

Planning and Specification Guide

Horsepower[®] Planning Guide

Knoll

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Horsepower

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Introduction

Knoll and Sustainable Design

Each year Knoll sets key initiatives in the journey to sustainability. Focused on our impact to people and planet, Knoll reports material health product attributes and sets operational targets to reduce greenhouse gas emissions, waste generation and water use (in our North American facilities.)

Material transparency is a core Knoll sustainable design value, enabling us to optimize the design and performance of our products. Our material health program utilizes independent third-party certifications that provide an impartial and trustworthy foundation for industry-wide transparency. Certification by respected third parties ensures that all manufacturers are held to the same high standards. Knoll certifications include: Forest Stewardship Council (FSC®), Intertek's Clean Air Program, Business and Institutional Furniture Manufacturer's Association (BIFMA) LEVEL® certification, International Living Future Institute's (ILFI) Declare labelling and Certified Environmental Product Declarations. In addition, Knoll is aligned with the U.S. Green Building Council and can help organizations achieve credits for Leadership in Energy and Environmental Design (LEED®), WELL and the Living Building Challenge (LBC) building certifications.

In our manufacturing operations, we focus on efficiency and impact. Knoll Office and Knoll Europe manufacturing locations are ISO 14001:2015 certified. Knoll sets objectives and targets to reduce energy, water and waste. These initiatives are part of a long-term strategy to further reduce energy consumption and lower our carbon footprint.

We also believe in helping our customers find viable options when decommissioning furniture or other related assets. ANEW's Full Circle Program, in partnership with Knoll, allows customers to leverage buy-back and re-sale programs as well as explore options for repurposing or recycling that mitigate landfill impact through energy-from-waste conversion.

For more information about Knoll and sustainable design, visit www.knoll.com/environment.

Introduction

Material and Finish Options

For specific product applications for each finish refer to the finish matrix on the following pages.

KNOLL CORE LAMINATES

Solid Colors

111	Jet Black* **
114	Folkstone Grey* **
115	Medium Grey* **
117	Soft Grey* **
118	Bright White* **
119	Pumice* **
128	Fog* **

Patterned

121	Micro Grey
122	Brushed Sand
123	Brushed Grey
129	Micro Sand

Brushed Sand (122) and Brushed Grey (123) are not available on laminate screens 60" and wider and on modesty or end panels of any size.

Wood Grain

124	Medium Cherry* **
125	Natural Maple* **
126	Natural Cherry* **
127	Walnut* **
139	Light Ash* **
140	Warm Ash* **
141	Whitened Ash* **
142	Grey Ash* **
143	Classic Oak* **
144	Graphite Pear* **
145	Zebra*
147	Silverwood**
148	Smokewood**
149	Barnwood**

*Matching edgeband available

** Melamine worksurface finish.

Worksurfaces manufactured in Melamine are available in High Pressure Laminate at a 10% upcharge. Other products are also available in High Pressure Laminate and would need to be quoted separately.

ACCENT LAMINATE

130	Dark Red
131	Slate Blue
132	Olive Green
133	Canary Yellow
134	Knoll Red

Accent Laminates are only available on the interior of laminate storage cabinets.

MARKERBOARD LAMINATE

M	Markerboard
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GLASS SCREENS

TEMP	Clear
GL13	Powder
GL35	Grey Tinted

PLATED FINISH

PD	Chrome
----	--------

KNOLL CORE PAINTS

111T	Jet Black
112T	Brown
113T	Dark Grey
114T	Folkstone Grey
115T	Medium Grey
116T	Sandstone
117T	Soft Grey
118T	Bright White
611T	Beige Mist Metallic
612T	Medium Metallic Grey
613	Silver

ACCENT PAINTS

130	Dark Red
131	Slate Blue
138	Clear*
146	Black Wrinkle (H)

*Available on select base components.

(H) Available on Antenna Horsepower only.

COMBINATION LAMINATE

Laminate storage cabinets may be specified with different laminate finishes on the exterior and interior of the case.

EDGE OPTIONS FOR LAMINATE WORKSURFACES

WPLY	Ply Edge Wood (V1 pricing)
SPLY	Ply Edge Synthetic (L pricing)

Additional edge options are only available on laminate worksurfaces.

Introduction

Material and Finish Options

Wood Finishes

New codes begin with a three digit numeric sequence, followed by a letter suffix. Each letter suffix (A-F) represents a different combination of pore fill options and gloss levels.

V1 Techwood

638	Blond Maple
628	Dark Mahogany
639	Light Cherry
641	Black Oak
506	Maple
509	Cherry
512	Medium Walnut
513	Medium Teak
514	Espresso
637	Natural
644	Light Walnut
645	Dove Grey

V2 Premium Techwood

647	White Pine
640	Ebony
642	Grigio

V2 Natural Veneer

020	Natural Oak
038	Rustic Walnut*
017	Light Walnut
002	Bronze Cherry
006	Maple
021	Peacock Green Walnut
022	Old English Walnut
037	Birch

V3 Premium Veneer

039	Pippy Oak
044	Figured Sycamore

Gloss Level

Fill Level

A	Low Gloss	Closed Pore
B	Medium Gloss	Closed Pore
C	High Gloss	Closed Pore
D	Low Gloss	Open Pore
E	Medium Gloss	Open Pore
D	High Gloss	Open Pore

Edge Options for Veneers

WOOD	Complementary Wood
SYN	Complementary Synthetic
WPLY	Wood Ply Edge*
SPLY	Synthetic Ply Edge*

* Ply Edge available on Birch (037) worksurfaces.

*Note:

Overlay tops specified with a veneer top and/or edge are available in any V1, V2 or V3 finish except for the following veneers:

Medium Teak(513)
Dove Grey (645)
Ebony (640)
Grigio (642)

+ Synthetic Edge option is available on worksurfaces only.

+ Finishes with * are available on worksurfaces only.

For more detailed information on Veneer finishes, please refer to the Wood Finish Matrix on knoll.com.

Introduction

KnollTextiles Approved for Screens and Fabric Inserts

KnollTextiles Approved for Screens and Fabric Inserts

Grade 10

Annex (W1360)*
 Beacon (W1597)*
 Broadcloth II (W1619)
 Circuit (W1754)*
 Growth Spurt (W692)
 Messa (W2061)
 Pivot (W1926)
 Skylark (W1718)
 Symbolic Details (W693)
 Tailor Made II (W1610)*
 Twister (W1923)
 Versatility (W432)

Grade 20

Circle Line (W1146)
 Criss Cross (W305)
 Delite (K2026)
 Edo (W2111)
 Infinite (K2263)
 Logic (W1318)
 Mainframe (W1783)
 Nematic II (W1620)
 Photon II (W1695)
 Ponder (W2382)
 Reflect (W884)

Grade 30

Micro (W465)
 Relay (W1020)

Grade 40

Amplify (W1215)
 Bandwidth (W1219)
 Boundary (K1858)
 Crossroad (K2085)
 Hourglass (K1523)
 Palladium (W1030)

Note: All applied textiles are directional.
 If there are a mix of screens wider than 60" and narrower than 60" on a single order, all screens must be specified with fabric applied railroaded to match.

COM (Customers' Own Material)

COM can be applied to Antenna Workspaces product on a select basis.
 Please consult your Knoll Customer Service Representative for details on the COM approval process and resting requirements.
 Pricing for COM fabrics is at Grade 10.

Note: Always contact your Customer Service Representative prior to sending any COM (including pre-approved KnollTextiles) to the manufacturing facility.

COM Yardage Requirements for Screens and Fabric Inserts

The total yardage is for both sides of the screen.

	Pattern Number	Total Yards Required			
		66" wide COM	54" wide COM	Railroaded 66" wide COM	Railroaded 54" wide COM
HORSEPOWER SCREENS	YPSC2124F	0.66	0.66	0.74	0.74
	YPSC2130F	0.66	1.3	0.9	0.9
	YPSC2136F	1.3	1.3	1.08	1.08
	YPSC2142F	1.3	1.3	1.24	1.24
	YPSC2148F	1.3	1.3	1.4	1.4
	YPSC2154F	1.3	1.58	1.58	1.58
	YPSC2160F	1.3	1.74	1.74	1.74
	YPSC2166FRR	n/a	n/a	1.9	1.9
	YPSC2172FRR	n/a	n/a	2.08	2.08
	YPSC1424F	0.46	0.46	0.38	0.5
	YPSC1430F	0.46	0.92	0.46	0.6
	YPSC1436F	0.92	0.92	0.54	0.72
	YPSC1442F	0.92	0.92	0.62	0.82
	YPSC1448F	0.92	0.92	0.7	0.94
	YPSC1454F	0.92	1.06	0.8	1.06
	YPSC1460F	0.92	1.16	0.88	1.16
	YPSC1466FRR	n/a	n/a	0.96	1.28
	YPSC1472FRR	n/a	n/a	1.04	1.38

* Select colors not available

Introduction

Horsepower

Horsepower

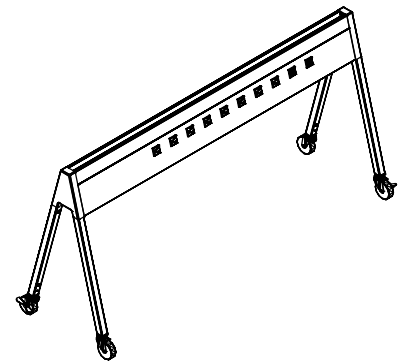
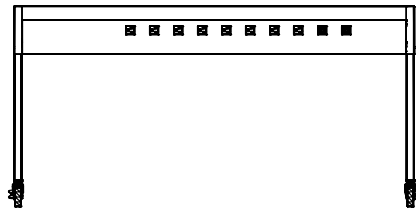
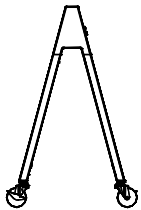
Horsepower is a lightweight freestanding technology channel and source of power for Activity Spaces and open planning. Horsepower has two main planning modes:

Independent Horsepower

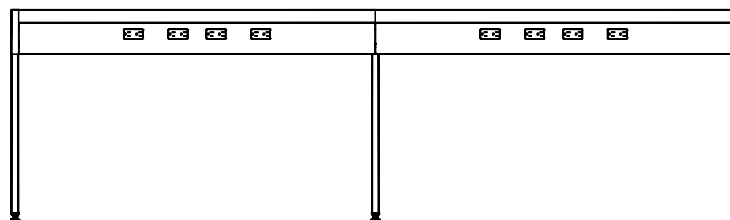
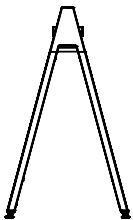
The independent, cord-set module serves as an on-demand, mobile power source suited to a range of Activity Spaces. Video display, whiteboard and open storage options equip flexible, shared work areas.

Linked Horsepower

Linked horsepower modules can also furnish dynamic open plan environments with hardwired, multi-circuit power and cable management, suspended storage, upmounted platforms, desk supports and privacy screens. Optional seat cushions create an impromptu power bench in community spaces to sit and recharge.



Independent Horsepower



Linked Horsepower

Horsepower

Overview

Horsepower Planning Guidelines

Horsepower features a simple freestanding structure: the open beam is supported by “A” shaped legs. Horsepower units can be specified as complete kits for single units or can be specified by combining a few basic components for virtually endless runs.

Horsepower enables four planning applications:

Mobile Horsepower

Lightweight and mobile, the Independent Horsepower has integrated power strips, making it easy to move technology into any space. Mobile Horsepower enables users to connect, access and display technology to support the task at hand.

Sawhorse Desk

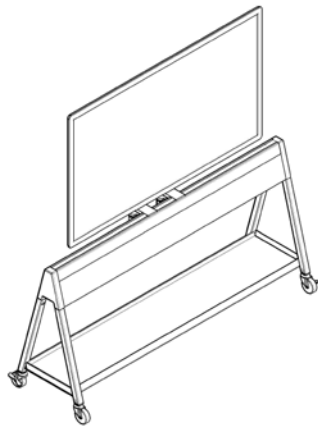
Compact Independent Horsepower units provide desk end support with discreet power access. Sawhorse Desks are assembled from a top, starter rails and two corresponding depth Independent Horsepower units.

Horsepower Perch

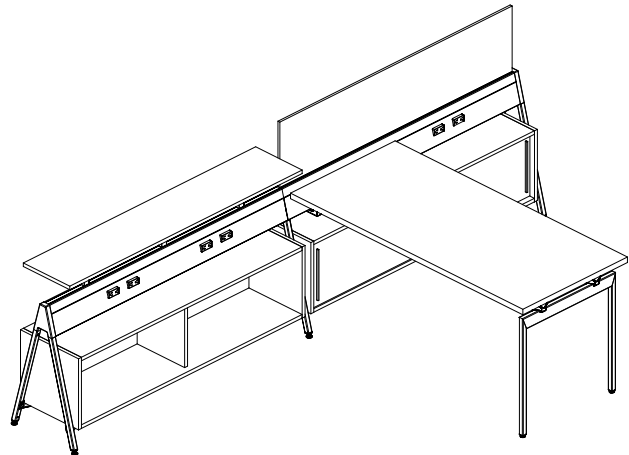
Horsepower Perch invites people to connect—to each other and their devices, offering a comfortable seat for casual exchanges and convenient access to power and USB outlets.

Horsepower Beam

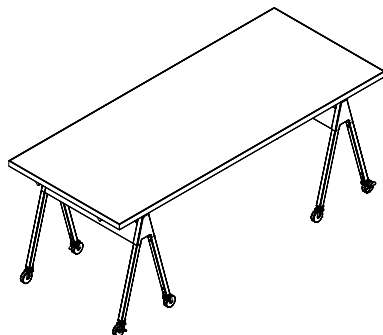
Horsepower features a light open service beam intended to define the center of a cluster or the perimeter of a team space. Horsepower distributes and manages power, data and communications for a group of workspaces through the use of convenient outlets and accessible cable cleats under the beam. The unique Horsepower beam supports the end of a desk, suspended storage and upmounted screens and platforms.



