SPECTRUM
INDUSTRIES INC.

mLT-30™ Mini Laptop Cart

Includes factory-installed:		
55315BW	base cart +	rear panel
55319BW	base cart +	rear panel, wire management trays
55318BW	base cart +	rear locking door, wire management trays
55329BW	base cart +	rear locking door, wire management trays, cycle timer

c(UL)us
LISTED
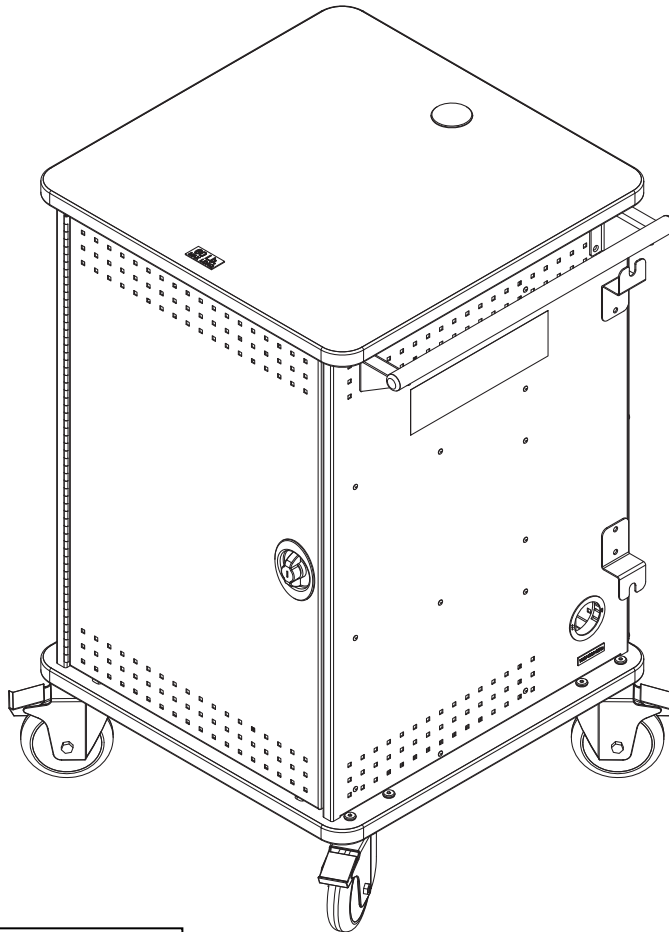
⚠ Important ⚠

Before using this product:
- Read this manual
- Comply with all safety and operating instructions
- Ensure all parts and correct quantities are included

Any parts damaged during shipment must be reported within 15 days of receipt. To report information regarding missing parts or damage, to purchase parts or accessories, or if you have any questions, please contact us.

Thank you for purchasing Spectrum products!

Spectrum product page:
http://bit.ly/mlt30

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

Spectrum Industries, Inc
925 First Avenue, Chippewa Falls, WI 54729 USA
800 235 1262
715 723 6750
www.spectrumfurniture.com

⚠ Safety ⚠

- Read this owner's manual before assembly or operation.
- Do not allow children to move cart.
- Move slowly and carefully when mobile.
- For indoor use only. Do not install or store the unit where it will be exposed to weather. Keep dry.
- Do not block ventilation openings.
- Avoid loading equipment unevenly into the unit - uneven weight distribution could be a hazard when the unit is mobile.
- Do not allow anyone to sit, stand, or climb on the cart.

- Keep the unit powered OFF before plugging or unplugging from outlet.
- Be sure devices are turned OFF before plugging into cart.
- Ensure total device / equipment load does not exceed 12-amps per power unit..
- Do not plug the power cord into an extension cord.
- Inspect power cords before each use.
- Do not use power cords that are damaged.
- Do not unplug by pulling on the cord.
- Do not step on, drive over, drag, or place objects on the power cord.
- For added safety, plug the unit into a grounded three-prong outlet controlled by a GFI (Ground Fault Interrupter) circuit breaker.
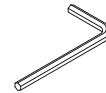
Hardware Package Contents
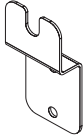
(4) 0105648
cord wrap bracket

(14) 052605
1/4-20 x 15mm JC bolts

(100) 0102376
11" [27.94 cm] zip ties

(1) 025039
4mm hex wrench

Assembly / Setup

Handle installation

Tools Required — 4mm hex wrench (included)

1. Determine which side of the cart you want the handle to be on.
2. Attach the handle to the cart side panel with (4) 1/4-20 x 15mm JC bolts. Do not tighten the bolts completely. **Figure 1**.
3. Install (2) 1/4-20 x 15mm JC bolts to attach the handle to the worksurface.
4. Tighten all JC bolts securely.

