

Horsepower™ Planning Guide

Knoll

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Introduction To Basic Elements

Horsepower

Horsepower™

Horsepower

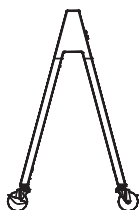
Horsepower is a lightweight freestanding technology channel and source of power for Activity Spaces and open planning. Horsepower has two main planning modes:

Independent Horsepower

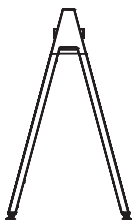
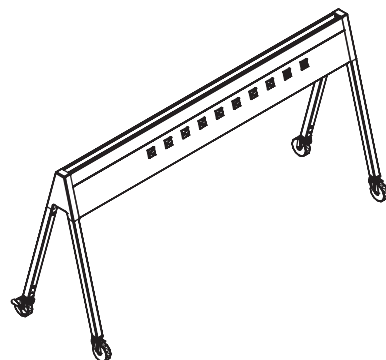
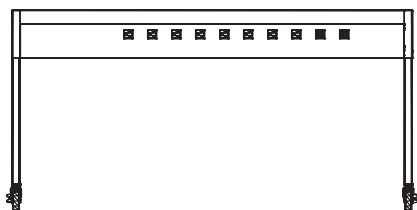
The independent, cord-set module serves as an on-demand, mobile power source suited to a range of Activity Spaces. Video display, whiteboard and open storage options equip flexible, shared work areas.

Linked Horsepower

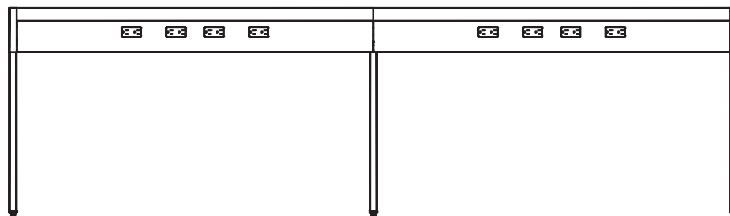
Linked horsepower modules can also furnish dynamic open plan environments with hardwired, multi-circuit power and cable management, suspended storage, upmounted platforms, desk supports and privacy screens. Optional seat cushions create an impromptu power bench in community spaces to sit and recharge.



Independent Horsepower



Linked Horsepower



Planning Guidelines For Horsepower

Mobile, Sawhorse, Perch and Beam

Horsepower™

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

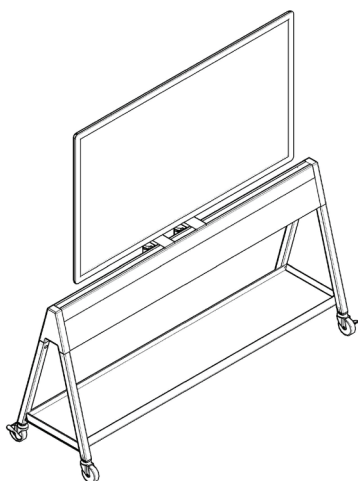
Compact Independent Horsepower units provide desk end support with discreet power access. Sawhorse Desks are assembled from a top, starter rails and two corresponding depth Independent Horsepower units.

Horsepower Perch

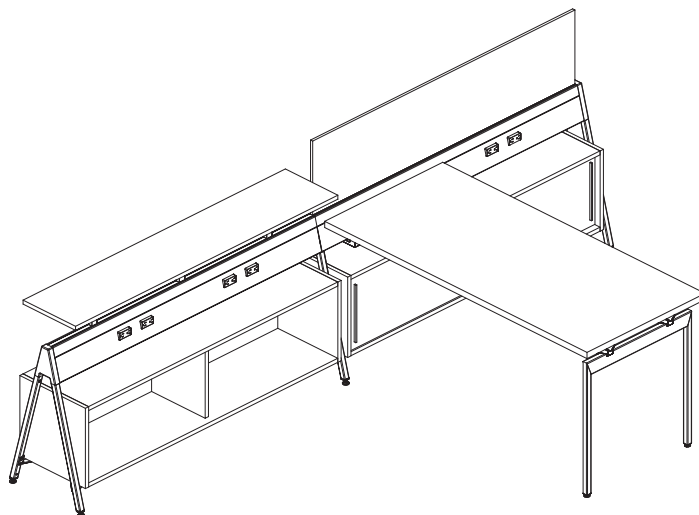
Horsepower Perch invites people to connect—to each other and their devices, offering a comfortable seat for casual exchanges and convenient access to power and USB outlets.

Horsepower Beam

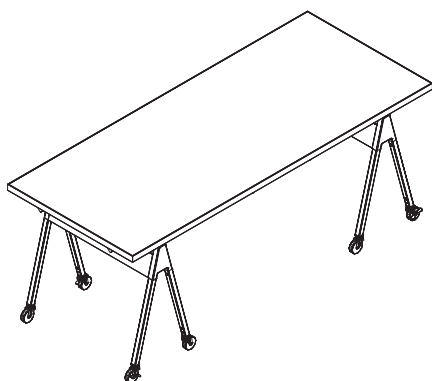
Horsepower features a light open service beam intended to define the center of a cluster or the perimeter of a team space. Horsepower distributes and manages power, data and communications for a group of workspaces through the use of convenient outlets and accessible cable cleats under the beam. The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



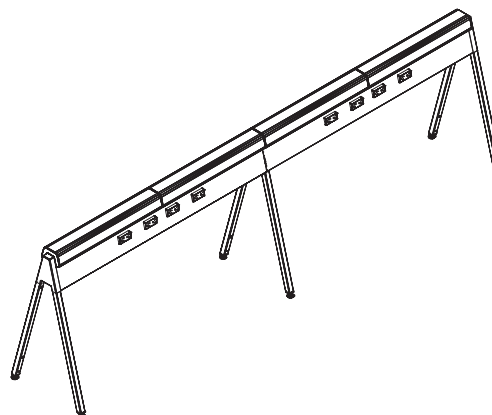
Mobile Horsepower



Horsepower Beam



Sawhorse Desk



Horsepower Perch

Horsepower Technology Cart

Planning Guidelines and Specifications

Horsepower™

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:

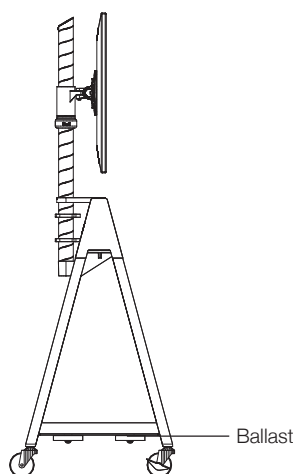
- Independent Horsepower
- Sapper Horsepower 20 lb. or 30 lb. mount (KnollExtra price list)
- Down-mounted cabinet or metal shelf
- Horsepower Ballast Kit

Construction

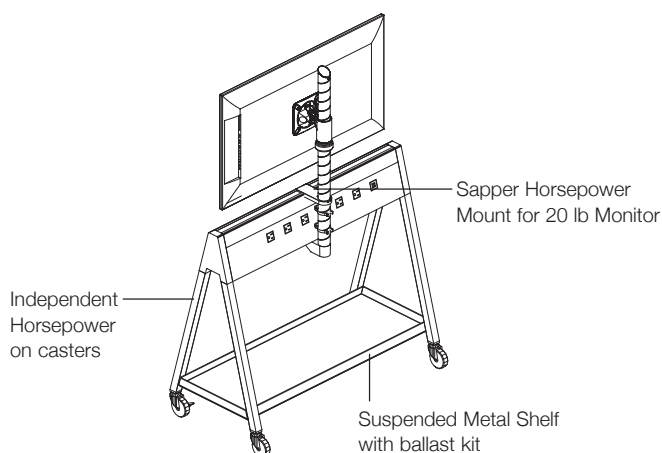
The Sapper mounts are cast aluminum and the VESA plate is painted steel.

Specification Options

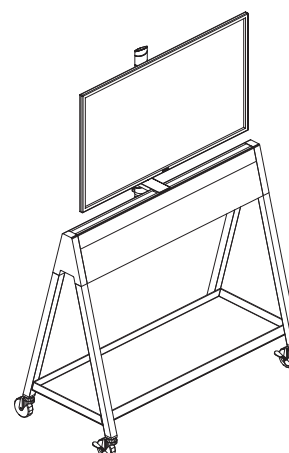
The Sapper mounts are available in any Knoll Core paint finish, Dark Red or Slate Blue. The VESA plates and sleeve arms are available in black.



