



Wenger®



# OVERVIEW — INTRODUCTION



OVER 65 YEARS OF SERVICE IN NEW CONSTRUCTION AND RENOVATION PROJECTS. Wenger is your trusted resource for equipment, furniture and services to help you create the most effective facilities for music, theatre and athletics. We have an enormous library of resources and hundreds of professionals ready to put their expertise to work for you.

**Wenger®**

*Your Performance Partner*

# OVERVIEW — INTRODUCTION



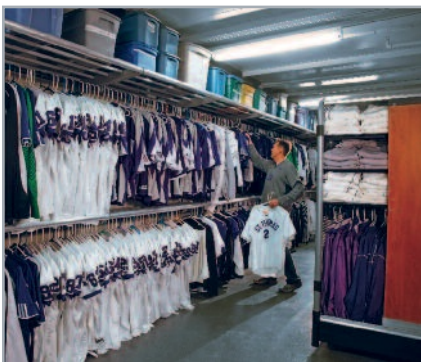
## MUSIC

A day doesn't go by without Wenger visiting with a band or orchestra director or talking with a choral director or meeting with a school administrator, architect or acoustician. These relationships have been going on for over 65 years and you can imagine what kind of insights we've gained into what music facilities need to succeed.



## THEATRE

Whatever the facility, from small black box theatres to large performing arts centers, Wenger provides innovative products designed specifically for the needs of rehearsal and performance – durable, versatile products that save time and labor.



## ATHLETICS

GearBoss® by Wenger is a complete, state-of-the-art system designed to help with all aspects of your athletic program. From lockers, to storage, to equipment transport and fund-raising solutions, GearBoss products save you time, space, and effort. They're flexible and customizable so your system can change as your needs change. Plus, we'll work with you every step of the way to make sure you get exactly the right system – nothing more, nothing less.

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## Five ways Wenger can help create the ideal facility.

### SOUND ISOLATION

Every Wenger Practice Room features guaranteed sound isolation — plus a modular design that makes it easy to relocate. Wenger acoustical doors are pre-engineered for consistent high-integrity installation.

### ACOUSTICAL SHELLS AND TREATMENTS

Acoustically superior, aesthetically pleasing, surprisingly affordable designs. Wenger will support your own design efforts by providing layout and design drafting, engineering, and spec development.

### STORAGE

Our experts will help you configure the most effective plan for instrument, music, media or athletic equipment storage. This free service helps you maximize space and minimize traffic congestion, and it helps save significant hours of layout time.

### PLATFORM SYSTEMS

Let us show you how to convert the auditorium orchestra pit into a stage extension or additional seating area. We can also offer options for portable stages or tiered audience seating that can be used throughout the facility. And all consultations are free.

### FURNITURE

Wenger offers the most comprehensive line of music education furniture available, all attractively coordinated with contemporary colors and designs. Catalogs, color and fabric samples, and specs and layout information available.

## Use Areas - APPLICATIONS

WENGER PRODUCTS	BAND, ORCHESTRA, CHORAL REHEARSAL ROOMS	AUDITORIUM	BLACK BOX THEATRE	GYMNASIUM CAFETORIUM MULTIPURPOSE	ATHLETIC EQUIPMENT ROOM	OUTDOOR PERFORMANCE
Sound Isolated Practice Rooms	✓	✓	✓			
Acoustical Door	✓	✓	✓	✓		
Seated Riser Systems	✓	✓	✓	✓		
Instrument Storage Systems	✓			✓		
Robe & Uniform Storage	✓			✓	✓	
Music Storage	✓			✓		
Acoustical Shells	✓	✓	✓	✓		✓
Acoustical Treatments	✓	✓	✓			
Orchestra Pit Filler & Stage Extensions		✓				
Platforms & Staging Systems	✓	✓	✓	✓		✓
Tiered Audience Seating Systems		✓		✓		
Fixed Audience Seating		✓	✓	✓		
Portable Accessibility Ramp	✓	✓	✓	✓		✓
Makeup Stations		✓	✓	✓		
GearBoss High-Density Storage	✓			✓	✓	
GearBoss Shelving	✓			✓	✓	
Furniture	✓	✓	✓	✓	✓	✓

Product specifications require special assistance. Please call your Wenger representative to discuss product options and project requirements, after which we will present you with a customized specification. You can also request product specifications on our website at [wengercorp.com](http://wengercorp.com). We've designed our website for your total convenience.



# Getting greener and greener together.

Our first efforts at environmental stewardship were simple ideas, based on common sense, but they set the stage for nearly seven decades of forward thinking. Today we're doing more than ever to make Wenger Corporation more environmentally sound and sustainable. We also actively support our customers' efforts to achieve their own green goals:

## LEED certification process

Wenger has the insights and experience to make the process easier for our customers to understand and attain. We'll also help you complete LEED documentation requirements, including identifying and implementing practical and measurable green building design, construction, operations, and maintenance solutions.

## USGBC adherence

Wenger is dedicated to fulfilling the green-building principles behind the USGBC and its LEED Initiative. Once you start down the road to LEED certification, you will be meaningfully supported every step of the way. [www.usgbc.org](http://www.usgbc.org)



## FSC CoC certification

Wenger certified products are built with materials tracked by FSC® throughout our production process, from the forest to end use and including processing, transformation, manufacturing, and distribution. Look for the FSC label for proof of environmental accountability. [www.fsc.org](http://www.fsc.org)



## GREENGUARD certification

We are committed to working with The GREENGUARD Environmental Institute (GEI) to continue to improve our emissions and air-quality performance. [www.greenguard.org](http://www.greenguard.org)



## The perfect plan for you

Your own environmental plans may be advanced or just seeds of ideas. Whatever your situation, Wenger has the comprehensive experience and expertise you need to achieve your own green initiatives. Please call today and let's get started.

## At Wenger, we're making environmental strides in all phases of our business.

### Products:

- GREENGUARD® certification for SoundLok™ Sound-Isolation Rooms, Chairs and Stands, Instrument, Garment, and Specialty Storage Cabinets, including UltraStor™ and new Edge™ and GearBoss® Storage Carts
- Optional environmentally sensitive core material in Instrument Storage Cabinets
- High-efficiency electronic ballasts in Sound-Isolating Practice Rooms
- Wax coating on Student Chair Tablet Arm Desks eliminates emissions vs three-step solvent process
- Powder paint finishing reduces waste by 65% vs plating/solvent processes

### Manufacturing:

- Precise raw material ordering eliminates waste
- Computer-optimized cutting processes improve yield
- ISO quality-improvement tools reduce scrap
- Multiple use of manufacturing cooling/rinse water before discharge
- Residual material in aerosol cans is contained and disposed of properly

- Super-insulated drying and curing ovens minimize heat loss and reduce consumption
- Green cleaning agents and a non-metallic conversion coating vs caustic finish pretreatments
- Instant foam packaging — free of CFCs and HCFCs — used where possible
- Stretch-wrapping eliminates corrugated waste
- Pallets are reused or remanufactured
- Clean-burning diesel emission-control in Wenger delivery trucks
- Post-installation packaging is returned and reused or recycled

### Operations:

- Use recycled paper, recycle all paper
- Regular facility-wide recycling collection
- Recycling drop-off for employees
- Routine collection of steel and aluminum dropoff
- Routine collection of oils used in manufacturing
- Electronic information delivery
- Advanced low-consumption plant lighting
- Smart HVAC central control system
- Sawdust is collected and given away for animal bedding

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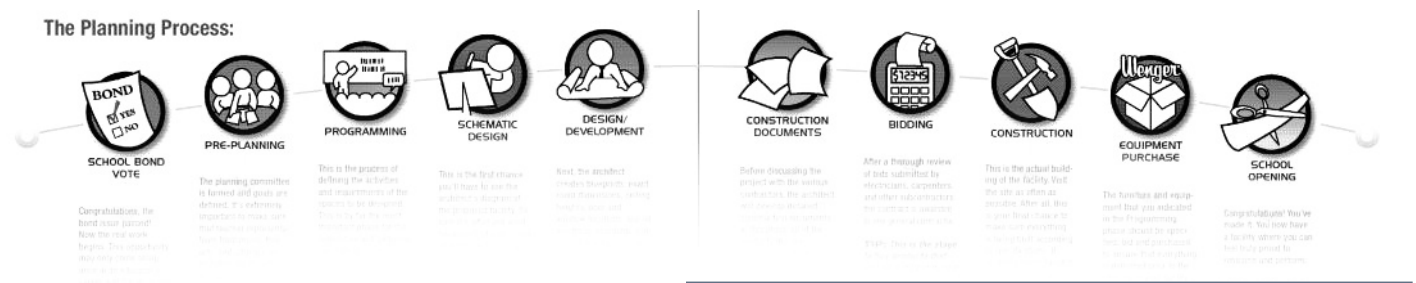
# Expertise you should leverage early and often.

The success of your new facility depends on your plan. Call Wenger before you start and we'll help you design your ideal environment, perfectly balancing budget, needs, space, and traffic like no other resource. For nearly seven decades we've helped thousands of educators and administrators get the most out of every dollar for new construction, renovations, additions, and improvements. In fact, no other company in the world has spent more time with music educators or studied more types of music facilities.

Your Wenger representative is in tune with music performance and education and will help you make smart, cost-effective decisions on everything from product selection to space allocation to stretching a tight budget. You'll also benefit from our close working relationship with architects, ensuring your satisfaction by providing them with a trusted resource for the complexities of rehearsal-space and performance-space design.

Please keep in mind we can also collaborate with your committee and give you the support and resources you need to persuasively present your plan. It's also important to know that from concept to completion, putting Wenger experience and expertise to work doesn't cost you a dime.

The planning process for these types of facilities can vary from project to project. Fortunately every process follows a timeline of similar steps that we can help you prepare for. From the passing of a school bond to design, bidding and construction, Wenger can help you be ready every step of the way. We can share our expertise and experience in this process to help you make yours a success.



## Planning is Easier with our Free Planning Guides:



### Wenger Planning Guides

Everything you need to understand the new construction process and what you can do to most effectively organize your objectives to make sure your new music facility is the best it can be.

### Wenger Athletic Space Planning Guide

This is an ideal resource to help athletic directors, school administrators, coaches, equipment planners and architects plan new facilities or improve the space usage within existing ones.



Wenger Representatives also offer a 45 minute presentation that addresses, "Design Considerations for Secondary School Music Facilities." Wenger Corporation is a Registered Provider with The American Institute of Architects Continuing Education Systems. Credit earned on completion of this program will be reported to CES Records for AIA members. Certificates of Completion for non-AIA members are available.

**Call 1.800.4WENGER (493-6437)  
for our free literature today.**





# MUSIC REHEARSAL & PRACTICE ROOMS



# MUSIC REHEARSAL & PRACTICE ROOMS



**SOUNDLOK® SOUND-ISOLATION ROOMS AND VIRTUAL ACOUSTICAL ENVIRONMENTS™**  
Wenger practice rooms provide guaranteed sound isolation in a modular design that is easy to relocate. They also offer a level of performance and flexibility that is impossible to achieve with built-in rooms. SoundLok® Practice Rooms with VAE technology dramatically enhances music education by simulating a variety of distinct practice and performance environments.



**ACOUSTICAL DOORS**  
Wenger Acoustical Doors provide superior sound isolation that's easy to install. Our doors accommodate almost any wall thickness, so you don't have to worry about installation compromises that can ruin sound isolation. Many models are available with a one-hour fire rating.



**INTERACTIVE ACOUSTICAL PANELS**  
Wenger acoustical panels optimize sound by providing proper sound absorption and diffusion for rehearsal rooms to reduce loudness and produce the sound quality and sense of ensemble required for effective music education.



**SEATED RISER SYSTEMS**  
Wenger seated risers can be customized for any space. With their unique engineering, you can design the size and shape that suits your needs. They're durable, stable and will actually enhance the acoustics of a rehearsal room when compared with poured concrete risers.



**INSTRUMENT STORAGE SYSTEMS**  
Wenger storage solutions are built with superior hardware, stronger shelves, more durable laminates and advanced construction techniques. Wenger systems are engineered to optimize traffic flow and reduce congestion – and a variety of color combinations blend easily with any music room décor.



**ROBE & UNIFORM STORAGE**  
Innovative engineering and superior construction practices combine to create systems that are as functional as they are unique. Wenger has paid special attention to proper airflow and ventilation, as well as storage solutions that deter theft or vandalism.



**MUSIC STORAGE**  
Wenger music storage systems make music much more accessible and easy to locate – and it does this in only a fraction of the space compared to standard file cabinets. Wenger systems are built for reliability and durability with a much cleaner, more organized appearance that lasts for years.

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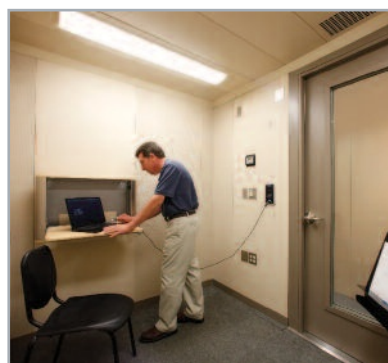
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# SOUNDLOK® SOUND-ISOLATION ROOMS



# SOUNDLOK® SOUND-ISOLATION ROOMS



Modular, relocatable  
practice rooms with  
superior sound isolation.

## SOUND-ISOLATION PRACTICE ROOMS

Wenger pioneered sound isolation in practice rooms, and we continue to use the most advanced technologies to set new standards. More often than not, the built-in practice rooms we see simply do not work. They leak sound in and out, and the internal acoustics are often among the worst in the entire building. For built-in rooms to work, the high level of detail in the design leaves too many areas to chance during the construction phase. Often a small compromise or cut corner can render these rooms unusable for practice.

Wenger guarantees the performance of our sound-isolation practice rooms. Wenger rooms also offer a clean, attractive look that you can coordinate to your space. And each room is modular – so it can be moved down the hall as your facility needs change, and can be re-sized in the future.



## PRODUCT DETAILS

- Clean, attractive 4" (10cm) thick steel wall and ceiling panels are filled with high-grade acoustical insulation.
- Rails, channels, and corner pieces interlock panels at the floor and ceiling with double-sealed, IsoLoss™-gasketed seams.
- Glass-panel door allows easy monitoring, inviting ambience and personal security.
- Built-in advanced ventilation system supplies complete fresh air exchange every two minutes, or connects to existing HVAC system.
- Special electronic ballasts lower power consumption of lighting and prevent fluorescent hum.
- UL®-classified room electrical system.
- Freestanding modular rooms are installed under the supervision of Wenger technicians.
- Five-year warranty.

## OPTIONS

- Internal ceiling heights range from 7'6" (229cm) to 10' (305cm) in 6" (15cm) increments.
- Special door options include a 4' (122cm) door for large instruments and a double door for grand piano.
- Vertical window panel.
- Horizontal broadcast windows in two sizes.
- Closure panels create a complete built-in look for side-by-side installations.
- Extra-capacity raceway for communications and network cabling.
- Floating floor for even greater sound isolation.
- Virtual Acoustical Environments technology.
- Drop-down shelf
- Glass mirror
- Metronome/Tuner

### Wall Panel, Ceiling Panel & Ceiling Trim Colors



Sahara Warm Sand Vanilla Oyster

### Door & Floor Rail Colors



Charcoal Grey Warm Beige

### Upgrade Selections Interior Wall Wood Accent Colors (Upcharge Applies)



Cherry

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## Application Information

How can a student be expected to practice the flute when the sound of the trumpet next door is blasting through the walls and leaking through the vents? Or how can a French horn player improve tone when the internal acoustics in the practice room are muddy or excessively bright?

Wenger pioneered sound isolation in practice rooms, and we continue to use the most advanced technologies to set new standards. That's why we can guarantee the performance of our sound-isolation practice rooms.

Our modular rooms offer a clean, attractive look with closure panels for a seamless installation. And each room is relocatable — so you can move it down the hall or across town as your facility needs change.

### USAGE

Sound-isolated individual or group practice rooms and teaching studios.

### PERFORMANCE REQUIREMENTS

- Clean, professional 4" (10 cm) thick steel wall and 6" (15 cm) thick ceiling panels are filled with high-grade acoustical insulation.
- Rails, channels, and corner pieces interlock panels at the floor and ceiling with double-seated-gasketed seams.
- 3' (91 cm) wide door with glass-panel allows easy monitoring, personal security, and inviting ambience.
- Advanced fan ventilation system supplies complete fresh air exchange every 1.5 to 2.5 minutes. For direct-connect HVAC systems, contact your Wenger representative.
- Special electronic ballasts lower power consumption of lighting and eliminate fluorescent hum.
- UL® classified room electrical system.
- Five-year warranty.

### OPTIONS

- Room heights (interior) available in 6" (15 cm) increments from 7'6" to 10' (2.3m- 3m).
- Door Options: 3' (91 cm) standard; 4' (122 cm) door for large instruments; double door for grand piano.
- Vertical window panels available.
- Horizontal broadcast application windows available in 60" (152 cm) and 90" (229 cm) lengths.
- Horizontal and vertical closure panels available to create a complete, built-in look for side-by-side installations.
- Choice of fan unit or direct HVAC connection to building system.
- Extra-capacity raceway for communications and network cabling.
- Floating floor for even greater sound isolation.
- Available in four exterior colors.
- Interior woodgrain finish available.



## Application Information

### GENERAL INFORMATION

- Practice rooms are pre-wired to be easily upgraded to Virtual Acoustic Environments™ (VAE).
- The modular design allows easy relocation, size changes and reconfiguring as needs change.

### GENERAL SPECIFICATIONS

- Many size options accommodate one performer or ensembles up to 20 performers.
- Sizes range from 5'8" x 4'5" to 19'5" x 25'8". (173 x 135 cm to 592 x 782 cm). VAE upgrade is possible on practice rooms with areas up to 328 square feet (30.5 square meters).
- Internal ceiling height ranges from 7'6" to 10' 0" (229 to 305 cm) in 6" (15 cm) increments.
- UL® Classified room wiring system.
- Surfaces: powder-coat paint.
- Sound-isolating door: STC = 46, with a full window.
- Sound-isolating ventilation: Acoustically isolated HVAC connection. Data available upon request.

### SOUND-ISOLATION AND INTERNAL ACOUSTICS

- Ideal acoustical environment for uninterrupted instruction, rehearsal, recording, etc.
- Acoustically dry environment accurately reflects sound.
- Rated: NIC 41 exterior to interior; NIC 63 interior to interior of adjacent module.
- Ambient noise at center of module: NIC 25 with lighting and ventilation systems "on" (with built-in fans).
- Acoustically seals to floor without attachments, adhesives, or caulking.

### CONSTRUCTION

- Wall and ceiling panels achieve ASTM E84/UL 94 Class 1 classification for flame spread and smoke developed.
- Wall and ceiling panels feature epoxy powder-baked finish.
- Hardware and electrical trim finish is satin chrome or painted to match.
- Wall and ceiling frames are 16-gauge steel channels.
- Floor frame compensates for up to 3/4" (2 cm) variation in floor surface.
- Includes 1 1/4" (3 cm) neoprene pad under the frame to isolate floor vibration.
- Interior surfaces are 22-gauge perforated or solid steel; exterior surface is 16-gauge solid steel.
- Panel perimeters feature continuous acoustical gaskets and alignment locks.
- STC 46 rated doors are pre-hung on 36" (91 cm) frame for either right- or left-hand swing, either in-swing- or out-swing.
- Doors feature a double acoustical seal and an acoustically engineered full Vision Lite.
- Corner sections with built-in speaker enclosures and wiring included for VAE and upgradeable rooms.
- Wall panels with built-in microphone mounts with wiring included for VAE and upgradeable rooms.

### MECHANICAL SYSTEMS

- Built-in components and wiring to allow for easy upgrade to VAE rooms without complete module disassembly.
- Built-in fluorescent lighting with electronic ballasts to minimize noise and power consumption. Provides 50 fc at 36" (91 cm) above the floor.
- Room has a UL®-Classified electrical system. Features one quad receptacle, lighting, fan (as applicable), and system switches and 20' (6 m) power cable. Requires wiring using a Wenger supplied connector by a local electrician.
- Three quad boxes for customer installed fire alarms, phone lines, data ports, etc.
- Built-in fan system typically exchanges ambient surrounding air every 1.5 to 2 minutes.
- Module ventilation ducting features acoustically isolating construction.

## Application Information

### LAYOUT REQUIREMENTS

This information should help you incorporate sound-isolation practice rooms with or without VAE Technology into your plans. If you have questions or require additional information, please call us.

- A building ceiling height of 8'9" (267 cm) is required for non-upgradeable rooms with 7'6" (229 cm) interior ceiling height and integral fan ventilation system.
- A ceiling height of 9'0" (274 cm) is required for upgradeable or VAE rooms with 7'6" (229 cm) interior ceiling height and integral fan ventilation system.
- A building ceiling height of 10'7" (323 cm) is required for HVAC rooms with 7'6" (229 cm) interior ceiling height connected to the building ventilation system. This allows 2'0" (61 cm) above the 8" (20 cm) diameter HVAC adapter at the top of the room for connection of flex duct supplied by others.
- 12" (30 cm) of space is recommended between walls and/or building structure for ventilation and acoustical performance.
- Installations not on grade level or less than 5" (13 cm) of concrete floor that is above ground level should include optional floor system to control structure-borne sound. When floors are used, contact Wenger regarding ADA compliance.
- Refer to room weights for structural loading requirements.
- Floor must be level within  $\frac{3}{4}$ " (2 cm) over the entire perimeter of the room.

### FLEXIBILITY FACTORS

- The floor rail has  $\frac{3}{4}$ " (2 cm) of adjustability for irregularities in the floor.
- Panel changeability:  
The panel arrangements shown in the typical layout drawings are for normal music practice usage. Because of the component design, each panel (i.e., door, power) can be positioned at any point around the perimeter of the room. Each room can be ordered with any optional combination of panels.
- Door available with right-hand (RH), right-hand reverse (RHR) left-hand (LH), left-hand reverse (LHR) swings.
- Interior ceiling height options from 7'6" to 10' 0" (229 to 305 cm) in 6" (15 cm) increments are available for all rooms. Building ceiling height requirements rise accordingly.

### SITE PREP REQUIREMENTS

- Building wall and floor finishes completed to specification by others.
- Building electrical system completed and Wenger supplied connector installed by others.
- Provide dedicated electrical service for each room's 20' (244 cm) power input cable.
- HVAC connections to each 8" (20 cm) diameter inlet and outlet flange is to be made with flex ducting supplied by others. Rooms with optional powered fan ventilation systems require no external ducting.

### INSTALLATION REQUIREMENTS

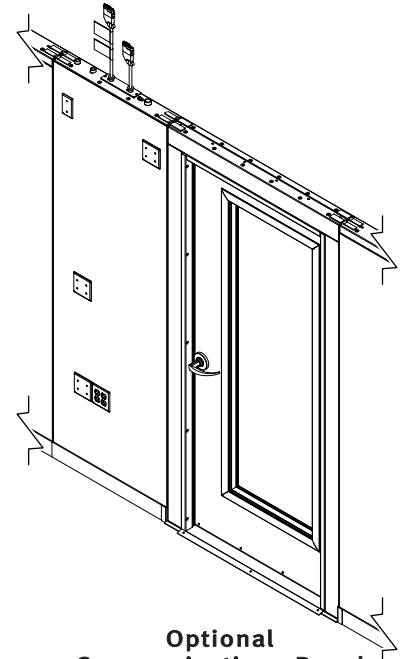
- Wenger supplied closure panels required.
- North American electrical requirements: 120V, 20A, 60Hz for each room. Dedicated circuit required. Contact Wenger for international requirements.
- Ambient temperature for VAE system 32°F to 95°F (0° to 35°C).
- Installation by Wenger is standard.
- See drawings for clearance requirements.

**Wenger practice rooms including rooms with VAE Technology feature UL® classified electrical systems.**

## Typical Drawings

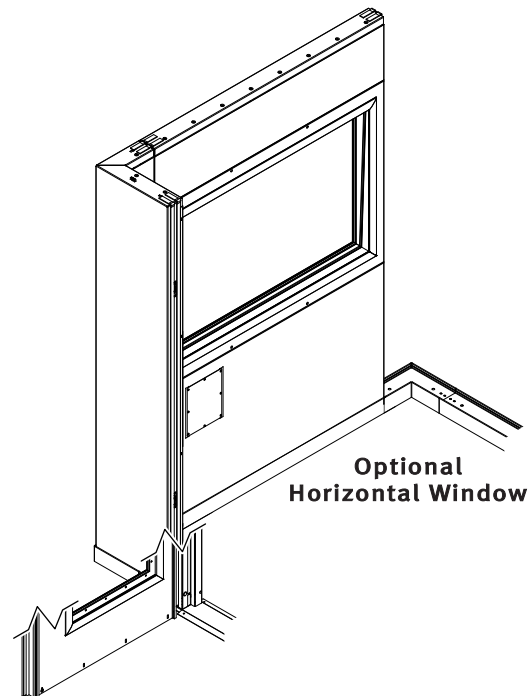
### Options

- Communication panel and large box communication panel provide junction boxes for customer installed phone lines, data connections, additional electrical outlets and low-voltage studio communications, etc.
- Sound-isolating floating floor system recommended when building floor is less than 5" (13 cm) thick.
- Custom options include the following: one-way glass, double doors and track ready light panels.
- 4' (122 cm) door and 6' (183 cm) double door to accommodate percussion instruments such as a large timpani.
- Window panel viewable window area:  
30" (76 cm) panel is 23 5/8" wide x 75 5/8" high (60 x 192 cm).



Optional  
Communications Panel

- Horizontal broadcast window: 60" (152 cm) and 90" (229 cm) wide.



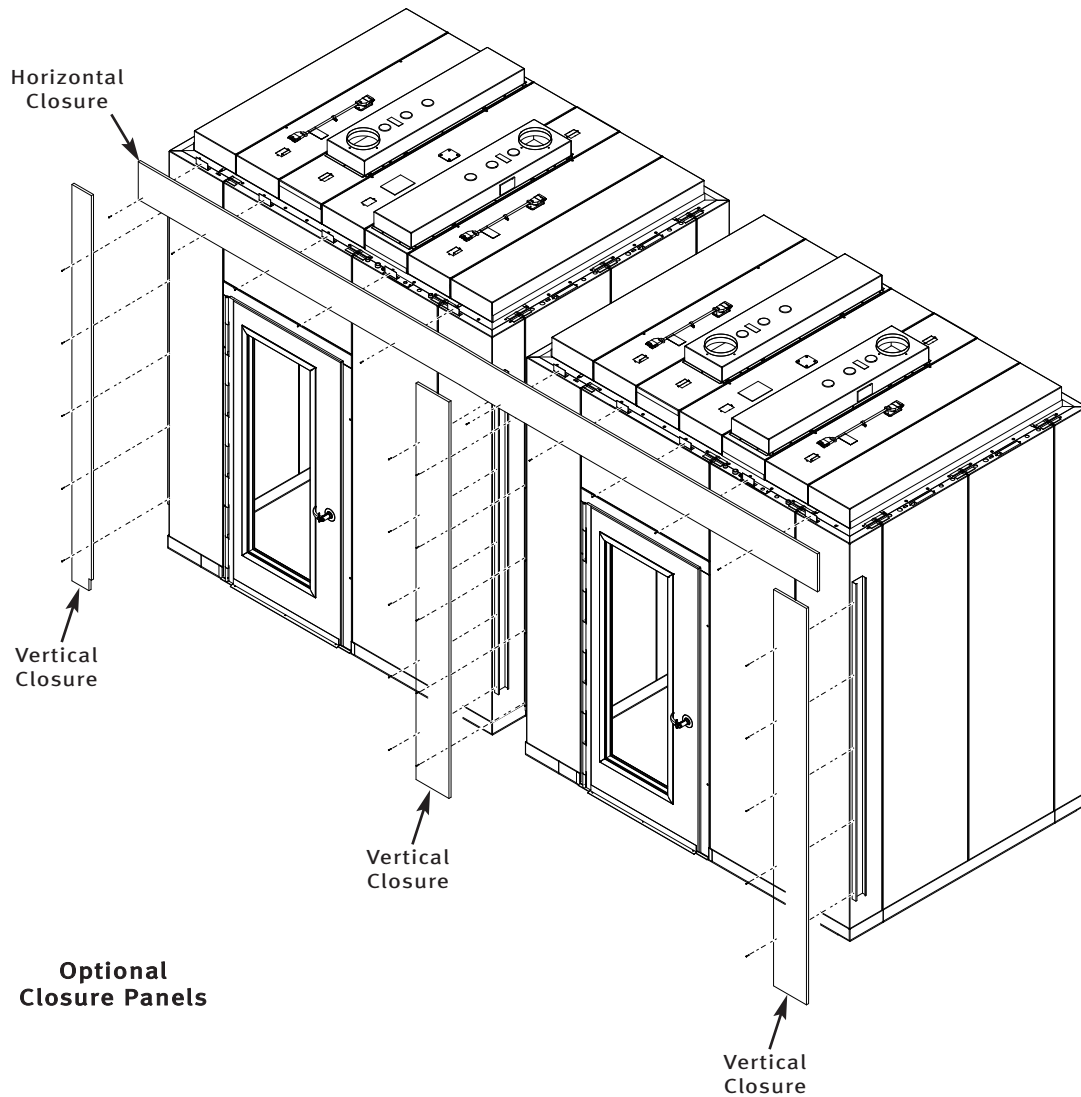
Optional  
Horizontal Window



## Typical Drawings

### Options

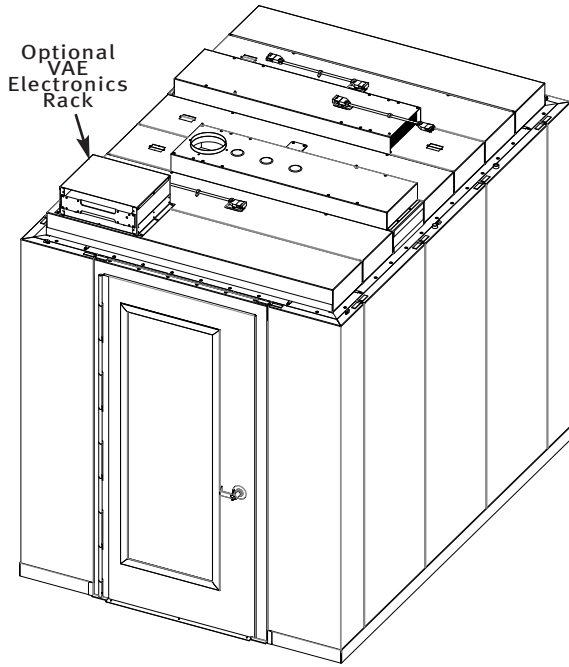
- Closure panels provide a clean, built-in look for side-by-side practice room installations. Maximum 24" (61 cm) vertical width and maximum 24" (61 cm) horizontal height (horizontal closures are required for practice rooms that have VAE technology).



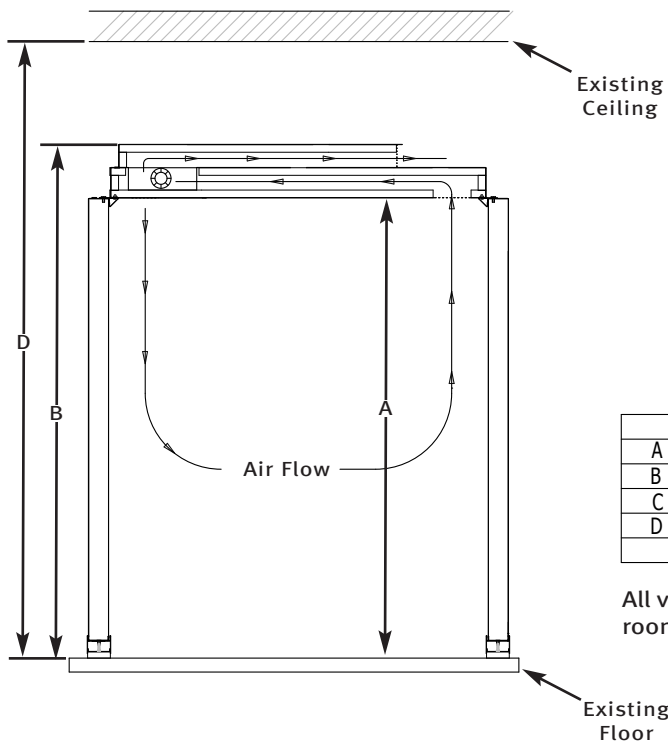
## Application Information

### Options

#### Typical Module – with built-in fans



- Wenger employs a modular concept in room design. Walls are constructed from interchangeable 30" (762 mm) wide panels. Room layout can vary from the view shown. Wall, door, window, electrical and other optional panels can be arranged to customize the room.
- Wenger will design each room for optimum placement of doors, windows, electrical panels, lights and fan/vent panels.
- Recommended room to room or room to wall spacing is 12" (305 mm). Closer spacing may be possible but must be reviewed by Wenger for interference, access and ventilation issues.
- Windows in adjacent rooms can be protected from glare and dust by an optional shadow box installed around the periphery of the windows.



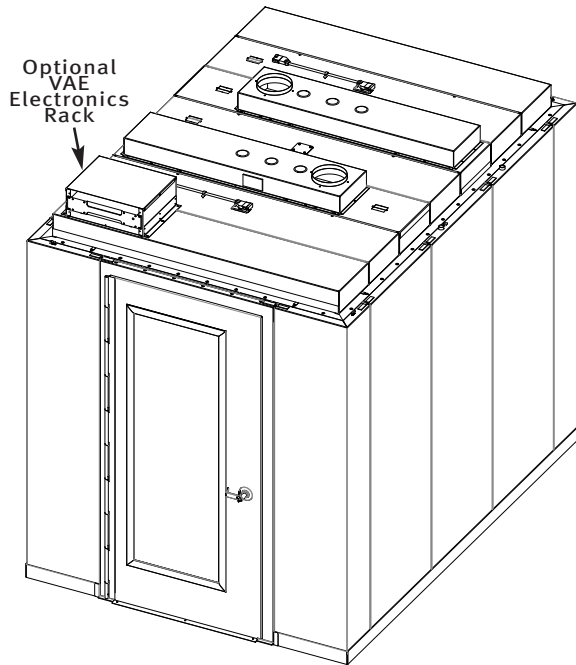
	STANDARD ROOMS	HEIGHTS DIMENSIONS
A	INTERIOR CEILING HEIGHT	7'-6 1/8" (2289 mm)
B	HEIGHT TO TOP OF FAN AND INTAKE PANEL	8'-6 1/2" (2604 mm)
C	HEIGHT TO THE TOP OF VAE ELECTRONICS RACK	8'-6 3/4" (2632 mm)
D	MINIMUM INSTALL CLEARANCE REQUIRED	8'-9" (2667 mm)

All values can be increased in 6" (15 cm) increments for taller rooms up to 10' (305 cm) interior height.

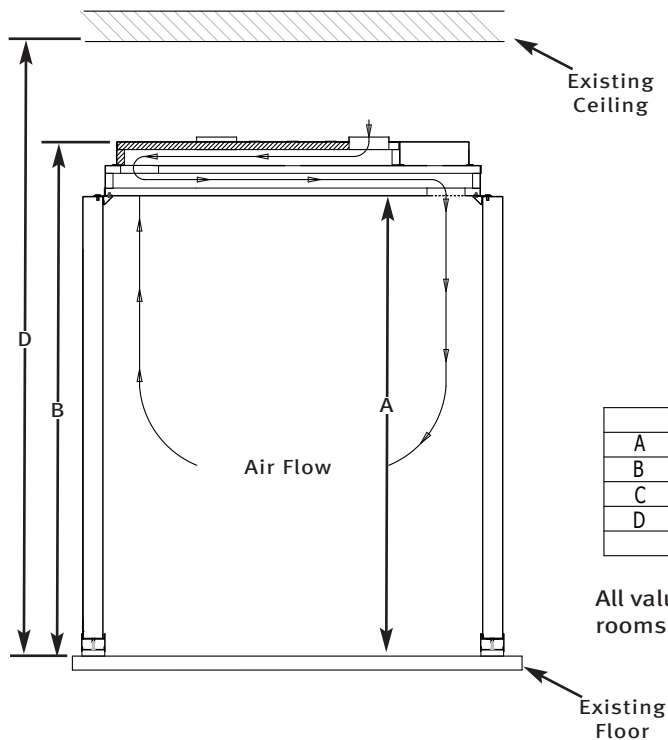
## Typical Drawings

### Options

#### Typical Module – with direct connect HVAC



- Wenger employs a modular concept in room design. Walls are constructed from interchangeable panels. Room layout can vary from the view shown. Wall, door, window, electrical and other optional panels can be arranged to customize the room.
- Wenger will design each room for optimum placement of doors, windows, electrical panels, lights and ceiling HVAC panels.
- Recommended room to room or room to wall spacing is 12" (305 mm). Closer spacing may be possible but must be reviewed by Wenger for interference, access and ventilation issues.
- Windows in adjacent rooms can be protected from glare and dust by an optional shadow box installed around the periphery of the windows.
- Larger rooms will have ceiling-mounted HVAC vents used in pairs.



	STANDARD ROOMS	HEIGHTS DIMENSIONS
A	INTERIOR CEILING HEIGHT	7'-6 1/8" (2289 mm)
B	HEIGHT TO TOP LIP OF HVAC ADAPTER (8" ROUND)	8'-6 1/2" (2604 mm)
C	HEIGHT TO THE TOP OF VAE ELECTRONICS RACK	8'-6 3/4" (2632 mm)
D	RECOMMENDED MIN CLEARANCE FOR HOOK UP HVAC	10'-7" (3226 mm)

All values can be increased in 6" (15 cm) increments for taller rooms up to 10' (305 cm) interior height.

# SOUNDLOK® SOUND-ISOLATION ROOMS

## Application Information

Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
1-2 Musicians	5'8" x 4'5" (173 x 135 cm)	18.8 ft <sup>2</sup> (1.75 m <sup>2</sup> )	1377 lbs (625 kg)	1.4	51	0.5	53
	6'11" x 4'5" (211 x 135 cm)	23.4 ft <sup>2</sup> (2.17 m <sup>2</sup> )	1514 lbs (687 kg)	1.4	41	0.5	53
	5'8" x 5'8" (173 x 173 cm)	25 ft <sup>2</sup> (2.32 m <sup>2</sup> )	1855 lbs (841 kg)	1.4	38	0.5	53
	6'11" x 5'8" (211 x 173 cm)	31.3 ft <sup>2</sup> (2.91 m <sup>2</sup> )	2057 lbs (933 kg)	1.4	31	0.5	53
	5'8" x 8'2" (173 x 249 cm)	36.7 ft <sup>2</sup> (3.41 m <sup>2</sup> )	2283 lbs (1036 kg)	1.9	26	1.0	53
	6'11" x 6'11" (211 x 211 cm)	39.1 ft <sup>2</sup> (3.63 m <sup>2</sup> )	2289 lbs (1038 kg)	1.4	25	0.5	53
	9'5" x 5'8" (287 x 173 cm)	42.9 ft <sup>2</sup> (3.99 m <sup>2</sup> )	2477 lbs (1124 kg)	1.9	22	1.0	65
	6'11" x 8'2" (211 x 249 cm)	45.8 ft <sup>2</sup> (4.25 m <sup>2</sup> )	2496 lbs (1132 kg)	1.9	21	1.0	65
	5'8" x 10'8" (173 x 325 cm)	50 ft <sup>2</sup> (4.65 m <sup>2</sup> )	2698 lbs (1224 kg)	2.8	39	1.0	65
Upright Piano or 3-4 Musicians	8'2" x 8'2" (249 x 249 cm)	53.8 ft <sup>2</sup> (5.00 m <sup>2</sup> )	2672 lbs (1212 kg)	2.8	35	1.0	105
	6'11" x 9'5" (211 x 287 cm)	53.6 ft <sup>2</sup> (4.98 m <sup>2</sup> )	2725 lbs (1236 kg)	2.8	35	1.0	105
	5'8" x 11'11" (173 x 363 cm)	56.3 ft <sup>2</sup> (5.23 m <sup>2</sup> )	2897 lbs (1314 kg)	2.8	34	1.0	105
	5'8" x 13'2" (173 x 401 cm)	61.7 ft <sup>2</sup> (5.73 m <sup>2</sup> )	3090 lbs (1402 kg)	3.3	31	1.5	105
	6'11" x 10'8" (211 x 325 cm)	62.5 ft <sup>2</sup> (5.81 m <sup>2</sup> )	2925 lbs (1327 kg)	2.8	31	1.0	105
	9'5" x 8'2" (287 x 249 cm)	62.9 ft <sup>2</sup> (5.84 m <sup>2</sup> )	2877 lbs (1305 kg)	2.8	29	1.0	105
	14'5" x 5'8" (439 x 173 cm)	67.9 ft <sup>2</sup> (6.31 m <sup>2</sup> )	3310 lbs (1501 kg)	3.3	28	1.5	105
	6'11" x 11'11" (211 x 363 cm)	70.3 ft <sup>2</sup> (6.53 m <sup>2</sup> )	3135 lbs (1422 kg)	2.8	27	1.0	105
	10'8" x 8'2" (325 x 249 cm)	75 ft <sup>2</sup> (6.97 m <sup>2</sup> )	3088 lbs (1401 kg)	2.8	26	1.0	129
	9'5" x 9'5" (287 x 287 cm)	76.6 ft <sup>2</sup> (7.12 m <sup>2</sup> )	3117 lbs (1414 kg)	3.6	25	1.8	129
	6'11" x 13'2" (211 x 401 cm)	77.1 ft <sup>2</sup> (7.16 m <sup>2</sup> )	3368 lbs (1528 kg)	3.3	37	1.5	117
	11'11" x 8'2" (363 x 249 cm)	82.5 ft <sup>2</sup> (7.66 m <sup>2</sup> )	3340 lbs (1515 kg)	3.3	23	1.5	129
	14'5" x 6'11" (439 x 211 cm)	84.9 ft <sup>2</sup> (7.89 m <sup>2</sup> )	3564 lbs (1617 kg)	4.2	22	1.5	129
	9'5" x 10'8" (287 x 325 cm)	87.5 ft <sup>2</sup> (8.13 m <sup>2</sup> )	3383 lbs (1535 kg)	4.5	33	1.8	129

# SOUNDLOK® SOUND-ISOLATION ROOMS

## Application Information

Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
Grand Piano or 5-6 Musicians	13'2" x 8'2" (401 x 249 cm)	90.4 ft <sup>2</sup> (8.40 m <sup>2</sup> )	3626 lbs (1645 kg)	4.2	31	1.5	170
	15'8" x 6'11" (478 x 211 cm)	93.7 ft <sup>2</sup> (8.71 m <sup>2</sup> )	3846 lbs (1745 kg)	4.2	21	1.5	170
	9'5" x 11'11" (287 x 363 cm)	96.6 ft <sup>2</sup> (8.97 m <sup>2</sup> )	3631 lbs (1647 kg)	4.5	29	1.8	170
	14'5" x 8'2" (439 x 249 cm)	99.6 ft <sup>2</sup> (9.25 m <sup>2</sup> )	3862 lbs (1752 kg)	4.2	28	1.5	158
	10'8" x 10'8" (328 x 328 cm)	100 ft <sup>2</sup> (9.29 m <sup>2</sup> )	3984 lbs (1807 kg)	4.7	29	2.0	170
	9'5" x 13'2" (287 x 401 cm)	105.8 ft <sup>2</sup> (9.83 m <sup>2</sup> )	3851 lbs (1747 kg)	4.5	26	1.8	170
	15'8" x 8'2" (478 x 249 cm)	110 ft <sup>2</sup> (10.22 m <sup>2</sup> )	4072 lbs (1847 kg)	4.7	26	2.0	194
	10'8" x 11'11" (328 x 363 cm)	112.5 ft <sup>2</sup> (10.45 m <sup>2</sup> )	4269 lbs (1936 kg)	4.7	26	2.0	170
	9'5" x 14'5" (287 x 439 cm)	116.6 ft <sup>2</sup> (10.83 m <sup>2</sup> )	4079 lbs (1850 kg)	4.5	24	1.8	170
	16'11" x 8'2" (516 x 249 cm)	119.2 ft <sup>2</sup> (11.07 m <sup>2</sup> )	4321 lbs (1960 kg)	4.7	24	2.0	170
13'2" x 10'8" (401 x 328 cm)	123.3 ft <sup>2</sup> (11.45 m <sup>2</sup> )	4433 lbs (2011 kg)	4.7	23	2.0	170	
Percussion or 7-8 Musicians	11'11" x 11'11" (363 x 363 cm)	126.6 ft <sup>2</sup> (11.76 m <sup>2</sup> )	4544 lbs (2061 kg)	4.7	23	2.0	210
	18'2" x 8'2" (554 x 249 cm)	127.1 ft <sup>2</sup> (11.81 m <sup>2</sup> )	4558 lbs (2067 kg)	4.7	23	2.0	210
	9'5" x 15'8" (287 x 478 cm)	128.8 ft <sup>2</sup> (11.97 m <sup>2</sup> )	4346 lbs (1971 kg)	4.5	22	1.8	210
	10'8" x 14'5" (328 x 439 cm)	135.8 ft <sup>2</sup> (12.62 m <sup>2</sup> )	4844 lbs (2197 kg)	4.7	21	2.0	210
	19'5" x 8'2" (592 x 249 cm)	136.3 ft <sup>2</sup> (12.66 m <sup>2</sup> )	4774 lbs (2165 kg)	5.2	21	2.5	210
	13'2" x 11'11" (401 x 363 cm)	138.7 ft <sup>2</sup> (12.89 m <sup>2</sup> )	4771 lbs (2164 kg)	4.7	21	2.0	210
	9'5" x 16'11" (287 x 516 cm)	139.5 ft <sup>2</sup> (12.96 m <sup>2</sup> )	4602 lbs (2087 kg)	5.4	20	2.7	234
	20'8" x 8'2" (630 x 249 cm)	146.6 ft <sup>2</sup> (13.62 m <sup>2</sup> )	4990 lbs (2263 kg)	5.2	20	2.5	234
	18'2" x 9'5" (554 x 287 cm)	148.8 ft <sup>2</sup> (13.82 m <sup>2</sup> )	4882 lbs (2214 kg)	5.4	19	2.7	234
	15'8" x 10'8" (478 x 328 cm)	150 ft <sup>2</sup> (13.94 m <sup>2</sup> )	4849 lbs (2199 kg)	5.5	19	2.8	234
	13'2" x 13'2" (401 x 401 cm)	152.1 ft <sup>2</sup> (14.13 m <sup>2</sup> )	5072 lbs (2301 kg)	5.7	19	3.0	234
	11'11" x 14'5" (363 x 439 cm)	152.8 ft <sup>2</sup> (14.20 m <sup>2</sup> )	5112 lbs (2319 kg)	4.7	19	2.0	234
	21'11" x 8'2" (668 x 249 cm)	155.8 ft <sup>2</sup> (14.47 m <sup>2</sup> )	5224 lbs (2370 kg)	5.2	19	2.5	234

# SOUNDLOK® SOUND-ISOLATION ROOMS

## Application Information

Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
9-10 Musicians	9'5" x 19'5" (287 x 592 cm)	159.5 ft <sup>2</sup> (14.82 m <sup>2</sup> )	5155 lbs (2338 kg)	5.4	18	2.7	299
	10'8" x 16' 11" (325 x 516 cm)	162.5 ft <sup>2</sup> (15.10 m <sup>2</sup> )	5518 lbs (2503 kg)	5.7	18	3.0	275
	23'2" x 8'2" (706 x 249 cm)	163.8 ft <sup>2</sup> (15.22 m <sup>2</sup> )	5528 lbs (2507 kg)	5.7	18	3.0	275
	13'2" x 14'5" (401 x 439 cm)	167.5 ft <sup>2</sup> (15.56 m <sup>2</sup> )	5453 lbs (2473 kg)	5.7	17	3.0	275
	15'8" x 11'11" (478 x 363 cm)	168.8 ft <sup>2</sup> (15.68 m <sup>2</sup> )	5280 lbs (2395 kg)	5.5	17	2.8	275
	20'8" x 9'5" (630 x 287 cm)	171.7 ft <sup>2</sup> (15.95 m <sup>2</sup> )	5333 lbs (2419 kg)	6.3	17	3.6	299
	24'5" x 8'2" (744 x 249 cm)	172.9 ft <sup>2</sup> (16.06 m <sup>2</sup> )	5745 lbs (2606 kg)	5.7	17	3.0	299
	18'2" x 10'8" (554 x 325 cm)	173.3 ft <sup>2</sup> (16.10 m <sup>2</sup> )	5328 lbs (2417 kg)	6.3	17	3.6	299
	21'11" x 9'5" (668 x 287 cm)	182.4 ft <sup>2</sup> (16.95 m <sup>2</sup> )	5595 lbs (2538 kg)	6.3	16	3.6	275
	11'11" x 16'11" (363 x 516 cm)	182.8 ft <sup>2</sup> (16.98 m <sup>2</sup> )	5804 lbs (2633 kg)	5.7	16	3.0	275
	14'5" x 14'5" (439 x 439 cm)	184.5 ft <sup>2</sup> (17.14 m <sup>2</sup> )	5671 lbs (2572 kg)	5.5	15	2.8	275
	13'2" x 15'8" (401 x 478 cm)	185 ft <sup>2</sup> (17.19 m <sup>2</sup> )	5731 lbs (2600 kg)	5.7	15	3.0	275
	19'5" x 10'8" (592 x 325 cm)	185.8 ft <sup>2</sup> (17.26 m <sup>2</sup> )	6111 lbs (2772 kg)	6.7	16	4.0	299
	23'2" x 9'5" (706 x 287 cm)	191.7 ft <sup>2</sup> (17.81 m <sup>2</sup> )	5817 lbs (2639 kg)	6.3	15	3.6	299
	18'2" x 11'11" (554 x 363 cm)	195 ft <sup>2</sup> (18.12 m <sup>2</sup> )	5710 lbs (2590 kg)	6.3	15	3.6	299

## Application Information

Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
11-12 Musicians	20'8" x 10'8" (630 x 325 cm)	200 ft <sup>2</sup> (18.58 m <sup>2</sup> )	6185 lbs (2805 kg)	5.7	15	3.0	299
	13'2" x 16'11" (401 x 516 cm)	200.4 ft <sup>2</sup> (18.62 m <sup>2</sup> )	6033 lbs (2737 kg)	6.6	19	3.0	315
	24'5" x 9'5" (744 x 287 cm)	202.4 ft <sup>2</sup> (18.80 m <sup>2</sup> )	6045 lbs (2742 kg)	7.2	19	3.6	352
	15'8" x 14'5" (478 x 439 cm)	203.8 ft <sup>2</sup> (18.93 m <sup>2</sup> )	5920 lbs (2685 kg)	6.4	19	2.8	352
	11'11" x 19'5" (363 x 592 cm)	209 ft <sup>2</sup> (19.42 m <sup>2</sup> )	6411 lbs (2908 kg)	7.6	18	4.0	315
	18'2" x 13'2" (554 x 401 cm)	213.8 ft <sup>2</sup> (19.86 m <sup>2</sup> )	6018 lbs (2730 kg)	7.2	18	3.6	340
	25'8" x 9'5" (782 x 287 cm)	214.6 ft <sup>2</sup> (19.94 m <sup>2</sup> )	6261 lbs (2840 kg)	8.1	18	4.5	352
	14'5" x 16'11" (439 x 516 cm)	220.7 ft <sup>2</sup> (20.50 m <sup>2</sup> )	6305 lbs (2860 kg)	7.8	17	4.2	352
	23'2" x 10'8" (706 x 325 cm)	223.3 ft <sup>2</sup> (20.75 m <sup>2</sup> )	6378 lbs (2893 kg)	8.2	17	4.6	352
	15'8" x 15'8" (478 x 478 cm)	225 ft <sup>2</sup> (20.90 m <sup>2</sup> )	6208 lbs (2816 kg)	7.8	17	4.2	352
	20'8" x 11'11" (630 x 363 cm)	225 ft <sup>2</sup> (20.90 m <sup>2</sup> )	6666 lbs (3024 kg)	8.1	17	4.5	352
	13'2" x 19.5" (401 x 592 cm)	229.2 ft <sup>2</sup> (21.29 m <sup>2</sup> )	6658 lbs (3020 kg)	7.6	16	4.0	340
	18'2" x 14'5" (554 x 439 cm)	235.4 ft <sup>2</sup> (21.87 m <sup>2</sup> )	6356 lbs (2883 kg)	7.2	16	3.6	340
	24'5" x 10'8" (744 x 325 cm)	235.8 ft <sup>2</sup> (21.91 m <sup>2</sup> )	6764 lbs (3068 kg)	8.2	16	4.6	340
	21'11" x 11'11" (668 x 363 cm)	239 ft <sup>2</sup> (22.20 m <sup>2</sup> )	6863 lbs (3113 kg)	8.1	16	4.5	340

# SOUNDLOK® SOUND-ISOLATION ROOMS

## Application Information

Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
Ensembles of 13-15 Musicians	16'11" x 15'8" (516 x 478 cm)	243.8 ft <sup>2</sup> (22.65 m <sup>2</sup> )	6532 lbs (2963 kg)	7.8	16	4.2	340
	20'8" x 13'2" (630 x 401 cm)	246.7 ft <sup>2</sup> (22.92 m <sup>2</sup> )	7031 lbs (3189 kg)	8.1	16	4.5	340
	25'8" x 10'8" (782 x 325 cm)	250 ft <sup>2</sup> (22.23 m <sup>2</sup> )	7023 lbs (3186 kg)	8.2	15	4.6	412
	23'2" x 11'11" (706 x 363 cm)	251.2 ft <sup>2</sup> (23.34 m <sup>2</sup> )	6875 lbs (3118 kg)	8.2	15	4.6	412
	14'5" x 19'5" (439 x 592 cm)	252.4 ft <sup>2</sup> (23.45 m <sup>2</sup> )	7019 lbs (3184 kg)	7.8	15	4.2	412
	18'2" x 15'8" (554 x 478 cm)	260 ft <sup>2</sup> (24.15 m <sup>2</sup> )	6751 lbs (3062 kg)	7.2	15	3.6	400
	21'11" x 13'2" (668 x 401 cm)	262.1 ft <sup>2</sup> (24.35 m <sup>2</sup> )	7348 lbs (3333 kg)	8.1	15	4.5	412
	16'11" x 16'11" (516 x 516 cm)	264.1 ft <sup>2</sup> (24.54 m <sup>2</sup> )	6934 lbs (3145 kg)	7.8	15	4.2	412
	24'5" x 11'11" (744 x 363 cm)	265.3 ft <sup>2</sup> (24.65 m <sup>2</sup> )	7332 lbs (3326 kg)	8.2	15	4.6	412
	20'8" x 14'5" (630 x 439 cm)	271.7 ft <sup>2</sup> (25.24 m <sup>2</sup> )	7543 lbs (3421 kg)	8.1	15	4.5	412
	15'8" x 19'5" (478 x 592 cm)	278.8 ft <sup>2</sup> (25.90 m <sup>2</sup> )	7265 lbs (3295 kg)	7.8	14	4.2	412
	23'2" x 13'2" (706 x 401 cm)	275.4 ft <sup>2</sup> (25.59 m <sup>2</sup> )	7234 lbs (3281 kg)	8.2	14	4.6	449
	25'8" x 11'11" (782 x 363 cm)	281.2 ft <sup>2</sup> (26.12 m <sup>2</sup> )	7541 lbs (3421 kg)	8.2	14	4.6	449
	18'2" x 16'11" (554 x 516 cm)	281.7 ft <sup>2</sup> (26.17 m <sup>2</sup> )	7148 lbs (3242 kg)	9.0	14	5.4	449
	21'11" x 14'5" (668 x 439 cm)	288.6 ft <sup>2</sup> (26.81 m <sup>2</sup> )	7789 lbs (3533 kg)	8.1	14	4.5	449
	24'5" x 13'2" (744 x 401 cm)	290.9 ft <sup>2</sup> (27.03 m <sup>2</sup> )	7734 lbs (3508 kg)	8.2	13	4.6	449
	20'8" x 15'8" (630 x 478 cm)	300 ft <sup>2</sup> (27.87 m <sup>2</sup> )	7908 lbs (3587 kg)	8.1	13	4.5	449
	18'2" x 18'2" (554 x 554 cm)	300.4 ft <sup>2</sup> (27.91 m <sup>2</sup> )	7546 lbs (3423 kg)	9.0	13	5.4	449
	23'2" x 14'5" (706 x 439 cm)	303.3 ft <sup>2</sup> (28.18 m <sup>2</sup> )	7686 lbs (3486 kg)	8.2	13	4.6	449
	16'11" x 19'5" (516 x 592 cm)	302 ft <sup>2</sup> (28.06 m <sup>2</sup> )	7588 lbs (3442 kg)	8.3	13	4.7	424
	25'8" x 13'2" (782 x 401 cm)	308.3 ft <sup>2</sup> (28.64 m <sup>2</sup> )	7953 lbs (3607 kg)	8.2	13	4.6	424
	21'11" x 15'8" (668 x 478 cm)	318.8 ft <sup>2</sup> (29.62 m <sup>2</sup> )	8166 lbs (3704 kg)	9.1	13	5.5	424
	24'5" x 14'5" (744 x 439 cm)	320.3 ft <sup>2</sup> (29.76 m <sup>2</sup> )	8165 lbs (3704 kg)	8.2	12	4.6	424
	18'2" x 19'5" (554 x 592 cm)	322.1 ft <sup>2</sup> (29.92 m <sup>2</sup> )	7799 lbs (3538 kg)	9.9	15	5.4	449
	20'8" x 16'11" (630 x 516 cm)	325 ft <sup>2</sup> (30.19 m <sup>2</sup> )	8376 lbs (3799 kg)	9.6	12	6.0	449
	23'2" x 15'8" (706 x 478 cm)	335 ft <sup>2</sup> (31.12 m <sup>2</sup> )	8424 lbs (3821 kg)	11.4	12	6.9	449
	25'8" x 14'5" (782 x 439 cm)	339.6 ft <sup>2</sup> (31.55 m <sup>2</sup> )	8502 lbs (3856 kg)	9.6	11	5.1	449
	21'11" x 16'11" (668 x 516 cm)	345.3 ft <sup>2</sup> (32.08 m <sup>2</sup> )	8688 lbs (3941 kg)	10.5	14	6.0	516
	20'8" x 18'2" (630 x 554 cm)	346.7 ft <sup>2</sup> (32.21 m <sup>2</sup> )	8794 lbs (3989 kg)	10.5	14	6.0	516
	19'5" x 19'5" (592 x 592 cm)	351.5 ft <sup>2</sup> (32.66 m <sup>2</sup> )	8847 lbs (4013 kg)	10.5	14	6.0	516
	24'5" x 15'8" (744 x 478 cm)	353.8 ft <sup>2</sup> (32.87 m <sup>2</sup> )	8694 lbs (3944 kg)	11.4	14	6.9	516



## Application Information

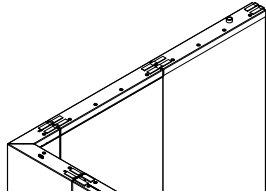
Recommended Group Size	Outside Dimensions	Interior Floor Area	Approximate Weight w/o Floor	Fan Ventilated Rooms		HVAC Connected Rooms	
				Total Room Current Draw + (Amps)	Air Exchanges per Hour ★	Total Room Current Draw + (Amps)	Required Total Supply Air Flow ✓ (CFM)
Ensembles of 16-18 Musicians	23'2" x 16'11" (706 x 516 cm)	362.9 ft <sup>2</sup> (33.71 m <sup>2</sup> )	9169 lbs (4159 kg)	11.4	13	6.9	516
	21'11" x 18'2" (668 x 554 cm)	368.3 ft <sup>2</sup> (34.22 m <sup>2</sup> )	9066 lbs (4112 kg)	10.5	13	6.0	516
	20'8" x 19'5" (630 x 592 cm)	371.7 ft <sup>2</sup> (34.53 m <sup>2</sup> )	9253 lbs (4197 kg)	10.5	13	6.0	558
	25'8" x 15'8" (782 x 478 cm)	375 ft <sup>2</sup> (34.84 m <sup>2</sup> )	8965 lbs (4066 kg)	11.4	13	6.9	558
	24'5" x 16'11" (744 x 516 cm)	383.2 ft <sup>2</sup> (35.60 m <sup>2</sup> )	9169 lbs (4159 kg)	11.4	13	6.9	558
	23'2" x 18'2" (706 x 554 cm)	387.1 ft <sup>2</sup> (35.96 m <sup>2</sup> )	9278 lbs (4208 kg)	11.4	12	6.9	580
	21'11" x 19'5" (668 x 592 cm)	394.9 ft <sup>2</sup> (36.69 m <sup>2</sup> )	9579 lbs (3445 kg)	12.4	15	7.0	580
Ensembles of 19-20 Musicians	25'8" x 16'11" (782 x 516 cm)	406.2 ft <sup>2</sup> (37.74 m <sup>2</sup> )	9410 lbs (4268 kg)	12.3	14	6.9	610
	24'5" x 18'2" (744 x 554 cm)	408.8 ft <sup>2</sup> (37.98 m <sup>2</sup> )	9570 lbs (4341 kg)	12.3	14	6.9	610
	23'2" x 19'5" (706 x 592 cm)	415.1 ft <sup>2</sup> (38.56 m <sup>2</sup> )	9730 lbs (4413 kg)	12.3	14	6.9	610
	25'8" x 18'2" (782 x 554 cm)	433.3 ft <sup>2</sup> (40.25 m <sup>2</sup> )	9897 lbs (4489 kg)	12.3	13	6.9	650
	24'5" x 19'5" (744 x 592 cm)	438.2 ft <sup>2</sup> (40.71 m <sup>2</sup> )	10083 lbs (4574 kg)	12.3	13	6.9	650
	25'8" x 19'5" (782 x 592 cm)	464.6 ft <sup>2</sup> (43.16 m <sup>2</sup> )	10339 lbs (4690 kg)	12.3	12	6.9	650

All values are for standard height rooms, 7'6" (229 cm).

