SPECTRUM INDUSTRIES INC.

Freedom Lectern XRS

Technical Specifications

55288	with left-hand rack rail
55287	with right-hand rack rail

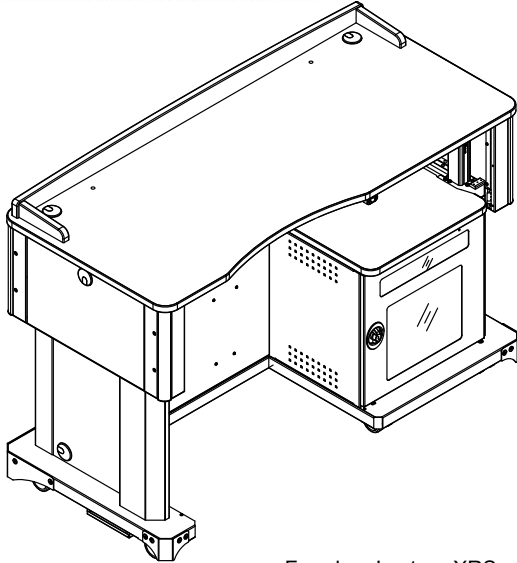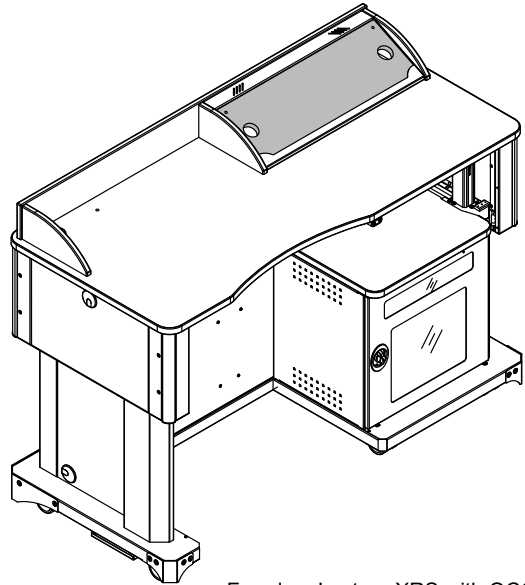| 55286	with left-hand rack rail and Overbridge Control Console™ *(also requires 96504 insert panel)*
55285	with right-hand rack rail and Overbridge Control Console™ *(also requires 96504 insert panel)*

Touchboards
205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

Freedom Lectern XRS
55287

Freedom Lectern XRS with OCC
55285
shown with optional insert panel (shaded)

Designed for ADA compliance, the Freedom Lectern XRS has a height-adjustable worksurface bringing ergonomic benefits to every presenter. Sitting or standing, this lectern provides the most comfortable setting possible to deliver presentations. Not only is the Freedom Lectern XRS ergonomically designed, it is geared for technology. Standard rack rail accommodates traditional audio-visual equipment while the Overbridge version provides a base for the latest in interactive touch control technologies. For intense learning environments, the optional Rack Cube is detachable for integration and simply slides back into the Freedom Lectern, making for a very Xtreme Rack System! A comfortable setting with a powerful delivery – the Freedom Lectern XRS.

Features and Benefits

- ADA-compliant adjustable-height worksurface electrically-adjusts between 31"-40"H
- Left or right rack rail versions provide secure storage for most rack-mount components (11RU)
- Double-bolt, keyed locking rack door provides security and easy-access
- Overbridge console versions allow custom cutouts and installation of presentation controllers and control panels
- 3" swivel locking Twin-Wheel (TW) casters, and stationary Toe Kick (TK) versions available
- Quick-release rack door and removable rear panels provide full-access to rack equipment
- Safety sensor mechanism protects user and lectern by automatically stopping and reversing the lowering worksurface if contact occurs with an object between the worksurface and rack cabinet
- Stylish base surround with replaceable corners protect and hide casters
- High ground clearance provides easy mobility and prevents damage
- Ventilated side panels keep equipment cool
- Scratch and impact resistant 1.063" high-pressure laminate worksurface
- Two 2" cable grommets (left and right) on the worksurface or overbridge provide cable access
- Cable grommets throughout the unit keep wires and cords manageable
- Removable acrylic viewing/access panels on the front door provides easy monitoring and access to internal equipment
- Pre-drilled monitor arm mounting holes allow easy installation of a monitor arm (models without overbridge have a left and right hole, overbridge models have one hole opposite the rack cabinet)
- Optional quick-change logo panel simplifies adding or changing logos
- Optional pull-out worksurface / keyboard tray can be installed under worksurface
- Optional flip-up shelf provides a convenient additional worksurface
- Optional slide-in rack cube (11RU) is designed with the integrator in mind, rack-mount equipment can be installed remotely and then easily slid into the lectern
- Warranted to be free of all defects in materials and workmanship with a 10-year warranty

Base Options
TW - 3" Twin-Wheel casters
TK - Toe Kick

Options
Page 11

Color Options

Standard laminate / color combinations

Wild Cherry / Black (CHB)

Indigo Organix / Black (IB)

Fusion Maple / Black (FMB)

Standard color combination refers to the quickest deliverable product color combination. Custom laminates and color combinations are available-additional lead-times and up-charges may apply. Call 1-800-235-1262 for further information.

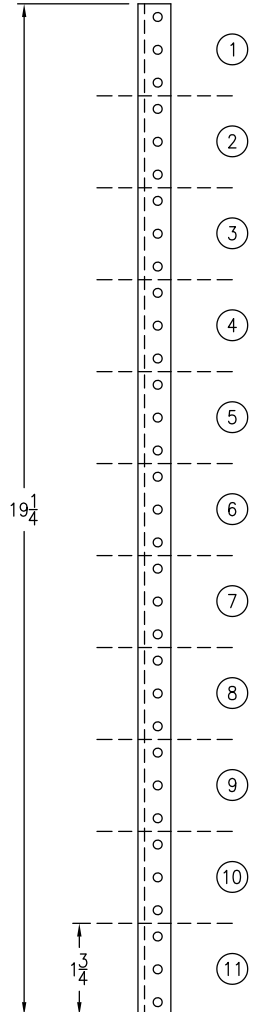revised 4/29/14 — SPECTRUM INDUSTRIES INC. — Page 1 of 14

Construction

- The worksurface is constructed from 1.063" thick NAUF (No Added Urea Formaldehyde) composite board with .030 high-pressure laminate on one face, and a balancing phenolic backer on the opposing face
- Metal components consist of 16 and 20-gauge steel
- Worksurface edges are covered with 3mm vinyl
- All metal components are finished with a scratch-resistant powder coat epoxy
- Solid wood corner trim
- Each Freedom Lectern XRS is factory-assembled with casters, packaged, and shipped on its own skid

