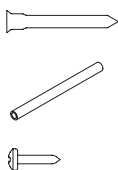


Wall Hung L-Shelf

Parts List - Hardware

- (A) 2TR4049
SCR,CONF 7.0 mm X 50.0 mm
- (B) 6TP40256
SUPPORT RODS
- (C) SCREW NOT SUPPLIED
BY KNOLL
- 

Tools Needed

- Measuring Tape
8/16" Diameter Drill
Square Drive Screw Driver

Refer to "Wall Mounting of Knoll Products"

L-Shelf Assembly

1. Position the back panel and shelf taking care to align the hole patterns. (Fig. 2)
2. Secure the back panel to the shelf using fastener (A) in the small diameter (7.0 mm) drillings. (Fig. 2)
3. Using a hammer, insert the stiffening rods (B) into the remaining large (9.0 mm) drillings. (Fig. 2)

Wall Cleat Attachment

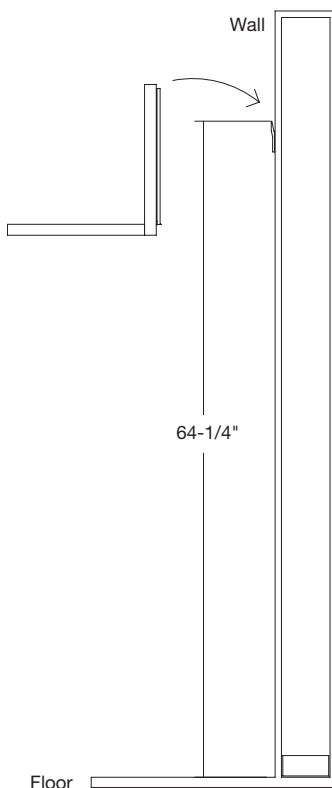
1. To position the overhead at the appropriate height, the wall rail top edge needs to be 64-1/4" (Fig. 3) from the highest point off the floor. Based on the horizontal position required, the wall rail should be inset approximately 4" (Fig. 4) from the outside end of the unit. Mark the wall to locate the wall rail location based on these requirements.

Note: If the L-shelf is to align with adjacent products, such as a floor standing cabinet. The recommended vertical dimensions may need to be modified by any floor levelling (High vs. Low) conditions.

2. Begin attaching the wall rail with fastener (C) starting at either end and a second fastener (C) at the other end while ensuring the rail stays level horizontally. Once both ends are levelled and secured, insert the remaining (C) fasteners to complete attachment.

Attachment of Overhead Bridge to Support Units

1. Gently lower the unit into place while aligning the factory installed rail with the site installed rail.



Wall Rail Vertical Location

Fig. 3

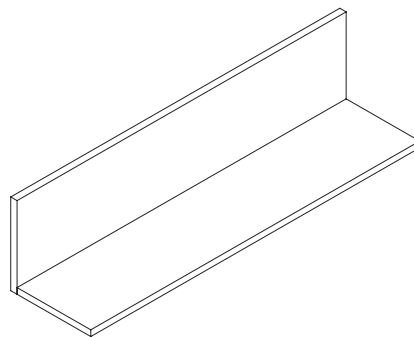


Fig. 1

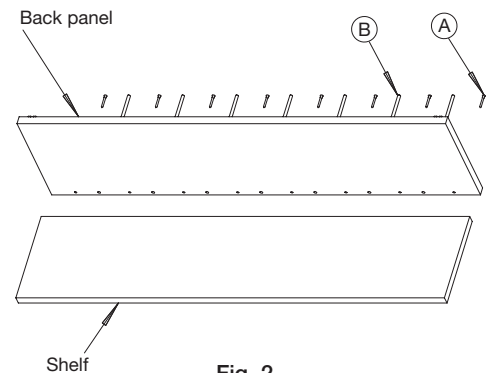
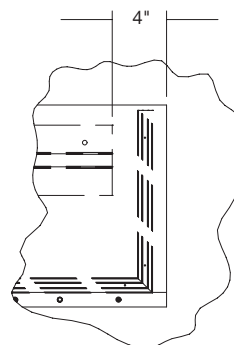


Fig. 2



Wall Rail Horizontal Location

Fig. 4

Wall Mounting of Knoll Products

Wall Mounting Suggestions

The following information is provided only as a guide, and represents minimum recommendations only. Knoll does not accept responsibility for the attachment of any Knoll product to a Customer's site wall. Wall specification/construction is the responsibility of the Customer and its structural engineer/architect. Failure to properly attach Knoll products to adequate wall structures can lead to property damage and/or personal injury.