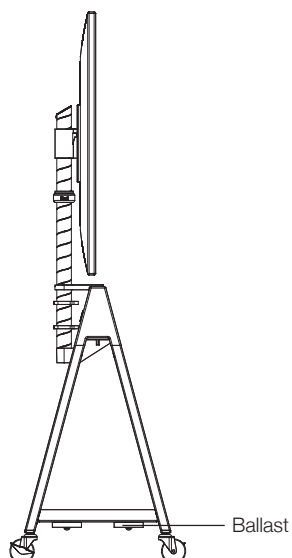
Horsepower Technology Cart End Elevation



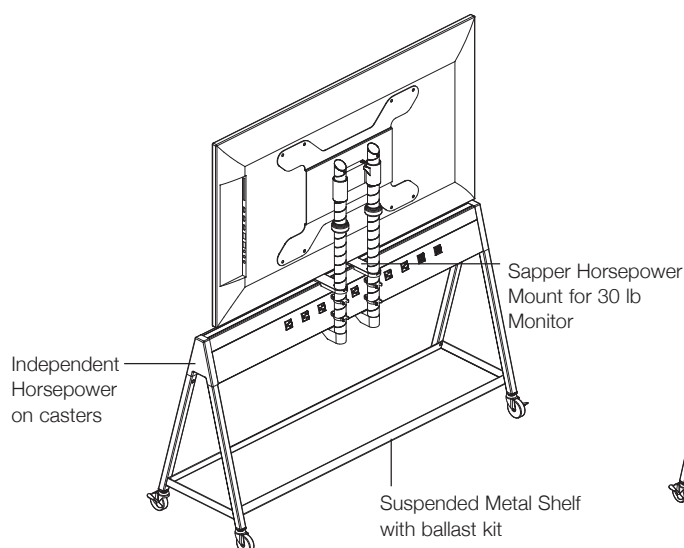
Horsepower Technology Cart



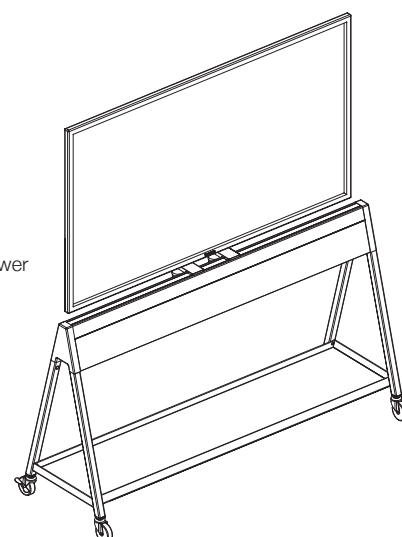
Horsepower Technology Cart



Horsepower Technology Cart End Elevation



Horsepower Technology Cart



Horsepower Technology Cart

Independent Horsepower

Planning Guidelines and Specifications

Horsepower™

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. Beam top caps, specified separately, fill the top channel slot of a beam when no screens are planned.

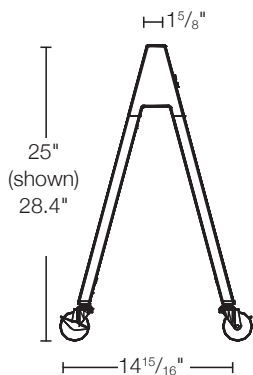
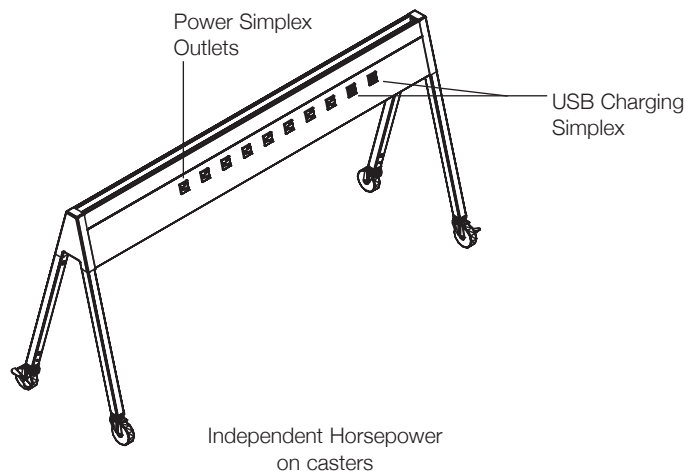
Construction

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

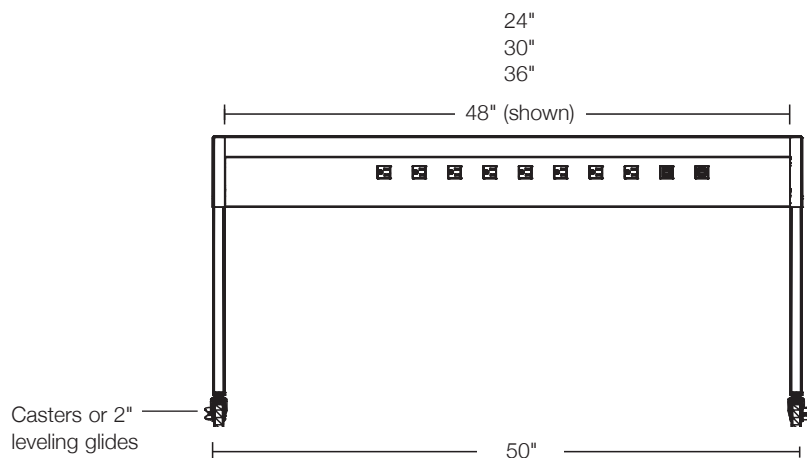
Horsepower Beams and Covers are extruded aluminum.

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.



Independent Horsepower on casters End Elevation



Independent Horsepower on casters Side Elevation

Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

Linked Horsepower enables tables and desk arrangements to be moved independently of the beam channel, or can be used to support one end of a desk.

Linked Horsepower can be configured at desk top height or at 25" height for a convenient perch in community spaces to sit and recharge. At either horizon, Horsepower can also support upmounted platforms, privacy screens or KnollExtra LED lighting as well as suspended storage. A Linked Horsepower configuration consists of various individual components: legs, beams, covers and power components.

Linked Horsepower includes two leg types for support: End Legs provide support at either end of a continuous run of connected beams and Mid Legs provide for support and connection between beams up to 72" wide mounted end-to-end. End Legs are outside of the module width, adding 1" on either end of a continuous run of Linked Horsepower. Mid legs are positioned centered between

adjacent beams and covers to maintain a consistent module width if planned with Antenna workstations. Legs include levelers with 1½" of adjustability. End legs are also available on casters for configuring a single mobile section of Horsepower with no power.

Horsepower beams include an upper and lower extruded aluminum beam that mounts between legs to create an open service channel for modular power distribution or hardwired outlet boxes. Beams are available 36", 48", 60", 66" and 72" wide. The upper beam features a continuous top channel for mounting various components. Beam top caps fill the top channel slot of a beam when no screens are planned. When upmounted platforms or KnollExtra T-lights are mounted to the top beam, top caps can be trimmed in the field to fit around brackets.

The lower beam features two oval cutouts on either end to allow for cable pass through to the power channel.

Horsepower Covers mount on either side of the open beam channel to conceal power distribution or provide enclosure for the open channel. Covers are available with or without outlet cutouts for access to power receptacles.