Specifications

Adjustable worksurface height	31"-40"H
Standard rack rail	11RU
Available rack depth	21.625"D (standard) 19.5"D (with 55313 optional slide-in rack cube)
3" Twin-Wheel casters	weight capacity 165 lbs each (5 included)
ADA-compliance*	knee clearance: 32.875"W x 19"D x 29"H (1 person per lectern) *Minimum ADA guidelines for knee clearances are 30"W x 19"D x 27"H
Electrical	Lift mechanism: • full range of motion: 9" in approximately 7 seconds • inverter: 120V @ 60Hz, max output 400 watts • motors: 18V / 10 amps • typical electrical load during operation: <u>4.3 amps @ 120 VAC</u> • anti-collision protection • 11' nominal 3-wire power cord • max load: 800N (180 lbs) per actuator (lectern has 3 actuators) (total lift capacity: 540 lbs) • actuators feature non-hydraulic, permanently lubricated screw jacks • actuators rated for 20,000 cycles
Optional slide-in rack cube	11RU
Optional flip-up shelf	23"W x 27.75"D x 1" thick, can support a maximum of 50 lbs. Shelf hinges lock into place in the upright position, adjustable height.
Unit weights (nominal)	345 lbs - 55287, 55288 (with surround) 375 lbs - 55285, 55286 (with Overbridge Control Console)
Shipping weights (nominal)	405 lbs - 55287, 55288 (with surround) 425 lbs - 55285, 55286 (with Overbridge Control Console)
Meets or exceeds applicable ANSI-BIFMA test standards	

Specifications subject to change without notice
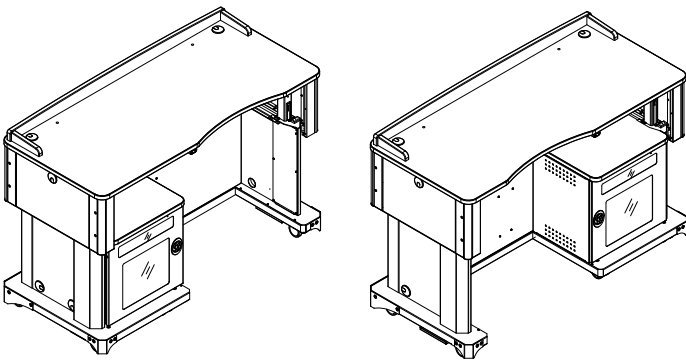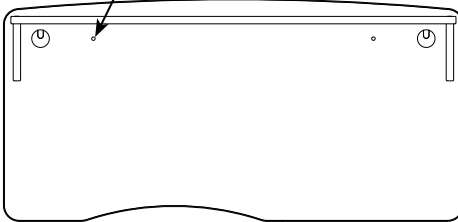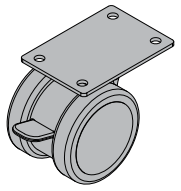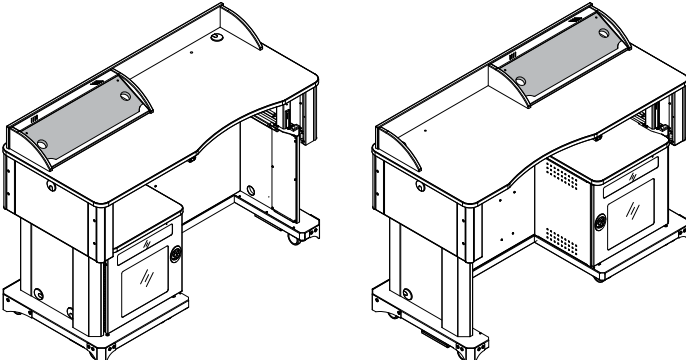
11RU available

3" Twin-Wheel caster
(TW)
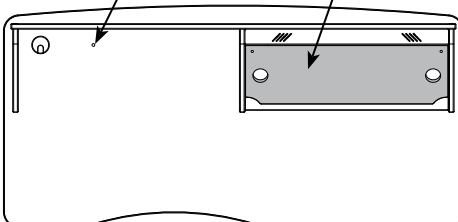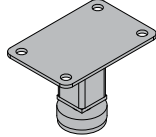
ø3

3.50

2.565

Models

	Worksurface:	Base Options:
Freedom Lectern XRS with surround		

**Freedom Lectern XRS
with surround**

with LH rack rail

55288

with RH rack rail

55287

use .375" monitor
arm mounting hole
opposite rack

Worksurface has two 2" grommet holes with covers for routing cords from worksurface, and two .375" holes with plugs for optional monitor arm mounting.

X 5

TW
3" Twin-Wheel casters
(3 on user-side
are lockable)

**Freedom Lectern XRS
with Overbridge Control Console (OCC)**
shown with optional insert panel (shaded)

with LH rack rail

55286

with RH rack rail

55285

use .375" monitor
arm mounting hole
opposite overbridge

96504
insert panel

Overbridge with optional blank panel for custom cutouts (see p.8 for dimensions). Overbridge is not available separately. Insert panel includes two 2" grommet holes with covers.

Worksurface also has one .375" hole with plug for optional monitor arm mounting.