You should consult your own structural engineers and/or architects and must not rely on the information provided herein.

It is the responsibility of the Customer and its structural engineers/architects to verify that the permanent structural walls (studs, blocks, solid masonry, etc.) on which the Knoll products are intended to be mounted are designed appropriately to support the product weight, PLUS 3 lbs. per linear inch for each useable shelf length

NOTE: A cabinet's top is considered a "useable shelf" and MUST be included in the calculation of the total load for an overhead cabinet.

It is the responsibility of the Customer and its structural engineer/architects to specify the fasteners and method for attaching the Knoll supplied wall mounting cleat, bracket, frame, etc. to the supporting wall and to confirm that the installers have adhered to these specifications. For all local building standards and codes, and additional requirements (including, but not limited to, seismic conditions) the Customer should always consult local code agencies.

Wall Mounting of Knoll Products

		EXISTING CONSTRUCTION				
	NEW CONSTRUCTION	Cinder Block or Poured Concrete Masonry Wall	Wood Stud Wall, the studs being FULL HEIGHT to the roof/floor above	Wood Stud Wall, the studs being only Ceiling Height	Steel Stud Wall, the studs being FULL HEIGHT to the roof/floor above	Steel Stud Wall, the studs being only Ceiling Height
Stud Specification	Wood studs, grade #2 or better, 3 1/2" minimum width, OR Metal studs, minimum 25 gage thickness, 3 5/8" minimum width	The wall must be a minimum of 6" thick, and must be full height to the roof/ floor structure above	Wood studs must be Grade #2, or better, 3 1/2" minimum width	Wood studs must be Grade #2, or better, 3 1/2" minimum width	Metal studs must be minimum 25 gage thickness, 3 5/8" minimum width	Metal studs must be minimum 25 gage thickness, 3 5/8" minimum width
Stud Centers	Metal and wood studs must be spaced at 16" c/c maximum	N/A	Wood studs must be spaced at 16" c/c maximum	Wood studs must be spaced at 16" c/c maximum"	Metal studs must be spaced at 16" c/c maximum	Metal studs must be spaced at 16" c/c maximum
Stud Height	Metal and wood studs must extend upwards, and be securely attached to the roof/ floor structure above			Wood studs must be braced above the ceiling, and be securely attached to the roof/floor structure above Affix #2 grade 'cap' across the top of the studs, then place diagonal studs from the top cap up to underside of the roof/ floor structure above		Metal studs must be braced above the ceiling, and be securely attached to the roof/floor structure above Affix metal bracing 'cap' across the top of the studs, then place diagonal studs from the top cap up to underside of the roof / floor structure above
Mounting the Knoll Supplied Cleat, Bracket, Frame, etc*	Insert a 2" X 6" wood block, #2 grade or better, [or a Danback™ flexible wood backing system] horizontally between each of the studs to accommodate the full width of the cabinet, and beyond to the next stud. Fasten the wood block to each stud using three screws at the ends of each block. (Fasten the Danback™ as directed by the manufacturer) Fasten the Knoll supplied wall mounting cleat, bracket, frame, etc directly to each wood block every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wood blocking every 6", and fasten the lower horizontal element to each wall stud, using one fastener per stud.	Fasten the Knoll supplied cabinet wall mounting cleat, bracket, frame, etc. directly to the masonry wall every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wall every 6", and fasten the lower horizontal element to the wall every 16" Replace the drywall and repair as desired.	In the desired location of the cabinet mounting rail, remove an 8" high section of drywall the width of the cabinet, and beyond to the next stud. Insert a 2" X 6" wood block, #2 grade or better, horizontally between each of the exposed studs. Fasten the wood block to each stud using three screws at the ends of each block. Replace the drywall and repair as desired. Fasten the Knoll supplied wall mounting cleat, rail, frame, etc directly to the wood block every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wood blocking every 6", and fasten the lower horizontal element to each wall stud, using one fastener per stud.	