Construction

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

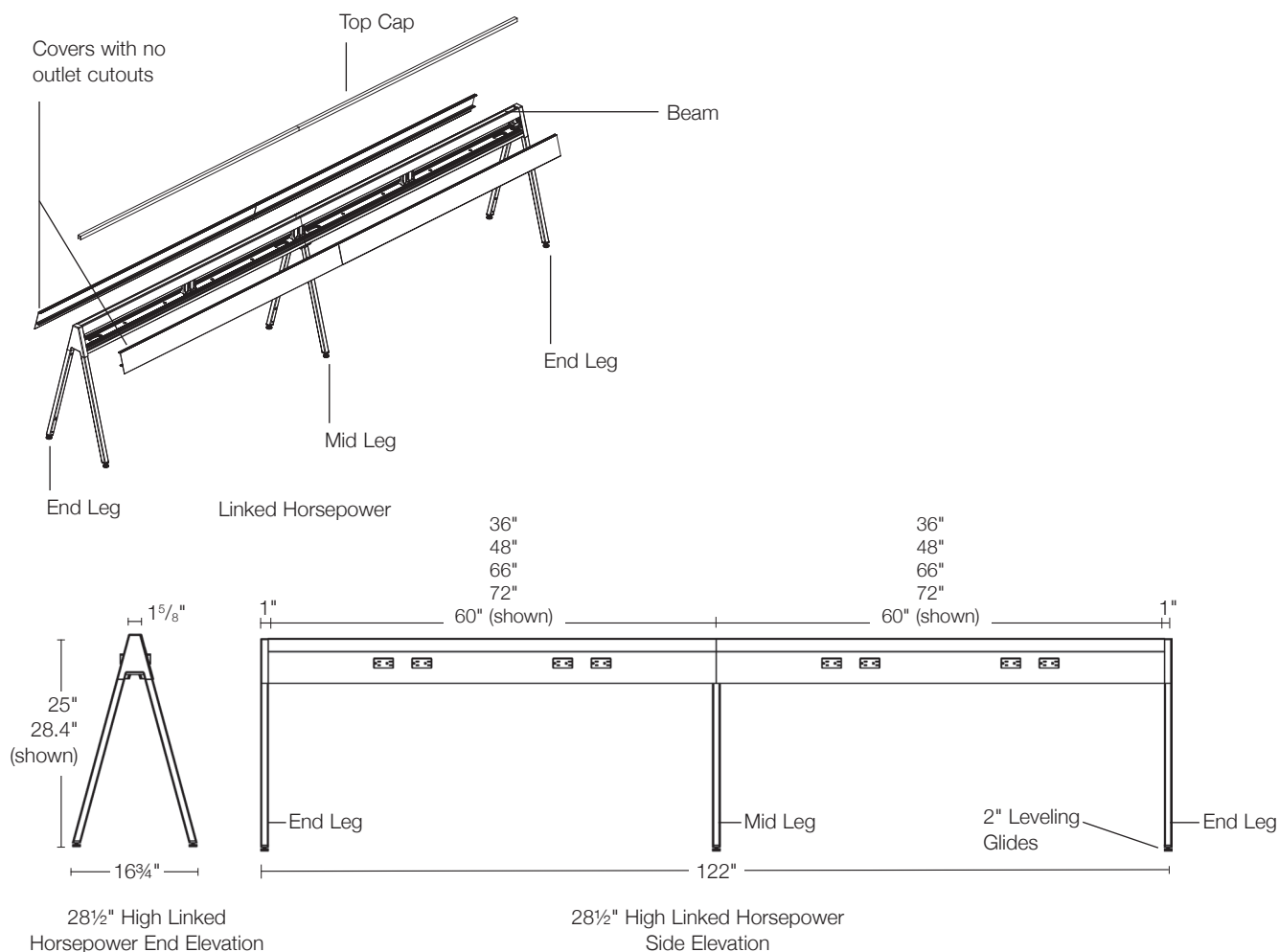
Horsepower Mid Legs include a steel top mounting plate, steel support column and 1" square steel legs.

Horsepower Beams and Covers are extruded aluminum.

Specification Options

Beams, legs and covers are available in any Knoll core, Dark Red, Slate Blue or Black Wrinkle paint finish.

Beam top caps are available in any Knoll core, Dark Red or Slate Blue paint finish.



Covers for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

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.

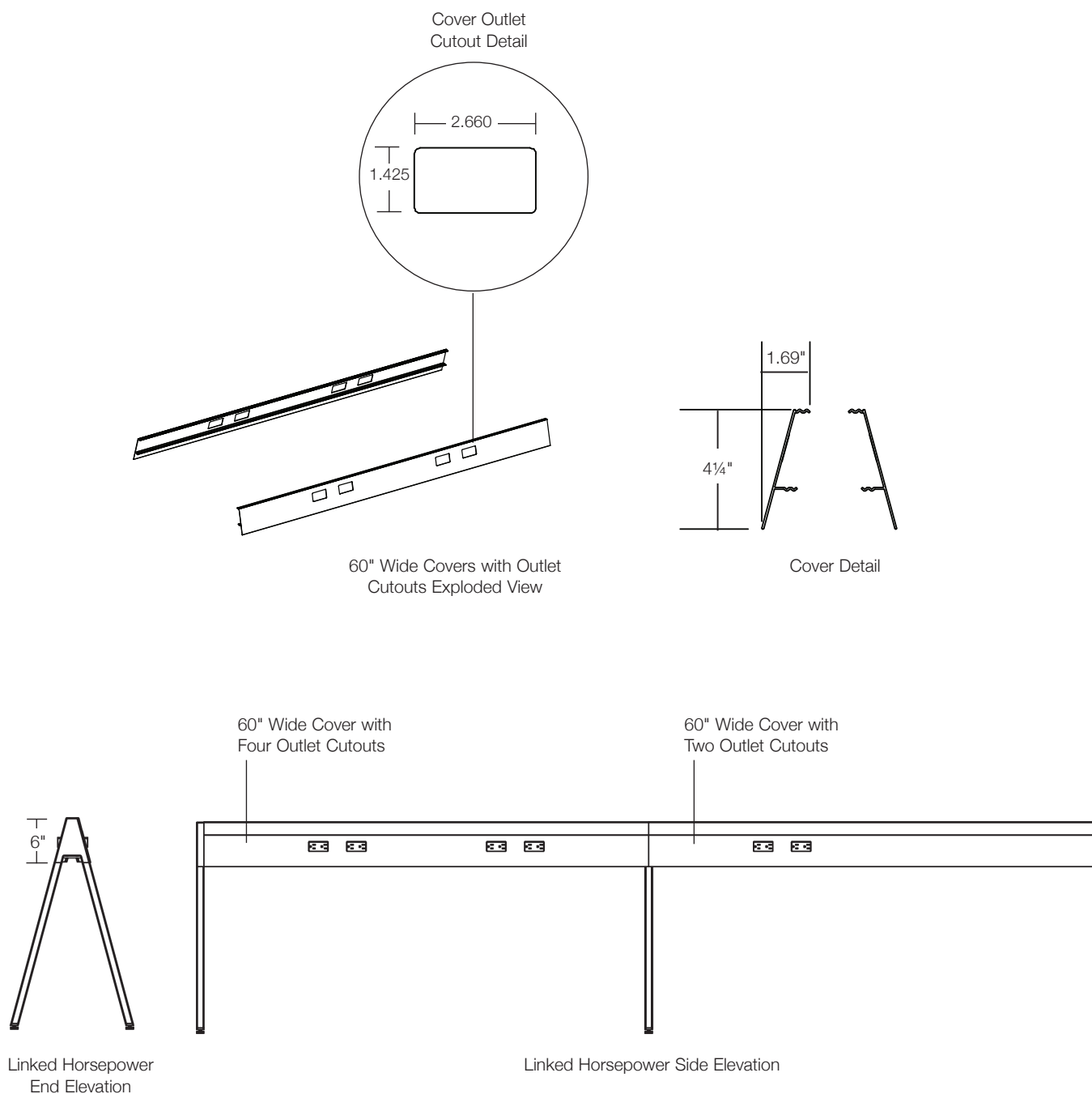
Horsepower Covers are available for hardwired solutions and include screws to fix covers to the beam for a secure attachment.

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

Planning Guidelines and Specifications

Horsepower™

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

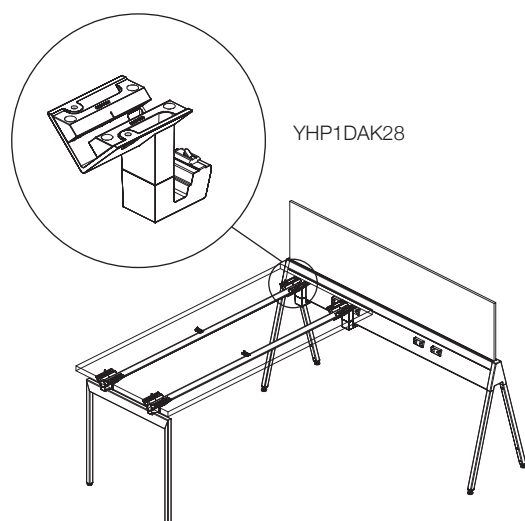
Antenna Simple Table support adapters are available for 28" high Linked Horsepower applications when High Range Desk Height Simple Tables are mounted parallel or perpendicular to the Horsepower beam. Desk support adapters connect metal inserts in the top to the supporting Horsepower Beam.

Construction

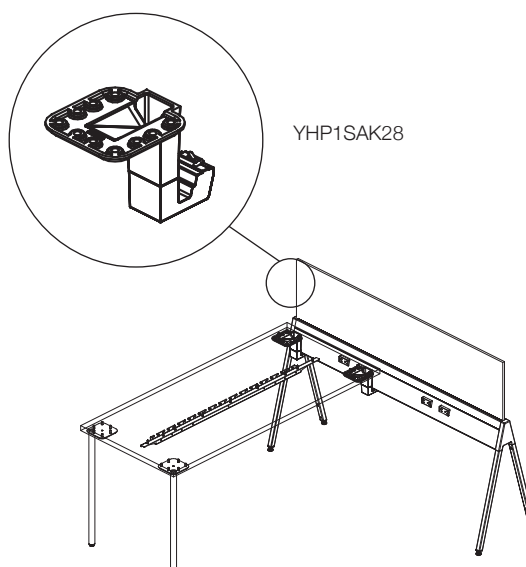
Desk and table adapters consist of painted, die cast aluminum cradles and brackets.