Indicates room sizes that cannot accommodate practice rooms with VAE technology.

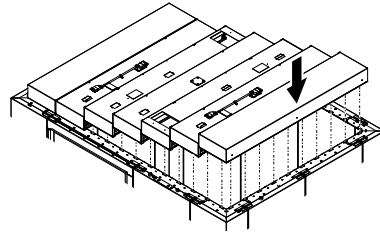
- + Includes lights, fans (if applicable). For virtual acoustics add 1-amp if applicable. Each power panel is to have its own dedicated 20 amp circuit. All rooms have one power panel. Larger rooms may have one additional power panel. Extra communications panel included in larger rooms:
  - One included in rooms larger than 125 ft<sup>2</sup> (11.6 m<sup>2</sup>).
  - Two included in rooms larger than 250 ft<sup>2</sup> (23.2 m<sup>2</sup>).
  - Three included in rooms larger than 375 ft<sup>2</sup> (34.8 m<sup>2</sup>).
- ★ Integral fan panel and vent panel pairs provide approximately 120 CFM airflow, each. Supply air is drawn at ambient conditions from the exterior of the room at ceiling level. Larger rooms will have more than one fan/vent pair.
- ✓ Air flow requirement based on occupancy, room volume and electrical heat load. Cooling airflow to be 55°F (13°C). Room exterior ambient to be maintained at 75°F (24°C). In larger rooms, airflow will be divided between multiple supply and exhaust pairs. Pressure drop per supply/exhaust pair: 0.30"WG at 120CFM maximum. For additional electrical devices, add 15 CFM for each 100 watts of power dissipated in the room. Individual room thermostatic control is recommended.

## Application Information



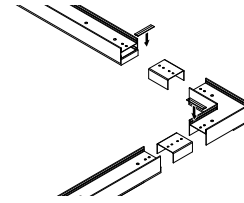
### Wall Panels

4" (10 cm) thick by 30" (76 cm) wide, and filled with sound-absorbing material. Interior surfaces are perforated or sound-reflecting.



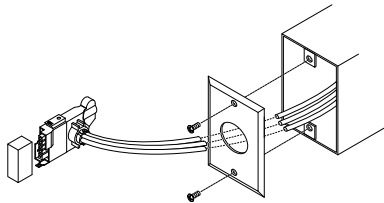
### Ceiling Panels

6" (15 cm) thick by 15" (381 mm) wide in modular lengths. Panels are shipped with light fixtures attached and wired. Sprinkler system knock-out holes standard in all rooms.



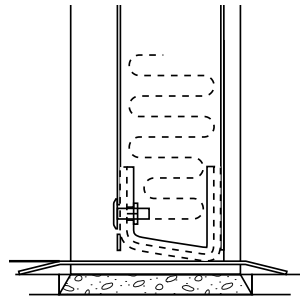
### Adjustable Wall Frame

4<sup>1</sup>/<sub>2</sub>" by 3<sup>5</sup>/<sub>8</sub>" (114 by 92 mm) in modular lengths. A 1<sup>1</sup>/<sub>4</sub>" (32 mm) thick neoprene pad isolates the module from the floor, thereby reducing sound transmission through the building structure. Frame allows for up to 3/4" (19 mm) adjustment for uneven floors.



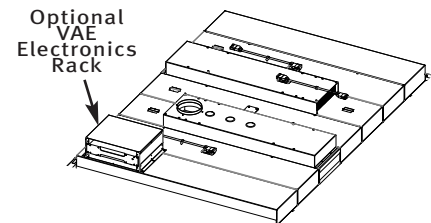
### 20-amp Electrical Service

The rooms are designed with an integrated UL® classified electrical wiring system. Distribution connector supplied by Wenger. Connector to be installed by a certified electrician.



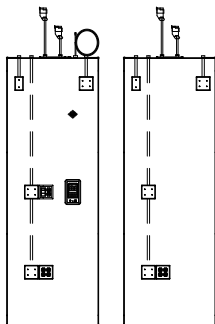
### Adjustable Sweep Seal

Located at the door base to provide a positive sound barrier. Low profile threshold 1/2" (13 mm) allows easy access. Double gasket (compression and magnetic) at head and side jambs.



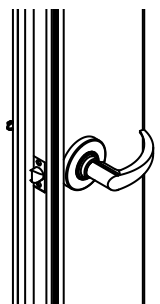
### Built-in Fans

Accessible from inside practice rooms through a removable panel cover for cleaning or replacement.



### Power Panel and Communications Panel

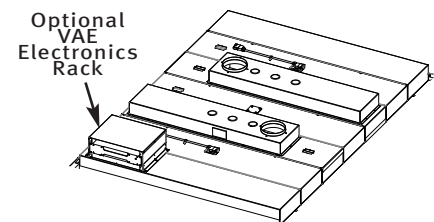
The power panel can be configured to include outlets, VAE Technology controls, controls for lights and fans. **Optional Communications Panel available.** Contact Wenger for details.



### Classroom-Function Door Lever Set

Additional door lever sets are available, contact Wenger for detailed lever set information.

Or

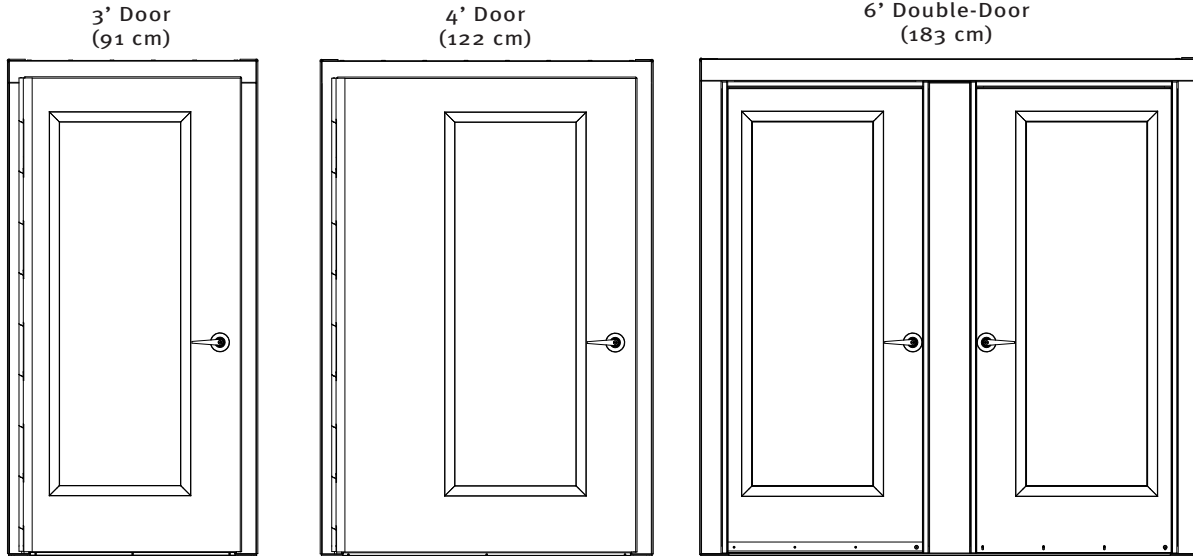


### HVAC Direct connection

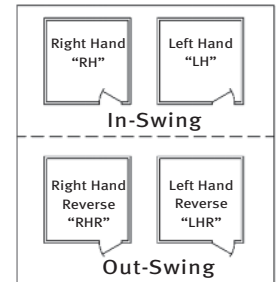
Acoustically isolated HVAC connections.

## Application Information

### Doors

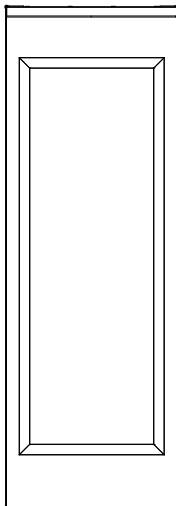


### Door Swing Options

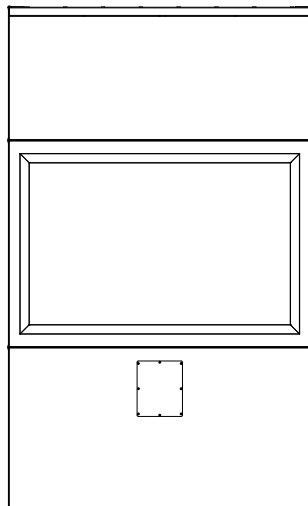


### Windows

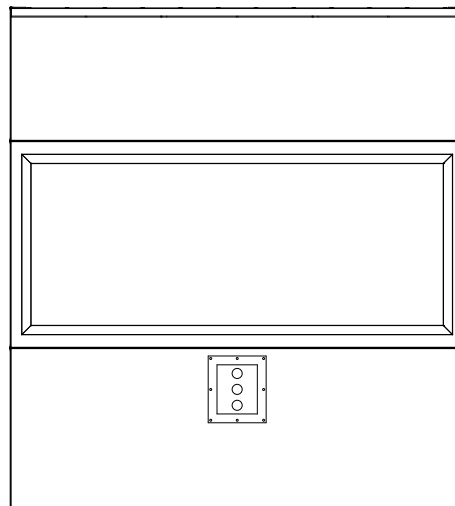
30" Vertical Window (76 cm)



60" Horizontal Window (152 cm)



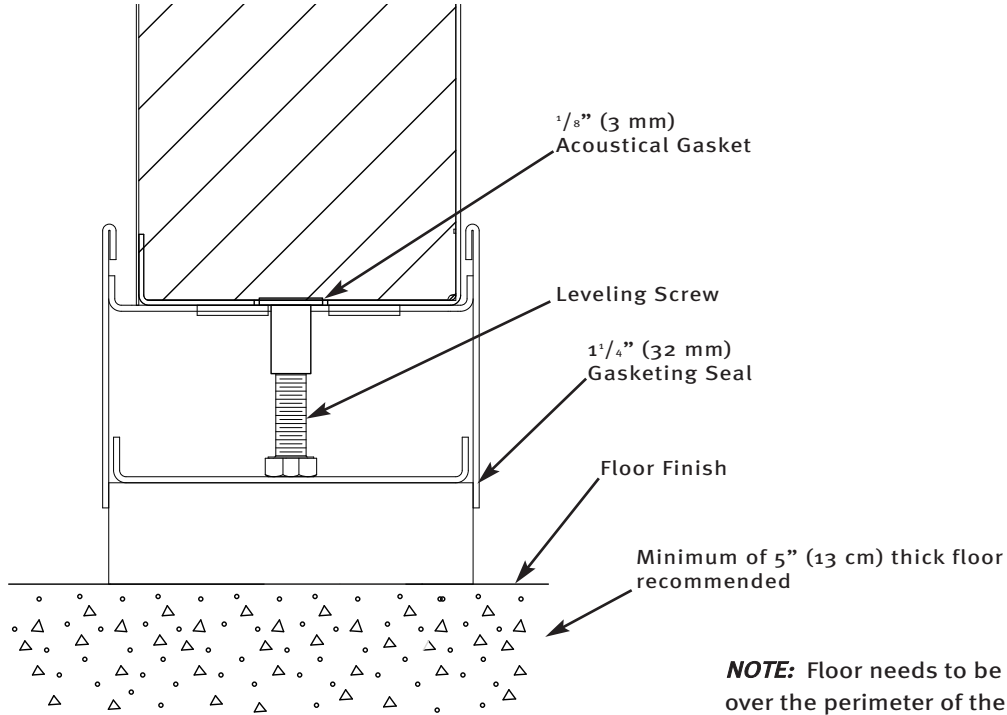
90" Horizontal Window (229 cm)



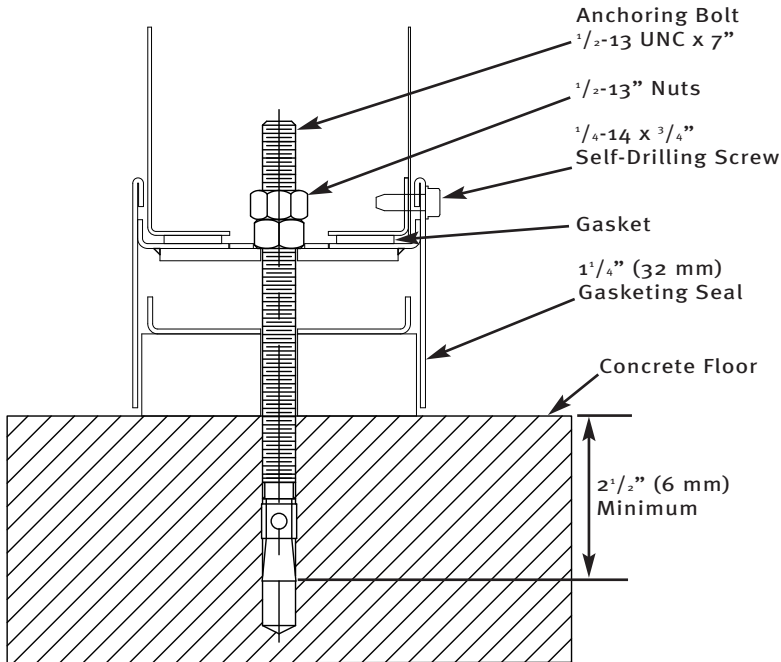
**NOTE:** Cable raceways are available in an offset or straight feed through for back-to-back installations.

## Application Information

Typical wall cross section of module on existing floor finished by others

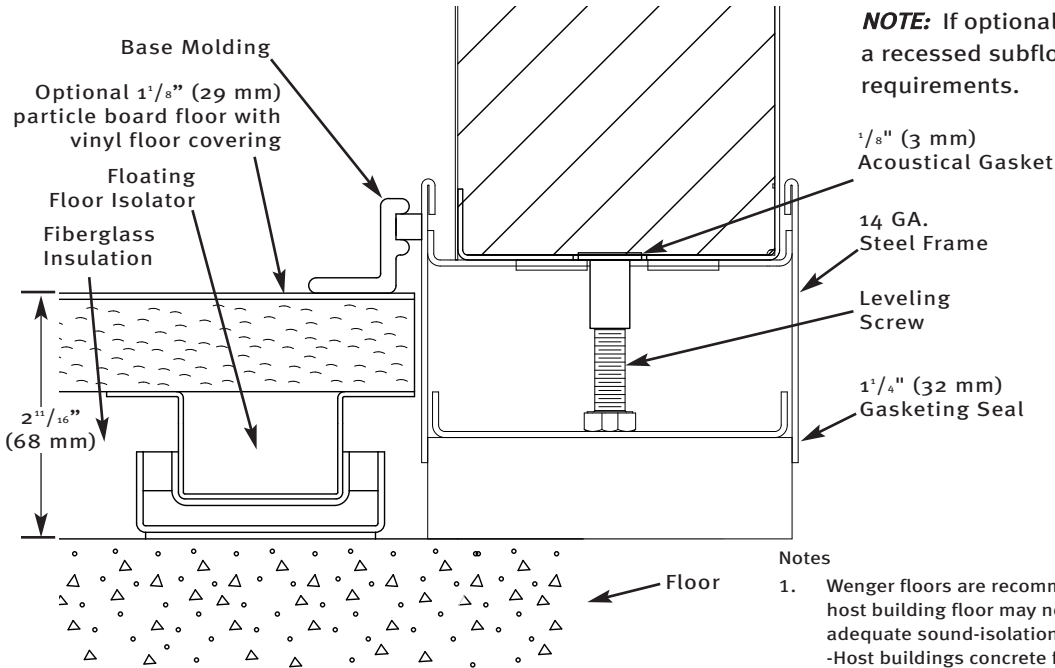


Typical wall cross section of seismic floor anchoring



## Application information

### Typical wall cross section of optional floating floor

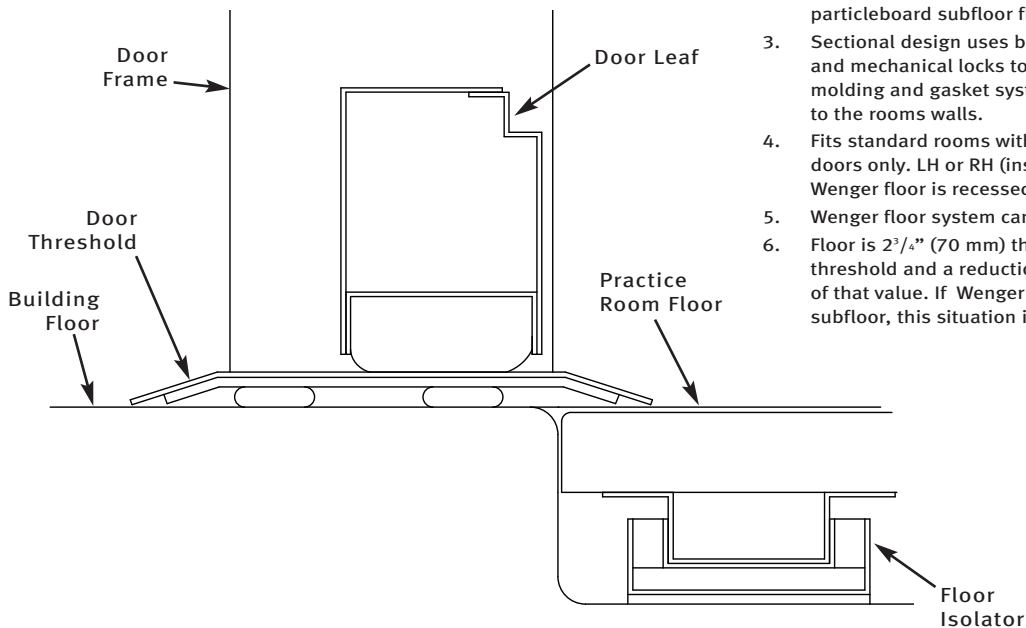


**NOTE:** If optional Wenger floor is required, a recessed subfloor is required to meet ADA requirements.

#### Notes

1. Wenger floors are recommended for installations where the host building floor may not provide adequate sound-isolation:
  - Host buildings concrete floor is less than 5" (127 mm) thick
  - Above grade installations
  - Low mass flooring systems
  - Applications desiring additional sound-reduction through the floor.
2. Floor system consists of vinyl flooring over 1 1/8" (29 mm) particleboard subfloor floating on resilient insulators.
3. Sectional design uses both interlocking supports and mechanical locks to create a monolithic subfloor. A base molding and gasket system seals the floor to the rooms walls.
4. Fits standard rooms with RHR or LHR (outswing) doors only. LH or RH (inswing) doors can be used only if Wenger floor is recessed into host building subfloor.
5. Wenger floor system can often be added later if desired.
6. Floor is 2 3/4" (70 mm) thick creating a step up at the door threshold and a reduction of ceiling clearance of that value. If Wenger floor is recessed into host buildings subfloor, this situation is eliminated.

### Typical wall cross section of recessed floor



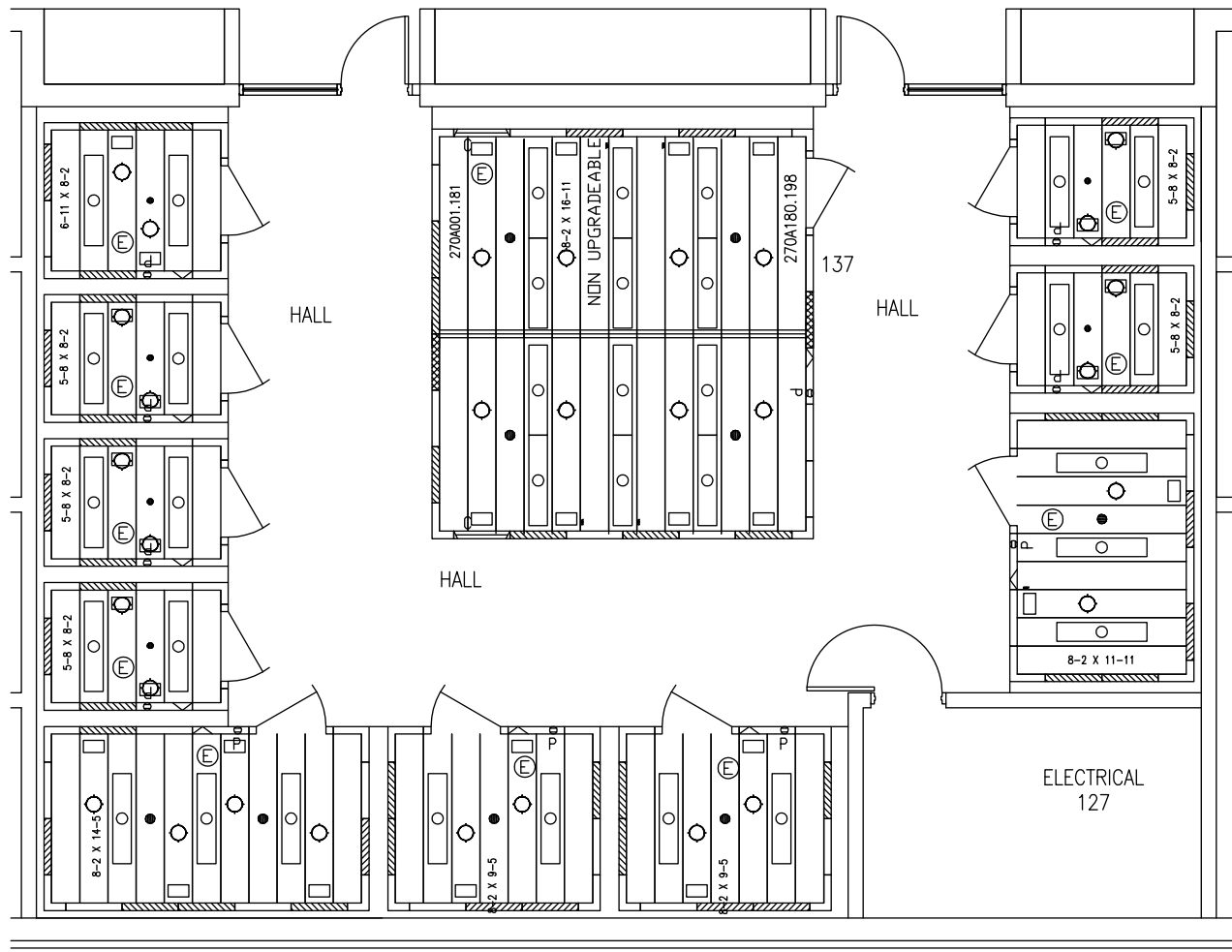
Contact Wenger for more information on optional floor applications.

**NOTE:** Optional Wenger recessed subfloor may be required to meet ADA requirements.

## Typical Drawings

### Practice Area Layout

- Wenger practice rooms can be configured in a number of sizes.
- Most musicians practice alone, so there should be a number of smaller practice rooms.
- There should also be a variety of practice rooms sized for pianos, small groups, and ensembles.
- The central hallway should be large enough to let musicians carrying instruments easily pass each other and also accommodate larger instruments like a piano or timpani.
- 1'-0" (30 cm) is recommended between rooms to achieve acoustical isolation ratings.



Sample practice area layout.

#### Key

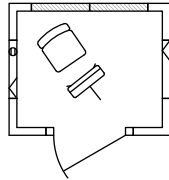
- |  |                              |  |   |  |  |
|--|------------------------------|--|---|--|--|
|  | = Corner Panels (Perforated) |  | = 30" Power Panel                                       |  | = Ceiling Air Intake/Exhaust Panel                         |
|  | = 30" Beam Support Panel     |  | = 30" Communications Panel                              |  | = Ceiling Air Intake/Exhaust Panel with Sprinkler Knockout |
|  | = 30" Perforated Wall Panel  |  | = Door  |  | = Ceiling with Light                                       |
|  | = 30" Solid Wall Panel       |  | = 115V-20 amp House Service (to be installed by others) |  | = Ceiling Air Panel with Sprinkler Knockout                |

## Typical Drawings

### Practice Area Layout

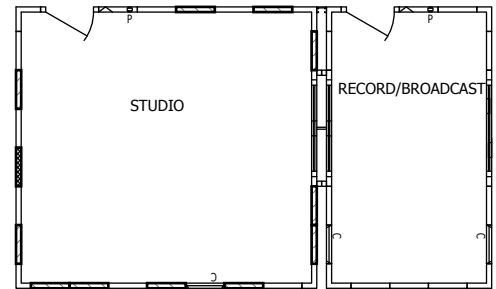
#### Individual Practice

Outside dimensions  
6'11" x 5'8" (211 x 173 cm)



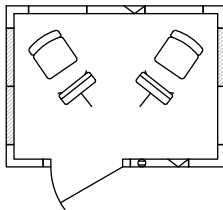
#### Recording/Broadcast

Outside dimensions  
18'2" x 30'8½" (554 x 936 cm)



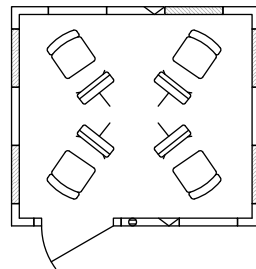
#### 1-2 Students

Outside dimensions  
6'11" x 9'5" (211 x 113 cm)



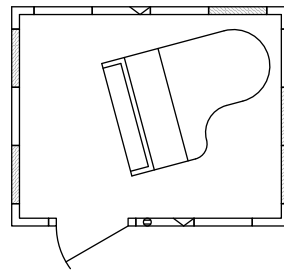
#### Upright Piano or 3-4 Students

Outside dimensions  
9'5" x 10'8" (113 x 325 cm)



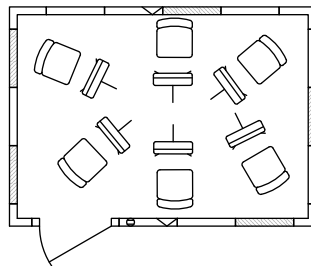
#### Grand Piano or 5-6 Students

Outside dimensions  
9'5" x 11'11" (113 x 363 cm)





#### Grand Piano or 5-6 Students


Outside dimensions  
9'5" x 13'2" (113 x 401 cm)



#### Key

 = Chair

 = Stand

 = Piano

# VIRTUAL ACOUSTICAL ENVIRONMENTS™ (VAE)

Virtual Acoustical  
Environments™ (VAE)



**Wenger®**  
Your Performance Partner



# VIRTUAL ACOUSTICAL ENVIRONMENTS™ (VAE)

## VIRTUAL ACOUSTICAL ENVIRONMENTS

Practice, practice, practice. You can say it with dread or – after a single session inside a practice room with VAE technology – you can say it with passion. It's true. The sound in the room is so stunning that it is inspiring people to practice like never before.

And what could be better than practicing in a variety of performance environments? That's what you can do with the preset acoustical simulations. And when you want to switch to a different acoustical setting, just push a button. A Wenger practice room with VAE technology accelerates the development of critical skills such as articulation, phrasing, intonation, and tone production.

Wenger practice rooms with VAE technology provide real-time recording and playback of 9 sessions for one hour of total length. An optional foot switch gives you hands-free control, anywhere in the room. You can also upload or download recorded programs through a USB connection.

And Wenger practice rooms with VAE technology provide exceptional sound isolation in a classic, sophisticated design that's also modular, so you can take it with you, whether you move to another room or building.

### VAE TECHNOLOGY FOR ACOUSTICAL SIMULATIONS.

- Nine virtual acoustical simulations.
- Simple push-button operation with recording/playback control.
- Includes eight speakers, two microphones, control panel, left and right channel processing components, and cables.

## PRODUCT DETAILS

- State-of-the-art acoustical simulation package is prewired into rooms that are modular and relocatable.
- While our practice rooms deliver superior sound isolation, these are specially equipped with preset acoustical simulations:
  - Practice Room
  - Baroque
  - Small Auditorium
  - Large Auditorium
  - Large Recital Hall
  - Arena
  - Cathedral
  - Medium Auditorium
  - Medium Recital Hall
- Recording/Playback capabilities.
- Five-year warranty.

Imagine practicing in a recital hall one minute, a concert hall the next. That's the advantage of Wenger SoundLok Sound-Isolation Rooms with VAE technology.

Capable of record and playback of 9 sessions for one hour of total length.



Presets for 9 distinct virtual acoustic environments.

Foot control connection for hands-free operation.

USB connection for uploading and downloading recorded programs.

Mini stereo output jack for real-time recording.

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
Owatonna, MN 55060-0448  
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Fax 507.455.4258  
Parts & Service 800.887.7145

**WENGER CORPORATION**  
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Phone 800.268.0148

**WORLDWIDE**  
Phone 1.507.455.4100  
Fax 1.507.774.8576

**WEB SITE**  
wengercorp.com

**Wenger®**  
Your Performance Partner

## Application Information

### GENERAL INFORMATION

- A sound-isolation practice room equipped with patented digital signal processing that allows musicians to hear themselves in a variety of acoustical environments.
- Traditional dry practice room (system off) with 9 preset acoustical environments: Practice Room, Arena, Baroque Hall, Cathedral, Small Auditorium, Medium Auditorium, Large Auditorium, Medium Recital Hall, and Large Recital Hall.
- Accelerates development of articulation, intonation, and control in a variety of environments from very “dry” to very “live”.
- Effective teaching/coaching studio to train students in the relationship between the acoustical environment and instrumental and choral technique.
- Control panel: one 18-button control panel. Nine acoustical environments, volume up and down, system mute (OFF), stop, record, play, rewind, fast forward and select. UL® Listed.
- Does not require any technical expertise to operate the room — as easy as operating a TV remote control.

### GENERAL SPECIFICATIONS

- Dimensions: VAE is available in several sized rooms ranging from 5'8" x 5'8" to 18'2" x 19'5" (173 x 173 cm to 554 x 592 cm).
- Interior ceiling height ranges from 7'6" (229 cm) to 10'0" (305 cm) in 6" (15 cm) increments.
- Weight: 2,200 lbs. to 4,150 lbs. (998 to 1882 kg.) depending upon room size.
- UL®-Classified room wiring system.
- Surfaces: powder-coat painted. Color chosen from manufacturer's standard colors.
- Lighting: florescent lighting with electronic ballast.
- Sound isolation: NIC = 41 Hallway to room.  
NIC = 63 Room to room.
- Sound isolation door: STC = 46, with a full window.
- Internal fan ventilation system: NC 25.
- Direct connection HVAC (optional): acoustically isolated HVAC connections of STC 45.
- Wall and ceiling panels UL® Class 1 classification for flame spread and smoke developed.

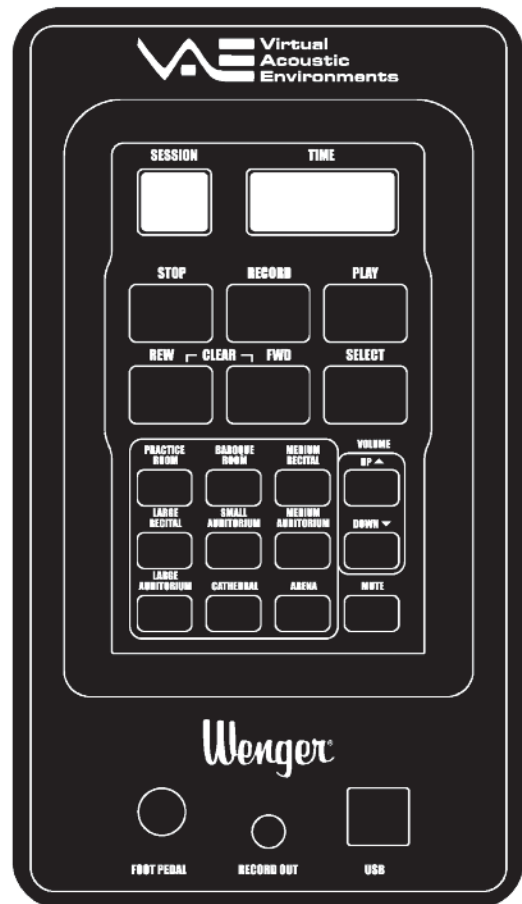
### CONTROL SYSTEM

- Lighting, room ventilation fans and master power for active acoustical system each individually controlled by an on/off toggle switch. UL® Classified, CSA-approved.
- Optional occupancy sensor lighting control.

### PRACTICE ROOMS WITH VAE TECHNOLOGY ELECTRONICS

- Power consumption (steady state).  
Nominal 500mA @ 120V, 60Hz.  
Maximum surge at turn on: 20A @ 2 msec  
(time to steady state: 10 msec).

Complete system details are available in the product specification. Contact Wenger for more information.



# ACOUSTICAL DOORS



Acoustical Doors



# ACOUSTICAL DOORS

Cutting-edge acoustical doors designed for high-performance sound isolation.



## PRE-ENGINEERED ACOUSTICAL DOORS

You've probably heard stories of ill-fitting doors and big installation issues, and many of these stories end with anything but great sound isolation.

A small gap or imperfection in an acoustical door becomes a large problem. The Wenger Acoustical Door is pre-engineered for consistent, high-integrity performance. And the split-frame design, composed of 14-gauge rigid frame steel construction, ensures proper installation and dependable performance.

We think you'll also appreciate the fact that Wenger door installations are very clean. Wenger pre-engineering makes all the difference when you're on site and everyone expects a perfect ending without a lot of mess.

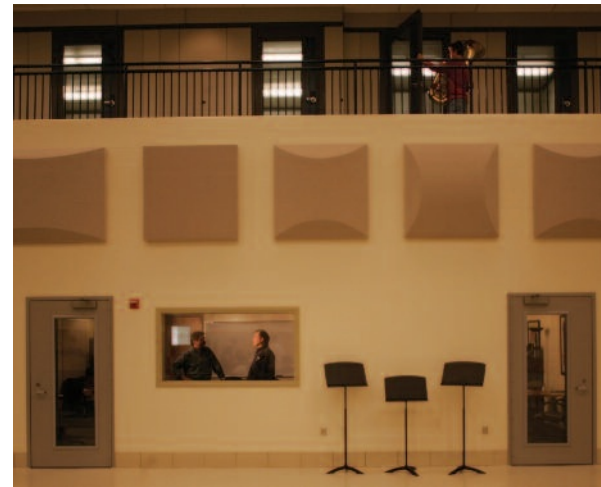


Solid

Accent Window

Full Window

Double door with full windows



## PRODUCT DETAILS

- Many models available with a 1-hour UL fire rating.
- Continuous cam-lift hinge improves sound isolation and eliminates pinch points.
- Easy-to-install foam sound-absorption strips.
- Durable, maintenance-free for up to 100,000 cycles.
- Superior Teflon-coated sweep-seal meets stainless steel sill plate.
- Frame secures firmly to wall with special shim tool.
- Standard mortise pocket for easy leverset installation.
- Door widths: 3' (91cm), 3'<sup>1</sup>/<sub>2</sub>' (107cm), 4' (122cm) and 6' (1.8m) double door.
- Installs in wall thicknesses 4'<sup>1</sup>/<sub>2</sub>" (11cm) to 12'<sup>1</sup>/<sub>2</sub>" (32cm).
- Available in primer gray for on-site finishing by contractor.
- Five-year warranty.



### ADVANCED SPLIT-FRAME DESIGN

accommodates virtually any wall thickness – so you don't have to worry about the kind of installation compromises that can ruin sound isolation.

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
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wengercorp.com

**Wenger**<sup>®</sup>  
Your Performance Partner

# ACOUSTICAL DOORS

## Application Information

### GENERAL INFORMATION

- Sound isolation doors for recording, broadcast, music practice and rehearsal rooms. Acoustic Performance: STC 48 - 54.
- Integrated sound-isolation door and frame. Door leaf constructed of 12-gauge and 14-gauge steel skins. Door frame constructed of 14-gauge steel.
- Four-sided frame provides a reliable (square, plumb and in plane) installation in many types of wall construction from 4<sup>1</sup>/<sub>2</sub>" to 12<sup>1</sup>/<sub>2</sub>" (137 to 381 cm) thick. Split-frames are manufactured to interlock on site for a precise and secure fit.
- High quality seals and continuous cam-lift hinges provide long life with minimum adjustments (typically once every five years or 100,000 cycles).
- Stainless steel sill plate included. Integrated frame support for sill plate.
- Vision lite windows constructed of 1/4" and 3/8" (6.35 and 9.5 mm) laminated safety glass on opposite sides to prevent resonance.
- Mortise pocket (ANSI 115.1) is standard for lever set integration. Mortise and strike pocket covers included for non-latching applications.
- Standard powder painted gray primer for better on site finish and painting with less touch up required.
- Backed by a comprehensive five-year warranty.
- Patented design.

### INSTALLATION REQUIREMENTS

- Installation is not provided by Wenger, but should be done in accordance with approved shop drawings and manufacturer's printed installation instructions.
- All frame installations must be plumb and square to insure proper acoustical performance.
- Acoustical caulk is necessary for maximum sound-insulation efficiency of the door assembly except for sealing around the lockset, handle and other door-mounted hardware.
- Door frame is designed to be installed at finished floor level.
- Rough opening to be provided to Wenger specifications.
- Contact your Wenger representative for door hardware option details.

### PERFORMANCE MEASUREMENTS

Sound Transmission Class (measured in accordance with ASTM E90 - 97 and ASTM E413 - 87):

Transmission Loss (dB) by octave band (measured in accordance with ASTM E90 - 97 and ASTM E413 - 87):

	Fire Rating	Nominal Width (feet)	Door Type	STC	Transmission Loss (dB)					
					125	250	500	1000	2000	4000
Acoustical Performance	Not Rated	3	3070 Solid Door	50	34	43	50	53	54	54
		3	3070 w/100 sq. in. window	50	34	43	50	54	54	54
		3	3070 w/1296 sq. in. window	51	35	44	51	54	55	55
		3.5	3570 Solid Door	52	36	45	52	55	56	56
		3.5	3570 w/100 sq. in. window	52	36	45	52	55	56	56
		3.5	3570 w/1296 sq. in. window	52	36	45	52	55	56	56
		4	4070 Solid Door	53	37	46	53	56	57	57
		4	4070 w/100 sq. in. window	54	38	47	54	57	58	58
		4	4070 w/1296 sq. in. window	53	37	46	53	56	57	57
		6	6070 Solid Doors	Not Tested						
		6	6070 w/100 sq. in. windows	Not Tested						
		6	6070 w/1296 sq. in. windows	51	28	43	51	53	53	56
1-Hour Rated	3	3070 Solid Door	49	38	42	47	48	53	52	
	3	3070 w/100 sq. in. window	48	35	41	47	48	52	53	
	3.5	3570 Solid Door	Not Tested							
	3.5	3570 w/100 sq. in. window	Not Tested							
	4	4070 Solid Door	Not Tested							
	4	4070 w/100 sq. in. window	Not Tested							
	6	6070 Solid Doors	Not Tested							
6	6070 w/100 sq. in. windows	Not Tested								

## Application Information

### OPTIONS

- Four door size options:
  - 3070 - 3' (91.5 cm) - standard door width for most applications.
  - 3570 - 3<sup>1</sup>/<sub>2</sub>' (106.7 cm) - large door width to accommodate larger equipment and instruments.
  - 4070 - 4' (122 cm) - largest door size to accommodate large equipment and instruments such as timpani drums.
  - 6070 - 6' (183 cm) - 2'-3' (61-91.5 cm) doors with removable mullion to accommodate large equipment and instruments such as grand pianos.
- See chart on previous page for fire rating availability.
- Three door style options (in each of the three door widths):
  - No window - applications not requiring any sight lines
  - Narrow window 100 in<sup>2</sup> (645 cm<sup>2</sup>)— 3" x 33" (8 x 84 cm) when minimal visual monitoring is required.
  - Large vision lite 1296 in<sup>2</sup> (8361 cm<sup>2</sup>)— 20" x 64" (51 x 163 cm) for maximum sight lines (non fire rated only).
- Four door swing options:
  - Right hand (RH)
  - Right hand reverse (RHR)
  - Left hand (LH)
  - Left hand reverse (LHR).

### DOOR FRAME

- Split frame design in four sizes to allow wall thickness of 4<sup>1</sup>/<sub>2</sub>" to 12<sup>1</sup>/<sub>2</sub>" (11.4 cm to 32 cm).
- Frame constructed of 14-gauge steel.
- Integrated dual magnetic or compression gaskets (compression gaskets used in fire rated doors).
- Acoustical absorptive material is provided between the frame and the magnetic gasket mountings on non-fire rated doors.
- Integral 3" (7.6 cm) doorstop on the hinge side and 2<sup>1</sup>/<sub>2</sub>" (6.3 cm) doorstops on latch and top of frame.
- Integrated support for sill plate included in the frame.
- Ramped 1<sup>1</sup>/<sub>2</sub>" (12.7 mm) metal threshold 16 gauge 304 stainless steel.
- Shims for door leaf adjustment provided with door.
- Door frame includes integrated strike pocket.

### DOOR LEAF

- 2<sup>1</sup>/<sub>2</sub>" (6.3 cm) thick made of 14-gauge on one face and 12-gauge steel on the opposite face.
- Internal section of door filled with sound absorbing material.
- Steel faces crimped together around a neoprene gasket to minimize acoustical coupling between the surfaces and acoustically seal the faces together.
- Internal door face stiffening provided for each face independently.
- Adjustable sweep seal made of fiberglass reinforced Teflon over a contoured steel channel.
- Continuous cam lift hinge integrated into the door leaf assembly (patented).
- Factory mortised, reinforced and fitted for heavy duty locksets (lever set hardware requires offset for handle hardware of 7<sup>7</sup>/<sub>8</sub>" (22 mm) on the push side and 1<sup>5</sup>/<sub>8</sub>" (4 cm) on the pull side).
- Internal door reinforcement provided for door closers (supplied by others).
- Underwriter's Laboratory (UL) label if required supplied with 1 hour UL fire rated doors.

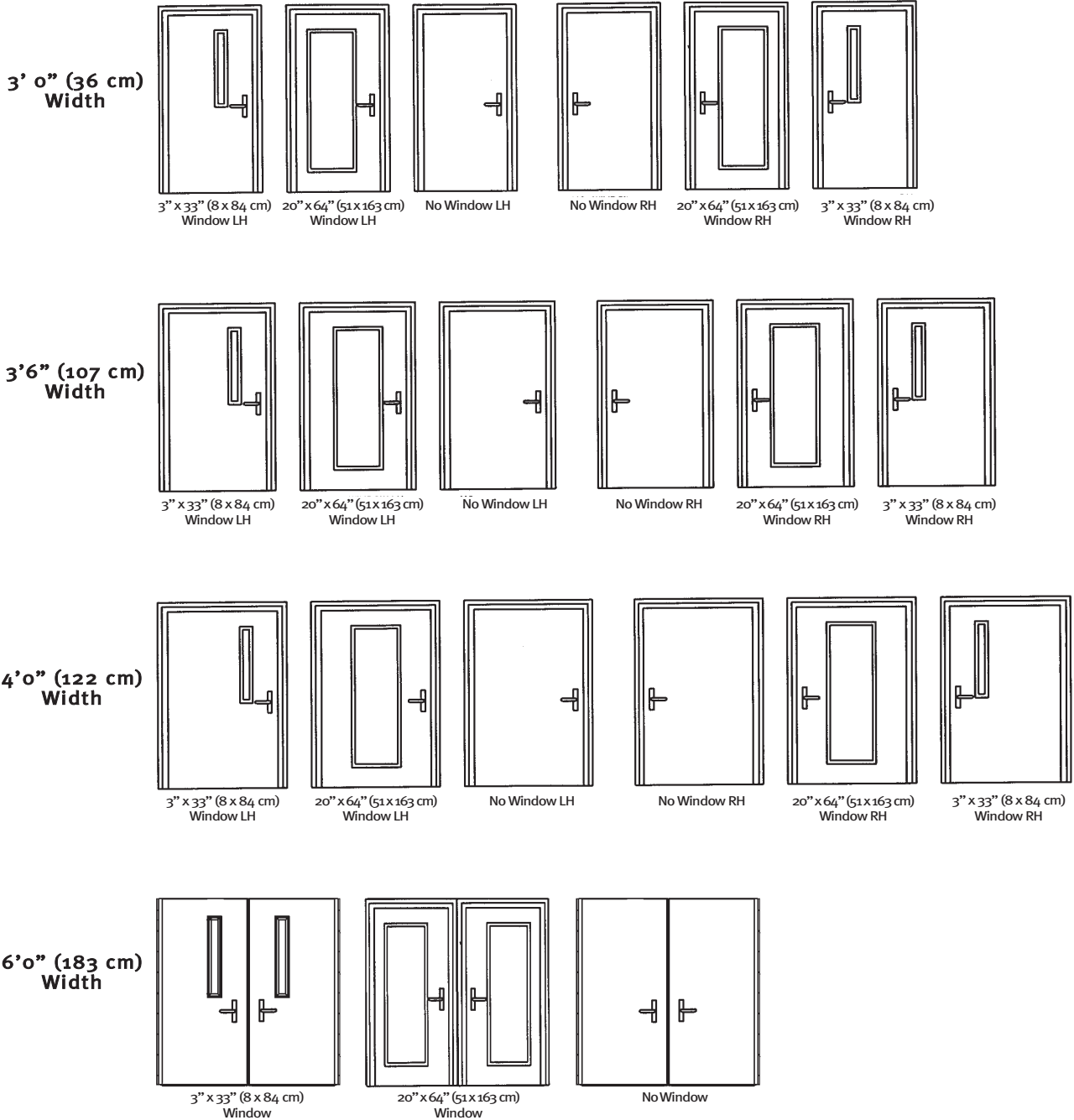
### VISION LITES

- Factory assembled and installed lites in doors using 3<sup>3</sup>/<sub>8</sub>" (9.5 mm) safety glass on one surface and 1<sup>1</sup>/<sub>4</sub>" (6.3 mm) safety glass on the opposite surface separated by a 2<sup>3</sup>/<sub>4</sub>" (7 cm) air space.
- Absorptive material provided behind perforated metal separators between the glass panes.
- Fabricated dual-glazed lites are individually removable.
- Two sizes available; 100 in<sup>2</sup> (645 cm<sup>2</sup>) and 1296 in<sup>2</sup> (8361 cm<sup>2</sup>).

# ACOUSTICAL DOORS

## Application Information

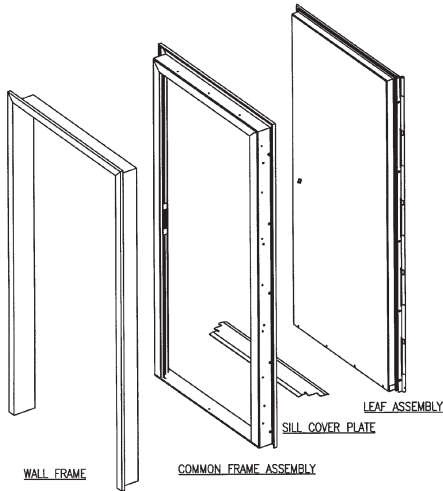
### ACOUSTICAL DOOR SIZES AND STYLES



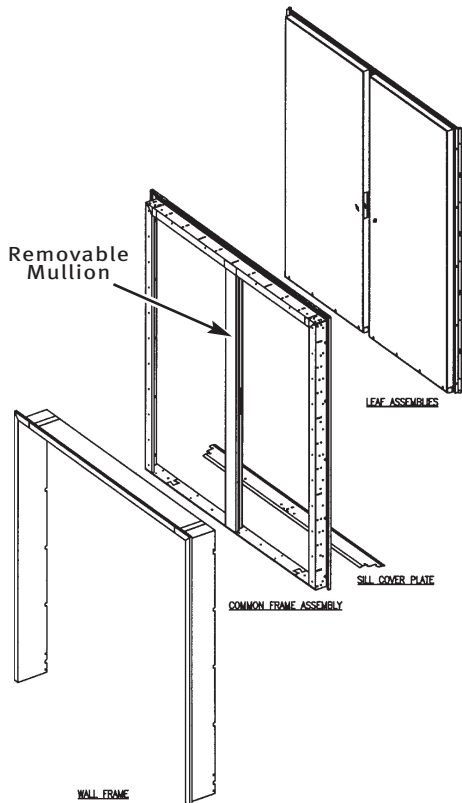
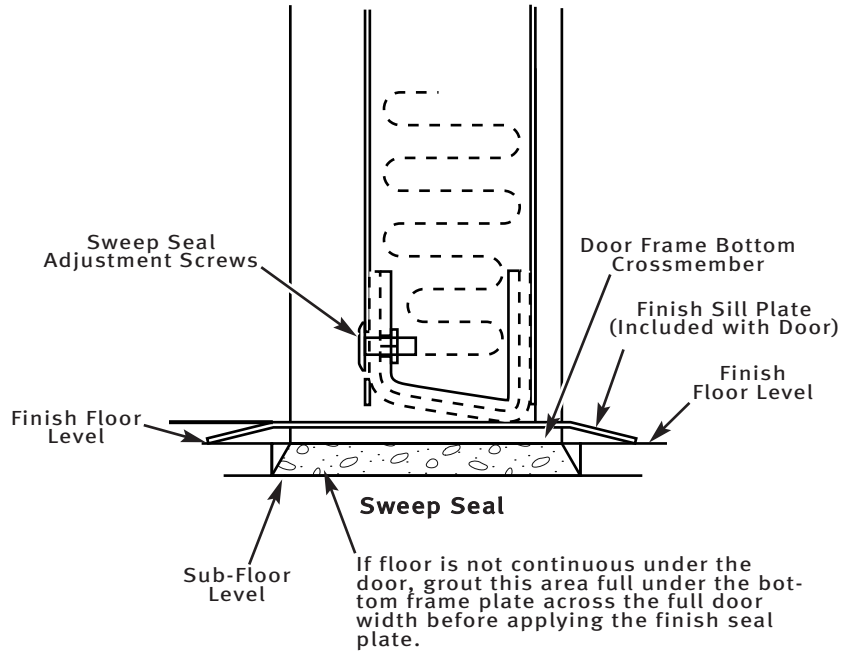
**NOTE:** 20" x 64" (51 x 163 cm) windows are only available in non-fire rated versions only.

# ACOUSTICAL DOORS

## Typical Drawings



Frame and Leaf Assembly



Door Handling Diagram

**NOTE:** The above illustrations are typical and not project specific.

**NOTE:** Detailed approval drawings of each door size is available, contact Wenger Sales for more information.



# INTERACTIVE ACOUSTICAL PANELS



Interactive  
Acoustical Panels

# INTERACTIVE ACOUSTICAL PANELS



## ACOUSTICAL TREATMENTS FOR THE REHEARSAL ROOM

There's a lot you can do with a rehearsal room before you ever set foot in it. How you shape it, what you put on the floors and walls, where you gain cubic volume – these are the areas where Wenger focuses when helping clients create the perfect acoustical space for rehearsal. And if your room is already built and requires acoustical enhancement, then we are equally adept at making the most of your available space.

Rehearsals are not only where performances are formed, but performers too, and one of our great passions as a company is to make the rehearsal space the ideal acoustical environment. We design and manufacture our own highly advanced acoustical panels and we know how to use them to optimize the sound in your space. We can do a lot to make your rehearsal room something great – call us for a solution that you'll be hearing great things about for years and years.



### THE ART OF SHAPING SOUND

Wenger acoustical panels help you create the proper sound absorption and diffusion for your room to reduce loudness and produce the sound quality and ensemble you require. Five-year warranty on all acoustical panels.

Great performances begin in the rehearsal room. And Wenger acoustical panel systems get musicians off to a superior start.

### EACH PANEL TUNED TO A PARTICULAR ACOUSTICAL TASK

Wenger has engineered five unique technical designs, in dozens of sizes, shapes, and diffusion angles, to yield the broadest selection of acoustical panels in the industry.

#### ABSORBER PANELS

Suited for the widest range of environments, these Wenger absorber panels are designed to neutralize the reverberation and loudness of a room. Fabricated with sound-absorptive, fiberglass insulation, these flat panels are engineered to absorb sound across a broad frequency range for effective, balanced abatement.



#### TYPE I CONVEX DIFFUSER PANELS

Fabricated with a special composition of recyclable thermomolded plastic that scatters and blends sound, these panels diffuse middle- to high-range frequencies which define timbre and articulation. Polycylindrical Type I convex diffuser panels typically make the best remedy for flutter echoes, hot spots, and dead spots. Designed with fabric cover of your choice for wall mounts and without covering for ceiling mounts.



#### TYPE II CONVEX DIFFUSER PANELS

Significantly larger than Type I panels, Wenger Type II diffuser panels have the same polycylindrical shape. In addition to sound-diffusion qualities, Type II panels selectively absorb low-frequency sound.



#### QUADRATIC DIFFUSER PANELS

These special-application panels are engineered in accordance with quadratic number theory to provide the most effective diffusion in the 750 Hz to 3300 Hz range. Fabricated from recyclable thermomolded plastic, these 4' x 4' (122cm x 122cm) diffusers are designed as easy-to-apply ceiling in-lays.



#### PYRAMIDAL DIFFUSER PANELS

These impact-resistant ceiling and wall diffuser panels of recyclable thermomolded plastic feature an offset pyramid shape to treat specific acoustical applications. Ceiling-mounts in 4' x 4' (122cm x 122cm) and 2' x 2' (61cm x 61cm) sizes. Wall-mount in 4' x 4' (122cm x 122cm) only.

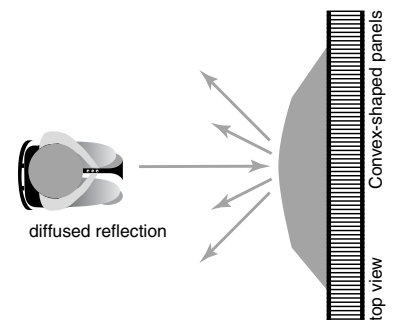
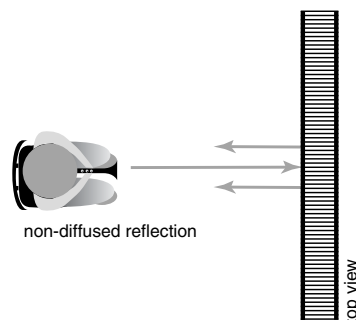
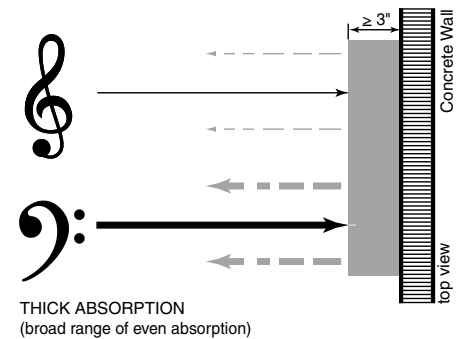
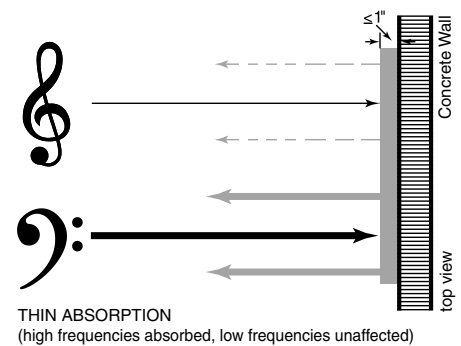
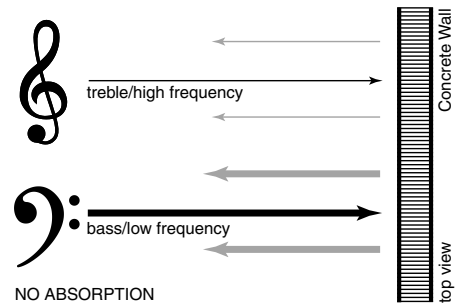


## Application Information

The information contained in this section is a starting point to help you incorporate Wenger Interactive Acoustical Panels into your design. But, because every environment and application requirement is unique, we need to work with you to make specific recommendations for your design. This is necessary to ensure that your final plan addresses the most common problem associated with music rooms: excessive loudness.

### Layout Recommendations

1. Room surfaces should not include any convex planes - flat surface preferred.
2. Ceiling heights of 18'–22' (5.5–6.7 m) for instrumental and 16'–20' (4.9–6.1 m) for choral rehearsal rooms are recommended.
3. Suspended ceiling with 1" (2.5 cm) glass fiber panels should be included for Instrumental Rooms (recommended NRC is 0.95).
4. Cubic room volumes of 550–700 cu. ft. per instrumentalist and 350–500 cu. ft. per vocalist is recommended.
5. For Choral Rehearsal Rooms, 0.95 NRC ceiling tile is recommended around the perimeter of the room only.
6. Instrument storage best located outside of rehearsal room.
7. Carpet is generally not recommended in the music rehearsal area because of its selective high frequency absorption.
8. Wenger will guarantee your room performance if the following four elements can be met:
  - Use of Wenger recommended ceiling material.
  - Adequate cubic room and volume as stated in #4.
  - Adequate space to mount panels.
  - Wenger can only guarantee room performance in spaces where our recommendations are followed.

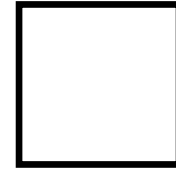


## Application Information

### Types of Panels

#### Wall Absorbers

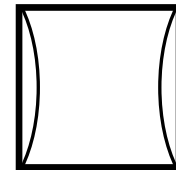
Fabric wrapped with reinforced edges. Intended to provide good absorption across broad range of frequencies. Mostly located on rear wall, rear one-third of side walls and corners.



Wall Absorber

#### Ceiling Absorbers

Same construction as wall absorbers. Can be suspended from ceiling, mounted in ceiling grid or attached directly to the ceiling surface. Used in rooms with a reflective ceiling.



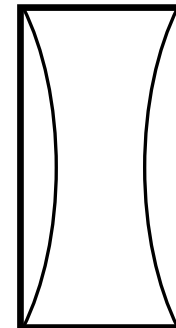
Type I Wall Diffuser

#### Wall Diffusers

Type I: Fabric wrapped molded from 4 up to 18 ft<sup>2</sup> (0.37 up to 1.67 m<sup>2</sup>) surface area.

Convex shape with faceted edges or offset pyramidal panels designed to blend sound of higher and mid - frequencies so as to eliminate “hot” or “dead” spots in a room. Primarily on front wall and front two-thirds of side walls.

Type II: Fabric wrapped panels with absorptive fiberglass backing have 18 to 32 ft<sup>2</sup> (1.67 to 2.97 m<sup>2</sup>) surface area. Designed to diffuse lower frequencies and absorb lower frequencies. Typically mounted on back wall and back  $\frac{1}{3}$  of side walls behind percussion and lower brass instruments.



