypropylene Comfort Cradle with Locking Restraint Latch
- Max support spacing: 4-5' O.C.
- The rigid connection eliminates the need to attach to ceiling grid per NEC Article 300-11
- Max load for support rod: 70#
- Max load for cradle: 50#
- UL listed hardware
- UL listed for use in plenums
- Fill capacity for low voltage applications:
 - 1" cradle: Up to 15ea CAT5E or 11ea CAT6A. (70% Fill)
 - 2" cradle: Up to 61ea CAT5E or 46ea CAT6A. (70% Fill)
 - 3-1/2" cradle: Up to 187ea CAT5E or 141ea CAT6A. (70% Fill)
 - 6" cradle: Up to 550ea CAT5E or 417ea CAT6A. (70% Fill)
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data



Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

	A	B	C	D	Qty
Fig 200					
Fig 200					
Fig 200					



A		B		C	D
*00	No Fastener	*01	*011	Drop Length (Inches)	*01 1" Cradle
*01	1-1/4" Power Actuated Pin—1" Embedment				*02 2" Cradle
*02	1-1/2" Power Actuated Pin—1-1/4" Embed				*03 3-1/2" Cradle
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)				*04 6" Cradle
*03.1	3/8" x 3" Wedge Anchor (2" Embed)				
*04	1/4" x 1-3/4" Concrete Screw Anchor	*012	*02	<div>Dimensions:</div> <div></div> <div>1" Cradle</div> <div></div> <div>2" Cradle</div> <div></div> <div>3-1/2" Cradle</div> <div></div> <div>6" Cradle</div>	R Red
*04.1	3/8" x 1-3/4" Concrete Screw Anchor				B Blue
*06	#10 Hex Washer Head Self Driller				G Green
*07	#10 Hex Washer Head Sharp Point				Y Yellow
*08	Timberpin (Wood Applications)				BK Black
*09	Wide Mouth Beam Clamp				
*12	Adjustable Hammer-on BC Rotates 360° (Specify Flange Thickness)				
*13	1-1/4" PowderPuff Pin—1" Embedment	*10 Other—Please Specify			
*14	Stiffy Wood Pull Down Attachment				
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange				
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange				
*25	Other—Please Specify				

*Standard cradles come in white. Specify custom colors.

Example:
02 = White 2" Cradle
02R = Red 2" Cradle

Additional Fastener Options are Shown on Pages 19-21

Application Examples

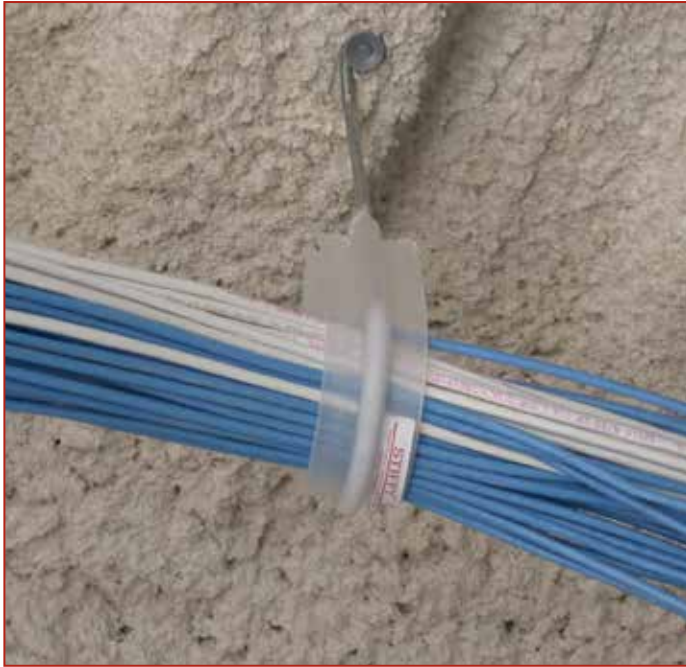


Fig. 200

ELECTRICAL/LOW VOLTAGE APPLICATIONS



CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

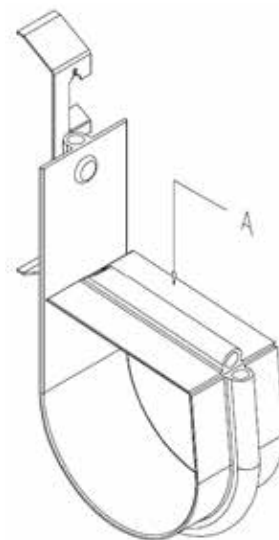
It's What We Do!

Fig. 201

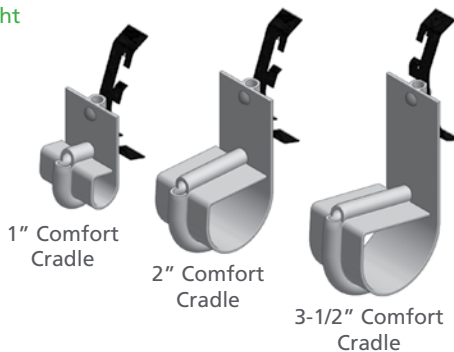
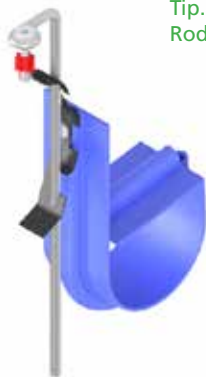
Stiffy Clip-on Comfort Cradle



- Nonconductive Plenum Rated 2" wide polypropylene Comfort Cradle with Locking Restraint Latch
- Max support spacing: 4-5' O.C.
- When used with Stiffy Rod Supports the rigid connection eliminates the need to attach to ceiling grid per NEC Article 300-11
- UL listed hardware
- UL listed for use in plenums
- Fill capacity for low voltage applications:
 - 1" cradle: Up to 15ea CAT5E or 11ea CAT6A. (70% Fill)
 - 2" cradle: Up to 61ea CAT5E or 46ea CAT6A. (70% Fill)
 - 3-1/2" cradle: Up to 187ea CAT5E or 141ea CAT6A. (70% Fill)
 - 6" cradle: Up to 550ea CAT5E or 417ea CAT6A. (70% Fill)
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data
- Available for 3/8" dia all thread rod

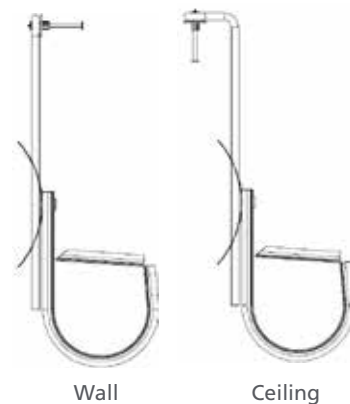


Tip...Check out the Fig 100 Stiffy Straight Rod to support your Comfort Cradles.



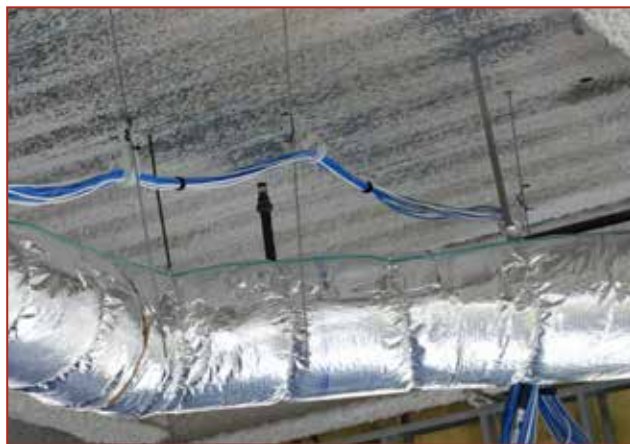
Contractor:		Ship to Address:	
PO#		Order Date:	
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A		
*01	1" Cradle	100/Box
*02	2" Cradle	50/Box
*03	3-1/2" Cradle	30/Box
*04	6" Cradle	25/Box
*Standard cradles come in white. Specify custom colors. Example: 02 = White 2" Cradle 02R = Red 2" Cradle		
R	Red	
B	Blue	
G	Green	
Y	Yellow	
BK	Black	