Specification Options

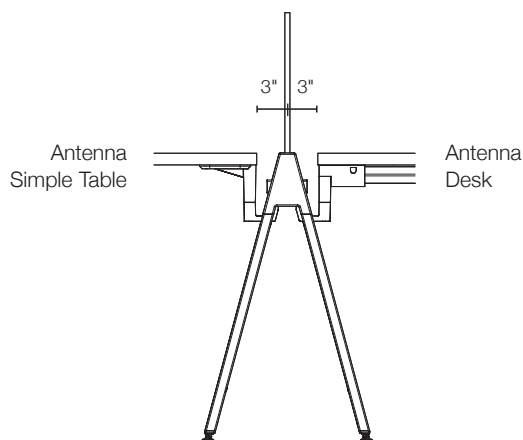
Specify desk support adapters in any Knoll core, Dark Red, Slate Blue, or Black Wrinkle paint finish.



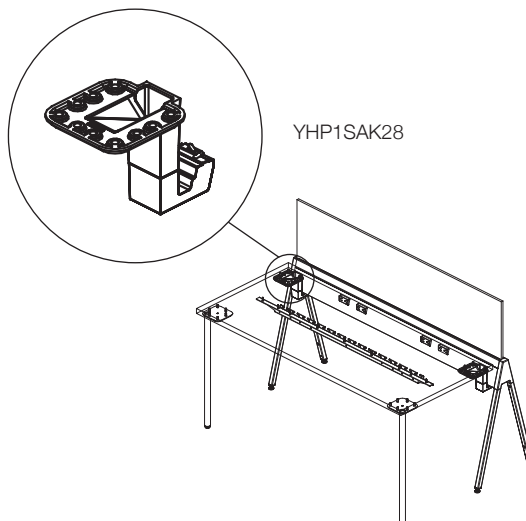
Antenna Desk Supported by
28½" High Horsepower



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

Planning Guidelines and Specifications

Horsepower™

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.

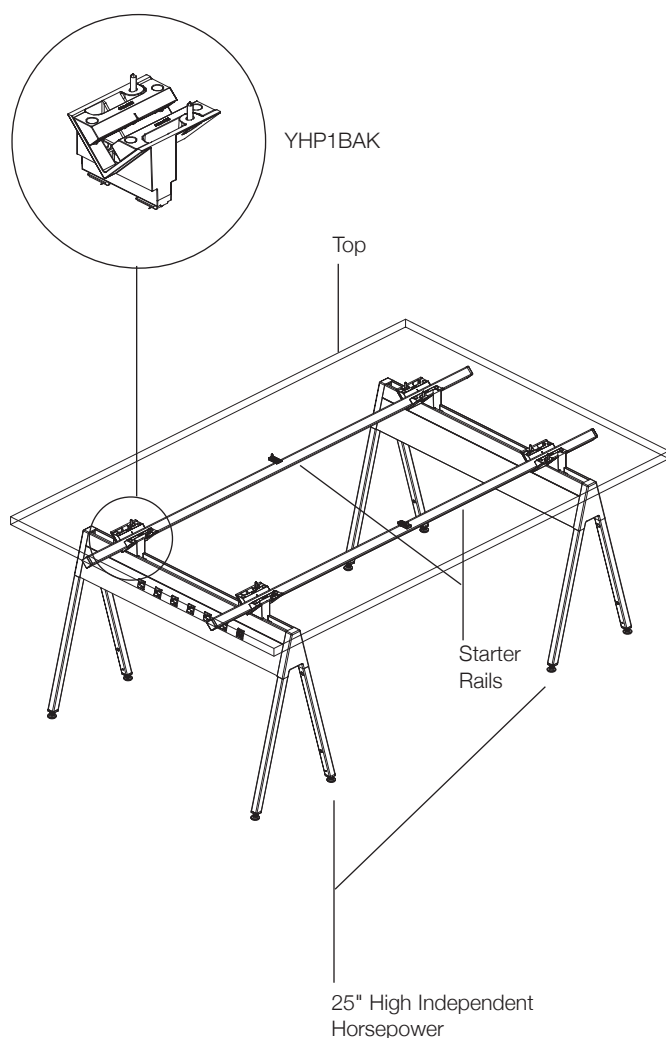
Starter rails are inset 1½" from each end of the top and Independent Horsepower supports are inset 9" from each end of the top to centerline of the Horsepower.

Construction

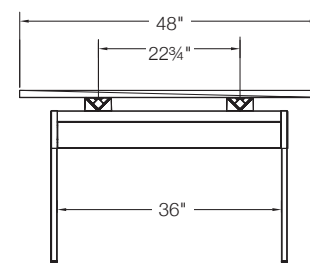
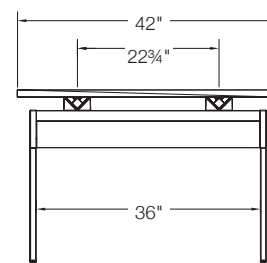
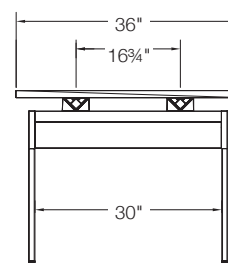
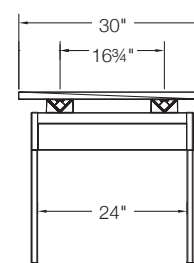
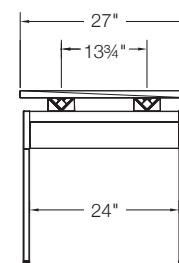
Sawhorse desk adapters consist of painted cast aluminum cradles and brackets.

Specification Options

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



Sawhorse Rail Spacing Diagram



Electrical Components for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

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

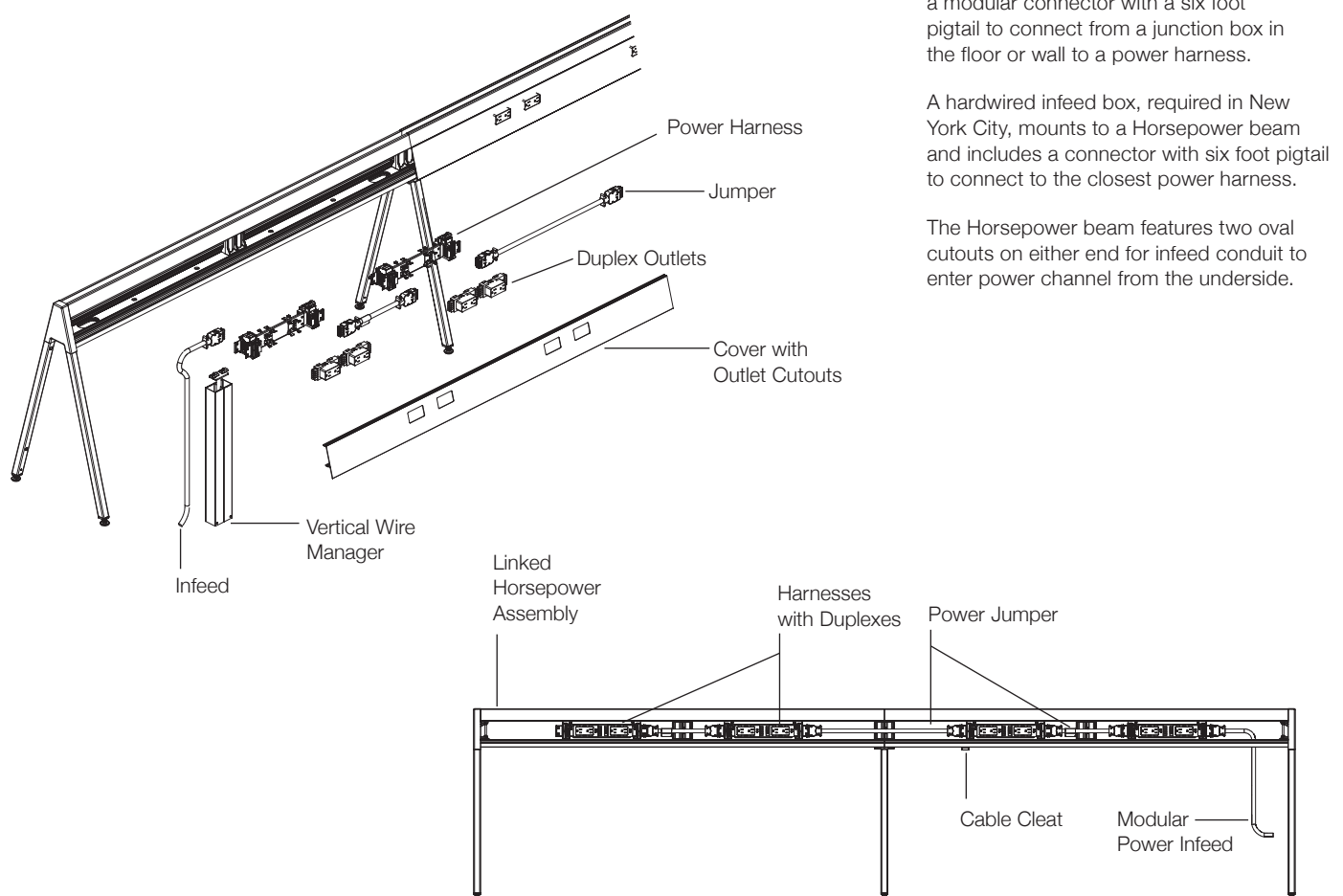
Single and Double Power Harness Kits for 60", 66" and 72" beam applications are configured to make specifying simple for the most frequently planned configurations. The Single Power Harness Kit includes a 12" wide harness and a jumper to the harness in the same location in the next beam. The Double Power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