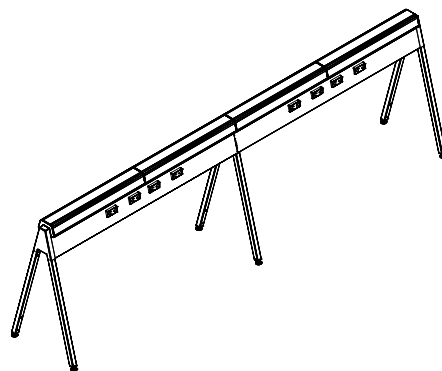
Mobile Horsepower



Horsepower Beam



Sawhorse Desk



Horsepower Perch

Horsepower

Mobile Technology Cart

The Horsepower Technology Cart brings mobile on-demand screen access to dynamic workspaces by pairing a mobile version of Horsepower with a dedicated Sapper Monitor Arm Collection kit. Four easy order kits are available to accommodate monitors up to 30 lbs. Sapper Monitor Arm kits can be mounted to 30", 36" and 48" wide Independent Horsepower and support screen widths up to 32", 38" and 50" wide overall on corresponding units.

The Horsepower Tech Cart provides external wire management with cable management clips to contain wires along the mast.

Sapper Horsepower Mount for a 20 lb. monitor supports a Sleeve Arm for a single monitor up to 20 lbs. on a 24" mast.

Sapper Horsepower Mount for a 30 lb. monitor supports a 21-30 lb. monitor on 24" masts using dedicated fixed Sleeve Arms which do not allow the monitor to swivel.

The following components must be specified for a complete Horsepower Tech Cart:

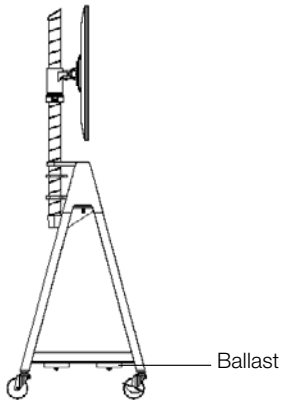
- Independent Horsepower
- Sapper Horsepower 20 lb. or 30 lb. mount (KnollExtra price list)
- Down-mounted cabinet or metal shelf
- Horsepower Ballast Kit

Construction

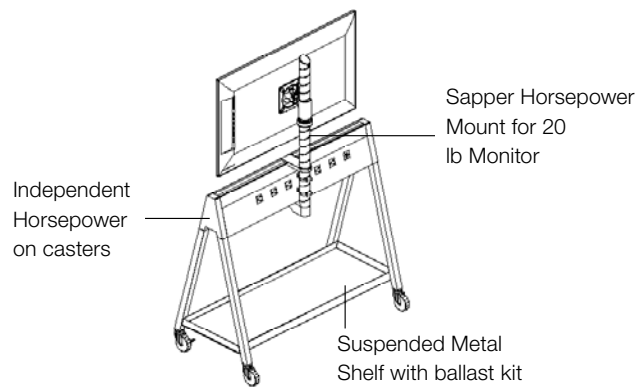
The Sapper mounts are cast aluminum and the VESA plate is painted steel.

Specification Options

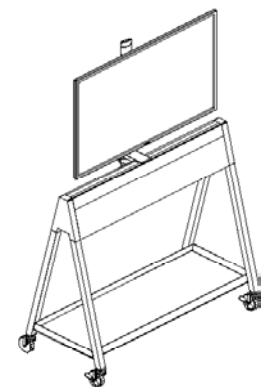
The Sapper mounts are available in any Knoll Core paint finish, Dark Red or Slate Blue. The VESA plates and sleeve arms are available in black.



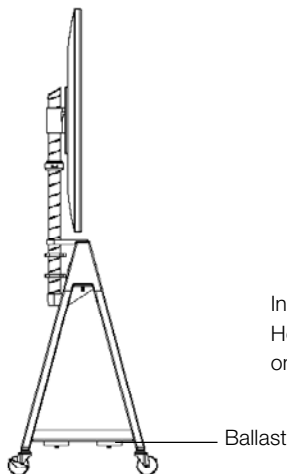
Horsepower
Technology Cart



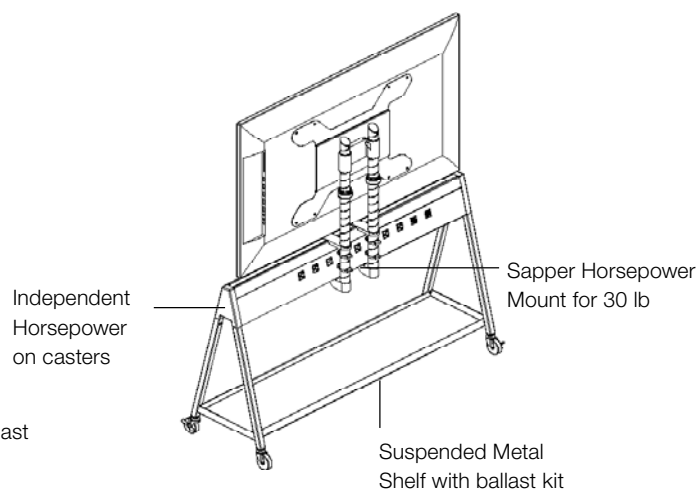
Horsepower
Technology Cart



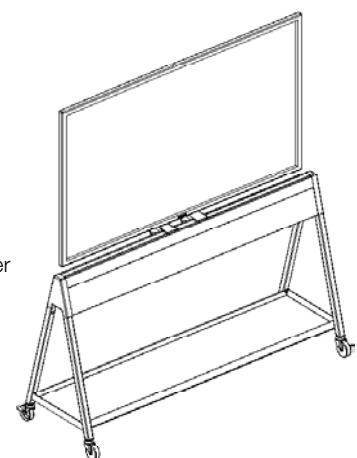
Horsepower
Technology Cart



Horsepower
Technology Cart
End Elevation



Horsepower
Technology Cart



Horsepower
Technology Cart

Horsepower

Independent

Independent Horsepower units are available as complete kits: including two end legs, beam, covers and optional cord-set power.

Independent Horsepower is available in 24", 30", 36" and 48" wide and can be specified at either 25" or 28½" high on either glides or casters.

Optional cord-set power can be specified on one or both sides and includes: four power simplex outlet positions and one 2-port USB for 24" wide units, six power simplex outlet positions and one 2-port USB for 30" wide units, six power simplex outlet positions and one 2-port USB for 36" wide units and eight power simplex outlet positions and two 2-port USB for 48" wide Independent

Horsepower units. Independent Horsepower is powered by a 15' cord with 3-prong plug for 120V outlets that can connect directly to a building outlet. Independent Horsepower is a listed product with U.L.

- File E476012 Volume 1, Sections 2

Independent Horsepower can be planned with upmounted screens or KnollExtra Sapper Monitor Mounts to support video display on units 30" – 48" wide. Upmounted screens or monitors on Independent Horsepower require a lower shelf or cabinet with corresponding ballast kit, specified separately, fill the top channel slot of a beam when no screens are planned.

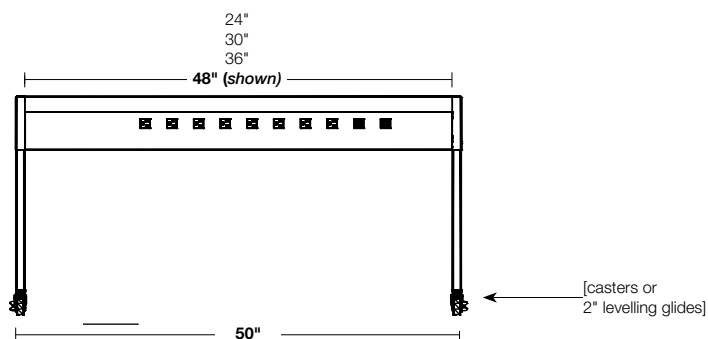
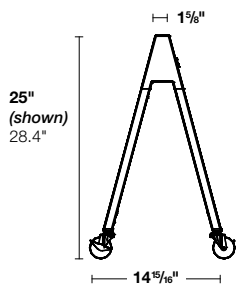
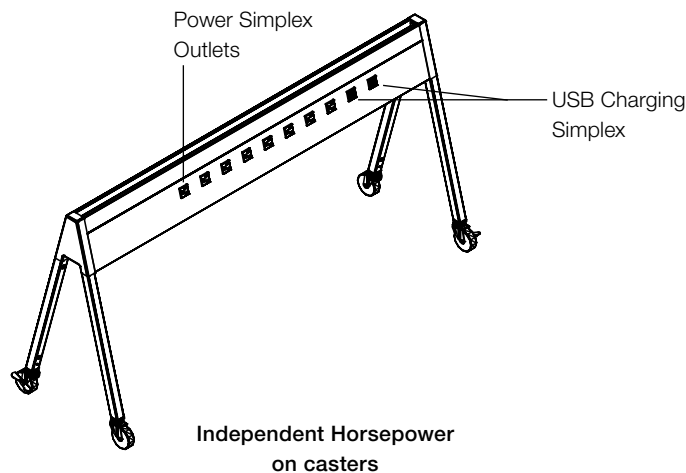
Construction

Horsepower End Legs include die cast aluminum end caps with 1" square steel legs.

Horsepower Beams and Covers are extruded aluminum.

Specification

Independent Horsepower frames and covers can be specified in any Knoll Core paint finish, Dark Red, Slate Blue and Black Wrinkle. Power and USB outlets are black.



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Horsepower

Covers for Linked

Horsepower Covers are 4¼" high and mount at an angle over Horsepower top and bottom beams to conceal the power channel.

Horsepower Covers are specified as a pair and are available with or without outlet cutouts.

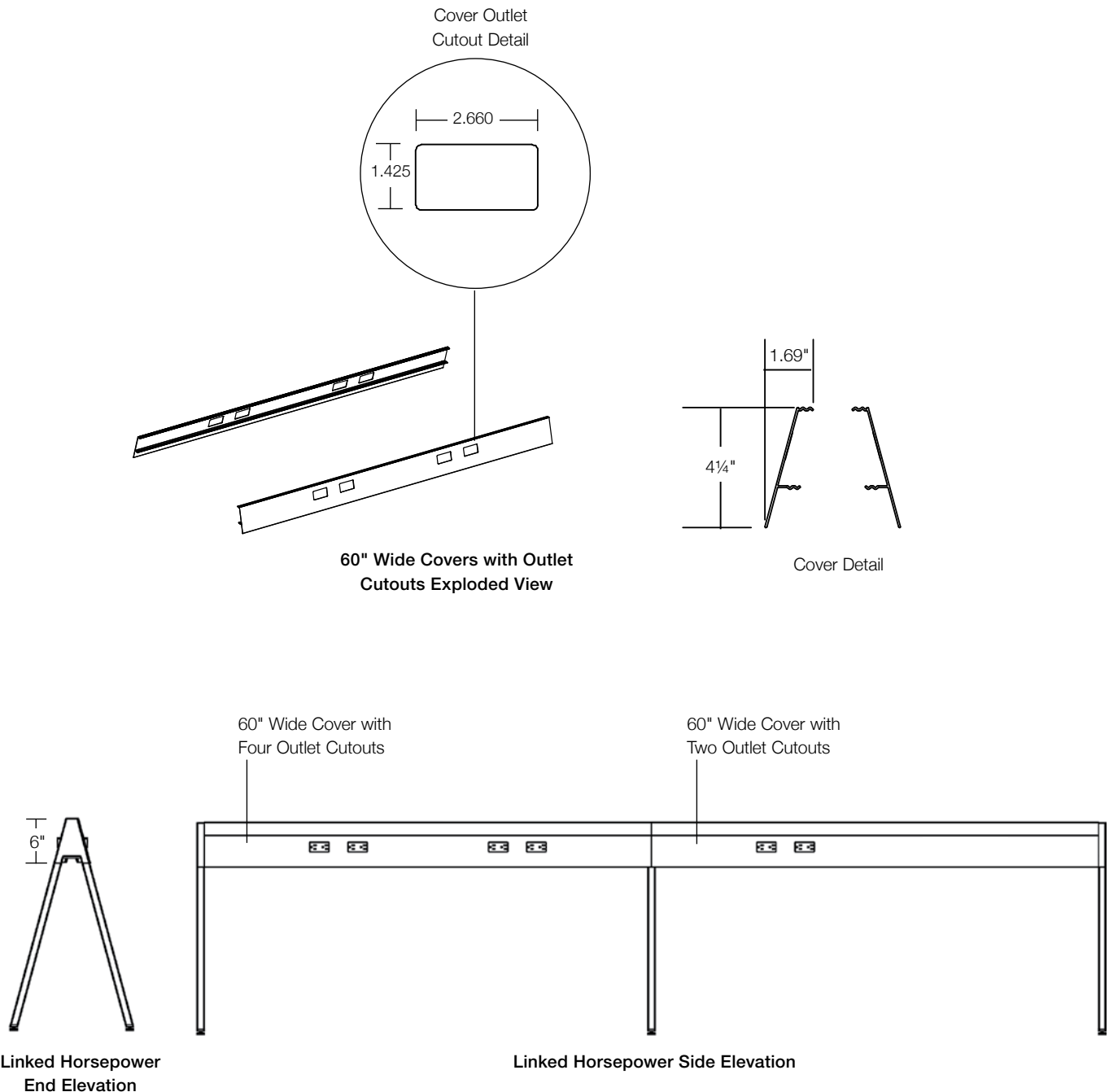
Covers with outlet cutouts feature two cutouts for 36" wide, four cutouts for 48" wide, and two or four cutouts for 60", 66" and 72" wide covers.