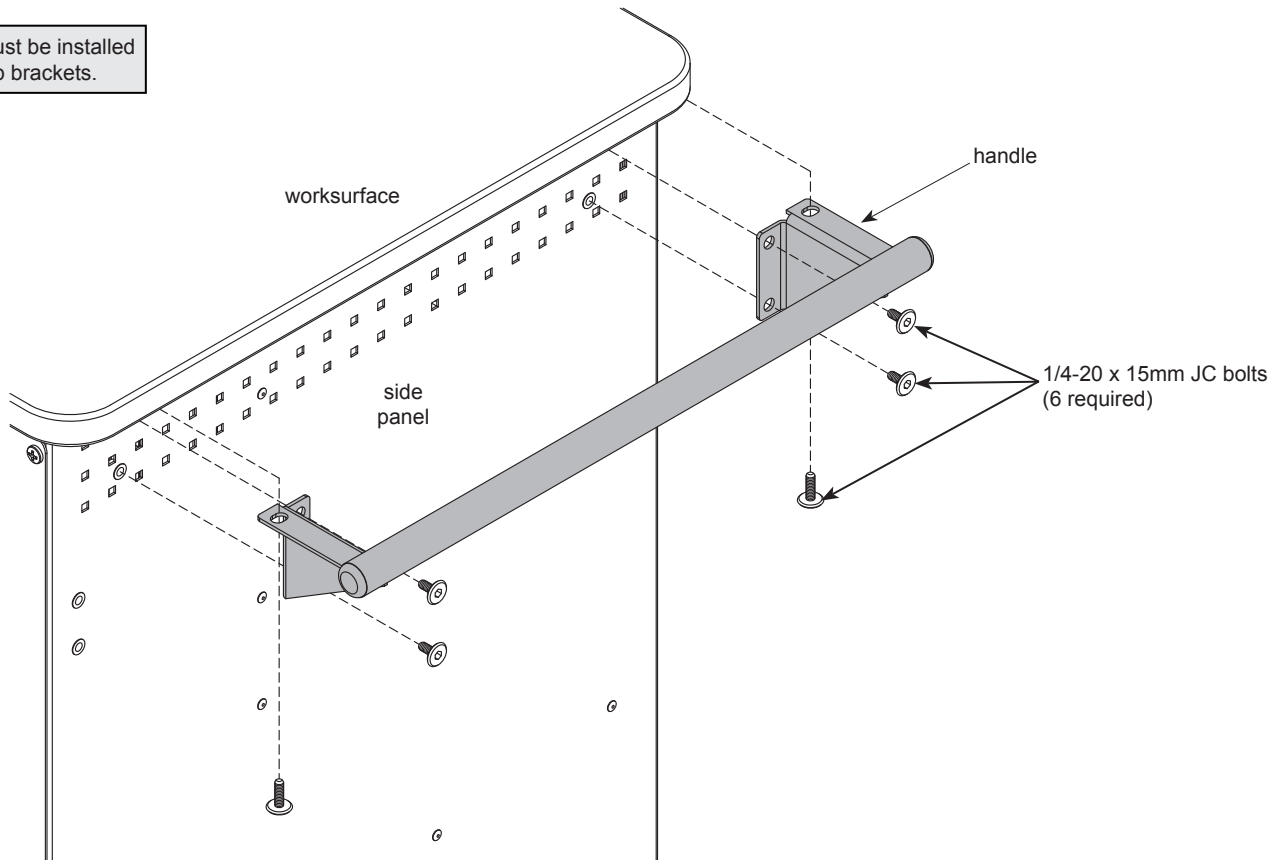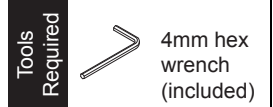Note: Handle must be installed before cord wrap brackets.

worksurface

handle

side panel

1/4-20 x 15mm JC bolts (6 required)

Figure 1

SPECTRUM INDUSTRIES INC.

Cord wrap bracket installation

4mm hex wrench (included)

1. Attach the cord wrap brackets to the side panels (left and right-side) with 1/4-20 x 15mm JC bolts as shown in **Figure 2** and tighten securely. Be sure the brackets are facing away from each other as shown.
2. Route each power cord through each side panel grommet as shown in **Figure 3**.
3. Wrap excess cord around the brackets as necessary.

cord wrap bracket

1/4-20 x 15mm JC bolt (2 per bracket)

side panel

1/4-20 x 15mm JC bolt (2 per bracket)

cord wrap bracket

Figure 2

power cord from 16-outlet power unit

side panel grommet
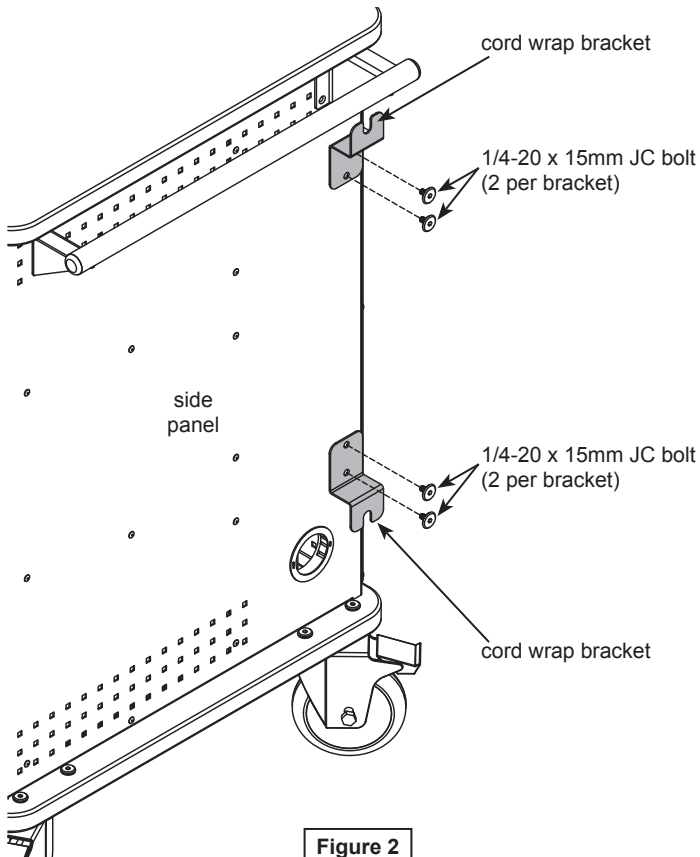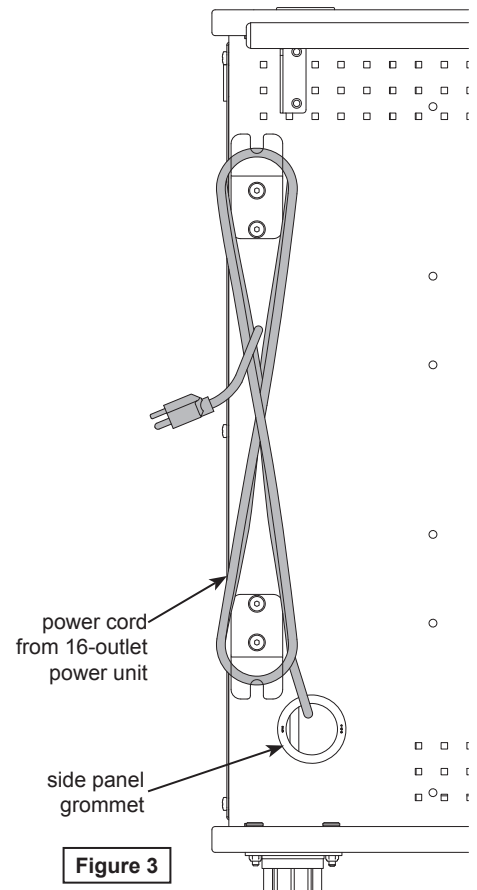
Figure 3