X 5

TK
stationary pedestals
on Toe Kick version

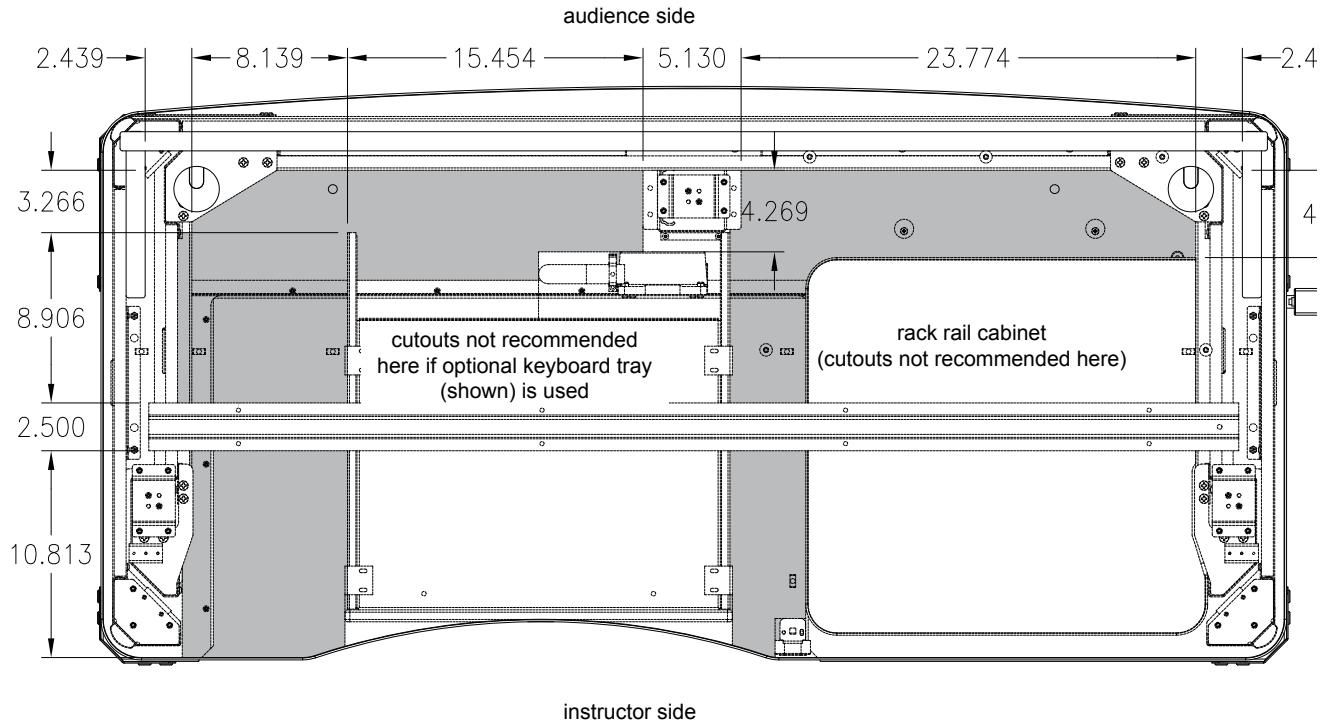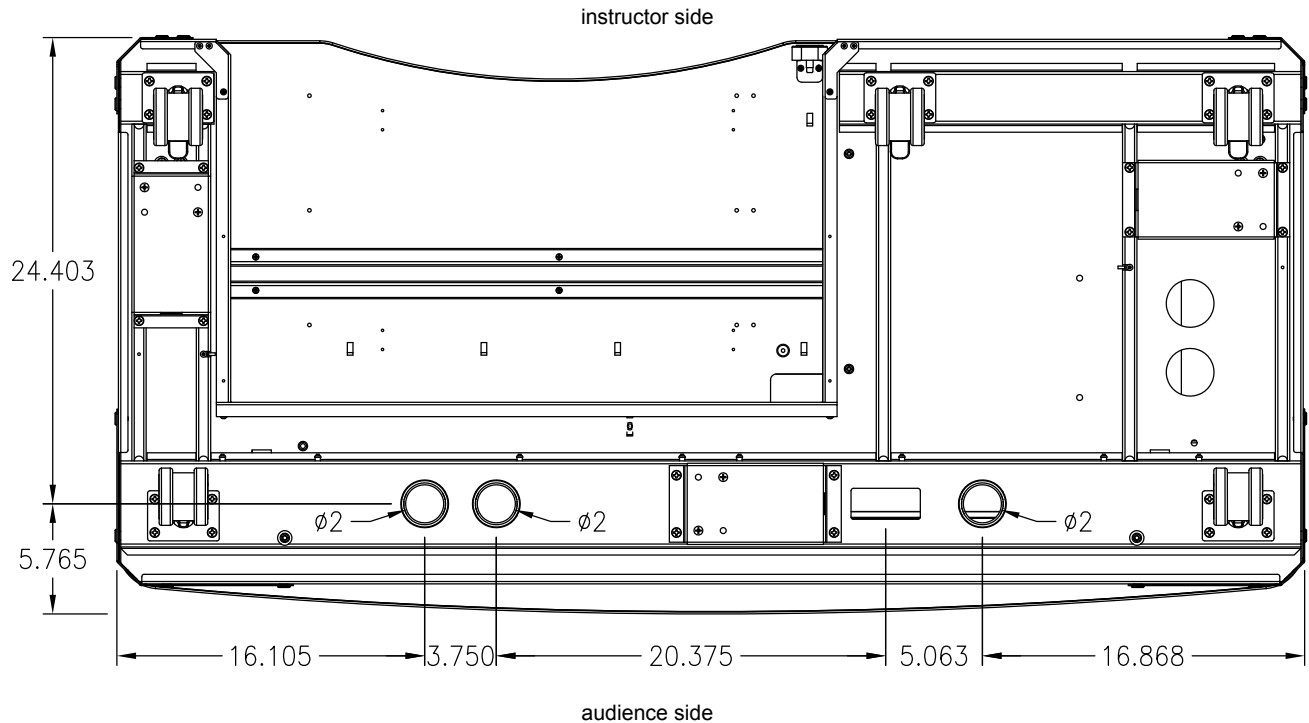Freedom Lectern XRS
(shown with RH rack rail)

62
57.375

30
26.625

30
18.938

43
40
30

3
9

flexible
wire loom

A

A

5.239

28.683

31

62.160

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19.25

1.75

21.594

0.875

18

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

11RU available

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top view
(shaded portions represent possible cutout areas in worksurface)

audience side

2.439   8.139   15.454   5.130   23.774   2.4

3.266

4.269

8.906

cutouts not recommended here if optional keyboard tray (shown) is used

rack rail cabinet
(cutouts not recommended here)

2.500

10.813

instructor side

bottom view
with grommet hole locations

instructor side

24.403

5.765

∅2   ∅2   ∅2

16.105   3.750   20.375   5.063   16.868

audience side

Freedom Lectern XRS
with Overbridge Control Console™
(shown with RH rack rail)