Construction

Covers are extruded aluminum with integral top and bottom hook details.

Specification Options

Covers are available in any Knoll core, Dark Red, Slate Blue or Black Wrinkle paint finish.



Horsepower

Desk Support Adapters

Antenna Desk Support

Antenna desk support adapters are available for 28" high Linked Horsepower applications when Antenna tops are mounted perpendicular to the Horsepower beam. Desk support adapters connect the desk rails to the supporting Horsepower beam.

Antenna Simple Table Support

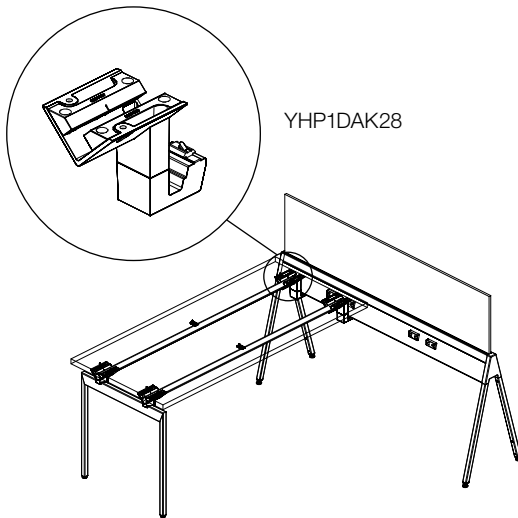
Antenna Simple Table support adapters are available for 28" high Linked Horsepower applications when High Range Desk Height Simple Tables are mounted parallel or perpendicular to the Horsepower beam. Desk support adapters connect metal inserts in the top to the supporting Horsepower Beam.

Construction

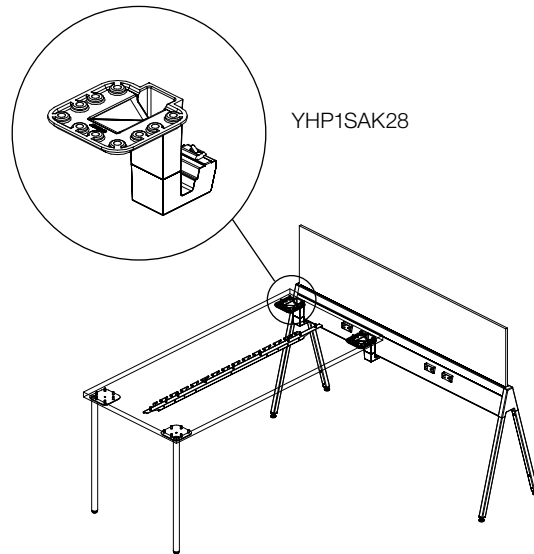
Desk and table adapters consist of painted, die cast aluminum cradles and brackets.

Specification Options

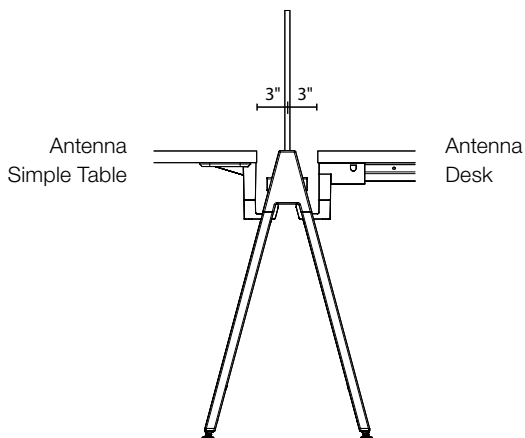
Specify desk support adapters in any Knoll core, Dark Red, Slate Blue, or Black Wrinkle paint finish.



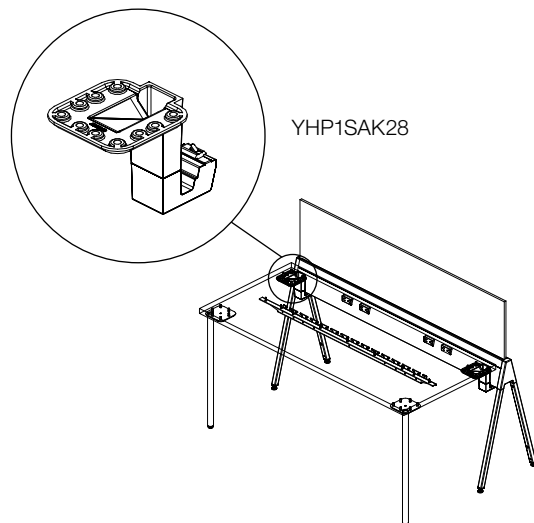
Antenna Desk Supported
by 28½" High Horsepower



Antenna Simple Table, Desk Height
High Range, Supported by
28½" High Horsepower



28½" High Linked Horsepower
Supporting Desks, End Elevation



Antenna Simple Table, Desk Height
High Range, Supported by
28½" High Horsepower

Horsepower

Desk Support Adapters

Sawhorse Desk

Sawhorse Desks can be configured by using Sawhorse desk support adapters, an Antenna rectangular desk top, a pair of starter rails, and two corresponding depth Independent Horsepower units on glides or casters.

Sawhorse desk support adapters connect the desk rails to the supporting Independent Horsepower unit and the underside of the top. The desk support adapters mount onto the top channel of a 25"H Independent Horsepower beam to support a worksurface height of 28½"H.

Tops for Sawhorse desk planning are full dimension, 27", 30", 36", 42" and 48" depths, and available in every 6" increment of width from 54"-96".

Tops 27" and 30" deep are supported by two 24" wide Independent Horsepower units, tops 36" deep are supported with two 30" wide Independent Horsepower units, and tops 42" and 48" deep are supported with two 36" wide Independent Horsepower units.

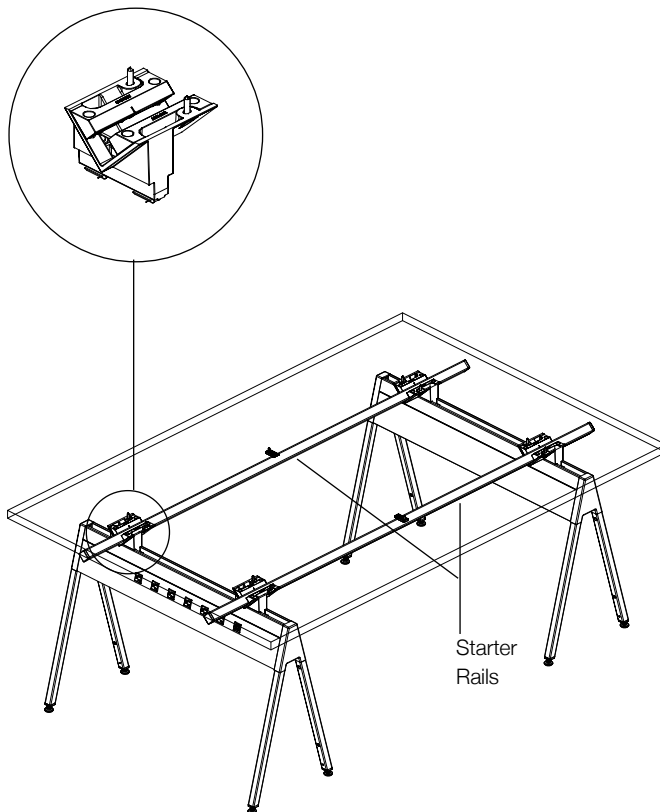
Starter rails are inset 1½" from each end of the top and Independent Horsepower supports are inset 9" from each end of the top to centerline of the Horsepower.

Construction

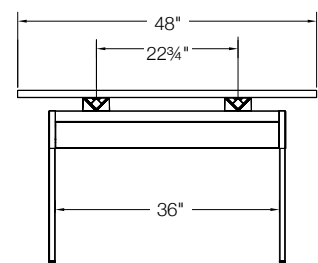
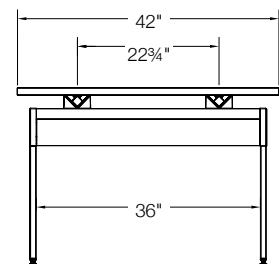
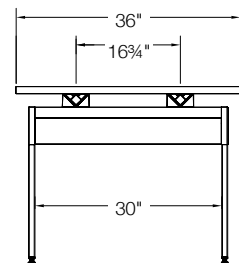
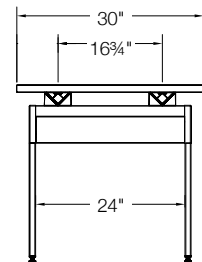
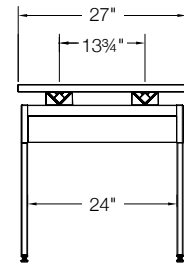
Sawhorse desk adapters consist of painted cast aluminum cradles and brackets.

Specification Options

Specify desk support adapters in any Knoll core, Dark Red, Slate Blue, or Black Wrinkle paint finish.



Sawhorse Rail Spacing Diagram



Horsepower

Universal Gallery Panels

Universal Gallery Panels

Antenna Horsepower Universal Gallery Panels are an extensive series of laminate and veneer partitions with applications that delineate space and provide a planning alternative when the need to carry data and utilities is not required.

Universal Gallery Panel Dimensions

- Height: 25", 28.5", 42", 49"
- Width: 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96"
- Thickness: 1³/₁₆"

Construction

Laminate

- Surface Material: .028 laminate, front and back
- Edge Material: 2mm ABS on top and bottom sides; .8mm on right and left sides
- Core Material: 45lb. density, FSC Certified particle board
- Thickness: 1³/₁₆"

Techwood and Natural Veneer

- Surface Material: .6mm veneer, front and back
- Edge Material: .8mm ABS on top bottom, left and right sides
- Core Material: 45lb. density, FSC Certified particle board
- Thickness: 1³/₁₆"

Leveling Glides/Carpet Grippers

- 1" wide x 2" long, provides 1" of adjustment
- Carpet Gripper: YFGPCG, Pack of 10, specified separately

Note: Woodgrain laminate can be specified in horizontal and vertical grain direction. Techwood and Natural Veneers are vertical grain direction.

Note: Woodgrain laminate is not available with grain matching in Shared T and Extension/Return Gallery Panel applications.

Applications

Covered L: A single panel specified as either right or left-handed, Covered L applications plan as a return panel. Maximum overall width is 101". Extensions can be added for longer runs.

Covered T: A single panel specified at the end of a Fence run, Covered T adds stability to a spine application with widths that are specified independently. Maximum overall width is 101". Extensions can be added for longer runs. Returns can be added to enclose a space.

Shared T: Specified as an assembly of two gallery panels, the Shared T offers greater planning flexibility where each panel can be specified up to 96" wide and where the joint bisects the adjacent Fence frame. Extensions can be added for longer runs. Returns can be added to enclose a space.

Antenna Universal Applications:

Extensions and Returns:

Extensions are gallery panels that are added, in-line, to the end of an existing gallery panel to add length to a run. Maximum width is 78".

Returns are gallery panels that are added to the face of an existing gallery panel to add stability to a panel run or privacy to a workstation.

Intermediate:

Freestanding Intermediate Gallery Panels are specified as an off-module divider between workstations and are not connected to the Antenna Horsepower frame. Maximum width is 78". Extensions/Returns cannot be added.

Maximum Overall Widths by Finish

- 101" max. for solid color laminate
- 101" max. for horizontal woodgrain laminate
- 60" max. for vertical woodgrain laminate
- 101" max for vertical grain veneer

Available Finishes:

Laminate

- 114 Folkstone Grey
- 117 Soft Grey
- 118 Bright White
- 119 Pumice
- 125 Natural Maple
- 127 Walnut
- 141 Whitened Ash
- 142 Grey Ash
- 143 Classic Oak
- 140 Warm Ash
- 139 Light Ash
- 144 Graphite Pear
- 126 Natural Cherry

Techwood and Natural Veneer

Techwood (V1)

- 641 Black Oak
- 638 Blonde Maple
- 509 Cherry
- 628 Dark Mahogany
- 645 Dove Grey
- 514 Espresso
- 639 Light Cherry
- 644 Light Walnut
- 506 Maple
- 513 Medium Teak
- 512 Medium Walnut
- 637 Natural

Natural Veneer (V2)

- 037E Birch with Birch Edge
- 002 Bronze Cherry
- 640 Ebony
- 642 Grigio
- 017 Light Walnut
- 006 Maple
- 020 Natural Oak
- 022 Old English Walnut
- 021 Peacock Green Walnut
- 038 Rustic Walnut
- 647 White Pine

Note: All laminate gallery panels may be specified with any ABS edge band including SPLY.

Note: All veneer gallery panels are offered with synthetic matching edge.

Horsepower

Universal Gallery Panels

Covered L Specification

The Covered L Gallery Panel attaches directly to the end of an Antenna Horsepower Spine run as a return. Covered L applications are specified as either right or left handed and have a maximum overall width of 101". Extension can be added to create longer runs. Returns can be added to enclose a space or provide additional stability.

Follow the steps below to complete a Covered L Gallery Panel specification:

- 1. Application:** Covered L (L)
- 2. Plus Dimension:** In applications where a Return is required, choose the plus dimension: left, right or none (L, R or N). L and R add 1 $\frac{3}{16}$ " to the overall width and preserves the on-module width inside the workstation. The plus dimension specification determines the desired gallery

panel alignment. See Figures 1 and 2.

- 3. Height:** 25", 28.5", 42", 49"
- 4. Width:** 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84"

Note: widths above are the usable, on-module dimension inside the workstation, not overall dimension.