Power-side access

locking door on 55318 and 55329 (swings open)
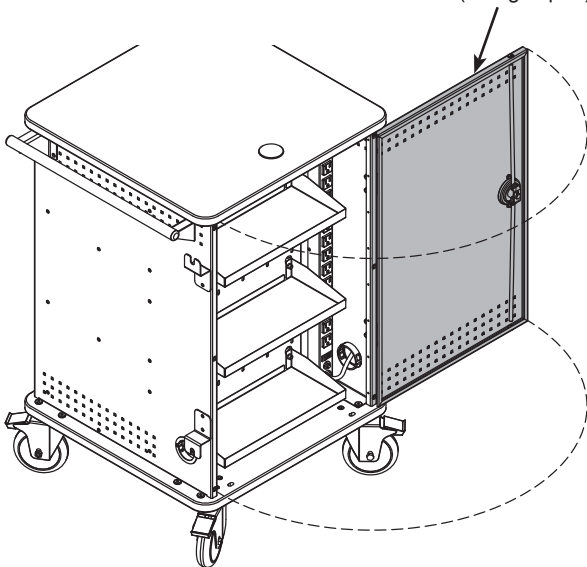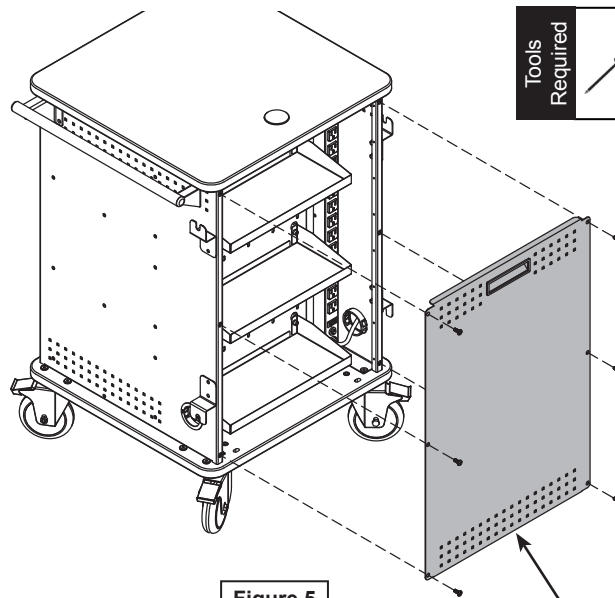
Tools Required
Phillips screwdriver

Figure 4

Figure 5

solid panel on 55315 and 55319
*remove (6) 1/4-20 x 5/8" PHM screws to take panel off

SPECTRUM INDUSTRIES INC.

mLT-30 cord management

1. Remove the rear panel (or open rear door.) Make sure all power cords are unplugged.
2. Wiring without wire management trays: Stack two chargers together along with the necessary bundled charge cords, and attach to the cart using zip ties and the slots shown in **Figure 6**.
   Wiring with trays: Set chargers with bundled charge cords in trays.
3. Charge cords can be routed to the laptops several different ways depending where the charge jacks are located on your particular laptops. Use zip ties and the cord management slots to route and anchor the laptop charge cords to the cart. Cords can be anchored with the included zip ties as shown. **Figure 7**. Pine-tree clips are also installed under the worksurface for securing charge cords. **Figure 7 and 8**.
4. Place up to 30 mini laptops or netbooks into the storage slots (2 per slot).
5. With the power unit switches in the OFF position, plug the chargers into the power units, and the chargers into the laptops.
6. Plug each power cord into a separate circuit.
7. When all power units and laptops are plugged in, flip the power switches to the ON position.

power-side

16-outlet power unit

(2) chargers stacked together and zip tied

zip ties

16-outlet power unit

cord wrap bracket

cord wrap bracket

Note: Power switches can be accessed through the side panel grommet holes.

cord wrap bracket

chargers in cord management tray

cord wrap bracket

12' [365 cm] power cord (separate circuit recommended for each power unit)

12' [365 cm] power cord (separate circuit recommended for each power unit)

power switch

power switch

reset button

reset button

Figure 6

SPECTRUM
INDUSTRIES INC.

power-side

student-side

$12\frac{1}{4}$ [31.02 cm]

charge cord

pine tree clips

Mini laptop / netbook

10 [25.28 cm]

charge cord
position 1

zip ties

charge cord
position 3

charge cord
position 2

wiring option 1
chargers secured
to brackets with
Velcro
(tray not needed)

power unit

charge cord

$12\frac{1}{4}$ [31.02 cm]

Mini laptop / netbook

10 [25.28 cm]

zip ties

charge cord
position 1

wiring option 2
chargers on wire
management tray

charge cord
position 3

charge cord
position 2

charge cord

$12\frac{1}{4}$ [31.02 cm]

Mini laptop / netbook

10 [25.28 cm]

charge cord
position 1

zip ties

charge cord
position 3

charge cord
position 2

Figure 7

SPECTRUM
INDUSTRIES INC.