shown without required
96504 overbridge panel

62

29.812

24.313

max opening below panel

30
26.750

Note: Modified worksurface or overbridge insert panel cutouts should be reviewed by Spectrum to ensure clearance of brackets, keyboard slides, or other objects under the worksurface.
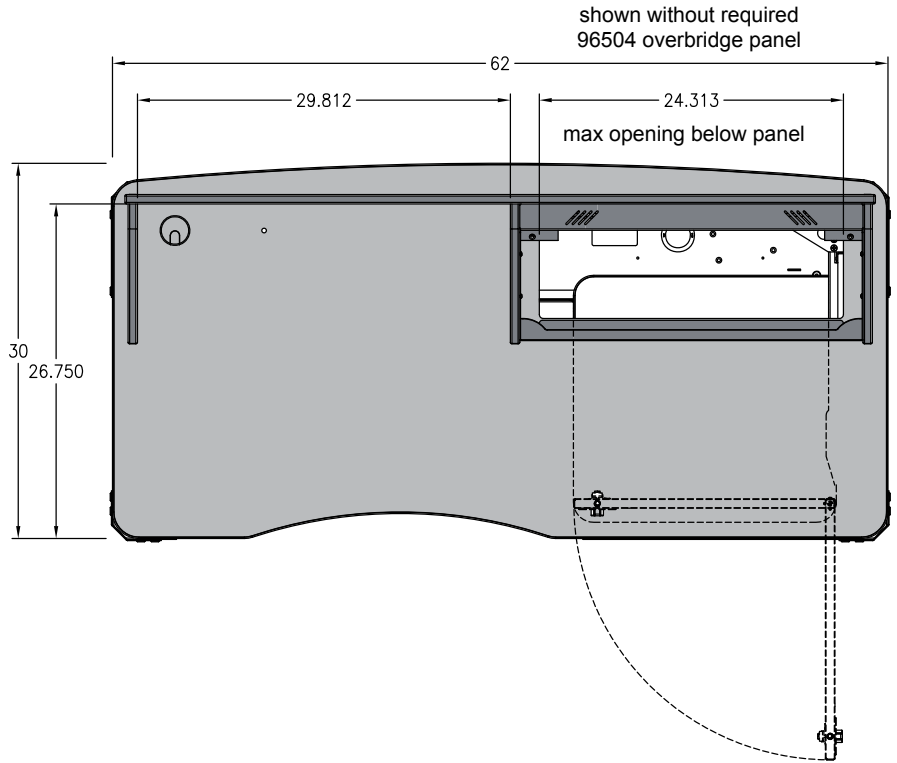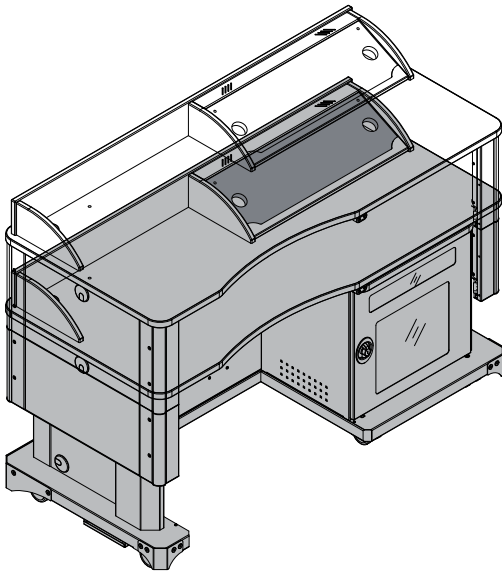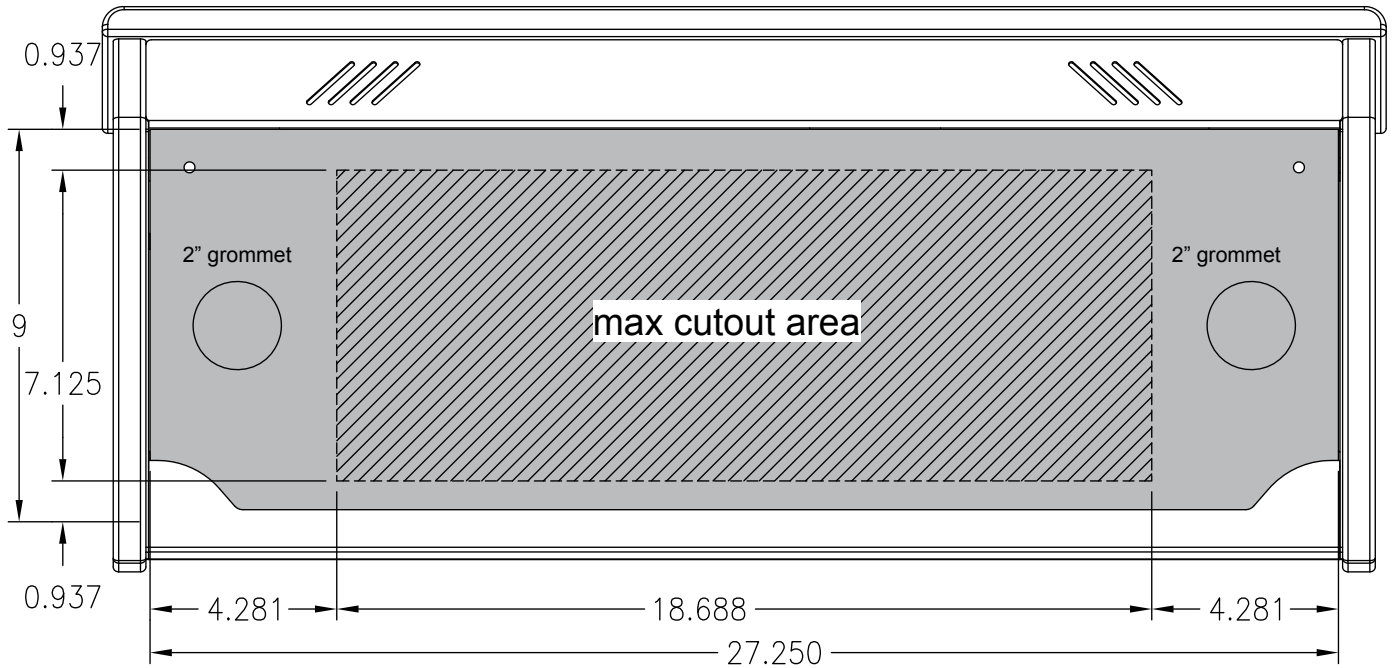
If customers request an overbridge on the opposite side as the rack cabinet, it will be considered custom.
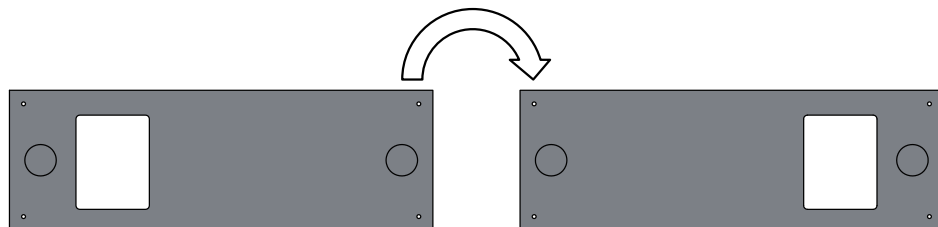
30

15.563

flexible
wire loom

5.188

9

45.203
40

30

5.239

28.683

31

62.160
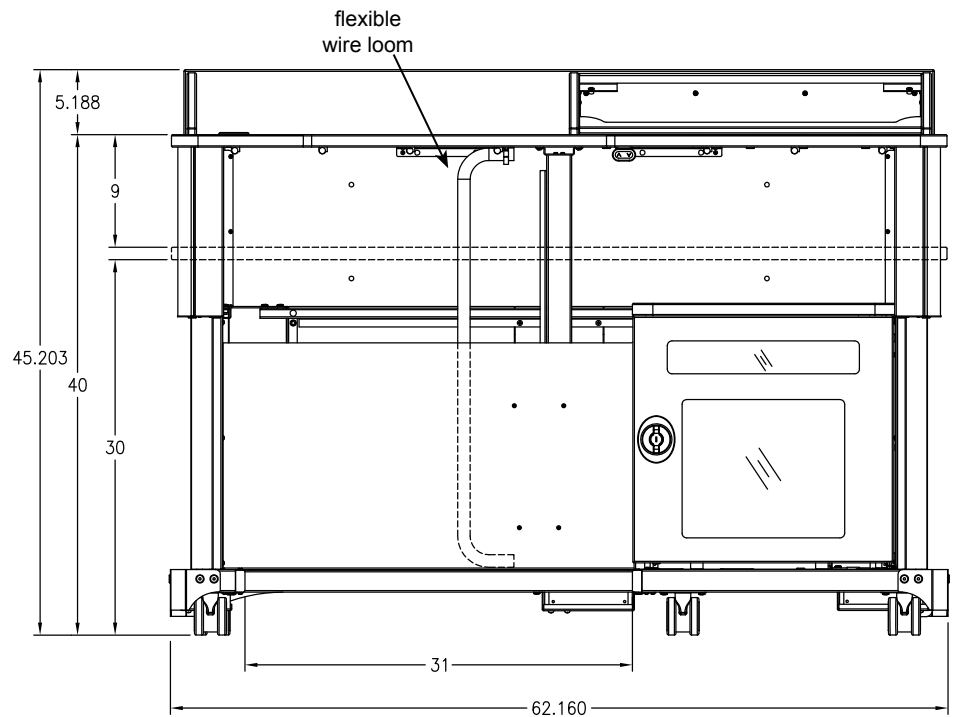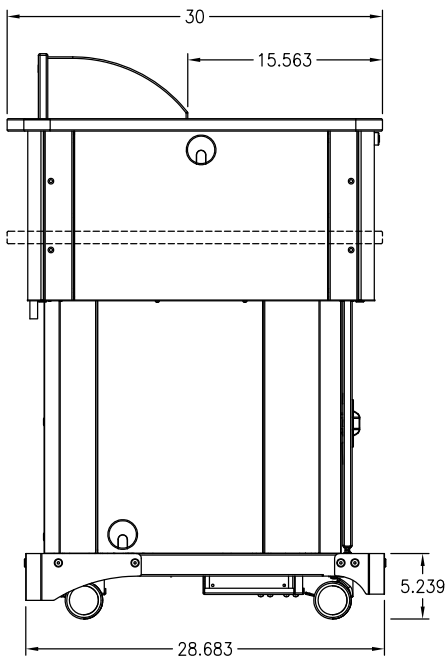
Freedom Lectern XRS overbridge insert panel blank
(flat view)