- 5. Handed:** Choose either left or right (L or R). Handedness is determined from the user's perspective within the workstation. See below.

- 6. Adjacent Antenna Horsepower Frame Height:** Choose the height of the adjacent Fence Frame (49, 42, 28.5 or 25).

Note: Gallery panels must be the same as or taller than the adjacent Antenna Horsepower Frame Height.

Finish: Choose the appropriate laminate or veneer finish.

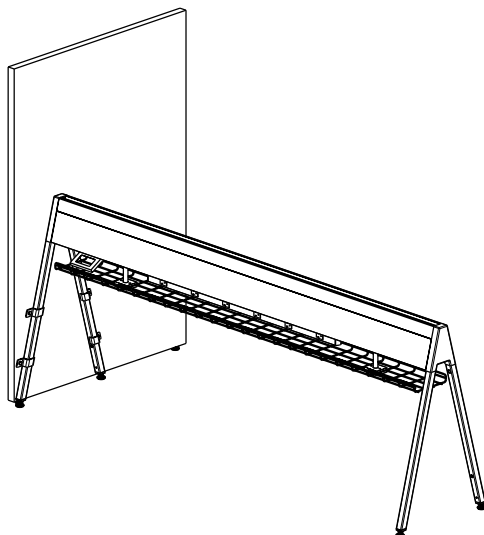
- 7. Grain Direction:** Choose vertical or horizontal grain direction (V or H) or (~) for solid color laminate.

Note: Woodgrain laminate is not available with grain matching in Shared T and Extension/Return Gallery Panel applications.

- 8. Edgeband:** Choose any standard synthetic edge option.

Length of Run Restriction: No Covered L Gallery Panel run can exceed 96" (usable), *including Extensions* without lateral support for stability i.e. attaching to freestanding storage or using a gallery panel Return.

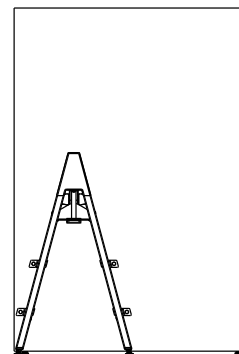
Product Line	Category	Application	Plus Dimensions	Height	Width 1	Handed	Adjacent Frame Height	Finish	Grain	Edge Band
YH	GP	L	R	28	18	R	28	118	~	118
YH= Antenna Horsepower	GP= Gallery Panel	L= Covered L	R= Add 1 $\frac{3}{16}$ " to right side	25=25" Height	18=18" Wide	R = Right	25: 25"	Select Finish	V= Vertical	Select Edge Band
			L= Add 1 $\frac{3}{16}$ " to the left side	28=28.5" Height	24=24" Wide	L = Left	28: 28" or 25"		H= Horizontal	
			B= Both	42=42" Height	27=27" Wide		42: 42", 28" or 25"		~ = Solid Color Lam	
			N= No added dimensions	49=49" Height	30=30" Wide		49: 49", 42", 28" or 25"			
					36=36" Wide					
					42=42" Wide					
					48=48" Wide					
					54=54" Wide					
					60=60" Wide					
					66=66" Wide					
					72=72" Wide					
					78=78" Wide					
					84=84" Wide					



Covered L, Right hand application shown

Two Covered L alignment options, see below

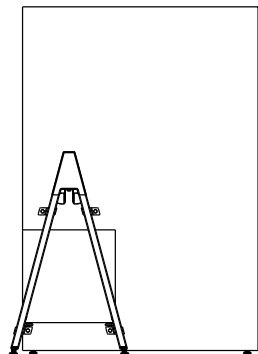
Figure 1



YHGP LL 42 42 R

The plus dimension L will align to the leg of the Antenna Horsepower frame as shown above. Right hand application shown.

Figure 2



YHGP LN 42 42 R

The plus dimension N will align to the suspended storage as shown above. Right hand application shown.

Horsepower

Universal Gallery Panels

Covered T Specification

The Covered T Gallery Panel attaches to the end of an Antenna Horsepower Spine run as a dual return. Covered T applications have widths that are specified independently and cannot exceed an overall width of 101". Extension can be added to create longer runs. Returns can be added to enclose a space or provide additional stability.

Follow the steps below to complete a Covered T Gallery Panel specification:

- 1. Application:** Covered T (T)
- 2. Plus Dimension:** In applications where a Return(s) are required, choose the plus dimension: left, right, both or none (L, R, B or N). L an R add 1 $\frac{3}{16}$ " to the left or right sides, B adds 1 $\frac{3}{16}$ " to both left and right sides and preserves the on-module width inside the workstation.

3. **Height:** 25", 28.5", 42", 49"

4. **Width 1:** 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96"

5. **Width 2:** 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96"

Note: widths above are the usable, on-module dimension inside the workstation, not overall dimension.

Note: No combination of Width 1 and Width 2 can exceed 96".

6. Adjacent Horsepower Frame Height:

Choose the height of the adjacent Antenna Horsepower (49, 42, 28.5 or 25).

Note: Gallery panels must the same as or taller than the adjacent Antenna Horsepower Frame Height.

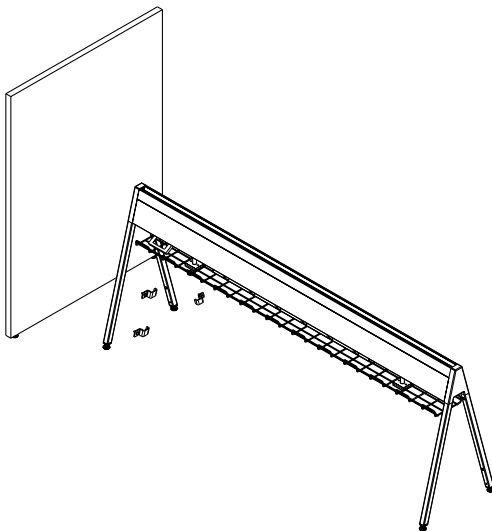
7. **Finish:** Choose the appropriate laminate or veneer finish.

8. **Grain Direction:** Choose vertical or horizontal grain direction (V or H) or (~) for solid color laminate.

9. **Edgeband:** Choose any standard synthetic edge option.

Length of Run Restriction: No Covered T Gallery Panel run can exceed 96" (usable), **including Extensions** without lateral support for stability i.e. attaching to freestanding storage or using a gallery panel Return.

Product Line	Category	Application	Plus Dimensions	Height	Width 1	Width 2	Adjacent Frame Height	Finish	Grain	Edge Band
YH	GP	T	R	28	18	18	28	118	~	118
YH= Antenna Horsepower	GP= Gallery Panel	T= Covered T	R= Add 1 $\frac{3}{16}$ " to right side	25=25" Height	18=18" Wide	18=18" Wide	25: 25"	Select Finish	V= Vertical	Select Edge Band
			L= Add 1 $\frac{3}{16}$ " to the left side	28=28.5" Height	24=24" Wide	24=24" Wide	28: 28" or 25"		H= Horizontal	
			B= Add 1 $\frac{3}{16}$ " to both sides	42=42" Height	27=27" Wide	27=27" Wide	42: 42", 28" or 25"		~ = Solid Color Lam	
			N= No added dimensions	49=49" Height	30=30" Wide	30=30" Wide	49: 49", 42", 28" or 25"			
					36=36" Wide	36=36" Wide				
					42=42" Wide	42=42" Wide				
					48=48" Wide	48=48" Wide				
					54=54" Wide	54=54" Wide				
					60=60" Wide	60=60" Wide				
					66=66" Wide	66=66" Wide				
					72=72" Wide	72=72" Wide				



Covered T: Combination of W1 and W2 not to exceed 96". Overall width not to exceed 101"



Covered T: Assembly

Horsepower

Universal Gallery Panels

Shared T Specification

The Shared T Gallery Panel application attaches to the end of an Antenna Horsepower Spine run and is specified as an assembly of two gallery panels. Shared T applications have widths that are specified independently up to 96" for greater planning flexibility. Extension can be added to create longer runs. Returns can be added to enclose a space or provide additional stability.

Follow the steps below to complete a Shared T Gallery Panel specification:

1. **Application:** Shared T (S)
2. **Plus Dimension:** In applications where a Return(s) are required, choose the plus dimension: Left, Right, Both or None (L, R, B or N). L an R add 1 $\frac{3}{16}$ " to the left or right sides, B adds 1 $\frac{3}{16}$ " to both left and right sides and preserves the on-module width inside the workstation.

3. **Height:** 25", 28.5", 42", 49"

4. **Width 1:** 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96"

5. **Width 2:** 18", 24", 27", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96"

Note: widths above are the usable, on-module dimension inside the workstation, not overall dimension.

6. Adjacent Antenna Horsepower Frame

Height: Choose the height of the adjacent Antenna Fence (49, 42, 28.5 or 25).

Note: Gallery panels must be taller than the adjacent Antenna Horsepower Frame Height.

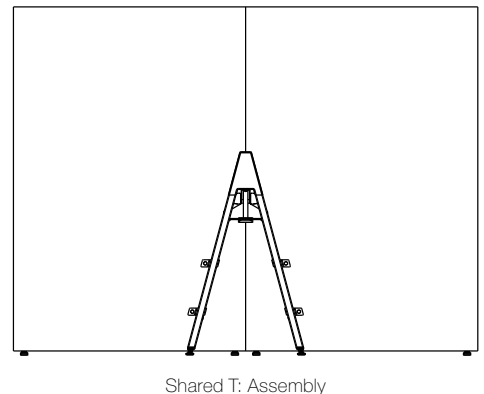
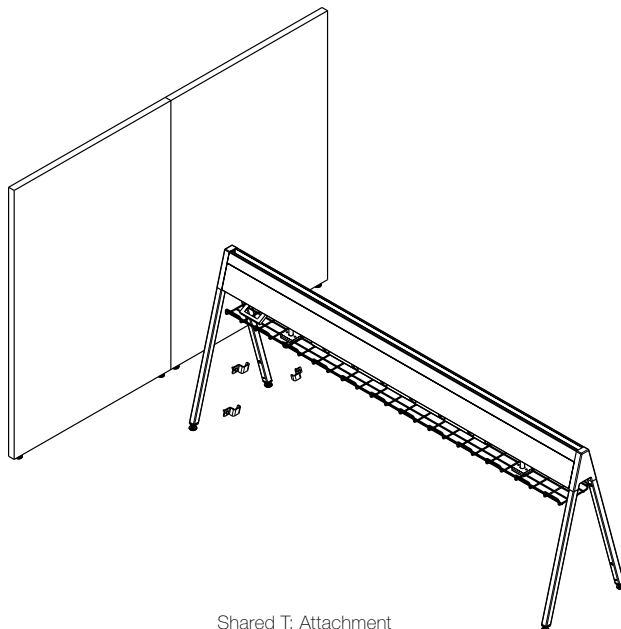
7. **Finish:** Choose the appropriate laminate or veneer finish.

8. **Grain Direction:** Choose vertical or horizontal grain direction (V or H) or (~) for solid color laminate.

9. **Edgeband:** Choose any standard synthetic edge option.

Length of Run Restriction: No Shared T Gallery Panel run can exceed 96" (usable), *including Extensions* without lateral support for stability i.e. attaching to freestanding storage or using a gallery panel Return.

Product Line	Category	Application	Plus Dimensions	Height	Width 1	Width 2	Adjacent Frame Height	Finish	Grain	Edge Band
YH	GP	S	R	28	18	18	28	118	~	118
YH= Antenna Horsepower	GP= Gallery Panel	S= Shared T	R= Add 1 3/16" to right side	25=25" Height	18=18" Wide	18=18" Wide	25: 25"	Select Finish	V= Vertical	Select Edge Band
			L= Add 1 3/16" to the left side	28=28.5" Height	24=24" Wide	24=24" Wide	28: 28" or 25"			
			B= Add 1 3/16" to both sides	42=42" Height	27=27" Wide	27=27" Wide	42: 42", 28" or 25"			
			N= No added dimensions	49=49" Height	30=30" Wide	30=30" Wide	49: 49", 42", 28" or 25"			
					36=36" Wide	36=36" Wide				
					42=42" Wide	42=42" Wide				
					48=48" Wide	48=48" Wide				
					54=54" Wide	54=54" Wide				
					60=60" Wide	60=60" Wide				
					66=66" Wide	66=66" Wide				
					72=72" Wide	72=72" Wide				
					78=78" Wide	78=78" Wide				
					84=84" Wide	84=84" Wide				
					90=90" Wide	90=90" Wide				
					96=96" Wide	96=96" Wide				



Horsepower

Universal Gallery Panels

Extension/Return Specification

The Extension Gallery Panel application attaches, in-line, to the end of an existing gallery panel to add length to a run. Maximum width is 78".

The Return gallery panels application attaches the face of an existing gallery panel to add stability to a panel run or privacy to a workstation. Maximum width is 78".

Note: Extensions and Returns are identical except for where the attach to an existing gallery panel

Extension can be added to create longer runs. Returns can be added to enclose a space or provide additional stability.

Follow the steps below to complete an Extension/Return Gallery Panel specification:

- 1. Application:** Extension/Return (E)
- 2. Plus Dimension:** In applications where a Return is required, choose the plus dimension: Left, Right or None (L, R, or N). L and R add 1 3/16" to the left or right sides and preserves the on-module width inside the workstation.
- 3. Height:** 25", 28.5", 42", 49"
- 4. Width 1:** 16", 19", 20", 24", 30", 36", 42", 48", 54", 60", 66", 72", 78"

Note: Widths above are the usable, on-module dimension inside the workstation, not overall dimension

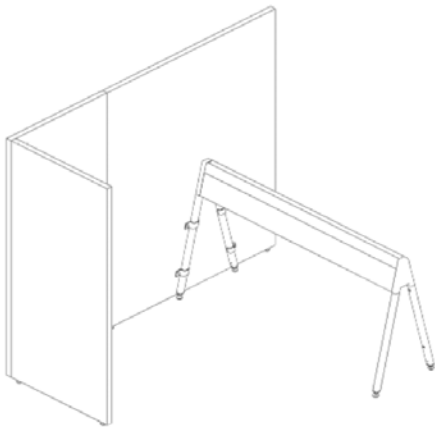
5. Finish: Choose the appropriate laminate or veneer finish.