In the desired location of the cabinet mounting rail, remove an 8" high section of drywall the width of the cabinet, and beyond to the next stud. Insert a 2" X 6" wood block, #2 grade or better, horizontally between each of the exposed studs. Fasten the wood block to each stud using three screws at the ends of each block. Replace the drywall and repair as desired. Fasten the Knoll supplied wall mounting cleat, rail, frame, etc directly to the wood block every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wood blocking every 6", and fasten the lower horizontal element to each wall stud, using one fastener per stud.	In the desired location of the cabinet mounting rail, remove an 8" high section of drywall the width of the cabinet, and beyond to the next stud. Insert a 2" X 6" wood block, #2 grade or better, [or a Danback™ flexible wood backing system] horizontally between each of the exposed studs. Fasten the wood block to each stud using three screws at the ends of each block. Replace the drywall and repair as desired. Fasten the Knoll supplied wall mounting cleat, rail, frame, etc directly to the wood block every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wood blocking every 6", and fasten the lower horizontal element to each wall stud, using one fastener per stud.	In the desired location of the cabinet mounting rail, remove an 8" high section of drywall the width of the cabinet, and beyond to the next stud. Insert a 2" X 6" wood block, #2 grade or better, [or a Danback™ flexible wood backing system] horizontally between each of the exposed studs. Fasten the wood block to each stud using three screws at the ends of each block. Replace the drywall and repair as desired. Fasten the Knoll supplied wall mounting cleat, rail, frame, etc directly to the wood block every 6" For wall mounting structures that have a rectangular frame-like configuration: fasten the top horizontal element of the frame to the wood blocking every 6", and fasten the lower horizontal element to each wall stud, using one fastener per stud.
*Graham Wall Hung Shelf	The Graham Wall Hung Shelf Bracket (and others like it) requires full support behind the full height of the bracket This should be accomplished by insertion of additional 2"X 6" wood blocking between the studs as defined above	Fasten the Knoll supplied wall mounting brackets directly to the masonry wall, using the holes provided in each bracket	The Graham Wall Hung Shelf Bracket (and others like it) requires full support behind the full height of the bracket This should be accomplished by insertion of additional 2"X 6" wood blocking between the studs as defined above	The Graham Wall Hung Shelf Bracket (and others like it) requires full support behind the full height of the bracket This should be accomplished by insertion of additional 2"X 6" wood blocking between the studs as defined above	The Graham Wall Hung Shelf Bracket (and others like it) requires full support behind the full height of the bracket This should be accomplished by insertion of additional 2"X 6" wood blocking between the studs as defined above	The Graham Wall Hung Shelf Bracket (and others like it) requires full support behind the full height of the bracket This should be accomplished by insertion of additional 2"X 6" wood blocking between the studs as defined above
Fasten the Knoll supplied wall cleat with...	#10 x 2 1/2" Grabber Woodys Screws or equiv. @ 6" c/c, screwed directly into the wood blocking	3/16" x 3 1/2" Tapcon Masonry Screws or equiv. @ 6" c/c with 1-1/4" embedment, screwed directly into the masonry wall	#10 x 2 1/2" Grabber Woodys Screws or equiv. @ 6" c/c, screwed directly into the wood blocking	#10 x 2 1/2" Grabber Woodys Screws or equiv. @ 6" c/c, screwed directly into the wood blocking	#10 x 2 1/2" Grabber Woodys Screws or equiv. @ 6" c/c, screwed directly into the wood blocking	#10 x 2 1/2" Grabber Woodys Screws or equiv. @ 6" c/c, screwed directly into the wood blocking