0.937

0.937

2" grommet

2" grommet

max cutout area

9

7.125

4.281

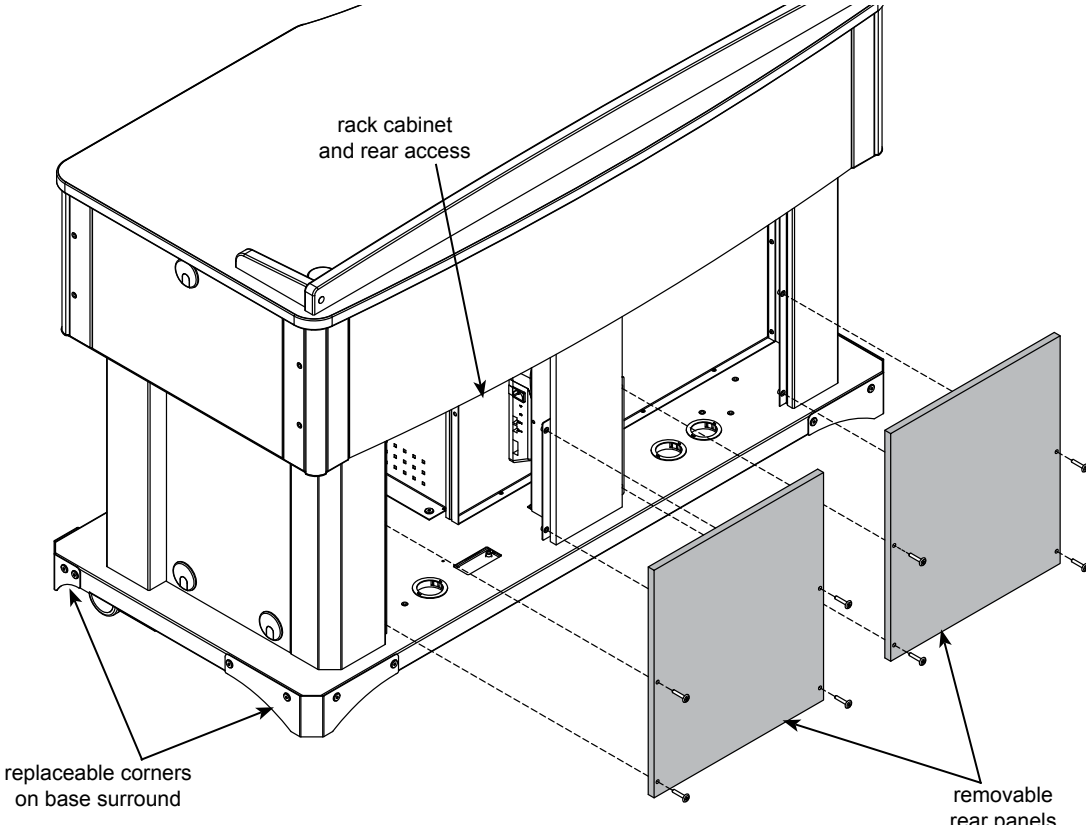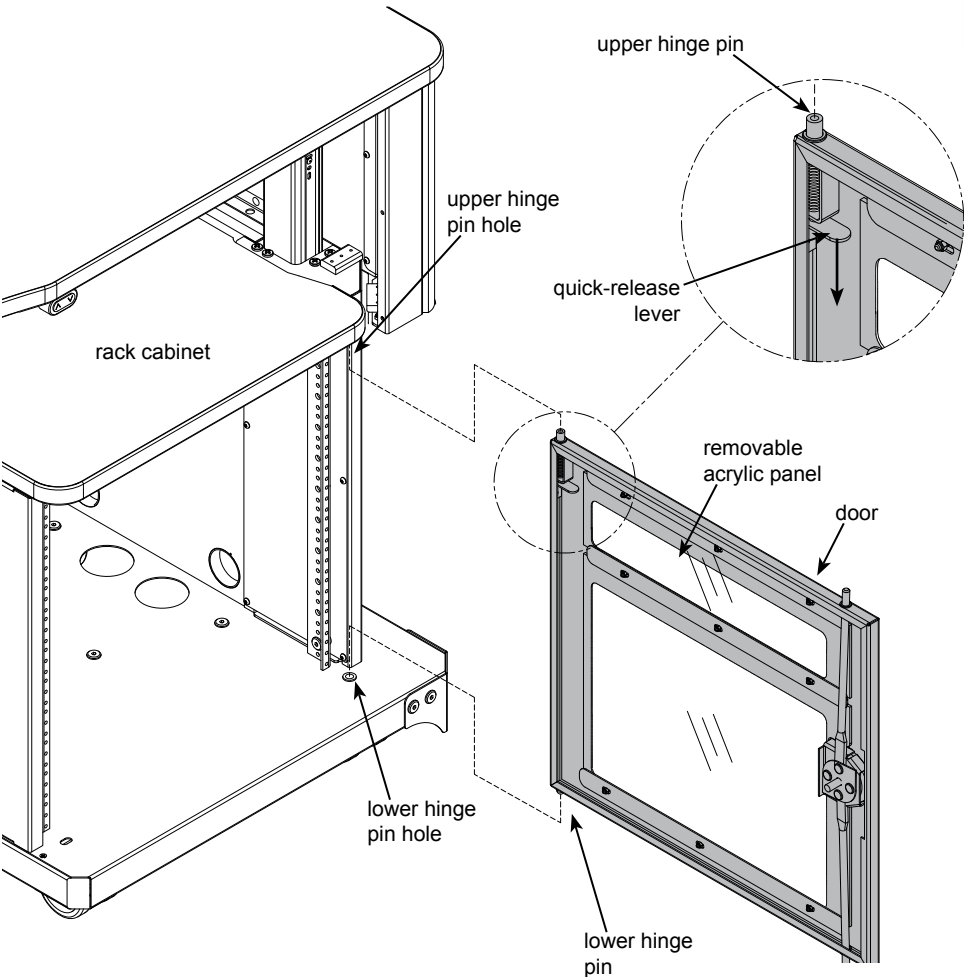18.688