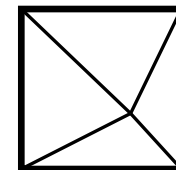
Type II Wall Diffuser

#### Ceiling Diffusers

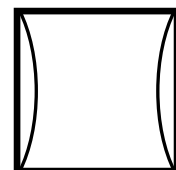
Pyramidal: Molded, white, ceiling diffuser typically installed in a suspended ceiling. Surface is paintable by others.

Convex: Molded, white ceiling mounted diffusers located over director and spreading out over middle of group. Surface is paintable by others.

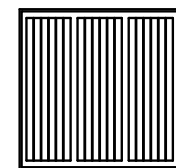
Quadratic: Originally used in recording studios and major concert halls around the world, quadratic technology provides uniform reflection of sound over a wide frequency range. Typically installed in a suspended ceiling.



Pyramidal Wall Diffuser



Convex Wall Diffuser



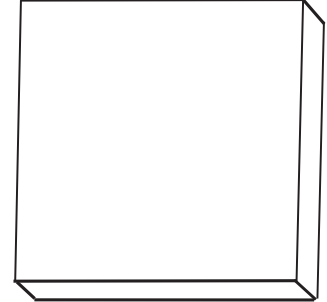
Quadratic Wall Diffuser

## Application Information

### Absorber Panels

Panel fabric covering utilizes the Guilford of Maine company, model FR701, style 2100, and is available in a variety of colors. We can accommodate non-standard styles and colors pending manufacturing approval and testing. Contact Wenger for additional information.

- Manufacturer's standard construction of 3" (8 cm), 6 pcf, glass fiber board, hardened resin edges, covered with Class A fabric according to NFPA 101 Life Safety Code Requirements.
- Corner brackets to receive mounting hardware.



Absorber Panel

### Wall Absorber Panels all panels are 3" (8 cm) thick

Nominal Dimensions	Actual Dimensions
2' x 2' (61 x 61 cm)	23 <sup>3</sup> / <sub>16</sub> " x 23 <sup>3</sup> / <sub>16</sub> " (59 x 59 cm)
2' x 3' (61 x 92 cm)	23 <sup>3</sup> / <sub>16</sub> " x 35 <sup>3</sup> / <sub>16</sub> " (59 x 89 cm)
2' x 4' (61 x 122 cm)	23 <sup>3</sup> / <sub>16</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (59 x 119 cm)
2' x 5' (61 x 153 cm)	23 <sup>3</sup> / <sub>16</sub> " x 59 <sup>7</sup> / <sub>8</sub> " (59 x 152 cm)
2' x 6' (61 x 183 cm)	23 <sup>3</sup> / <sub>16</sub> " x 70 <sup>7</sup> / <sub>8</sub> " (59 x 180 cm)
2' x 8' (61 x 244 cm)	23 <sup>3</sup> / <sub>16</sub> " x 94 <sup>7</sup> / <sub>8</sub> " (59 x 241 cm)
3' x 3' (92 x 92 cm)	35 <sup>3</sup> / <sub>16</sub> " x 35 <sup>3</sup> / <sub>16</sub> " (89 x 89 cm)
3' x 4' (92 x 122 cm)	35 <sup>3</sup> / <sub>16</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (89 x 119 cm)
3' x 5' (92 x 153 cm)	35 <sup>3</sup> / <sub>16</sub> " x 58 <sup>7</sup> / <sub>8</sub> " (89 x 150 cm)
3' x 6' (92 x 183 cm)	35 <sup>3</sup> / <sub>16</sub> " x 70 <sup>7</sup> / <sub>8</sub> " (89 x 180 cm)
3' x 8' (92 x 244 cm)	35 <sup>3</sup> / <sub>16</sub> " x 94 <sup>7</sup> / <sub>8</sub> " (89 x 241 cm)
4' x 4' (122 x 122 cm)	46 <sup>7</sup> / <sub>8</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (119 x 119 cm)
4' x 5' (122 x 153 cm)	46 <sup>7</sup> / <sub>8</sub> " x 58 <sup>7</sup> / <sub>8</sub> " (119 x 150 cm)
4' x 6' (122 x 183 cm)	46 <sup>7</sup> / <sub>8</sub> " x 70 <sup>7</sup> / <sub>8</sub> " (119 x 180 cm)
4' x 8' (122 x 244 cm)	46 <sup>7</sup> / <sub>8</sub> " x 94 <sup>7</sup> / <sub>8</sub> " (119 x 241 cm)
<b>Note:</b> Custom sizes are available.	

### Ceiling Absorber Panels all panels are 3" (8 cm) thick

Nominal Dimensions	Actual Dimensions
2' x 2' (61 x 61 cm)	23 <sup>3</sup> / <sub>16</sub> " x 23 <sup>3</sup> / <sub>16</sub> " (59 x 59 cm)
2' x 3' (61 x 92 cm)	23 <sup>3</sup> / <sub>16</sub> " x 35 <sup>3</sup> / <sub>16</sub> " (59 x 89 cm)
2' x 4' (61 x 122 cm)	23 <sup>3</sup> / <sub>16</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (59 x 119 cm)
3' x 3' (92 x 92 cm)	35 <sup>3</sup> / <sub>16</sub> " x 35 <sup>3</sup> / <sub>16</sub> " (89 x 89 cm)
3' x 4' (92 x 122 cm)	35 <sup>3</sup> / <sub>16</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (89 x 119 cm)
4' x 4' (122 x 122 cm)	46 <sup>7</sup> / <sub>8</sub> " x 46 <sup>7</sup> / <sub>8</sub> " (119 x 119 cm)
<b>Note:</b> Ceiling absorber panels mount direct to permanent ceiling or suspend from wire only. No lay-in or clip-in option available for suspended ceiling grids.	

## Application Information

### Diffuser Panels

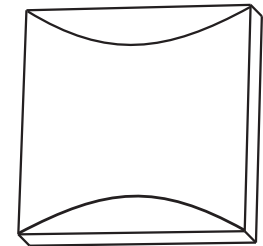
Diffuser panels include ceiling and wall panels. Only wall panels are fabric covered. Type I and Type II wall panels are convex shaped. Ceiling panels are either convex or pyramidal shaped. Panel fabric covering utilizes the Guiford of Maine Company, model FR701, Style 2100, Series of fabric, and is available in a variety of colors. We can accommodate non-standard styles and colors pending manufacturing approval and testing. Contact Wenger for additional information.

- Corners are reinforced with diagonal supports, which also provide a secure anchor for the mounting hardware.
- Constructed of Class A material according to NFPA 101 Life Safety Code Requirements.

### Wall Diffusers Panels, Type I (Convex)

- Constructed thermo molded plastic, 0.125" (3 mm) material thickness, recyclable.

Nominal Dimensions	Actual Dimensions
2' x 2' x 4 <sup>3</sup> / <sub>4</sub> " (61 x 61 x 12 cm)	22 <sup>3</sup> / <sub>4</sub> " x 22 <sup>3</sup> / <sub>4</sub> " x 4 <sup>3</sup> / <sub>4</sub> " (58 x 58 x 12 cm)
3' x 3' x 4 <sup>7</sup> / <sub>8</sub> " (92 x 92 x 12 cm)	35 <sup>1</sup> / <sub>4</sub> " x 35 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (90 x 90 x 12 cm)
3' x 4' x 5 <sup>7</sup> / <sub>8</sub> " (92 x 122 x 15 cm)	35 <sup>1</sup> / <sub>4</sub> " x 47" x 4 <sup>7</sup> / <sub>8</sub> " (90 x 119 x 12 cm)
3' x 6' x 5 <sup>7</sup> / <sub>8</sub> " (92 x 183 x 15 cm)	35 <sup>1</sup> / <sub>4</sub> " x 71" x 5 <sup>7</sup> / <sub>8</sub> " (90 x 152 x 15 cm)
4' x 2' x 4 <sup>7</sup> / <sub>8</sub> " (122 x 61 x 12 cm)	47" x 23 <sup>1</sup> / <sub>2</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (119 x 60 x 12 cm)
4' x 3' x 5 <sup>7</sup> / <sub>8</sub> " (122 x 92 x 15 cm)	47" x 35 <sup>1</sup> / <sub>4</sub> " x 5 <sup>7</sup> / <sub>8</sub> " (119 x 90 x 15 cm)
4' x 4' x 7 <sup>3</sup> / <sub>8</sub> " (122 x 122 x 19 cm)	47" x 47" x 7 <sup>3</sup> / <sub>8</sub> " (119 x 119 x 19 cm)
4' x 6' x 7 <sup>3</sup> / <sub>8</sub> " (122 x 183 x 19 cm)	47" x 71" x 7 <sup>3</sup> / <sub>8</sub> " (119 x 180 x 19 cm)
4' x 8' x 7 <sup>3</sup> / <sub>8</sub> " (122 x 244 x 19 cm)	47" x 95" x 7 <sup>3</sup> / <sub>8</sub> " (119 x 241 x 19 cm)

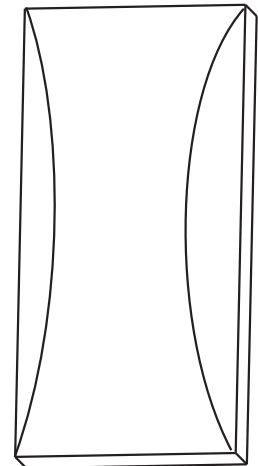


Type I Wall Diffuser

### Wall Diffusers Panel, Type II (Convex)

- Constructed of thermo molded plastic, 0.125" (3 mm) material thickness with glass fiber board glued to rear surface of panel. Recyclable.

Nominal Dimensions	Actual Dimensions
3' x 6' x 5 <sup>3</sup> / <sub>8</sub> " (92 x 183 x 15 cm)	35 <sup>1</sup> / <sub>4</sub> " x 71" x 5 <sup>3</sup> / <sub>8</sub> " (90 x 152 x 15 cm)
4' x 6' x 7 <sup>3</sup> / <sub>8</sub> " (122 x 183 x 19 cm)	47" x 71" x 7 <sup>3</sup> / <sub>8</sub> " (119 x 180 x 19 cm)
4' x 8' x 7 <sup>3</sup> / <sub>8</sub> " (122 x 244 x 19 cm)	47" x 95" x 7 <sup>3</sup> / <sub>8</sub> " (119 x 241 x 19 cm)

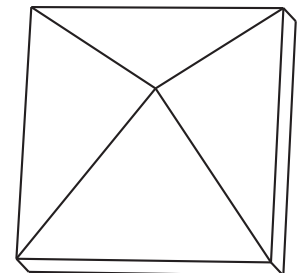


Type II Wall Diffuser

### Pyramidal Wall Diffusers

- Constructed of thermo molded plastic, 0.125" (3 mm) material thickness, recyclable.

Nominal Dimensions	Actual Dimensions
4' x 4' x 12" (122 x 122 x 30 cm)	47" x 47" x 12" (119 x 119 x 30 cm)



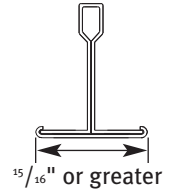
Pyramidal Wall Diffuser

## Application Information

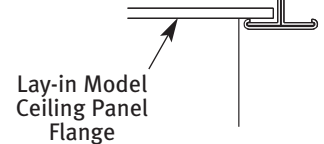
### Ceiling Diffuser Panels

- Ceiling diffuser panels are available in two shapes, convex or pyramidal.
- Manufacturer's standard construction of thermo molded plastic, 0.125" (3 mm) material thickness with white, "lemon-peel" finish. NOT fabric covered.
- Surface is paintable using latex acrylic paint only. Recyclable.
- Constructed of Class A material according to NFPA 101 Life Safety Code Requirements.
- Mounting is securely attached to the panel edges.
- For suspended ceiling grid, please specify if using standard or designer grid system.
- Ceiling panels may be direct mounted to permanent ceiling, or suspended from ceiling by wire from four corner hooks.

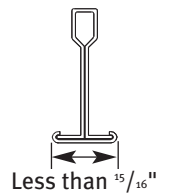
Standard Ceiling Grid Rail



Standard Ceiling Grid Rail

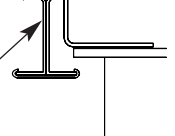


Designer Ceiling Grid Rail



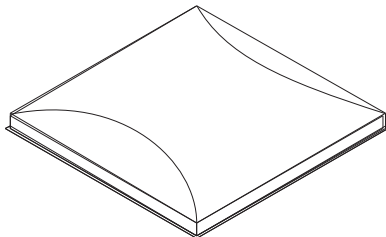
Designer Grid Mounting Clip

Designer Ceiling Grid Rail

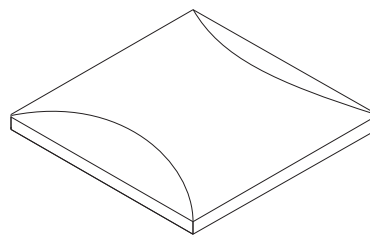


### Convex Ceiling Diffuser Panels

Nominal Dimensions	Actual Dimensions
<b>Lay-in Panel (for designer or standard grid)</b>	
2' x 2' x 5 <sup>1</sup> / <sub>4</sub> " (61 x 61 x 13 cm)	22 <sup>3</sup> / <sub>4</sub> " x 22 <sup>3</sup> / <sub>4</sub> " x 5 <sup>1</sup> / <sub>4</sub> " (58 x 58 x 13 cm)
4' x 2' x 5 <sup>1</sup> / <sub>4</sub> " (122 x 61 x 13 cm)	46 <sup>7</sup> / <sub>8</sub> " x 23 <sup>1</sup> / <sub>8</sub> " x 5 <sup>1</sup> / <sub>4</sub> " (119 x 59 x 13 cm)
4' x 4' x 5 <sup>1</sup> / <sub>4</sub> " (122 x 122 x 13 cm)	46 <sup>3</sup> / <sub>4</sub> " x 46 <sup>3</sup> / <sub>4</sub> " x 5 <sup>1</sup> / <sub>4</sub> " (119 x 119 x 13 cm)
<b>Clip-in Panel (for direct mount or wire suspended)</b>	
2' x 2' x 4 <sup>3</sup> / <sub>8</sub> " (61 x 61 x 12 cm)	22 <sup>3</sup> / <sub>4</sub> " x 22 <sup>3</sup> / <sub>4</sub> " x 4 <sup>3</sup> / <sub>8</sub> " (58 x 58 x 12 cm)
4' x 2' x 4 <sup>3</sup> / <sub>8</sub> " (122 x 61 x 12 cm)	46 <sup>7</sup> / <sub>8</sub> " x 23 <sup>1</sup> / <sub>8</sub> " x 4 <sup>3</sup> / <sub>8</sub> " (119 x 59 x 12 cm)
4' x 4' x 4 <sup>3</sup> / <sub>8</sub> " (122 x 122 x 11 cm)	46 <sup>3</sup> / <sub>4</sub> " x 46 <sup>3</sup> / <sub>4</sub> " x 4 <sup>3</sup> / <sub>8</sub> " (119 x 119 x 11 cm)



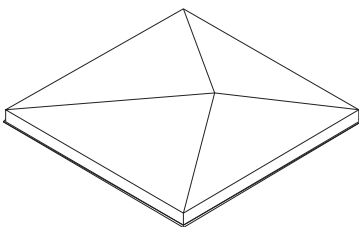
Lay-in Convex Ceiling Diffuser



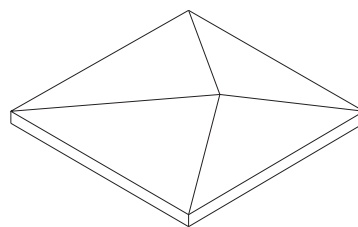
Clip-in Convex Ceiling Diffuser

### Pyramidal Ceiling Diffuser Panels

Nominal Dimensions	Actual Dimensions
<b>Lay-in Panel (for designer or standard grid)</b>	
2' x 2' x 6" (61 x 61 x 15 cm)	23 <sup>3</sup> / <sub>8</sub> " x 23 <sup>3</sup> / <sub>8</sub> " x 6" (60 x 60 x 15 cm)
4' x 4' x 12" (122 x 122 x 30 cm)	46 <sup>3</sup> / <sub>4</sub> " x 46 <sup>3</sup> / <sub>4</sub> " x 12" (119 x 119 x 30 cm)
<b>Clip-in Panel (for direct mount or wire suspended)</b>	
4' x 4' x 12" (122 x 122 x 30 cm)	46 <sup>3</sup> / <sub>4</sub> " x 46 <sup>3</sup> / <sub>4</sub> " x 12" (119 x 119 x 30 cm)



Lay-in Pyramidal Ceiling Diffuser



Clip-in Pyramidal Ceiling Diffuser

# INTERACTIVE ACOUSTICAL PANELS

## Application Information

### Installation

Acoustical Wall Panels are designed for easy installation. Panels are shipped fully assembled with mounting brackets included for a secure installation. Brackets are fastened (fasteners not included) to virtually any wall surface (Fig. 1) and the panels mount easily onto the wall brackets (Fig. 2).

#### Wall Absorber/Diffuser Installation

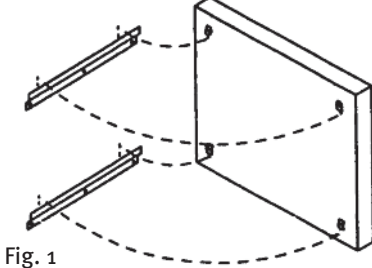


Fig. 1

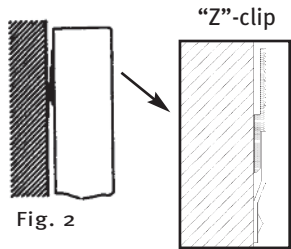
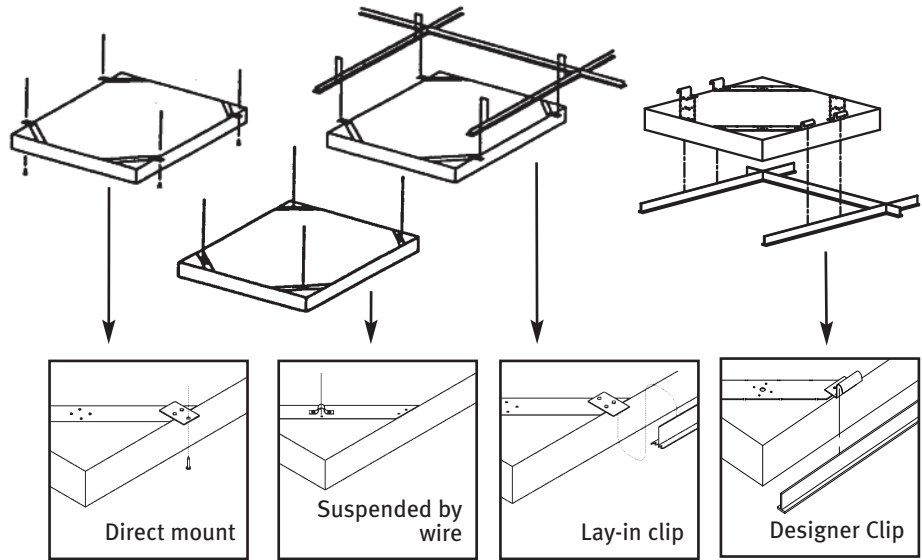


Fig. 2

#### Ceiling Absorber/Diffuser Installation



### Acoustical Performance

#### Sound Absorption Coefficient One-Third Octave Band Center Frequency (Hz)

Mounting Type	125	250	500	1000	2000	4000
Wall and Ceiling Absorbers (4' x 4') (122 x 122 cm)						
A <sup>†</sup>	0.65	1.10	1.31	1.23	1.20	1.09
Ceiling Diffusers (4' x 4') (122 x 122 cm) Convex						
A	0.20	0.11	0.07	0.04	0.09	0.21
E-400	0.21	0.16	0.16	0.15	0.14	0.26
Ceiling Diffusers (4' x 4') (122 x 122 cm) Pyramidal						
A	0.27	0.18	0.09	0.06	0.03	0.00
E-400	0.21	0.14	0.13	0.13	0.18	0.27
Type I Wall Diffusers (4' x 4') (122 x 122 cm) Convex						
A	0.18	0.18	0.13	0.10	0.12	0.16
E-9/32" (7 mm) <sup>‡</sup>	0.25	0.14	0.11	0.10	.13	0.16
Type I Wall Diffusers (4' x 4') (122 x 122 cm) Pyramidal						
A	0.23	0.18	0.13	0.12	0.14	0.11
E-9/32" (7 mm) <sup>‡</sup>	0.22	0.18	0.12	0.12	0.17	0.20
Type II Wall Diffusers (4' x 8') (122 x 244 cm)						
A	0.34	0.27	0.14	0.11	0.11	0.19
E-9/32" (7 mm) <sup>‡</sup>	0.28	0.29	0.19	0.13	0.13	0.20

#### Sabins/Unit One-Third Octave Band Center Frequency (Hz)

Mounting Type	125	250	500	1000	2000	4000
Wall and Ceiling Absorbers (4' x 4') (122 x 122 cm)						
A <sup>†</sup>	10.4	17.6	21.0	19.7	19.2	17.7
Ceiling Diffusers (4' x 4') (122 x 122 cm) Convex						
A	7.8	2.6	1.5	0.7	0.5	0.8
E-400	3.3	2.6	2.6	2.3	2.2	4.2
Ceiling Diffusers (4' x 4') (122 x 122 cm) Pyramidal						
A	4.3	2.9	1.4	1.0	0.5	0.0
E-400	3.4	2.2	2.1	2.1	2.9	4.3
Type I Wall Diffusers (4' x 4') (122 x 122 cm) Convex						
A	2.9	2.9	2.1	1.6	1.9	2.6
E-9/32" (7 mm) <sup>‡</sup>	4.0	2.3	1.8	1.7	2.0	2.6
Type I Wall Diffusers (4' x 4') (122 x 122 cm) Pyramidal						
A	3.7	2.9	2.1	1.9	2.2	1.8
E-9/32" (7 mm) <sup>‡</sup>	3.5	2.9	1.9	1.9	2.7	3.2
Type II Wall Diffusers (4' x 8') (122 x 244 cm)						
A	10.8	8.6	4.6	3.4	3.6	6.1
E-9/32" (7 mm) <sup>‡</sup>	9.1	9.4	6.0	4.1	4.1	6.4

A<sup>†</sup> Mounted 9/32" (7 mm) air space to simulate actual installation practice;

A Mounting — 0.2" (0.5 cm) air space E-400 Mounting — 16" (41 cm) air space.

Sound Transmission Class (STC), determined according to ASTM E90 and ASTM E413; Type I convex ceiling diffuser panel, 4' x 4' (122 cm x 122 cm); STC 23, Type 1 pyramidal diffuser panel, 4' x 4' (122 x 122 cm), STC 22.



# INTERACTIVE ACOUSTICAL PANELS

## ACOUSTICAL PANEL QUESTIONNAIRE

When it comes to acoustical treatments for music rehearsals spaces, each room's needs are unique and we cannot base an acoustic solution on assumptions. In order to put a proposal together based on the unique needs of your rooms, we ask that you complete the following questionnaire. From this information, we will design the optimal Acoustic Panel Solution and create a drawing for placement of panels, and a budget quote.

CUSTOMER NAME: \_\_\_\_\_  
 FACILITY NAME: \_\_\_\_\_  
 CITY, STATE, ZIP: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 PHONE/FAX: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_  
 Is an acoustician involved?  YES  NO  
 Firm Name? \_\_\_\_\_

<b>For Existing Spaces:</b> What is the biggest problem with the rehearsal room?	
Too loud	_____
Too boomy	_____
Echoes	_____
Too dry	_____
Other	_____

**A.)** Send a copy of the following blueprint/Cad drawings of your room (if you do not have drawings, please create a detailed sketch showing key dimension and locations of obstacles such as doors, windows, speakers, emergency lights, white-boards et.):

**With Sketches please indicate:**

\_\_\_\_\_ Floor Plans                      Room Width \_\_\_\_\_  
 \_\_\_\_\_ Reflected Ceiling        PlanRoom Depth \_\_\_\_\_  
 \_\_\_\_\_ Wall Elevations            Ceiling Height \_\_\_\_\_

### C.) CEILING FINISH

**If You Have a Suspended Ceiling Please Note:**

The expected acoustic results assume Acoustic Ceiling Panels (rated at .95 NRC and are typically a 1" thick, or greater, glass fiber material). **Any other suspended ceiling will nullify the expected acoustic result of a Wenger solution.**

\_\_\_\_\_ Suspended/1" Glass Fiber Panels .95 NRC – Required to achieve the expected acoustic result of a Wenger Solution.

\_\_\_\_\_ Suspended/Mineral Board – **Nullifies the expected acoustic result of a Wenger solution.**

**Will you be replacing with acoustic panels rated at .95 NRC or better**  Yes  No

\_\_\_\_\_ Acoustical Tile/Glued (Unpainted)

\_\_\_\_\_ Acoustical Tile/Glued (Painted)

These ceiling types can be treated with Wenger Absorber Panels:

\_\_\_\_\_ Steel Truss/Deck  
 \_\_\_\_\_ Wood Planking  
 \_\_\_\_\_ Concrete Beam  
 \_\_\_\_\_ Plaster  
 \_\_\_\_\_ Gypsum Board

### F.) WALLFINISHES

	NORTH	SOUTH	EAST	WEST
Concrete or Concrete Block	_____	_____	_____	_____
Gypsum/Drywall Board w/3/8"	_____	_____	_____	_____
Insulation behind	_____	_____	_____	_____
Gypsum Board no Insulation	_____	_____	_____	_____
Plaster/Lathe	_____	_____	_____	_____
Brick	_____	_____	_____	_____
Poured/pre-stressed concrete	_____	_____	_____	_____
Windows	_____ No			

Yes – Shown on print or sketches with dimensions indicated including sill height above floor and window height from sill to top of window opening.

**G.)** Are there/will there be INSTRUMENT STORAGE CABINETS in this room?

\_\_\_\_\_ No

\_\_\_\_\_ Yes

Are they Wenger cabinets?  No

Yes  Solid Doors  
 Grille Doors  
 Acoustic Cabinets

**B.)** What is the **MAIN USE** of the room, and the largest **NUMBER OF STUDENTS** in a group that use the room?

\_\_\_\_\_ Marching Band                      # of Students \_\_\_\_\_  
 \_\_\_\_\_ Jazz Band                              # of Students \_\_\_\_\_  
 \_\_\_\_\_ Band                                      # of Students \_\_\_\_\_  
 \_\_\_\_\_ Orchestra                              # of Students \_\_\_\_\_  
 \_\_\_\_\_ Choir                                      # of Students \_\_\_\_\_  
 \_\_\_\_\_ Multi-purpose  
 (Example: Cafetorium)                      # of Students \_\_\_\_\_

### D.) SUSPENDED CEILING GRID (if applies)

\_\_\_\_\_ Standard Grid System  
 \_\_\_\_\_ Designer Grid System

### E.) FLOOR FINISH

\_\_\_\_\_ Concrete  
 \_\_\_\_\_ Tile on Concrete  
 \_\_\_\_\_ Carpet on Concrete  
 \_\_\_\_\_ Wood Floor  
 \_\_\_\_\_ Carpet on Wood Floor  
 \_\_\_\_\_ Wood or poured Concrete risers  
 (Please note poured concrete risers greatly limit the acoustic capacity of a room and are not recommended).

**H.)** Which compass direction does the group face? (Must indicate "NORTH" or "FRONT" on blueprint.)

\_\_\_\_\_ NORTH  
 \_\_\_\_\_ SOUTH  
 \_\_\_\_\_ EAST  
 \_\_\_\_\_ WEST

**I.)** Videotape or photograph your rehearsal room the way it's normally set up. A simple commentary on the video will further clarify what you are showing us.

Form 487, Rev 2

# INSTRUMENT STORAGE SYSTEM



Instrument  
Storage Systems

# INSTRUMENT STORAGE SYSTEM

Wenger has a solution for every storage need...



## ULTRASTOR™ STORAGE CABINETS

The industry's #1 choice for instruments and garments. Perfectly functional, incredibly durable, and aesthetically enduring, UltraStor™ is precision-engineered to ventilate and protect your huge investment.



## EDGE™ STORAGE SYSTEM

Edge™ gives you UltraStor™ quality in an economized design that adapts to any space. The open-back, shared-wall system uses fewer materials to save you money and lessen the impact on the environment.



## ACOUSTICABINETS™

Specially designed grille doors and acoustically absorptive material minimize the loss of cubic volume and help eliminate flutter echo. The perfect fit for rehearsal rooms, AcoustiCabinets actually enhance a room's acoustics.



## GEARBOSS® HIGH-DENSITY STORAGE

High-density, heavy-duty GearBoss storage creates up to 50 percent more space. The innovative track-and-rolling-cart design moves effortlessly, dramatically increasing accessibility, organization, flexibility, sanitation, ventilation, and security.

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
Owatonna, MN 55060-0448  
Phone 800.4WENGER (493-6437)  
Fax 507.455.4258  
Parts & Service 800.887.7145

**WENGER CORPORATION**  
CANADA REPRESENTATIVE OFFICE  
Phone 800.268.0148

**WORLDWIDE**  
Phone 1.507.455.4100  
Fax 1.507.774.8576

**WEB SITE**  
[wengercorp.com](http://wengercorp.com)

**Wenger®**  
*Your Performance Partner*

# INSTRUMENT STORAGE

## Overview

Instruments of every size and shape, some delicate, some cumbersome, all needing a dedicated space. Enough garments, flags, and props to fill a showroom. And more sheet music than you can count.

Where do you put it all – in a way that keeps it accessible, but also secure and well-protected? How do you make sure storage not only doesn't impede traffic flow, but in fact enhances it? How important is ventilation? And what about durability? Do you need to sacrifice aesthetics for function? What kind of options do you have? And where in the world do you start?

Determining the right storage solution is tricky, if not overwhelming, unless you know who to call.

A call to Wenger is the answer.

Whatever you need to store, we have the ideal solution for your space and budget. We also bring a unique dual expertise — music education and storage — that we will help you leverage to your ultimate advantage.

Creating a customized storage solution that optimizes your space and dollars within the context of your specific storage requirements is a process that requires a close look at your needs and a close relationship with an expert. Work with Wenger and you will benefit from an expertise earned by working with situations just like yours.

Tested every day, all around the world One thing experience has taught us: students hang on locker doors, so we load-test ours with more than 300 lb (136 kg) of pressure on the outer edge. We also know that easy theft is the most likely theft, and to prevent that our patented lock-bar is 12-gauge steel, the strike plate heavy-duty, and tamper-resistant. And we've seen how daily wear-and-tear can shorten product life and that's why Wenger products are built so well and keep looking that way.

**Wenger has a solution for every storage need...**

	UltraStore™ Cabinets	Edge™ Storage System	GearBoss® Storage	GearBoss® Shelving	OnBoard® Carts	Instrument Racks
Small Instruments	•	•				
Large Instruments	•	•		•	•	•
Percussion	•	•	•	•	•	•
Orchestra	•	•				•

The following page is an instrumentation list.

Be sure to list only instruments to be stored in cabinets.

For larger or loose equipment, use a separate storage area.

# INSTRUMENT STORAGE

## Cabinet Layout Estimate Form

### 1 Check Color Combination

- (Body finish of all cabinets is Oyster)  
 Laminate Color / Edge banding Color / Painted Grille & Door Fasteners  
 Wenger Maple / Oyster / Oyster  
 Pebble / Oyster / Oyster  
 Oyster / Oyster / Oyster  
 Cherry / Cherry / Black  
 Evening Tigris / Pepper Dust / Pepper Dust  
 Fusion Maple / Almond / Almond  
 Solar Oak / Black / Black

### 3 Check Core Material Type

- Standard  
 Industrial Grade Composite Wood  
 (No added urea formaldehyde)  
 Non-Standard (upcharge applies)  
 Fire-Rated  
 Moisture-Resistant Core Material  
 Vencore Plywood  
 FSC Certified

### 4 Check Door Style

- Compartment Door  
 No Door  
 Full Door  
 (Not available on all cabinets.  
 Please contact your Wenger rep for assistance)

### 5 Check Door Type

- (AcoustiCabinets are only available with Waterfall Grille Doors)  
 Straight Grille Door  
 Waterfall Grille Door (Not available on Edge)  
 Solid  
 Full-Size Grille  
 Heavy-Duty Grille Door  
 (Not available on Edge)  
 (Available for Full Door options only)

### 6 Room Size

- Linear feet of available wall space \_\_\_\_\_  
 Number of corners available for storage \_\_\_\_\_

### For a proposal:

- Fill out this form and contact Wenger for assistance or complete the form online at [www.wengercorp.com](http://www.wengercorp.com).

### To receive a site drawing with your proposal:

- Include a copy of blueprints, floor plan and elevations of your location showing windows, doors, blackboards, and other permanent fixtures.

### 2 Check Cabinet Type

- UltraStor™ Storage Cabinets  
 AcoustiCabinets™  
 Edge™ Storage System

### 7 Qty. Instrument

- Piccolo  
 Flute  
 Oboe  
 English Horn  
 E-flat Clarinet  
 B-flat Clarinet  
 2 Pc. Alto Clarinet  
 1 Pc. Alto Clarinet  
 2 Pc. Bass Clarinet  
 1 Pc. Bass Clarinet  
 Contralto Clarinet  
 Contrabass Clarinet  
 Bassoon  
 Contrabassoon  
 Soprano Saxophone  
 Alto Saxophone  
 Tenor Saxophone  
 Baritone Saxophone  
 Bass Saxophone  
 Cornet  
 Trumpet  
 Flugelhorn  
 French Horn  
 Trombone  
 Bass Trombone  
 Baritone Horn  
 Mellophone  
 Euphonium  
 Tuba (Sizes: \_\_\_\_\_)  
 Tuba (upright bell)  
 Recording Bass  
 Snare Drum  
 6<sup>1</sup>/<sub>2</sub>" x 14"  
 (17 x 36 cm)  
 Snare Drum  
 8" x 14"  
 (20 x 36 cm)

### Qty. Instrument

- Marching Drum  
 12" x 15"  
 (30 x 38 cm)  
 Field Drum  
 15" x 18"  
 (38 x 46 cm)  
 Bass Drum  
 14" x 22"  
 (36 x 56 cm)  
 Bass Drum  
 14" x 24"  
 (36 x 61 cm)  
 Bass Drum  
 14" x 28"  
 (36 x 71 cm)  
 Bass Drum  
 16" x 30"  
 (41 x 76 cm)  
 Bass Drum  
 16" x 32"  
 (41 x 81 cm)  
 Percussion/  
 Bell Kit  
 Concert Bass  
 Drum  
 18" x 40"  
 (46 x 102 cm)  
 Marching Trios  
 Marching Quads  
 Marching Quints  
 Sousaphone  
 Marching  
 Mellophone  
 Marching Baritone  
 Marching  
 Trombone  
 Marching French  
 Horn  
 Violin  
 Viola  
 Cello  
 String Bass  
 Acoustic Guitar

- Electric Guitar  
 Bass Guitar  
 Spanish Guitar  
 Guitarron  
 Vihuela

### Mallet Percussion

- Concert Bass  
 Drum  
 16" x 36"  
 (41 x 91 cm)  
 Concert Bass  
 Drum  
 18" x 40"  
 (46 x 102 cm)  
 Timpani  
 Orchestra Bells  
 Chimes  
 Marimba  
 under 58"  
 (147 cm)  
 Vibes  
 under 58"  
 (147 cm)  
 Xylophone  
 under 58"  
 (147 cm)

### Additional items

- Uniforms  
 Robes  
 Hats  
 Flags  
 Rifles  
 Inches of Music

### Titles

- Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

## Application Information

### UltraStor™ Storage Cabinets

#### Our original, trusted and proven storage cabinets.

Our patented polyethylene shelves are just part of the best-built, most-reliable storage cabinets available. Heavy-duty hardware and top-quality doors further ensure reliable day-to-day operation and unparalleled durability when you buy Wenger storage cabinets.

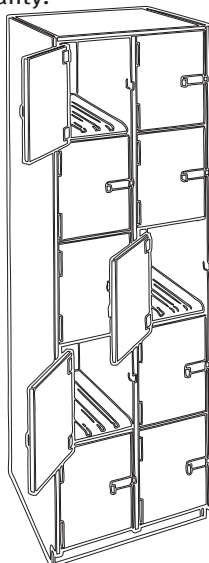
UltraStor cabinets are also designed to look great with virtually any décor. They're available in a range of sizes, colors and styles to fit a wide variety of needs. That includes different door types for different applications. Plus, UltraStor cabinets are modular so you can rearrange and even add units as needed.

#### PERFORMANCE REQUIREMENTS

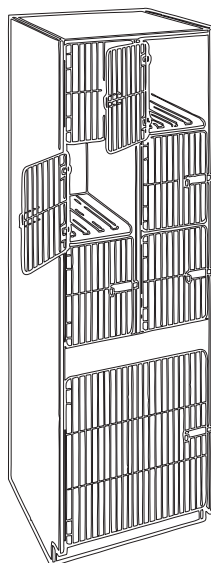
- Choice of solid doors, straight grille doors or no doors.
- Waterfall grille doors available for an extra charge.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to musical instrument, equipment, and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 85<sup>5</sup>/<sub>8</sub>" (217 cm), 69<sup>3</sup>/<sub>4</sub>" (177 cm) and 38<sup>5</sup>/<sub>16</sub>" (97 cm) heights available to meet your students' needs. Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.
- Standard 27<sup>1</sup>/<sub>2</sub>" (69.85 cm) wide and 21" (53.34 cm) narrow widths available.

#### CONSTRUCTION

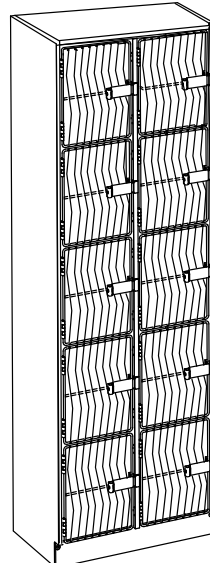
- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Available with right- or left-hinged (standard) doors for easy access.
- Bolt-through construction maintains superior door and hardware condition, year after year.
- Seismic-compliant bracing available upon request as a special order.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Available in several core substrates to meet your specific needs: fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ten-year warranty.



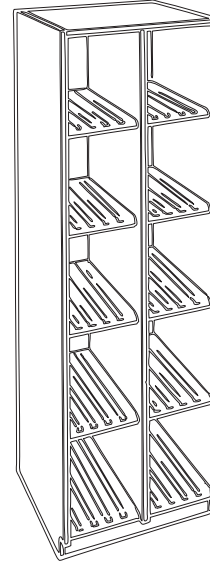
Cabinet #4 with wood compartment doors



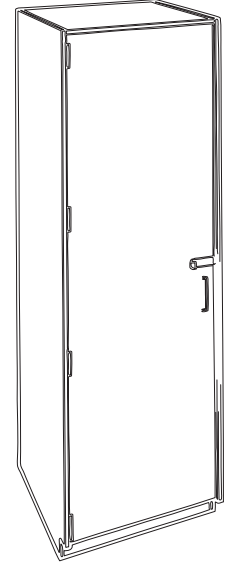
Cabinet #6 with straight grille compartment doors



Cabinet #4 with waterfall grille compartment doors



Cabinet #4 without doors



Cabinet #4 with full wood door



## Application Information

### AcustiCabinets™

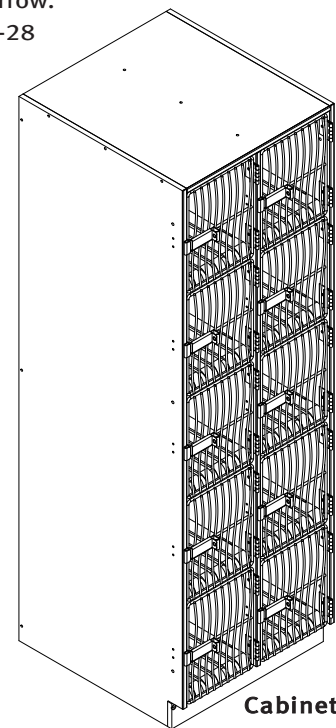
Need to have instrument storage in your rehearsal room? Wenger's unique patented solution minimizes the loss of cubic volume, provides sound absorption, and helps eliminate flutter echo caused by direct sound reflection. After working closely with acoustical consultants, Wenger has developed an instrument storage cabinet that combines specially designed grille doors, acoustically absorptive material and reliable durability to produce storage that can help enhance the room's acoustical performance.

#### PERFORMANCE REQUIREMENTS

- Waterfall design on grille doors provides a distinctive look, minimizes a room's cubic volume loss and reduces vibration.
- Solid steel lockable grille doors provide protection from theft or damage.
- Acoustically absorptive material at the back of the AcustiCabinet helps eliminate direct sound reflection while absorbing high and low frequencies.
- Environmentally friendly, acoustically absorptive material helps eliminate sound reflection.
- Patented polyethylene shelves, bolt-through construction, and heavy-duty hardware for unmatched durability.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to musical instrument, equipment, and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 85<sup>5</sup>/<sub>8</sub>" (217 cm), 69<sup>3</sup>/<sub>4</sub>" (177 cm) and 38<sup>3</sup>/<sub>16</sub>" (97 cm) heights available to meet your students' needs. Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.
- Standard 27<sup>1</sup>/<sub>2</sub>" (69.85 cm) wide and 21" (53.34 cm) narrow widths available.
- Acoustical performance, one-third Octave Band Center Frequency, Hz, for four 27<sup>1</sup>/<sub>2</sub>"w x 21<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 55 x 217 cm) in compliance with testing standards defined by ASTM C423-02a and E795-05 when installed as recommended.

#### CONSTRUCTION

- Available in all standard Wenger cabinet sizes 1-28, 42 and 51-61 standard and narrow.
- Compartment grille door sizes are available for all standard Wenger cabinet sizes 1-28 and 51-61.
- Corner Cabinets not available in this configuration.
- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Available with right- or left-hinged (standard) doors for easy access.
- Bolt-through construction maintains superior door and hardware condition, year after year.
- Seismic-compliant bracing available upon request as a special order.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Available in several core substrates to meet your specific needs: fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ten-year warranty.

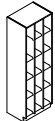

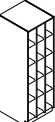
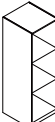
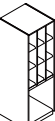
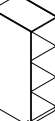
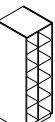
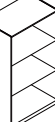
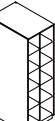
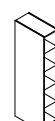
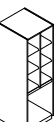

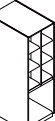
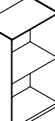
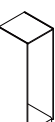
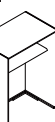


Cabinet #4



## Application Information

### Cabinet Specifications - UltraStor Storage Cabinets and AccoustiCabinets

<p><b>1</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 19<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 49 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 15 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>9</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 Cello or Guitar, and 1 Snare Drum or Field Drum, or use for General Storage. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (65 x 70 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 61<sup>7</sup>/<sub>8</sub>"h (65 x 70 x 157 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>
<p><b>2</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 15 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>10</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 3 French Horns, Alto Horns, or Snare Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 70 x 64 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>
<p><b>3</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 9 Clarinets, Flutes, Piccolos, or Oboes, and 1 French Horn, Alto Horn, or Snare Drum. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 70 x 64 cm) Narrow width sizes: 6" (15 cm), 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>11</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 3 Baritones, Euphoniums, or Mellophones. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 95 x 64 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>
<p><b>4</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 10 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>	<p><b>12</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 74 x 217 cm) Stores 3 Baritone Saxophones, Bass Clarinets, Bassoons, Field Drums, or Snare Drums, or for General Storage. Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 23<sup>3</sup>/<sub>4</sub>"h (118 x 70 x 60 cm)</p>
<p><b>5</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 10 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Sax, or Alto Clarinets. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>	<p><b>13</b></p>  <p>14<sup>3</sup>/<sub>8</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (37 x 74 x 217 cm) Available in narrow width: 11<sup>3</sup>/<sub>8</sub>" (29 cm) Stores 5 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>6</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 6 Trumpets, Cornets, or Alto Saxophones, and 1 French Horn, Alto Horn, or Snare Drum. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 70 x 64 cm) Narrow width sizes: 9<sup>3</sup>/<sub>8</sub>" (23 cm), 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>14</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 2 Bass Drums, Field Drums, Snare Drums, or Parade Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>1</sup>/<sub>4</sub>"d x 37<sup>3</sup>/<sub>8</sub>"h (65 x 95 x 95 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>
<p><b>7</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 6 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Sax, or Alto Clarinets, and 1 Baritone Horn, Euphonium, or Mellophone. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 95 x 64 cm) Narrow width sizes: 9<sup>3</sup>/<sub>8</sub>" (23 cm), 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>15</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 74 x 217 cm) Stores 2 Bass Drums, Field Drums, Snare Drums, Parade Drums, Tri-Toms, Quads, Tubas, or Sousaphones (bell detached) Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 37"h (118 x 71 x 94 cm)</p>
<p><b>8</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 String Bass, Contra Bass Clarinet, or Bass Drum, or use for General Storage. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 78<sup>1</sup>/<sub>2</sub>"h (65 x 70 x 199 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>17</b></p>  <p>60<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (154 x 100 x 217 cm) Stores 1 Timpani, Chimes, Small Vibes and Xylophones, Marimbas, and Gongs. Compartments: 58<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 83<sup>1</sup>/<sub>4</sub>"h (149 x 95 x 211 cm) Shelf is adjustable. Heights can vary.</p>

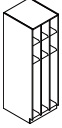
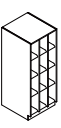
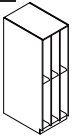
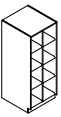

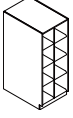
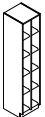
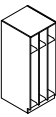
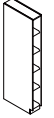
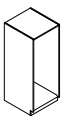
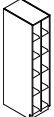
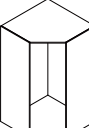
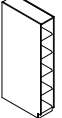
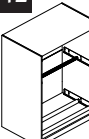
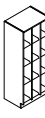
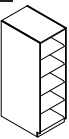
Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create an instrument storage layout using the most suitable cabinets.

Cabinets shown without doors.



## Application Information

### Cabinet Specifications - UltraStor Storage Cabinets and AccoustiCabinets

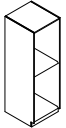

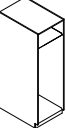

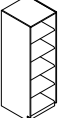











<p><b>18</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Stores 3 Guitars and 6 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 48<sup>1</sup>/<sub>4</sub>"h (20 x 70 x 122 cm)</p>	<p><b>26</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 74 x 177 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 10 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>
<p><b>19</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Stores 6 Acoustic Guitars.</p> <p>Compartments: 8"w x 37<sup>3</sup>/<sub>8</sub>"d x 38<sup>1</sup>/<sub>4</sub>"h (20 x 95 x 97 cm)</p>	<p><b>27</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 74 x 177 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 8 Trumpets, Cornets, or Alto Saxophones.</p> <p>Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) Narrow width size: 9<sup>5</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>20</b></p>  <p>10"w x 19<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (25 x 49 x 217 cm) Available in narrow width: 8" (20 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>28</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 100 x 177 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 8 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets.</p> <p>Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) Narrow width size: 9<sup>5</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>21</b></p>  <p>18<sup>3</sup>/<sub>4</sub>"w x 19<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (48 x 49 x 217 cm) Available in narrow width: 14<sup>3</sup>/<sub>4</sub>" (38 cm) Stores 10 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>29</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 74 x 177 cm) Stores 3 Guitars and 3 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 48<sup>1</sup>/<sub>4</sub>"h (20 x 70 x 123 cm)</p>
<p><b>22</b></p>  <p>10"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (25 x 74 x 217 cm) Available in narrow width: 8" (20 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>30</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 74 x 177 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 Cello or Guitar.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 61<sup>7</sup>/<sub>8</sub>"h (65 x 70 x 157 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>
<p><b>23</b></p>  <p>18<sup>3</sup>/<sub>4</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (48 x 74 x 217 cm) Available in narrow width: 14<sup>3</sup>/<sub>4</sub>" (38 cm) Stores 10 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>41</b></p>  <p>48<sup>1</sup>/<sub>4</sub>"w x 48<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (22 x 22 x 217 cm) Stationary and revolving shelf models available for instrument, garment and flag/rifle storage. Contact your Wenger representative for best utilization details.</p>
<p><b>24</b></p>  <p>14<sup>3</sup>/<sub>8</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (37 x 100 x 217 cm) Available in narrow width: 11<sup>3</sup>/<sub>8</sub>" (29 cm) Stores 5 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets.</p> <p>Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) Narrow width size: 9<sup>5</sup>/<sub>8</sub>" (23 cm)</p>	<p><b>42</b></p>  <p>60<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>2</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (154 x 101 x 217 cm) Stores up to 3 Bass, 4 Cellos, 18 Guitars, 20 Violins or Violas.</p> <p>Compartments: 58<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>4</sub>"d x 81"h (149 x 96 x 206 cm)</p>
<p><b>25</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 19<sup>1</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (70 x 49 x 177 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 12 Clarinets, Flutes, Piccolos, or Oboes.</p> <p>Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>43</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 100 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 5 Trombones, Bass Trombones, or Orchestra Bells.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (65 x 95 x 37 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>

Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create an instrument storage layout using the most suitable cabinets.

Cabinets shown without doors.

## Application Information

### Cabinet Specifications - UltraStor Storage Cabinets and AccoustiCabinets

<p><b>44</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 2 Bass Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 37<sup>3</sup>/<sub>8</sub>"h (65 x 70 x 95 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>55</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 100 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 4 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 237<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>45</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 101 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 Snare Drum and 1 Cello or Guitar. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (65 x 95 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 61<sup>7</sup>/<sub>8</sub>"h (65 x 95 x 157 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>56</b></p>  <p>14<sup>3</sup>/<sub>8</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (37 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 11<sup>3</sup>/<sub>8</sub>" (29 cm) Stores 2 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>47</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 5 Mellophones, Marching Trombones, or Snare Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (65 x 70 x 37 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>57</b></p>  <p>10"w x 19<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (25 x 49 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 8" (20 cm) Stores 2 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>
<p><b>50</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 100 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 Baritone, Euphonium, or Mellophone. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 95 x 64 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>58</b></p>  <p>18<sup>3</sup>/<sub>4</sub>"w x 19<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (48 x 49 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 14<sup>3</sup>/<sub>4</sub>" (38 cm) Stores 4 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>
<p><b>51</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 19<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 49 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 6 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>59</b></p>  <p>10"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (25 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 8" (20 cm) Stores 2 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>
<p><b>52</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 6 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>	<p><b>60</b></p>  <p>18<sup>3</sup>/<sub>4</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (48 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 6 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) Narrow width size: 6" (15 cm)</p>
<p><b>53</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 1 French Horn, Alto Horn, or Snare Drum. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 70 x 64 cm) Narrow width size: 19<sup>1</sup>/<sub>2</sub>" (50 cm)</p>	<p><b>61</b></p>  <p>14<sup>3</sup>/<sub>8</sub>"w x 39<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (37 x 100 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 11<sup>3</sup>/<sub>8</sub>" (29 cm) Stores 4 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>
<p><b>54</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (70 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> Available in narrow width: 21<sup>1</sup>/<sub>2</sub>" (55 cm) Stores 4 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm) Narrow width size: 9<sup>3</sup>/<sub>8</sub>" (23 cm)</p>	<p><b>62</b></p>  <p>36"w x 29<sup>1</sup>/<sub>4</sub>"d x 38<sup>5</sup>/<sub>16</sub>"h (73 x 74 x 97 cm) <i>Add 1<sup>1</sup>/<sub>8</sub>" (2.86 cm) to height if work surface top is included.</i> General Storage. Compartments: 16<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 26<sup>1</sup>/<sub>2</sub>"h (43 x 70 x 67 cm) Drawers: 15<sup>1</sup>/<sub>16</sub>"w x 19<sup>9</sup>/<sub>8</sub>"d x 4<sup>3</sup>/<sub>8</sub>"h (40 x 50 x 11 cm)</p>

Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create an instrument storage layout using the most suitable cabinets.  
Cabinets shown without doors.

# INSTRUMENT STORAGE

## Typical Drawings

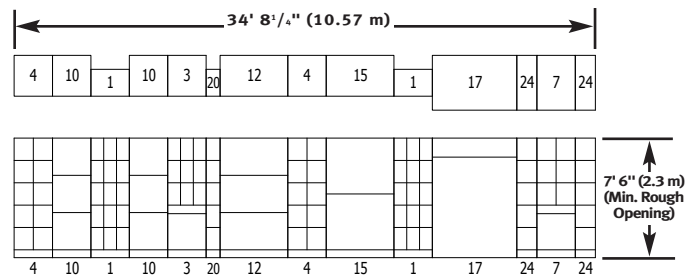
### UltraStor Storage Cabinets and AccoustiCabinets - Band Instruments Suggested Cabinet Sets

1. The set capacities are based on storing one instrument per compartment.
2. These drawings are not to scale.
3. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available, please contact Wenger.  
Cabinets shown without doors.

#### Set B-85

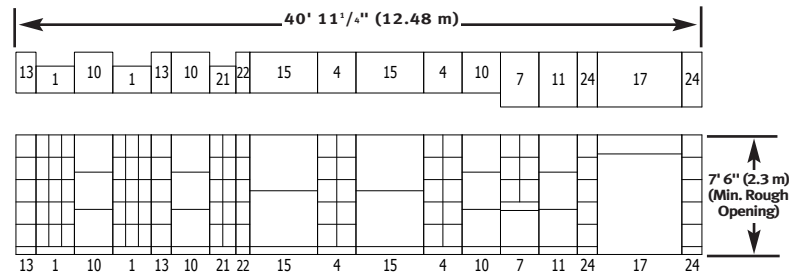
##### 85 Band Instruments



Qty.	Description
2	#1 Cabinet
1	#3 Cabinet
2	#4 Cabinet
1	#7 Cabinet
2	#10 Cabinet
1	#12 Cabinet
1	#15 Cabinet
1	#17 Cabinet
1	#20 Cabinet
2	#24 Cabinet
14	Total

#### Set B-100

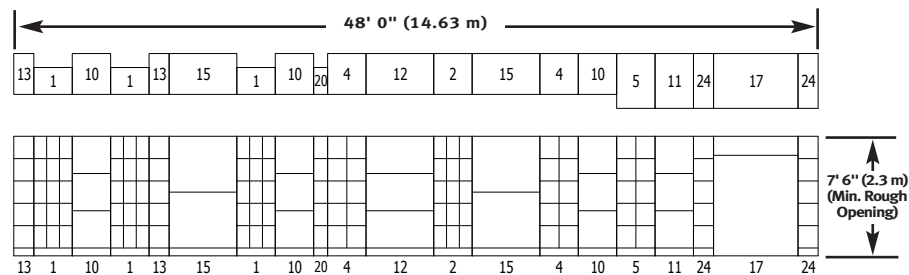
##### 100 Band Instruments



Qty.	Description
2	#1 Cabinet
2	#4 Cabinet
1	#7 Cabinet
3	#10 Cabinet
1	#11 Cabinet
2	#13 Cabinet
2	#15 Cabinet
1	#17 Cabinet
1	#21 Cabinet
1	#22 Cabinet
2	#24 Cabinet
18	Total

#### Set B-120

##### 120 Band Instruments



Qty.	Description
3	#1 Cabinet
1	#2 Cabinet
2	#4 Cabinet
1	#5 Cabinet
3	#10 Cabinet
1	#11 Cabinet
1	#12 Cabinet
2	#13 Cabinet
2	#15 Cabinet
1	#17 Cabinet
1	#20 Cabinet
2	#24 Cabinet
20	Total

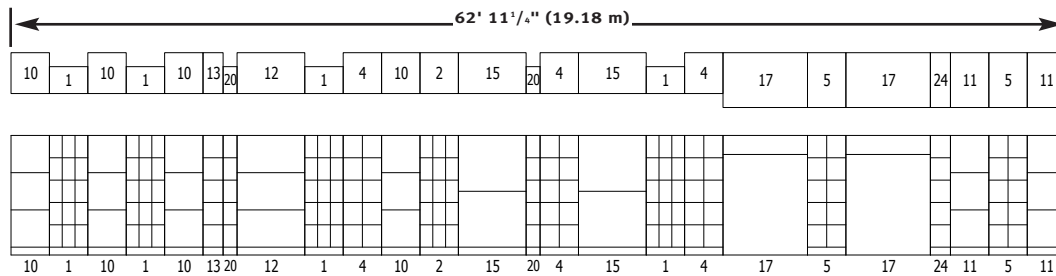
# INSTRUMENT STORAGE

## Typical Drawings

### UltraStor Storage Cabinets and AccoustiCabinets - Band Instruments Suggested Cabinet Sets (continued)

#### Set B-150

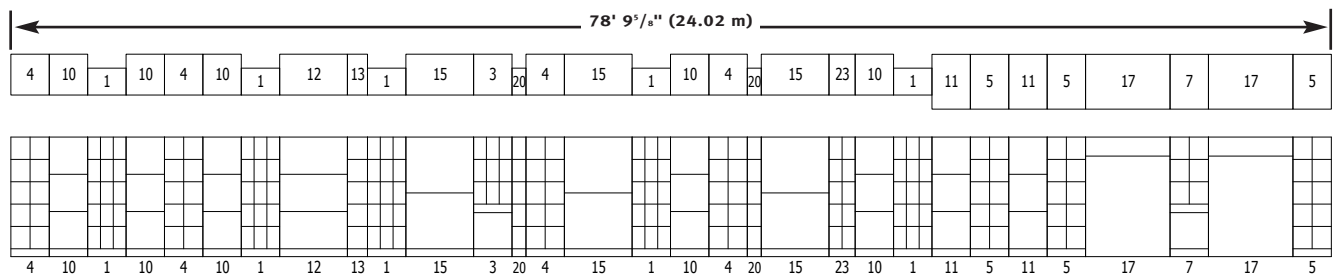
#### 150 Band Instruments



Qty.	Description
4	#1 Cabinet
1	#2 Cabinet
3	#4 Cabinet
2	#5 Cabinet
4	#10 Cabinet
2	#11 Cabinet
1	#12 Cabinet
1	#13 Cabinet
2	#15 Cabinet
2	#17 Cabinet
2	#20 Cabinet
1	#24 Cabinet
25	Total

#### Set B-200

#### 200 Band Instruments



Qty.	Description
5	#1 Cabinet
1	#3 Cabinet
4	#4 Cabinet
3	#5 Cabinet
1	#7 Cabinet
5	#10 Cabinet
2	#11 Cabinet
1	#12 Cabinet
1	#13 Cabinet
3	#15 Cabinet
2	#17 Cabinet
2	#20 Cabinet
1	#23 Cabinet
31	Total

#### NOTES:

1. In an area where soffits are to be constructed above Wenger cabinets, a minimum rough opening height of 7' 6" (2.3 m) is required for cabinet installation.
2. Standard door is left-hand swing. Right-hand swing door is available.
3. Closure panels available.
4. End covers available.

# INSTRUMENT STORAGE

## Typical Drawings

### UltraStor Storage Cabinets and AcoustiCabinets - Orchestra Instruments Suggested Cabinet Sets

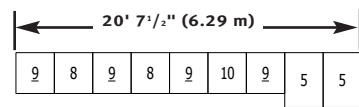
1. The set capacities are based on storing one instrument per compartment.
2. These drawings are not to scale.
3. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available, please contact Wenger.

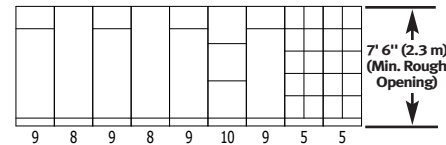
Cabinets shown without doors.

#### Set O-30

##### 30 Orchestra Instruments



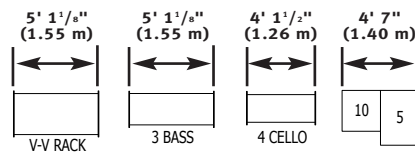
Qty.	Description
2	#5 Cabinet
2	#8 Cabinet
4	#9 Cabinet
1	#10 Cabinet
9	Total



### Alternate suggested cabinet set (with violin/viola, string bass and cello racks).

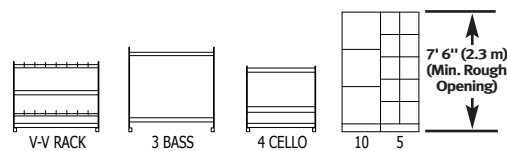
#### Set O-30A

##### 30 Orchestra Instruments



Qty.	Description
1	#5 Cabinet
1	#10 Cabinet
1	3 Unit Bass Rack
1	4 Unit Cello Rack
1	Violin/Viola Rack
5	Total

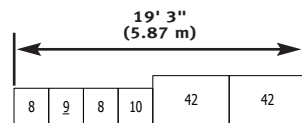
This A Series set substitutes portable string instrument racks for cabinets. This helps to conserve space. These alternate storage sets are available for all the orchestra sets shown.