pine-tree clips

4

worksurface

mini-laptop / netbook

15 storage compartments
4"W [10.16 cm] x 12¼"D
[31.12 cm] x 10"H [25.4 cm]
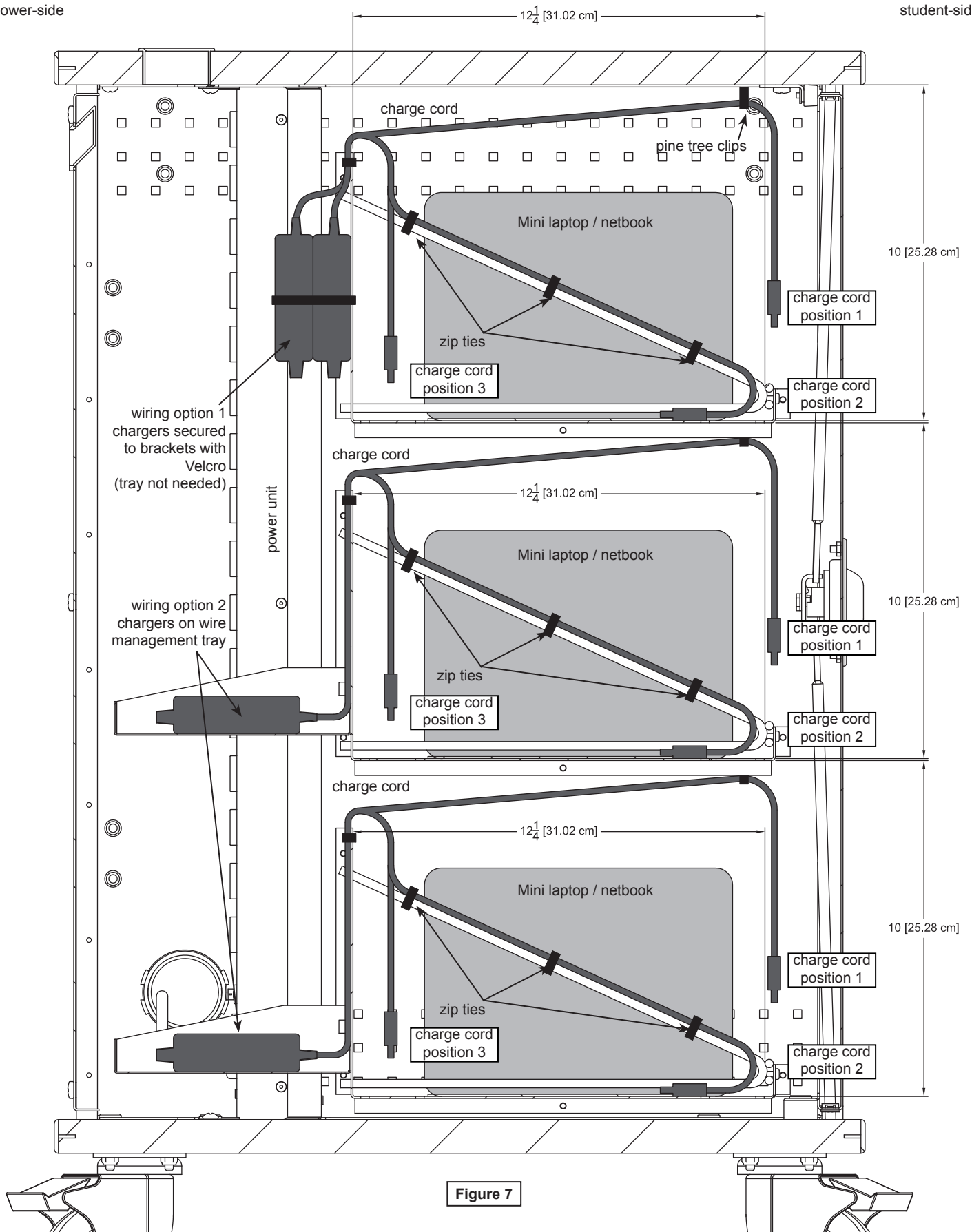