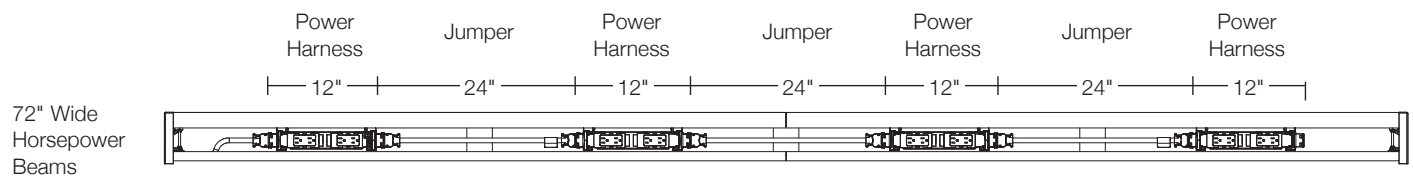
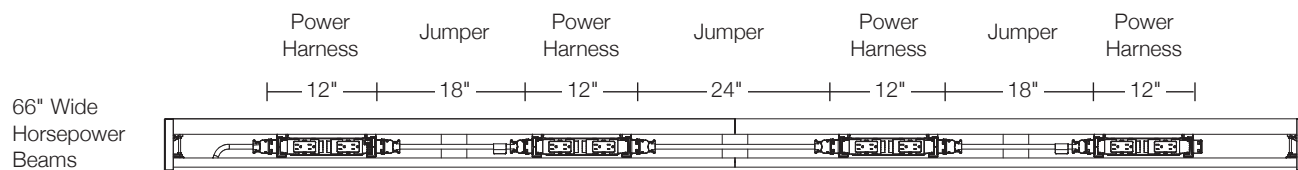
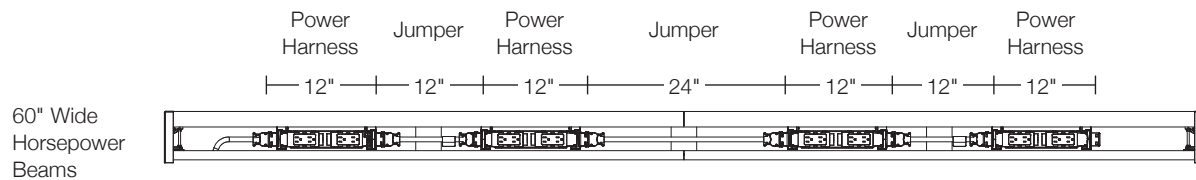
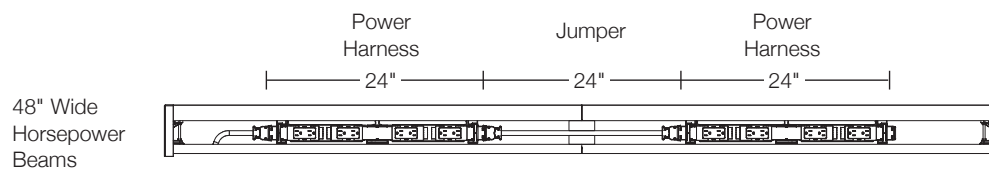
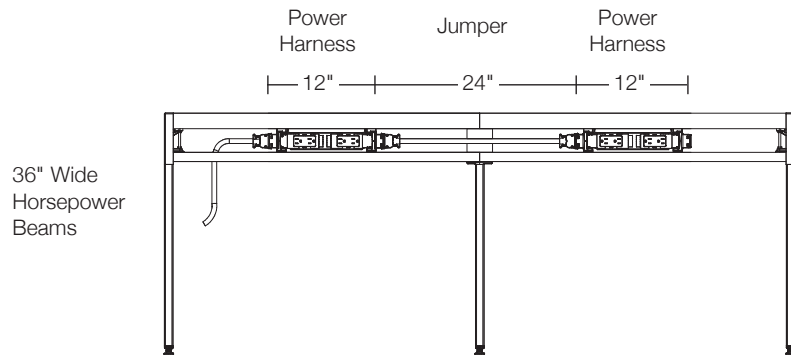


Electrical Components for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

Linked Horsepower Electrical Layouts



Electrical Components for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

Hardwired Outlet Box

A hardwired outlet box for use in Linked Horsepower is available. Hardwired outlet boxes house two outlets each and can be specified for one side or two sides for back-to-back outlets.

The Hardwired outlet box mounts into the Horsepower beam channel with a steel "A" shaped mounting bracket. For beams 48" wide only, a longer bracket is required to mount the hardwired outlet box centered and correspond with the 48" wide hardwired outlet covers.

The Horsepower hardwired outlet box is a U.L. listed electrical solution and when installed and configured by a licensed electrician it meets the requirements for City of Chicago

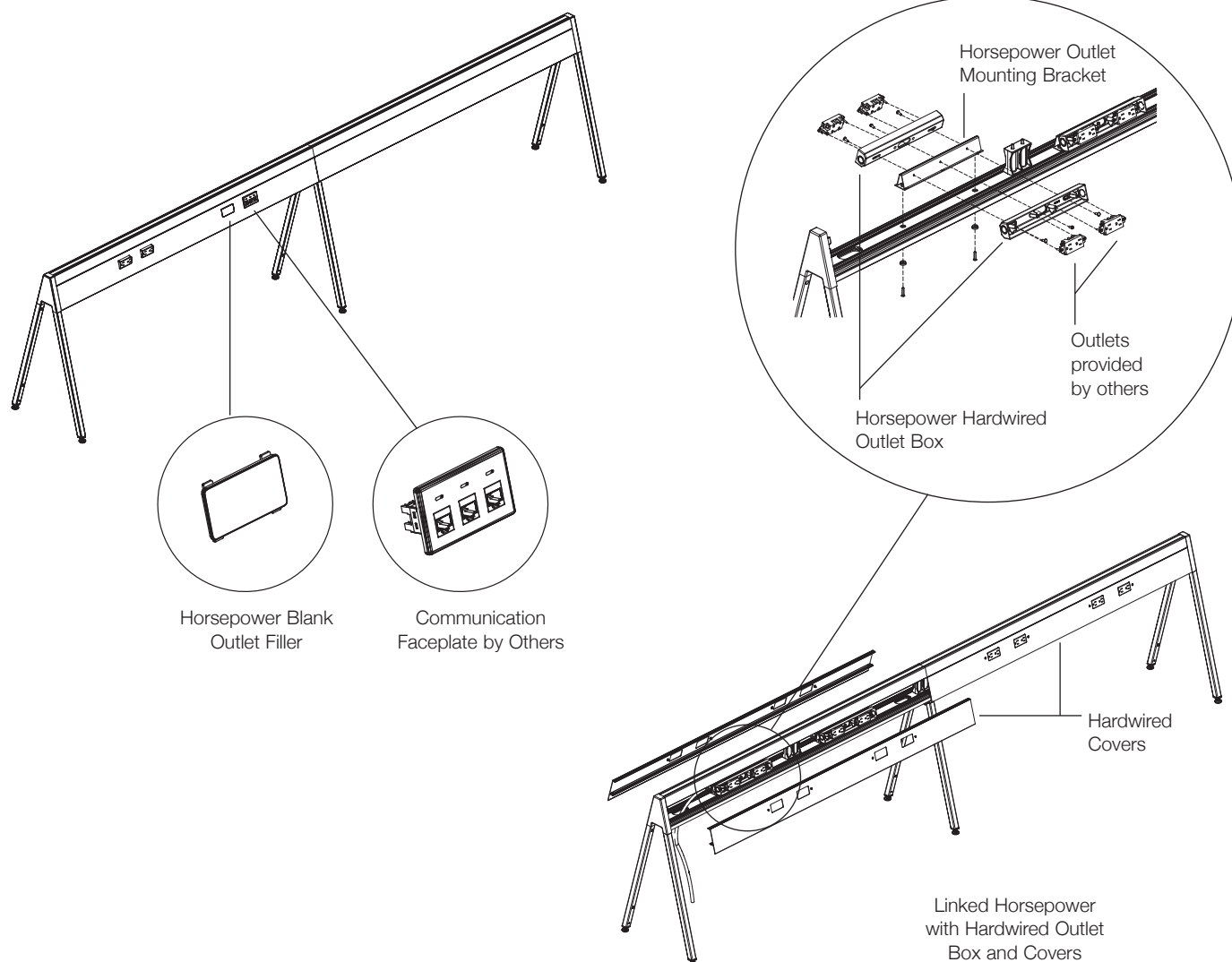
- File E76704 Vol 5, Sec. 5.