### Alternate suggested cabinet set (with stringed instrument storage cabinet).

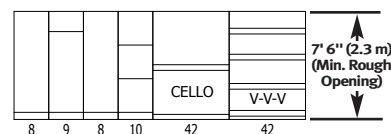
#### Set O-30B

##### 30 Orchestra Instruments



Qty.	Description
2	#8 Cabinet
1	#9 Cabinet
1	#10 Cabinet
1	#42 Cabinet Cello
1	#42 Cabinet V-V-V
6	Total

This B Series set utilizes a #42 stringed instrument storage cabinet for different storage possibilities. These alternate storage sets are available for all the orchestra sets shown.



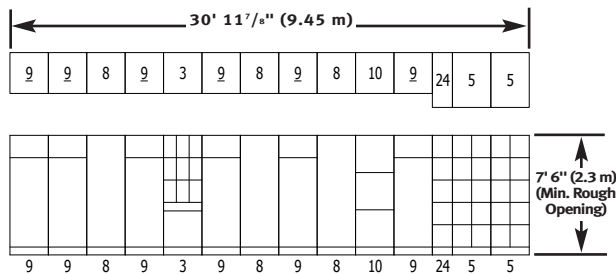
# INSTRUMENT STORAGE

## Typical Drawings

### UltraStor Storage Cabinets and AcoustiCabinets - Orchestra Instruments Suggested Cabinet Sets (continued)

#### Set O-40

#### 40 Orchestra Instruments

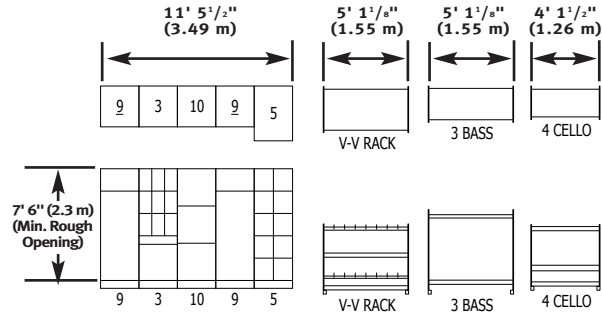


Qty.	Description
1	#3 Cabinet
2	#5 Cabinet
3	#8 Cabinet
6	#9 Cabinet
1	#10 Cabinet
1	#24 Cabinet
14	Total

### Alternate suggested cabinet set (with violin/viola, string bass and cello racks).

#### Set O-40A

#### 40 Orchestra Instruments



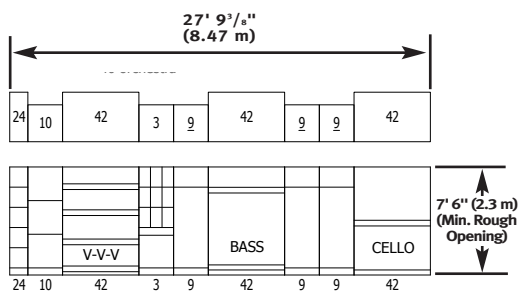
Qty.	Description
1	#3 Cabinet
1	#5 Cabinet
1	#9 Cabinet
1	#10 Cabinet
1	3 Unit Bass Rack
1	4 Unit Cello Rack
1	Violin/Viola Rack
8	Total

This A Series set substitutes portable string instrument racks for cabinets. This helps to conserve space. These alternate storage sets are available for all the orchestra sets shown.

### Alternate suggested cabinet set (with stringed instrument storage cabinet).

#### Set O-40B

#### 40 Orchestra Instruments



Qty.	Description
1	#3 Cabinet
3	#9 Cabinet
1	#10 Cabinet
1	#24 Cabinet
1	#42 Cabinet Bass
1	#42 Cabinet Cello
1	#42 Cabinet V-V-V
9	Total

This B Series set utilizes a #42 stringed instrument storage cabinet for different storage possibilities. These alternate storage sets are available for all the orchestra sets shown.

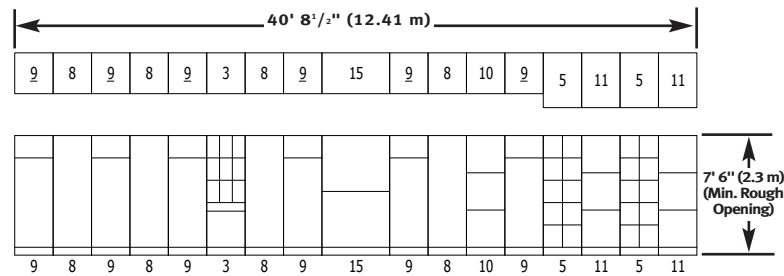
# INSTRUMENT STORAGE

## Typical Drawings

### UltraStor Storage Cabinets and AcoustiCabinets - Orchestra Instruments Suggested Cabinet Sets (continued)

#### Set O-50

50 Orchestra Instruments

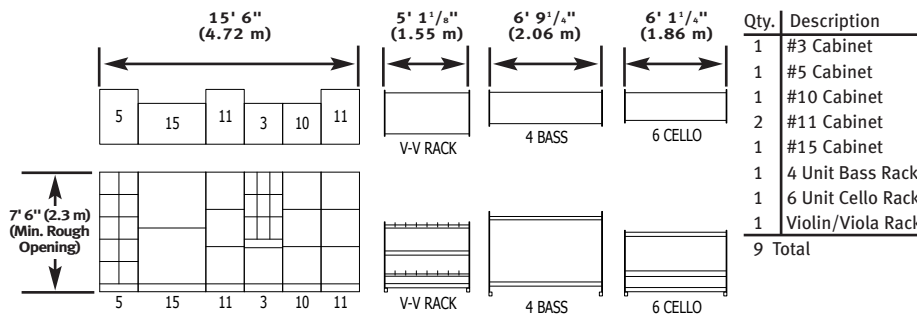


Qty.	Description
1	#3 Cabinet
2	#5 Cabinet
4	#8 Cabinet
6	#9 Cabinet
1	#10 Cabinet
2	#11 Cabinet
1	#15 Cabinet
17	Total

### Alternate suggested cabinet set (with violin/viola, string bass and cello racks).

#### Set O-50A

50 Orchestra Instruments



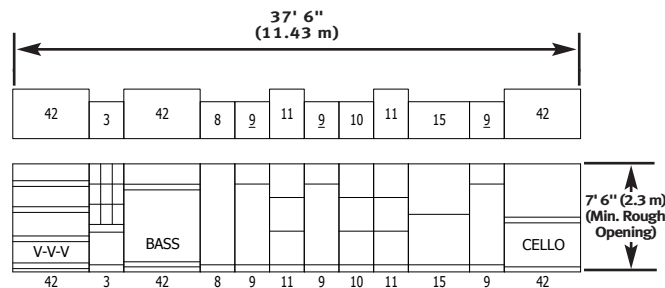
Qty.	Description
1	#3 Cabinet
1	#5 Cabinet
1	#10 Cabinet
2	#11 Cabinet
1	#15 Cabinet
1	4 Unit Bass Rack
1	6 Unit Cello Rack
1	Violin/Viola Rack
9	Total

This A Series set substitutes portable string instrument racks for cabinets. This helps to conserve space. These alternate storage sets are available for all the orchestra sets shown.

### Alternate suggested cabinet set (with stringed instrument storage cabinet).

#### Set O-50B

30 Orchestra Instruments



Qty.	Description
1	#3 Cabinet
1	#8 Cabinet
3	#9 Cabinet
1	#10 Cabinet
2	#11 Cabinet
1	#15 Cabinet
1	#42 Cabinet Bass
1	#42 Cabinet Cello
1	#42 Cabinet V-V-V
12	Total

This B Series set utilizes a #42 stringed instrument storage cabinet for different storage possibilities. These alternate storage sets are available for all the orchestra sets shown.

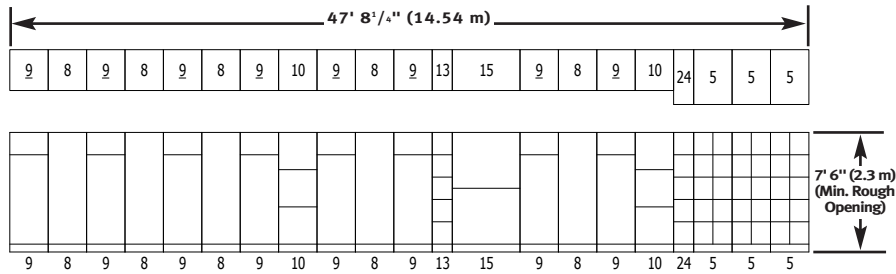
# INSTRUMENT STORAGE

## Typical Drawings

### UltraStor Storage Cabinets and AcoustiCabinets - Orchestra Instruments Suggested Cabinet Sets (continued)

#### Set O-60

60 Orchestra Instruments

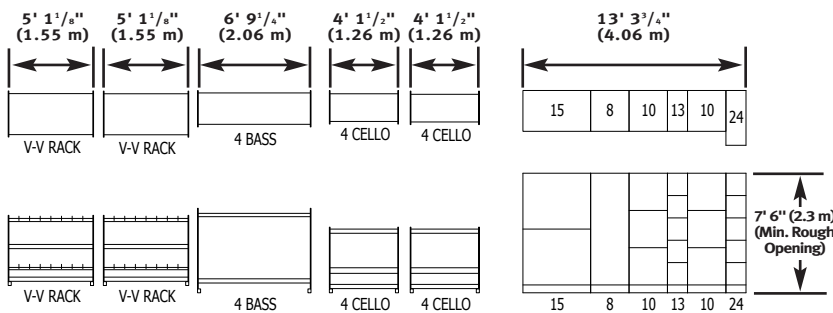


Qty.	Description
3	#5 Cabinet
5	#8 Cabinet
8	#9 Cabinet
2	#10 Cabinet
1	#13 Cabinet
1	#15 Cabinet
1	#24 Cabinet
21	Total

#### Alternate suggested cabinet set (with violin/viola, string bass and cello racks).

#### Set O-60A

60 Orchestra Instruments



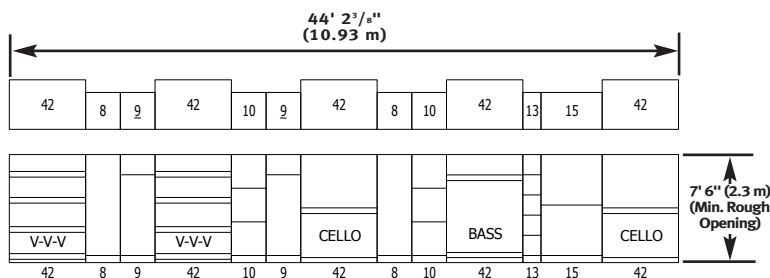
Qty.	Description
1	#8 Cabinet
2	#10 Cabinet
1	#13 Cabinet
1	#15 Cabinet
1	#24 Cabinet
1	4 Unit Bass Rack
2	4 Unit Cello Rack
2	Violin/Viola Rack
11	Total

This A Series set substitutes portable string instrument racks for cabinets. This helps to conserve space. These alternate storage sets are available for all the orchestra sets shown.

#### Alternate suggested cabinet set (with stringed instrument storage cabinet).

#### Set O-60B

60 Orchestra Instruments



Qty.	Description
2	#8 Cabinet
2	#9 Cabinet
2	#10 Cabinet
1	#13 Cabinet
1	#15 Cabinet
1	#42 Cabinet Bass
2	#42 Cabinet Cello
2	#42 Cabinet V-V-V
13	Total

This B Series set utilizes a #42 stringed instrument storage cabinet for different storage possibilities. These alternate storage sets are available for all the orchestra sets shown.



## Application Information

### Edge™ Storage System

With its open-back, shared-column design, new Edge gives you the versatility of built-in storage — but with Wenger quality at an exceptionally streamlined price. With no back panel and fewer separation panels, GREENGUARD-certified Edge lowers your cost and the impact on the environment.

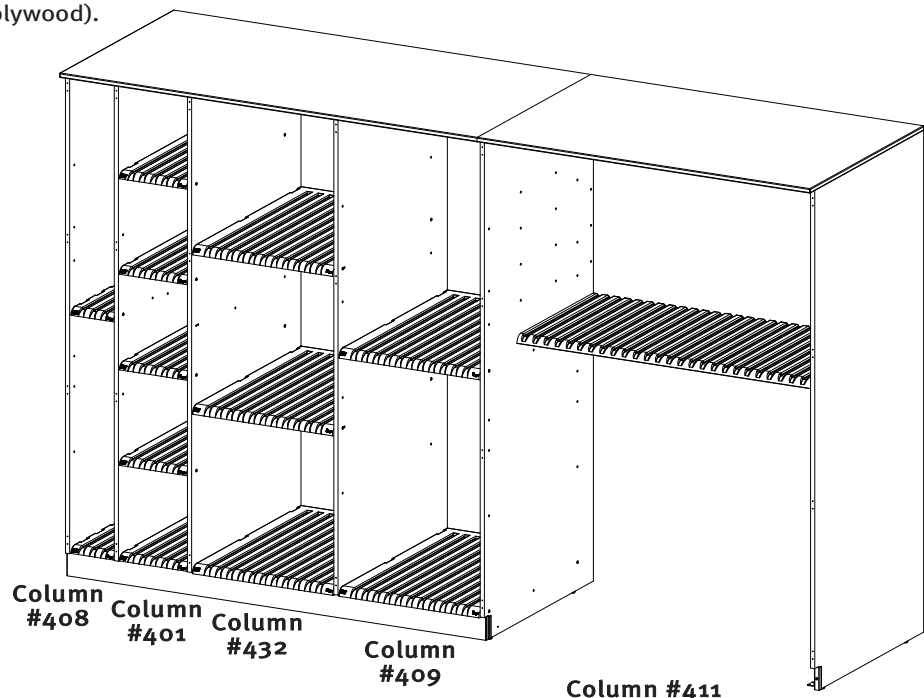
The innovative design is made with the same construction processes and many of the same performance features as Wenger UltraStor, and the continuous add-on design makes it easy to store exactly what you inventory today and still perfectly adapt to tomorrow's needs.

#### PERFORMANCE REQUIREMENTS

- An array of columns tailored to different storage needs.
- Choice of solid doors, straight grille doors or no doors.
- Edging is 1/8" (3 mm) radius PVC.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to musical instrument, equipment, and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 84" (213.36 cm) and 68" (172.72 cm) heights available to meet your students' needs.  
Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.




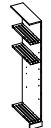

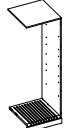

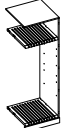




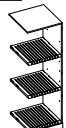
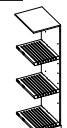

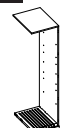
#### CONSTRUCTION

- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Optional compartment doors available in right or left-hand swing include heavy-duty 5-knuckle institutional ANSI/BHMA A156.9, Grade 1 hinge with a metal to metal connection to an aluminum extrusion.
- Columns have four adjustable steel support feet for uneven floors.
- Optional compartment doors can be secured using standard padlocks with 3/8" (10 mm) maximum diameter x 1 3/8" (35 mm) wide shackle (padlocks not included).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools™ Certified.
- Available in several core substrates to meet your specific needs:  
fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ships ready to assemble.
- Ten-year warranty.



## Application Information

### Cabinet Specifications - Edge Storage System

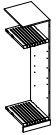
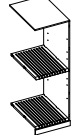

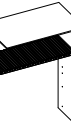





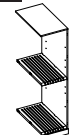


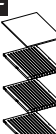
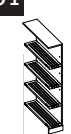

<p><b>200</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 19<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (22 x 50 x 217 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm)</p>	<p><b>304</b></p>  <p>47<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (120 x 76 x 217 cm) Stores 2 Bass Drums, Field Drums, Snare Drums, Parade Drums, Tri-Toms, Quads, Tubas, or Sousaphones (bell detached). Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 37"h (118 x 70 x 94 cm)</p>
<p><b>230</b></p>  <p>6<sup>3</sup>/<sub>4</sub>"w x 19<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (17 x 50 x 217 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 6"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (15 x 44 x 37 cm)</p>	<p><b>305</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (22 x 76 x 217 cm) Stores 1 Guitar and 2 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm) 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 48<sup>1</sup>/<sub>4</sub>"h (20 x 70 x 122 cm)</p>
<p><b>240</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 19<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (22 x 50 x 177 cm) Stores 4 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 44 x 37 cm)</p>	<p><b>306</b></p>  <p>26<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (67 x 76 x 217 cm) Stores 1 String Bass, Contra Bass Clarinet, Bass Drum, or use for general storage. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 78<sup>1</sup>/<sub>2</sub>"h (65 x 70 x 199 cm)</p>
<p><b>250</b></p>  <p>6<sup>3</sup>/<sub>4</sub>"w x 19<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (17 x 50 x 177 cm) Stores 4 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 6"w x 17<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (15 x 44 x 37 cm)</p>	<p><b>307</b></p>  <p>26<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (67 x 76 x 217 cm) Stores 1 Cello or Guitar and 1 Snare Drum, or use for general storage. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (65 x 70 x 37 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 61<sup>7</sup>/<sub>8</sub>"h (65 x 70 x 157 cm)</p>
<p><b>300</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (22 x 76 x 217 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 8"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm)</p>	<p><b>330</b></p>  <p>6<sup>3</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (17 x 76 x 217 cm) Stores 5 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 6"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (15 x 70 x 37 cm)</p>
<p><b>301</b></p>  <p>13<sup>1</sup>/<sub>8</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (33 x 76 x 217 cm) Stores 5 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm)</p>	<p><b>331</b></p>  <p>10<sup>1</sup>/<sub>8</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (26 x 76 x 217 cm) Stores 5 Trumpets, Cornets, or Alto Saxophones. Compartments: 9<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (24 x 70 x 37 cm)</p>
<p><b>302</b></p>  <p>26<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (67 x 76 x 217 cm) Stores 3 French Horns, Alto Horns, or Snare Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (65 x 70 x 64 cm)</p>	<p><b>332</b></p>  <p>20<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (51 x 76 x 217 cm) Stores 3 French Horns, Alto Horns, or Snare Drums Compartments: 19<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 25"h (50 x 70 x 64 cm)</p>
<p><b>303</b></p>  <p>47<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (120 x 76 x 217 cm) Stores 3 Baritone Saxophones, Bass Clarinets, Bassoons, Field Drums, Snare Drums, or use for general storage. Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 23<sup>3</sup>/<sub>4</sub>"h (118 x 70 x 60 cm)</p>	<p><b>333</b></p>  <p>20<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (51 x 76 x 217 cm) Stores 1 String Bass, Contra Bass Clarinet, Bass Drum, or use for general storage. Compartments: 19<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 78<sup>1</sup>/<sub>2</sub>"h (50 x 70 x 199 cm)</p>

Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create an instrument storage layout using the most suitable cabinets.

Edge Storage Systems are shown without doors and only one wall panel to demonstrate the system builds into the next one. Dimensions listed do not include the final wall of the system which will add <sup>3</sup>/<sub>4</sub>" (2 cm) to the overall width.

## Application Information

### Cabinet Specifications - Edge Storage System

<p><b>334</b></p>  <p>20<sup>1</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (51 x 76 x 217 cm) Stores 1 Cello or Guitar and 1 Snare Drum, or use for general storage. Compartments: 19<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (50 x 70 x 37 cm) 19<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 61<sup>7</sup>/<sub>8</sub>"h (50 x 70 x 157 cm)</p>	<p><b>409</b></p>  <p>26<sup>1</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (67 x 101 x 217 cm) Stores 2 Bass Drums, Field Drums, Snare Drums, or Parade Drums. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 37<sup>3</sup>/<sub>8</sub>"h (65 x 95 x 95 cm)</p>
<p><b>340</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (22 x 76 x 177 cm) Stores 4 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 6" w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (20 x 70 x 37 cm)</p>	<p><b>411</b></p>  <p>59<sup>1</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (150 x 101 x 217 cm) Stores 1 Timpani, Chimes, Small Vibes and Xylophones, Marimbas and Gongs. Compartments: 58<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 83<sup>1</sup>/<sub>4</sub>"h (149 x 95 x 211 cm)</p>
<p><b>341</b></p>  <p>13<sup>1</sup>/<sub>8</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (33 x 76 x 177 cm) Stores 4 Trumpets, Cornets, or Alto Saxophones. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 70 x 37 cm)</p>	<p><b>431</b></p>  <p>10<sup>1</sup>/<sub>8</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (24 x 101 x 217 cm) Stores 5 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 9<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (24 x 95 x 37 cm)</p>
<p><b>350</b></p>  <p>6<sup>3</sup>/<sub>4</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (17 x 76 x 177 cm) Stores 4 Clarinets, Flutes, Piccolos, or Oboes. Compartments: 6" w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (15 x 70 x 37 cm)</p>	<p><b>432</b></p>  <p>20<sup>1</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (51 x 101 x 217 cm) Stores 3 Baritones, Euphoniums, or Mellophones. Compartments: 19<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 25" h (50 x 95 x 64 cm)</p>
<p><b>351</b></p>  <p>10<sup>1</sup>/<sub>8</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (26 x 76 x 177 cm) Stores 4 Trumpets, Cornets, or Alto Saxophones. Compartments: 9<sup>3</sup>/<sub>8</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (24 x 70 x 37 cm)</p>	<p><b>435</b></p>  <p>20<sup>1</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (51 x 101 x 217 cm) Stores 2 Bass Drums, Field Drums, Snare Drums, or Parade Drums. Compartments: 19<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 37<sup>3</sup>/<sub>8</sub>"h (50 x 95 x 95 cm)</p>
<p><b>401</b></p>  <p>13<sup>1</sup>/<sub>8</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (33 x 101 x 217 cm) Stores 5 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm)</p>	<p><b>441</b></p>  <p>13<sup>1</sup>/<sub>8</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (33 x 101 x 177 cm) Stores 4 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 12<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (31 x 95 x 37 cm)</p>
<p><b>402</b></p>  <p>26<sup>1</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (67 x 101 x 217 cm) Stores 3 Baritones, Euphoniums, or Mellophones. Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 25" h (65 x 95 x 64 cm)</p>	<p><b>451</b></p>  <p>10<sup>1</sup>/<sub>8</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 69<sup>3</sup>/<sub>4</sub>"h (24 x 101 x 177 cm) Stores 4 Trombones, Bassoons, Bass Clarinets, Violins, Violas, Tenor Saxophones, or Alto Clarinets. Compartments: 9<sup>3</sup>/<sub>8</sub>"w x 37<sup>3</sup>/<sub>8</sub>"d x 14<sup>5</sup>/<sub>8</sub>"h (24 x 95 x 37 cm)</p>
<p><b>408</b></p>  <p>8<sup>3</sup>/<sub>4</sub>"w x 39<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (22 x 101 x 217 cm) Stores 2 Acoustic Guitars. Compartments: 8" w x 37<sup>3</sup>/<sub>8</sub>"d x 38<sup>1</sup>/<sub>4</sub>"h (20 x 90 x 97 cm)</p>	

Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create an instrument storage layout using the most suitable cabinets.  
Edge Storage Systems are shown without doors and only one wall panel to demonstrate the system builds into the next one. Dimensions listed do not include the final wall of the system which will add <sup>3</sup>/<sub>4</sub>" (2 cm) to the overall width.

# INSTRUMENT STORAGE

## Typical Drawings

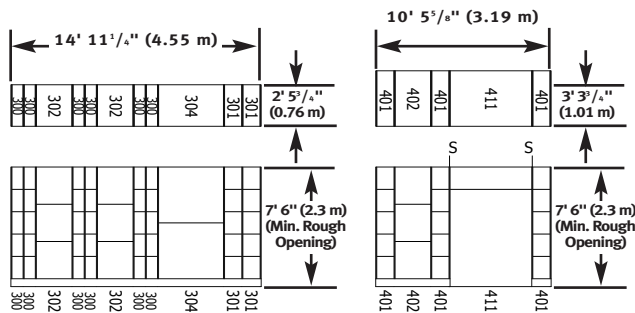
### Edge Storage System - Band Instruments Suggested Column Sets

1. The set capacities are based on storing one instrument per compartment.
2. These drawings are not to scale.
3. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available, please contact Wenger.  
Cabinets shown without doors.

#### Set B-60

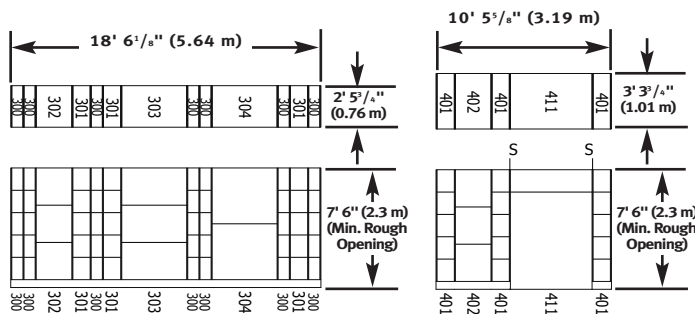
##### 60 Band Instruments



Qty.	Description
6	#300 Column
2	#301 Column
2	#302 Column
1	#304 Column
3	#401 Column
1	#402 Column
1	#411 Column
16	Total

#### Set B-70

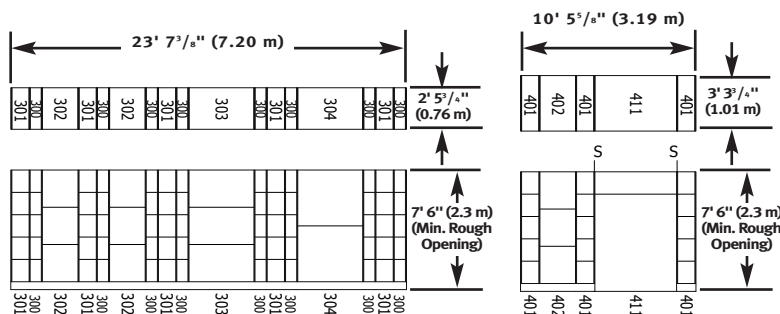
##### 70 Band Instruments



Qty.	Description
7	#300 Column
3	#301 Column
1	#302 Column
1	#303 Column
1	#304 Column
1	#300 Column
3	#401 Column
1	#402 Column
1	#411 Column
18	Total

#### Set B-85

##### 85 Band Instruments



Qty.	Description
8	#300 Column
5	#301 Column
2	#302 Column
1	#303 Column
1	#304 Column
1	#301 Column
3	#401 Column
1	#402 Column
1	#411 Column
22	Total

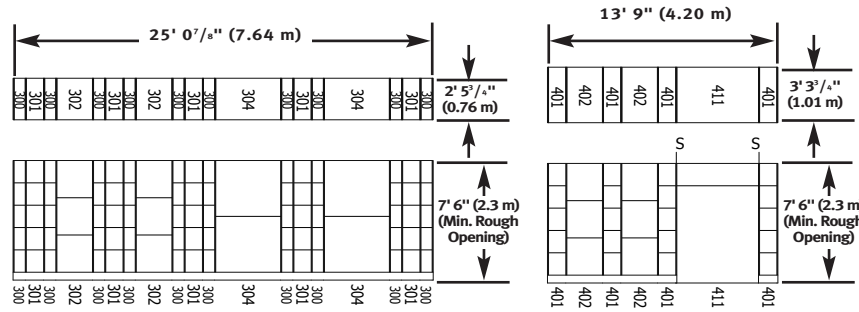
# INSTRUMENT STORAGE

## Typical Drawings

### Edge Storage System - Band Instruments Suggested Column Sets (continued)

#### Set B-100

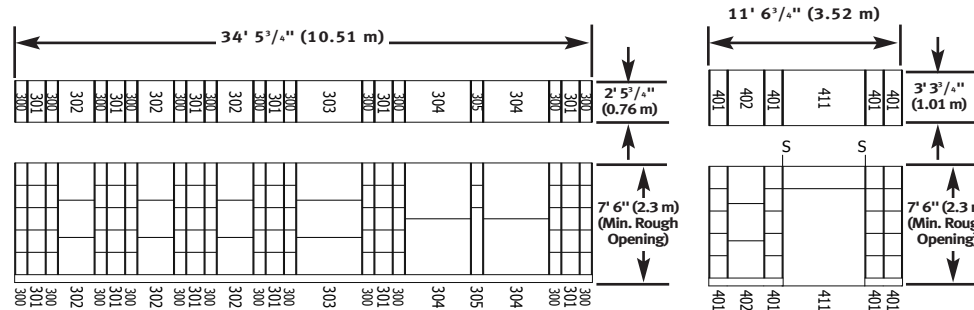
##### 100 Band Instruments



Qty.	Description
10	#300 Column
5	#301 Column
2	#302 Column
2	#304 Column
4	#401 Column
2	#402 Column
1	#411 Column
26	Total

#### Set B-120

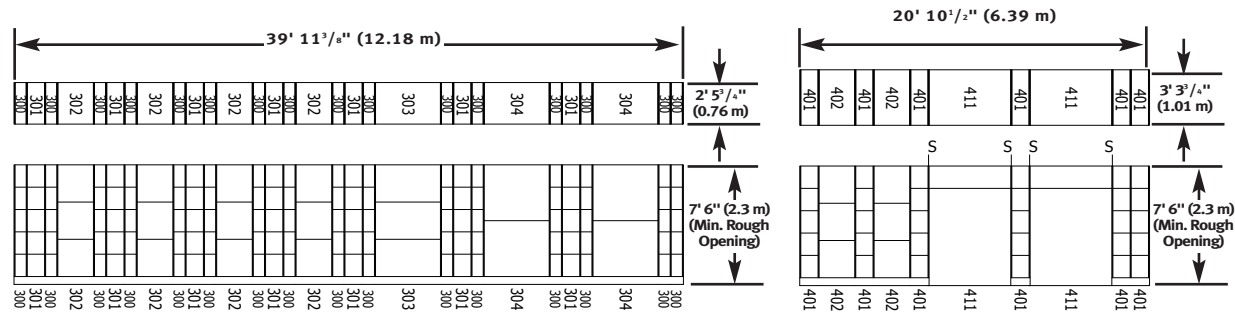
##### 120 Band Instruments



Qty.	Description
12	#300 Column
6	#301 Column
3	#302 Column
1	#303 Column
2	#304 Column
1	#305 Column
4	#401 Column
1	#402 Column
1	#411 Column
31	Total

#### Set B-150

##### 150 Band Instruments



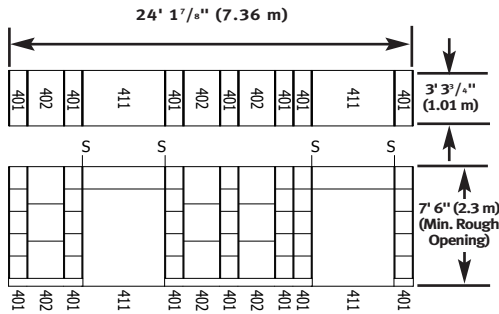
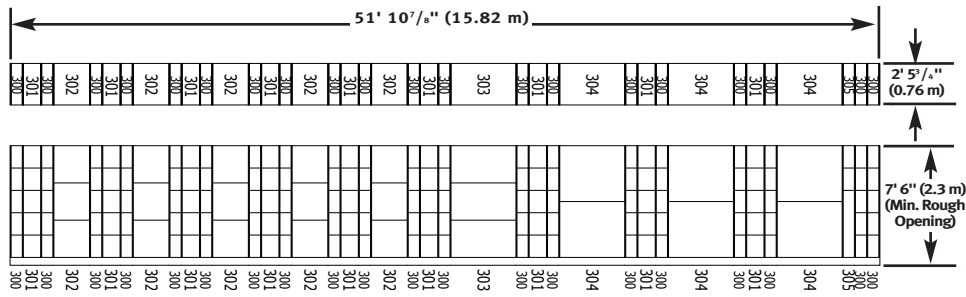
Qty.	Description
16	#300 Column
7	#301 Column
4	#302 Column
1	#303 Column
2	#304 Column
6	#401 Column
2	#402 Column
2	#411 Column
40	Total

# INSTRUMENT STORAGE

## Typical Drawings

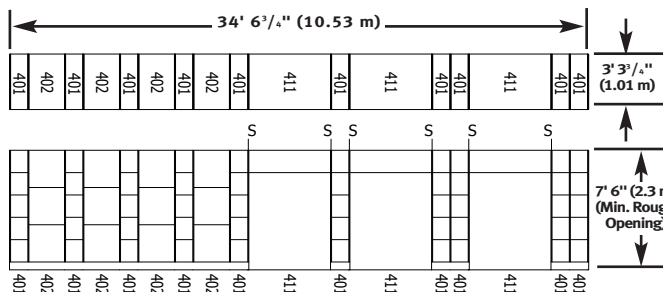
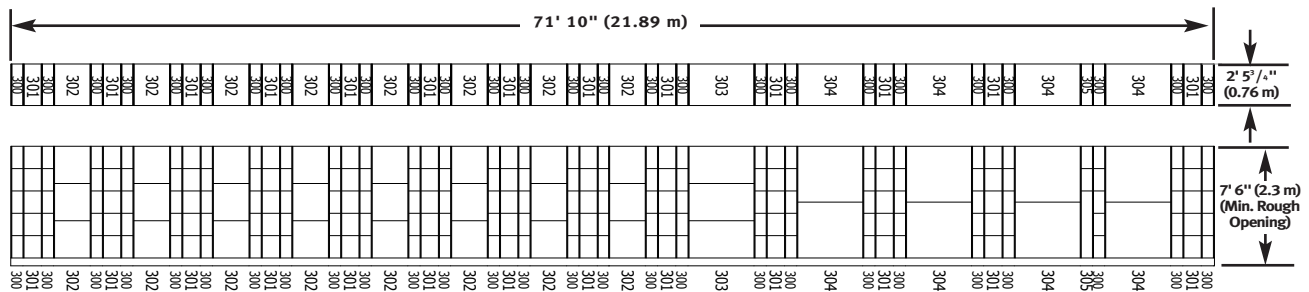
### Edge Storage System - Band Instruments Suggested Column Sets (continued)

#### Set B-200 200 Band Instruments



Qty.	Description
20	#300 Column
9	#301 Column
5	#302 Column
1	#303 Column
3	#304 Column
1	#305 Column
7	#401 Column
3	#402 Column
2	#411 Column
51	Total

#### Set B-275 275 Band Instruments



Qty.	Description
27	#300 Column
13	#301 Column
8	#302 Column
1	#303 Column
4	#304 Column
1	#305 Column
10	#401 Column
4	#402 Column
3	#411 Column
71	Total

#### NOTES:

1. In an area where soffits are to be constructed above Wenger cabinets, a minimum rough opening height of 7' 6" (2.3 m) is required for cabinet installation.
2. Standard door is left-hand swing. Right-hand swing door is available on full banks.

# INSTRUMENT STORAGE

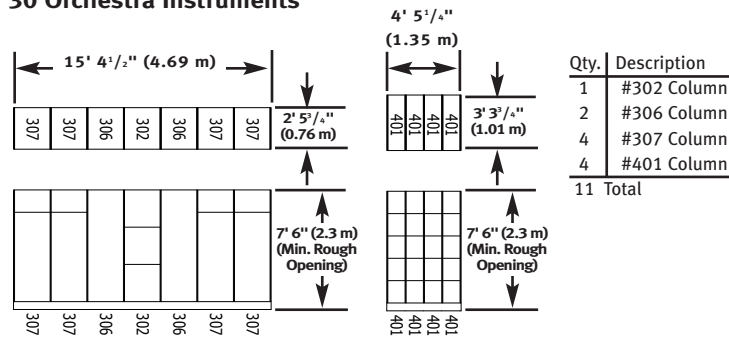
## Typical Drawings

### Edge Storage System - Orchestra Instruments Suggested Cabinet Sets

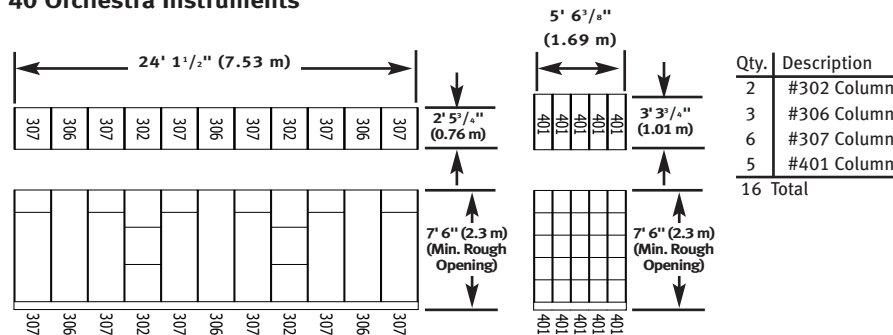
1. The set capacities are based on storing one instrument per compartment.
2. These drawings are not to scale.
3. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available, please contact Wenger.  
Cabinets shown without doors.

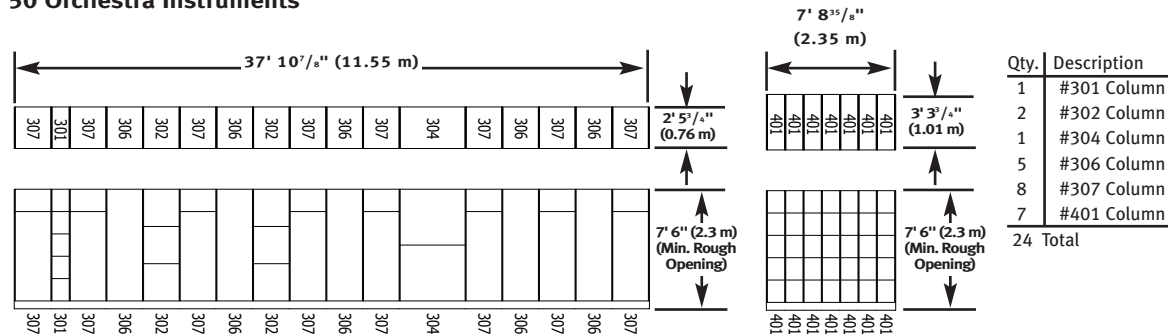
#### Set O-30 30 Orchestra Instruments



#### Set O-40 40 Orchestra Instruments



#### Set O-50 50 Orchestra Instruments

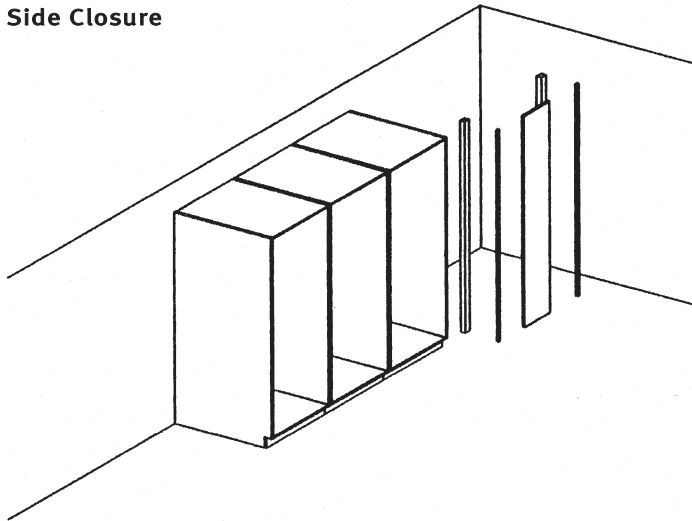


#### NOTES:

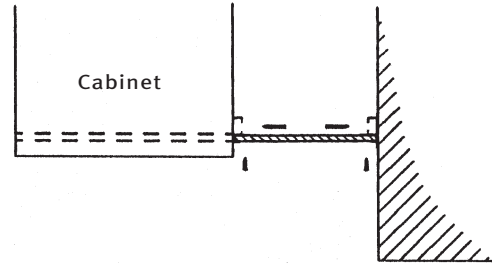
1. In an area where soffits are to be constructed above Wenger cabinets, a minimum rough opening height of 7' 6" (2.3 m) is required for cabinet installation.
2. Standard door is left-hand swing.

## Cabinet Accessories - UltraStor Storage Cabinets

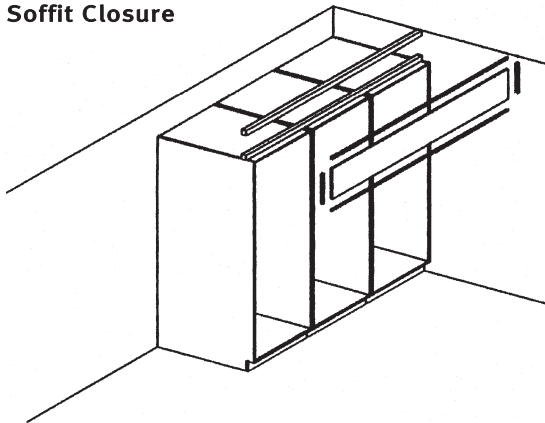
Side Closure



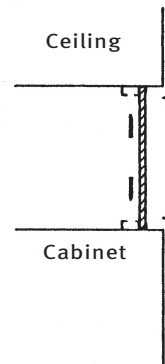
Attachment Detail



Soffit Closure

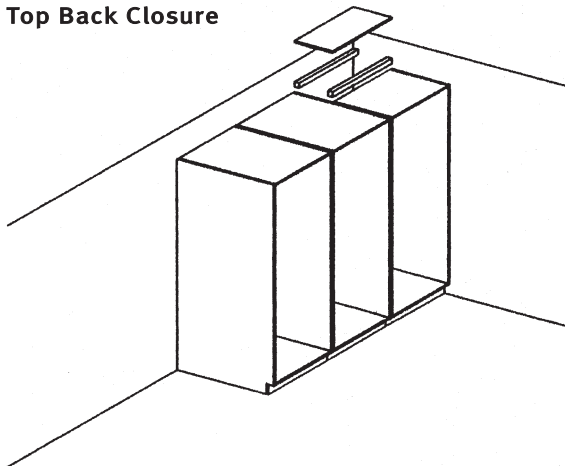


Attachment Detail

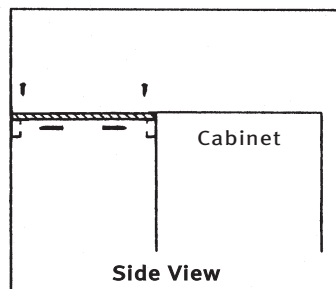


Side View

Top Back Closure



Attachment Detail

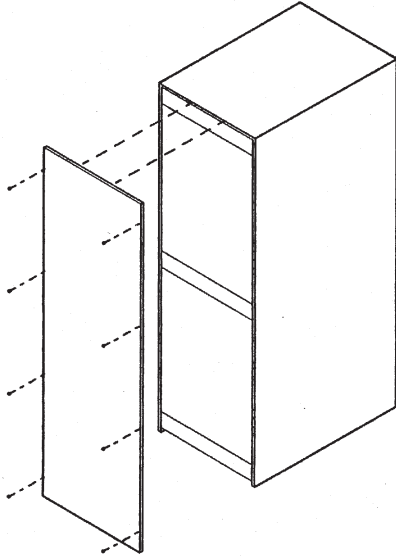


Side View



## Cabinet Accessories

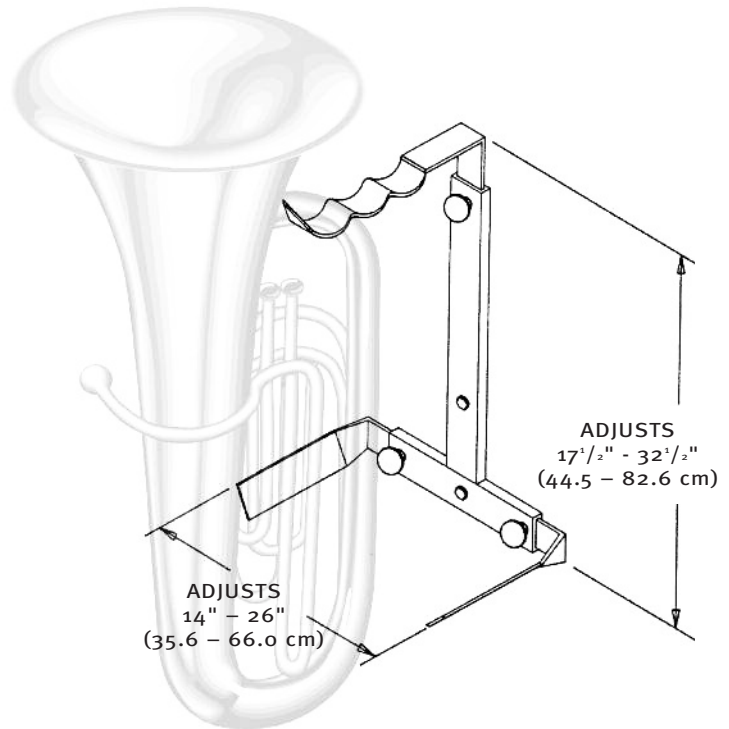
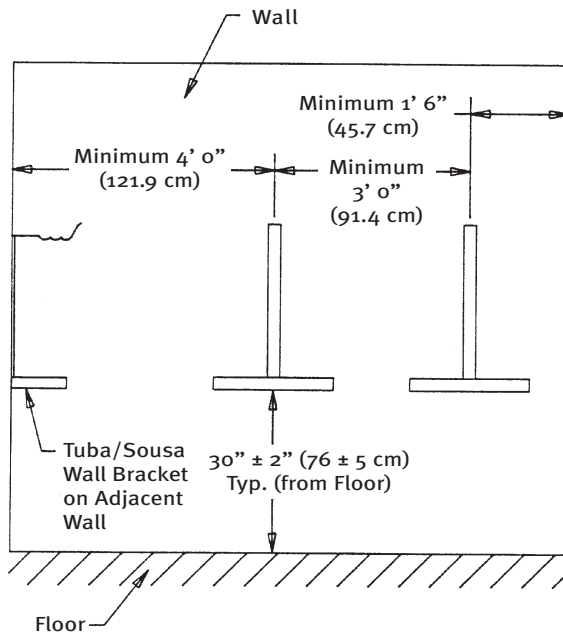
### Finished Exterior Back Panel



#### Notes:

1. For installations that require an exposed exterior back to the cabinet, finished back panels securely attach to cabinets. The finished exterior back panel is  $\frac{3}{4}$ " (1.9 cm) thick and is available for all standard cabinet widths in 48" (122 cm) or less.
2. The panel standard color is available to match Wenger standard color options.

### Tuba/Sousaphone Wall Bracket






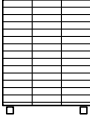

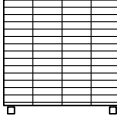

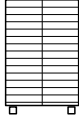

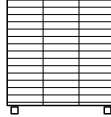



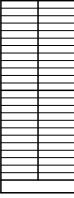




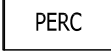
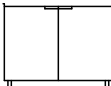

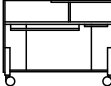

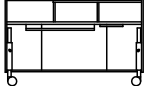
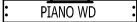

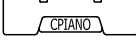

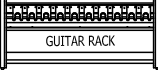
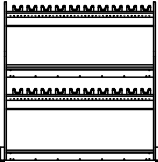

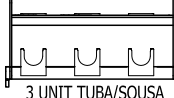

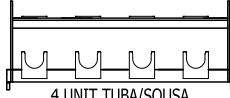
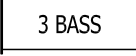
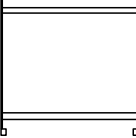
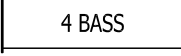
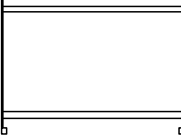

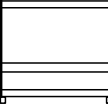

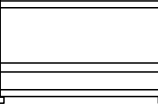
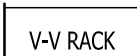
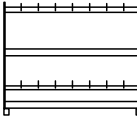
#### Notes:

1. When mounting Tuba/Sousa wall bracket on adjacent walls, a minimum distance of 4' (122 cm) from end of wall is required.
2. When mounting Tuba/Sousa wall bracket from end of wall, a minimum distance of 1' 6" (46 cm) is required.
3. Tuba/Sousa wall bracket should be placed 28" to 32" (71 cm to 81 cm) off floor.
4. Does not fit Miraphone Tubas, Baritone Horns or Rotary Valve Tubas.
5. 1" x 12" x 24" (2.5 x 30.5 x 61 cm) board required to mount to sheet rock walls.
6. Assembly required.
7. To verify the fit of an instrument, contact Wenger with the make and model.

# INSTRUMENT STORAGE

## Portable Storage Symbols

Symbols are available upon request. Contact Wenger for more information.

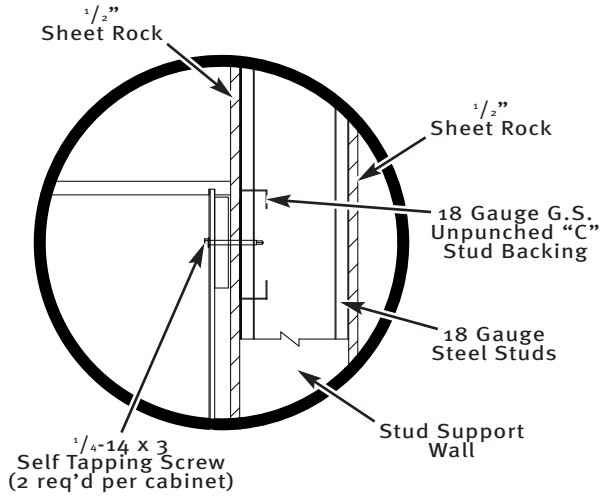
  <b>CHRL</b> 2 Column Mobile Choral Folio Cabinet 26 <sup>1</sup> / <sub>2</sub> "w x 17 <sup>3</sup> / <sub>8</sub> "d x 50 <sup>7</sup> / <sub>8</sub> "h (68 x 45 x 129 cm)	  <b>CHORAL</b> 3 Column Mobile Choral Folio Cabinet 39 <sup>7</sup> / <sub>8</sub> "w x 17 <sup>3</sup> / <sub>8</sub> "d x 50 <sup>7</sup> / <sub>8</sub> "h (100 x 45 x 129 cm)	  <b>CHORAL</b> 4 Column Mobile Choral Folio Cabinet 51 <sup>3</sup> / <sub>4</sub> "w x 17 <sup>3</sup> / <sub>8</sub> "d x 50 <sup>7</sup> / <sub>8</sub> "h (131 x 45 x 129 cm)	  <b>BND/ORC</b> 2 Column Mobile Band/Orchestra Folio Cabinet 32 <sup>1</sup> / <sub>8</sub> "w x 17 <sup>3</sup> / <sub>8</sub> "d x 50 <sup>7</sup> / <sub>8</sub> "h (83 x 45 x 129 cm)	  <b>BND/ORC</b> 3 Column Mobile Band/Orchestra Folio Cabinet 47 <sup>3</sup> / <sub>4</sub> "w x 17 <sup>3</sup> / <sub>8</sub> "d x 50 <sup>7</sup> / <sub>8</sub> "h (121 x 45 x 129 cm)		
  <b>CHRL</b> Tall Choral Folio Cabinet 26 <sup>1</sup> / <sub>2</sub> "w x 19 <sup>1</sup> / <sub>4</sub> "d x 84 <sup>1</sup> / <sub>4</sub> "h (68 x 49 x 214 cm)	  <b>BND/ORC</b> Tall Band/Orchestra Folio Cabinet 32 <sup>3</sup> / <sub>8</sub> "w x 19 <sup>1</sup> / <sub>4</sub> "d x 84 <sup>1</sup> / <sub>4</sub> "h (82 x 49 x 214 cm)	  <b>SC</b> Stereo Cabinet 21 <sup>5</sup> / <sub>8</sub> "w x 18"d x 40 <sup>5</sup> / <sub>8</sub> "h (55 x 46 x 103 cm)	  <b>STRO</b> Stereo Workstation 24"w x 42"d x 45 <sup>1</sup> / <sub>2</sub> "h (61 x 107 x 116 cm)	  <b>PERC</b> Percussion Workstation 24 <sup>1</sup> / <sub>2</sub> "w x 48 <sup>1</sup> / <sub>8</sub> "d x 35 <sup>1</sup> / <sub>4</sub> "h (62 x 122 x 91 cm)	  <b>LAB</b> Music Lab Workstation 48"w x 32"d x 39"h (122 x 81 x 99 cm)	  <b>EXP LAB</b> Expanded Music Lab Workstation 61 <sup>1</sup> / <sub>2</sub> "w x 32"d x 39"h (156 x 81 x 99 cm)
  <b>PIANO WD</b> Piano Work Desk 59 <sup>1</sup> / <sub>2</sub> "w x 10"d (150 x 25 cm)	  <b>CPIANO</b> Class Piano Workstation 60"w x 18"d x 5"h (152 x 46 x 13 cm)	  <b>GUITAR RACK</b> Guitar Rack 65 <sup>1</sup> / <sub>4</sub> "w x 29 <sup>1</sup> / <sub>2</sub> "d x 72"h (167 x 75 x 183 cm)	  <b>3 UNIT TUBA/SOUSA</b> 3-Unit Tuba/Sousaphone Rack 77 <sup>1</sup> / <sub>2</sub> "w x 32"d x 39 <sup>1</sup> / <sub>2</sub> "h (196 x 81 x 100 cm)	  <b>4 UNIT TUBA/SOUSA</b> 4-Unit Tuba/Sousaphone Rack 101 <sup>1</sup> / <sub>4</sub> "w x 32"d x 39 <sup>1</sup> / <sub>2</sub> "h (257 x 81 x 100 cm)		
  <b>3 BASS</b> 3-Unit String Bass Rack 61"w x 26"d x 60 <sup>1</sup> / <sub>2</sub> "h (155 x 66 x 154 cm)	  <b>4 BASS</b> 4-Unit String Bass Rack 80 <sup>1</sup> / <sub>2</sub> "w x 26"d x 60 <sup>1</sup> / <sub>2</sub> "h (205 x 66 x 154 cm)	  <b>4 CELLO</b> 4-Unit Cello Rack 49 <sup>3</sup> / <sub>8</sub> "w x 24"d x 47"h (125 x 61 x 119 cm)	  <b>6 CELLO</b> 6-Unit Cello Rack 73 <sup>3</sup> / <sub>8</sub> "w x 24"d x 47"h (186 x 61 x 119 cm)	  <b>V-V RACK</b> Violin/Viola Rack 61"w x 33"d x 50 <sup>1</sup> / <sub>4</sub> "h (155 x 84 x 128 cm)		

# INSTRUMENT STORAGE

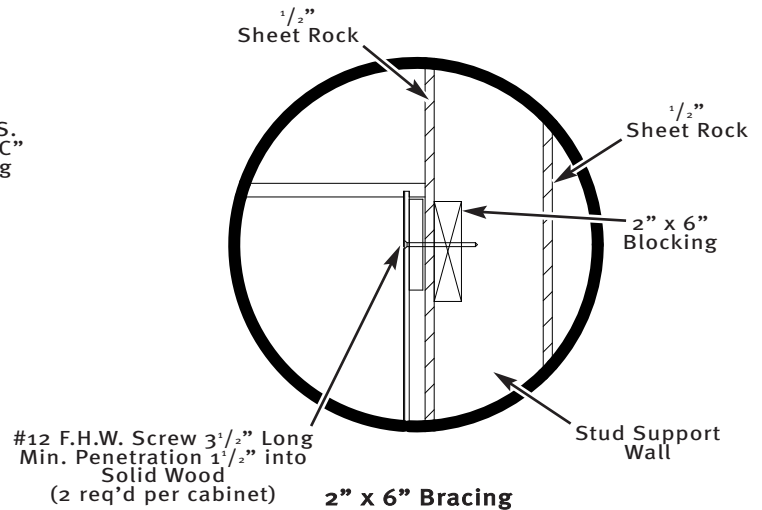
## Application Information

### Seismic Applications

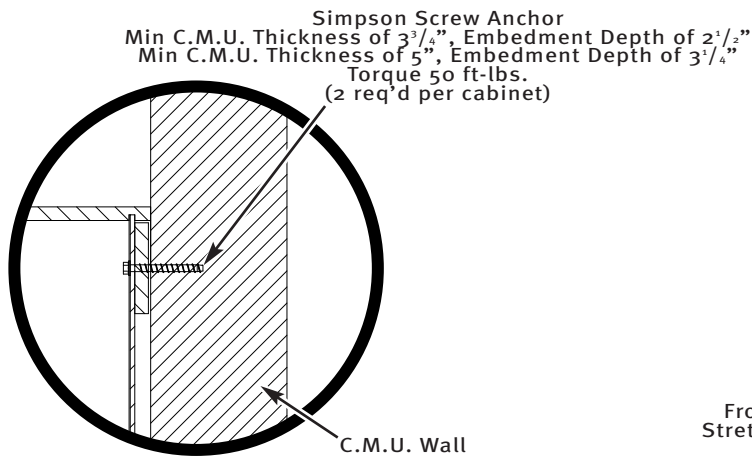
#### UltraStor™



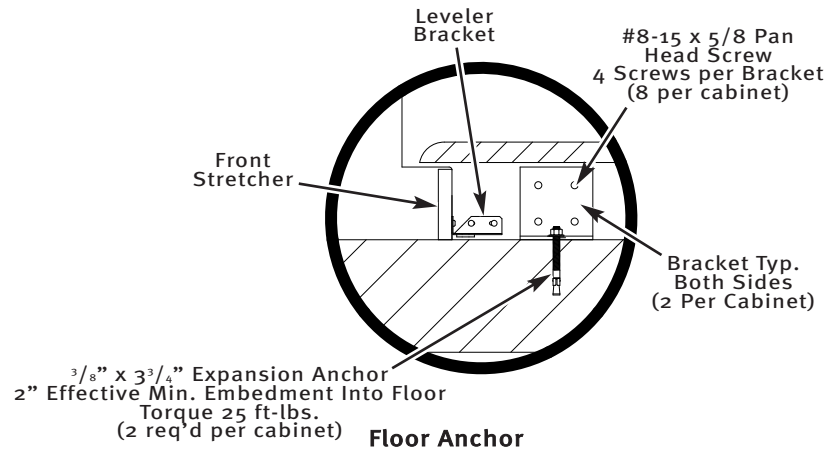
**Metal Stud Bracing**



**2" x 6" Bracing**



**Wall Anchor  
C.M.U. Bracing**

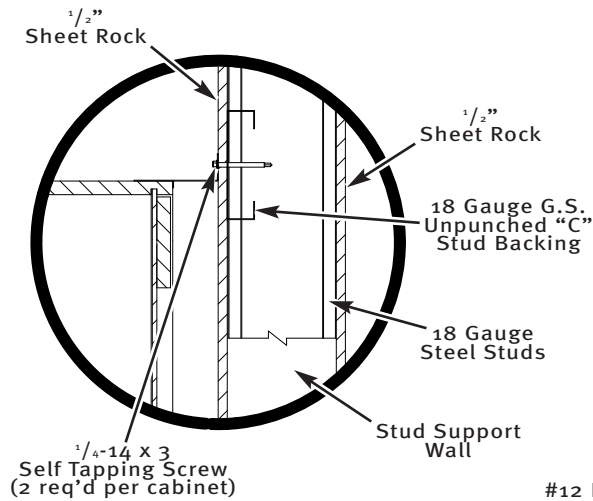


**Floor Anchor**

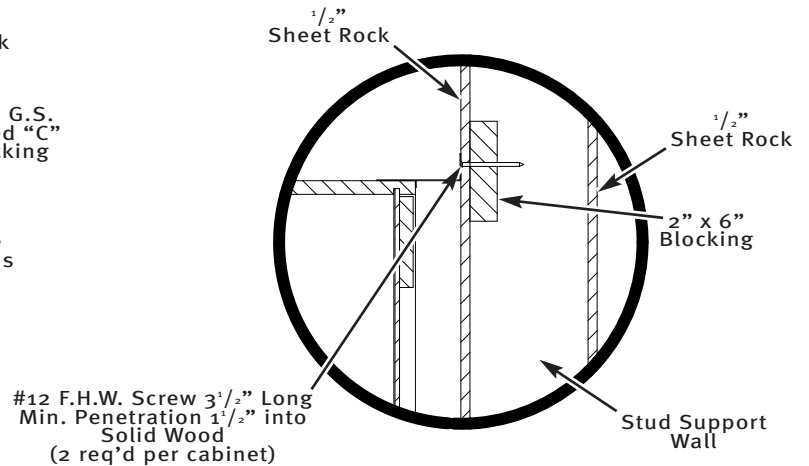
## Application Information

### Seismic Applications

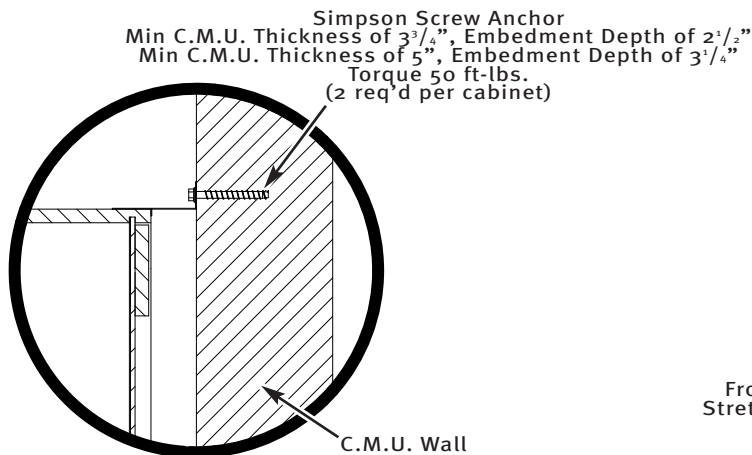
#### AcoustiCabinets™



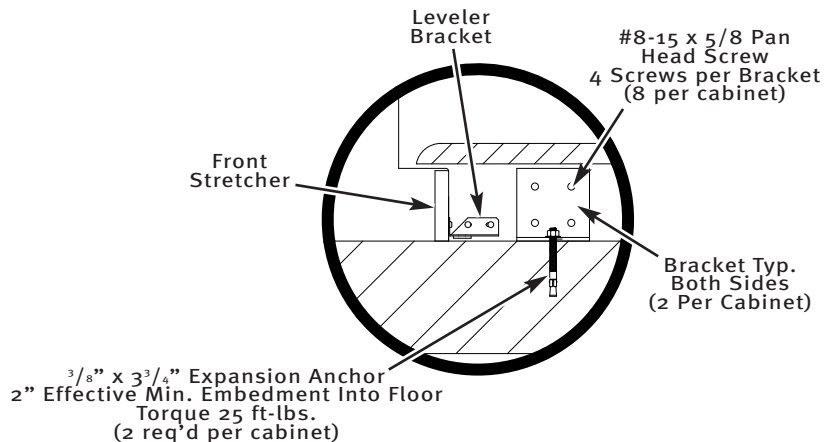
**Metal Stud Bracing**



**2" x 6" Bracing**



**Wall Anchor  
C.M.U. Bracing**



#### Edge™ Storage System

Seismic application requires additional wall and floor cleats and reinforced splice connectors.