4.281

27.250

15/16

26°

4 13/16

7.125

15/16

Note: The Overbridge Control Console™ has been designed for many of the currently available controllers on the market, however, modified cutouts should be reviewed by Spectrum to ensure clearance of brackets, keyboard slides, or other objects under the worksurface.
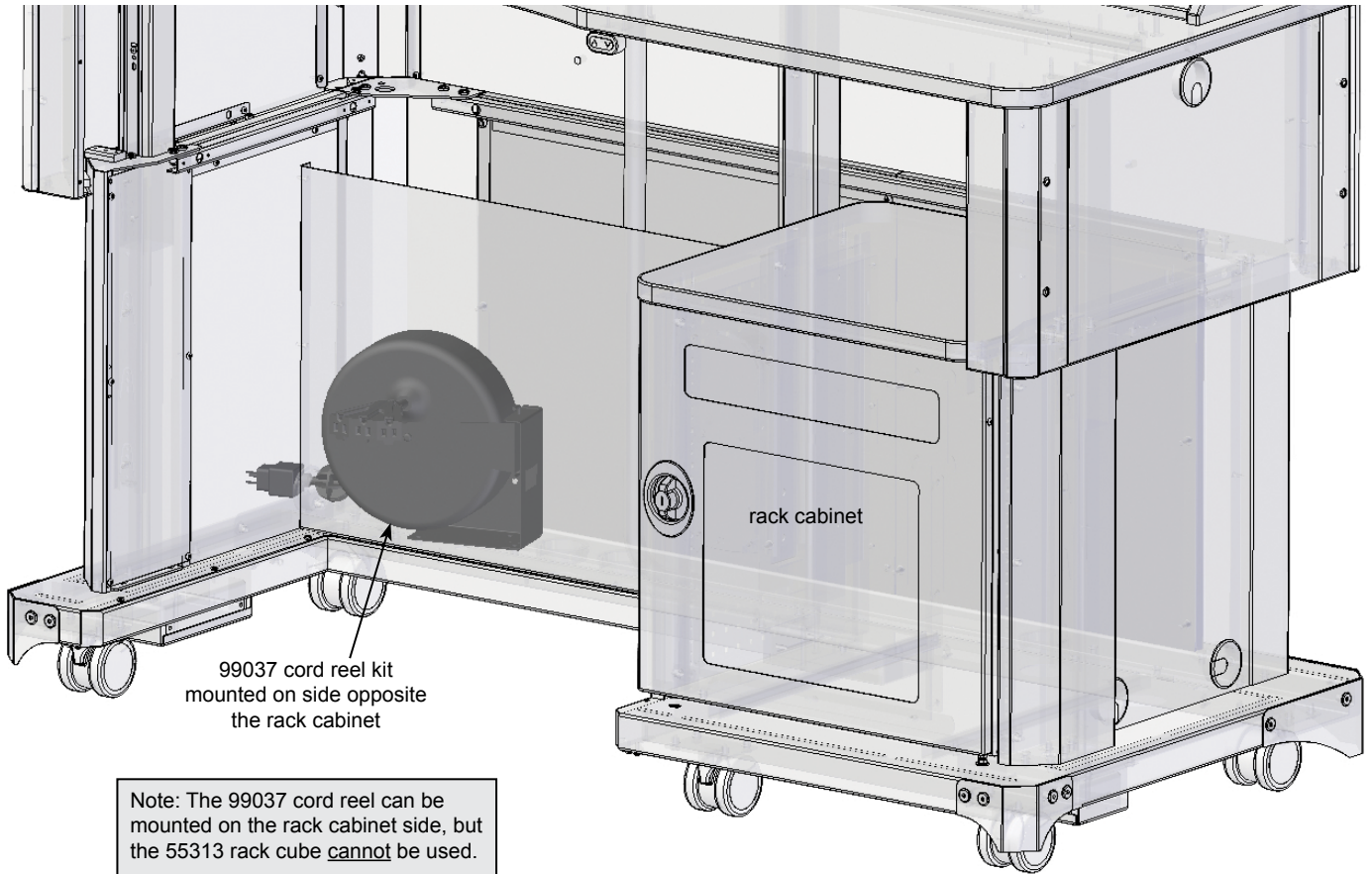
overbridge section view

8.156

11.938
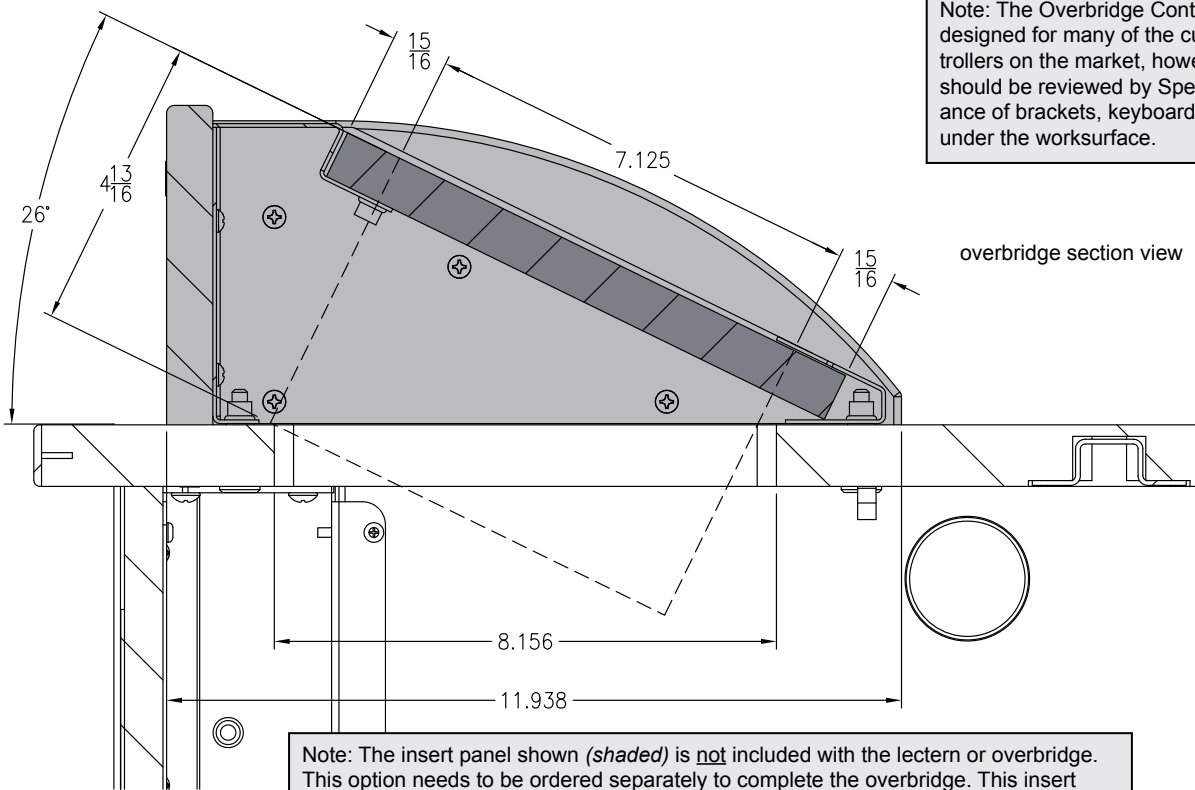
Note: The insert panel shown *(shaded)* is not included with the lectern or overbridge. This option needs to be ordered separately to complete the overbridge. This insert panel is horizontally symmetrical and can be easily removed, rotated, and re-installed if a cutout needs to be relocated to the opposite side of the overbridge.
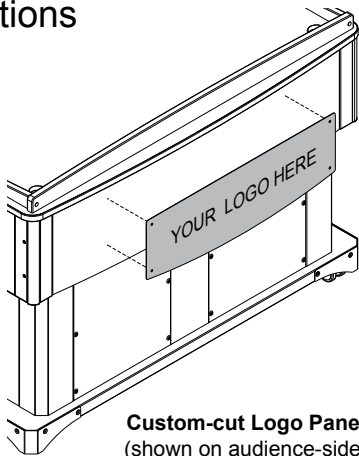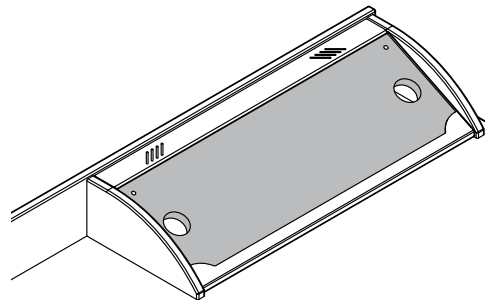
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upper hinge pin

quick-release lever

upper hinge pin hole

rack cabinet

removable acrylic panel

door

lower hinge pin hole

lower hinge pin

rack cabinet and rear access

replaceable corners on base surround

removable rear panels

optional universal cord reel kit
99037

rack cabinet

99037 cord reel kit
mounted on side opposite
the rack cabinet

Note: The 99037 cord reel can be
mounted on the rack cabinet side, but
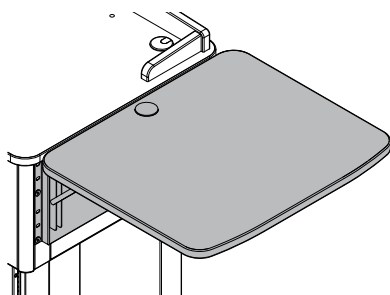the 55313 rack cube cannot be used.