	A	Qty
Fig 201		
Fig 201		
Fig 201		

Application Examples



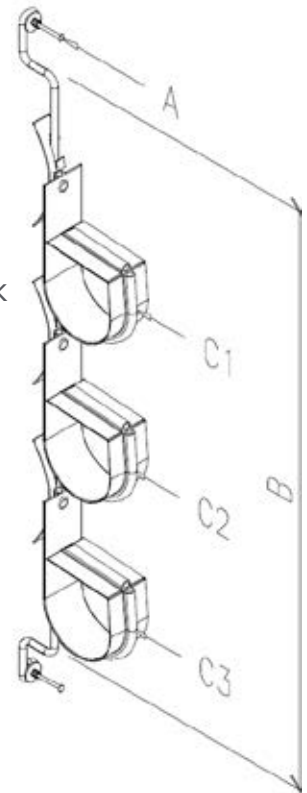
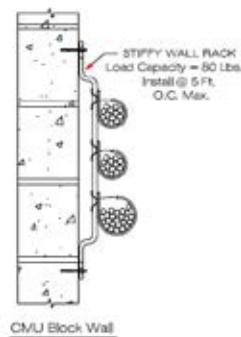
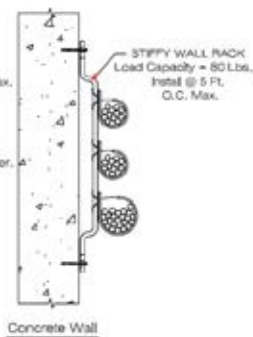
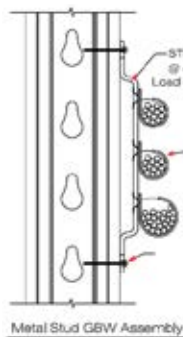
CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

It's What We Do!



Tip...Systems can be separated by color.

- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Saves space for coordination
- Install Fig 100 or Fig 200 where supports can not attach to wall
- Max load: 80 Lbs
- UL listed hardware
- UL listed for use in plenums
- 1" Offset from wall standard
- More than 5ea Comfort Cradles allowed as long as the load limitations listed above are not exceeded.
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data.
- Refer to page 28 for project building code and seismic requirements







Contractor:		Ship to Address:	
PO#		Order Date:	
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Tip...Value Engineer cable tray out of your project by using Stiffy wall mounted racks.

	A	B	C1	C2	C3	C4	Qty
Fig 202							
Fig 202							
Fig 202							

A		B		C1,2,3, & 4	
*00	No Fastener	Drop Length (Inches)		*00	No Cradle
*01	1-1/4" Power Actuated Pin—1" Embedment		1" Cradle	*01	1" Cradle
*02	1-1/2" Power Actuated Pin—1-1/4" Embed.			*02	2" Cradle
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)		2" Cradle	*03	3-1/2" Cradle
*03.1	3/8" x 3" Wedge Anchor (2" Embed)			*04	6" Cradle
*04	1/4" x 1-3/4" Concrete Screw Anchor		6" Cradle	R	Red
*04.1	3/8" x 1-3/4" Concrete Screw Anchor			B	Blue
*06.1	#14 x 2-1/2" 1/4" Dia. Hex Washer Head Self Driller		3-1/2" Cradle	G	Green
*08	Timberpin (Wood Applications)			Y	Yellow
*13	1-1/4" PowderPuff Pin—1" Embedment			BK	Black
*25	Other—Please Specify				

*Standard cradles come in white. Specify custom colors.

Example:
02 = White 2" Cradle
02R = Red 2" Cradle

Additional Fastener Options are Shown on Pages 19-21

Application Examples

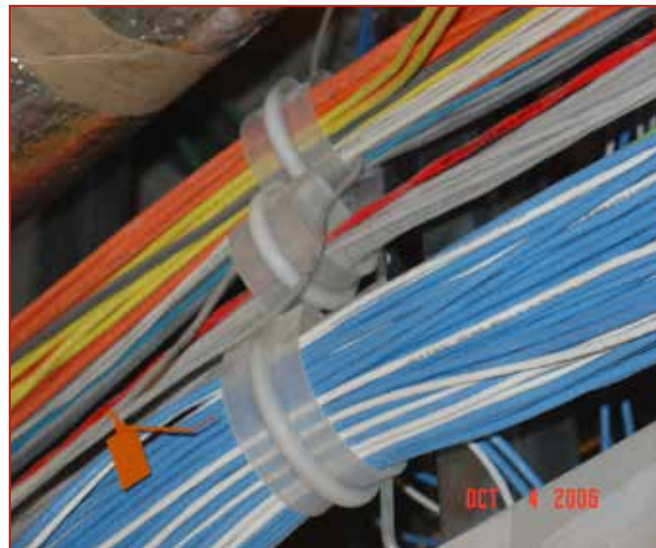


Fig. 202

ELECTRICAL/LOW VOLTAGE APPLICATIONS

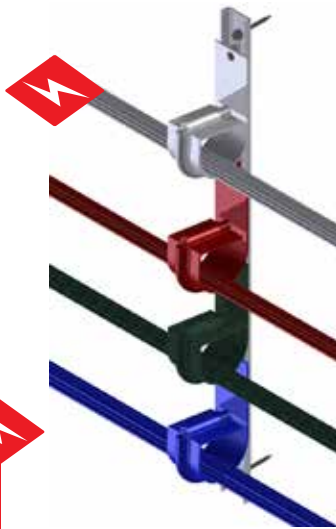


CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

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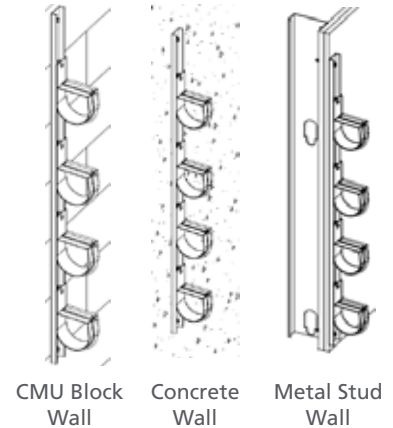
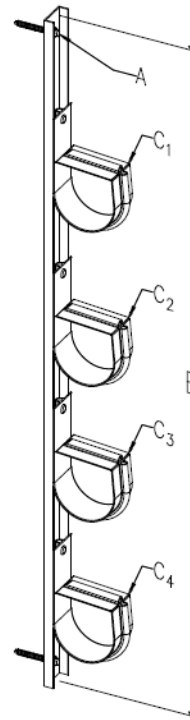
Fig. 203

Stiffy Fixed Wall Rack Support



Tip...Systems can be separated by color.

- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Saves space for coordination
- Install Fig 100 or Fig 200 where supports can not attach to wall
- Max load: 80 Lbs
- UL listed hardware
- UL listed for use in plenums
- 1" Offset from wall standard
- More than 5ea Comfort Cradles allowed as long as the load limitations listed above are not exceeded.
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data.
- Refer to page 28 for project building code and seismic requirements



Contractor:	Ship to Address:
PO#	Order Date:
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Tip...Value Engineer cable tray out of your project by using Stiffy wall mounted racks.

	A	B	C1	C2	C3	C4	Qty
Fig 203							
Fig 203							
Fig 203							

A		B		C1,2,3, & 4	
*00	No Fastener	Drop Length (Inches)		*00	No Cradle
*01	1-1/4" Power Actuated Pin—1" Embedment	1" Cradle	2" Cradle	*01	1" Cradle
*02	1-1/2" Power Actuated Pin—1-1/4" Embed.			*02	2" Cradle
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)	2" Cradle	3-1/2" Cradle	*03	3-1/2" Cradle
*03.1	3/8" x 3" Wedge Anchor (2" Embed)			*04	6" Cradle
*04	1/4" x 1-3/4" Concrete Screw Anchor	2" Cradle	6" Cradle	R	Red
*04.1	3/8" x 1-3/4" Concrete Screw Anchor			B	Blue
*06.1	#14 x 2-1/2" 1/4" Dia. Hex Washer Head Self Driller	3-1/2" Cradle		G	Green
*08	Timberpin (Wood Applications)			Y	Yellow
*13	1-1/4" PowderPuff Pin—1" Embedment	3-1/2" Cradle		BK	Black
*25	Other—Please Specify				

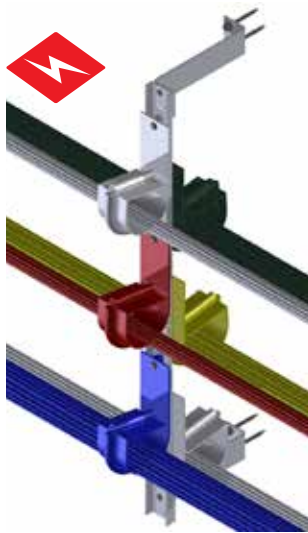
*Standard cradles come in white. Specify custom colors.