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.



Electrical Components for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

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)

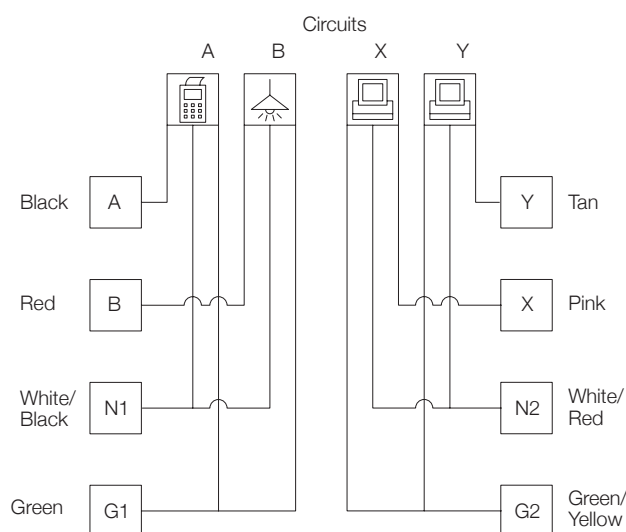
Infeed: watertight conduit with 6' whip or hardwire box mounted to beam, 10-wire

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).

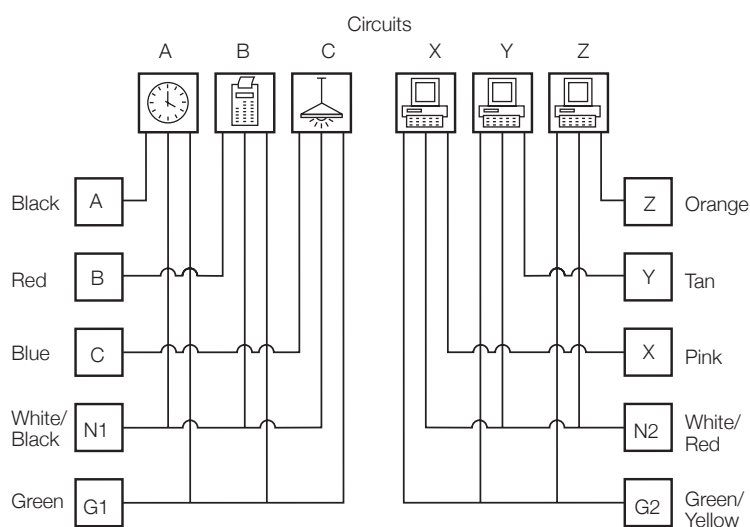
Horsepower is a listed product with U.L. in the QAWZ office furnishings category.

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

Wiring Diagram (2+2)



Wiring Diagram (3+3)



Electrical Components for Linked Horsepower

Planning Guidelines and Specifications

Horsepower™

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.

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.

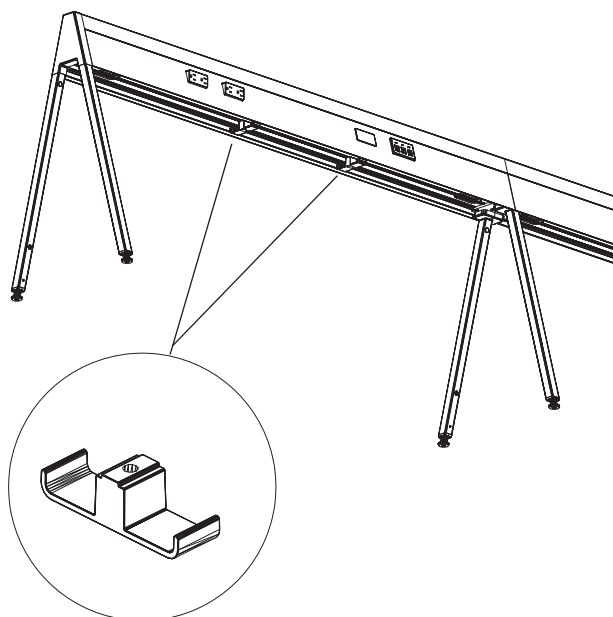
Construction

Cable clips are die cast aluminum. Vertical wire manger frames and covers are formed steel.

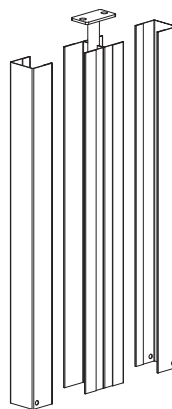
Hardwired Outlet box is black ABS and mounting bracket is painted steel.

Specification Options

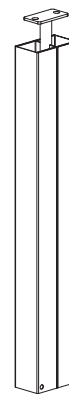
Cable clips are medium grey. Vertical wire managers may be specified in any Knoll Core paint finish, Dark Red, Slate Blue or Black Wrinkle.



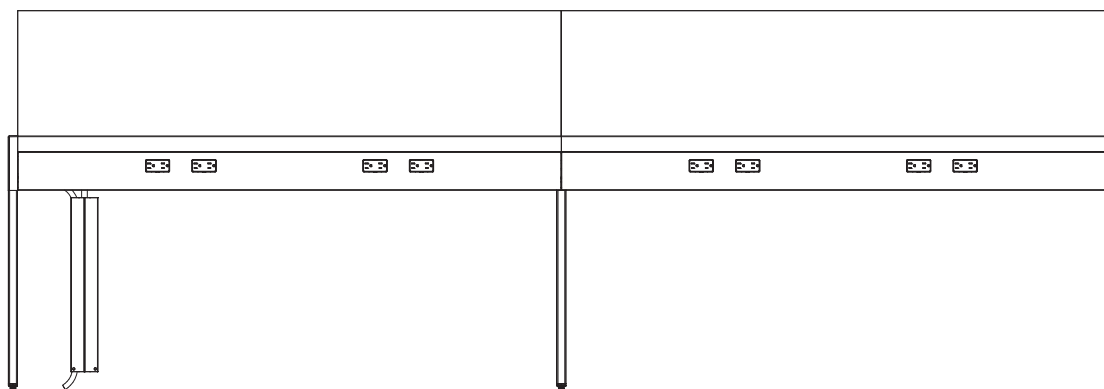
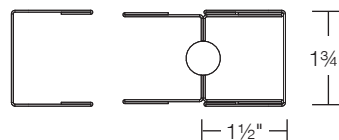
Cable Cleats for Horsepower Beam



Vertical Wire Manager
Exploded Detail



Vertical Wire Manager
Assembly



Horsepower with Vertical Wire Manager Elevation

Horsepower Screens

Planning Guidelines and Specifications

Horsepower™

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:

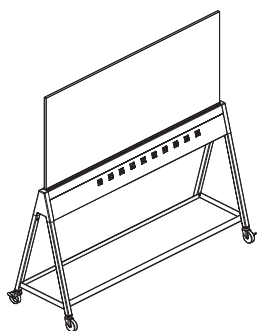
Frameless laminate or veneer screens are ½" MDF construction. Frameless glass screens are ½" tempered glass with polished edges.

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.

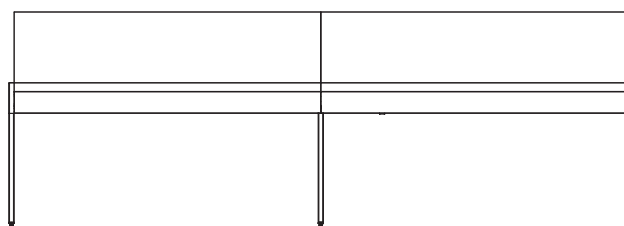
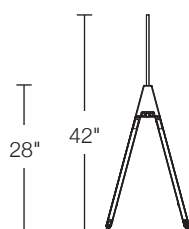
For fabric screens specify fabric, perimeter frame and brackets painted finishes.