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Options

Custom-cut Logo Panel
(shown on audience-side)
35.25"W x 11"H
55303

Overbridge Insert Panel
for overbridge version only-contact Spectrum to specify cutout
size(s) and position(s)-overbridge not available separately
(includes two 2" grommets with covers)
96504 - blank panel
96504mod - panel with cutout(s)

Flip-up Shelf
23"W x 27.375"D
(mounts on left or right side)
includes 2" grommet
(50 lbs max load)
max 2 per unit
55301
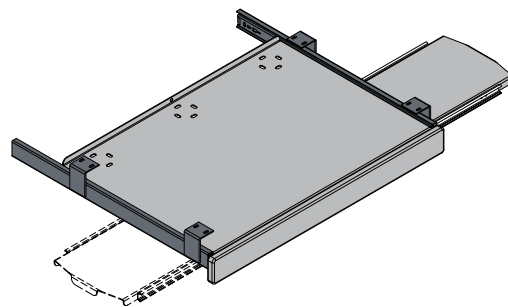
Pull-out Worksurface Tray
with L or R sliding mouse pad tray
19.0625"W x 14.1875"D
(height between worksurface and tray
is adjustable from 1.25" to 2.5625"H)
max 1 per unit
55302

Note: Power and communication wiring for document cameras, laptop computers, and/or projectors placed on the flip-up shelf should be routed on top of the audience-side of the shelf. Use of the shelf grommet hole for wiring will result in pinching of the cords when the shelf is folded.

Note: The 99037 cord reel can be mounted on the rack cabinet side, but the 55313 rack cube cannot be used.

Note: CPU slings cannot be used with Freedom XRS lecterns because of mounting and ADA-compliance considerations. If a CPU is necessary, it can and should be installed into the rack cabinet using a rack-mount shelf.
(See p.13 for rack-mount accessories.)
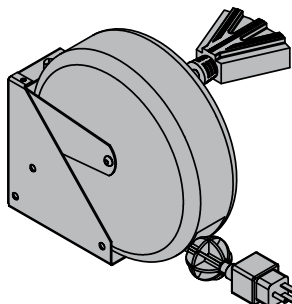
Universal Cord Reel Kit
15' [457.2 cm] retractable, 12 AWG, with breaker, includes universal mounting bracket (mounts vertically inside lectern to base panel)
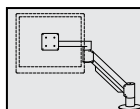10 lbs [.45 kg]
99037

Note: When installed, the cord reel takes up rack units from the bottom of the rack rail.

Horizontal installation: 3RU
Vertical installation: 6RU

⚠ The cord reel is intended to provide temporary access to electrical outlets for Spectrum mobile lecterns. Check local electrical codes prior to installation.

Flat Panel Monitor Arms and Tablet Mounts
(See the Spectrum website or catalog for the latest available monitor arm and tablet mounting options)
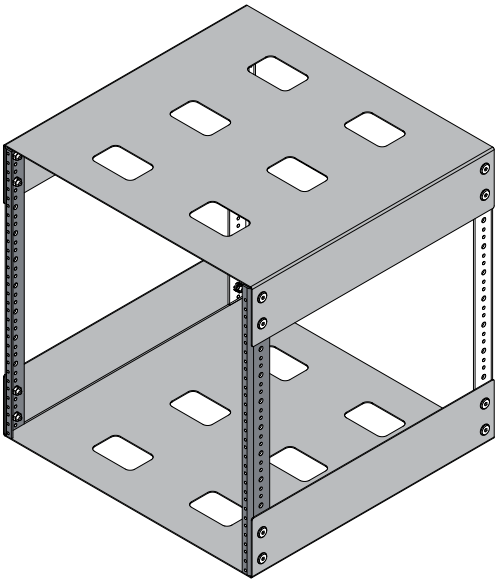
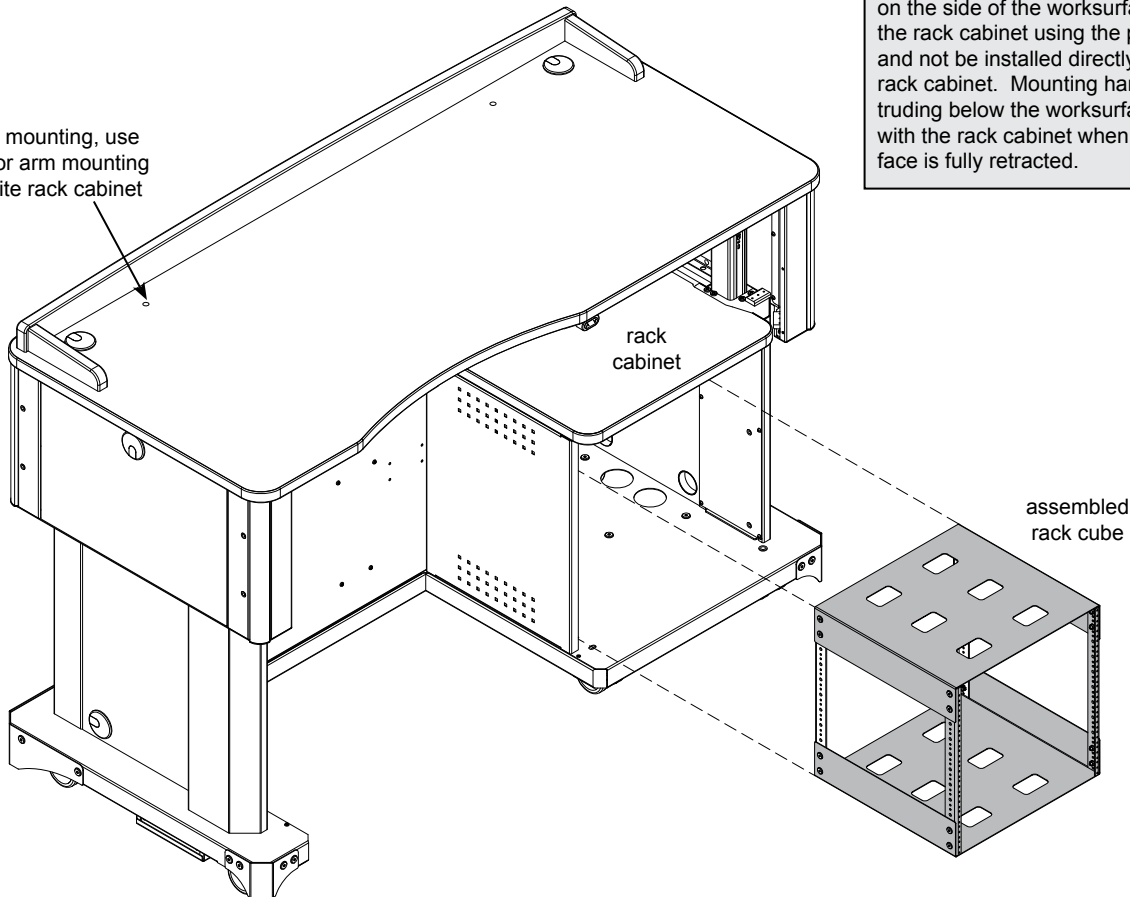**Slide-in Rack Cube 11RU**
19.125"W x 19"D x 19.75"H
55313

Note: The two existing 11RU rack rails in the rack cabinet must be removed and used in the slide-in rack cube. The cube has front and rear rack rails (11RU available per set) and polyethylene slides on the bottom for easy movement. Attachment to the rack cabinet is not required.