6. Grain Direction: Choose vertical or horizontal grain direction (V or H) or (-) for solid color laminate.

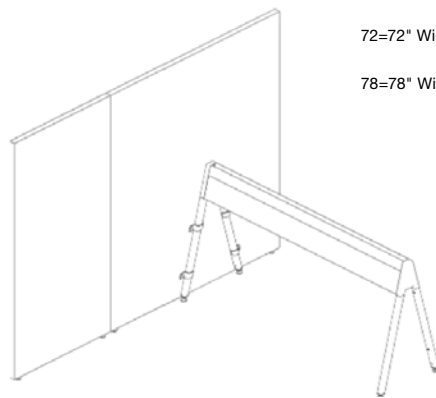
7. Edgeband: Choose any standard synthetic edge option.

Length of Run Restriction: No Gallery Panel run can exceed 96" (usable), in either direction, *including Extensions*, without lateral support for stability i.e. attaching to freestanding storage or using a gallery panel return.

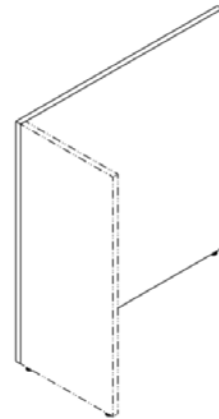
Product Line	Category	Application	Plus Dimensions	Height	Width 1	Finish	Grain	Edgeband
YH	GP	E	R	25	18	118	~	118
YH= Antenna Horsepower	GP= Gallery Panel	E= Extension	R= Add 1 3/16" to right side	25=25" Height	16=16" Wide	Select Finish	V= Vertical	Select Edgeband
			L= Add 1 3/16" to the left side	28=28.5" Height	19=19" Wide		H= Horizontal	
			N= No added dimension	42=42" Height	20=20" Wide		- = Solid Color Lam	
				49=49" Height	24=24" Wide			
					30=30" Wide			
					36=36" Wide			
					42=42" Wide			
					48=48" Wide			
					54=54" Wide			
					60=60" Wide			
					66=66" Wide			
					72=72" Wide			
					78=78" Wide			



Extension Panel with Return Panel



Extension Panel



Return Panel

Horsepower

Universal Gallery Panels

Intermediate Specification

The Intermediate Horsepower Fence Gallery Panel application can be specified Freestanding only.

Freestanding Intermediate Gallery Panels are specified as an off-module divider between workstations and are not connected to the Horsepower. Maximum width is 78". Extensions/Returns cannot be added.

Horsepower Freestanding Feet (YFGPFF) are offered in pairs. Two (2) pairs are required to complete the assembly and are ordered separately.

Note: Freestanding Intermediate applications are best suited for 42" and wider Gallery Panels.

Follow the steps below to complete an Intermediate Gallery Panel specification:

1. **Application:** Intermediate (I)
2. **Height:** 25", 28.5", 42", 49"
3. **Width:** 16", 19", 20", 24", 30", 36", 42", 48", 54", 60", 66", 72", 78"

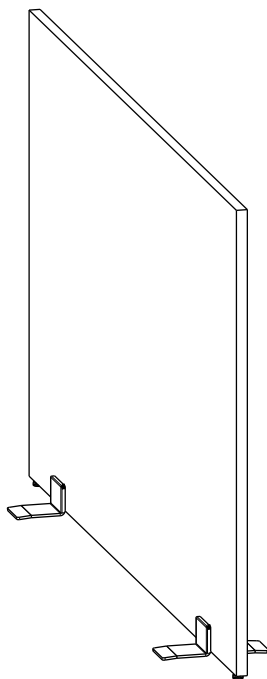
Note: Widths above are the usable, on-module dimension inside the workstation, not overall dimension.

4. **Finish:** Choose the appropriate laminate or veneer finish.

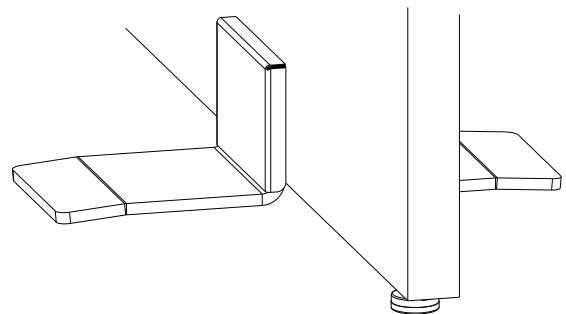
5. **Grain Direction:** Choose vertical or horizontal grain direction (V or H) or (-) for solid color laminate.

6. **Edgeband:** Choose any standard synthetic edge option.

Product Line	Category	Application	Height	Width 1	Finish	Grain	Edgeband
YH	GP	I	25	16	118	~	118
YH= Antenna Horsepower	GP= Gallery Panel	I= Intermediate	25=25" Height	16=16" Wide	Select Finish	V= Vertical	Select Edgeband
			28=28.5" Height	19=19" Wide		H= Horizontal	
			42=42" Height	20=20" Wide		- = Solid Color Lam	
			49=49" Height	24=24" Wide			
				30=30" Wide			
				36=36" Wide			
				42=42" Wide			
				48=48" Wide			
				54=54" Wide			
				60=60" Wide			
				66=66" Wide			
				72=72" Wide			
				78=78" Wide			



Intermediate Gallery Panel with Freestanding Feet



Intermediate Gallery Panel with Freestanding Feet Detail

Horsepower

Electrical

Electrical Components for Linked Horsepower

Linked Horsepower can be powered by a modular distribution system featuring standard Knoll 2+2 and 3+3 eight- and ten-wire power systems. From a single point of connection to the building power supply, the Horsepower beam channel can distribute four or six 20-amp circuits. Depending on national and local electrical codes, and the anticipated load of a particular application, each circuit may support as many as 10 or more duplex outlets.

The central component is the power harness, which can be mounted in the Horsepower beam channel, located 12" from either end of a beam.

The power harness accepts snap-in duplex outlets on each face. Each end of the harness has ports for two jumper cables, or a power infeed and a jumper cable. The power infeed connects power from a building junction box, and jumpers connect power from one harness to another, in either direction.

Power harnesses are available in two sizes: 12" wide, with two duplex outlet locations on each face, and 24" wide, with four outlet locations on each face. For 36" wide Horsepower frames, one 12" harness is located centered, 12" from either end of the beam. For 48" wide Horsepower beams, one 24" wide harness is located centered, 12" from either end of the beam. For 60", 66" and 72" wide Horsepower beams, one 12" harness can be located 12" in from either or both ends of the beam.

Extended face duplex outlets extend to protrude through the outlet cover openings and must be specified separately to access one of the four or six circuits. Outlets for all circuits can be specific in black with white letters identifying circuits and with a controlled stamp to comply with California Title 24 Code. Outlets for circuits X, Y, Z are also available in orange with black letters, or black with orange triangles and letters to designate protected circuits. Simplex, 2-port USB outlets are available in all circuits.

Jumpers

Jumper cables are available in various lengths up to 96" wide to link power between harnesses. To calculate the jumper width required to join between two harnesses in the same beam, take the beam width and subtract 48". Power harnesses planned next to each other in adjacent beams require a 24" wide jumper.

Preconfigured Power Harness Kits

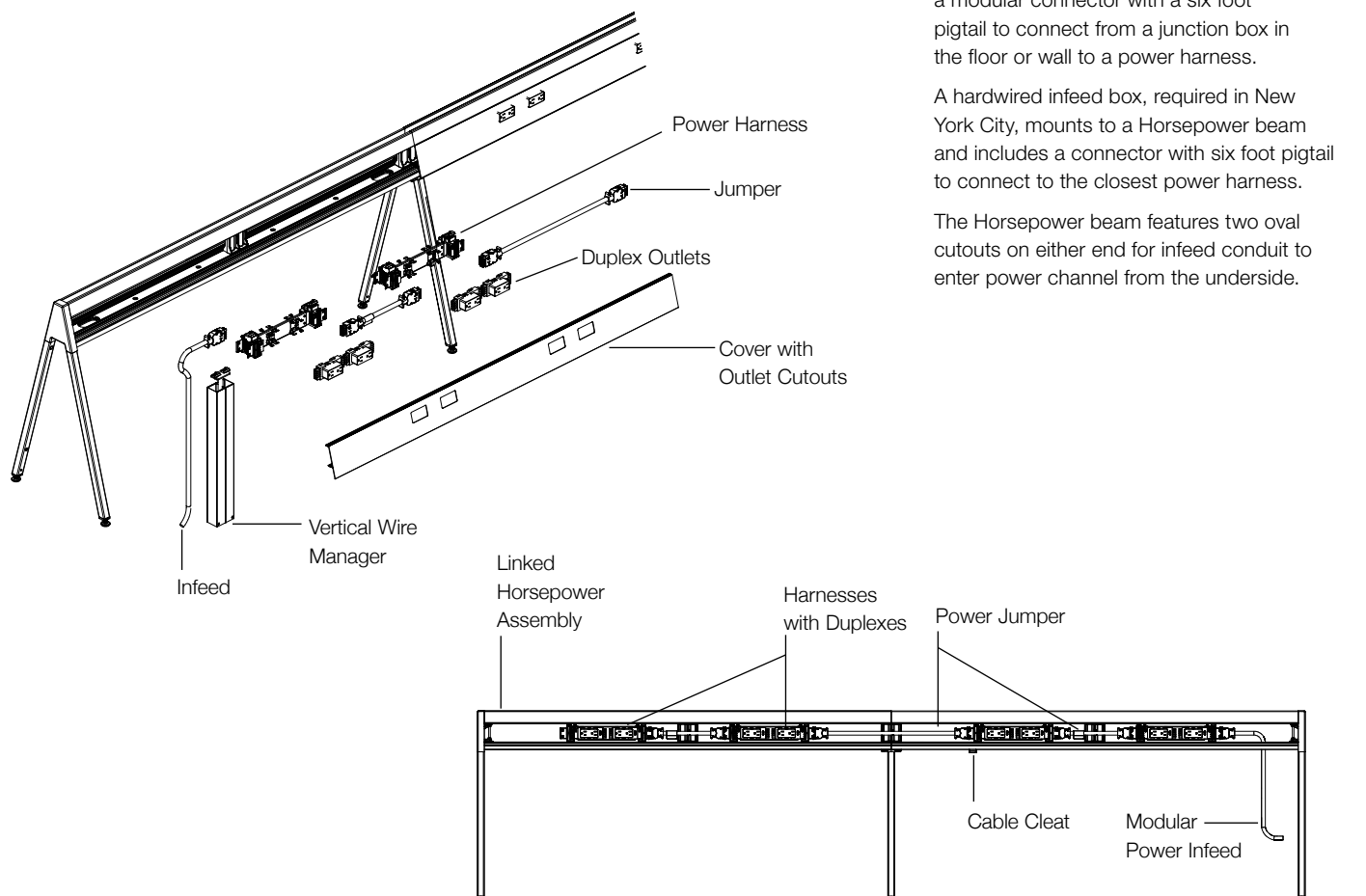
Single and Double Power Harness Kits for 60", 66" and 72" beam applications are configured to make specifying simple for the most frequently planned configurations. The Single Power Harness Kit includes a 12" wide harness and a jumper to the harness in the same location in the next beam. The Double Power Harness Kit includes two 12" wide harnesses and the jumper between those harnesses in the same frame.

Infeeds

Two types of power infeeds are available to connect the channel from the building power supply. The modular infeed has a modular connector with a six foot pigtail to connect from a junction box in the floor or wall to a power harness.

A hardwired infeed box, required in New York City, mounts to a Horsepower beam and includes a connector with six foot pigtail to connect to the closest power harness.