## Overview

GearBoss® by Wenger is a complete, state-of-the-art system designed to help with all aspects of your athletic program. From lockers, to storage, to equipment transport and fund-raising solutions, GearBoss products save you time, space, and effort. They're flexible and customizable so your system can change as your needs change. Plus, we'll work with you every step of the way to make sure you get exactly the right system—nothing more, nothing less.

### **GearBoss innovations are driven by these key principles:**

*Mobility* – Haul equipment and apparel wherever you need it, without hassle.

*Flexibility* – Storage systems and custom lockers that adapt to your changing needs.

*Organization* – Keep track of your equipment and apparel easily with storage and locker rooms that get in order and stay in order.

*Sanitation* – Superior ventilation and anti-microbial surfaces help equipment stay clean, dry and germ-free.

*Space* – High-Density storage and room design services for maximizing every inch of space.

*Security* – Lockable doors and side panels keep apparel and equipment safe and secure.

*Pride* – Equipment and locker rooms that set you apart and reflect your team spirit.

### **Featured Components Include:**

#### **GearBoss® High-Density Storage**

- X-Cart™
- Team Cart™
- SportCart™

#### **GearBoss® II High-Density Storage**

#### **GearBoss® Shelving**

## Application Information

### GearBoss® High-Density Storage

GearBoss high-density storage carts create more room in less space – improving space efficiency by as much as 50% – by using an innovative system of tracks and rolling carts.

X-Carts are designed to move laterally on the track and stay in your equipment room.

Team Carts are portable and engineered with retractable track guides so you can move the equipment around the room or off campus. No more wasted time running back and forth to the storage room.

Every cart can be reconfigured for maximum storage.

The best solution includes a mix of X-Carts and Team Carts, and your Wenger representative will design the best solution for you. Bottom line – you'll get a flexible sports storage system engineered to meet every challenge.

### PERFORMANCE REQUIREMENTS

- Convert traditional storage area into organized, secure high-density space.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.

### CONSTRUCTION

- Available in two widths 32" (81 cm) and 48" (122 cm).
- Roller guides follow the track keeping the units aligned and are made of glass-filled nylon.
- Intended for indoor use in normal ambient temperature and humidity conditions – must not be exposed to prolonged outside weather conditions.
- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant-welded heavy-duty steel wire grille end frames.
- Durable powder-coat paint finishes.
- Variety of colors available for wire grille ends.
- Heavy-duty 6" (15 cm) wheels provide easy movement.
- Roof panel constructed from solid 5/8" (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" wide x 78" long x 79" high (81 x 198 x 201 cm).
- 48" wide x 78" long x 79" high (122 x 198 x 201 cm).
- Five-year warranty.

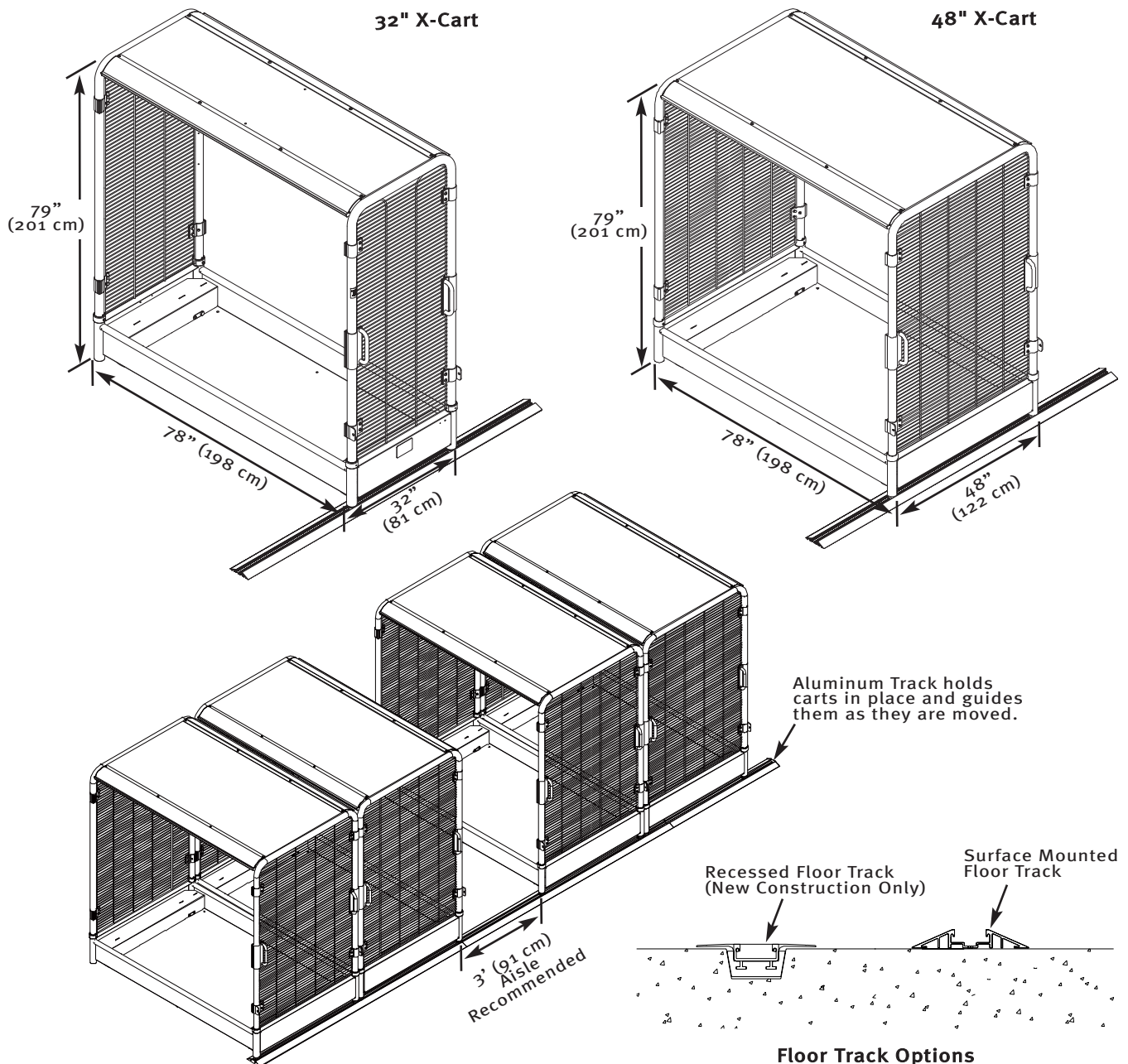
# INSTRUMENT STORAGE

## Application Information

### GearBoss® X-Cart™

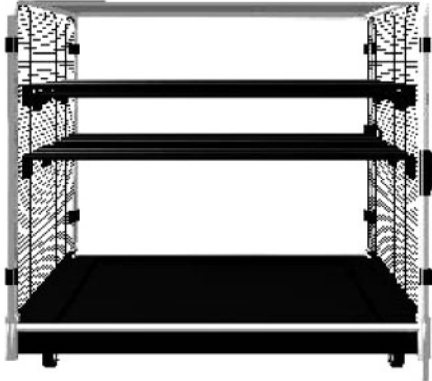
High density storage carts that maximize your space by sliding together and apart along a fixed aluminum track. Transforming your equipment room into an organized, clean, professional storage space is easy with GearBoss. Our rugged X-Carts create an efficient, smart system of storage that will save space, protect your equipment, and save you loads of time spent organizing.

X-Carts roll laterally along a fixed aluminum track creating aisles between carts when you need to get at your equipment and closing back together when you don't. Carts can be configured with a full range of panels, doors and grilles coordinated with your team colors. You can also add accessories such as doors, hanger bars, shelves, dividers, track locks and more. Select colors from the manufacturer's standard pallet.



## Application Information

### GearBoss® X-Carts™ Examples



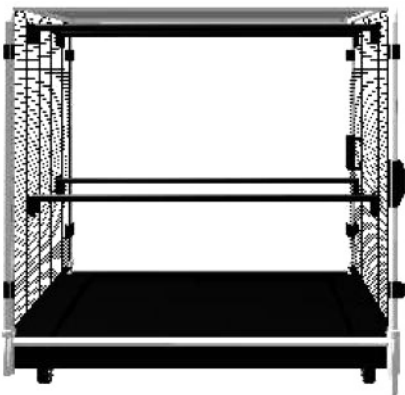
48" wide X-Cart with four 24" wide Metal Wire Shelves and two Garment Bars.

Commonly used to store uniforms  
(70 hung jackets)



48" wide X-Cart with eight 24" wide Metal Wire Shelves.

Commonly used for folded garment storage  
(960 - 1000 t-shirts and/or shorts)



48" wide X-Cart with four Garment Bars.

Used for hanging garments  
(140 garments)



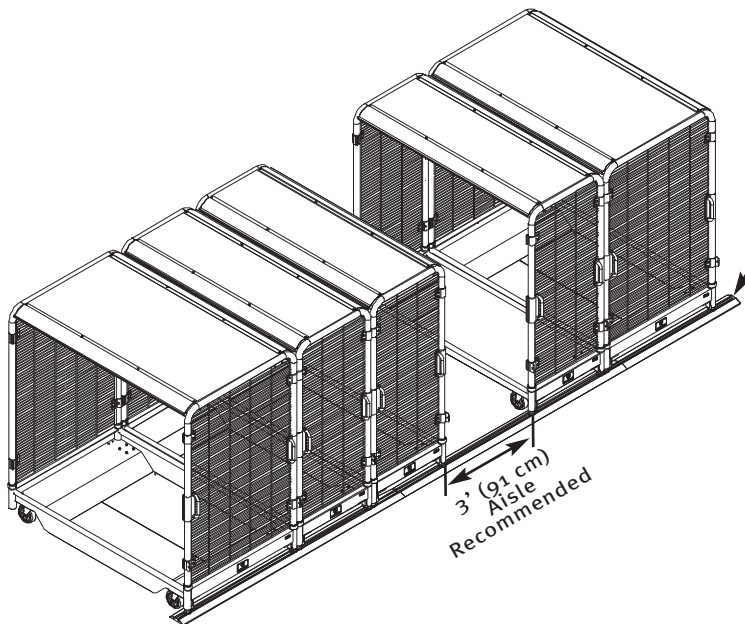
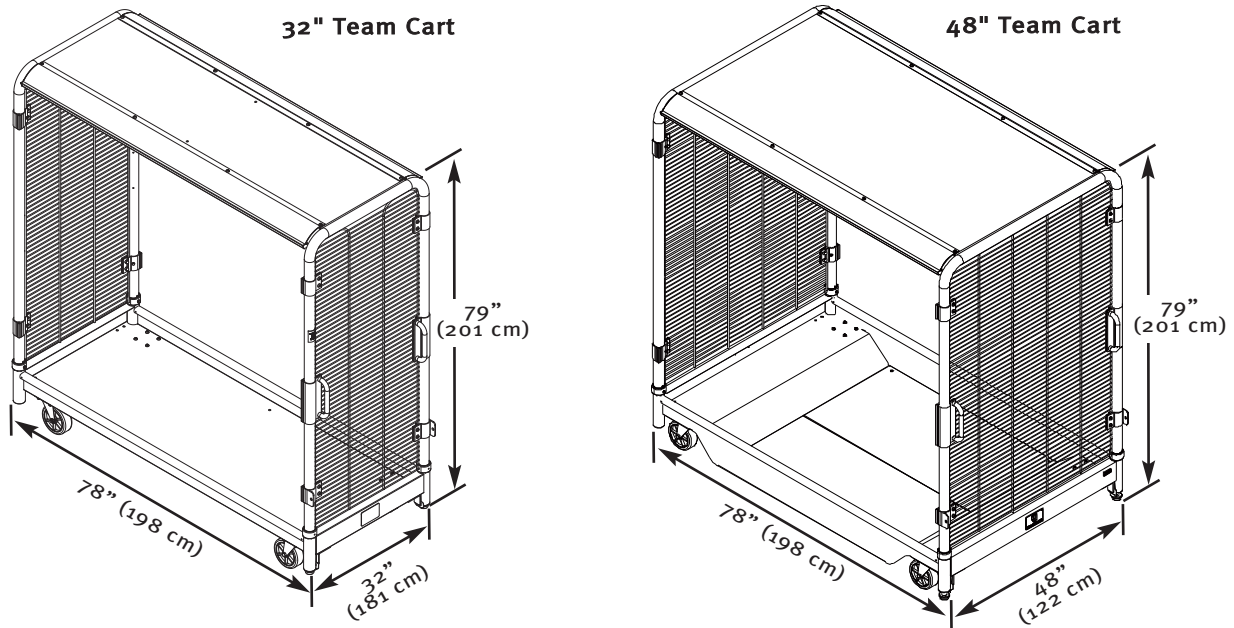
## Application Information

### GearBoss® Team Cart™

High density storage carts that can leave the track and transport your gear wherever you need it.

Now it's easy to get your equipment out of storage and to the gym, practice area, parking lot or sidelines – without breaking a sweat.

GearBoss Team Carts retain all the convenient storage benefits of X-Carts but are engineered to leave the track. Imagine all your gear organized on one or two high-density storage carts, traveling wherever it needs to go – and back again. Or park and lock your equipment in a temporary space, instantly creating safe, secure storage anywhere.



Aluminum Track holds carts in place and guides them as they are moved.



## Application Information

### GearBoss® Team Cart Examples (continued)



32" wide Team Cart with two 32" wide Metal Wire Shelves and one Garment Bar.

Commonly used to store uniforms  
(150 - 175 uniforms)



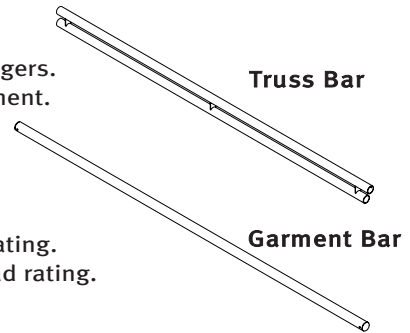
32" wide Team Cart with five 32" wide Metal Wire Shelves.

## Application Information

### ACCESSORIES

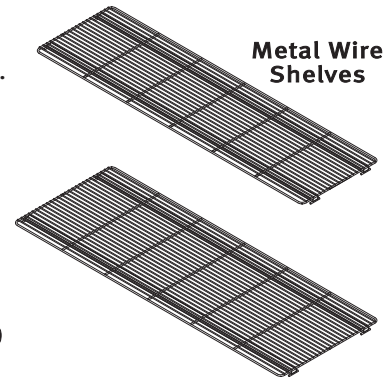
#### Truss Bar/Garment Bar

- Designed to be installed into the GearBoss X-Carts or Team Carts using two accessory hanger brackets.
- The Truss Bar is designed to be used with shoulder pad hangers, helmet hangers. The double-bar construction reduces the swinging motion of hanging equipment.
- The Garment Bar is designed to be used with standard garment hangers, support up to 175 jerseys.
- Durable powder-coat paint finish, black.
- Shipped ready to be installed, no tools required.
- Truss Bar, 1<sup>1</sup>/<sub>2</sub>" x 4" x 75<sup>1</sup>/<sub>2</sub>" long (4 x 10 x 192 cm). 200 lbs (90.7 kg) load rating.
- Garment Bar, 1<sup>1</sup>/<sub>2</sub>" diameter x 75<sup>1</sup>/<sub>2</sub>" long (4 x 192 cm). 100 lbs (45.4 kg) load rating.



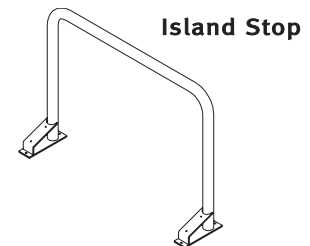
#### Metal Wire Shelves

- Designed to be installed into the GearBoss X-Carts or Team Carts using four accessory hanger brackets per shelf.
- Resistant welded construction of 3<sup>3</sup>/<sub>16</sub>" and 5<sup>5</sup>/<sub>16</sub>" (0.1875 and 0.3125) metal wires.
- Shipped ready to be installed, no tools required.
- The 24" (61 cm) wide shelf allows for shelving half of a 48" (122 cm) cart or all of the cart with two shelves.
- Wire Shelf 24" (61 cm), dimensions 21<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (55 x 190 cm). Approximate weight, 35 lbs (15.9 kg).
- Wire Shelf, 32" (81 cm), dimensions 27<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (70 x 109 cm). Approximate weight, 40 lbs (18.1 kg).
- Rated for 150 lbs (68 kg) evenly distributed.



#### Island Stop

- Designed to be permanently installed as an end stop for the GearBoss Carts.
- Welded frame constructed of durable 2" (5 cm) diameter x 16 gauge steel tubing.
- Durable powder-coat paint finish, black
- Dimensions are 9<sup>5</sup>/<sub>8</sub>" wide x 42<sup>3</sup>/<sub>4</sub>" long x 30<sup>1</sup>/<sub>2</sub>" tall (24 x 109 x 77 cm).
- Approximate weight: 24 lbs (10.9 kg).
- Shipped fully assembled.

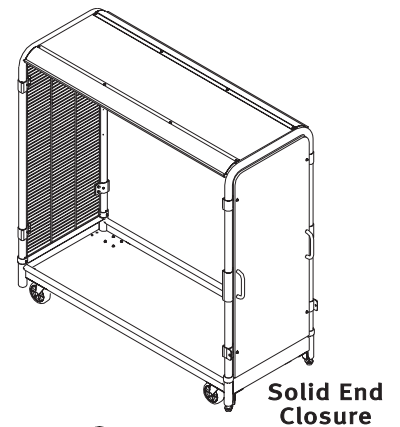


## Application Information

### ACCESSORIES (continued)

#### Solid End Closure

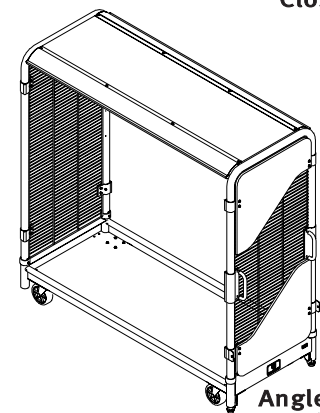
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Provides an excellent space for team logos.
- Adds a level of security to carts.
- Cart End Closure, 32" (81 cm)  
Dimensions:  $27\frac{1}{4}$ " x  $64\frac{5}{16}$ " (96 x 163 cm) Approximate Weight: 25 lbs (11.3 kg).
- Cart End Closure, 48" (122 cm)  
Dimensions:  $43\frac{1}{4}$ " x  $64\frac{5}{16}$ " (110 x 163 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Short  
Dimensions:  $21\frac{9}{64}$ " x  $43\frac{1}{4}$ " (54 x 110 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Tall  
Dimensions:  $33\frac{9}{64}$ " x  $43\frac{1}{4}$ " (84 x 110 cm) Approximate Weight: 43 lbs (19.5 kg).



Solid End Closure

#### Angled End Closure Accessory

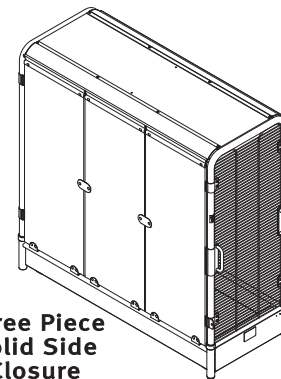
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Adds a level of Aesthetic to carts.
- Provides an excellent space for school logos.
- Shipped ready-to-assemble.
- Angle End Closure, 32" (81 cm)  
Dimensions:  $24\frac{13}{16}$ " x  $27\frac{1}{4}$ " (63 x 69 cm) Approximate Weight: 23 lbs (10.4 kg).
- Angle End Closure, 48" (122 cm)  
Dimensions:  $24\frac{13}{16}$ " x  $43\frac{1}{4}$ " (63 x 110 cm) Approximate Weight: 25 lbs (11.3 kg).



Angled End Closure

#### Three Piece Solid Side Closure Accessory

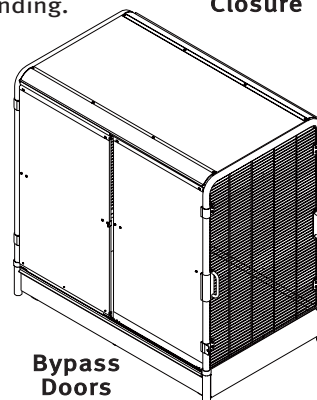
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Securely closes one side of cart opposite open side or opposite a bypass door adding a level of security to carts.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 75 lbs (34 kg).



Three Piece Solid Side Closure

#### Bypass Doors Accessory

- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Easy glide aluminum track provides convenient access.
- Sliding doors lockable with padlock (not supplied) for added security.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 86 lbs (39 kg).



Bypass Doors

## Application Information

### GearBoss® SportCart™

Compact GearBoss SportCarts can be used as part of a larger GearBoss installation or as a mobile, stand-alone solution.

They are designed for use in small spaces and for sports that require less storage. Four heavy-duty, 5" swivel casters make mobility a snap. The nimble SportCart will navigate narrow hallways, shorter door openings and most elevators. It's the small-space storage solution.

#### PERFORMANCE REQUIREMENTS

- High density storage on or off the track.
- Heavy-duty commercial-grade swivel casters for easy moving on hard surfaces such as concrete, gym floors, tile and low-pile unpadded carpet.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools™ Certified.

#### CONSTRUCTION

- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant welded heavy-duty steel wire grille end frames.
- Variety of colors available for wire grille ends.
- Extra wide heavy-duty 5" (12.7 cm) swivel casters made from glass-filled nylon with polyurethane non-marring outer roller guides.
- Roof panel is solid  $\frac{5}{8}$ " (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" (81 cm) wide x 41 $\frac{2}{3}$ " (106 cm) long x 74 $\frac{1}{2}$ " (189 cm) high.
- Five-year warranty.

#### ACCESSORIES

##### Swing Door & Side Closure

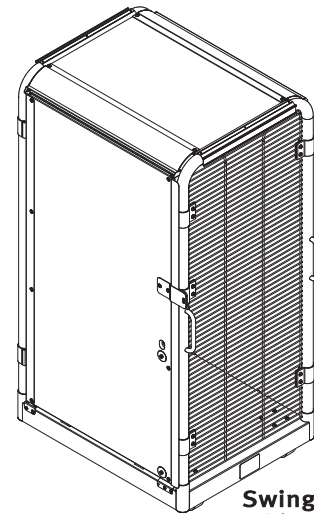
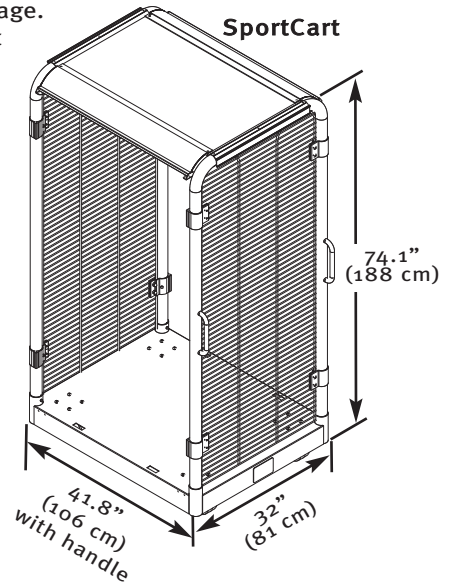
- Swing door lockable with padlock (not supplied) for added security.
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Dimensions: Swing Door 34 $\frac{1}{8}$ " x 63 $\frac{1}{2}$ " (87 x 161 cm).  
Side Closure 34 $\frac{7}{8}$ " x 65 $\frac{5}{8}$ " (89 x 167 cm).
- Approximate Weight: Swing Door 52 lbs. (24 kg).  
Side Closure 41 lbs. (19 kg).

##### Garment Bar

- Designed to be installed using two included hanger brackets.
- Designed to be used with standard garment hangers and supports up to 80 jerseys.
- Durable black powder-coat paint finish.
- Dimensions: 37 $\frac{1}{2}$ " (95 cm) x 1 $\frac{1}{2}$ " OD".
- Rated for 100 lbs. (45 kg) weight evenly distributed.

##### Metal Wire Shelves

- Designed to be installed using four included hanger brackets per shelf.
- Resistant welded construction of  $\frac{3}{16}$ " and  $\frac{5}{16}$ " (0.1875" and 0.3125") metal wires.
- Rated for 150 lbs. (68 kg) evenly distributed.
- Dimensions: 27 $\frac{5}{8}$ " x 37" (70 x 94 cm).
- Approximate Weight: 20 lbs. (9 kg).



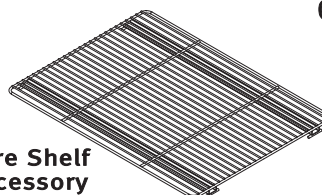
Swing Door & Side Closure Accessory



Garment Bar Accessory



Hanger Bracket (included)



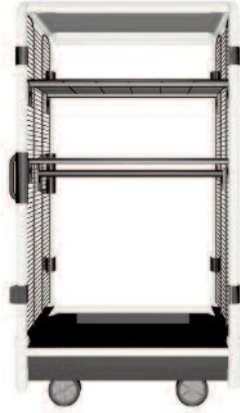
Wire Shelf Accessory

## Application Information

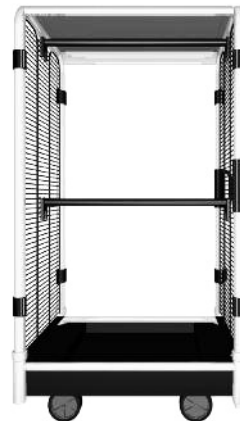
### Sport Cart examples



SportCart with three Metal Wire Shelves.  
Commonly used for folded garments  
(160 - 200 folded t-shirts and/or shorts)



SportCart with two Metal Wire Shelves and one Garment Bar.  
Commonly used for uniforms  
(80 uniforms: 80 folded pants/shorts)



SportCart with two Garment Bars.  
Commonly used for uniforms  
(160 hung jackets; 1/2" spacing)

## Application Information

### GearBoss® Shelving

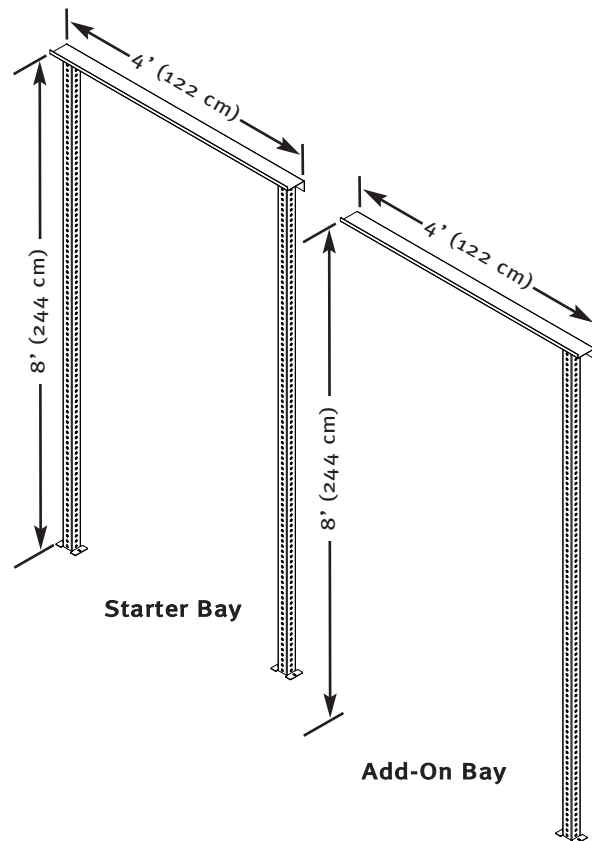
This is the affordable, flexible, durable solution for shelving storage and workspace needs. It works great for athletic, music and marching band storage; and theatre garment and prop storage. The cantilever design optimizes overhead space and keeps the floor free from supports for extra room. The system is so versatile it can be configured to your specific needs to make sure you get the maximum storage space.

#### PERFORMANCE REQUIREMENTS

- Cantilever design keeps the floor open for carts and flexible use.
- Holes at 1" (2.5 cm) increments provide easy adjustability.
- Shelves are adjustable by hand – no tools required.
- Each bay is load-rated at 1,000 lbs (450 kg) (if installation instructions are strictly followed).
- Spans doors and windows, if necessary.
- Easy to install and relocate.
- Uprights and mounting brackets are zinc-plated to avoid rust.

#### CONSTRUCTION

- Available in bays 4'w x 8'h (122 x 244 cm). Custom heights are available.
- Shelf supports are 14-gauge  $\frac{7}{8}$ " (2.2 cm) square tube-steel with silver powder-coat paint finish.
- Aluminum shelf fronts feature a  $\frac{3}{8}$ " (1 cm) lip to retain a hardboard insert or work surface option.
- Ten-year warranty.



## Application Information

### ACCESSORIES

#### Shelves, 30½" and 17½"

- 30½" (77 cm) cantilevered shelf with 4 support tubes spaced 5¼" (13 cm).
- 17½" (44 cm) cantilevered shelf with 2 support tubes spaced 5¼" (13 cm).
- Shelves can be mounted and adjusted in 1" (3 cm) increments without tools.
- Both shelves fronted with a contoured aluminum extrusion with a ⅜" (9 mm) lip to retain a hardboard insert.
- Each shelf is rated for 250 lbs (113 kg) evenly distributed, not to exceed 1,000 lbs (454 kg) per bay.
- All steel parts have a durable silver powder-coat paint finish.
- Shelf brackets are formed 12-gauge steel.
- Shelf support are 14-gauge ⅞" (22 mm) steel tubes.

#### Work Surface Panel

- 29¼" (74 cm) x 45¾" (116 cm) panel lays directly inside a 30½" shelf.
- 1⅞" (29 mm) graphite polyester laminated partical board with PVC edgebanding - black only.

#### Drawer

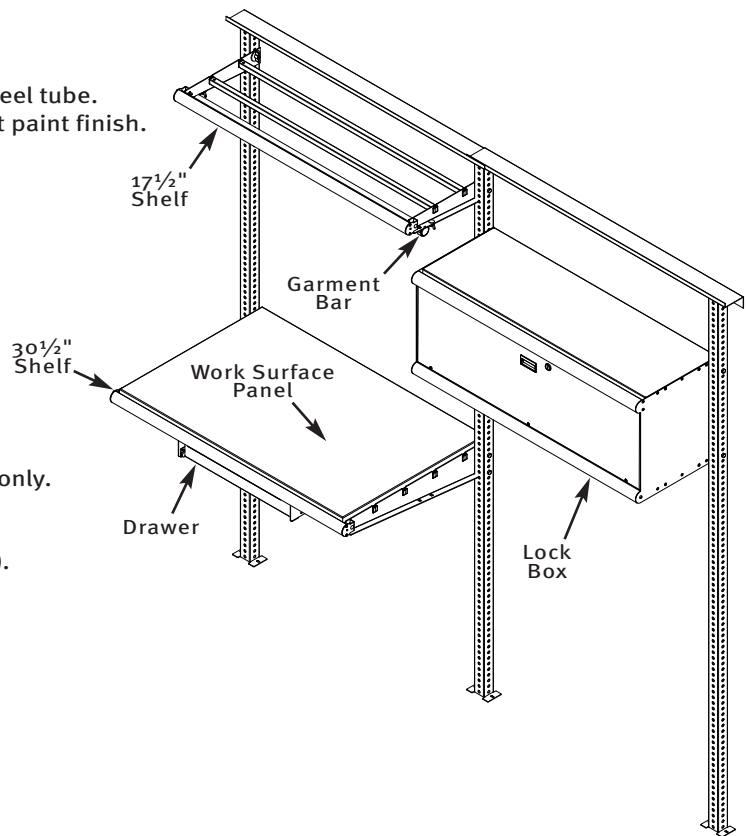
- Mounts to underside of a work surface panel accessory for a 30½" shelf.
- 14-gauge steele construction.
- Durable black powder-coat paint finish.
- Rated for 100 lbs (45 kg) evenly distributed.

#### Garment Bar/Hanging Bar

- 48" (122 cm) x 14-gauge x 1½" (4 cm) round steel tube.
- All steel parts have a durable black powder-coat paint finish.
- Durable black powder-coat paint finish.
- Mounts to underside of shelves without tools.
- Rated for 100 lbs (45 kg) evenly distributed.

#### Lock Box

- Door is hinged at the bottom so it can drop and stay open for easy access.
- Sides, top and bottom panels are 16-gauge steel.
- Features upper and lower contoured aluminum extrusions.
- Laminated wood door with keyed lock.
- Door is ⅝" (16 mm) graphite pebble polyester laminated board with PVC edgebanding - black only.
- Rated for 100 lbs (45 kg) evenly distributed.
- Mounted and adjustable without tools.
- Dimensions: 16" x 18" x 46" (41 x 46 x 117 cm).



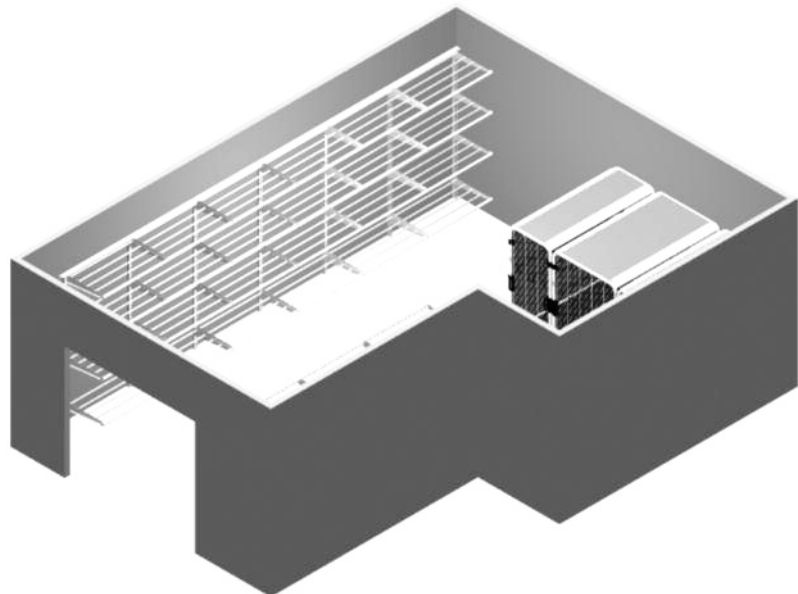
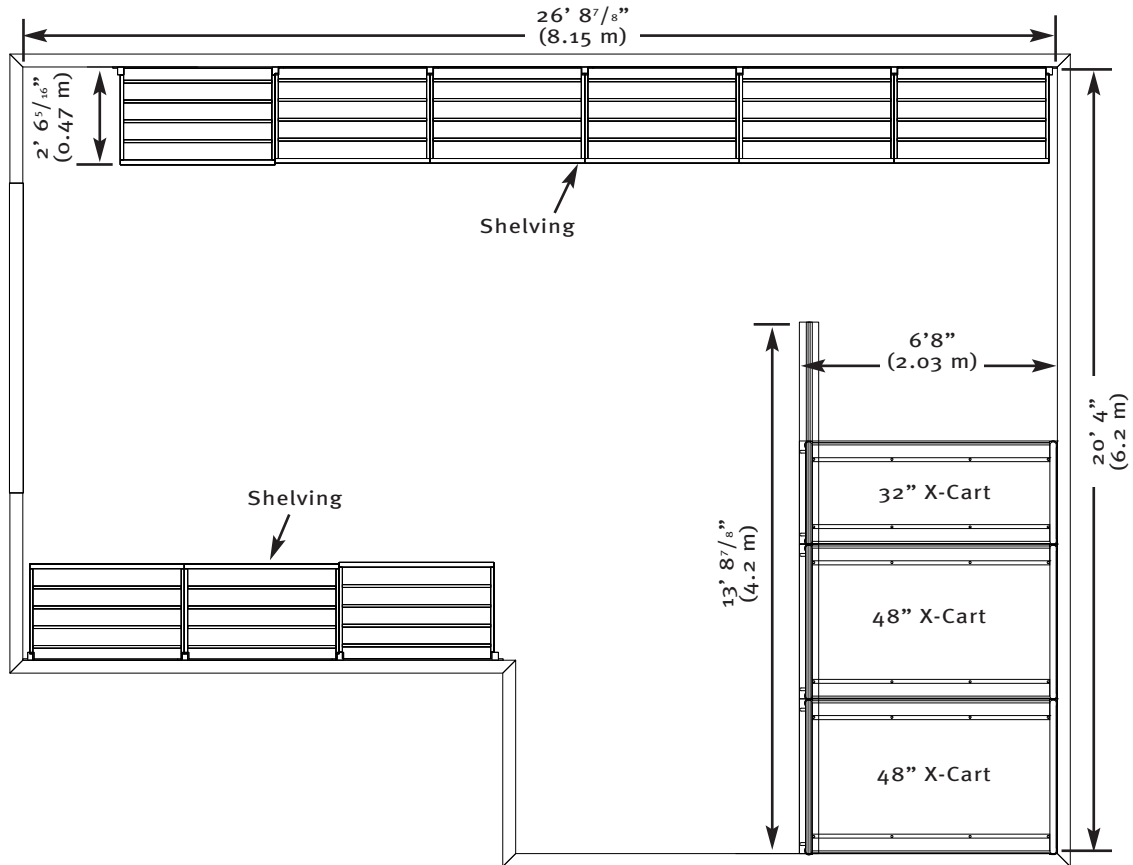


# INSTRUMENT STORAGE

## Typical Drawings

### GearBoss Sample Layouts

#### GearBoss Carts and Shelving



## Application Information

### Miscellaneous information

Technical Sheets are included for:

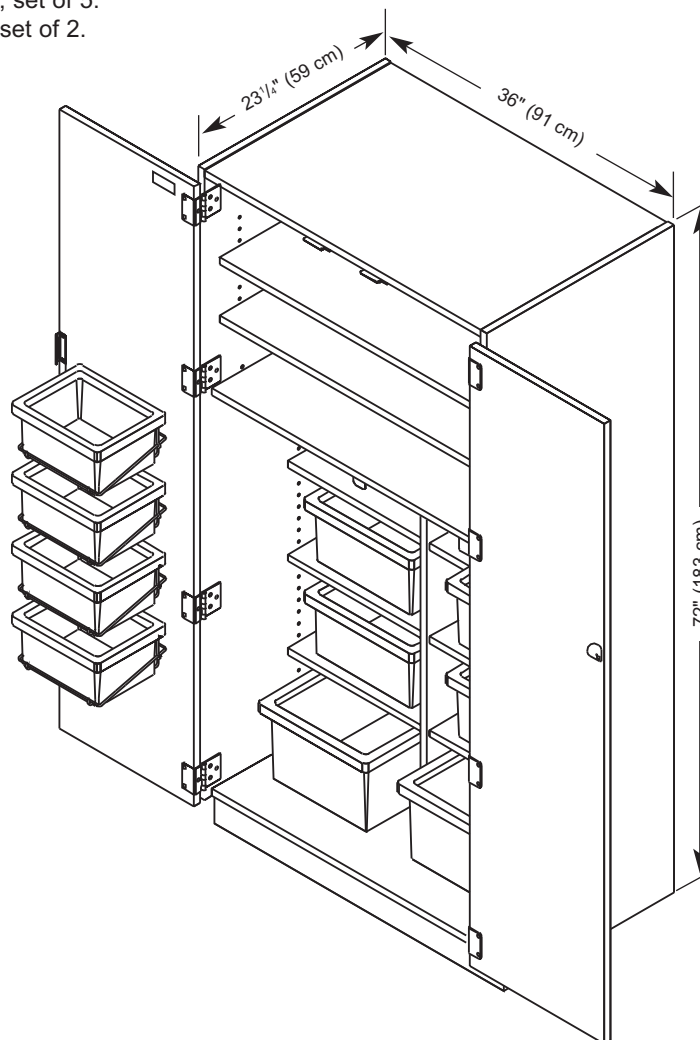
- Small Instrument Cabinet
- Stringed Instrument Cabinet
- Percussion Workstation
- Tuba/Sousaphone Mobile Storage Rack
- Guitar Mobile Storage Rack
- Stringed Instrument Mobile Storage Racks
- OnBoard Cargo Cart

## Small Instrument Cabinet

- 166E001 290 lbs. (131 kg).
- Overall dimensions: 36" wide x 23<sup>1</sup>/<sub>4</sub>" deep x 72" high (91 x 59 x 187 cm).
- Nine adjustable shelves provide flexibility in organizing various small instruments.
- Cabinet construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Comes with four small bins, five medium bins and two large bins with labels. Bins come in the primary colors of red, blue and yellow.
- Small storage bins mount on hangers to either door for easy student access.
- Edging is <sup>1</sup>/<sub>8</sub>" (3 mm) radiused PVC.
- Thru-bolt construction on all door hardware.
- Cabinet has locking double doors.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Cabinets are shipped assembled.
- Ten-year warranty.

### Accessories

- 166A061 Small Bins (yellow), set of 4 with mounting brackets.
- 166A062 Medium Bins (red), set of 5.
- 166A063 Large Bins (blue), set of 2.



#### WENGER CORPORATION

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 Customer Service 800.887.7145

#### WENGER CORPORATION

CANADIAN REPRESENTATIVE OFFICE  
 Phone 800.268.0148

#### WORLDWIDE

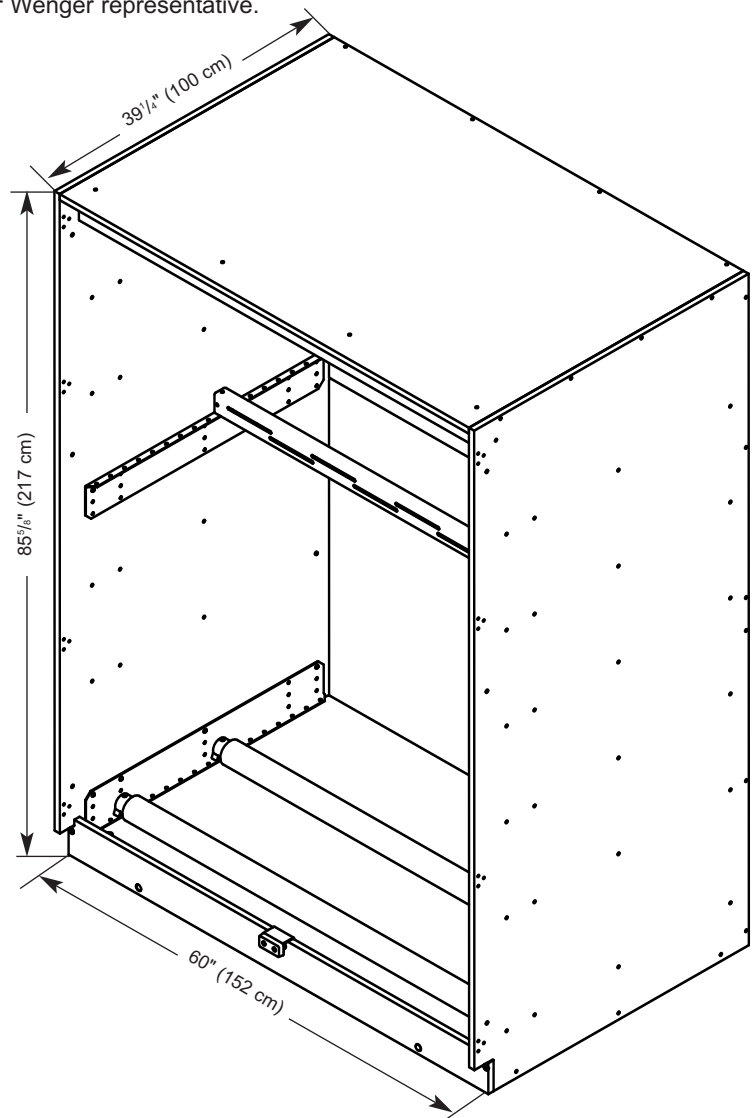
Phone 507.455.4100  
 Fax 507.774.8576

#### WEB SITE

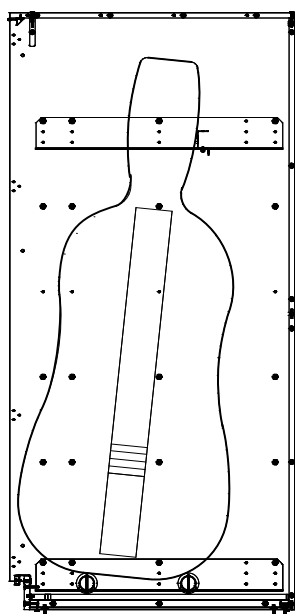
[wengercorp.com](http://wengercorp.com)

# Stringed Instrument Storage Cabinet

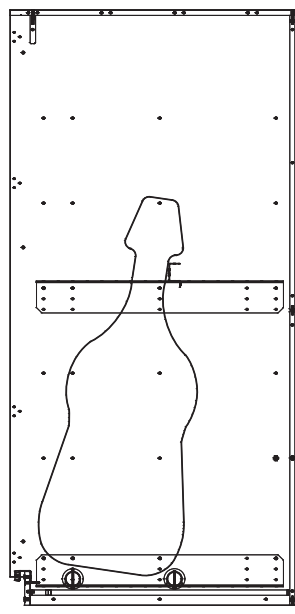
- 250A942 or 255A942 (AcoustiCabinet) - 425 lbs (193 kg).
- Overall dimensions 85<sup>5</sup>/<sub>8</sub>" height x 60" wide x 39<sup>1</sup>/<sub>4</sub>" depth (217 x 152 x 100 cm).
- Standard configuration includes hardware for the following instrument capacities: 16-20 violins/violas/vihuelas, 2-3 basses, 4-5 cellos/guitarrons, or 14-18 guitars.
- Adjustable internal components to fit a variety of instrument sizes - with or without cases.
- Padded rails to protect instruments and cases.
- High-pack options available.
- Additional conversion kits are available to store a variety of instruments.
- Cabinet construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Optional hangers and cable lock kit available for instruments without cases.
- Edging is <sup>1</sup>/<sub>8</sub>" (3 mm) radiused PVC.
- Available in all core substrates.
- Attractive, durable construction resists chipping and looks new years longer than other laminates.
- Bolt-through construction maintains the condition of the door and hardware year after year.
- Removable, replaceable components ensure improved service life.
- Load-tested hinges and lock assemblies stand up to institutional use.
- Choice of solid doors, straight grille doors or no doors.
- Waterfall grille doors available for an extra charge.
- Acoustic option available.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Ten-year warranty.
- Ships ready-to-assemble.



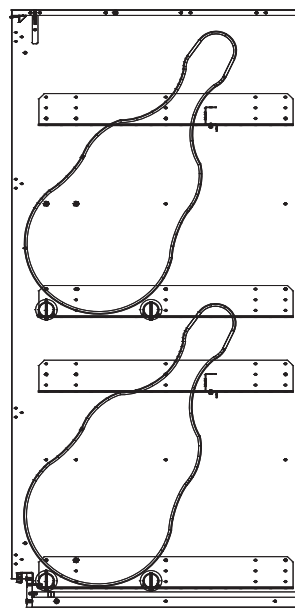
# TYPICAL CONFIGURATIONS



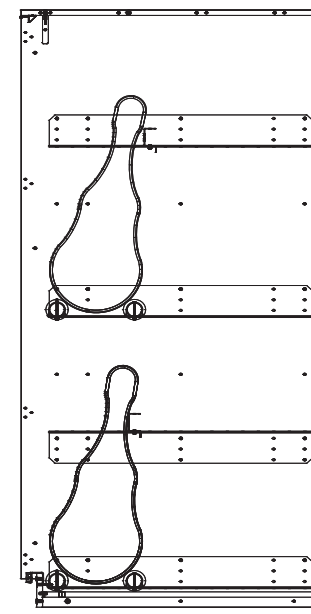
**Bass**



**Cello / Guitarron**

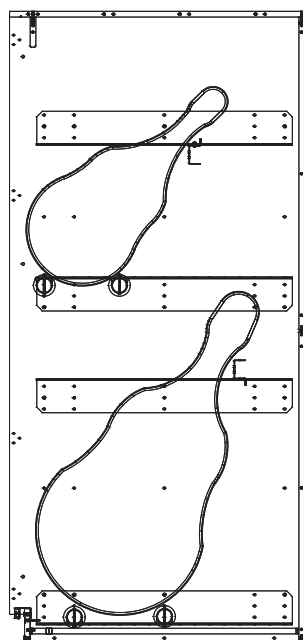


**Guitar**

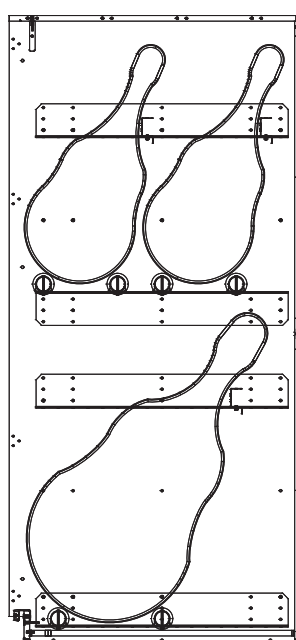


**Violin / Viola / Vihuela**

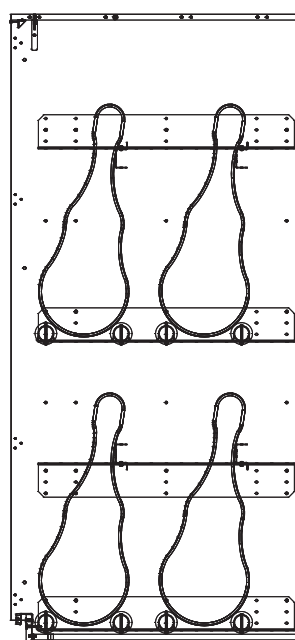
## Combination High- Pack Options



**Combination - Cello / Guitarron  
& Violin / Viola / Vihuela**



**Cello / Guitarron &  
Violin / Viola / Vihuela**



**Violin / Viola / Vihuela**

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**Wenger®**  
*Your Performance Partner*

# Percussion Workstation

- Percussion Workstation 147G001.\_ 230 lbs (104 kg) with accessories: 251 lbs (113 kg).
- Workstation is 48<sup>1</sup>/<sub>8</sub>" wide x 24<sup>1</sup>/<sub>2</sub>" deep x 35<sup>3</sup>/<sub>4</sub>" high (122 x 62 x 91 cm).
- Workstation construction is 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edging is 1/8" (3 mm) radiused PVC.
- Workstation top is 3/4" (19 mm) industrial grade composite wood with industrial grade carpet on top.
- Plywood bottom is 3/4" (19 mm) with four 4" (10 cm) rubber swivel casters that make it easy to move from room to room.
- Workstation has four foam-lined 21<sup>1</sup>/<sub>2</sub>" wide x 19<sup>3</sup>/<sub>4</sub>" deep x 3<sup>1</sup>/<sub>2</sub>" high (55 x 50 x 9 cm) drawers constructed of 18 gauge steel with built-in handle.
- Four 23" wide x 23" deep (58 x 58 cm) compartments, 3<sup>1</sup>/<sub>2</sub>" (9 cm) high and 15<sup>3</sup>/<sub>4</sub>" high (40 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Shipped assembled.
- Ten-year warranty.

## Accessories

### Pop-up Music Desk

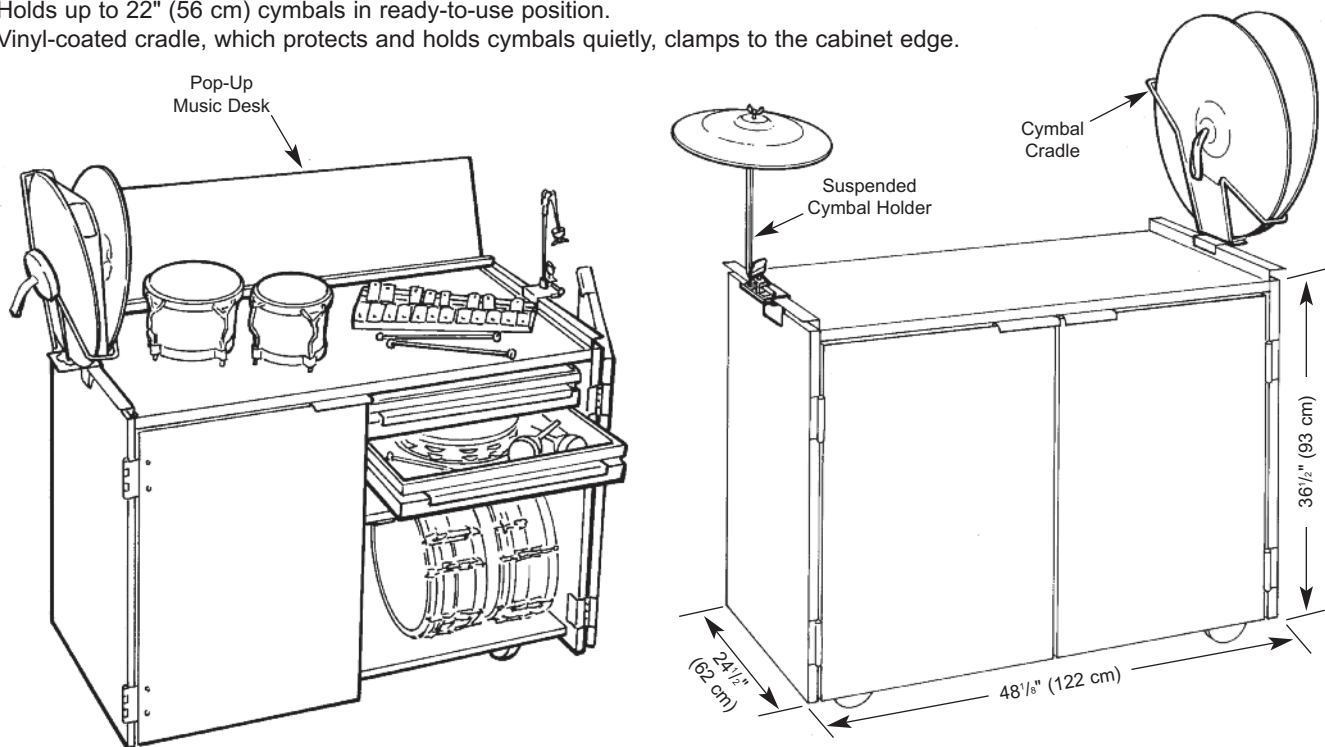
- 147G510.\_ 17.7 lbs. (7.7 kg).
- Holds music for three or more people.
- Desk is 46<sup>1</sup>/<sub>8</sub>" wide x 17<sup>1</sup>/<sub>16</sub>" deep x 10<sup>3</sup>/<sub>4</sub>" high (117 x 4 x 27 cm).
- Desk construction is 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Desk permanently attaches to work top and folds flat when not in use.

### Suspended Cymbal Holder

- 147B014 2 lbs. (0.9 kg).
- Adjustable vinyl-coated holder clamps to cabinet edge.

### Cymbal Cradle

- 147C012 7 lbs. (3 kg).
- Holds up to 22" (56 cm) cymbals in ready-to-use position.
- Vinyl-coated cradle, which protects and holds cymbals quietly, clamps to the cabinet edge.



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# Tuba/Sousaphone Mobile Storage Rack

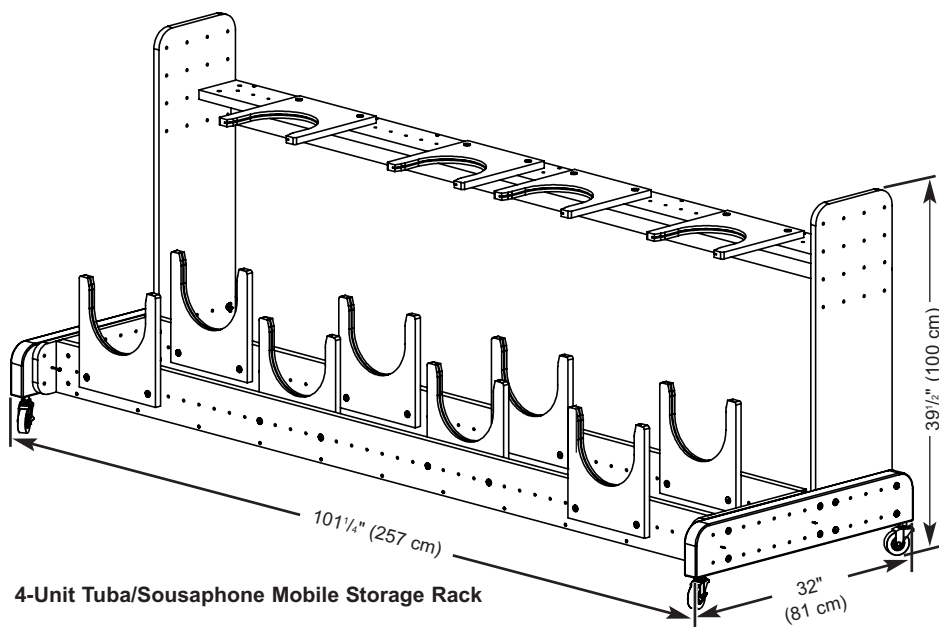
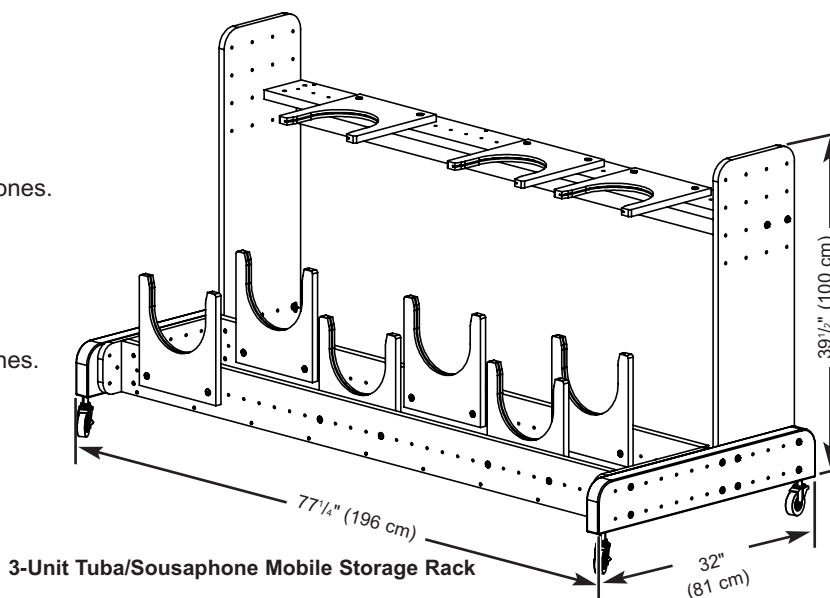
- End panels, yokes, spacers and stiffeners are 3/4" (19 mm) rubberwood with a clear polyurethane finish.
- Cross-member supports are 1" (25 mm) and legs are 1 3/4" (44 mm) rubberwood with a clear polyurethane finish.
- T-molding on yokes is clear 1/8" (3 mm) material.
- Racks have two swivel casters and two swivel casters with brakes for easy maneuverability when needed and stability when it is in a fixed location.
- Top cross-member is vertically adjustable to allow storage of all sizes of tubas and sousaphones.
- Lower cross member/support assemblies are adjustable from front to back and between members to provide optimum product support and stability.
- Yokes are horizontally adjustable on the three cross members and across the width of the cross-members to provide optimum product support and stability.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Assembly required.