Example:
02 = White 2" Cradle
02R = Red 2" Cradle

Additional Fastener Options are Shown on Pages 19-21

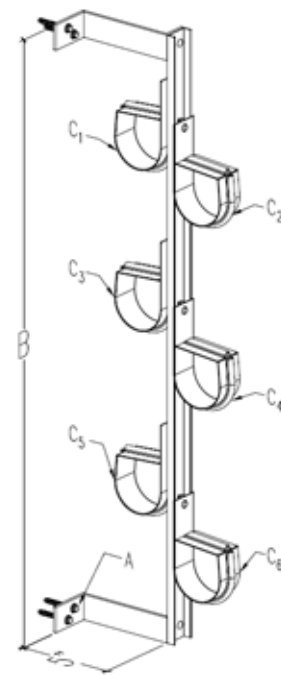
Fig. 204

Stiffy Double Wall Rack Support



Tip...Systems can be separated by color.

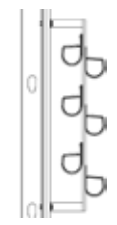
- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Saves space for coordination
- Install Fig 100 or Fig 200 where supports can not attach to wall
- Max load: 80 Lbs
- Refer to page 9 for project building and seismic requirements
- UL listed hardware
- UL listed for use in plenums
- 1" Offset from wall standard
- More than 5ea Comfort Cradles allowed as long as the load limitations listed above are not exceeded.
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data.
- Refer to page 28 for project building code and seismic requirements



Concrete Wall



CMU Block Wall



Metal Stud Wall

Tip...Value Engineer cable tray out of your project by using Stiffy wall mounted racks.

Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

	A	B	C1	C2	C3	C4	C5	C6	Qty
Fig 204									
Fig 204									
Fig 204									



A		B	C1,2,3,4,5 & 6	
*00	No Fastener	Drop Length (Inches)	*00	No Cradle
*01	1-1/4" Power Actuated Pin—1" Embedment	1" Cradle	*01	1" Cradle
*02	1-1/2" Power Actuated Pin—1-1/4" Embed.		*02	2" Cradle
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)	2" Cradle	*03	3-1/2" Cradle
*03.1	3/8" x 3" Wedge Anchor (2" Embed)		*04	6" Cradle
*04	1/4" x 1-3/4" Concrete Screw Anchor	6" Cradle	R	Red
*04.1	3/8" x 1-3/4" Concrete Screw Anchor		B	Blue
*06.1	#14 x 2-1/2" 1/4" Dia. Hex Washer Head Self Driller	3-1/2" Cradle	G	Green
*08	Timberpin (Wood Applications)		Y	Yellow
*13	1-1/4" PowderPuff Pin—1" Embedment		BK	Black
*25	Other—Please Specify			

*Standard cradles come in white. Specify custom colors.

Example:
02 = White 2" Cradle
02R = Red 2" Cradle

Additional Fastener Options are Shown on Pages 19-21

Fig. 205

Stiffy "Shorty" Comfort Cradle



Detail #1

Detail #2

Detail #3

Detail #4

Detail #5



Detail #6

Detail #7

Detail #8

Detail #9

Detail #10



Detail #11

Detail #12

Detail #13



Detail #14

Detail #15


Detail #16

- Nonconductive Plenum Rated 2" wide polypropylene Comfort Cradle with Locking Restraint Latch
- Max support spacing: 4-5' O.C.
- UL listed hardware
- UL listed for use in plenums
- Fill capacity for low voltage applications:
 - 1" cradle: Up to 15ea CAT5E or 11ea CAT6A. (70% Fill)
 - 2" cradle: Up to 61ea CAT5E or 46ea CAT6A. (70% Fill)
 - 3-1/2" cradle: Up to 187ea CAT5E or 141ea CAT6A. (70% Fill)
 - 6" cradle: Up to 550ea CAT5E or 417ea CAT6A. (70% Fill)
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 97 for technical data

Contractor:		Ship to Address:	
PO#		Order Date:	
**All Orders are Custom and Therefore Non-cancellable and Non-returnable			

	A	B	Qty
Fig 205			
Fig 205			
Fig 205			



A			B		
*01	Detail 1	No Fastener	*01	1" Cradle	
*02	Detail 2	#10 x 2-1/2" Hex Washer Head Self Driller	*02	2" Cradle	
*03	Detail 3	#10 x 2-1/2" Hex Washer Head Sharp Point	*03	3-1/2" Cradle	
*04	Detail 4	Wide Mouth Beam Clamp	*04	6" Cradle	
*05	Detail 5	Wide Mouth Beam Clamp - Rotates 360°			
*06	Detail 6	Hammer-on Beam Clamp 3/32"-9/64" Flange	R	Red	
*07	Detail 6	Hammer-on Beam Clamp 1/8"-1/4" Flange	B	Blue	
*08	Detail 6	Hammer-on Beam Clamp 5/16"-1/2" Flange	G	Green	
*09	Detail 6	Hammer-on Beam Clamp 9/16"-3/4" Flange	Y	Yellow	
*10	Detail 7	Hammer-on Beam Clamp 3/32"-9/64" Flange - Rotates 360°	BK	Black	
*11	Detail 7	Hammer-on Beam Clamp 1/8"-1/4" Flange - Rotates 360°			<p>*Standard cradles come in white. Specify custom colors.</p> <p>Example: 02 = White 2" Cradle 02R = Red 2" Cradle</p>
*12	Detail 7	Hammer-on Beam Clamp 5/16"-1/2" Flange - Rotates 360°			
*13	Detail 7	Hammer-on Beam Clamp 9/16"-3/4" Flange - Rotates 360°			
*14	Detail 8	Bar Joist Pull Down Clamp 1/16" - 1/4" Flange			
*15	Detail 9	Under Floor Support to 3/4" dia. Round Pedestal			
*16	Detail 10	Under Floor Support to Pedestal - Universal			
*17	Detail 11	Stiffy Hammer-on Beam Clamp 1/8" - 1/4" Flange			
*18	Detail 12	Stiffy Pull Down Beam Clamp 1/16" - 1/4" Flange			
*19	Detail 13	Stiffy Wood Pull Down Beam Clamp - Nominal 2" Lumber			
*20	Detail 14	Flat Mount with No Fastener			
*21	Detail 15	Flat Mount with Fastener #10 x 2-1/2" Hex Washer Head Self Driller			
*22	Detail 16	Flat Mount #10 x 2-1/2" Hex Washer Head Sharp Point			

Additional Fastener Options are Shown on Pages 19-21

Application Examples



Detail #1



Detail #2



Detail #3



Detail #4



Detail #5

Roates 360°



Detail #6



Detail #7

Roates 360°



Detail #8



Detail #9



Detail #10



Detail #11



Detail #12



Detail #13



Detail #14



Detail #15



Detail #16

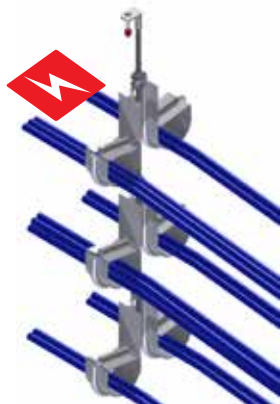


ELECTRICAL/LOW VOLTAGE APPLICATIONS

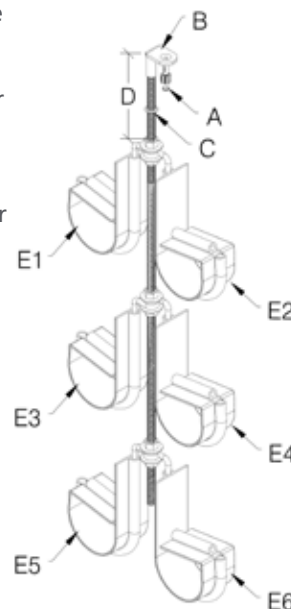


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




- Nonconductive Plenum Rated 2" wide polypropylene Comfort Cradle with Locking Restraint Latch
- Max support spacing: 4-5' O.C.
- The rigid connection eliminates the need to attach to ceiling grid per NEC Article 300-11
- Max load for support rod with Stiffy footprint: 70#
- Max load for support rod is governed by the attachment to structure when the all thread rod is attached to a Blue Banger Hanger or other anchor. (B=3)
- Max load for cradle: 50#
- Fill capacity for low voltage applications:
 - 1" cradle: Up to 15ea CAT5E or 11ea CAT6A. (70% Fill)
 - 2" cradle: Up to 61ea CAT5E or 46ea CAT6A. (70% Fill)
 - 3-1/2" cradle: Up to 187ea CAT5E or 141ea CAT6A. (70% Fill)
 - 6" cradle: Up to 550ea CAT5E or 417ea CAT6A. (70% Fill)
- Cradles are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- UL listed hardware
- UL listed for use in plenums