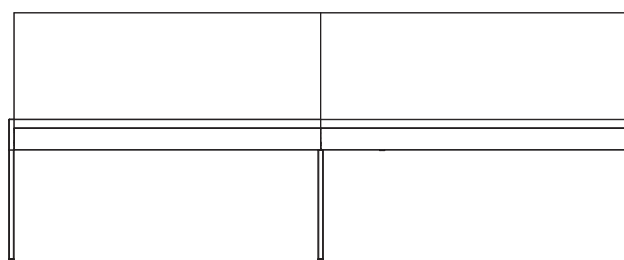
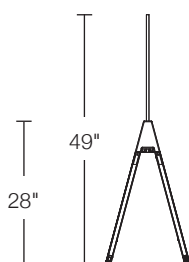
Independent Horsepower with Screens, Metal Shelf and Ballast



Linked Horsepower with Screens



Linked Horsepower with Screens, 42" Horizon



Linked Horsepower with Screens, 49" Horizon

Horsepower Saddles

Planning Guidelines and Specifications

Horsepower™

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

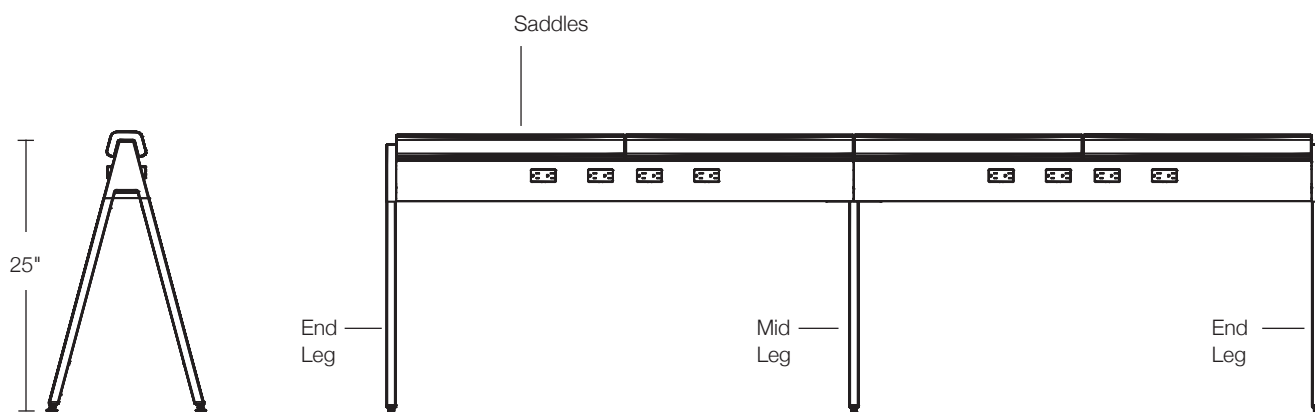
Horsepower Saddles are a durable self-skinning urethane foam attaching with hook and loop to an ABS mounting block.

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 and Upmounted Platforms

Planning Guidelines and Specifications

Horsepower™

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 ¾" 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 34½" above the floor.

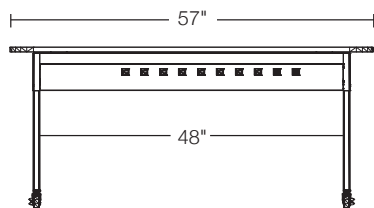
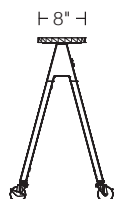
Construction

Counters and Platforms are solid ¾" thick MDF with laminate top and bottom and matching ABS edge or veneer on all surfaces. Threaded inserts are positioned over mounting brackets.

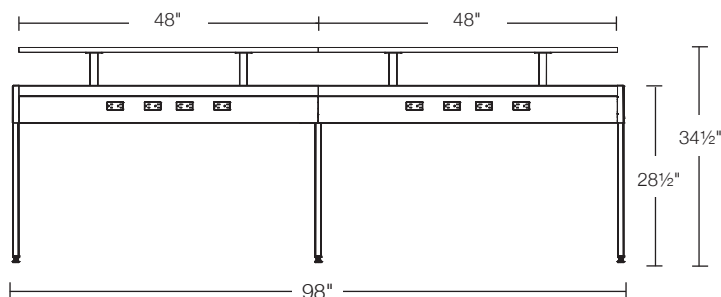
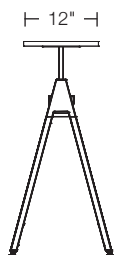
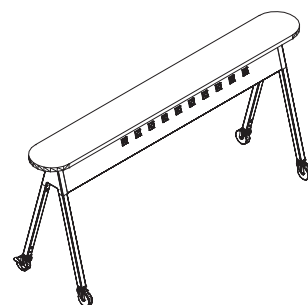
Counter mounting brackets are cast aluminum. Platform stanchions are extruded aluminum, with cast adapters specific to Horsepower. Top plate connector is steel.

Specification Options

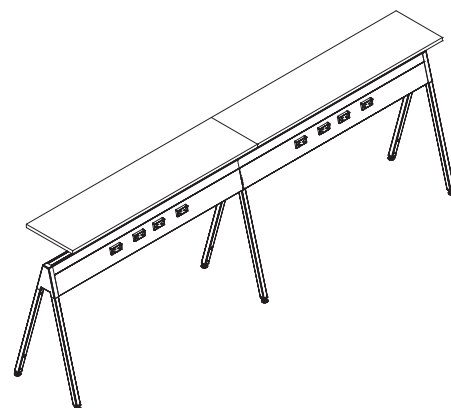
Specify either a laminate (L) or veneer (V) surface. Surface finish is available in any Knoll Core laminate or veneer finish. Counter or Platform support brackets are available in any Knoll Core paint finish, Dark Red or Slate Blue.



Independent Horsepower
with Over Counter



Linked Horsepower with
Upmounted Platforms



Horsepower Suspended Wood Cabinets and Shelves

Planning Guidelines and Specifications

Horsepower™

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.

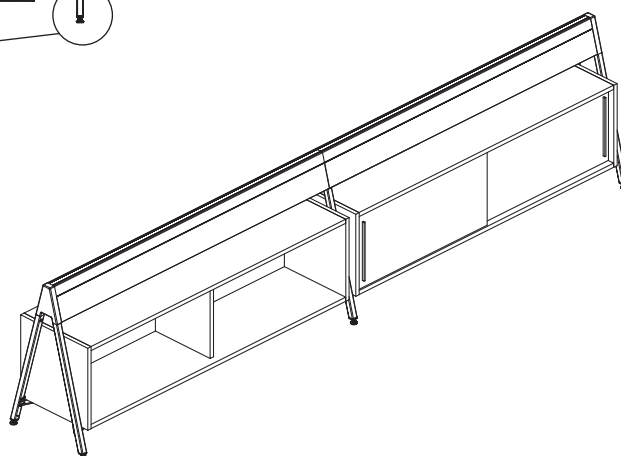
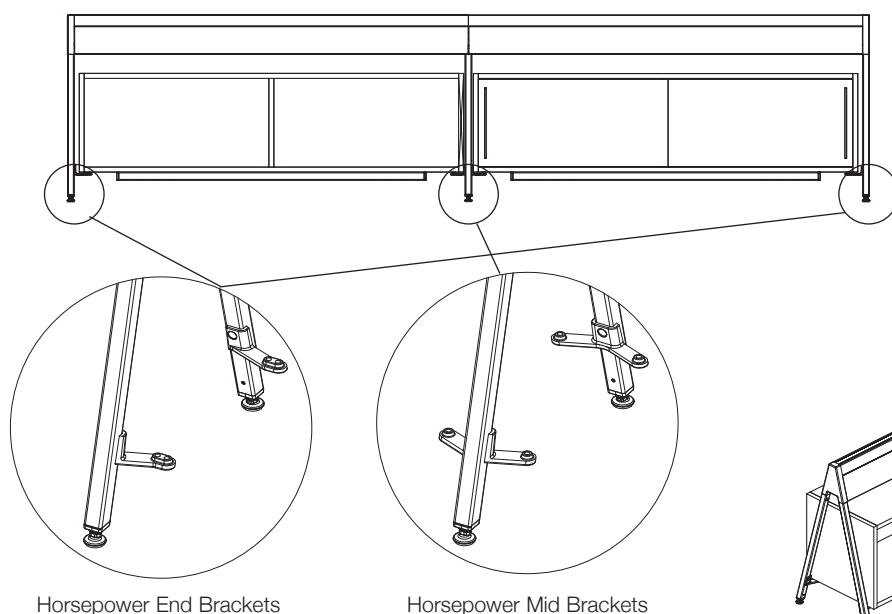
Open shelf cabinets have a center partition parallel to the open front and back that provides structural support and serves to filter sightlines through the cabinet. Cabinets 24"-36" have a 6" wide center panel, cabinets 48" and wider have a 12" center panel. Support panel and all interior surfaces can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

Planning Guidelines and Specifications

Horsepower™

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 ½" 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 ¾" thick wood panels, with discreet glue-and-dowel connections.

Case mounting brackets are cast aluminum. Cabinet stiffeners are 1 ¼" square steel tube. Stiffener end caps are die cast aluminum.