### 3-Unit Tuba/Sousaphone Mobile Storage Rack

- Unit is configured to hold:  
Three tubas or three sousaphones  
or a combination of three total tubas and sousaphones.
- 251A003 (107 lbs) (49 kg).

### 4-Unit Tuba/Sousaphone Mobile Storage Rack

- Unit is configured to hold:  
Four tubas or four sousaphones  
or a combination of four total tubas and sousaphones.
- 251A004 (124 lbs) (56 kg).



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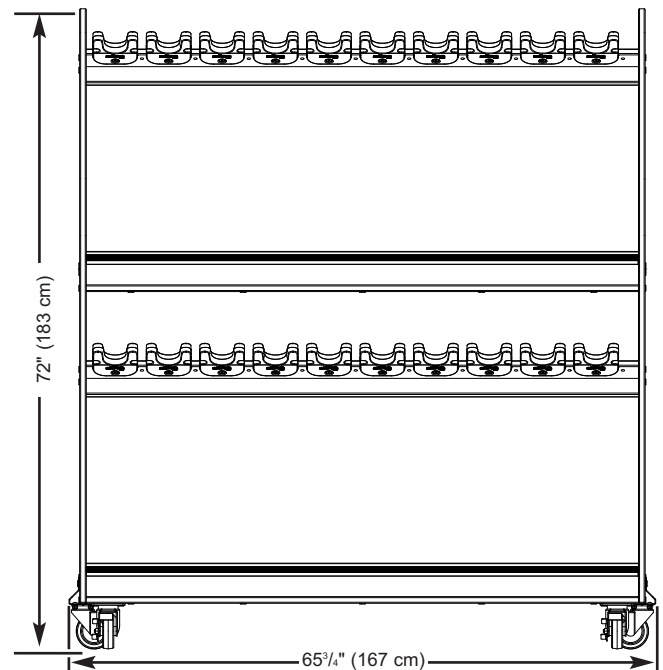
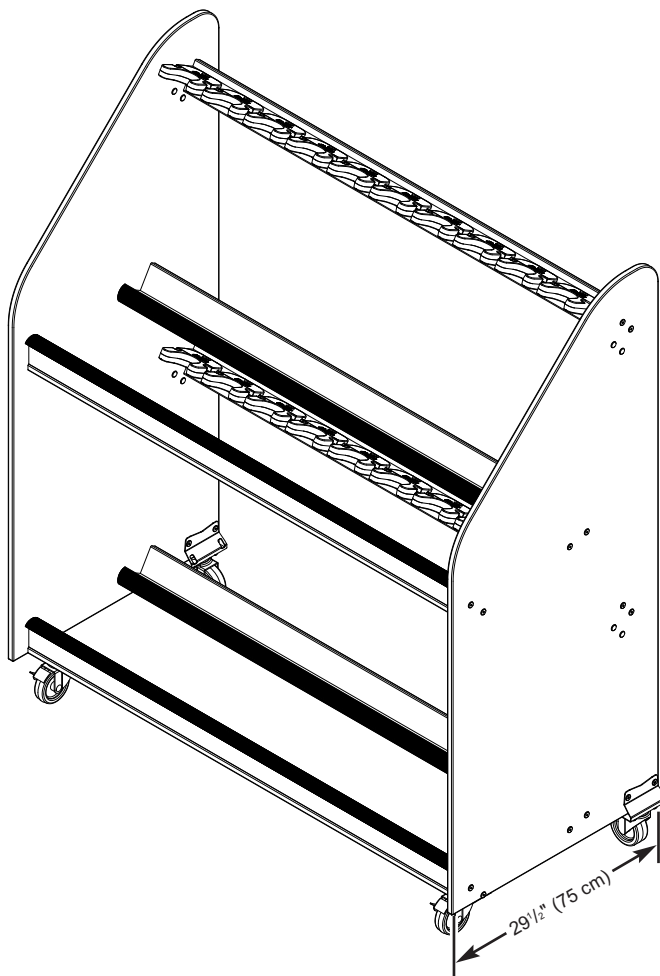
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## Guitar Storage Rack

- 148J006\_., Guitar Storage Rack, 147 lbs (67 kg).
- Designed to transport and store up to 20 acoustic or electric guitars.
- Stores up to 10 mariachi guitars and guitarrons.
- Designed for storing cased and uncased guitars.
- Four swivel, hard rubber casters, with two front locking, 4" (10 cm) in diameter.
- Fits through 33" (84 cm) wide door opening.
- Adjustable height upper cross supports to fit  $\frac{3}{4}$  to full size guitars.
- Adjustable yokes to accommodate various styles and are removable to accommodate cased guitar storage.
- Optional security cables help prevent instrument theft using standard padlocks with  $\frac{3}{8}$ " (10 mm) maximum diameter x  $1\frac{3}{8}$ " (35 mm) wide shackle. (padlocks not included)
- End panels are  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edging is  $\frac{1}{8}$ " (3mm) radiused PVC.
- Lower cross supports are plywood core laminated panels with flexible soft PVC edging to protect instruments.
- Dimensions: 65 $\frac{3}{4}$ " long x 29 $\frac{1}{2}$ " deep x 72" high (167 x 75 x 183 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Assembly required.
- 5-year warranty.



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# Stringed Instrument Mobile Storage Racks

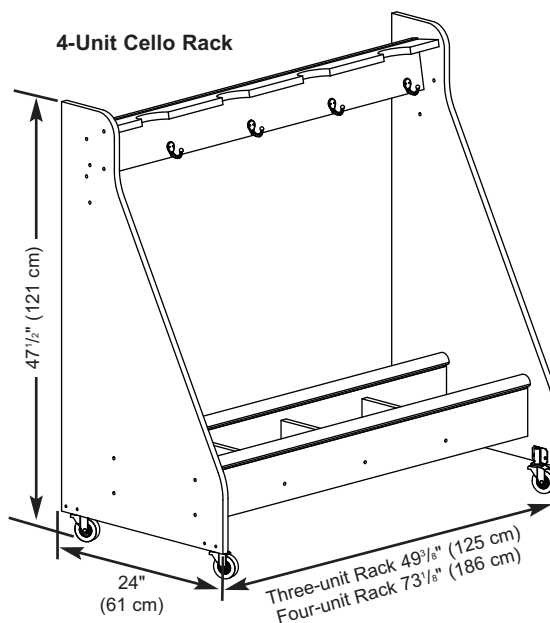
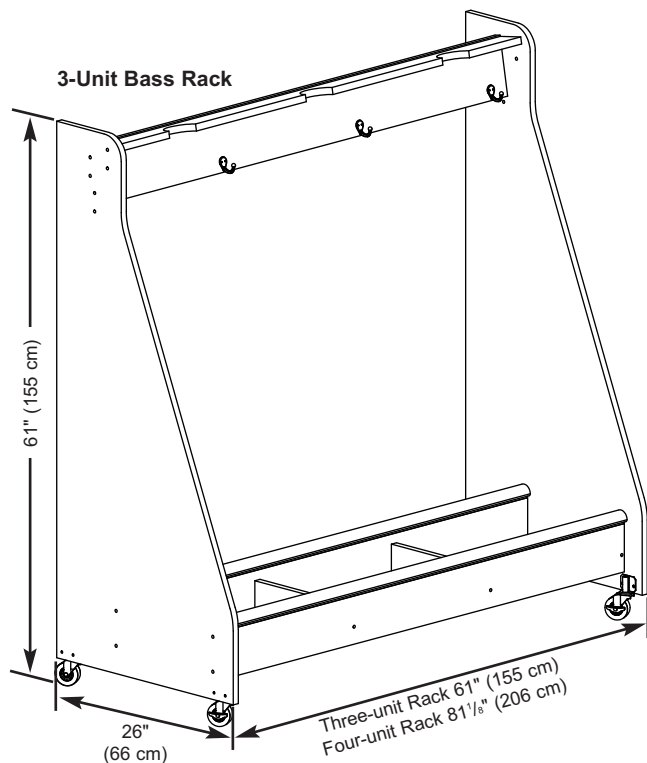
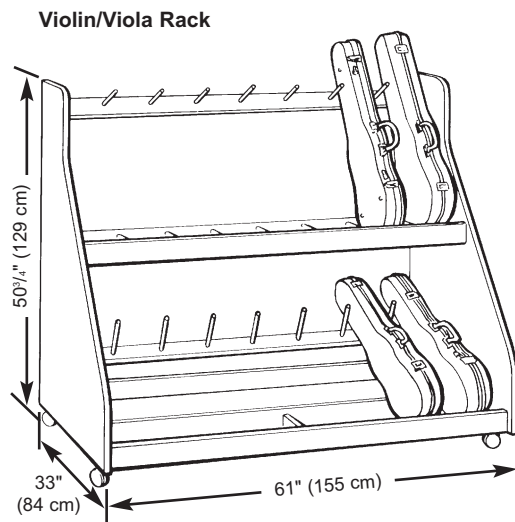
- End panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edging is 1/8" (3mm) radiused PVC.
- Racks have 2 1/2" (6 cm) swivel casters in yellow zinc finish for easy transport. Front casters are locking.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Assembly required.

## Bass and Cello Racks

- Three-unit Bass Rack: 148J003.\_ 73 lbs (33 kg).
- Four-unit Bass Rack: 148J004.\_ 83 lbs (38 kg).
- Four-unit Cello Rack: 148J001.\_ 55 lbs (25 kg).
- Six-unit Cello Rack: 148J002.\_ 66 lbs (30 kg).
- Lower cross supports are plywood core laminated panels with flexible soft PVC edging to protect instruments.
- Upper cross supports are plywood core laminated panels with PVC bonded edging to protect instruments.
- All racks include brass bow pegs.
- Holds instruments 1/2 sized and up.

## Violin/Viola Rack

- 148J005.\_ 92 lbs (42 kg).
- Double-tiered rack moves and stores up to sixteen cased instruments.
- Cross supports are constructed of plywood core laminated panels with PVC bonded edging on top and bottom supports.
- Holds cased instruments 1/2 size and up.
- Spacer pegs are solid wood.



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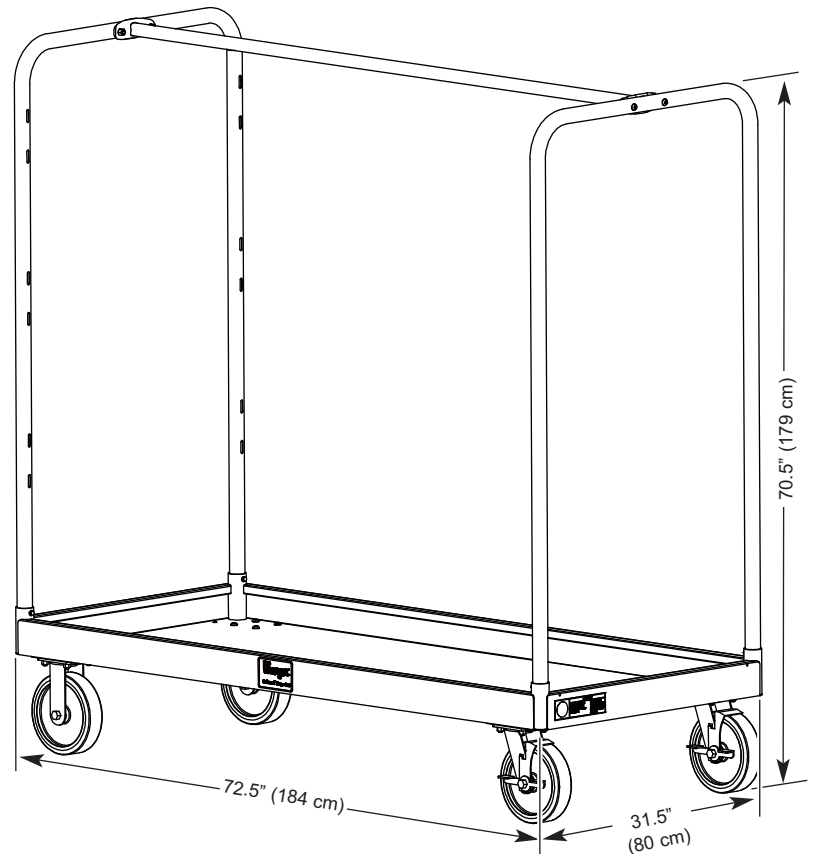
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## OnBoard® Cargo Cart

- 210A003 6' (183 cm) OnBoard Cargo Cart, 130 lbs. (59 kg) with hard casters.
- 210A004 6' (183 cm) OnBoard Cargo Cart, 130 lbs. (59 kg) with pneumatic casters.
- Ideal for transporting marching band uniforms, hats, garments, and musical instruments.
- Designed to fit into trailers, semi-trailers and trucks with minimum 6' (183 cm) door height.
- Equipped with removable full-length garment bar and 40 hanger retainer clips.
- Fits through standard 32" (81 cm) door.
- Bottom shelf stores and transports hats, flags (under 6' [183 cm] in length) and instruments.
- Capacities: 35 marching band uniforms on garment bar, 21 hats on bottom shelf.
- Durable black powder-coat paint finish.
- Garment Bar constructed of 12-gauge 1¼" (3.2 cm) round tubing.
- Uprights constructed of 16-gauge 1¼" (3.2 cm) round tubing; include slots for adding additional shelves.
- All-swivel, non-marking solid or pneumatic casters provide easy maneuverability.
- Bottom shelf is constructed of 16-gauge steel construction with black powder-coat paint finish.
- Top of garment bar to top of bottom shelf is 5' 1½" (154 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Shipped unassembled.

### Optional Accessories

- 210A002 - Additional shelf, 50 lbs (23 kg).
- 210A230 - Hanger Retainer Clip (Bag of 40).



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# ROBE AND UNIFORM STORAGE



Robe & Uniform  
Storage

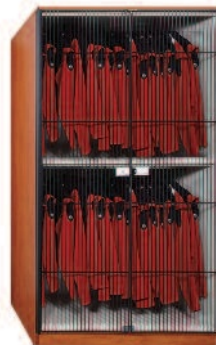
# ROBE AND UNIFORM STORAGE

Convenient storage with all the features that protect and maintain garments.



## ULTRASTOR™ ROBE & UNIFORM CABINETS

These are the premier cabinets for all your garments, hats, and shoes. UltraStor™ can be configured to your needs, giving you well-ventilated storage that keeps your clothing free from wrinkles and mildew so you can wear them right off the rack. UltraStor™ also exemplifies the epitome of Wenger engineering, giving you perfectly functional day-to-day operation and years of performance that holds up to institutional use while retaining its good looks.



## EDGE™ ROBE & UNIFORM STORAGE

Edge™ Storage System isn't just for instruments. Among the many size and shape configurations available we have column sizes capable of storing costumes, and just about anything else you can put on a hanger.



## RACK 'N ROLL GARMENT RACK

This is the easy, smart way to move your bulky garments, gowns, coats, and uniforms from storage to rehearsal or performance for a fast change. The Rack 'n Roll garment rack is heavy-duty enough to hold a full wardrobe but designed so efficiently it can easily roll through standard doorways or elevators.



## ONBOARD® CARGO CART

Perfect for transport in box trucks and trailers, OnBoard Carts are built with heavy-duty casters and 12-gauge steel. Outfit with shelves, garment bar or both. The number one choice of marching bands.



## GEARBOSS® HIGH-DENSITY STORAGE

GearBoss X-Carts™ and Team Carts™ are rugged, metal storage carts that ride on a track in your storage room or leave the track to roll down the hallway. They are highly versatile and can be secured with doors and a standard padlock.

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# ROBE AND UNIFORM STORAGE

## Overview

Garments are an enormous investment requiring specialized storage and Wenger offers you the best choices in the industry. Ventilation is key, keeping dust out while allowing air to circulate and moisture to dissipate before it leads to mold and mildew. Wenger's innovative features and storage design elements have long set the standard, making sure all your robes, marching band uniforms, hats, and shoes receive the kind of storage solution their value warrants.

And no matter what kind of garments you own or how many, Wenger has a wide range of solutions to fit your inventory and your budget. It's important these items have a secure, breathable space, and we look forward to finding the best solution for your specific needs.

	UltraStore™ Cabinets	Edge™ Storage System	GearBoss® Storage	GearBoss® Shelving	OnBoard® Carts
Marching Band	•	•	•	•	•
Robes	•	•	•	•	•
Uniforms	•	•	•	•	•
Costumes	•	•	•	•	•
Flags	•		•	•	•
Props	•	•	•	•	•

## Application Information

### UltraStor™ Storage Cabinets

#### Our original, trusted and proven storage cabinets.

Our patented polyethylene shelves are just part of the best-built, most-reliable storage cabinets available. Heavy-duty hardware and top-quality doors further ensure reliable day-to-day operation and unparalleled durability when you buy Wenger storage cabinets.

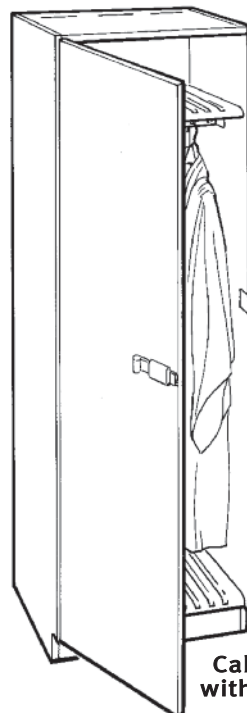
UltraStor cabinets are also designed to look great with virtually any décor. They're available in a range of sizes, colors and styles to fit a wide variety of needs. That includes different door types for different applications. Plus, UltraStor cabinets are modular so you can rearrange and even add units as needed.

#### PERFORMANCE REQUIREMENTS

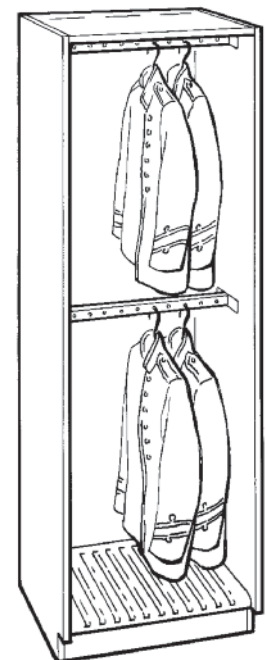
- Choice of solid doors, straight grille doors or no doors.
- Optional waterfall grille doors available.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to musical instrument, equipment, and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 85<sup>5</sup>/<sub>8</sub>" (217 cm), 69<sup>3</sup>/<sub>4</sub>" (177 cm) and 38<sup>5</sup>/<sub>16</sub>" (97 cm) heights available to meet your students' needs. Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.
- Standard 27<sup>1</sup>/<sub>2</sub>" (69.85 cm) wide and 21" (53.34 cm) narrow widths available.

#### CONSTRUCTION

- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Available with right- or left-hinged (standard) doors for easy access.
- Bolt-through construction maintains superior door and hardware condition, year after year.
- Seismic-compliant bracing available upon request as a special order.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for these products can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Available in several core substrates to meet your specific needs:
  - fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ten-year warranty.



Cabinet #32  
without doors

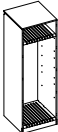
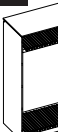

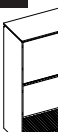
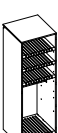
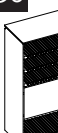


Cabinet #31  
with full-length  
wood door



## Application Information

### Cabinet Specifications - UltraStor Storage Cabinets

<p><b>31</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Stores 11 Robes and Uniforms. Upper shelf for additional storage.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 11<sup>1</sup>/<sub>4</sub>"h (65 x 70 x 29 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 65<sup>3</sup>/<sub>8</sub>"h (65 x 70 x 166 cm)</p>	<p><b>34</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 74 x 217 cm) Stores 20 Robes and Uniforms. Upper shelf for additional storage.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 10<sup>1</sup>/<sub>4</sub>"h (118 x 70 x 26 cm) 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 63<sup>3</sup>/<sub>8</sub>"h (118 x 70 x 162 cm)</p>
<p><b>32</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Stores 22 Uniforms.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 77<sup>1</sup>/<sub>8</sub>"h (65 x 70 x 198 cm)</p>	<p><b>35</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 74 x 217 cm) Stores 40 Uniforms.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 76<sup>1</sup>/<sub>2</sub>"h (118 x 70 x 194 cm)</p>
<p><b>33</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 74 x 217 cm) Stores 11 Uniforms and 12 Hats.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 11<sup>1</sup>/<sub>4</sub>"h (65 x 70 x 29 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 39<sup>5</sup>/<sub>8</sub>"h (65 x 70 x 101 cm)</p>	<p><b>36</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 74 x 217 cm) Stores 20 Uniforms and 24 Hats.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 10<sup>1</sup>/<sub>4</sub>"h (118 x 70 x 26 cm) 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 38<sup>3</sup>/<sub>8</sub>"h (118 x 70 x 97 cm)</p>

Using your equipment list and our exclusive software program, we'll analyze your needs and space requirements and create a storage layout using the most suitable cabinets.

Cabinets shown without doors.

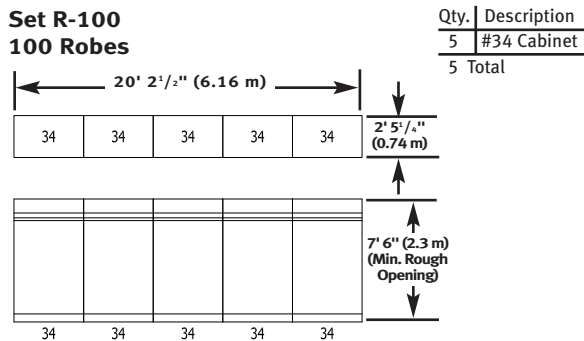
## Typical Drawings

### UltraStor Storage Cabinets - Suggested Robe/Uniform Sets

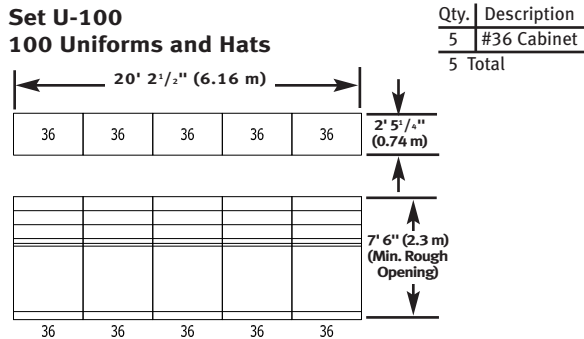
1. These drawings are not to scale.
2. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available on the Music Facility Products and Instrument Storage CDROM. Cabinets shown without doors.

#### Set R-100 100 Robes



#### Set U-100 100 Uniforms and Hats



#### NOTES:

1. In an area where soffits are to be constructed above Wenger cabinets, a minimum rough opening height of 7' 6" (2.3 m) is required for cabinet installation.
2. Cabinets have full double door or no door option only.
2. Standard door is left-hand swing. Right-hand swing door is available.
3. Closure panels available.



## Application Information

### Edge™ Storage System

With its open-back, shared-column design, new Edge gives you the versatility of built-in storage — but with Wenger quality at an exceptionally streamlined price. With no back panel and fewer separation panels, GREENGUARD certified Edge lowers your cost and the impact on the environment.

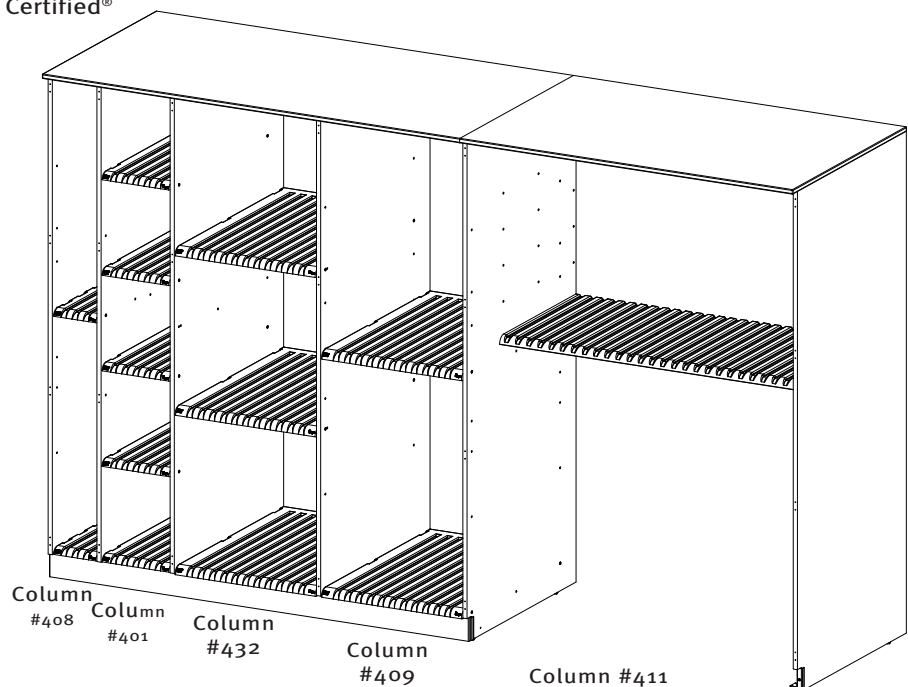
The innovative design is made with the same construction processes and many of the same performance features as Wenger UltraStor, and the continuous add-on design makes it easy to store exactly what you inventory today and still perfectly adapt to tomorrow's needs.

#### PERFORMANCE REQUIREMENTS

- An array of columns tailored to different storage needs.
- Choice of solid doors, straight grille doors or no doors.
- Edging is 1/8" (3 mm) radius PVC.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to musical instrument, equipment, and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 84" (213 cm) and 68" (173 cm) heights available to meet your students' needs.  
Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.

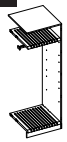

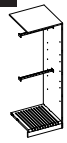
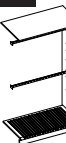
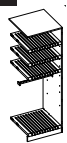

#### CONSTRUCTION

- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Optional compartment doors available in right or left-hand swing include heavy-duty 5-knuckle institutional ANSI/BHMA A156.9, Grade 1 hinge with a metal to metal connection to an aluminum extrusion.
- Available in several core substrates to meet your specific needs:  
fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Columns have four adjustable steel support feet for uneven floors.
- Optional compartment doors can be secured using standard padlocks with 3/8" (10 mm) maximum diameter x 1 3/8" (35 mm) wide shackle (padlocks not included).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for these products can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Ten-year warranty.



## Application Information

### Cabinet Specifications - Edge Storage System

<p><b>380</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 76 x 217 cm) Stores 11 Robes and Uniforms. Upper shelf for additional storage.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 11"h (65 x 70 x 28 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 66<sup>1</sup>/<sub>4</sub>"h (65 x 70 x 168 cm)</p>	<p><b>383</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 76 x 217 cm) Stores 20 Robes and Uniforms. Upper shelf for additional storage.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 9<sup>3</sup>/<sub>4</sub>"h (118 x 70 x 25 cm) 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 63<sup>3</sup>/<sub>8</sub>"h (118 x 70 x 162 cm)</p>
<p><b>381</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 76 x 217 cm) Stores 22 Uniforms.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 78<sup>1</sup>/<sub>2</sub>"h (65 x 70 x 199 cm)</p>	<p><b>384</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 76 x 217 cm) Stores 40 Uniforms.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 76<sup>1</sup>/<sub>2</sub>"h (118 x 70 x 194 cm)</p>
<p><b>382</b></p>  <p>27<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (70 x 76 x 217 cm) Stores 11 Uniforms and 12 Hats.</p> <p>Compartments: 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 11"h (65 x 70 x 28 cm) 25<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 39<sup>5</sup>/<sub>8</sub>"h (65 x 70 x 101 cm)</p>	<p><b>385</b></p>  <p>48<sup>1</sup>/<sub>2</sub>"w x 29<sup>3</sup>/<sub>4</sub>"d x 85<sup>5</sup>/<sub>8</sub>"h (123 x 76 x 217 cm) Stores 20 Uniforms and 24 Hats.</p> <p>Compartments: 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 9<sup>3</sup>/<sub>4</sub>"h (118 x 70 x 25 cm) 46<sup>1</sup>/<sub>2</sub>"w x 27<sup>3</sup>/<sub>8</sub>"d x 38<sup>3</sup>/<sub>8</sub>"h (118 x 70 x 97 cm)</p>

Using your instrumentation list and our exclusive software program, we'll analyze your needs and space requirements and create a storage layout using the most suitable cabinets.

Columns shown without doors.

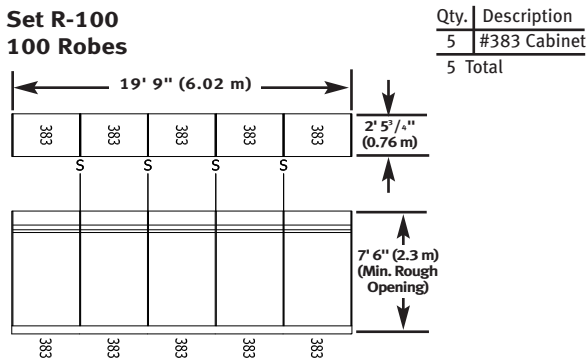
## Typical Drawings

### Edge Storage System - Suggested Robe/Uniform Sets

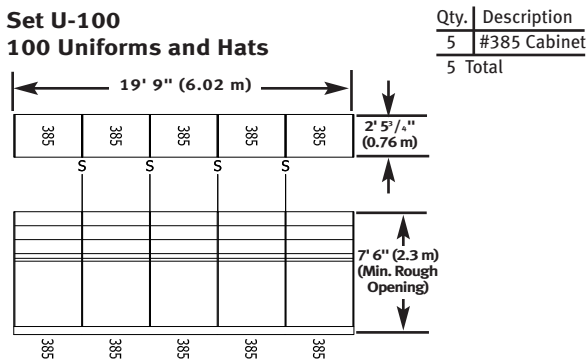
1. These drawings are not to scale.
2. Plan and Elevation Views shown in Typical Drawing section.

**NOTE:** Cabinet CAD and Revit symbols are available on the Music Facility Products and Instrument Storage CDROM. Cabinets shown without doors.

#### Set R-100 100 Robes



#### Set U-100 100 Uniforms and Hats

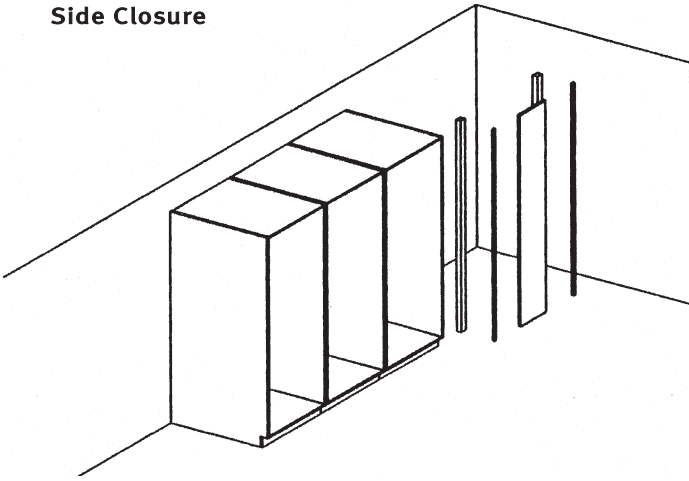


#### NOTES:

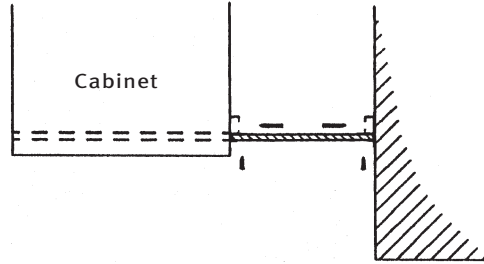
1. In an area where soffits are to be constructed above Wenger cabinets, a minimum rough opening height of 7' 6" (2.3 m) is required for system installation.
2. Columns have full double door or no door option only.
3. Standard door is left-hand swing. Right-hand swing door is available on full banks.

**Cabinet Accessories - UltraStor Storage Cabinets**

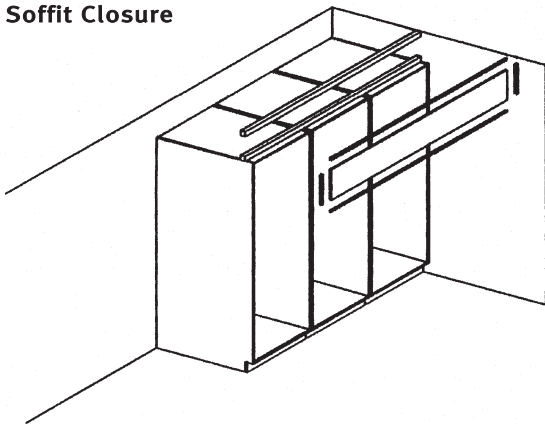
**Side Closure**



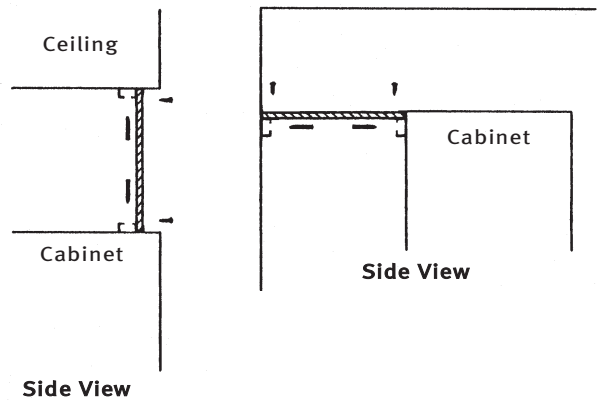
**Attachment Detail**



**Soffit Closure**

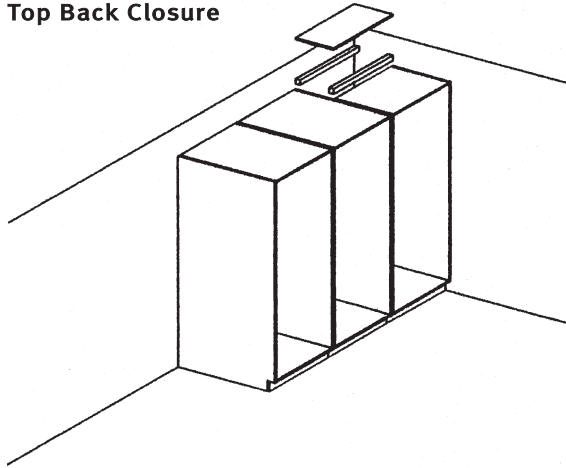


**Attachment Detail**

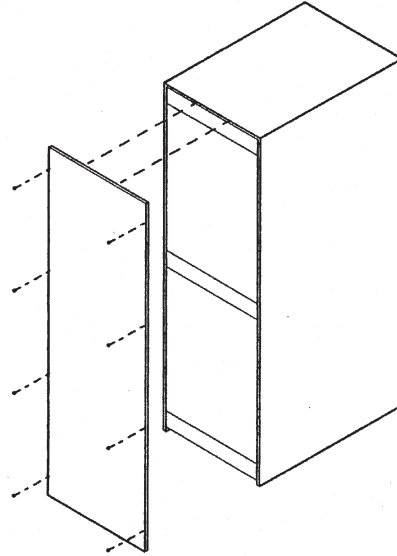


## Cabinet Accessories - UltraStor Storage Cabinets

Top Back Closure



Finished Exterior Back Panel



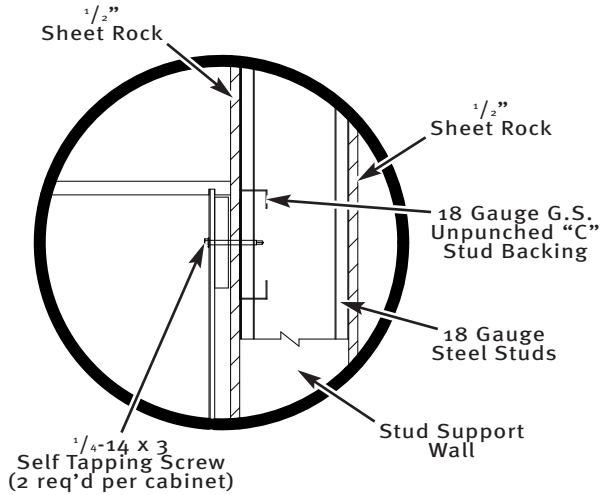
Notes:

1. For installations that require an exposed exterior back to the cabinet, finished back panels securely attach to cabinets. The finished exterior back panel is  $\frac{1}{2}$ " (12.7 cm) thick and is available in 14", 27" and 48" (36, 69 and 122 cm) widths.
2. The panel standard color is Oyster. Also available to match Wenger standard color options.

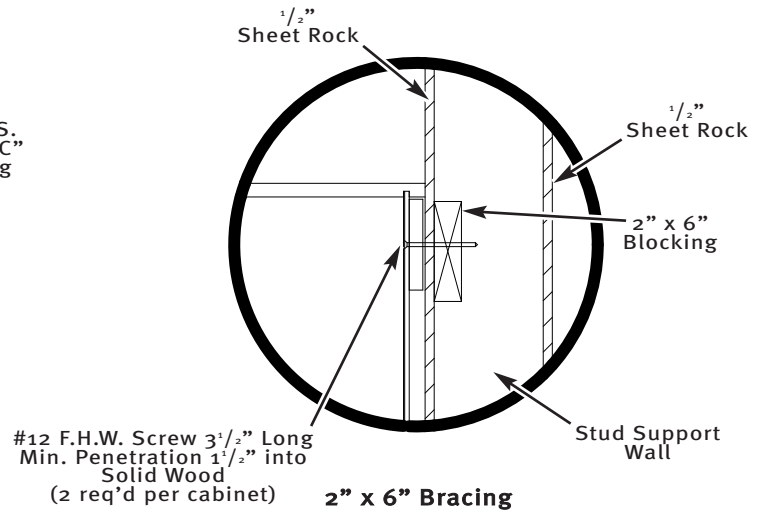
## Application Information

### Seismic Applications

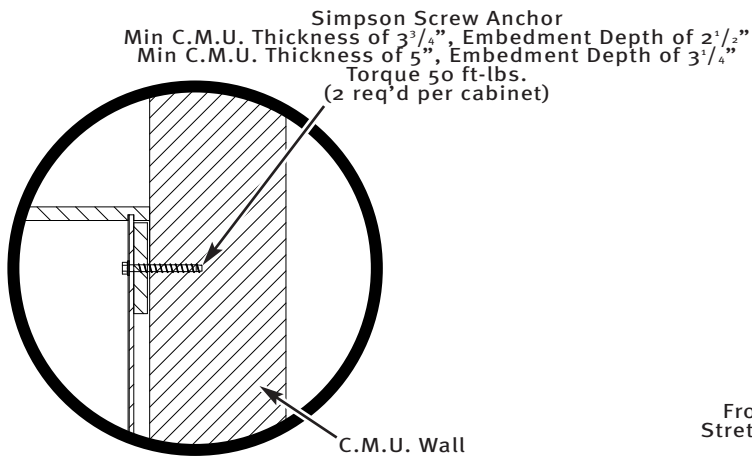
#### UltraStor™



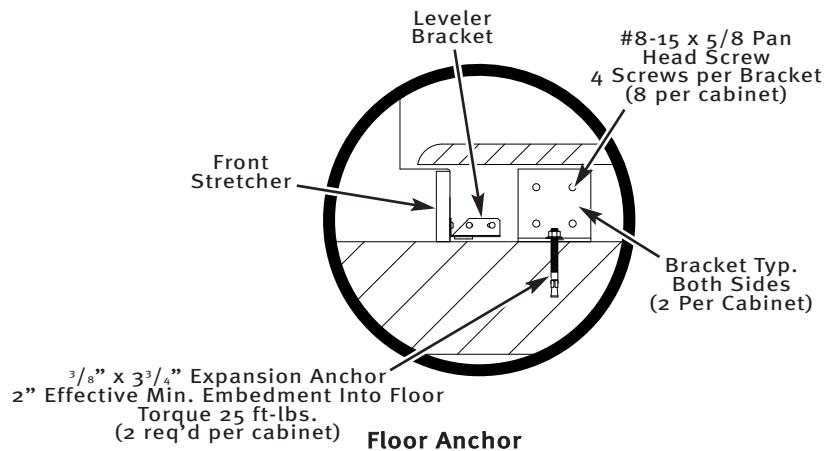
**Metal Stud Bracing**



**2" x 6" Bracing**



**Wall Anchor  
C.M.U. Bracing**

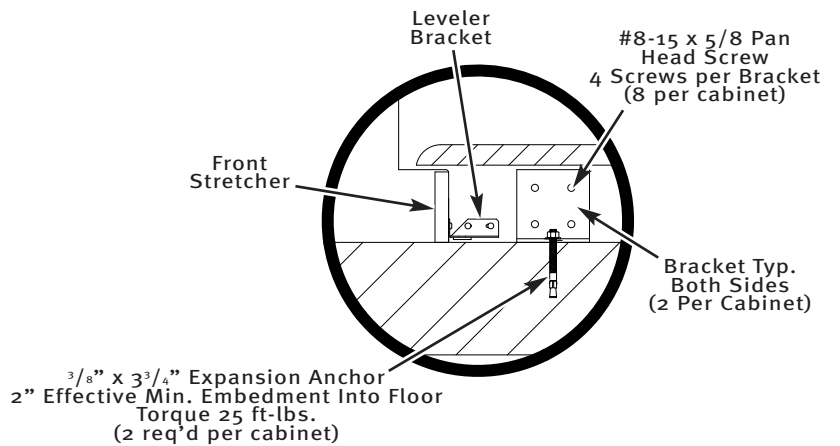
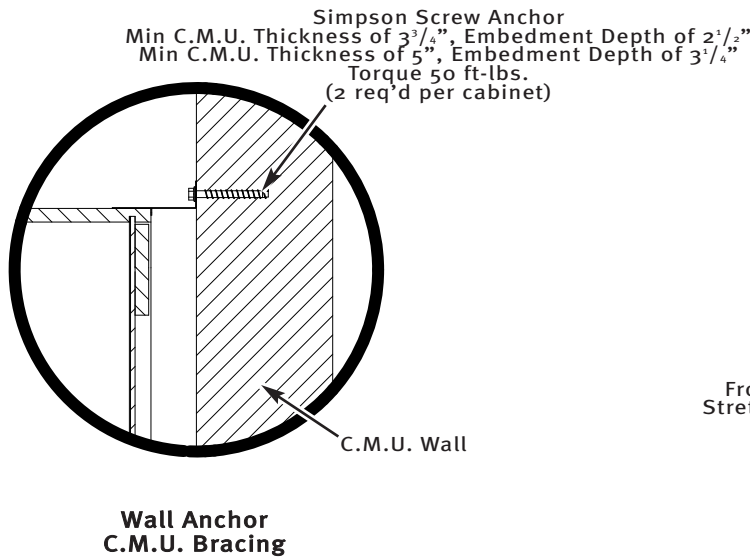
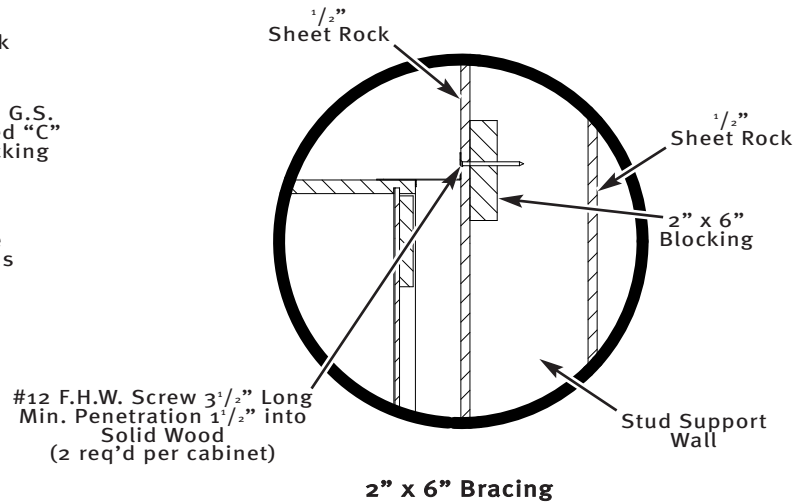
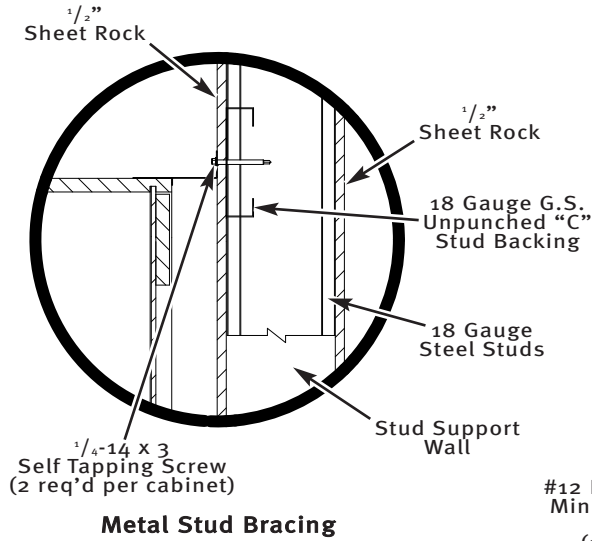


**Floor Anchor**

## Application Information

### Seismic Applications

#### AcoustiCabinets™



#### Edge™ Storage System

Seismic application requires additional wall and floor cleats and reinforced splice connectors.

## Application Information

### Corner Cabinet

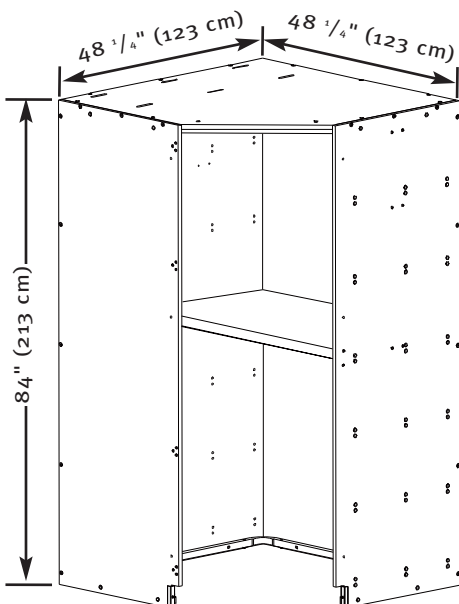
- Basic cabinet 460 lbs (209 kg).
- Multi-purpose storage cabinet with a variety of internal storage compartment options.
- Cabinet may be placed between adjacent rows of cabinets meeting in a corner, or may stand alone.
- Wall panels are  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Standard top panel is  $\frac{3}{4}$ " (19 mm) thick plywood with polyester laminate finish.
- Door opening is 24" (61 cm) wide.
- Door options:
  - Full wood door - same construction as wall panels.
  - Full grille door - welded steel grille construction with powder-coat paint finish.
  - No door.
- Cabinets have five adjustable steel leveling glides for uneven floors.
- Deflector panel is constructed of high density fiberboard with oyster laminate prevents items from falling from shelves. If FSC certified is required, deflector panel is constructed of unfinished tempered hardboard.
- Ventilation holes are built-in on cabinet top panel to dissipate moisture and aid air circulation.
- Bottom and top tubular steel frame adds strength to cabinet.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN)
- Ten-year warranty.

### Stationary Shelf Option

- Polyethylene shelf with three tubular steel support frames.
- Dimensions: 30" deep x  $46\frac{1}{2}$ " wide (76 x 118 cm).

### Garment/hangar bars

- Includes 2 steel hangar bars with holes spaced 2" (5 cm) apart.
- Each bar stores up to 20 uniforms or robes spaced 2" (5 cm) apart.



### Revolving Shelf

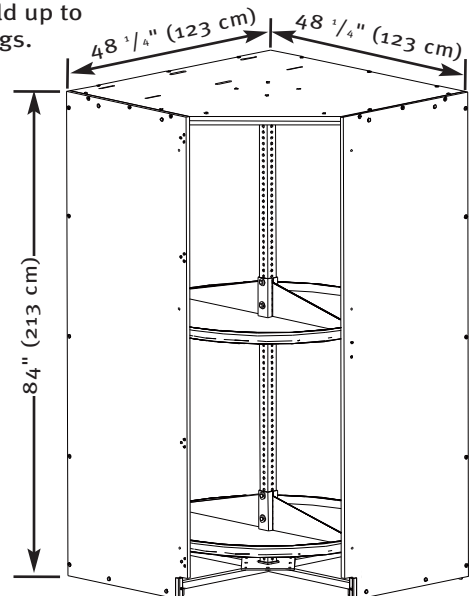
- Shelf made of 12-gauge steel in powder-coat paint finish. Attaches to revolving center post that contains adjustable holes.
- Cabinet will hold up to six 360 degree shelves.

### Garment ring

- Includes 1 set of rings made of  $\frac{5}{8}$ " (16 mm) diameter steel rod in powder-coat paint finish.
- Will hold up to 30 uniforms or 30 choral robes.
- Add a second set of rings to increase storage to hold up to 30 more uniforms maximum of 2 sets).

### Flag storage

- Includes 1 set of garment rings.
- A 360 degree bottom shelf with carpeted pad. Attaches to center post.
- Will hold up to 200 flags.





## Application Information

### Wardrobe Cabinet

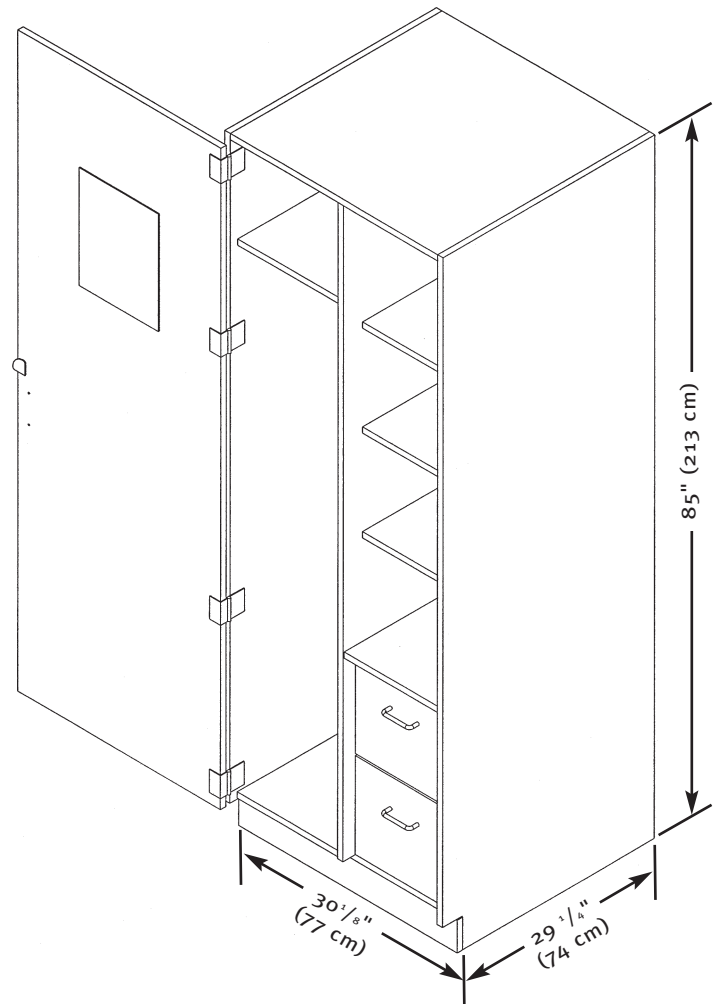
With all you give to the program, it's time you get something just for you. There's room for your performance attire, any uniforms, personal instruments, and even a special space for your personal files and records.

#### PERFORMANCE REQUIREMENTS

- Individual secure storage.
- Three adjustable shelves for added flexibility.
- Two Pendaflex file-sized drawers for storing personal files.
- Garment compartment with hanger rod and venting holes to help dissipate moisture, mildew, and odors.
- Full, locking door with individual key.
- Mirror mounted on inside of door.

#### CONSTRUCTION

- Bolt-through construction and tamper-resistant hardware.
- Shipped fully assembled, with door attached.
- 30<sup>1</sup>/<sub>8</sub>"w x 29<sup>1</sup>/<sub>4</sub>"d x 84"h (76 x 74 x 213 cm).
- Wall panels are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors. Body of cabinet matches door except for Oyster, Maple and Pebble where body finish is Oyster.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for these products can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN).
- Ten-year warranty.



## Application Information

GearBoss® by Wenger is a complete, state-of-the-art system designed to help with all aspects of your athletic program. From lockers, to storage, to equipment transport and fund-raising solutions, GearBoss products save you time, space, and effort. They're flexible and customizable so your system can change as your needs change. Plus, we'll work with you every step of the way to make sure you get exactly the right system—nothing more, nothing less.

### **GearBoss innovations are driven by these key principles:**

*Mobility* – Haul equipment and apparel wherever you need it, without hassle.

*Flexibility* – Storage systems and custom lockers that adapt to your changing needs.

*Organization* – Keep track of your equipment and apparel easily with storage and locker rooms that get in order and stay in order.

*Sanitation* – Superior ventilation and anti-microbial surfaces help equipment stay clean, dry and germ-free.

*Space* – High-Density storage and room design services for maximizing every inch of space.

*Security* – Lockable doors and side panels keep apparel and equipment safe and secure.

*Pride* – Equipment and locker rooms that set you apart and reflect your team spirit.

### **Featured Components Include:**

#### **GearBoss® High-Density Storage**

- X-Cart™
- Team Cart™
- SportCart™

#### **GearBoss® II High-Density Storage**

#### **GearBoss® Shelving**

## Application Information

### GearBoss® High-Density Storage

GearBoss high-density storage carts create more room in less space – improving space efficiency by as much as 50% – by using an innovative system of tracks and rolling carts.

X-Carts are designed to move laterally on the track and stay in your equipment room.

Team Carts are portable and engineered with retractable track guides so you can move the equipment around the room or off campus. No more wasted time running back and forth to the storage room.

Every cart can be reconfigured for maximum storage.

The best solution includes a mix of X-Carts and Team Carts, and your Wenger representative will design the best solution for you. Bottom line – you'll get a flexible sports storage system engineered to meet every challenge.

### PERFORMANCE REQUIREMENTS

- Convert traditional storage area into organized, secure high-density space.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.

### CONSTRUCTION

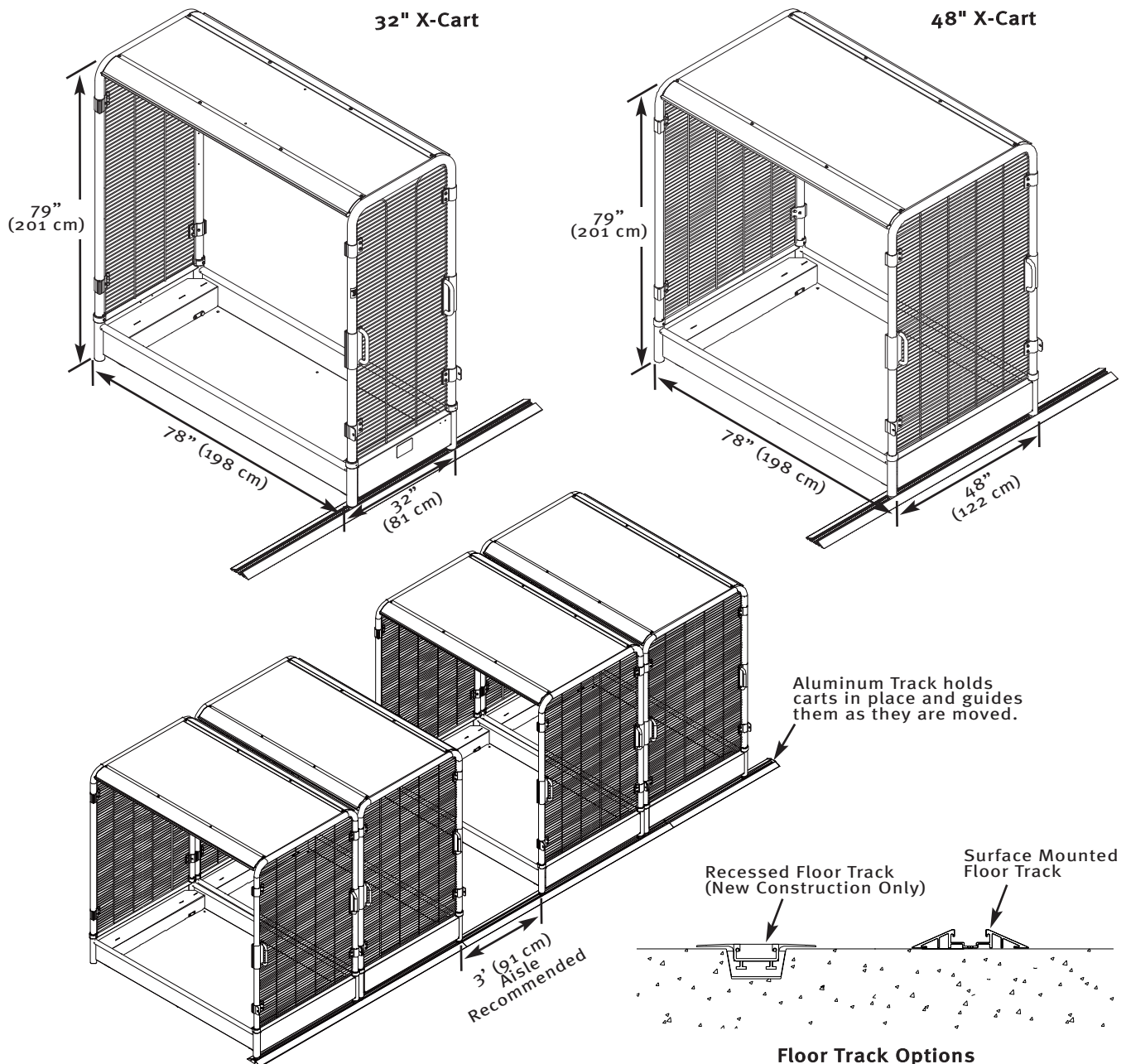
- Available in two widths 32" (81 cm) and 48" (122 cm).
- Roller guides follow the track keeping the units aligned and are made of glass-filled nylon.
- Intended for indoor use in normal ambient temperature and humidity conditions – must not be exposed to prolonged outside weather conditions.
- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant-welded heavy-duty steel wire grille end frames.
- Durable powder-coat paint finishes.
- Variety of colors available for wire grille ends.
- Heavy-duty 6" (15 cm) wheels provide easy movement.
- Roof panel constructed from solid 5/8" (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" (81 cm) wide x 78" (198 cm) long x 79" (201 cm) high.
- 48" (122 cm) wide x 78" (198 cm) long x 79" (201 cm) high.
- Five-year warranty.