Rack-mount equipment greater than 19.5" in depth will not fit within the slide-in cube.

Verify depth dimension of all equipment to be installed in the cube.

Note: 55313 rack cube cannot be used When the 99037 cord reel is mounted on the rack cabinet side.

Note: Monitor arms should be mounted on the side of the worksurface opposite the rack cabinet using the provided hole and not be installed directly above the rack cabinet. Mounting hardware protruding below the worksurface will collide with the rack cabinet when the worksurface is fully retracted.

for monitor mounting, use .375" monitor arm mounting hole opposite rack cabinet

rack cabinet

assembled rack cube

Rack-mount accessories

Note: Rack-mount accessories with a depth greater than 21⅝"D will not fit inside the Freedom Lectern XRS.

Rack-mount accessories with a depth greater than 19½"D will not fit in the optional 55313 rack cube. Check the dimensions of all equipment before installation. The following Spectrum rack-mount accessories will not fit in the optional rack cube:
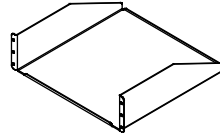
97517 - LT-4 Laptop Storage Unit
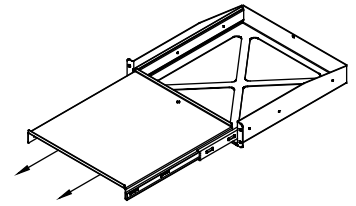97503 - Pull-out Shelf (3RU)
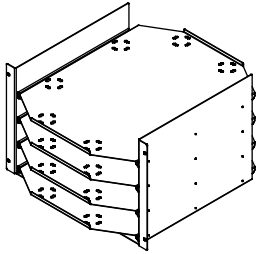
LT-4 Laptop Storage Unit (7RU)
(stores 4 laptops horizontally)
laptop tray dims:
16.25"W x 20.5"D x 2.1875"H
97517

does not fit 55313 rack cube
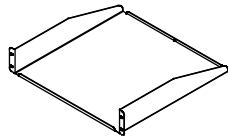
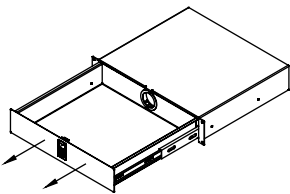**Cantilever Shelf (2RU)**
17.5"W x 18"D x 3.5"H
(50 lbs max load)
97504

Cantilever Shelf (3RU)
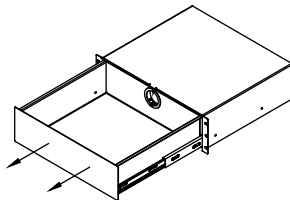17.5"W x 18"D x 5.25"H
(80 lbs max load)
97502

Pull-Out Shelf (2RU)
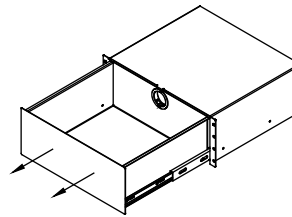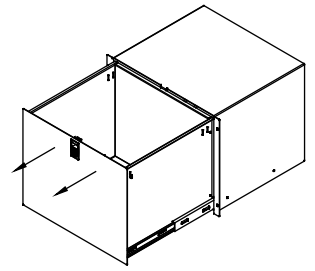16.5"W x 17.75"D
(50 lbs max load)
97505

Locking Drawer (2RU)
interior dims:
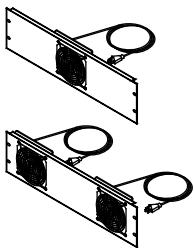15.75"W x 13.6875"D x 2.875"H
(25 lbs max load)
97514

Drawer (3RU)
interior dims:
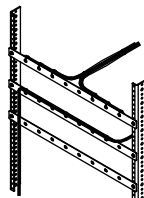15.9375"W x 14.5"D x 5.25"H
(50 lbs max load)
97518

Drawer (4RU)
interior dims:
15.9375"W x 14.5"D x 7"H
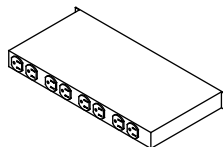(50 lbs max load)
97519

Locking File Drawer (8RU)
with file holder
interior dims:
15.75"W x 13.5625"D x 13.3125"H
(50 lbs max load)
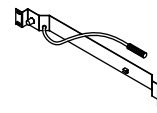97515

Cooling Fans (3RU)
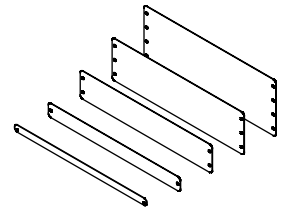19"W x 2"D x 5.25"H
Single Fan-97507
Double Fan-97506

Wire Lace Kit
3 lace straps included
95517

9-Outlet Power Strip (1RU)
19"W x 9"D x 1.75"H
99021

Flexible Halogen Light (1RU)
19"W x 2"D x 1.75"H
99033

Rack-Mount Blanks
(fills rack spaces where components are not needed)

97516 - (½ RU)
97510 - (1RU)
97511 - (2RU)
97512 - (3RU)
97513 - (4RU)

Warranty

WE WILL MAKE IT RIGHT FOR YOU!

Spectrum is committed to provide complete customer satisfaction. Each of our products is manufactured from the best materials available and each product is stringently monitored throughout the production process through our P.A.C.E. program (Product Assurance to meet Customer Expectations).

We expressly warrant that Spectrum products will be of good quality and workmanship and free from defect for the period set out in the warranty table below from the date of delivery. This warranty shall not apply to defects or damage resulting from misuse, abuse, neglect, improper care, modification or repair not authorized by Spectrum, or any other cause outside the control of Spectrum. Spectrum will, at its sole option, either repair or replace the defective product.

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Our Customer Service Department is ready to provide immediate attention to any questions, comments or concerns. They are available to answer your calls Monday through Friday from 7 am to 5 pm CST. In addition your product comments or concerns are welcome via e-mail at: spectrum@spectrumfurniture.com.

Warranty Table

Item	Warranty Period
• Adjustable Crank/Electric Desk Legs	• 1 Year
• Flat Panel Desk Gas Cylinders	
• Adjustable Height Chair Parts – including frames, gas cylinders, wood and plastic parts, and control handles Adjustable Height Chair Parts Casters	• 7 Years
• Adjustable Height Chair Upholstery	• 2 Years
• In-Stock Upholstery	• 2 Years
• Graded-In Fabrics and Customer Owned Material	• No Warranty
• Height Adjustable Columns and Lifts	• 1 Year
• General Use Casters	
• Electrical	
• Keyboard/Mouse Trays	
• Flat Panel Monitor Arm – General Parts	• 5 Years
• Flat Panel Monitor Arm – Gas Cylinders	• 2 Years
• Computer Desk Chassis	• 10 Years
• Cart Chassis	
• Lectern Chassis	