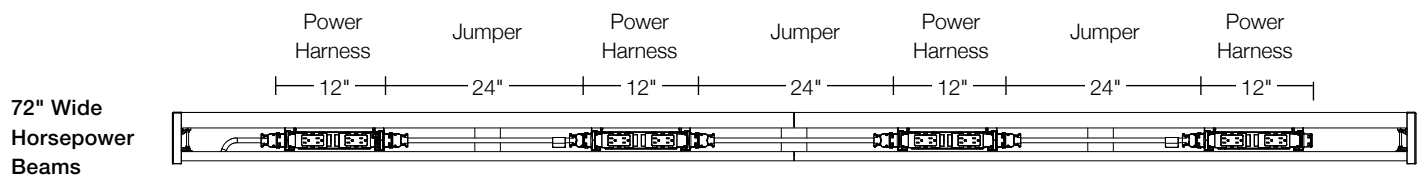
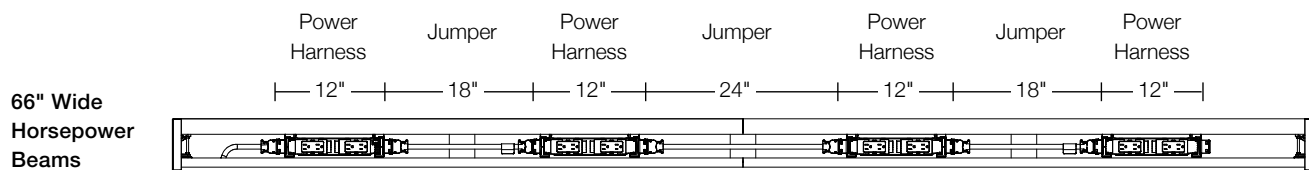
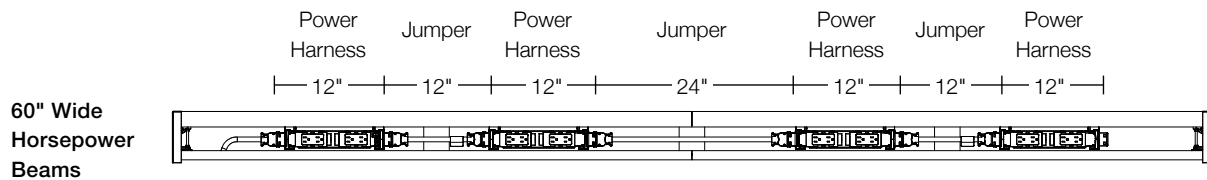
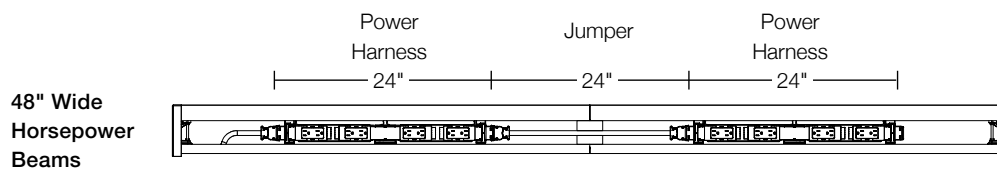
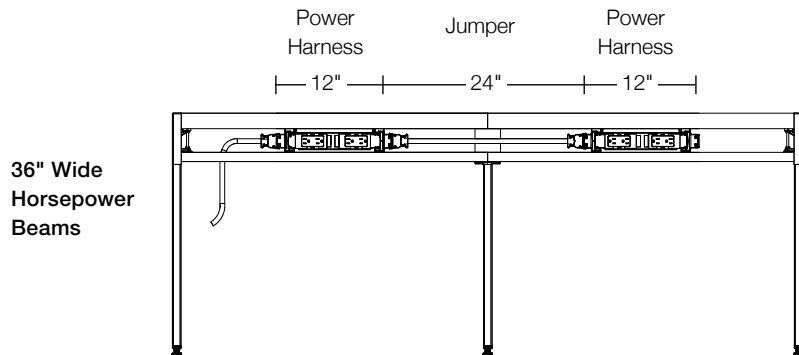
The Horsepower beam features two oval cutouts on either end for infeed conduit to enter power channel from the underside.



Horsepower

Electrical

Linked Horsepower Electrical Layouts



Horsepower

Electrical

2+2

Four 20-amp circuits, 8 wire configuration with four hots (12 gauge), two neutrals (10 gauge, 35A rated), two grounds.

Power harness and outlet modules: steel enclosure between molded polypropylene distribution blocks, 8-wire.

Jumper cables: flexible steel conduit with strain relief, 8-wire

Outlets: molded polycarbonate duplex preconfigured as circuit A, B (black), X, Y (black, orange or black with orange triangle)

Infeed: watertight conduit with 6' whip or hardwire box mounted to beam, 8-wire
Load should be balanced evenly among power circuits. In accordance with NEC2011 Article 210, the permissible load should not exceed 80% of the circuit ampere rating (which is 16 amps on each 20 amp branch circuit).

3+3

Six 20-amp circuits, 10 wire configuration with six hots (12 gauge), two neutrals (10 gauge, 35A rated), two grounds.

Power harness and outlet modules: steel enclosure between molded polypropylene distribution blocks, 10-wire.

Jumper cables: flexible steel conduit with strain relief, 10-wire

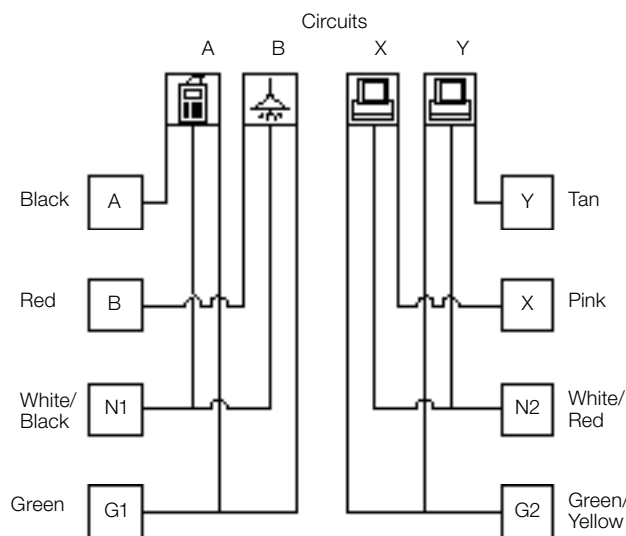
Outlets: molded polycarbonate duplex preconfigured as circuit A, B, C (black), X, Y, Z (black, orange or black with orange triangle)

Infeed: watertight conduit with 6' whip or hardwire box mounted to beam, 10-wire
Load should be balanced evenly among power circuits. In accordance with NEC2011 Article 210, the permissible load should not exceed 80% of the circuit ampere rating (which is 16 amps on each 20 amp branch circuit).

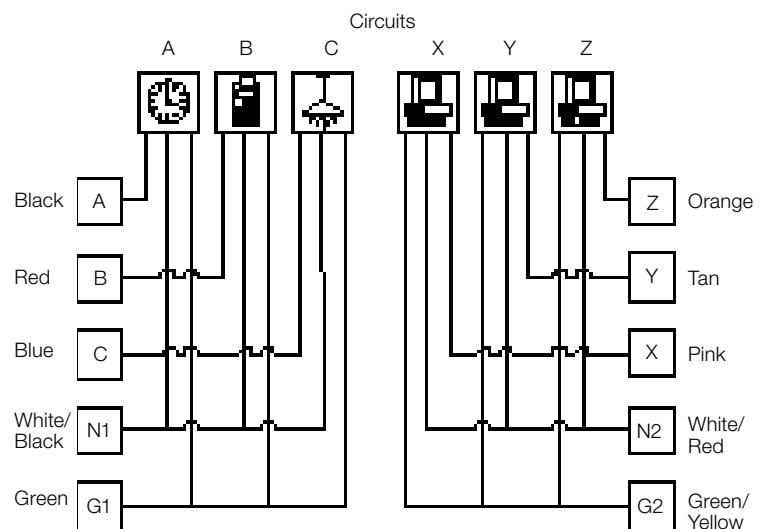
Horsepower is a listed product with U.L. in the QAWZ office furnishings category.

- File E76704 Volume 13, Section 1 (Furniture)
- File E76704 Volume 5, Section 5 (Electrical Accessories)

Wiring Diagram (2+2)



Wiring Diagram (3+3)



Horsepower

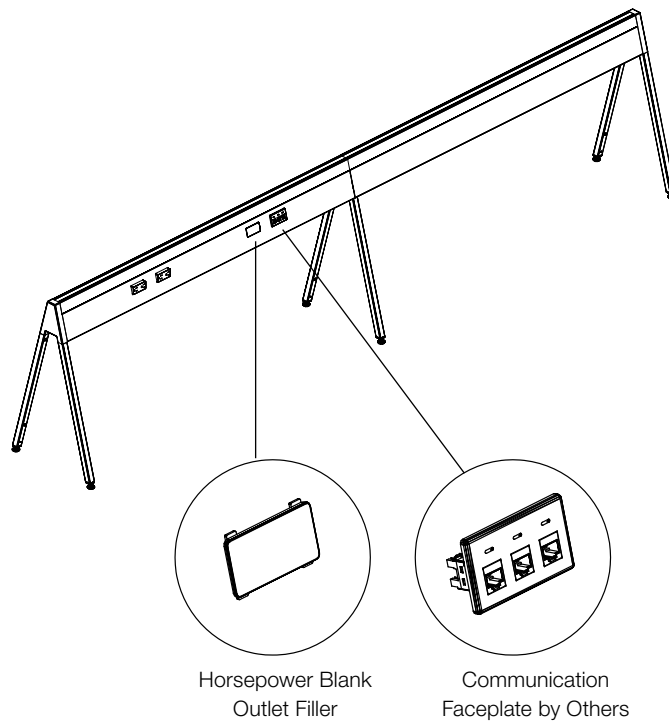
Data

Data and Communications

Data and communication faceplates can occupy one or more of the factory outlet cutouts in Horsepower Covers. Power harnesses cannot be located directly behind a data faceplate.

The PDC module extension kit is a set of ten collars that snap securely into an outlet opening in Horsepower covers to project a new outlet mounting position $\frac{1}{2}$ " away from the face of the box or cover. The added depth can be crucial if communications connectors are unusually deep and are arrayed back to back in the Horsepower channel.

Outlet fillers are a kit of ten plastic filler plates that flex to snap securely into any unused outlet opening in Horsepower covers. Installed covers are designed to closely mimic the appearance of adjacent power outlets. Fillers are black injection molded plastic.

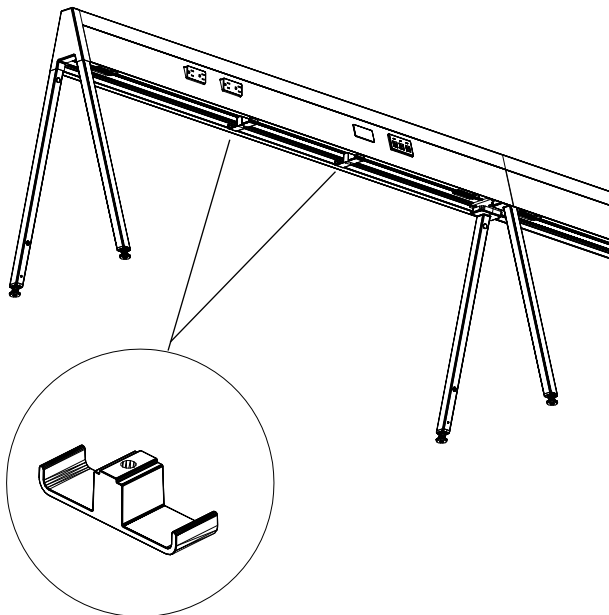


Horsepower

Cable Management

Cable Cleats for Horsepower Beam

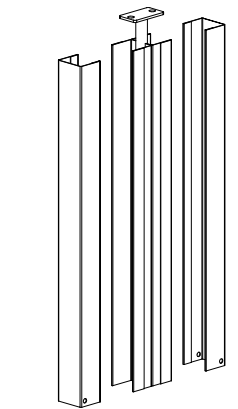
Cable Cleats for Horsepower attach to the underside of the beam to manage small bundles of data cables separately from power. Data cables can then enter and exit two oval cutouts at either of the beam as necessary. Up to twelve CAT6 cables, six on each side, can be managed by the clip.



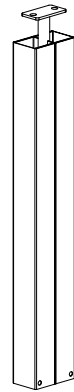
Cable Cleats for
Horsepower Beam

Vertical Wire Manager

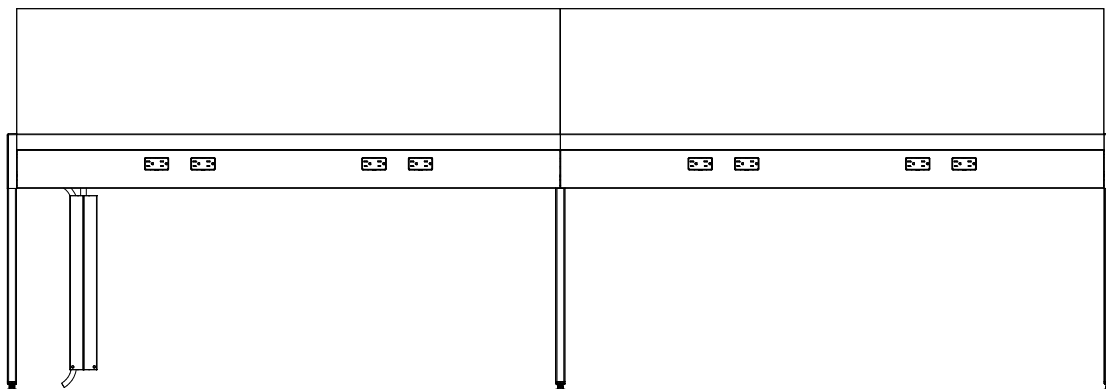
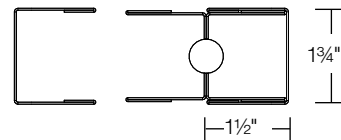
For Horsepower, cables can be managed from the floor up to the underside of the beam by a vertical wire manager. The H-shape internal frame is suspended from the beam, and provides lay-in channels separating power from data communication cables. U-shape side covers snap onto the frame to manage and conceal cables.



Vertical Wire Manager
Exploded Detail



Vertical Wire
Manager Assembly



Horsepower with Vertical Wire Manager Elevation

Horsepower Screens

Horsepower upmounted screens provide enclosure above 28½" high Linked Horsepower to a horizon of 42" or 49", which aligns with Antenna desk screens and other Antenna floorstanding components. Horsepower screens also mount to Independent Horsepower units 30"-72" wide to provide a mobile writable surface for collaborative spaces. Horsepower screens have wedge shape brackets to friction-fit into the beam at any point. Screens are available 30"-72" wide for corresponding Horsepower beam sizes.

Upmounted screens on Independent Horsepower require a lower shelf or cabinet with corresponding ballast kit.