Specification Options

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

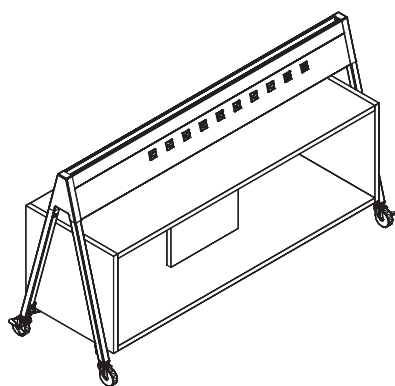
Case finish exterior is available in any Knoll core laminate or veneer. When the case exterior is laminate, case interior and inset back are available in any Knoll Core or Accent laminate. When an Accent laminate is specified, the edgeband will match the exterior core laminate finish.

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

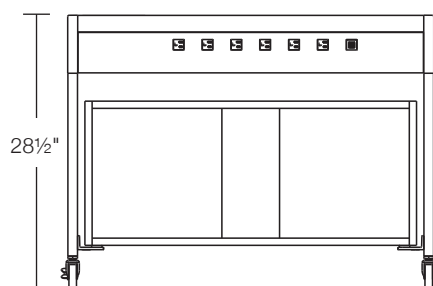
Door sets are specified separately to enable any combination of wood or laminate case and doors. Specify door front sets in any Knoll Core laminate (L) or veneer (V).

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

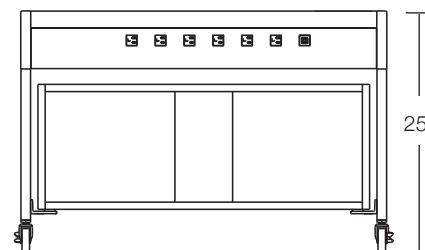
Counterweights are painted black.



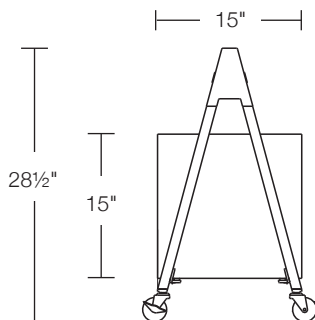
Independent Horsepower with Cabinet



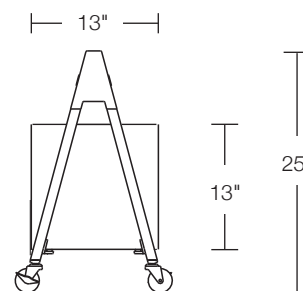
28½" High Independent Horsepower with Wood Cabinet Side Elevation



25" High Independent Horsepower with Wood Cabinets Side Elevation



28½" High Independent Horsepower with Wood Cabinet End Elevation



25" High Independent Horsepower with Wood Cabinet End Elevation

Horsepower Suspended Metal Shelves

Planning Guidelines and Specifications

Horsepower™

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.

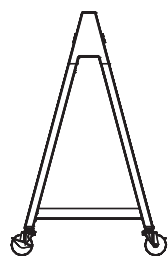
Construction

Metal shelves are formed heavy gauge steel.

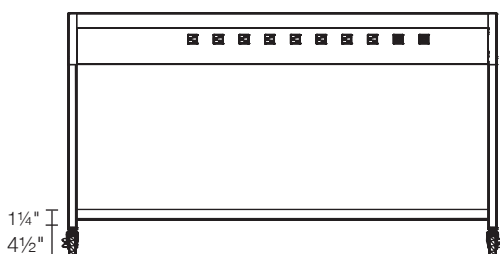
Specification Options

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

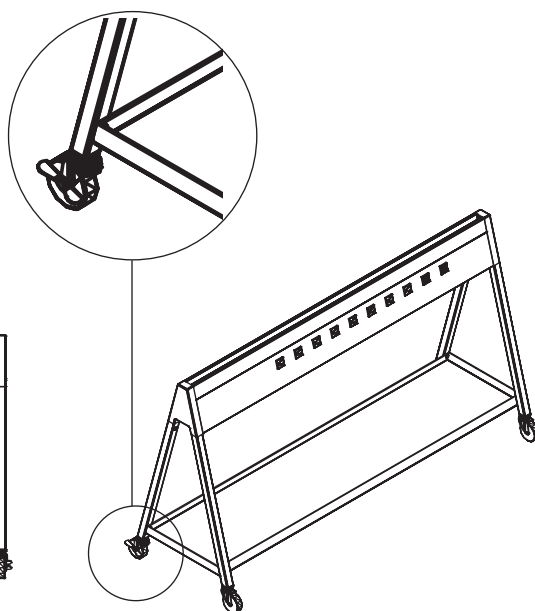
Counterweights are painted black.



Independent Horsepower with Metal Shelf End Elevation



Independent Horsepower with Metal Shelf Side Elevation



Independent Horsepower with Metal Shelf

Horsepower Accessories

Planning Guidelines and Specifications

Horsepower™

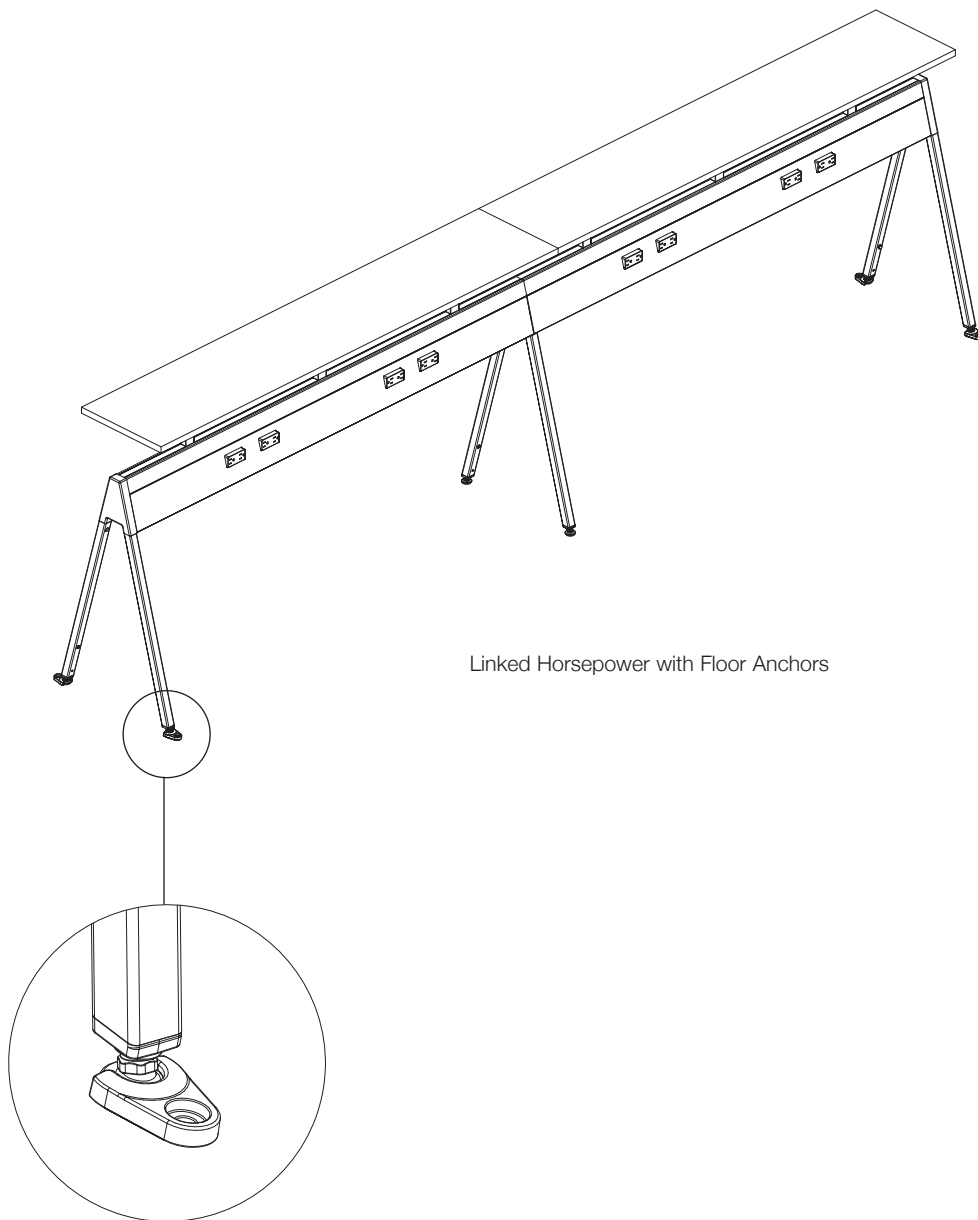
Horsepower floor anchors secure levelers to the floor in high-use or high-security areas when used with suitable fasteners for the floor construction type, compliant with applicable building codes or regulations.

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