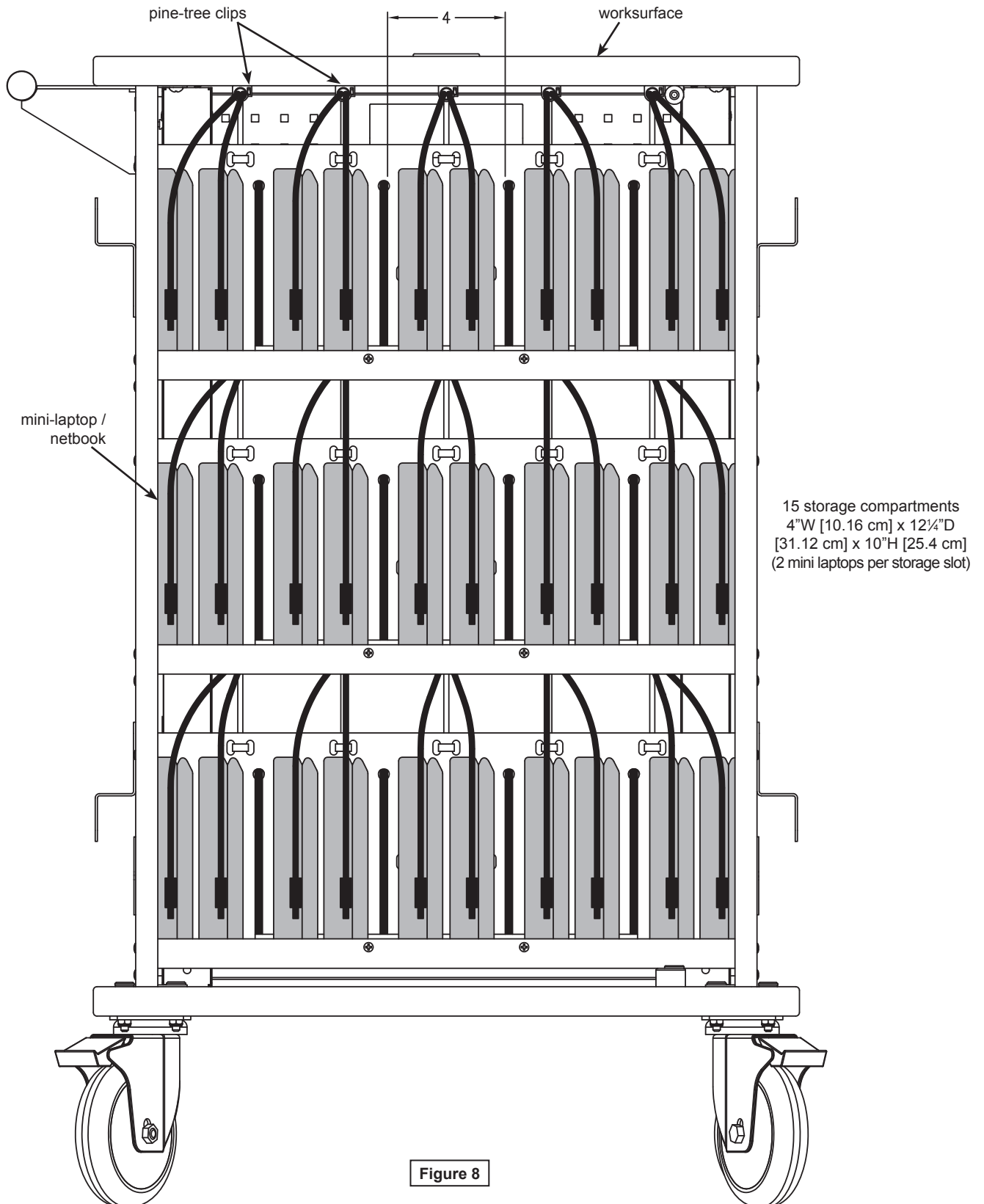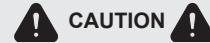(2 mini laptops per storage slot)
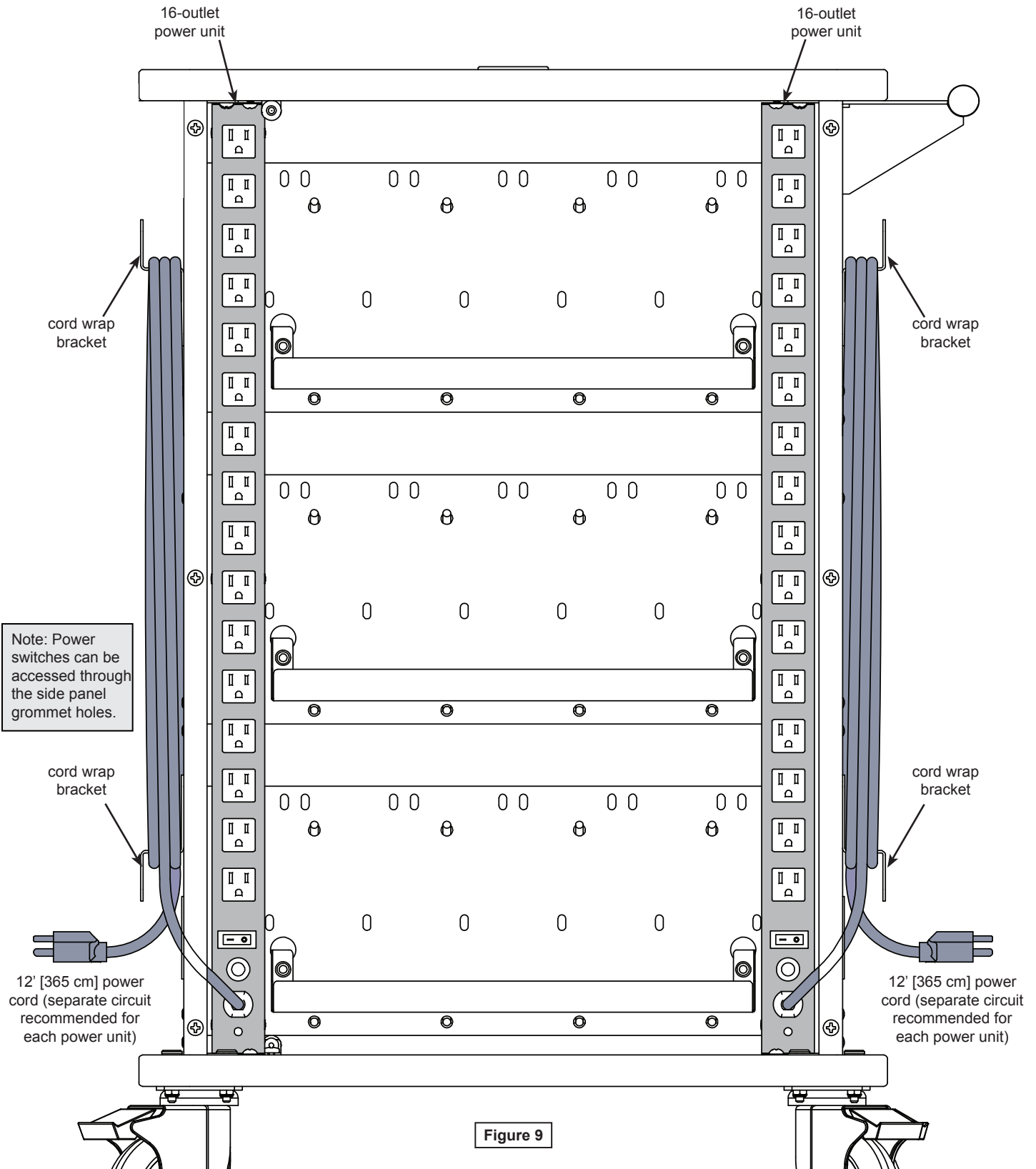
Figure 8