Two types of screens are available:

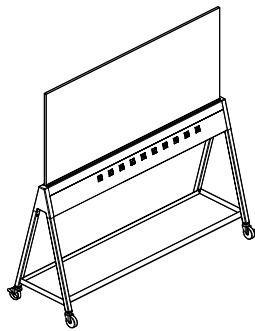
Frameless laminate or veneer screens are ½" MDF construction. Frameless glass screens are ½" tempered glass with polished edges.

Fabric screens have a ½" MDF core, with ⅜" thick tackable PET material inserts on each side wrapped in fabric, and aluminum perimeter frame with seamless corners.

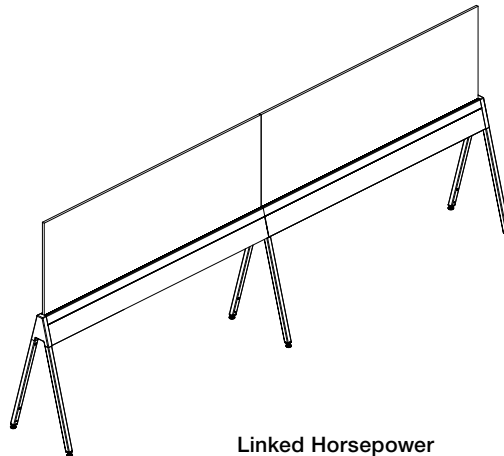
Specification Options

For frameless screens specify surface types: laminate (L) or veneer (V) or glass (G); finish, any core laminate or dry-erase marker surface (M), any core Techwood or natural veneer, or core glass finishes. Also, specify base frame color, in any core paint finish.

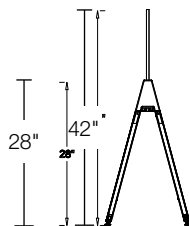
For fabric screens specify fabric, perimeter frame and brackets painted finishes.



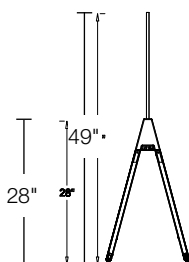
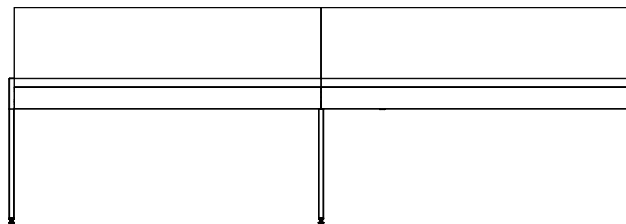
Independent Horsepower with
Screens, Metal Shelf and Ballast



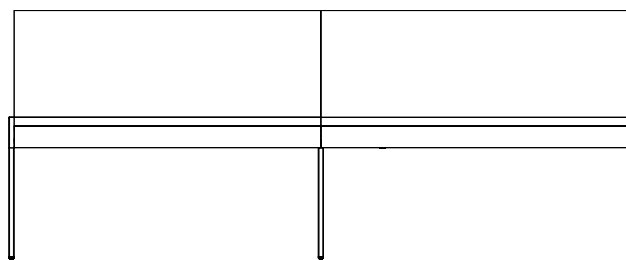
Linked Horsepower
with Screens



Linked Horsepower with Screens, 42" Horizon



Linked Horsepower with Screens, 49" Horizon



Horsepower Saddles

Horsepower Saddles mount onto Linked Horsepower beams to provide a convenient perch in community spaces, lounge areas, cafés and public lobbies to sit and recharge. Saddles also mount onto Independent Horsepower on glides.

Saddles mounted to Horsepower beams support a static load of 100lbs per linear foot.

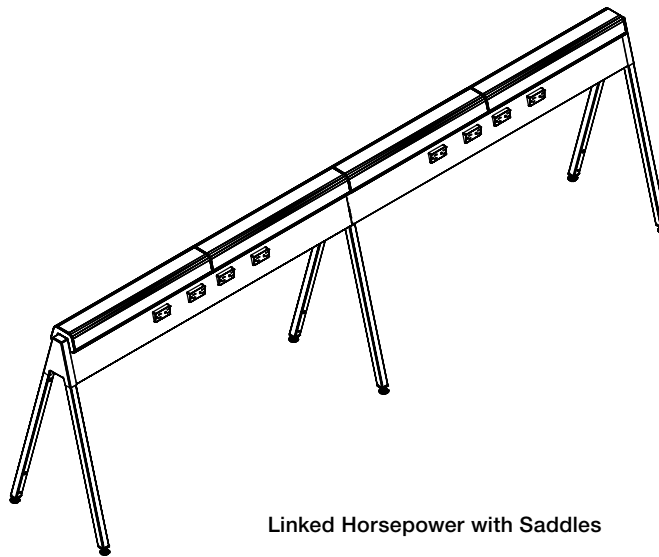
Saddles are available in 24", 30" and 36" wide.

Construction

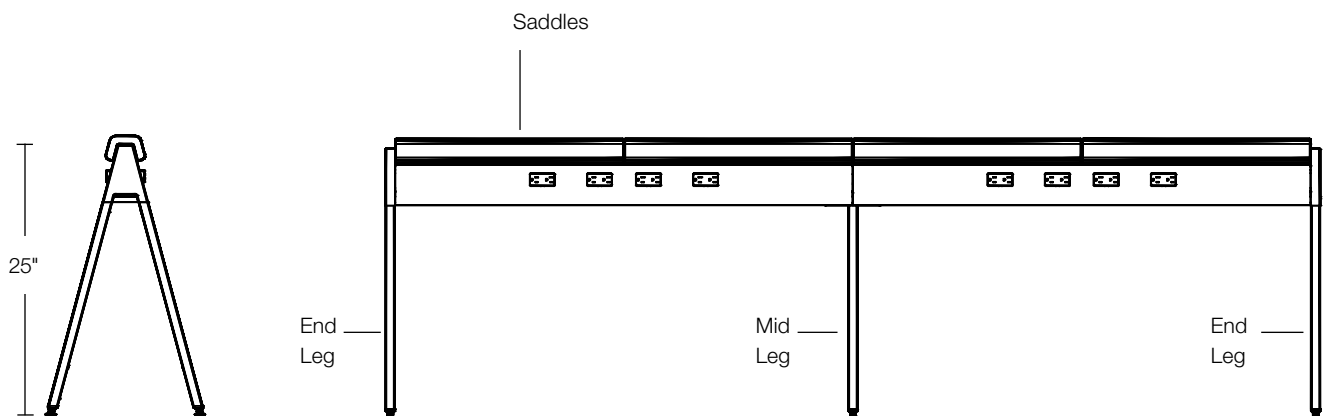
Horsepower Saddles are a durable self-skinning urethane foam attaching with hook and loop to an ABS mounting block.

Specification Options

Saddles default black.



Linked Horsepower with Saddles



25" High Linked Horsepower
with Saddle End Elevation

Linked Horsepower with Saddles

Horsepower

Upmounted Shelves

Over Counters

Horsepower Track Shaped Over Counters mount directly above an Independent Horsepower beam to offer a small shelf for personal devices while charging. Counters are available in 8"D and are 9" wider than the corresponding Independent Horsepower width in a $\frac{3}{4}$ " thick laminate or veneer surface.

Upmounted Platforms

Horsepower Upmounted Platforms are a rectangular laminate or veneer surface that mounts on stanchions on the beam of Linked Horsepower.

Platforms are 12"D, and centered over the Horsepower Beam, in widths of 36", 48", 60", 66" and 72".

Platforms 36" and 48" wide have two stanchion supports and platforms 60", 66" and 72" wide have three stanchion supports.

Platform support stanchions lift top of platforms to $34\frac{1}{2}$ " above the floor.

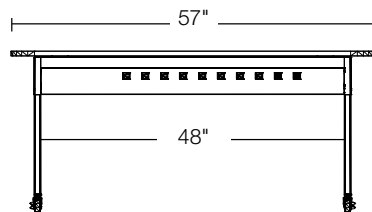
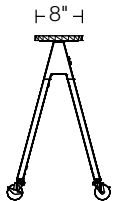
Construction

Counters and Platforms are solid $\frac{3}{4}$ " thick MDF with laminate top and bottom and matching ABS edge or veneer on all surfaces. Threaded inserts are positioned over mounting brackets.

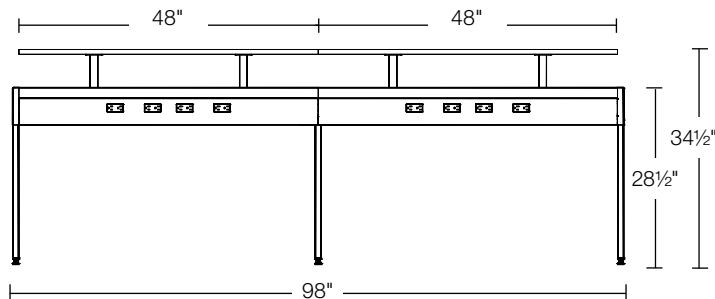
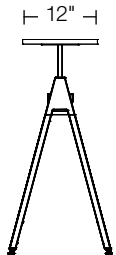
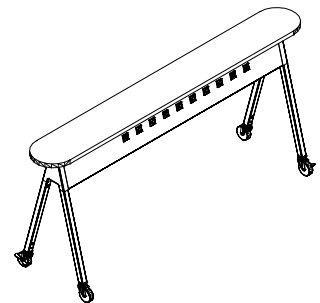
Counter mounting brackets are cast aluminum. Platform stanchions are extruded aluminum, with cast adapters specific to Horsepower. Top plate connector is steel.

Specification Options

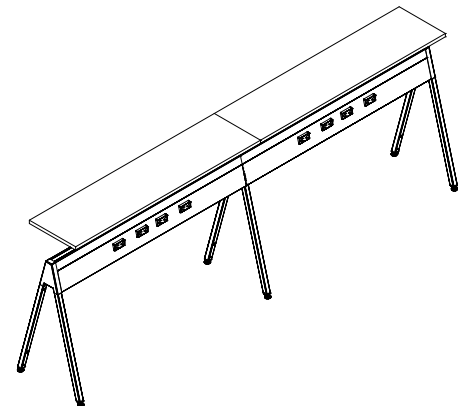
Specify either a laminate (L) or veneer (V) surface. Surface finish is available in any Knoll Core laminate or veneer finish. Counter or Platform support brackets are available in any Knoll Core paint finish, Dark Red or Slate Blue.



Independent Horsepower
with Over Counter



Linked Horsepower with
Upmounted Platforms



Horsepower

Wood Cabinets

Horsepower Suspended Wood Cabinets and Shelves

Horsepower horizontal wood cabinets and shelves mount between two legs on either Independent Horsepower or Linked Horsepower to provide lower storage that supports and defines workstations, offices or activity spaces. Cabinets and shelves are available for either 25" or 28½" high Horsepower.

Horsepower horizontal wood cabinets for 25" high Horsepower are 13"H x 13"D, with 11½" clear interior height. Cabinets for 28½" high Horsepower are 15"H x 15"D, with 13½" clear interior height for binder storage. Cabinet sides, top and bottom are ¾" thick, in laminate or veneer, or a combination of laminates. Cabinets and shelves 48" or wider include a painted stiffener to reinforce the bottom shelf that mounts centered on the underside of the case into metal inserts.

Horsepower Mounting Kits

Horsepower cabinet mounting brackets attach to the inside face of End Legs or Mid Legs to support all four corners of a wood cabinet or shelf. End Bracket Mounting Kits include four brackets (two lefts and two rights) to support all four corners of a single wood cabinet or shelf, not adjacent to another cabinet or shelf.

Mid Bracket Mounting Kits include two non-handed shared brackets that support four corners of two adjacent cabinets at the mid leg. If specifying a continuous run of cabinets for Linked Horsepower, specify one End Bracket Mounting Kit in addition to one Mid Bracket Mounting Kit for every joint between adjacent cabinets.

Horsepower Suspended Open Wood Cabinets

Open cabinets are available in three configurations: open shelf with center gable, open shelf with enclosed back and shared open front with enclosed back. Open horizontal cabinets are available in 24", 30", 36", 48", 60", 66" and 72" widths, and shared open cabinets are available in 48", 60", 66" and 72" widths.

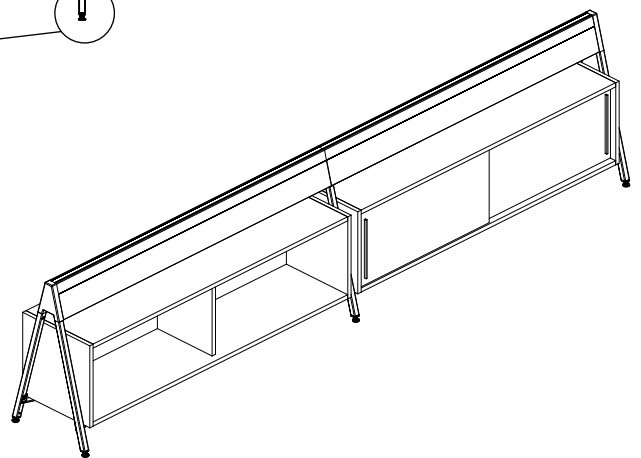
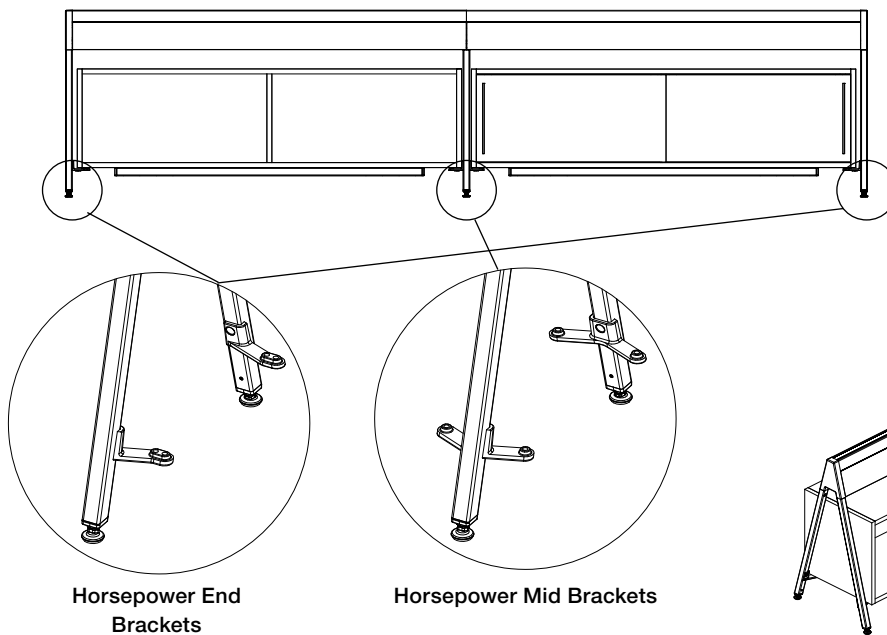
Open shelf cabinets have a center partition parallel to the open front and back that provides structural support and serves to filter sightlines through the cabinet. Cabinets 24"-36" have a 6" wide center panel, cabinets 48" and wider have a 12" center panel. Support panel and all interior surfaces can be specified in a different laminate than exterior surfaces.