Contractor:				Ship to Address:			
PO#				Order Date:			
**All Orders are Custom and Therefore Non-cancellable and Non-returnable							



	A	B	C	D	E1	E2	E3	E4	E5	E6	Qty
Fig 206											
Fig 206											
Fig 206											

A		B		C	D	E1 - E6		
*00	No Fastener	*01		*011		Drop Length (Inches)	*01	1" Cradle
*01	1-1/4" Power Actuated Pin—1" Embedment (B=011) ¹			*02			2" Cradle	
*02	1-1/2" Power Actuated Pin—1-1/4" Embedment (B=011) ¹			*03			3-1/2" Cradle	
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)			<div>Minimum Dimensions:</div>  1" Cradle			*04	6" Cradle
*03.1	3/8" x 3" Wedge Anchor (2" Embed)							
*04	1/4" x 1-3/4" Concrete Screw Anchor	*012		*02			R	Red
*04.1	3/8" x 1-3/4" Concrete Screw Anchor						B	Blue
*06	#10 Hex Washer Head Self Driller						G	Green
*07	#10 Hex Washer Head Sharp Point						Y	Yellow
*08	Timberpin (Wood Applications)						BK	Black
*09	Wide Mouth Beam Clamp	*03		*04			*Standard cradles come in white. Specify custom colors. Example: 02 = White 2" Cradle 02R = Red 2" Cradle	
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)							
*13	1-1/4" PowderPuff Pin—1" Embedment (B=011) ¹							
*14	Stiffy Wood Pull Down Attachment	*10 Other-Please Specify		<div>Footnotes:</div> <div>1-When Power Actuated Fasteners (A=01, 02 or 13) and (B=01-90° Footprint) are selected the B=011 New Hard Concrete Footprint will be used by default.</div> <div>2-Hard Concrete Footprint B=011, is available in 1/4" and 3/8".</div> <div>3-C=03 1/2" All Thread rod is available with the B=03 threaded footprint only.</div>				
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange							
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange							
*25	Other—Please Specify							

Additional Fastener Options are Shown on Pages 19-21

Application Examples

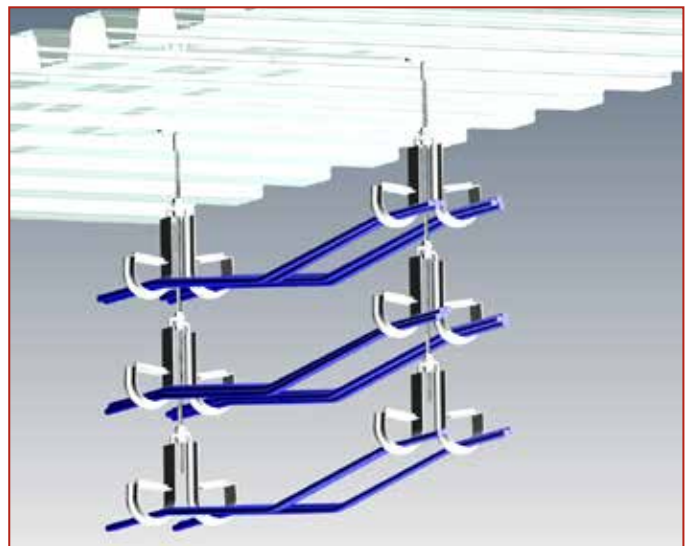
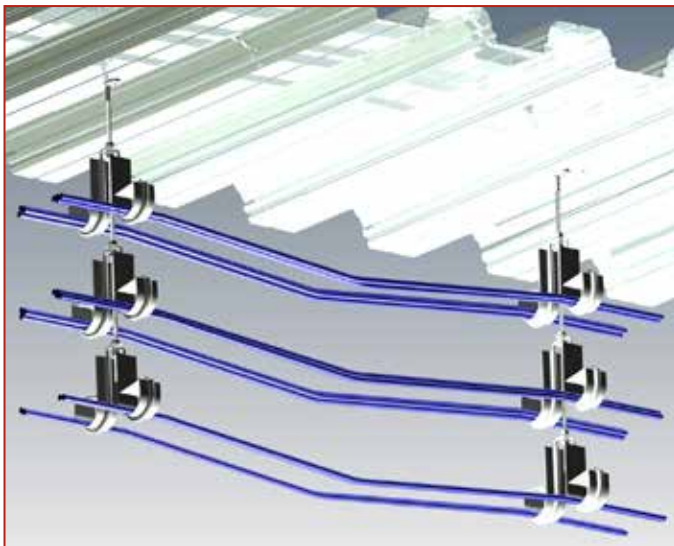


Fig. 206

ELECTRICAL/LOW VOLTAGE APPLICATIONS

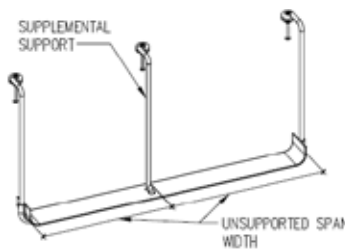
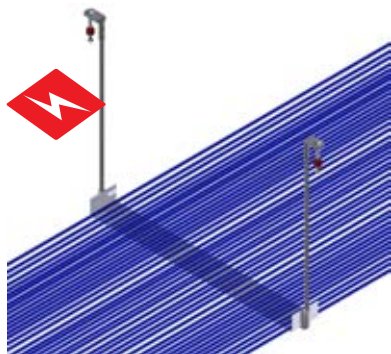


CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

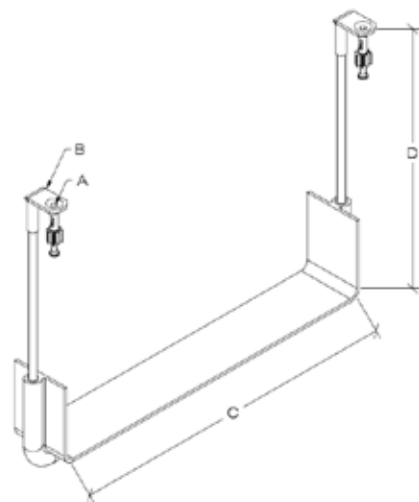
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Fig. 220

Stiffy Low Voltage Trapeze



- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Max support spacing: 4-5' O.C.
- Max load per trapeze: 50 Lbs (Refer to table below)
- UL listed hardware for use in plenums
- Trapezes are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 28 for project building code and seismic requirements








Contractor:		Ship to Address:	
PO#		Order Date:	
**All Orders are Custom and Therefore Non-cancellable and Non-returnable			

Max Capacity Based on Span	
12" Span	50#
14" Span	40#
16" Span	30#
18" Span	20#
*Add supplemental support to reduce max unsupported span width	

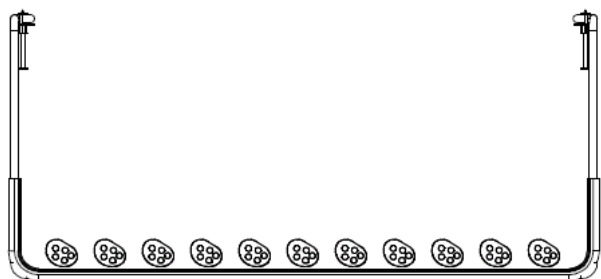
	A	B	C (12" Typ.)	D	E	*F	Qty
Fig 220							
Fig 220							
Fig 220							
*Standard trapezes come in white.							