SPECTRUM
INDUSTRIES INC.

mLT-30 power cord management

1. Switch off both power units.
2. Route the power unit cords as shown. **Figure 9**.
3. Plug each power cord into a separate circuit.
4. When all power units and laptops are plugged in, flip the switch on each power unit to the ON position.
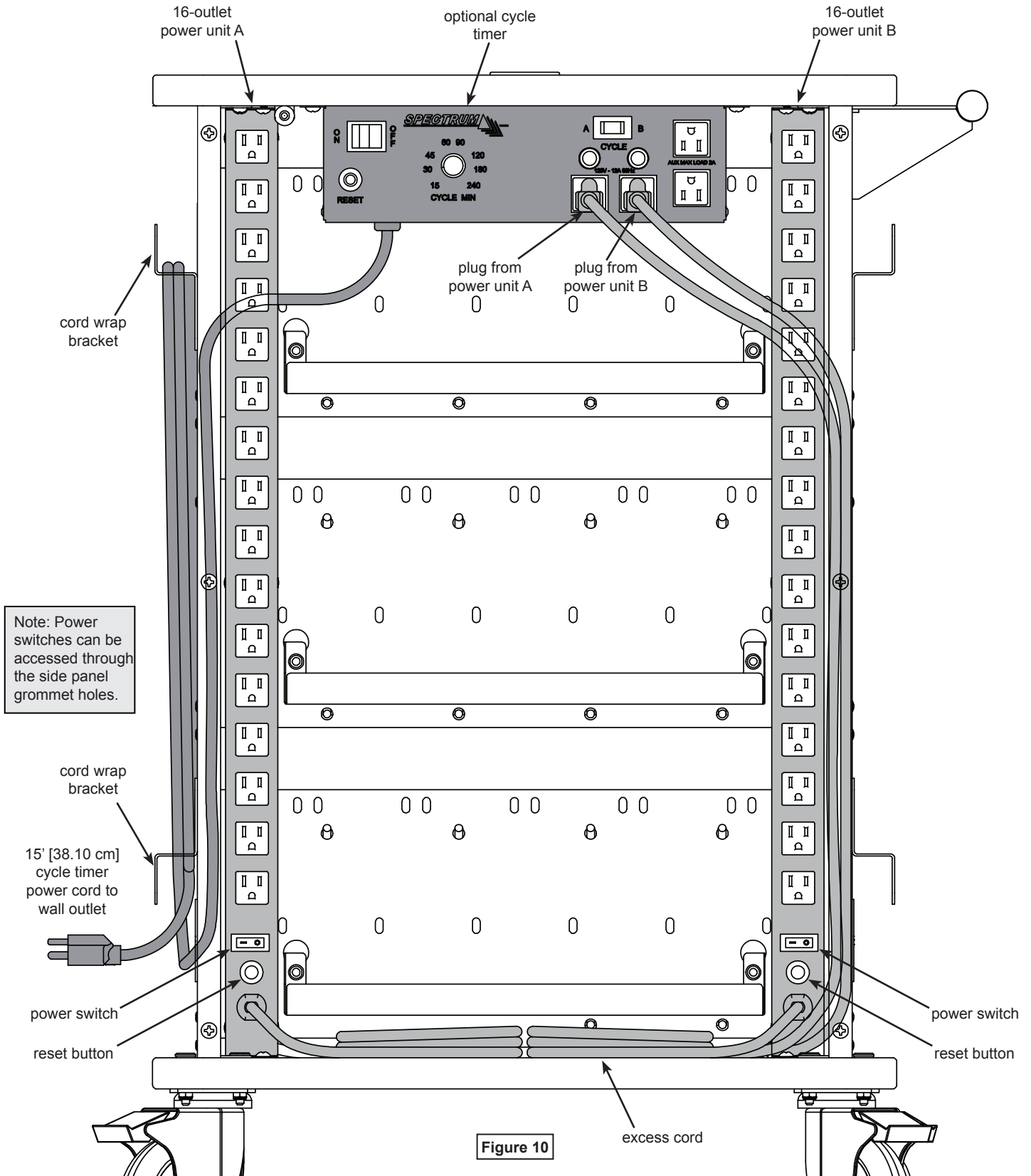
⚠️ **CAUTION** ⚠️

The mLT-30 Mini Laptop Cart features two separate 16-outlet charging circuits on separate cords. Some computers may draw more than ½ amp when fully discharged. If that is the case, plugging the two power cords into separate 15-amp electrical outlets will prevent an electrical overload which may trip a circuit breaker. Please consult the owners manual of your specific laptop computer for further information.

16-outlet power unit

16-outlet power unit

cord wrap bracket

cord wrap bracket

Note: Power switches can be accessed through the side panel grommet holes.

cord wrap bracket

cord wrap bracket

12' [365 cm] power cord (separate circuit recommended for each power unit)

12' [365 cm] power cord (separate circuit recommended for each power unit)

Figure 9

SPECTRUM INDUSTRIES INC.

mLT-30 power cord management with timer

1. Switch both power units and the cycle timer OFF.
2. Route the power unit cords as shown and plug one in to the A side outlet, and one into the B side outlet on the timer. **Figure 10**. (Routing these cords behind the power units will provide easier access to the outlets.)
3. Plug the cycle timer power cord into a wall outlet.

16-outlet power unit A

optional cycle timer

16-outlet power unit B

plug from power unit A

plug from power unit B

cord wrap bracket

Note: Power switches can be accessed through the side panel grommet holes.

cord wrap bracket

15' [38.10 cm] cycle timer power cord to wall outlet

power switch

reset button

power switch

reset button

excess cord

Figure 10

SPECTRUM INDUSTRIES INC.