Open shelf with enclosed back includes a full back, recessed ½" for optional fabric insert, specified separately. Both sides of recessed backs are considered interior surfaces, if specifying two-tone laminate finishes.

Shared open front with enclosed back cabinets include flush backs. The exterior face of flush backs will match the exterior core laminate finish.

Horsepower Suspended Wood Shelf

Horsepower horizontal wood shelves mount between two legs to provide a lower display shelf. Wood shelves include 4" high side gables on either end. Horsepower wood shelves are 13"D for 25" high Horsepower or 15"D for 28½" high Horsepower. Horsepower wood shelves are available in 24", 30", 36", 48", 60", 66" and 72" widths. The exterior surfaces include the inside of side gables and top of shelf.



Linked Horsepower with Open Cabinet and Sliding Door Cabinet

Horsepower

Wood Cabinets

Horsepower Suspended Enclosed Wood Cabinets

Horsepower horizontal enclosed wood cabinets are available in two configurations: sliding door cabinet case with overlapping sliding doors or shared sliding door cabinets. All enclosed horizontal cabinets are available in 48", 60", 66" and 72" widths.

Sliding door cabinets with overlapping sliding doors have two half-width doors, in laminate or veneer surface and a full back, recessed $\frac{1}{2}$ " for optional fabric insert, specified separately. Sliding door cabinets include a center partition for structure.

Shared sliding door cabinets have a sliding door on each face overlapping the recessed back of the cabinet facing the other side. Cabinets can be specified with both opening on the left or both on the right.

Enclosed Horsepower cabinets can be specified in all laminate or veneer or mixed surface laminate: all interior surfaces of laminate cabinet can be specified in a contrasting core or accent laminate. Partition and inset back are considered interior surfaces on both faces.

Horsepower Counterweight Kits

Upmounted screens or monitors on Independent Horsepower require a lower shelf or cabinet with corresponding ballast kit. Ballast kits include a pair of flat steel counterweights that mount to the underside of the cabinet case or shelf with machine screws and metal inserts. Ballast kits are available for 30", 36" and 48" wide wood cabinets and shelves.

Construction

Case is composed of $\frac{3}{4}$ " thick wood panels, with discreet glue-and-dowel connections. Case mounting brackets are cast aluminum. Cabinet stiffeners are 1 $\frac{1}{4}$ " square steel tube. Stiffener end caps are die cast aluminum.

Specification Options

Specify laminate (L), "mixed" two-tone laminate (L) or veneer (V) case.

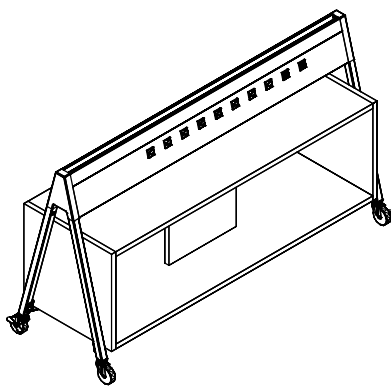
Case finish exterior is available in any Knoll core laminate or veneer. When the case exterior is laminate, case interior and inset back are available in any Knoll Core or Accent laminate. When an Accent laminate is specified, the edgeband will match the exterior core laminate finish.

Cabinet stiffeners and mounting brackets (specified separately) are available in any Knoll Core paint finish, Dark Red, Slate Blue or Black Wrinkle.

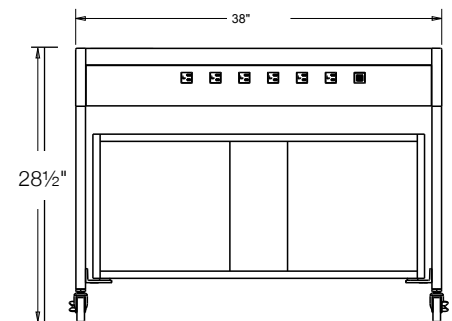
Door sets are specified separately to enable any combination of wood or laminate case and doors. Specify door front sets in any Knoll Core laminate (L) or veneer (V).

Pulls and mounting brackets are available in any Knoll Core paint finish, Dark Red or Slate Blue.

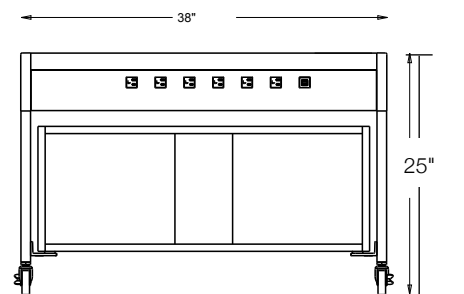
Counterweights are painted black.



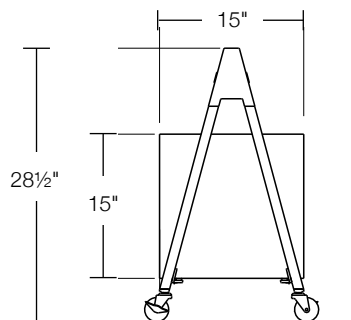
Independent Horsepower
with Cabinet



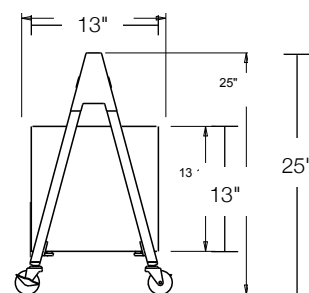
28 1/2" High Independent
Horsepower with Wood
Cabinet Side Elevation



25" High Independent Horsepower
with Wood Cabinets Side Elevation



28 1/2" High Independent
Horsepower with Wood
Cabinet End Elevation



25" High Independent
Horsepower with Wood
Cabinet End Elevation

Horsepower

Metal Shelves

Horsepower Suspended Metal Shelves

Horsepower horizontal metal shelves mount between Independent Horsepower end legs to provide a lower display shelf.

Metal shelves are available for either 25" or 28½" high Independent Horsepower and include the necessary attachment hardware for mounting to end legs.

Horsepower Counterweight Kits

Upmounted screens on Independent Horsepower require a lower shelf or cabinet with corresponding ballast kit. Ballast kits include a pair of flat steel counterweights that mount to the underside of the metal shelf. Ballast kits are available for 30", 36" and 48" wide metal shelves.

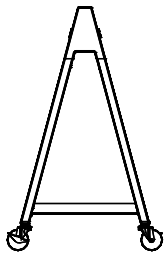
Construction

Metal shelves are formed heavy gauge steel.

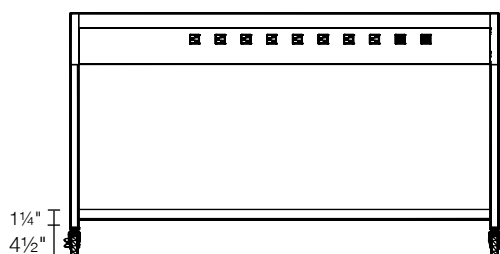
Specification Options

Metal shelves are available in any Knoll Core paint finish, Dark Red, Slate Blue or Black Wrinkle.

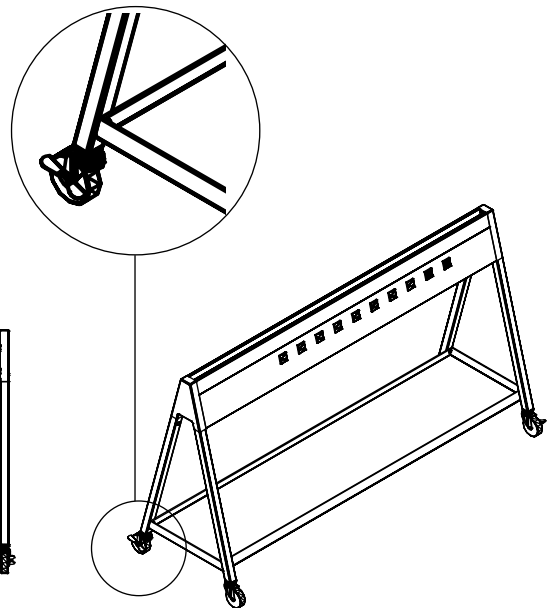
Counterweights are painted black.



Independent
Horsepower
with Metal Shelf
End Elevation



Independent Horsepower
with Metal Shelf
Side Elevation



Independent Horsepower
with Metal Shelf

Horsepower

Accessories

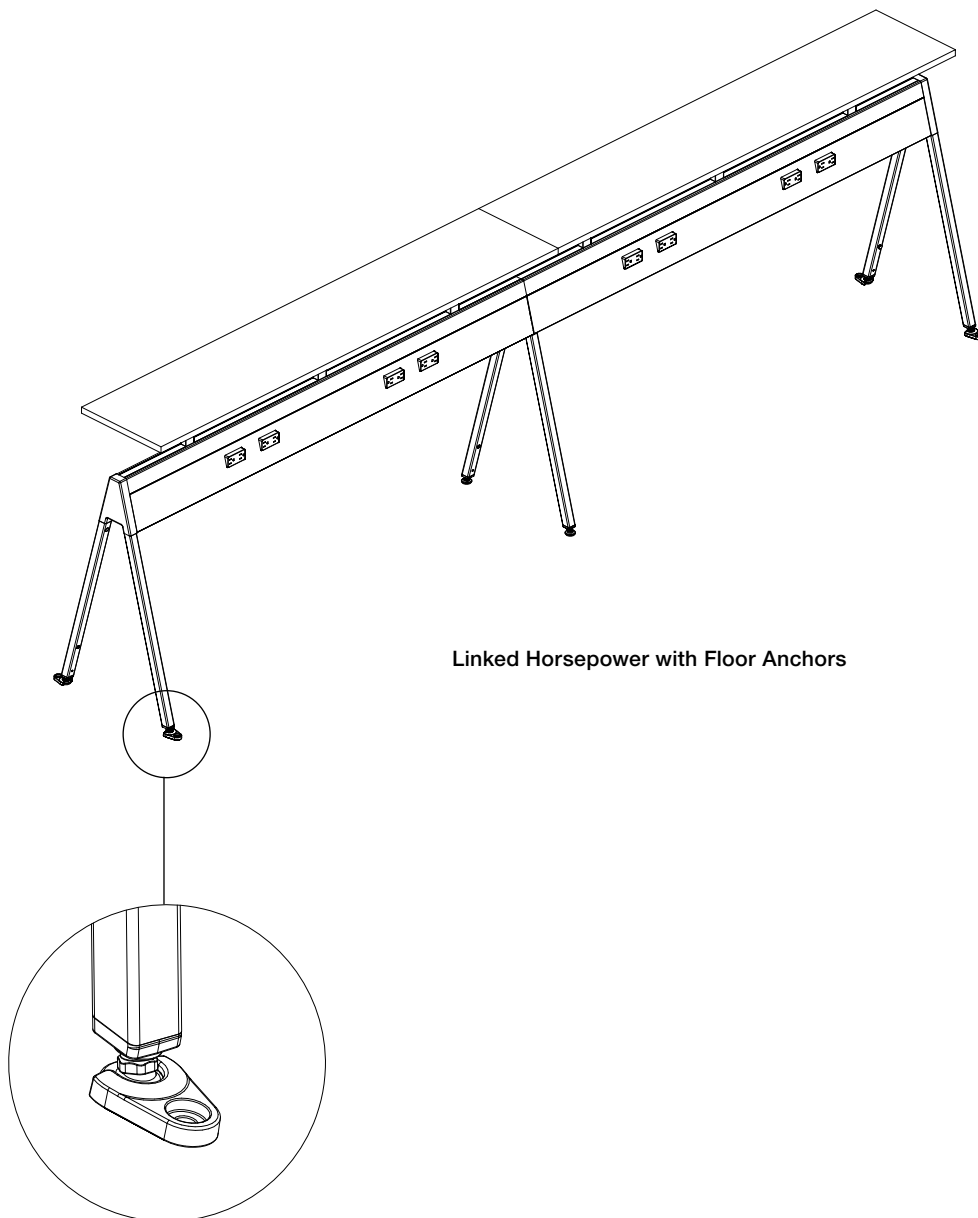
Horsepower floor anchors secure levelers to the floor in high-use or high-security areas when used with suitable fasteners for the floor construction type, compliant with applicable building codes or regulations.

Construction

Floor Anchors are die-cast aluminum.

Specification Options

Floor Anchors default to a fine polish finish.



Linked Horsepower with Floor Anchors

Floor Anchor Detail