A		B		C	D	E	F			
*00	No Fastener	*01	 90° Footprint	*011	Width (Inches)	Drop Length (Inches)	Supplemental Support		*01	White
*01	1-1/4" Power Actuated Pin—1" Embedment	 Gas Tool Footprint	 Sidemount Footprint	Hard Concrete Footprint			*01	Yes	*02	Red
*02	1-1/2" Power Actuated Pin—1-1/4" Embed				*02	No	*03	Blue		
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)				 Threaded End (1/2" of Threads)	 Straight Rod	*04	Green		
*03.1	3/8" x 3" Wedge Anchor (2" Embed)						*05	Yellow		
*04	1/4" x 1-3/4" Concrete Screw Anchor						*06	Black		
*04.1	3/8" x 1-3/4" Concrete Screw Anchor						*10 Other—Please Specify			
*06	#10 Hex Washer Head Self Driller									
*07	#10 Hex Washer Head Sharp Point									
*08	Timberpin (Wood Applications)									
*09	Wide Mouth Beam Clamp									
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)									
*13	1-1/4" PowderPuff Pin—1" Embedment									
*14	Stiffy Wood Pull Down Attachment									
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange									
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange									
*25	Other—Please Specify									

Additional Fastener Options are Shown on Pages 19-21

Application Examples

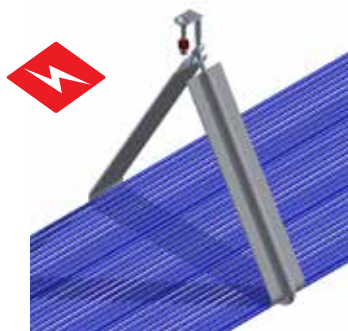


CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

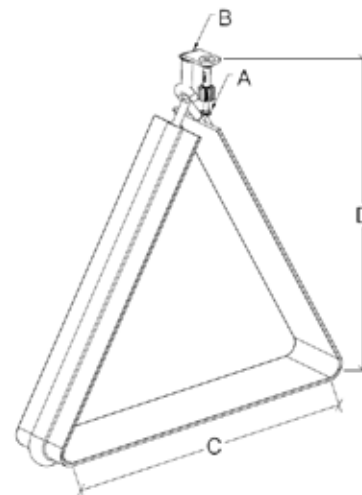
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Fig. 222

Stiffy Low Voltage Triangle Trapeze



- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Triangle unlocks to allow cables to be added after installation.
- Max support spacing: 4-5' O.C.
- Max load per trapeze: 50 Lbs (Refer to table below)
- UL listed hardware
- UL listed for use in plenums
- Trapezes are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 28 for project building code and seismic requirements









Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

Max Capacity Based on Span	
12" Span	50#
14" Span	40#
16" Span	30#
18" Span	20#

	A	B	C (12" Typ.)	D	*E	Qty
Fig 222						
Fig 222						
Fig 222						

*Standard trapezes come in white.



A		B		C	D	E			
*00	No Fastener	<div><div></div><div>90° Footprint</div></div>	<div><div></div><div>Hard Concrete Footprint</div></div>	Width (Inches)	Drop Length (Inches)	*01	White		
*01	1-1/4" Power Actuated Pin—1" Embedment					*02	Red		
*02	1-1/2" Power Actuated Pin—1-1/4" Embed			<div><div></div><div>Gas Tool Footprint</div></div>	<div><div></div><div>Sidemount Footprint</div></div>			*03	Blue
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)							*04	Green
*03.1	3/8" x 3" Wedge Anchor (2" Embed)	*05	Yellow						
*04	1/4" x 1-3/4" Concrete Screw Anchor	*06	Black						
*04.1	3/8" x 1-3/4" Concrete Screw Anchor	<div><div></div><div>Threaded End (1/2" of Threads)</div></div>	<div><div></div><div>Straight Rod</div></div>						
*06	#10 Hex Washer Head Self Driller			*10 Other-Please Specify					
*07	#10 Hex Washer Head Sharp Point								
*08	Timberpin (Wood Applications)								
*09	Wide Mouth Beam Clamp								
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)								
*13	1-1/4" PowderPuff Pin—1" Embedment								
*14	Stiffy Wood Pull Down Attachment								
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange								
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange								
*25	Other—Please Specify								

Additional Fastener Options are Shown on Pages 19-21

Application Examples



Fig. 222



ELECTRICAL/LOW VOLTAGE APPLICATIONS



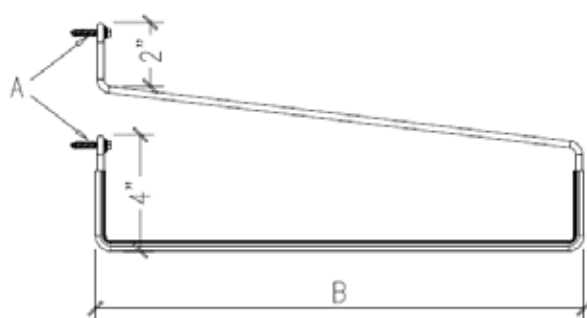
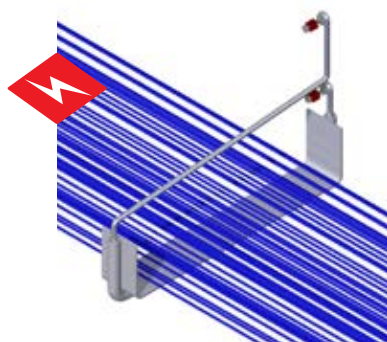
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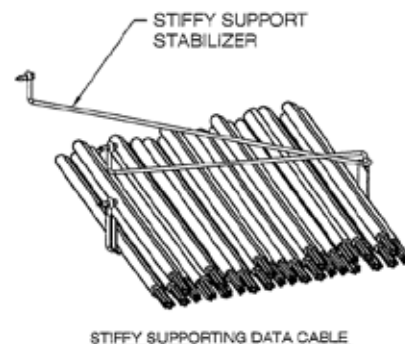
Fig. 223

Stiffy Wall Mount Trapeze

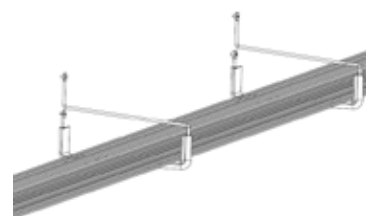


Max Capacity Based on Span	
12" Span	50#
14" Span	40#
16" Span	30#
18" Span	20#

- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Saves space for coordination
- Max load: 50# (Refer to table below)
- UL listed hardware
- UL listed for use in plenums
- Trapezes are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 28 for project building code and seismic requirements



Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	



	A	B	C	*D	Qty
Fig 223					
Fig 223					
Fig 223					
*Standard trapezes come in white.					



A		B	C		D
*00	No Fastener	Width (Inches)	Stabilizer Arm		*01 White
*01	1-1/4" Power Actuated Pin—1" Embedment		*00	No Stabilizer Arm	*02 Red
*02	1-1/2" Power Actuated Pin—1-1/4" Embed.		*01	Stud Spacing 16" O.C.	*03 Blue
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)		*02	Stud Spacing 24" O.C.	*04 Green
*03.1	3/8" x 3" Wedge Anchor (2" Embed)				*05 Yellow
*04	1/4" x 1-3/4" Concrete Screw Anchor				*06 Black
*04.1	3/8" x 1-3/4" Concrete Screw Anchor				
*06.1	1/4" x 2-1/2" Hex Washer Head Self Driller				
*07	#14 x 2-1/2" 2-1/2" Hex Washer Head Sharp Point				
*08	Timberpin (Wood Applications)				
*13	1-1/4" PowderPuff Pin—1" Embedment				
*25	Other—Please Specify				

Stabilizer Arm recommended for wide trapezes to provide stability when pulling cable.

Additional Fastener Options are Shown on Pages 19-21

Application Examples

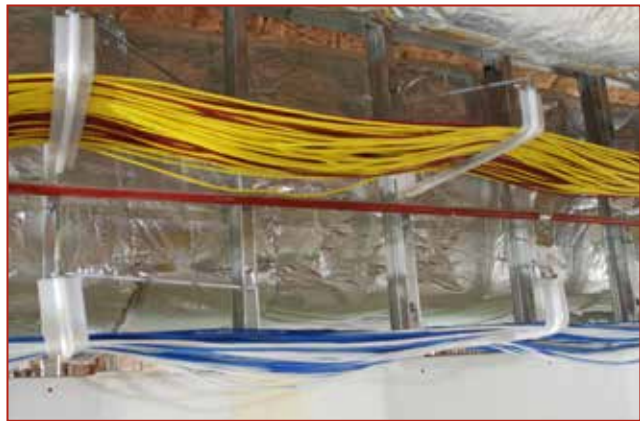


Fig. 223



ELECTRICAL/LOW VOLTAGE APPLICATIONS



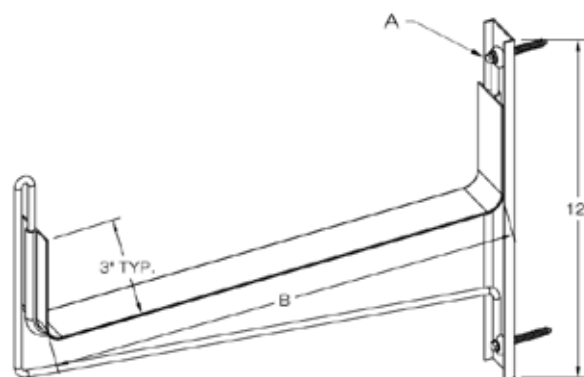
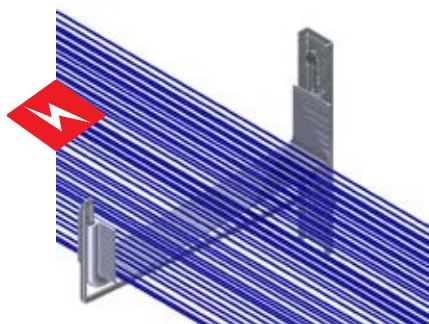
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Fig. 224