Wheel operation

1. To lock the wheel rotation, press the brake lever. **Figure 11**.
2. To resume operation, lift up on brake lever.
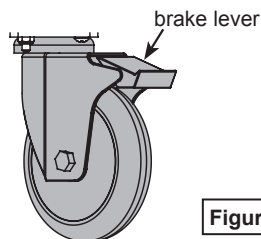
brake lever

Figure 11

Door stop adjustment

If necessary, the offset door stop can be rotated slightly to adjust the closed position of the doors and lock rods.

1. To rotate, loosen the JC bolt slightly with a 4mm hex wrench. **Figure 12**.
2. Rotate the door stop until the door is positioned correctly.
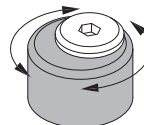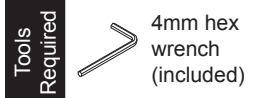3. Re-tighten the JC bolt securely.

Figure 12
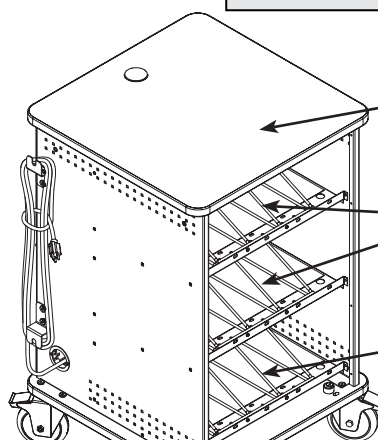
Tools Required

4mm hex wrench (included)

Moving the cart

- Unplug all power cords.
- Secure cords around the cord wrap brackets.
- Close and lock doors.
- Remove any items from the top of the worksurface.
- Unlock the wheels.
- Push the cart slowly and carefully. Do not move over uneven or irregular surfaces.
- Do not allow children to move.
- Lock the wheels after moving.

⚠ **Caution** ⚠
This cart is intended for use only with the maximum weights indicated. Use with appliances heavier than the maximum weights indicated may result in instability causing possible injury.

⚠ **Caution** ⚠
Maximum load not to exceed 60 lbs [27.22 kg] on worksurface

Parking the cart

- Do not park the cart in areas of heavy traffic.
- Do not run power cords across hallways, classrooms, or other areas where they will be walked on.
- Do not leave cart unattended in areas where children have access.
- Keep doors closed and locked whenever the cart is unattended or parked for charging or storage.
- Keep wheels locked whenever the cart is unattended.

⚠ **Caution** ⚠
Maximum load not to exceed 58 lbs [26.31 kg] on shelf

⚠ **Caution** ⚠
Maximum load not to exceed 24 lbs [10.89 kg] on lower shelf
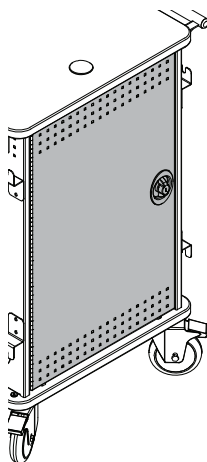
(shown with door removed)

Figure 13

Options
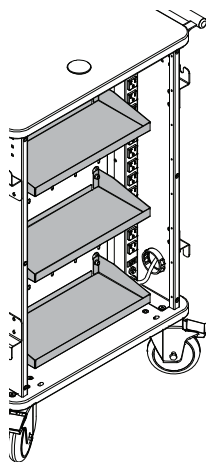
Wire management trays
16"W [40.64 cm] x 6"D [15.24 cm] x 2"H [5.08 cm]
(set of 3 trays hold chargers and cords)
shipping weight: 7 lbs [3.18 kg]
55316

Locking rear door
19¼"W [48.90 cm] x ¾"D [1.91 cm]
x 30"H [76.20 cm]
(replaces panel on power side-can be installed to be hinged from left or right-side)
shipping weight: 13 lbs [5.90 kg]
55317
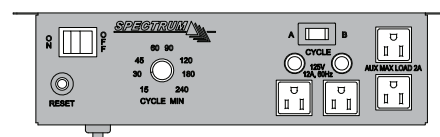
Cycle timer
with 15' [457.2 cm] cord
(see page 8 for wiring diagram)
99035

Velcro® strap kit
(16) ¾" [1.91 cm] x 12" [30.48 cm],
and (32) ¾" [1.91 cm] x 5" [12.70 cm]
Velcro® straps
95004

SPECTRUM
INDUSTRIES INC.