## Application Information

### GearBoss® X-Cart™

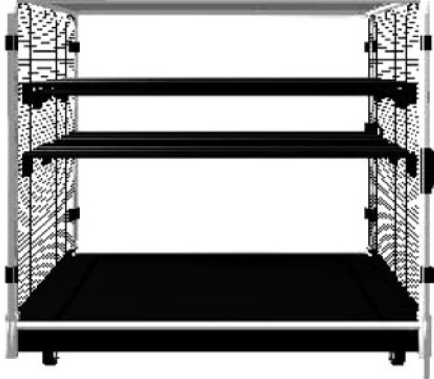
High density storage carts that maximize your space by sliding together and apart along a fixed aluminum track. Transforming your equipment room into an organized, clean, professional storage space is easy with GearBoss. Our rugged X-Carts create an efficient, smart system of storage that will save space, protect your equipment, and save you loads of time spent organizing.

X-Carts roll laterally along a fixed aluminum track creating aisles between carts when you need to get at your equipment and closing back together when you don't. Carts can be configured with a full range of panels, doors and grilles coordinated with your team colors. You can also add accessories such as doors, hanger bars, shelves, dividers, track locks and more. Select colors from the manufacturer's standard pallet.



## Application Information

### GearBoss® X-Carts™ Examples



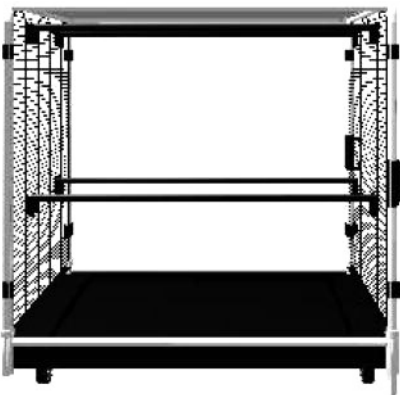
48" wide X-Cart with four 24" wide Metal Wire Shelves and two Garment Bars.

Commonly used to store uniforms  
(100 - 110 uniforms 1<sup>1</sup>/<sub>2</sub>" spacing: pants/shorts folded)



48" wide X-Cart with eight 24" wide Metal Wire Shelves.

Commonly used for folded garment storage  
(960 - 1000 t-shirts and/or shorts)



48" wide X-Cart with four Garment Bars.

Used for hanging garments  
(200 - 220 jackets hung 1<sup>1</sup>/<sub>2</sub>" spacing)

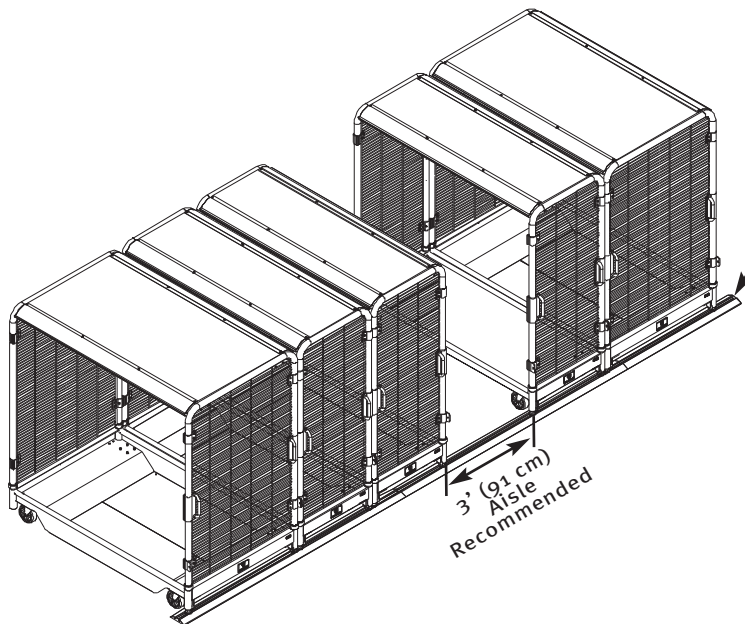
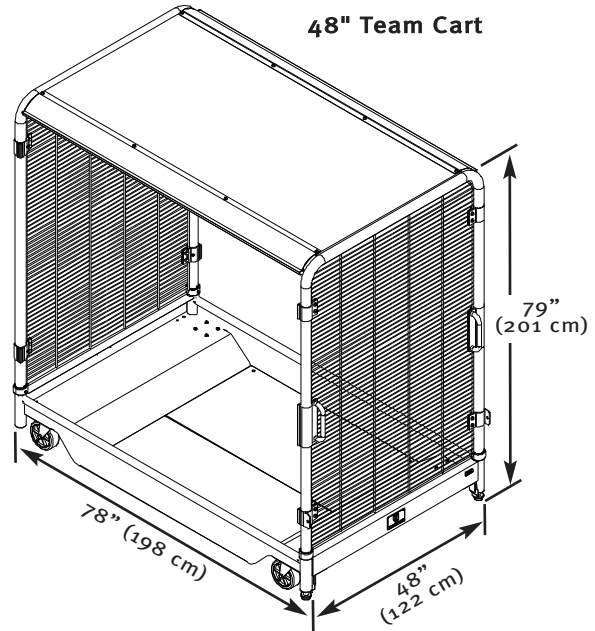
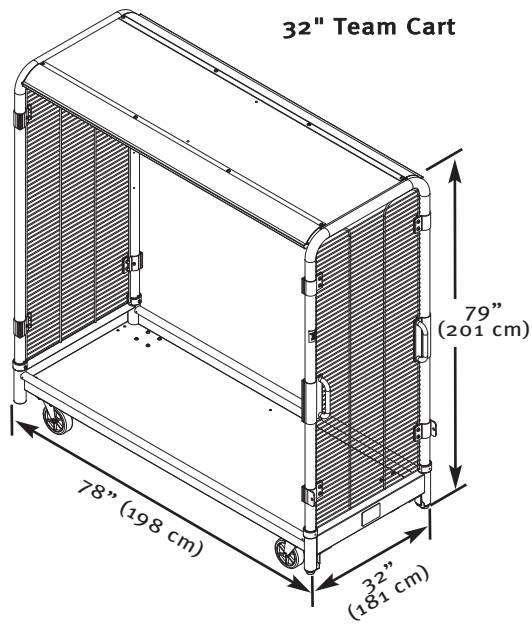
## Application Information

### GearBoss® Team Cart™

High density storage carts that can leave the track and transport your gear wherever you need it.

Now it's easy to get your equipment out of storage and to the gym, practice area, parking lot or sidelines – without breaking a sweat.

GearBoss Team Carts retain all the convenient storage benefits of X-Carts but are engineered to leave the track. Imagine all your gear organized on one or two high-density storage carts, traveling wherever it needs to go – and back again. Or park and lock your equipment in a temporary space, instantly creating safe, secure storage anywhere.



Aluminum Track holds carts in place and guides them as they are moved.



## Application Information

### GearBoss® Team Cart Examples (continued)



32" wide Team Cart with two 32" wide Metal Wire Shelves and one Garment Bar.

Commonly used to store uniforms  
(50 - 55 uniforms: jackets hung; pants folded)



32" wide Team Cart with five 32" wide Metal Wire Shelves.

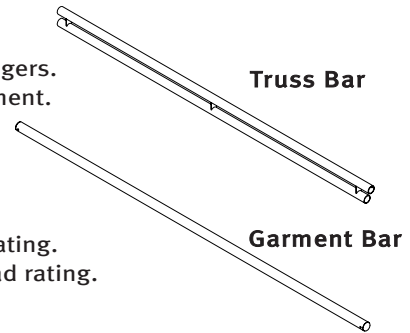
Commonly used to store shoes or hats  
(70 shoe boxes or hat boxes on shelves)

## Application Information

### ACCESSORIES

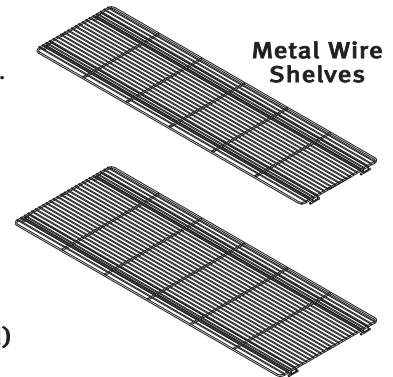
#### Truss Bar/Garment Bar

- Designed to be installed into the GearBoss X-Carts or Team Carts using two accessory hanger brackets.
- The Truss Bar is designed to be used with shoulder pad hangers, helmet hangers. The double-bar construction reduces the swinging motion of hanging equipment.
- The Garment Bar is designed to be used with standard garment hangers, support up to 175 jerseys.
- Durable powder-coat paint finish, black.
- Shipped ready to be installed, no tools required.
- Truss Bar, 1<sup>1</sup>/<sub>2</sub>" x 4" x 75<sup>1</sup>/<sub>2</sub>" long (4 x 10 x 192 cm). 200 lbs (90.7 kg) load rating.
- Garment Bar, 1<sup>1</sup>/<sub>2</sub>" diameter x 75<sup>1</sup>/<sub>2</sub>" long (4 x 192 cm). 100 lbs (45.4 kg) load rating.



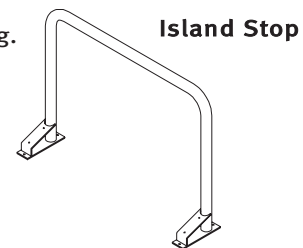
#### Metal Wire Shelves

- Designed to be installed into the GearBoss X-Carts or Team Carts using four accessory hanger brackets per shelf.
- Resistant welded construction of <sup>3</sup>/<sub>16</sub>" and <sup>5</sup>/<sub>16</sub>" (0.1875 and 0.3125) metal wires.
- Shipped ready to be installed, no tools required.
- The 24" (61 cm) wide shelf allows for shelving half of a 48" (122 cm) cart or all of the cart with two shelves.
- Wire Shelf 24" (61 cm), dimensions 21<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (55 x 190 cm). Approximate weight, 35 lbs (15.9 kg).
- Wire Shelf, 32" (81 cm), dimensions 27<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (70 x 109 cm). Approximate weight, 40 lbs (18.1 kg).
- Rated for 150 lbs (68 kg) evenly distributed.



#### Island Stop

- Designed to be permanently installed as an end stop for the GearBoss Carts.
- Welded frame constructed of durable 2" (5 cm) diameter x 16 gauge steel tubing.
- Durable powder-coat paint finish, black
- Dimensions are 9<sup>5</sup>/<sub>8</sub>" wide x 42<sup>3</sup>/<sub>4</sub>" long x 30<sup>1</sup>/<sub>2</sub>" tall (24 x 109 x 77 cm).
- Approximate weight: 24 lbs (10.9 kg).
- Shipped fully assembled.



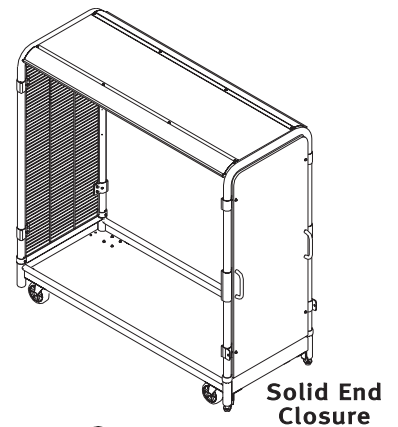


## Application Information

### ACCESSORIES (continued)

#### Solid End Closure

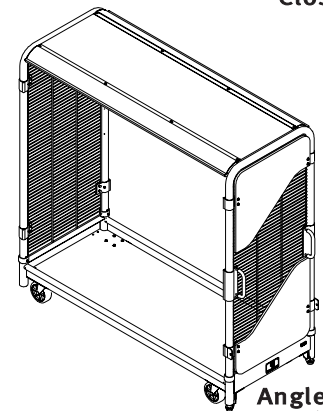
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Provides an excellent space for team logos.
- Adds a level of security to carts.
- Cart End Closure, 32" (81 cm)  
Dimensions:  $27\frac{1}{4}$ " x  $64\frac{5}{16}$ " (96 x 163 cm) Approximate Weight: 25 lbs (11.3 kg).
- Cart End Closure, 48" (122 cm)  
Dimensions:  $43\frac{1}{4}$ " x  $64\frac{5}{16}$ " (110 x 163 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Short  
Dimensions:  $21\frac{9}{64}$ " x  $43\frac{1}{4}$ " (54 x 110 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Tall  
Dimensions:  $33\frac{9}{64}$ " x  $43\frac{1}{4}$ " (84 x 110 cm) Approximate Weight: 43 lbs (19.5 kg).



Solid End Closure

#### Angled End Closure Accessory

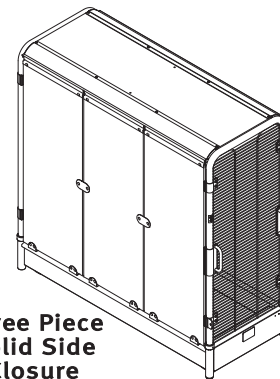
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Adds a level of Aesthetic to carts.
- Provides an excellent space for school logos.
- Shipped ready-to-assemble.
- Angle End Closure, 32" (81 cm)  
Dimensions:  $24\frac{13}{16}$ " x  $27\frac{1}{4}$ " (63 x 69 cm) Approximate Weight: 23 lbs (10.4 kg).
- Angle End Closure, 48" (122 cm)  
Dimensions:  $24\frac{13}{16}$ " x  $43\frac{1}{4}$ " (63 x 110 cm) Approximate Weight: 25 lbs (11.3 kg).



Angled End Closure

#### Three Piece Solid Side Closure Accessory

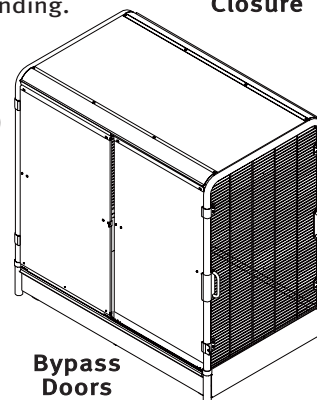
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Securely closes one side of cart opposite open side or opposite a bypass door adding a level of security to carts.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 75 lbs (34 kg).



Three Piece Solid Side Closure

#### Bypass Doors Accessory

- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Easy glide aluminum track provides convenient access.
- Sliding doors lockable with padlock (not supplied) for added security.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 86 lbs (39 kg).



Bypass Doors

## Application Information

### GearBoss® SportCart™

Compact GearBoss SportCarts can be used as part of a larger GearBoss installation or as a mobile, stand-alone solution.

They are designed for use in small spaces and for sports that require less storage. Four heavy-duty, 5" swivel casters make mobility a snap. The nimble SportCart will navigate narrow hallways, shorter door openings and most elevators. It's the small-space storage solution.

#### PERFORMANCE REQUIREMENTS

- High density storage on or off the track.
- Heavy-duty commercial-grade swivel casters for easy moving on hard surfaces such as concrete, gym floors, tile and low-pile unpadded carpet.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.

#### CONSTRUCTION

- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant welded heavy-duty steel wire grille end frames.
- Variety of colors available for wire grille ends.
- Extra wide heavy-duty 5" (12.7 cm) swivel casters made from glass-filled nylon with polyurethane non-marring outer roller guides.
- Roof panel is solid  $\frac{5}{8}$ " (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" (81 cm) wide x 41 $\frac{2}{3}$ " (106 cm) long x 74 $\frac{1}{2}$ " (189 cm) high.
- Five-year warranty.

#### ACCESSORIES

##### Swing Door & Side Closure

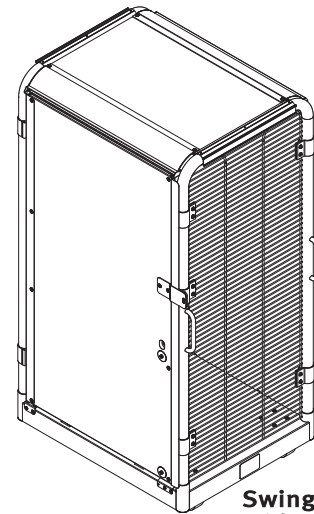
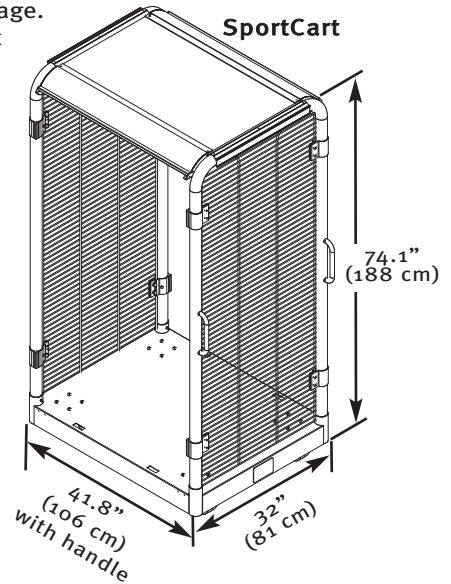
- Swing door lockable with padlock (not supplied) for added security.
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Dimensions: Swing Door 34 $\frac{1}{8}$ " x 63 $\frac{1}{2}$ " (87 x 161 cm).  
Side Closure 34 $\frac{7}{8}$ " x 65 $\frac{5}{8}$ " (89 x 167 cm).
- Approximate Weight: Swing Door 52 lbs. (24 kg).  
Side Closure 41 lbs. (19 kg).

##### Garment Bar

- Designed to be installed using two included hanger brackets.
- Designed to be used with standard garment hangers and supports up to 80 jerseys.
- Durable black powder-coat paint finish.
- Dimensions: 37 $\frac{1}{2}$ " (95 cm) x 1 $\frac{1}{2}$ " OD".
- Rated for 100 lbs. (45 kg) weight evenly distributed.

##### Metal Wire Shelves

- Designed to be installed using four included hanger brackets per shelf.
- Resistant welded construction of  $\frac{3}{16}$ " and  $\frac{5}{16}$ " (0.1875" and 0.3125") metal wires.
- Rated for 150 lbs. (68 kg) evenly distributed.
- Dimensions: 27 $\frac{5}{8}$ " x 37" (70 x 94 cm).
- Approximate Weight: 20 lbs. (9 kg).



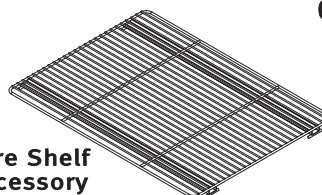
Swing Door & Side Closure Accessory



Garment Bar Accessory



Hanger Bracket (included)



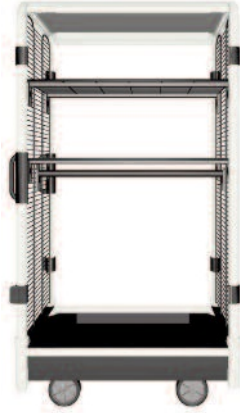
Wire Shelf Accessory

## Application Information

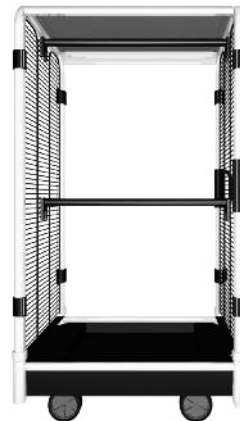
### Sport Cart examples



SportCart with three Metal Wire Shelves.  
Commonly used for folded garments  
(160 - 200 folded t-shirts and/or shorts)



SportCart with two Metal Wire Shelves and one Garment Bar.  
Commonly used for uniforms  
(25 - 30 Jackets; 1½" spacing; 80 folded pants)



SportCart with two Garment Bars.  
Commonly used for uniforms  
(55 - 60 Jackets; 1½" spacing)

## Application Information

### GearBoss® Shelving

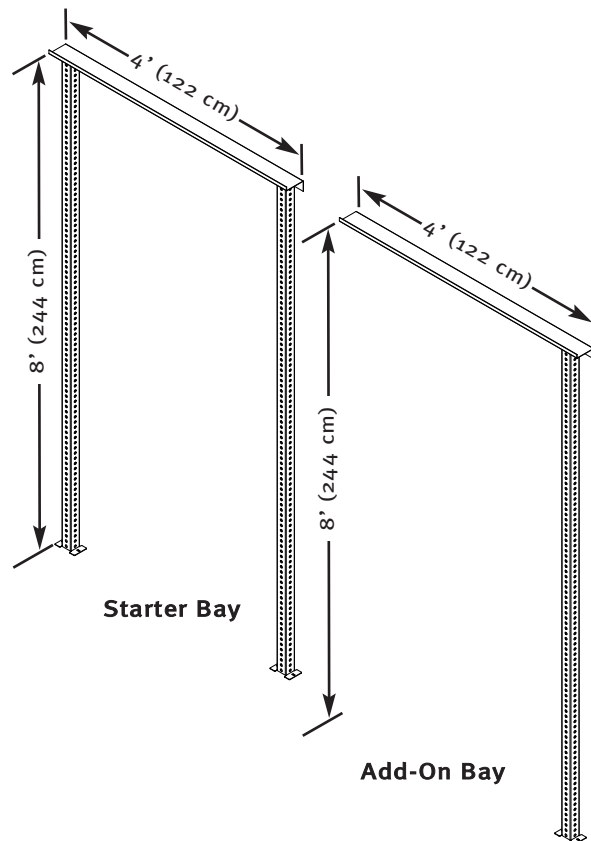
This is the affordable, flexible, durable solution for shelving storage and workspace needs. It works great for athletic, music and marching band storage; and theatre garment and prop storage. The cantilever design optimizes overhead space and keeps the floor free from supports for extra room. The system is so versatile it can be configured to your specific needs to make sure you get the maximum storage space.

#### PERFORMANCE REQUIREMENTS

- Cantilever design keeps the floor open for carts and flexible use.
- Holes at 1" (2.5 cm) increments provide easy adjustability.
- Shelves are adjustable by hand – no tools required.
- Each bay is load-rated at 1,000 lbs (450 kg) (if installation instructions are strictly followed).
- Spans doors and windows, if necessary.
- Easy to install and relocate.
- Uprights and mounting brackets are zinc-plated to avoid rust.

#### CONSTRUCTION

- Available in bays 4'w x 8'h (122 x 244 cm). Custom heights are available.
- Shelf supports are 14-gauge  $\frac{7}{8}$ " (2.2 cm) square tube-steel with silver powder-coat paint finish.
- Aluminum shelf fronts feature a  $\frac{3}{8}$ " (1 cm) lip to retain a hardboard insert or work surface option.
- Ten-year warranty.



## Application Information

### ACCESSORIES

#### Shelves, 30½" and 17½"

- 30½" (77 cm) cantilevered shelf with 4 support tubes spaced 5¼" (13 cm).
- 17½" (44 cm) cantilevered shelf with 2 support tubes spaced 5¼" (13 cm).
- Shelves can be mounted and adjusted in 1" (3 cm) increments without tools.
- Both shelves fronted with a contoured aluminum extrusion with a ⅜" (9 mm) lip to retain a hardboard insert.
- Each shelf is rated for 250 lbs (113 kg) evenly distributed, not to exceed 1,000 lbs (454 kg) per bay.
- All steel parts have a durable silver powder-coat paint finish.
- Shelf brackets are formed 12-gauge steel.
- Shelf support are 14-gauge ⅞" (22 mm) steel tubes.

#### Work Surface Panel

- 29¼" (74 cm) x 45¾" (116 cm) panel lays directly inside a 30½" shelf.
- 1⅛" (29 mm) graphite polyester laminated partical board with PVC edgebanding - black only.

#### Drawer

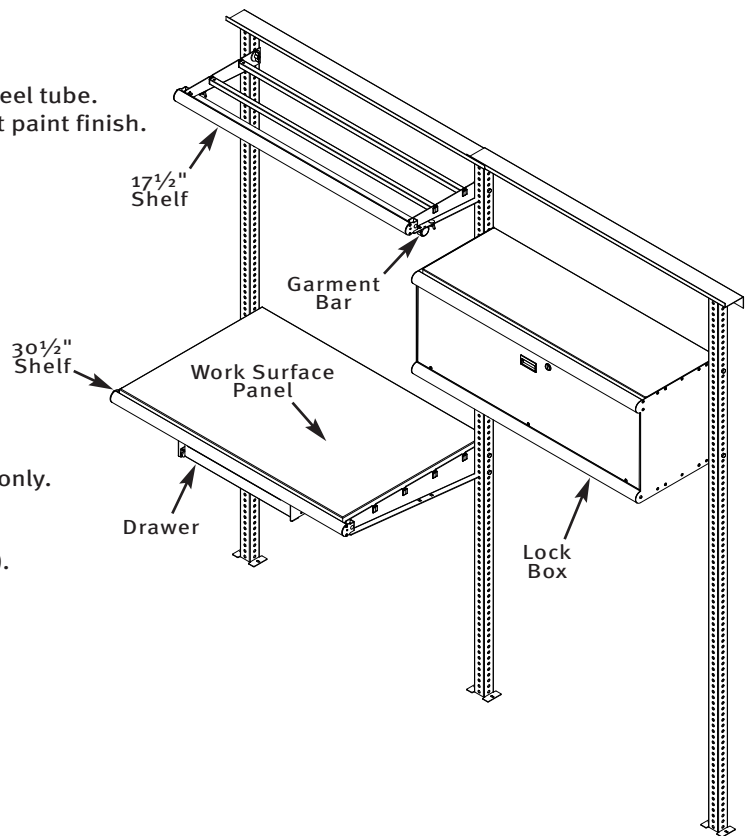
- Mounts to underside of a work surface panel accessory for a 30½" shelf.
- 14-gauge steele construction.
- Durable black powder-coat paint finish.
- Rated for 100 lbs (45 kg) evenly distributed.

#### Garment Bar/Hanging Bar

- 48" (122 cm) x 14-gauge x 1½" (4 cm) round steel tube.
- All steel parts have a durable black powder-coat paint finish.
- Durable black powder-coat paint finish.
- Mounts to underside of shelves without tools.
- Rated for 100 lbs (45 kg) evenly distributed.

#### Lock Box

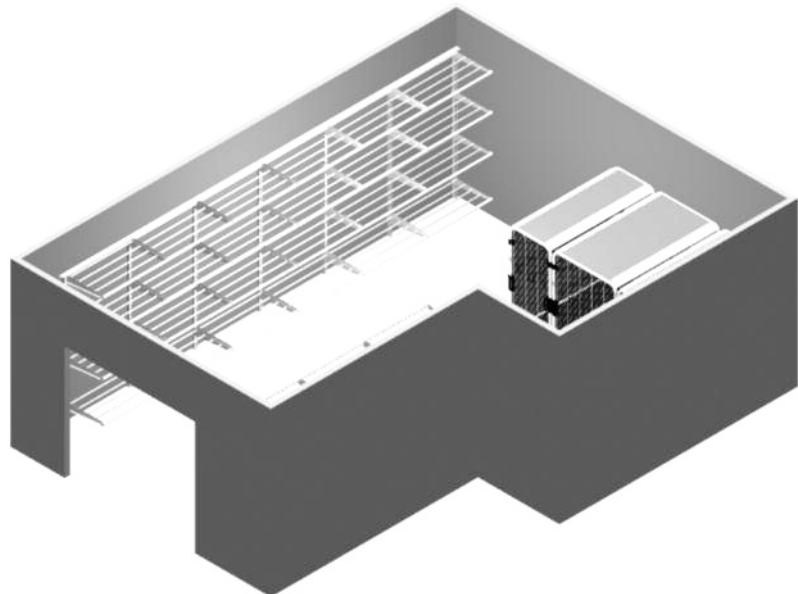
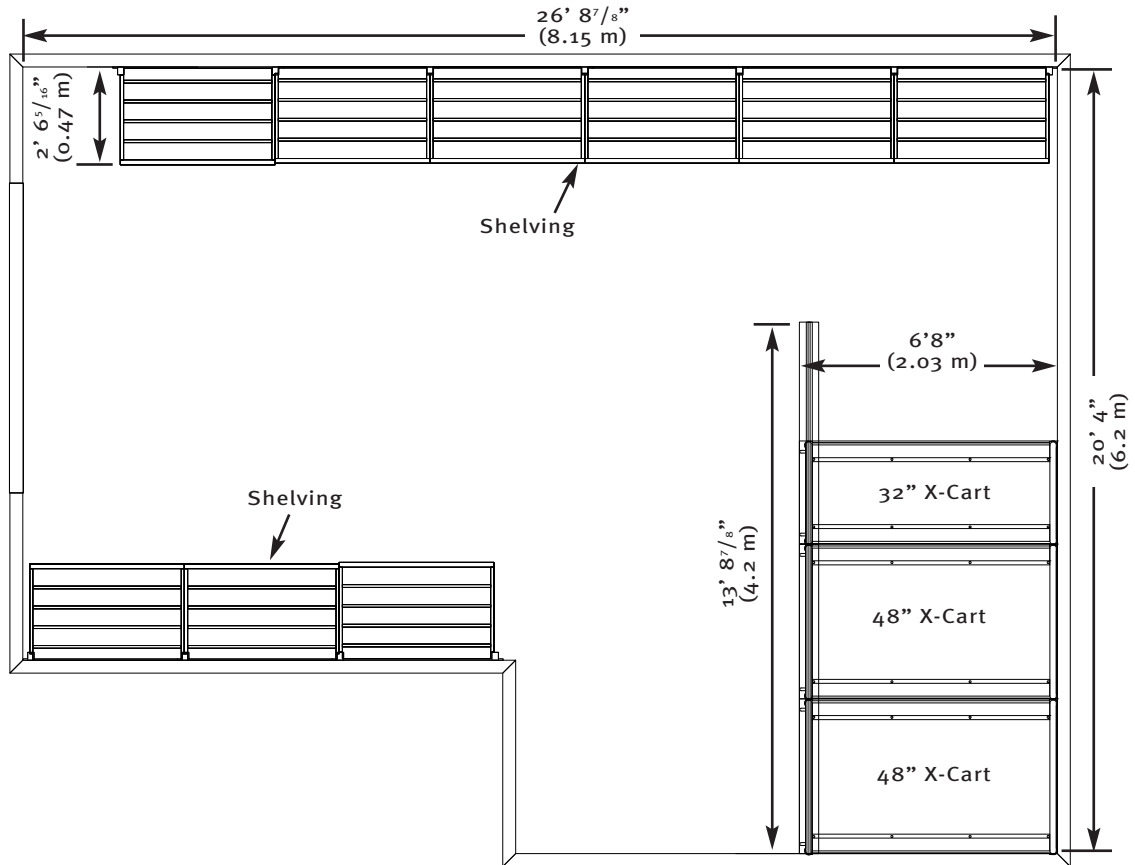
- Door is hinged at the bottom so it can drop and stay open for easy access.
- Sides, top and bottom panels are 16-gauge steel.
- Features upper and lower contoured aluminum extrusions.
- Laminated wood door with keyed lock.
- Door is ⅝" (16 mm) graphite pebble polyester laminated board with PVC edgebanding - black only.
- Rated for 100 lbs (45 kg) evenly distributed.
- Mounted and adjustable without tools.
- Dimensions: 16" x 18" x 46" (41 x 46 x 117 cm).



## Typical Drawings

### GearBoss Sample Layouts

#### GearBoss Carts and Shelving



## Application Information

### Miscellaneous information

Technical Sheets are included for:

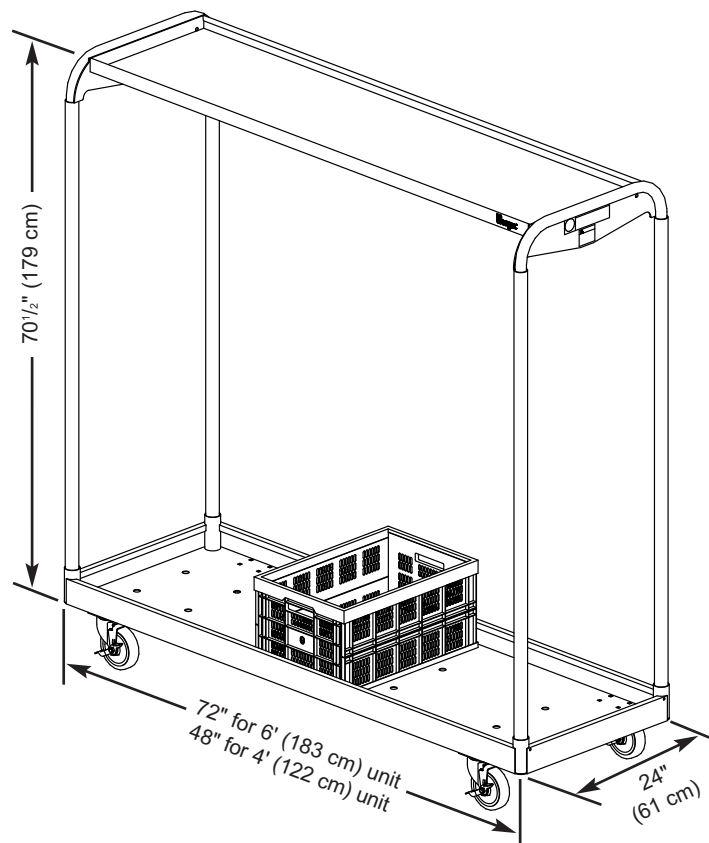
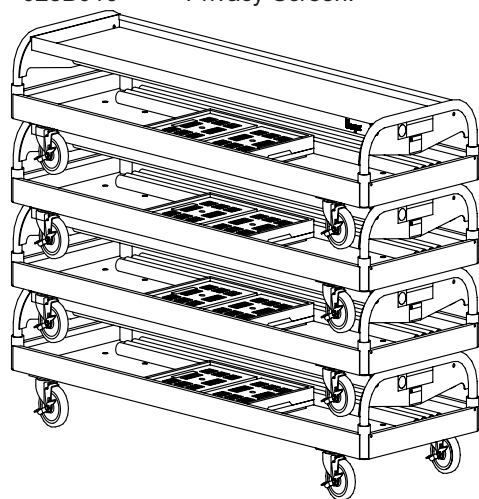
- Rack N'Roll
- OnBoard Uniform Cart
- OnBoard Cargo Cart

## Rack 'N Roll®

- 028B001 4' (122 cm) Rack 'N Roll 140 lbs (63.5 kg) including one basket.
- 028B002 6' (183 cm) Rack 'N Roll 163 lbs (74 kg) including one basket.
- Load Capacities
  - 4' (122 cm) Rack 'N Roll total load capacity - 200 lbs (91 kg), includes top shelf load capacity of 25 lbs (11 kg) and hanger bar load capacity of 100 lbs (45 kg).
  - 6' (183 cm) Rack 'N Roll total load capacity - 300 lbs (136 kg), includes top shelf load capacity of 25 lbs (11 kg) and hanger bar load capacity of 150 lbs (68 kg).
- Ideal for transporting props, costumes, or other garments.
- Equipped with full-length hanger bar with space for full-length costumes.
- Folding basket organizes smaller items and stores compactly when not in use.
- 14-gauge bottom shelf protects longer garments from dragging on the floor.
- 16-gauge top shelf is ideal for lightweight items.
- Fits through standard 32" (81 cm) door.
- 4' (122 cm) model is designed for use in passenger elevators. Minimum elevator size: 5' (153 cm).
- 4' (122 cm) model designed for one-person operation. Two people required for 6' (183 cm) model.
- Assembles without the use of tools (1/2" wrench required for initial caster assembly only).
- Durable black powder-coat paint finish.
- Hanger bar constructed of 1 1/4" 11-gauge tubing.
- Uprights constructed of 13-gauge, 1 1/2" inch outside diameter (4 cm) round tubing.
- 5" (13 cm) swivel, locking, non-marking casters provide easy maneuverability.
- Basket is 20 7/8" x 14" w x 10 7/8" h (53 x 35 x 27 cm) when open; 20 7/8" x 14" w x 2 5/8" h (53 x 35 x 7 cm) when folded.
- 4' (122 cm) model stores compactly in 24" x 48" (61 x 122 cm) floor space. Allow 70 1/2" (179 cm) for height (unloaded).
- 6' (183 cm) model stores compactly in 24" x 72" (61 x 183 cm) floor space. Allow 70 1/2" (179 cm) for height (unloaded) plus 3/8" (9.5 mm) brake protrusion on one side.
- Top of hanger bar to top of bottom shelf is 5' 1" (155 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Dust Covers have security straps and two zippers on one side. Constructed with 600 Denier material. Black in color.
- Five year warranty.

### Optional Accessories

- 028B007 Additional Folding Basket, 4.1 lbs (1.9 kg)
- 028B013 Costume Divider Tags, pack of 25
- 210A230 Hanger Retainer Clips, pack of 40
- 028B014 4' (122 cm) Dust Cover
- 028B015 6' (183 cm) Dust Cover
- 028B016 Privacy Screen.



Multiple Rack 'n Roll units can be stored stacked as shown. It is recommended that the maximum number of stacked units do not exceed four. It is also recommended that two people stack the units for storage. Not intended to be moved when stacked.

#### WENGER CORPORATION

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#### WENGER CORPORATION

CANADIAN REPRESENTATIVE OFFICE  
Phone 800.268.0148

#### WORLDWIDE

Phone 507.455.4100  
Fax 507.774.8576

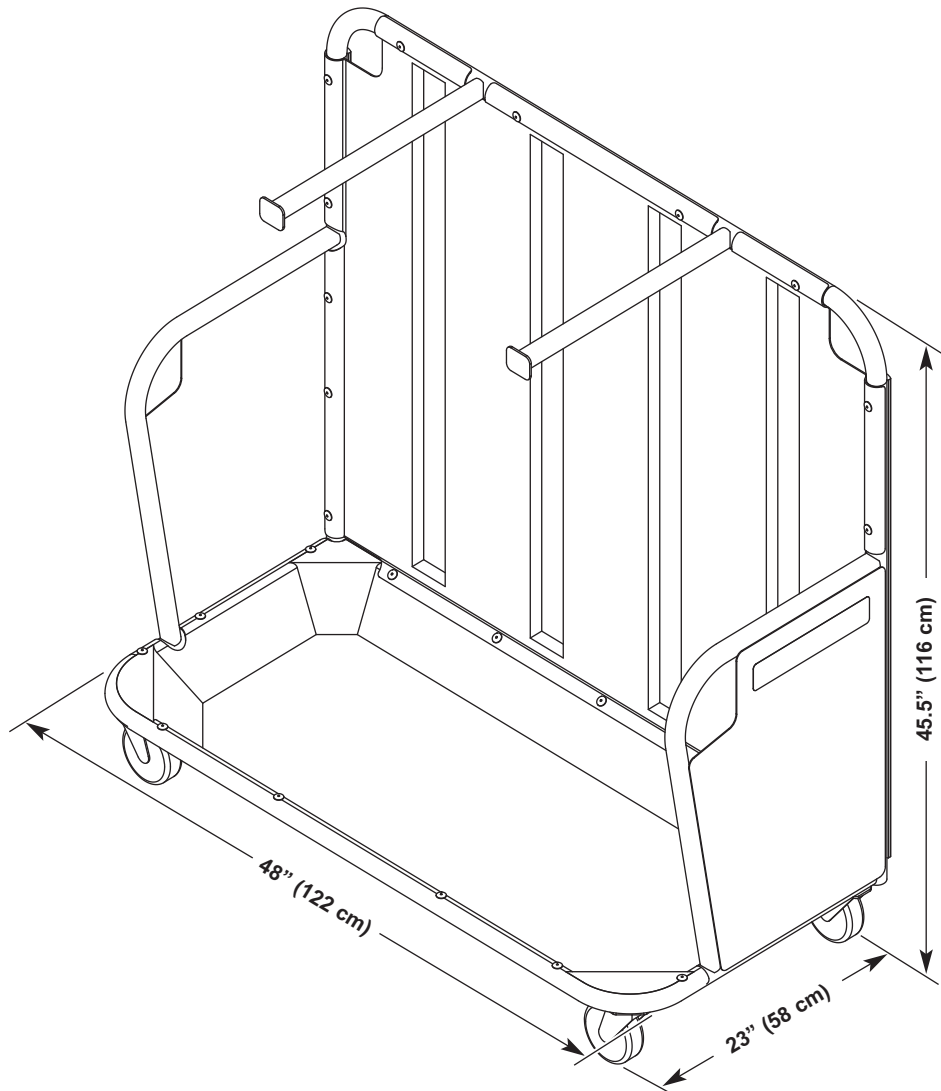
#### WEB SITE

[wengercorp.com](http://wengercorp.com)



# OnBoard® Uniform Cart

- 210A007 OnBoard Uniform Cart, 56 lbs. (25 kg).
- Ideal for transporting marching band uniforms in the storage compartments of a coach bus.
- Designed to fit into trailers, semi-trailers and trucks.
- Equipped with two 16 gauge, 1¼" (3 cm) round steel tubing with steel end plates for labeling.
- Frame is constructed of 14-gauge 1¼" (3 cm) round tubular steel in black powder-coat paint finish.
- Back and bottom tray constructed of black ABS plastic for superior strength and durability.
- Fits through standard 32" (81 cm) door.
- Includes built-in handholds for tilting and sliding cart into storage compartment - no lifting involved.
- Glides included on back of cart for sliding into compartment.
- Capacity for 24 marching band uniforms.
- 28 hanger retainer clips included with cart.
- All-swivel, non-marring solid polypropylene 4" dia. (10 cm) casters provide easy maneuverability.
- Dimensions: 48" (122 cm) long x 23" (58 cm) deep x 43" (109 cm) high.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Shipped fully assembled.



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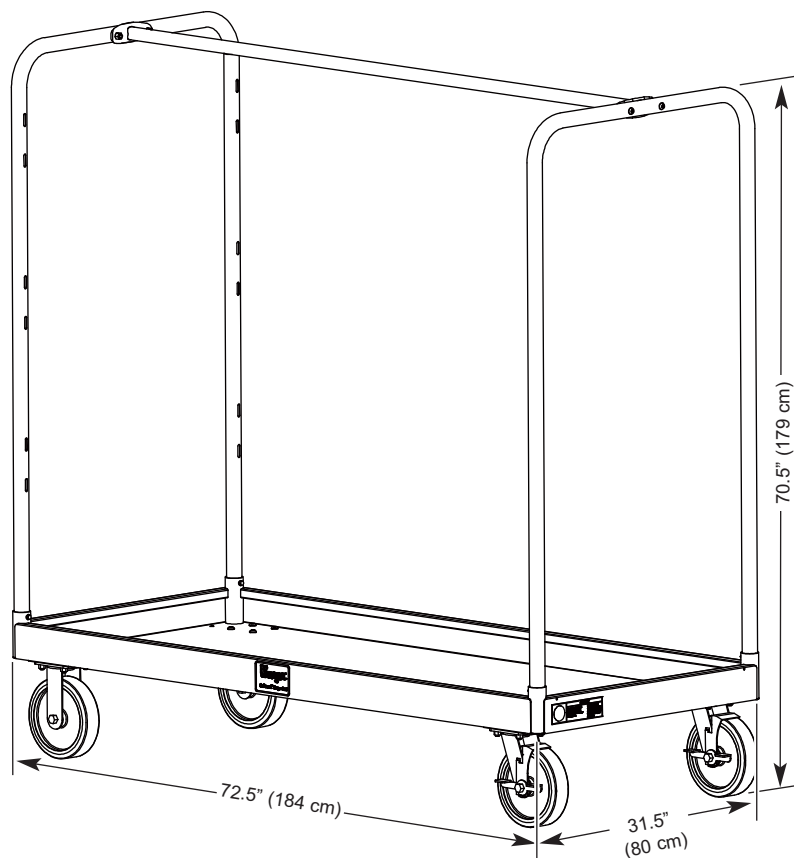
**WEB SITE**  
[wengercorp.com](http://wengercorp.com)

# OnBoard® Cargo Cart

- 210A003 6' (183 cm) OnBoard Cargo Cart, 130 lbs. (59 kg) with hard casters.
- 210A004 6' (183 cm) OnBoard Cargo Cart, 130 lbs. (59 kg) with pneumatic casters.
- Ideal for transporting marching band uniforms, hats, garments, and musical instruments.
- Designed to fit into trailers, semi-trailers and trucks with minimum 6' (183 cm) door height.
- Equipped with removable full-length garment bar and 40 hanger retainer clips.
- Fits through standard 32" (81 cm) door.
- Bottom shelf stores and transports hats, flags (under 6' [183 cm] in length) and instruments.
- Capacities: 35 marching band uniforms on garment bar, 21 hats on bottom shelf.
- Durable black powder-coat paint finish.
- Garment Bar constructed of 12-gauge 1¼" (3.2 cm) round tubing.
- Uprights constructed of 16-gauge 1¼" (3.2 cm) round tubing; include slots for adding additional shelves.
- All-swivel, non-marking solid or pneumatic casters provide easy maneuverability.
- Bottom shelf is constructed of 16-gauge steel construction with black powder-coat paint finish.
- Top of garment bar to top of bottom shelf is 5' 1½" (154 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Shipped unassembled.

## Optional Accessories

- 210A002 - Additional shelf, 50 lbs (23 kg).
- 210A230 - Hanger Retainer Clip (Bag of 40).



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# MUSIC STORAGE



**Wenger®**  
Your Performance Partner

Music Storage

# MUSIC STORAGE

Convenient and functional storage systems that reduce the space needed for storage.

## MUSIC LIBRARY SYSTEM

Not only does the Wenger Music Library System make music much more accessible and easy to locate, but it does so in only a fraction of the space. The patented high-density, roll-out design cuts storage space nearly in half when compared to standard file cabinets and also gives you a much cleaner, more organized appearance.



Ten-year warranty on all music storage products.



## PRODUCT DETAILS

### MUSIC LIBRARY SYSTEM:

- Adjustable shelves store 9" x 12" (23cm x 30cm) sheet music, file boxes, folders, etc.
- Rugged square tubular steel frame with 34 1/2" (88cm) plywood-core shelves coated in protective polyester laminate in oyster finish.
- Units are 44"d (112cm) and 16"w (41cm) when closed, 80"d (203cm) when open.
- 7-shelf model is 92"h (235cm) and requires 8' (2.4m) ceiling height; 6-shelf model is 81 1/2"h (204cm) and requires 7' (2.1m) ceiling height.
- Optional shelf lock.
- Recommended for installation on concrete or epoxy-coated concrete for best performance. Also can be installed on industrial grade carpet without pad.

## FOLIO CABINETS

Tall cabinets store up to 100 of your band, orchestra, or choral folios in a single, organized unit. Mobile units offer easy portability with adjustable shelving for band/orchestra folios or choral folios. All models are attractive, lockable and built tough to provide day-to-day reliability and long-lasting value.



## MUSIC SORTING RACK

Sort score by instrument and roll it from the music library to the rehearsal or performance space. The strong, stable Wenger design is extremely portable and will provide great convenience for years.

## STEREO WORKSTATION

This highly mobile unit is a safe, sure way to manage your stereo system. You'll find smart, dedicated spaces for all components in a design that makes everything – from the front controls to the rear wiring – easily accessible, but also locked up and secure.

## STEREO CABINET

Great stability and reliability that moves wherever you need it. This high-quality cabinet is designed to accommodate three-component systems, plus additional storage. Lockable and durable, it rolls smoothly and plugs into any standard outlet.

### COLOR OPTIONS:

Laminate Color	Wenger Maple	Pebble	Oyster	Cherry	Evening Tigris	Fusion Maple	Solar Oak
Edge Banding	Oyster	Oyster	Oyster	Cherry	Pepper Dust	Almond	Black
Hardware & Fasteners	Oyster	Oyster	Oyster	Black	Pepper Dust	Almond	Black

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**Wenger**<sup>®</sup>  
Your Performance Partner

## Overview

In addition to our Instrument and Robe/Uniform Storage Solutions, Wenger offers individualized cabinets for sheet music, elementary musical instrument, miscellaneous instrument and accessories and general storage. Designed and manufactured with the same level of quality and materials, our Music Storage solutions are built to last.

### Sheet Music Storage:

**Music Library System** - Storage options that cut sheet music storage by more than half. High-Density slide-out design organizes music with a systematic approach that can save hours.

**Folio Cabinets** - Keeps music folios organized in a mobile cabinet. Shelf space is adjustable in  $\frac{1}{2}$ " (12.7 mm) increments to accommodate choral, band and orchestra folios.

**Music Sorting Rack** - Strong, stable design that assists in the sorting of scores and easily rolls from your music library to rehearsal or performance areas.

### Other Solutions include:

- Bookcases
- Poster/Teaching Storage Cabinet
- Percussion Workstation
- Music Sorting Rack
- Mobile Folio Cabinets
- Music Lab Workstation
- Expanded Music Lab Workstation
- Class Piano Workstation
- Piano Work Desk
- ORFFgarage®
- ORFFmobile®

## Application Information

### Music Library System

- Available in 6-shelf unit 81 $\frac{1}{2}$ " (207 cm) tall or 7-shelf-unit 92" (234 cm).
  - 7-shelf unit 281 lbs. (128 kg).
  - 6-shelf unit 260 lbs. (118 kg).
- On the 7-shelf unit, four shelves are adjustable and three shelves are fixed. On the 6-shelf unit, four shelves are adjustable and two shelves are fixed.
- Constructed of plywood core with polyester laminate finish and measure 34 $\frac{1}{2}$ " wide x 13" deep (88 x 33 cm).
- Pull-out design, stores all sizes of music up to 9" x 12" (23 x 30 cm).
- Side and top panels are constructed of  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Frame is 16-gauge, 1" (3 cm) square tubular steel, painted black.
- Included are four 8" (20 cm)-diameter casters for easy movement of unit.
- Back panel is  $\frac{7}{32}$ " (5.6 mm) thick finished hardboard in oyster color, and may fit on either side of unit for left or right hand use.
- Unit requires anchoring to floor and wall, with each unit containing limiting cable and bumpers for control of side and outward movement.
- Installations involving less than 4 units must be placed in the corner of a room for stability.
- For optimal performance, Music Library Systems should be installed on concrete or epoxy coated concrete flooring. Units may also be installed on unpadded industrial grade carpeting. Not recommended for installation on padded carpeting or vinyl flooring. Fully loaded shelves are harder to pull out on softer surfaces.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN).
- End Cover, 7-shelf unit, oyster 71 lbs. (33 kg), End Cover, 6-shelf unit, oyster 63 lbs. (29 kg).
- Overall Dimensions:
  - Closed position: 16" wide x 44" deep x 92" high (41 x 112 x 234 cm) 7-shelf unit.
  - Open position: 16" wide x 80" deep x 92" high (41 x 203 x 234 cm) 7-shelf unit. 6-shelf unit is 81 $\frac{1}{4}$ " (206 cm) high.
- **NOTE:** Add 3" (8 cm) to overall width of set for installation rough opening.
- Sheet Music Capacity (approximate):
  - 7-shelf unit = 190 titles at 1 $\frac{1}{4}$ " (3 cm) spacing per title, 240 titles at 1" (2.54 cm) spacing, 300 titles at  $\frac{3}{4}$ " (19 mm) spacing.
  - 6-shelf unit = 160 titles at 1 $\frac{1}{4}$ " (3 cm) spacing per title, 200 titles at 1" (2.54 cm) spacing, 260 titles at  $\frac{3}{4}$ " (19 mm) spacing.
- Ten-year warranty.

### Accessories

- Top closure, constructed of  $\frac{3}{4}$ " (19 mm) plywood with polyester laminate finish.
- Lock option (padlocks not included).

### How to determine the number of units needed:

1. Measure your current library of sheet music in inches.

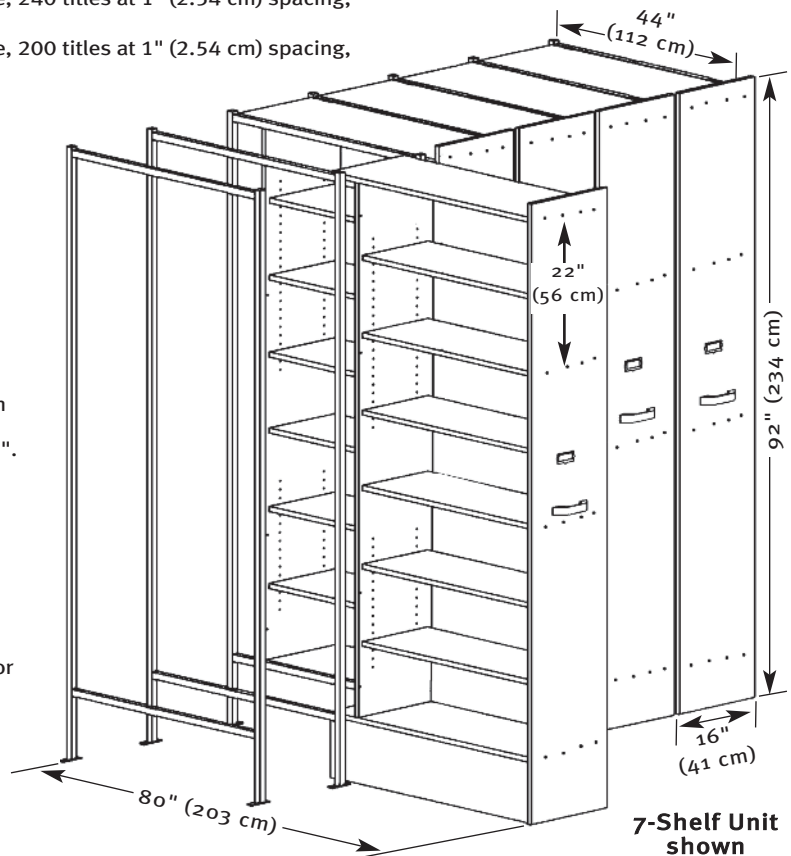
#### Filing cabinets:

Measure the depth of the music in each drawer. Do not add empty space. Total depth is the total inches of all your individual drawers combined (music only). If your cabinets are all the same depth and all full, you can arrive at total depth by multiplying the common drawer depth by the number of drawers. For instance, the total depth of forty 24"-deep drawers would be 960".

#### Open shelving:

Measure the total lineal inches of sheet music on each shelf. Music must be stacked standing straight up. Add the total of each shelf to arrive at total depth.

2. Divide total depth by the total capacity of the 6- or 7-shelf unit. 7-shelf unit total capacity = 241 $\frac{1}{2}$ ", 6-shelf unit total capacity = 207"
  - For instance, 960" divided by 241 $\frac{1}{2}$ " equals 3.98, or four 7-shelf units. 960" divided by 207" equals 4.64, or five 6-shelf units.



## Application Information

### Tall Folio Cabinets

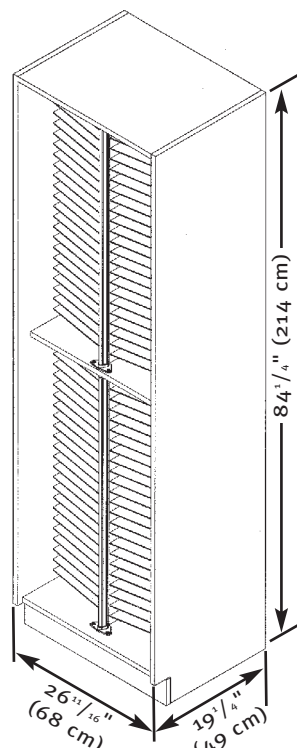
- Wall panels and optional lockable doors are  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Shelves are  $\frac{1}{8}$ " (3 mm) thick tempered hardboard.
- Available in 1", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ ", and 3" (25, 38, 51, 63, and 76 mm) shelf height openings to accommodate various thicknesses of folios.
- Shelf support columns are extruded aluminum, black powder-coat paint finish.
- Optional lockable doors are made of thermofused composite wood with polyester laminate finish.
- Cabinet includes four levelers to level and square cabinet.
- Number strips included for all shelf spacing options.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN).
- Cabinets are shipped fully assembled.
- Wall mounting bracket included.
- Ten-year warranty.

### Tall Choral Folio Cabinet

- Cabinet only: 196 lbs. (89 kg)  
(based on 1 $\frac{1}{2}$ " shelf spacing).
- Cabinet with doors: 238 lbs. (108 kg)  
(based on 1 $\frac{1}{2}$ " shelf spacing).
- Cabinet is 26 $\frac{11}{16}$ " wide x 19 $\frac{1}{4}$ " deep x 84 $\frac{1}{4}$ " high  
(68 x 49 x 214 cm).
- Shelf openings are 11 $\frac{5}{8}$ " wide x 12-3 $\frac{7}{8}$ " deep  
(30 x 31 cm).  
Shelf spacing can be adjusted in  $\frac{1}{2}$ " (13 mm) increments from 1" to 3" (25 to 76 mm).

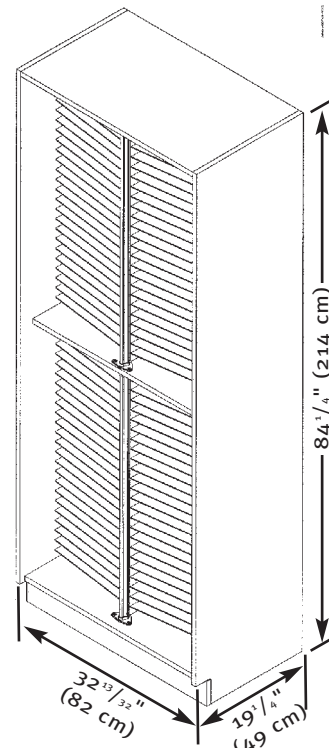
### Tall Band/Orchestra Folio Cabinet

- Cabinet only: 230 lbs. (105 kg)  
(based on 1 $\frac{1}{2}$ " shelf spacing).
- Cabinet with doors: 281 lbs. (128 kg)  
(based on 1 $\frac{1}{2}$ " shelf spacing).
- Cabinet is 32 $\frac{13}{32}$ " wide x 19 $\frac{1}{4}$ " deep x 84 $\frac{1}{4}$ " high  
(82 x 49 x 214 cm).
- Shelf openings are 14 $\frac{7}{16}$ " wide x 13 $\frac{7}{8}$ " deep  
(37 x 35 cm).
- Shelf spacing can be adjusted in  $\frac{1}{2}$ " (13 mm) increments from 1" to 3" (25 to 76 mm).