Stiffy Wall Mount Trapeze



- Replaces expensive Cable Tray and Eliminates Seismic Bracing.
- Saves space for coordination
- Max load: 50# (Refer to table below)
- UL listed hardware
- UL listed for use in plenums
- Trapezes are available in RED, WHITE, BLUE, GREEN, YELLOW and BLACK
- 2" Wide Cradle offers exceptional support and reduces crimping.
- Ideal for use with CAT 5e, CAT 6, CAT 6A, CAT 7 and Fiber Optic Cables
- Refer to page 28 for project building code and seismic requirements



Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

Max Capacity Based on Span	
12" Span	50#
14" Span	40#
16" Span	30#
18" Span	20#

	A	B	C	*D	Qty
Fig 224					
Fig 224					
Fig 224					
*Standard trapezes come in white.					

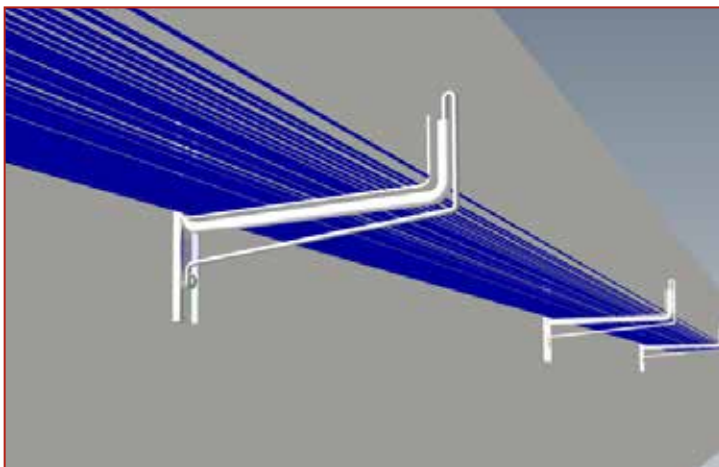
A		B	C	D	
*00	No Fastener	Width (Inches)	Depth (Inches)	*01	White
*01	1-1/4" Power Actuated Pin—1" Embedment		(3" Typical)	*02	Red
*02	1-1/2" Power Actuated Pin—1-1/4" Embed.			*03	Blue
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)			*04	Green
*03.1	3/8" x 3" Wedge Anchor (2" Embed)			*05	Yellow
*04	1/4" x 1-3/4" Concrete Screw Anchor			*06	Black
*04.1	3/8" x 1-3/4" Concrete Screw Anchor				
*06.1	1/4" x 2-1/2" Hex Washer Head Self Driller				
*07	#14 x 2-1/2" 1-1/2" Hex Washer Head Sharp Point				
*08	Timberpin (Wood Applications)				
*13	1-1/4" PowderPuff Pin—1" Embedment				
*25	Other—Please Specify				

Additional Fastener Options are Shown on Pages 19-21

Application Examples

Fig. 224

ELECTRICAL/LOW VOLTAGE APPLICATIONS



CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

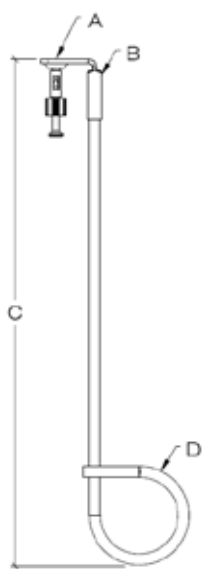
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Fig. 240

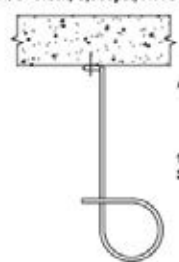
Stiffy Bridle Ring



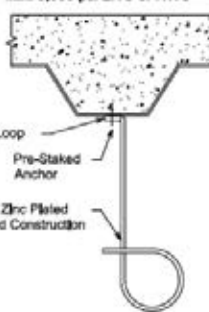
Shown with
PowderPuff Pin A=13
and Hard Concrete
Footprint B=011



Form Pour Slab
Min. 3" Thick, 3,000psi, NWC



3" Metal Deck, Min. 20 Ga., With
Min. 3,000 psi LWC or NWC



Wood Structural Deck



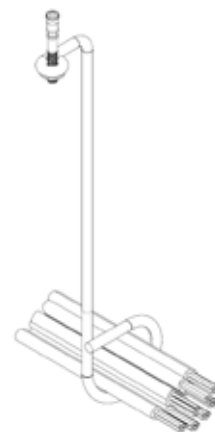
- Zinc plated rod for corrosion resistance
- Max static load: 25#
- Max support spacing: 4-5' O.C.
- UL listed hardware







Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

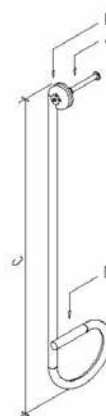
	A	B	C	D	Qty
Fig 240					
Fig 240					
Fig 240					



A=03 B=01



A		B		C	D	
*00	No Fastener	<div>*01</div> <div>90° Footprint</div>	<div>*011</div> <div>Hard Concrete Footprint</div>	Drop Length (Inches)	*01	2" Ring
*01	1-1/4" Power Actuated Pin—1" Embedment				*02	3" Ring
*02	1-1/2" Power Actuated Pin—1-1/4" Embed				*03	4" Ring
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)				*04	5" Ring
*03.1	3/8" x 3" Wedge Anchor (2" Embed)				*05	6" Ring
*04	1/4" x 1-3/4" Concrete Screw Anchor	<div>*012</div> <div>Gas Tool Footprint</div>	<div>*02</div> <div>Sidemount Footprint</div>			
*04.1	3/8" x 1-3/4" Concrete Screw Anchor					
*06	#10 Hex Washer Head Self Driller					
*07	#10 Hex Washer Head Sharp Point					
*08	Timberpin (Wood Applications)					
*09	Wide Mouth Beam Clamp	<div>*03</div> <div>Threaded End (1/2" of Threads)</div>	<div>*04</div> <div>Straight Rod</div>			
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)					
*13	1-1/4" PowderPuff Pin—1" Embedment					
*14	Stiffy Wood Pull Down Attachment					
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange					
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange	*10 Other—Please Specify				
*25	Other—Please Specify					



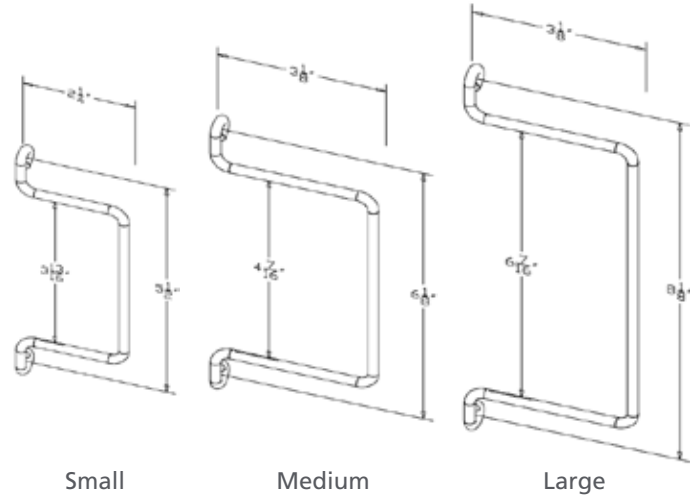
Additional Fastener Options are Shown on Pages 19-21

Fig. 241

Stiffy D Ring



- A quick and cost effective way to route, support and secure cables and jumpers in terminal closets
- Guides cables vertically on walls
- 1/4" zinc coated rod to resist corrosion



Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	

	A	B	Qty
Fig 241			
Fig 241			
Fig 241			

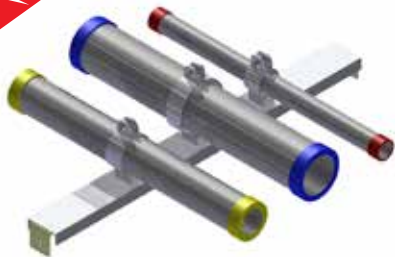


A		B	
*00	No Fastener	*01	Small D-Ring
*01	1-1/4" Power Actuated Pin—1" Embedment	*02	Medium D-Ring
*02	1-1/4" Power Actuated Pin—1-1/4" Embed.	*03	Large D-Ring
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)	To order custom sizes please refer to the Fig 121 Order Form	
*03.1	3/8" x 3" Wedge Anchor (2" Embed)		
*04	1/4" x 1-3/4" Concrete Screw Anchor		
*04.1	3/8" x 1-3/4" Concrete Screw Anchor		
*06	#10 2-1/2" Hex Washer Head Self Driller		
*07	#10 2-1/2" Hex Washer Head Sharp Point		
*08	Timberpin (Wood Applications)		
*25	Other—Please Specify		

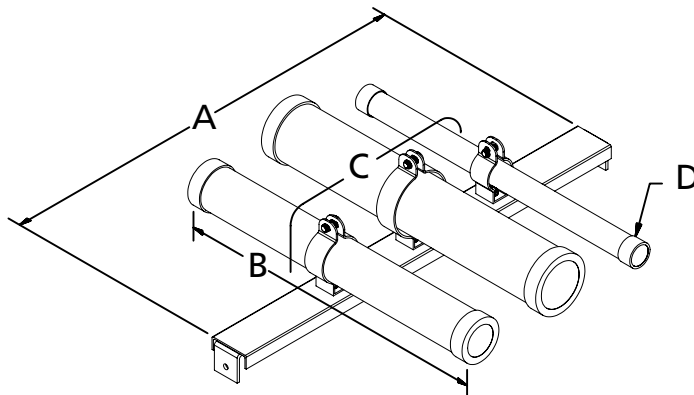
Additional Fastener Options are Shown on Pages 10 - 12

Fig. 250

Stiffy Wall Sleeves



- Allows the cabling installer to run cable before drywall is installed.
- Insulating Bushings can be color coded to identify specific cabling systems.
- Wall Sleeves can be ordered in any width or orientation to suit project requirements.
- Engineered submittal documents stamped by an engineer.

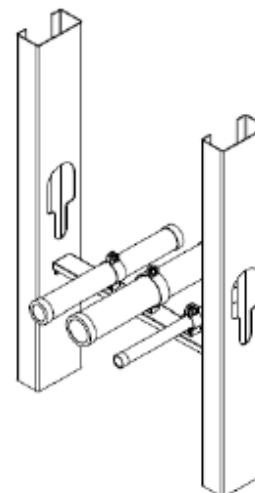


Contractor:	Ship to Address:
PO#	Order Date:
**All Orders are Custom and Therefore Non-cancellable and Non-returnable	



	A	B	C1	D1	C2	D2	C3	D3	C4	D4	C5	D5	C6	D6	Qty
Fig 250															
Fig 250															
Fig 250															

A		B	C1-6		D1-6	
*01	16" Wide	Sleeve Length (Inches)	*01	1/2" EMT	*00	No Bushing
*02	24" Wide		*02	3/4" EMT	*01	White Bushing (Standard)
*03	Other		*03	1" EMT	*01R	Red Bushing
			*04	1-1/4" EMT	*01B	Blue Bushing
			*05	1-1/2" EMT	*01G	Green Bushing
			*06	2" EMT	*01Y	Yellow Bushing
			*07	2-1/2" EMT	*01BL	Black Bushing
			*08	3" EMT		
			*09	3-1/2" EMT		
			*10	4" EMT		



Application Examples

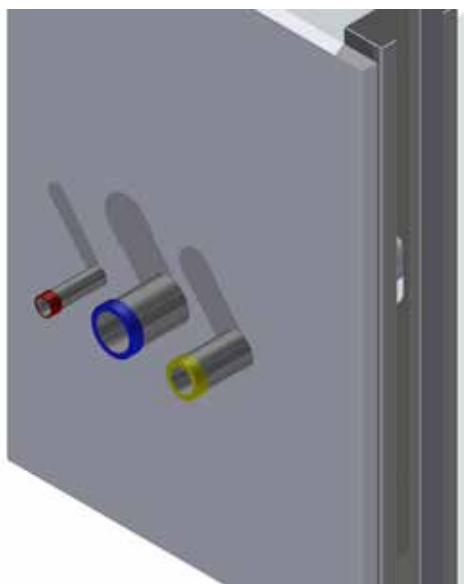
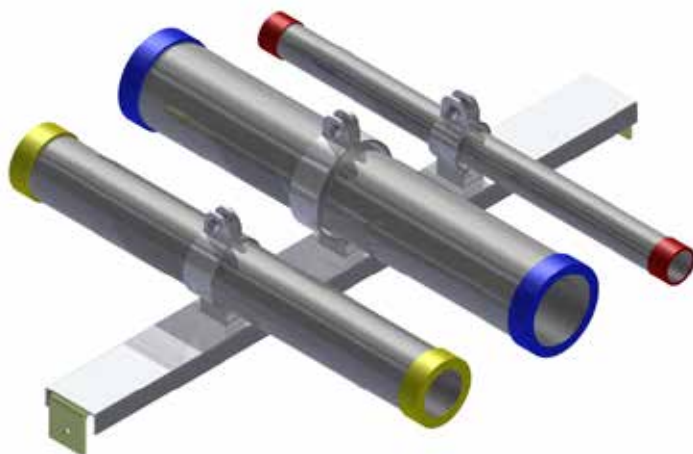
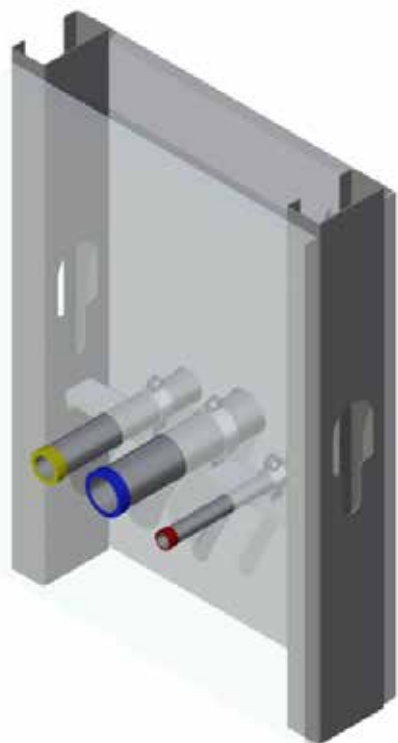


Fig. 250



ELECTRICAL/LOW VOLTAGE APPLICATIONS



CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

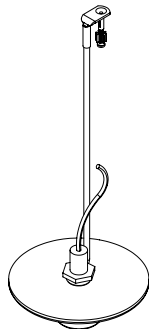
It's What We Do!

Fig. 251

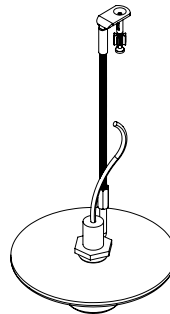
Stiffy DAS Antenna Support



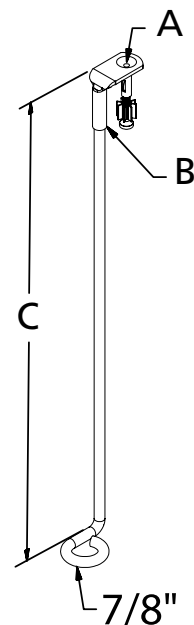
- Dramatically reduces the installation time of DAS Antennas
- Supports can be ordered as a fixed length or adjustable with threaded rod
- Zinc plated rod for corrosion resistance.
- Max load: 70# per support
- Engineered submittal documents stamped by an engineer
- Refer to project building code to determine max weight/LF without seismic restraints



Fixed Length
Version Shown D=01









Threaded Adjustable
Version Shown D=02



Contractor:		Ship to Address:	
PO#		Order Date:	
**All Orders are Custom and Therefore Non-cancellable and Non-returnable			