ON / OFF switch
(controls power to timer
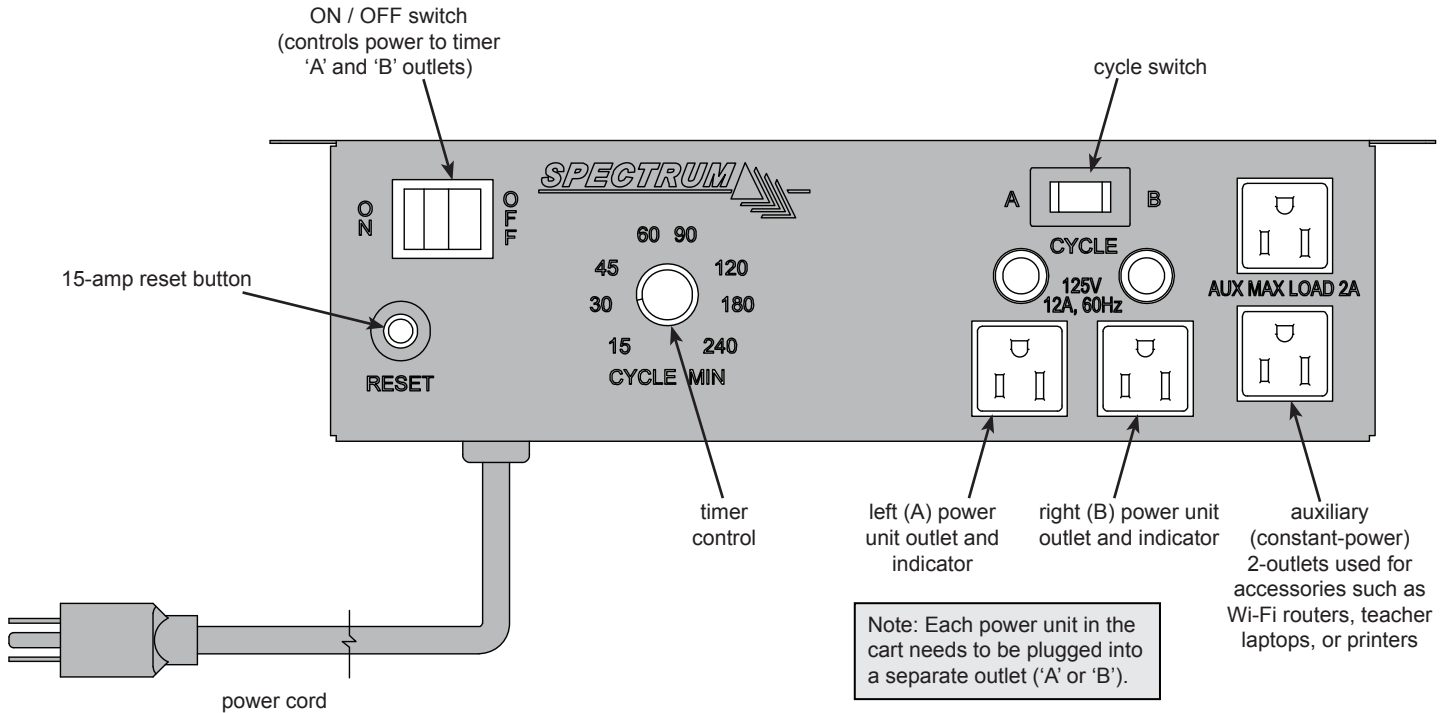'A' and 'B' outlets)

cycle switch

15-amp reset button

SPECTRUM

ON   OFF

RESET

60 90
45   120
30   180
15   240
CYCLE MIN

A   B
CYCLE
125V
12A, 60Hz

AUX MAX LOAD 2A

power cord

timer control

left (A) power unit outlet and indicator

right (B) power unit outlet and indicator

auxiliary (constant-power) 2-outlets used for accessories such as Wi-Fi routers, teacher laptops, or printers

Note: Each power unit in the cart needs to be plugged into a separate outlet ('A or 'B').

Using Timer

The timer prevents overload by alternating power between both power units in the cart, providing charging to multiple laptops or devices during the day. The power units plug into the outlets labeled 'A' or 'B'.

The timer control can be adjusted between 15-240 minutes. This is the number of minutes a power unit will be "hot" before the timer switches to the other power unit. 15 minutes can be used as the default setting, but the time setting will depend on the laptop size, battery capacity, frequency of laptop use, and the time available for charging between uses. Lower minute settings should be used if the laptops are being used more frequently.

- To cycle charge both 'A' and 'B' sides, keep the cycle switch in the middle 'Cycle' position, then set the timer control to the desired cycling increment. After the side 'A' time expires, the timer will activate side "B" for the same period of time and will continue to cycle until the ON / OFF switch is set to the "OFF" position.
- To manually-override the timer function, and charge the 'A' or 'B' side only, switch the cycle switch from the middle to the 'A' or 'B' position.

Specifications

- 12-amp, 120 volt, 60Hz
- 15-240 minute timer
- 15' [457.2 cm], 14 AWG power cord

⚠ CAUTION ⚠

- Do not use the auxiliary outlets to charge multiple laptops or devices (use the 'A' and 'B' outlets only.) Auxiliary outlets are for peripheral use only.
- Switch the timer power switch OFF before unplugging or plugging-in the main power unit plugs.
- Ensure total device / equipment load does not exceed 12-amps per power unit.
- Do not plug the power cord into an extension cord.
- Inspect power cord before each use.
- Do not use power cord that is damaged.
- Do not unplug by pulling on the cord.
- Do not step on, drive over, drag, or place objects on the power cord.
- For added safety, plug the timer into a grounded three-prong outlet controlled by a GFI (Ground Fault Interrupter) circuit breaker.

SPECTRUM
INDUSTRIES INC.

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.

This warranty is exclusive; no other warranty, written or oral, is expressed or implied. This warranty is given by Spectrum to Buyer and to no other person or legal entity. No Spectrum dealer, distributor, agent or employee is authorized to make any modification or addition to this warranty.

NOTWITHSTANDING ANYTHING TO THE CONTRARY, SPECTRUM WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR INDIRECT OR LIQUIDATED DAMAGES, INCLUDING CONSEQUENTIAL, INCIDENTAL AND SPECIAL DAMAGES. IN NO EVENT SHALL SPECTRUM'S LIABILITY, WHETHER UNDER CONTRACT OR WARRANTY, IN TORT OR OTHERWISE, EXCEED THE PURCHASE PRICE RECEIVED BY SPECTRUM FOR THE PRODUCT AT ISSUE AND "RECALL ACTION" EXPENSES. SPECTRUM SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW, WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY SPECTRUM, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO.

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	
• General Use Casters	
• Electrical	• 1 Year
• Keyboard/Mouse Trays	
• Flat Panel Monitor Arm – General Parts	• 5 Years
• Flat Panel Monitor Arm – Gas Cylinders	• 2 Years
• Computer Desk Chassis	
• Cart Chassis	• 10 Years
• Lectern Chassis	

c(UL)us LISTED

SCScertified™
INDOOR AIR QUALITY
Indoor Advantage | Furniture

ISO 9001:2008
Certified Company

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

SPECTRUM INDUSTRIES INC.

925 First Avenue, PO Box 400, Chippewa Falls, WI 54729 **Ph:** *800-235-1262,* **715-723-6750** **Fax:** *800-335-0473,* **715-738-2309**

E-mail: *spectrum@spectrumfurniture.com* **web:** *www.spectrumfurniture.com*