	A	B	C	D	Qty
Fig 251					
Fig 251					
Fig 251					

A		B		C	D		
*00	No Fastener	<div>*01</div> <div>90° Footprint</div>	<div>*011</div> <div>Hard Concrete Footprint</div>	Drop Length (Inches)	*01	Fixed Length	
*01	1-1/4" Power Actuated Pin—1" Embedment				*02	Threaded Adjustable Version	
*02	1-1/2" Power Actuated Pin—1-1/4" Embed			<div>*012</div> <div>Gas Tool Footprint</div>	<div>*02</div> <div>Sidemount Footprint</div>	<div>Footnotes:</div> <div>1-When Power Actuated Fasteners (A=01, 02 or 13) and (B=01-90° Footprint) are selected the B=011 New Hard Concrete Footprint will be used by default.</div> <div>2-Hard Concrete Footprint B=011, is available in 1/4" and 3/8".</div> <div>3-D=02 1/2" All Thread rod is available with the B=03 threaded footprint only.</div>	
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)						
*03.1	3/8" x 3" Wedge Anchor (2" Embed)						
*04	1/4" x 1-3/4" Concrete Screw Anchor						
*04.1	3/8" x 1-3/4" Concrete Screw Anchor						
*06	#10 Hex Washer Head Self Driller						
*07	#10 Hex Washer Head Sharp Point						
*08	Timberpin (Wood Applications)						
*09	Wide Mouth Beam Clamp						
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)	<div>*03</div> <div>Threaded End (1/2" of Threads)</div>	<div>*04</div> <div>Straight Rod</div>				
*13	1-1/4" PowderPuff Pin—1" Embedment						
*14	Stiffy Wood Pull Down Attachment						
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange						
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange	*10 Other-Please Specify					
*25	Other—Please Specify						

Additional Fastener Options are Shown on Pages 19-21

Application Examples

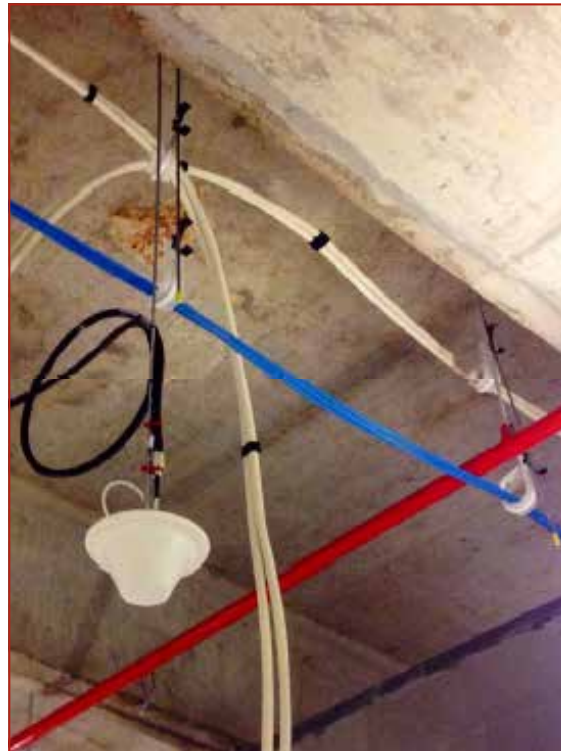


Fig. 251



ELECTRICAL/LOW VOLTAGE APPLICATIONS

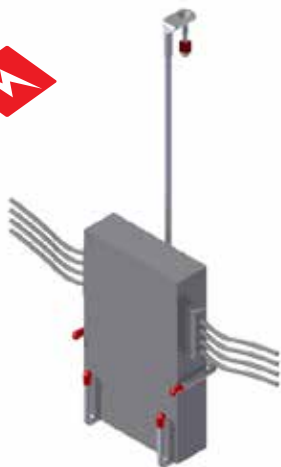


CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

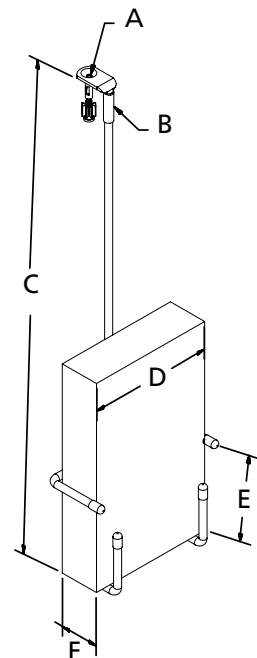
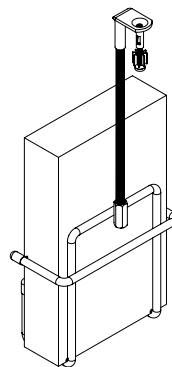
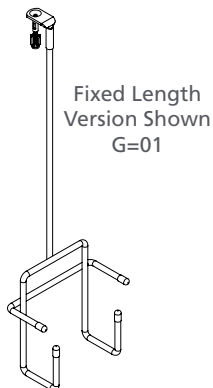
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Fig. 252

Stiffy Module Support









- Dramatically reduces the installation time of Modules
- Supports can be ordered as a fixed length or adjustable with threaded rod
- Supports are custom sized for the specific application
- Zinc plated rod for corrosion resistance.
- Max load: 70# per support
- Engineered submittal documents stamped by an engineer
- Refer to project building code to determine max weight/LF without seismic restraints



Contractor:		Ship to Address:	
PO#		Order Date:	
**All Orders are Custom and Therefore Non-cancellable and Non-returnable			

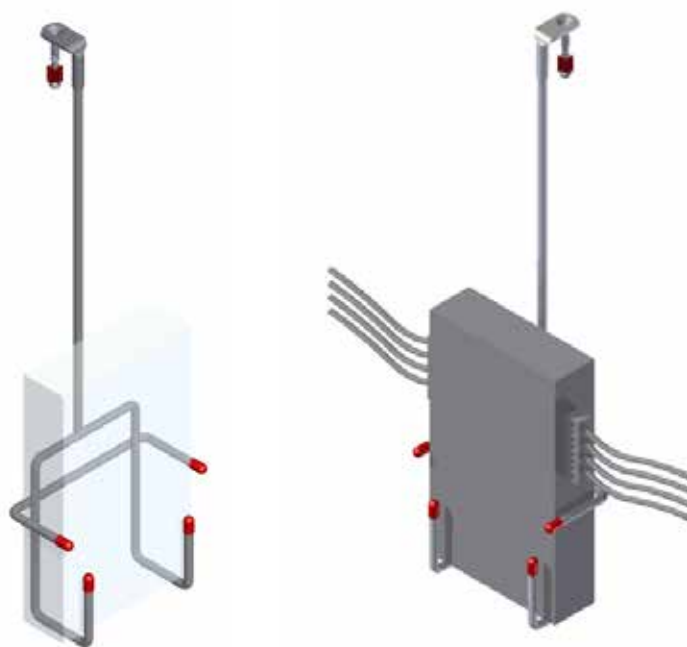


	A	B	C	D	E	F	G	Qty
Fig 252								
Fig 252								
Fig 252								

A		B		C	D	E	F	G	
*00	No Fastener	<div>*01</div>  <div>90° Footprint</div>	<div>*011</div>  <div>Hard Concrete Footprint</div>	Drop Length (Inches)	Opening Width (Inches)	Opening Height (Inches)	Opening Depth (Inches)	*01	Fixed Length
*01	1-1/4" Power Actuated Pin—1" Embedment							*02	Threaded Adjustable Version
*02	1-1/2" Power Actuated Pin—1-1/4" Embed								
*03	1/4" x 3-1/4" Wedge Anchor (2" Embed)								
*03.1	3/8" x 3" Wedge Anchor (2" Embed)	<div>*012</div>  <div>Gas Tool Footprint</div>	<div>*02</div>  <div>Sidemount Footprint</div>	Footnotes: 1-When Power Actuated Fasteners (A=01, 02 or 13) and (B=01-90° Footprint) are selected the B=011 New Hard Concrete Footprint will be used by default. 2-Hard Concrete Footprint B=011, is available in 1/4" and 3/8". 3-G=02 1/2" All Thread rod is available with the B=03 threaded footprint only.					
*04	1/4" x 1-3/4" Concrete Screw Anchor								
*04.1	3/8" x 1-3/4" Concrete Screw Anchor								
*06	#10 Hex Washer Head Self Driller								
*07	#10 Hex Washer Head Sharp Point								
*08	Timberpin (Wood Applications)								
*09	Wide Mouth Beam Clamp								
*12	Adjustable Hammer-on BC Rotates 360° Specify Flange Thickness)			<div>*03</div>  <div>Threaded End (1/2" of Threads)</div>	<div>*04</div>  <div>Straight Rod</div>				
*13	1-1/4" PowderPuff Pin—1" Embedment								
*14	Stiffy Wood Pull Down Attachment								
*16	Hammer-on Beam Clamp 1/8" - 3/4" Flange								
*17	Bar Joist Pull Down Clamp 1/16" - 1/4 Flange	*10 Other-Please Specify							
*25	Other—Please Specify								

Additional Fastener Options are Shown on Pages 19-21

Application Examples



The order dimensions for the module shown are D=5.25 E=3.375 F=2.25



CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

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