Choral Folio Cabinet

Shelf Spacing Capacity	
1" (25 mm)	144
1 $\frac{1}{2}$ " (38 mm)	96
2" (51 mm)	72
2 $\frac{1}{2}$ " (64 mm)	56
3" (76 mm)	48

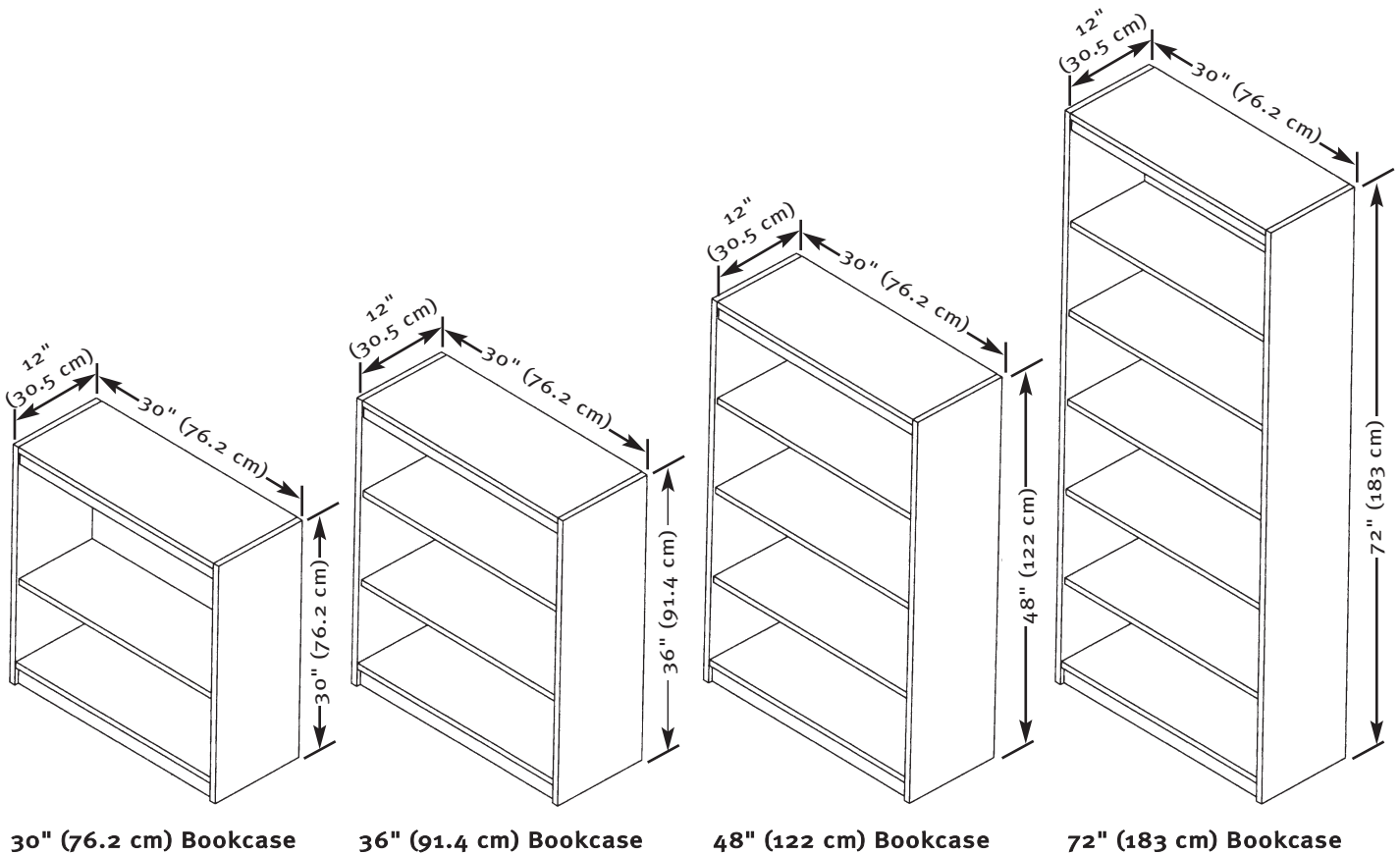


Choral Folio Cabinet

## Typical Drawings

### Bookcases

- Models:
  - 30" (76.2 cm) high - 57 lbs. (26 kg) 30" wide x 12" deep x 30" high (76.2 x 30.5 x 76.2 cm)
  - 36" (91.4 cm) high - 68 lbs. (31 kg) 30" wide x 12" deep x 36" high (76.2 x 30.5 x 91.4 cm)
  - 48" (122 cm) high - 85 lbs. (38 kg) 30" wide x 12" deep x 48" high (76.2 x 30.5 x 122 cm)
  - 72" (183 cm) high - 144 lbs. (65 kg) 30" wide x 12" deep x 72" high (76.2 x 30.5 x 183 cm).
- All shelves are adjustable. Constructed of  $\frac{3}{4}$ " (1.9 cm) plywood with thermofused polyester laminate finish.
- Sides and top panels constructed of  $\frac{3}{4}$ " (1.9 cm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- $\frac{1}{8}$ " (3 mm) thick PVC edge banding.
- Back panel is  $\frac{1}{4}$ " (64 mm) thick thermofused composite wood core with polyester laminate finish.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN).
- Bookcases are shipped ready-to-assemble.
- Ten-year warranty.





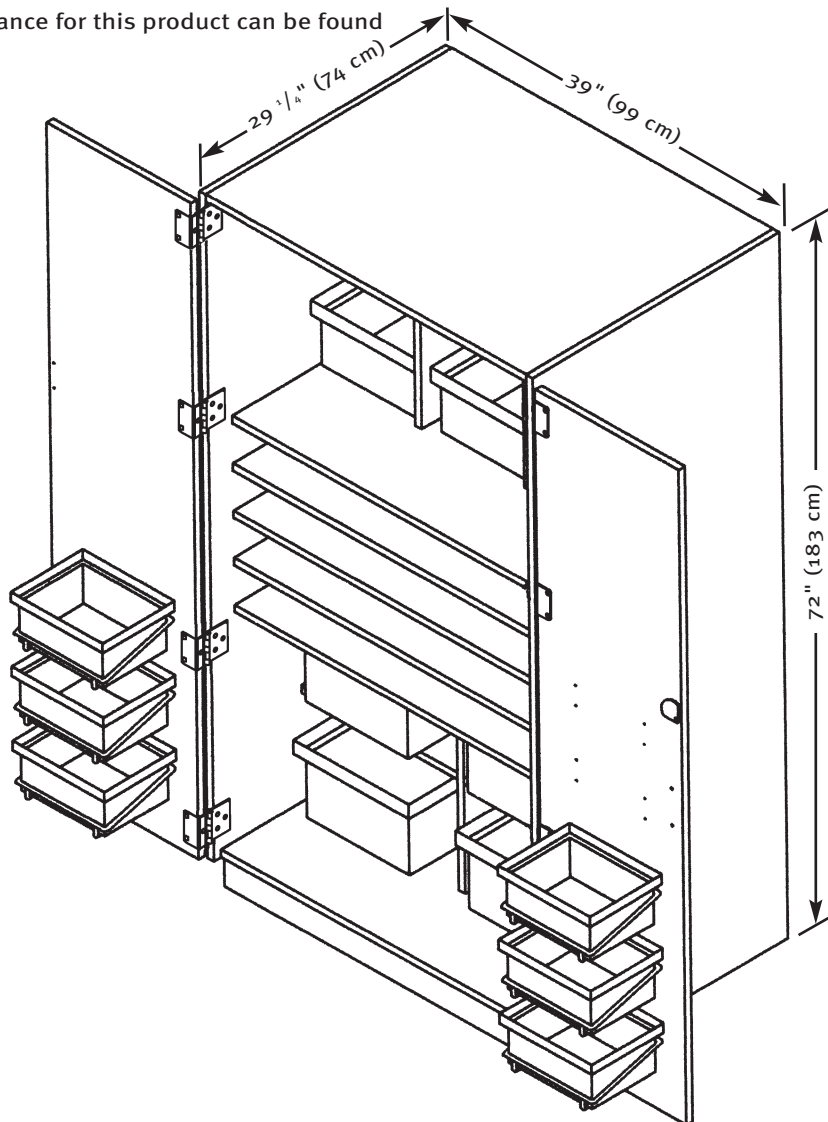
## Application Information

### Poster/Teaching Storage Cabinet

- 457 lbs. (206 kg).
- Overall dimensions: 39" wide x 29<sup>1</sup>/<sub>4</sub>" deep x 72" high (99 x 74 x 183 cm).
- Features five adjustable shelves.
- Four compartments for storage of posters, charts and other teaching materials: 37<sup>1</sup>/<sub>2</sub>" wide x 27" deep x 4" high (95 x 69 x 10 cm).
- Comes with six small storage bins with labels. Bins come in the primary colors of red, blue and yellow. Includes three medium bins and four large bins.
- Small bins are mounted on hangers inside of both doors for easy student access.
- Cabinet construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edge banding is <sup>1</sup>/<sub>8</sub>" (3 mm) thick PVC.
- Thru-bolt construction on all door hardware.
- Cabinet has locking double doors.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN).
- Cabinet is shipped assembled.
- Ten-year warranty.

### Accessories

- Small Bins (yellow) with mounting brackets, set of 4.
- Medium Bins (red), set of 4.
- Large Bins (blue), set of 2.



## Application Information

### Miscellaneous information

Technical Sheets are included for:

- Percussion Workstation
- Music Sorting Rack
- Mobile Folio Cabinets
- Music Lab Workstation
- Expanded Music Lab Workstation
- Class Piano Workstation
- Piano Work Desk
- ORFFgarage
- ORFFmobile

# Percussion Workstation

- Percussion Workstation 147G001.\_ 230 lbs (104 kg) with accessories: 251 lbs (113 kg).
- Workstation is 48<sup>1</sup>/<sub>8</sub>" wide x 24<sup>1</sup>/<sub>2</sub>" deep x 35<sup>3</sup>/<sub>4</sub>" high (122 x 62 x 91 cm).
- Workstation construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edging is <sup>1</sup>/<sub>8</sub>" (3 mm) radiused PVC.
- Workstation top is <sup>3</sup>/<sub>4</sub>" (19 mm) industrial grade composite wood with industrial grade carpet on top.
- Plywood bottom is <sup>3</sup>/<sub>4</sub>" (19 mm) with four 4" (10 cm) rubber swivel casters that make it easy to move from room to room.
- Workstation has four foam-lined 21<sup>1</sup>/<sub>2</sub>" wide x 19<sup>3</sup>/<sub>4</sub>" deep x 3<sup>1</sup>/<sub>2</sub>" high (55 x 50 x 9 cm) drawers constructed of 18 gauge steel with built-in handle.
- Four 23" wide x 23" deep (58 x 58 cm) compartments, 3<sup>1</sup>/<sub>2</sub>" (9 cm) high and 15<sup>3</sup>/<sub>4</sub>" high (40 cm).
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Shipped assembled.
- Ten-year warranty.

## Accessories

### Pop-up Music Desk

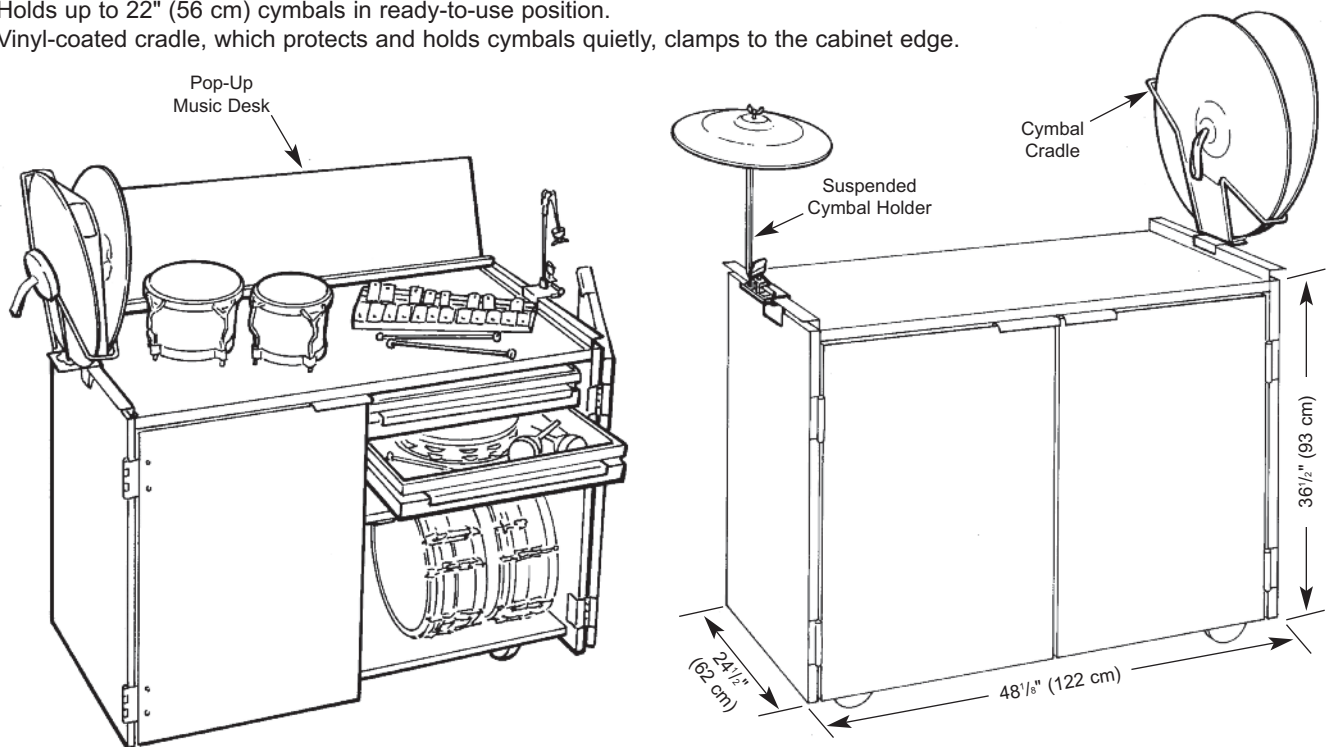
- 147G510.\_ 17.7 lbs. (7.7 kg).
- Holds music for three or more people.
- Desk is 46<sup>1</sup>/<sub>8</sub>" wide x 17<sup>1</sup>/<sub>16</sub>" deep x 10<sup>3</sup>/<sub>4</sub>" high (117 x 4 x 27 cm).
- Desk construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Desk permanently attaches to work top and folds flat when not in use.

### Suspended Cymbal Holder

- 147B014 2 lbs. (0.9 kg).
- Adjustable vinyl-coated holder clamps to cabinet edge.

### Cymbal Cradle

- 147C012 7 lbs. (3 kg).
- Holds up to 22" (56 cm) cymbals in ready-to-use position.
- Vinyl-coated cradle, which protects and holds cymbals quietly, clamps to the cabinet edge.



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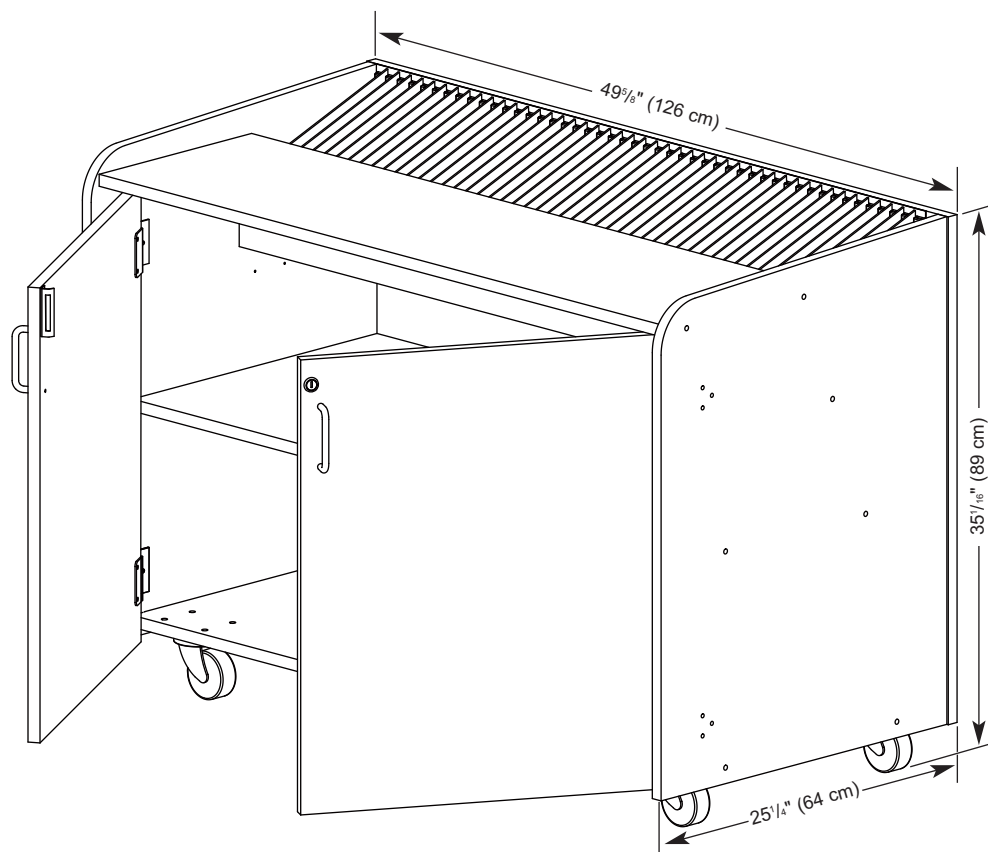
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## Music Sorting Rack

- 173E050.\_ 165 lbs. (74 kg).
- Contains 46 vertical slots for individual parts.
- Slot dimension: 1" thick x 10<sup>1</sup>/<sub>2</sub>" deep x 9" high (2.54 x 26 x 23 cm).
- 1/8" (3 mm)-hardboard dividers keep individual parts separated.
- Cabinet construction is 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- 1/8" (3 mm)-thick PVC edgebanding.
- Instrumentation label provided for each slot.
- Includes four swivel casters.
- Includes two lower storage compartments for additional music.
- Cabinet is shipped assembled.
- Overall dimensions: 49<sup>5</sup>/<sub>8</sub>" wide x 25<sup>1</sup>/<sub>4</sub>" deep x 35<sup>1</sup>/<sub>16</sub>" high (126 x 64 x 89 cm).
- Optional full-length wood door - same construction as wall panels.
  - Doors must be included at the time of ordering as they can not be installed later.
  - Doors include heavy-duty 5-knuckle institutional ANSI/BHMA A156.9, Grade 1 hinge, through - bolted to cabinet wall.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Ten-year warranty.

### Accessories

- 173A052 25 lbs. (11 kg) lockable formaldehyde free industrial grade composite wood doors.



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# Mobile Folio Cabinets

- Wall panels and optional lockable doors are 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Shelves are 1/8" (3 mm) thick tempered hardboard.
- Choral shelves are 11 1/2" wide x 12 1/2" deep (29.2 x 31.8 cm) and Band/Orchestra shelves are 14 1/4" wide x 14 1/2" deep (36.2 x 36.8 cm)
- Available in 1", 1 1/2", 2", 2 1/2", and 3" (25, 38, 51, 63, and 76 mm) shelf height openings to accommodate various thicknesses of folios.
- Shelf support columns are extruded aluminum with black powder-coat paint finish.
- Each cabinet includes four 3" (7.6 cm) swivel casters (two locking) to make transport easy. Four column choral cabinet contains six swivel casters for added support when transporting.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Number strips included for all shelf spacing options.
- Cabinets are shipped fully assembled.
- Wall mounting bracket included for tall folio cabinets.
- Ten-year warranty.

**Mobile Choral Folio Cabinets:**

**146M022, Two-column Choral Folio Cabinet:**

- Cabinet only 125 lbs. (57 kg), with doors: 149 lbs. (68 kg) (based on 1 1/2" shelf spacing).
- Cabinet is 26 3/4" wide x 17 5/8" deep x 50 7/8" high (68 x 45 x 129 cm).

**146M023, Three-column Choral Folio Cabinet:**

- Cabinet only 169 lbs. (77 kg), with doors: 205 lbs. (93 kg) (based on 1 1/2" shelf spacing).
- Cabinet is 39 7/16" wide x 17 5/8" deep x 50 7/8" high (100 x 45 x 129 cm).

**146M024, Four-column Choral Folio Cabinet:**

- Cabinet only 216 lbs. (99 kg), with doors: 298 lbs. (135 kg) (based on 1 1/2" shelf spacing).
- Cabinet is 51 3/4" wide x 17 5/8" deep x 50 7/8" high (131 x 45 x 129 cm).

**Mobile Band/Orchestra Folio Cabinets:**

**146M032, Two-column Band/Orchestra Folio Cabinet:**

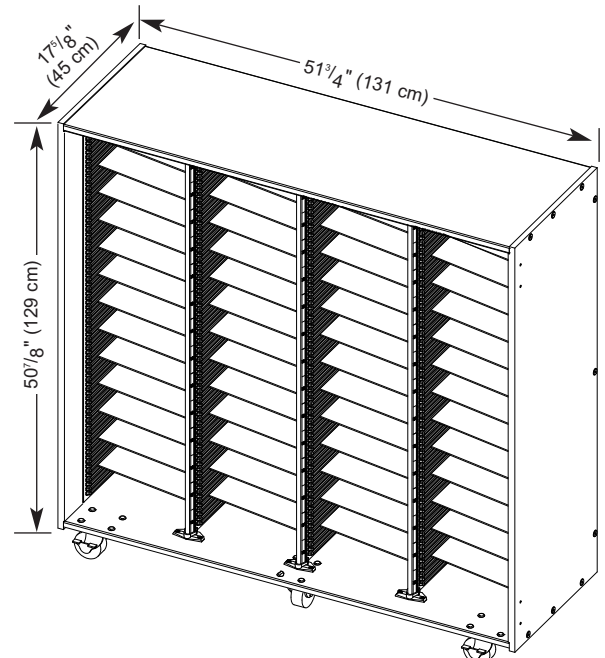
- Cabinet only 147 lbs. (67 kg), with doors: 178 lbs. (81 kg) (based on 1 1/2" shelf spacing).
- Cabinet is 32 7/16" wide x 17 5/8" deep x 50 7/8" high (82 x 45 x 129 cm).

**146M033, Three-column Band/Orchestra Folio Cabinet:**

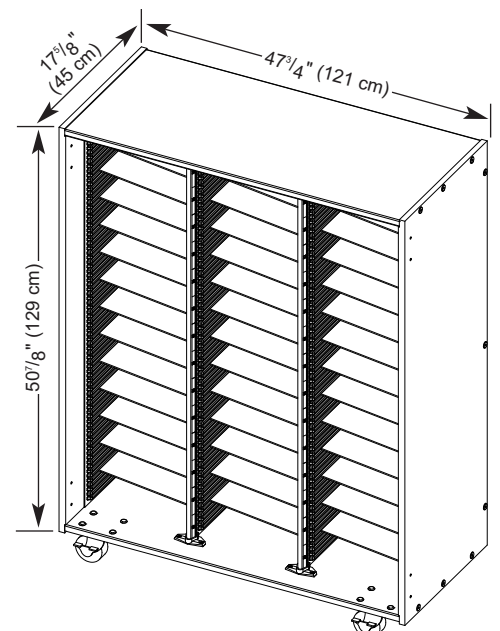
- Cabinet only 205 lbs. (93 kg), with doors: 250 lbs. (114 kg) (based on 1 1/2" shelf spacing).
- Cabinet is 47 3/4" wide x 17 5/8" deep x 50 7/8" high (121 x 45 x 129 cm).

**Shelf Spacing Capacity**

Cabinet	Shelf Spacing				
	1"	1 1/2"	2"	2 1/2"	3"
2-Column Choral	84	56	42	34	28
3-Column Choral	126	84	63	51	42
4-Column Choral	168	112	84	68	56
2-Column Band/Orchestra	84	56	42	34	28
3-Column Band/Orchestra	126	84	63	51	42



4-Column Choral Folio Cabinet



3-Column Band/Orchestra Folio Cabinet

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# Music Lab Workstation

- 225C100.\_ 217 lbs (98 kg).
- Lower pull-out tray for computer keyboard, 29" wide x 14" deep (74 x 36 cm).
- Holds 61-key music keyboards/synthesizers up to 16" deep (41 cm).
- Desk is 1 1/8" (3 cm) thick industrial grade particleboard core with polyester laminate, music keyboard space is 48" wide x 16" deep (122 x 41 cm).
- Sides and upper shelf panels are constructed of 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Back panel constructed of 3/4" (19 mm) thick plywood core with polyester laminate finish.
- Low profile monitor space designed for monitors up to 20" wide (51 cm).
- Edging is 1/8" (3 mm) radiused PVC.
- Four single space rack mounting provided.
- 6-outlet power strip with 4' (122 cm) remote switch on cord, 15 amp, 120VAC, UL listed, 15' (4 m) long power cord with surge suppression.
- Four swivel 4" (10 cm) diameter rubber casters, two locking.
- Two lockable rear services doors for easy access to wiring.
- Lower level shelf holds external hard drives, 18" high x 18" deep (46 x 46 cm).
- Pull-out tablet arm, 10" wide x 15" deep (25 x 38 cm).
- Self mounting or free-standing 20" wide x 12" high (51 x 30 cm) acrylic music holder included.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Brass headphone hook included.
- Six wire management clips included.
- Rolls through 36" (91 cm) standard doorway.
- Base frame constructed of 16 gauge, 2 1/4" (5.7 cm) square tube, bolted to side panels.
- Overall dimensions:  
49 1/2" wide x 39" high x 32" deep  
(126 x 99 x 81 cm).
- Shipped ready-to-assemble.
- Ten-year warranty.

## Accessories

### Workstation Chair

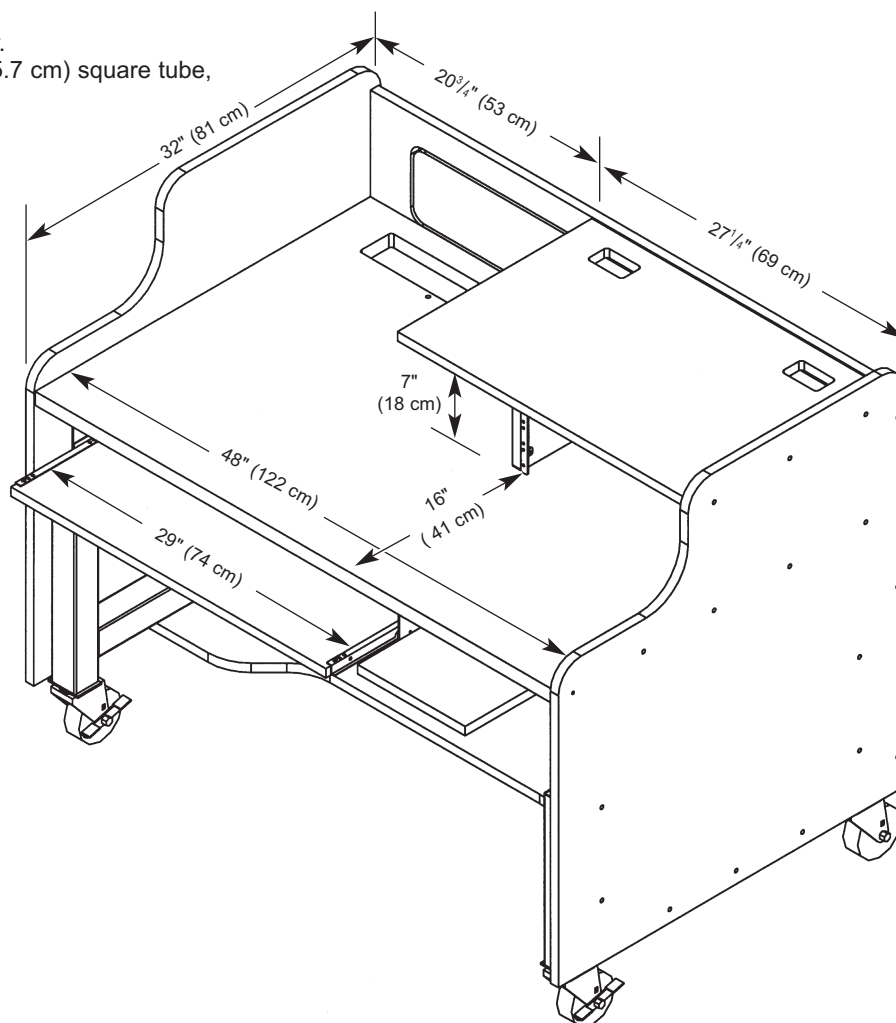
- 223C010 without arms 30 lbs (14 kg).
- 223C020 with arms 36 lbs (16 kg).
- Ergonomic task chair.
- Fabric or poly seat.
- Pneumatic height adjustment.
- 5-caster base.
- Available in black only.

### Acrylic Music Holder

- 222A151 5 lbs (2 kg).
- Slides over desk or sits on top.
- 20" wide x 11 1/2" high (51 x 29 cm).

### Wire Clips

- 220A007 1 lb (0.45 kg).
- Package of eight.



#### WENGER CORPORATION

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# Expanded Music Lab Workstation

- 225C103\_ 280 lbs (127 kg).
- Lower pull-out tray for computer keyboard, 29" wide x 14" deep (74 cm x 36 cm).
- Holds 88-key music keyboards/synthesizers up to 16" deep (91 cm).
- Desk is 1/8" (3 cm) thick industrial grade particleboard core with polyester laminate, music keyboard space is 48" wide x 16" deep (122 x 41 cm).
- Sides and upper shelf panels are constructed of 3/4" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Back panels constructed of 3/4" (19 mm) thick plywood core with polyester laminate finish.
- Low profile monitor space designed for monitors up to 20" wide (51 cm).
- Edging is 1/8" 3mm radiused PVC.
- Eight single spaces of rack mounting provided.
- 8-outlet power strip with remote master switch, 15 amp, 120VAC, UL listed, 12' (366 cm) long power cord, surge suppression, accommodates up to 4 transformer type plugs, lifetime warranty.
- Four swivel 4" (10 cm) diameter rubber casters, two locking.
- Two lockable rear services doors for easy access to wiring.
- Lower level shelf holds external hard drives, 18" high x 18" deep (46 x 46 cm).
- Pull-out tablet arm, 10" wide x 15" deep (25 x 38 cm).
- Self mounting or free-standing 20" wide x 12" high (51 x 30 cm) acrylic music holder included.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Brass headphone hook included.
- Six wire management clips included.
- Rolls through 36" (91 cm) standard doorway.
- Base frame constructed of 16 gauge, 2 1/4" (5.7 cm) square tube, with telescoping adjustable leg in zinc plated finish.
- Adjustable leg adjusts in one inch increments from 28 1/2" to 35 1/2" high (72 x 90 cm), meets ADA requirements for handicap access.
- Overall dimensions:  
61 1/2" wide x 39" high x 32" deep (156 x 99 x 81 cm).
- Shipped ready to assemble.
- Ten-year warranty.

## Accessories

### Workstation Chair

- 223C010 without arms 30 lbs (14 kg).
- 223C020 with arms 36 lbs (16 kg).
- Ergonomic task chair.
- Fabric or poly seat.
- Pneumatic height adjustment.
- 5-caster base.
- Available in black only.

### Acrylic Music Holder

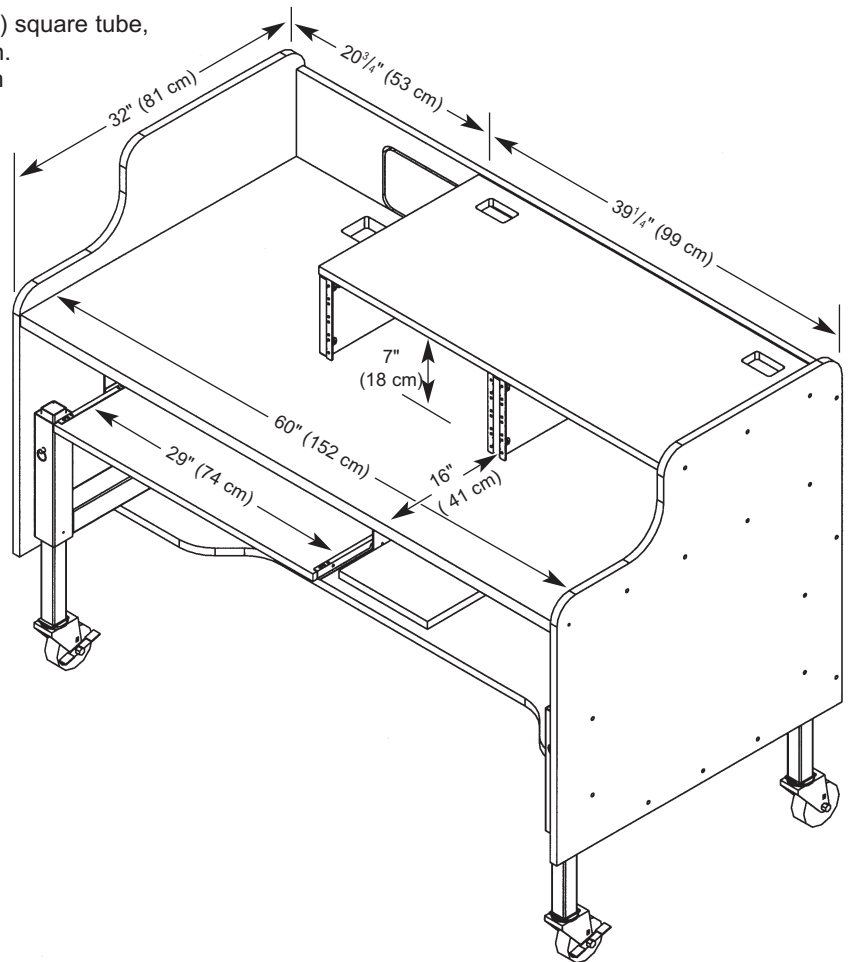
- 222A151 2.5 lbs (1 kg).
- Slides over desk or sits on top.
- 20" wide x 11 1/2" high (51 x 29 cm).

### Power Strip

- 220B008 5 lbs (2 kg).
- 8 outlets, 15 amps, 120VAC.

### Wire Clips

- 220A007 1 lb (0.45 kg).
- Package of eight.



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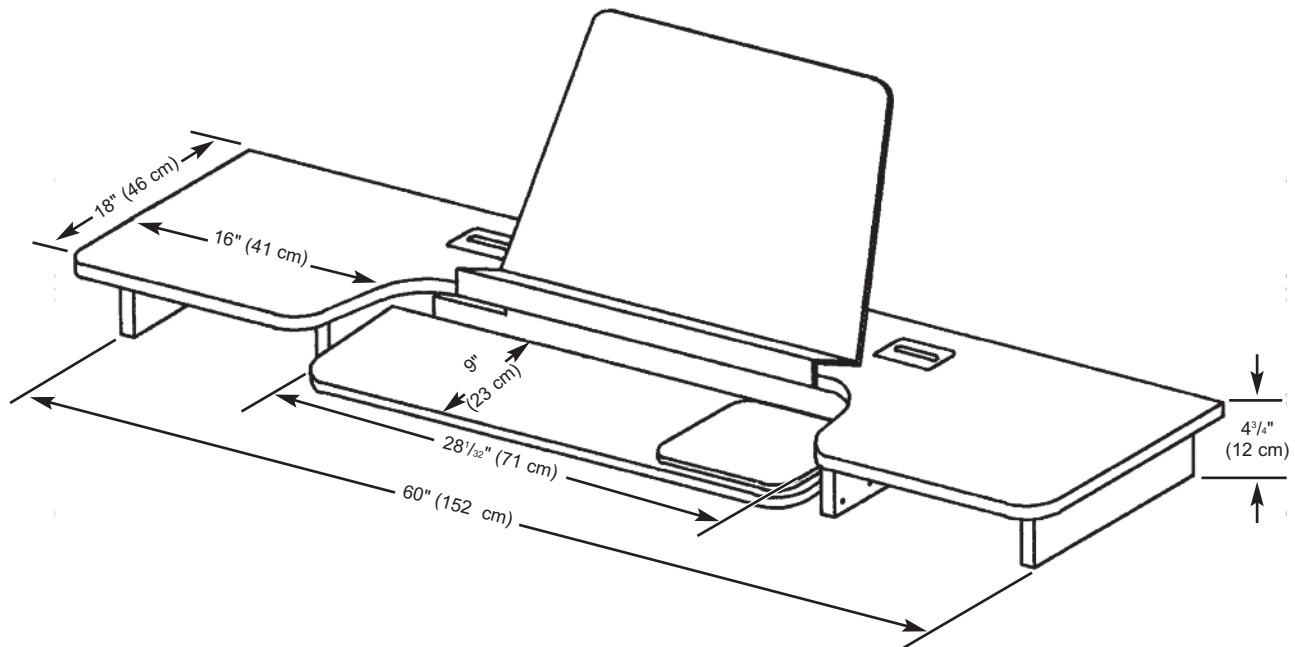
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## Class Piano Workstation

- 225C024.\_ 56 lbs (25 kg).
- Construction is  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.  
Edging is  $\frac{1}{8}$ " 3 mm radiused PVC.
- Includes 20" wide x 11 $\frac{1}{2}$ " high (51 x 29 cm) acrylic music holder.
- Built-in 15 amp, 6-outlet power strip, UL listed.
- Computer terminal shelf measures 18" deep x 16" wide (46 x 41 cm), both left and right hand usage.
- Pull-out computer keyboard tray adjusts for many different types of applications.
- Rubber cupped feet attach firmly to most makes of digital pianos with a flat top surface.
- Plastic cover to protect and conceal wiring is included.
- Mouse pad is included.
- Adjustable side panels to fit both 88 and 76-key free standing digital pianos.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- U.S. Patent D365,465.

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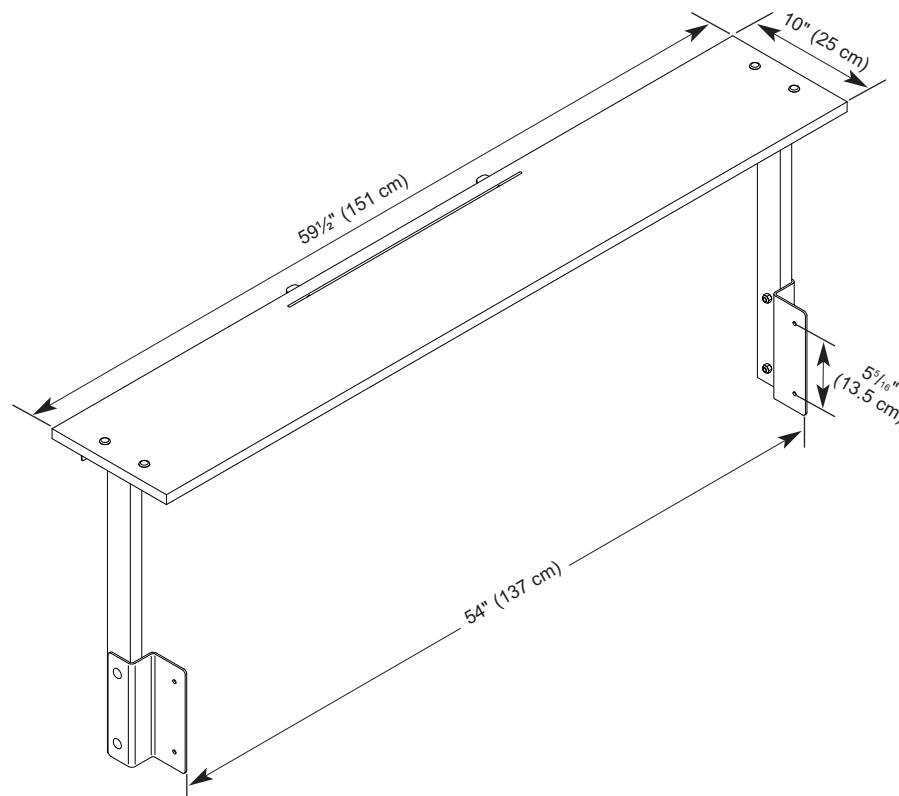
# Piano Work Desk

## Construction

- 225A100 28 lbs (12.7 kg).
- Heavy-duty polyester oyster laminate is adhered to  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with 3 mm vinyl edgebanding on all edges.
- Reinforced for strength with steel sheet metal with grey powder-coat paint finish.
- Supported by steel uprights with grey powder-coat paint finish.
- Surface dimensions are  $59\frac{1}{2}$ " long x 10" deep (151 x 25 cm).

## Performance Requirements

- Allows for better usage of space.
- Creates a work surface to hold computers, equipment, books or music.
- Fits on Yamaha YPG635 and DGX630 digital pianos.
- Connects directly to the piano stand with existing fasteners, no need to add holes.
- Slot to move an existing music tray from the piano to the work desk.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Ten-year warranty.



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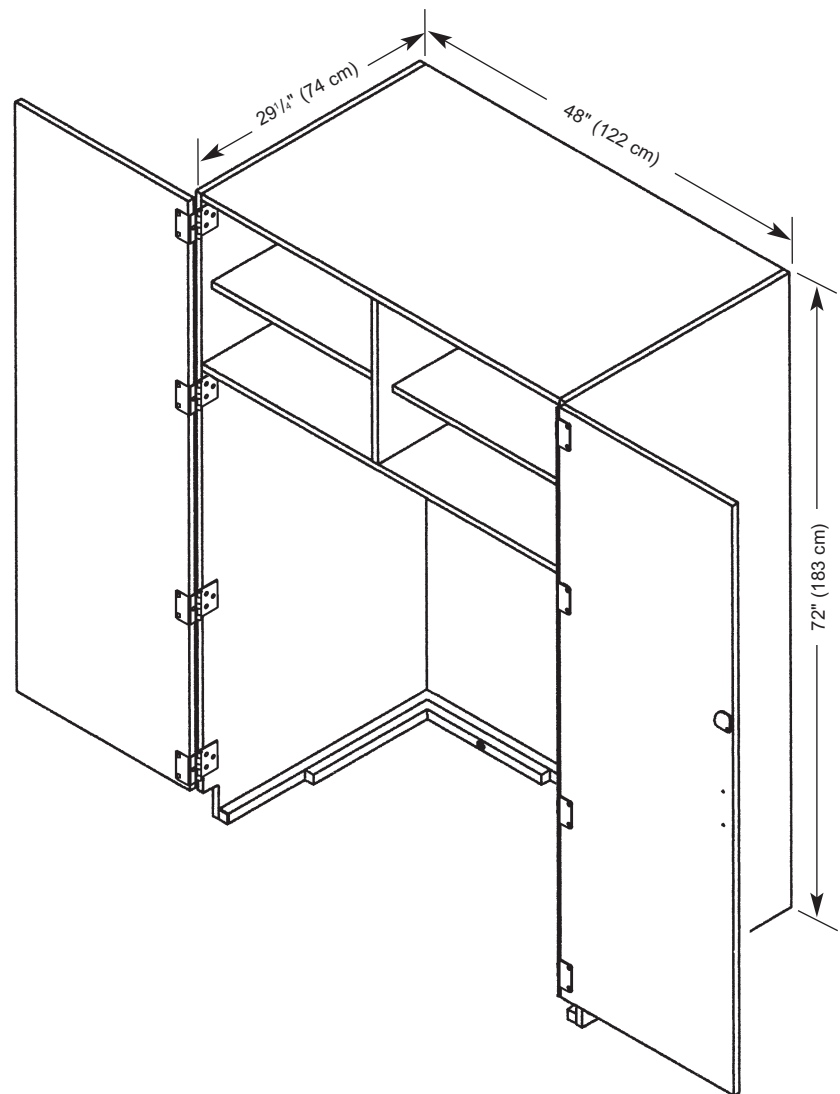
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## ORFFgarage®

- 168D001\_ 430 lbs (195 kg).
- Comes with four adjustable shelves for storage of various sizes of Orff instruments.
- Overall dimensions: 48" wide x 29<sup>1</sup>/<sub>4</sub>" deep x 72" high (122 x 74 x 183 cm).
- Floorless lower compartment is designed exclusively for Wenger ORFFmobile.
- Cabinet construction is <sup>3</sup>/<sub>4</sub>" (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard colors.
- Edge banding is <sup>1</sup>/<sub>8</sub>" (3 mm) thick PVC
- Square tubular steel frame in bottom of cabinet provides rigidity and strength.
- Includes locking double doors.
- Thru-bolt construction on all door hardware.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Shipped assembled.
- Ten-year warranty.

### ORFFgarage instrument storage capacity:

- 2 - Alto Metallophones
- 2 - Soprano Metallophones
- 2 - Soprano Xylophones
- 5 - Soprano Glockenspiels
- 5 - Alto Glockenspiels.



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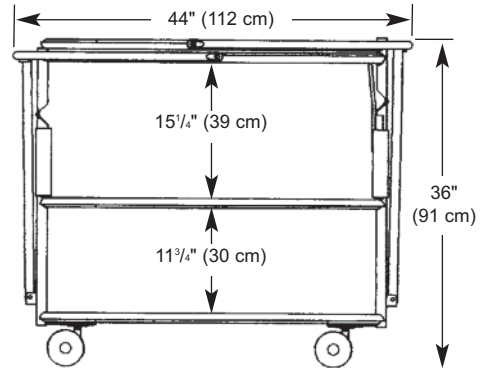
# ORFFmobile®

- 167C001 - Standard Unit 135 lbs (61 kg).
- 167C002 - ORFFmobile without middle shelf to accommodate taller bass instruments.
- Overall dimensions:     Folded: 44" wide x 24 1/2" deep x 36" high (112 x 62 x 91 cm).  
  Unfolded: 113" wide x 24 1/2" deep x 35" high (287 x 62 x 89 cm).
- Unique folding design stores instruments compactly and unfolds to provide proper playing surfaces for Orff instruments.
- Includes four molded polyethylene surfaces for playing and storage. Positioned different heights for various sizes of Orff instruments.
- Frame is constructed of 0.875" (2.2 cm) round tubular steel frame in black powder paint finish.
- Four black neoprene 4" (10 cm) swivel casters.
- Foam-padded leg supports serve as hand grips when in folded position, and also prevent damage to paint finish.
- Includes four 1 3/4" diameter mallet holders.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Assembly of wheels required by customer.
- Five-year warranty.

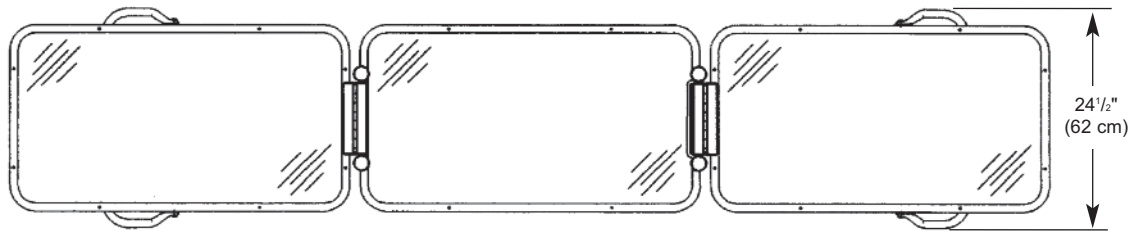
**Orff instrument capacity\*:**

- Folded: 1 - Bass Metallophone or Xylophone  
          2 - Soprano or Alto Metallophones or Xylophones
- Unfolded: 1 - Bass Metallophone or Xylophone  
          2 - Soprano Metallophones or Xylophones  
          2 - Alto Metallophones or Xylophones

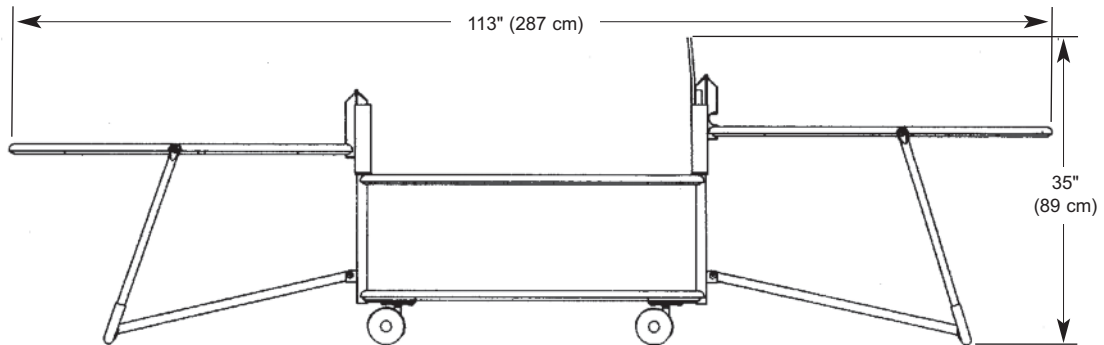
\*NOTE: Each outer tray will hold four Soprano or Alto Glockenspiels in place of Metallophones or Xylophones in unfolded position.



ORFFmobile in Folded Position



Top View



Side View

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# AUDITORIUM AND THEATRE SPACES



Auditorium & Theatre Spaces



# AUDITORIUM AND THEATRE SPACES



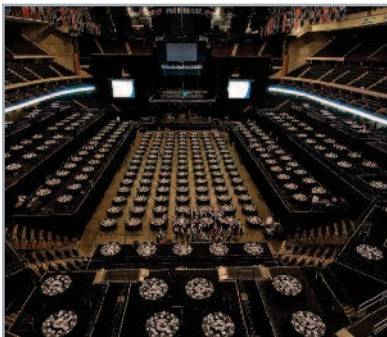
**ACOUSTICAL SHELL ENCLOSURES**  
 In addition to being visually stunning, Wenger Acoustical Shells dramatically improve the sound projected to the audience and reflect sound back to performers – vital to ensemble performance. The mobile design sets up quickly and stores compactly.



**ACOUSTICAL TREATMENTS**  
 Whether you're planning a new facility or renovating an existing one, Wenger ceiling clouds and acoustical panels are sure to enhance the acoustics of any space.



**ORCHESTRA PIT FILLER / STAGE EXTENSIONS**  
 Wenger Pit Fillers are incredibly strong and durable yet easy to set up. The acoustically dampened decks fit snugly against the stage to create an integrated surface that is extremely quiet.



**STAGING AND SEATED RISER SYSTEMS**  
 From a simple stage or seated riser to a multifaceted system that can be set up in a vast array of configurations in all kinds of locations, Wenger has the ideal solution for any event.



**TIERED AUDIENCE SEATING SYSTEMS**  
 The Upper Deck Audience Seating™ System provides large-capacity seating with little effort. This system consists of columns, trusses, braces, endframes and decks that can be arranged in different seating configurations based on the performance. And the innovative folding frame prevents it from having to be completely disassembled between performances – just fold it flat against the wall.



**MAKEUP STATIONS**  
 Wenger Makeup Stations were designed based on the needs of the performer. Wenger offers both the Studio® Makeup Station that comes ready to install and the Backstage® Makeup Station, a portable self-contained unit that turns any room into a dressing room.

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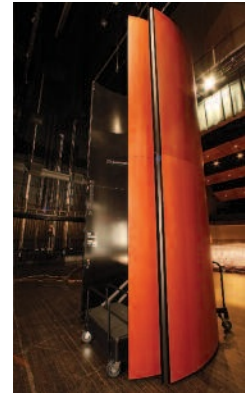
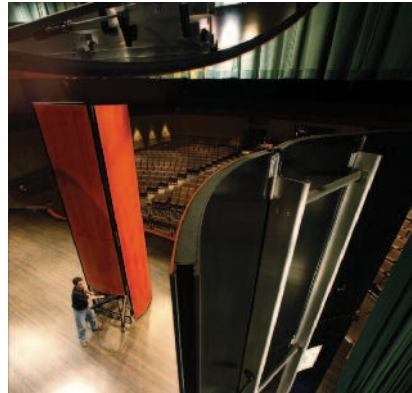
**Wenger®**  
 Your Performance Partner

# ACOUSTICAL SHELL ENCLOSURES



# ACOUSTICAL SHELL ENCLOSURES

Incredible acoustics and sophisticated looks in the auditorium and throughout the facility.



## DIVA® FULL-STAGE ACOUSTICAL SHELL

An investment in Diva acoustics will reward you the first time you hear the remarkable difference. Diva is a beautiful centerpiece for your stage that is engineered to last for years and years.

Diva is also incredibly easy to use, so you can use it more often. No other acoustical shell gives you so much long-term value.



## FORTE™ ACOUSTICAL SHELL

Wenger pioneered acoustical shell design and our new Forte Acoustical Shell is a welcome, worthy addition to our line. Forte offers unmatched value. It's a cost-effective acoustical solution for small- to medium-size performance spaces that delivers impressive full-stage acoustics, a beautiful visual appearance, and easy of use – all at an affordable price.



## LEGACY® ACOUSTICAL SHELLS

The latest Wenger technology gives you three attractive, effective acoustical shell options to fit your application and budget. The Legacy system can be set up quickly and easily – by just one person. Its mobility allows you to acoustically transform almost any space within a facility into a performance venue.

We pioneered acoustical shell design, so it's no surprise that our honeycomb core panel construction delivers enhanced acoustics to both the ensemble and the audience. When the performance is over, Legacy acoustical shells take down in no time and nest together compactly.

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# ACOUSTICAL SHELL ENCLOSURES

## Overview

An acoustical shell will blend the sound throughout the stage and direct it to the audience where it will come alive, vibrantly and precisely, the way it is actually being performed. And when performers can hear what they're doing — and when they know the audience hears them — performances improve.

	<b>Diva®</b>	<b>Forte™</b>	<b>Legacy®</b> (multiple designs available)
<b>Usage</b>	<ul style="list-style-type: none"> <li>• Standard or custom full-stage enclosure</li> <li>• Optimal on-stage acoustics and sound projection to the audience</li> </ul>	<ul style="list-style-type: none"> <li>• Standard full-stage enclosure</li> <li>• Enhances on-stage acoustics and projection to the audience</li> </ul>	<ul style="list-style-type: none"> <li>• Portable shell design allows almost any space to become a performance venue</li> <li>• Improves projection to the audience</li> </ul>
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>• Large to medium stages</li> <li>• Performing arts centers, universities, colleges and high schools</li> </ul>	<ul style="list-style-type: none"> <li>• Medium to small stages</li> <li>• Community auditoriums and high schools</li> </ul>	<ul style="list-style-type: none"> <li>• Small auditoriums, gymnasiums and cafeteriums</li> </ul>
<b>Components</b>	<ul style="list-style-type: none"> <li>• Acoustical wall towers</li> <li>• Acoustical ceiling with available integrated lighting</li> </ul>	<ul style="list-style-type: none"> <li>• Acoustical wall towers</li> <li>• Acoustical ceiling with available integrated lighting</li> </ul>	<ul style="list-style-type: none"> <li>• Acoustical wall towers</li> <li>• Optional Forte or Diva ceilings</li> </ul>
<b>Shell Mobility</b>	<ul style="list-style-type: none"> <li>• Air Transporter</li> <li>• Optional non-marring wheeled transporter</li> <li>• Non-marring integrated rear casters</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated non-marring casters</li> <li>• Front casters have a built-in leveling feature</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated heavy-duty soft swivel casters</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Lightweight aluminum frame</li> <li>• Variety of panel shapes and densities</li> <li>• Custom wood veneer options</li> <li>• Access doors</li> <li>• Lighting package</li> </ul>	<ul style="list-style-type: none"> <li>• Lightweight frame and panel construction</li> <li>• Lighting package</li> <li>• Wide variety of paint and plastic laminate finish options</li> <li>• Access doors</li> </ul>	<ul style="list-style-type: none"> <li>• Portable acoustical shell</li> <li>• Largest coverage area of any portable acoustical shell (each tower is 90 sq. feet)</li> <li>• Can pass through a 3' x 7' (91 cm x 213 cm) door opening</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Towers nest together for compact storage</li> <li>• Ceilings rotate vertically for storage on stage rigging</li> <li>• Optional ceiling and tower storage carts</li> </ul>	<ul style="list-style-type: none"> <li>• Towers nest together for compact storage</li> <li>• Ceilings rotate vertically for storage on stage rigging</li> <li>• Optional ceiling and tower storage carts</li> </ul>	<ul style="list-style-type: none"> <li>• Towers nest together for compact storage</li> </ul>
<b>Panel Material</b>	<ul style="list-style-type: none"> <li>• Composite panel, 2" (5 cm) thick</li> </ul>	<ul style="list-style-type: none"> <li>• Composite panel, 1" (2.5 cm) thick</li> </ul>	<ul style="list-style-type: none"> <li>• Composite panel, 1" thick</li> </ul>
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• Wood veneer, painted or plastic laminate</li> </ul>	<ul style="list-style-type: none"> <li>• Painted or plastic laminate</li> </ul>	<ul style="list-style-type: none"> <li>• Several choices</li> </ul>

## Application Information

### Diva® Shell Wall Towers (Rolling/Movable)

- Shell Towers are designed to move from storage to performance positions — and nest one within the other for compact storage.
- Shell Towers are constructed of materials to effectively reflect sound.
- Diva Shell models incorporate access doors for personnel and equipment access to the performance area.
- Diva towers are moved with a Manual Wheeled Mover or Electric Air Transporter which makes consistent shell placement an easy process and which also greatly reduces wear and damage to the floor.

### Diva Shell Ceiling Panels

- Ceiling panels are designed to be suspended from standard stage rigging hardware (rigging to be provided by others).
- Each row of shell ceilings is designed to be suspended from one pipe batten or line set.
- Storage — ceilings are designed to rotate to a vertical position for storage in the stage loft area. Ceiling panels can be specified to be removable to free up additional line sets.
- Give proper consideration to shell ceiling weight and rigging line set capacity.
- Lighting — shells can be lit with the following:
  - a. Integrated light fixtures within the shell ceiling.
  - b. Existing or standard stage lighting — ceilings can be designed to fit between existing lighting.

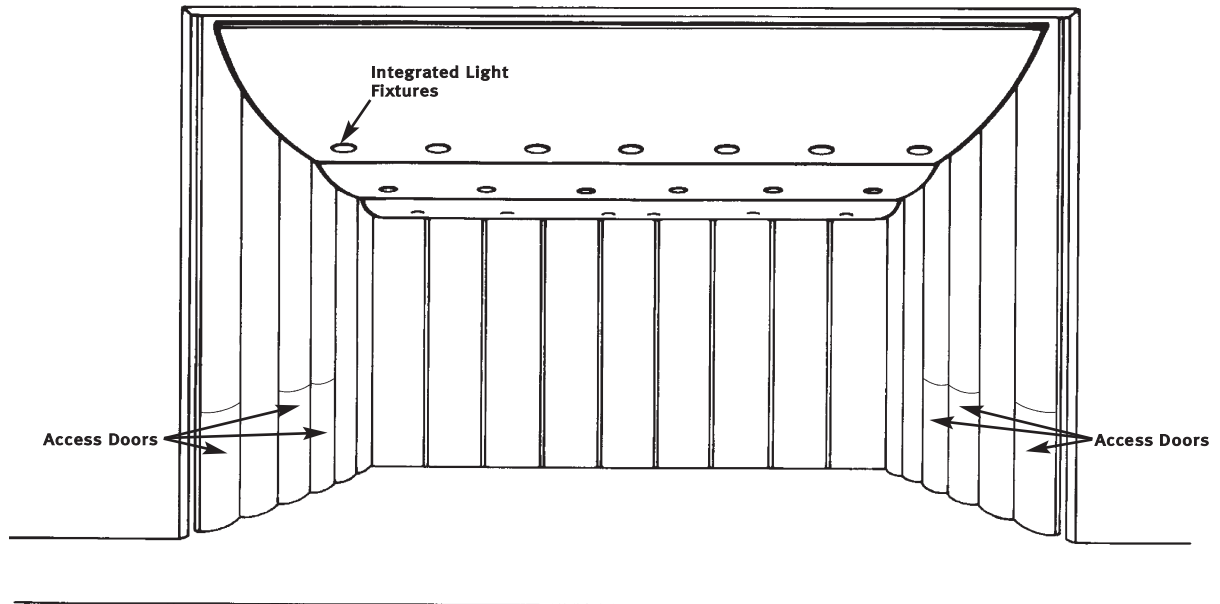
### Diva Acoustical Shell Features

- The design, flexibility and extensive finish options of the Diva Acoustical Shell provide a customized shell at an affordable price.
- A combination of shell towers and ceiling rows form a full-stage acoustic enclosure.
- The modular design allows for flexible configurations that can fit ensembles and performances of all sizes.
- Rigid composite panels improve acoustics. Curved panel surfaces reflect and diffuse sound for optimum acoustical performance.
- Two standard tower widths:
  - 10' (3.05 m) 4' (1.22 m) center and 3' (0.91 m) wings
  - 12' (3.66 m) 4' (1.22 m) center and 4' (1.22 m) wings.
- Towers can be sized to your specification, with heights from 16' to 20' (4.87 m to 6.10 m).
- Custom towers heights are available up to 40' (12.19 m).
- A variety of painted, plastic laminate and wood finishes help to make the Diva Acoustical Shell aesthetically pleasing and visually define a performance area.
- The Diva Acoustical Shell is designed to significantly reduce setup time.
- The Diva Acoustical Shell tower frames and ceiling trusses are manufactured with rigid extruded aluminum.
- Shell towers are counterweighted for stability. Diagonal bracing, between tower base and frame, provides structural integrity.
- Wenger works to integrate Diva ceiling rows with existing or new theatrical rigging. Rows of ceilings rotate to the vertical position for storage and lock into the performance position for fast setup.
- Ceiling aluminum trusses provide space for an integrated electrical raceway that supplies power for optional lighting packages.
- Access Doors are available including double doors that accommodate a grand piano.
- Towers nest together for compact storage with minimal footprint — in alcove, stage wing or backstage.

# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Front Elevation of Typical DIVA Acoustical Shell



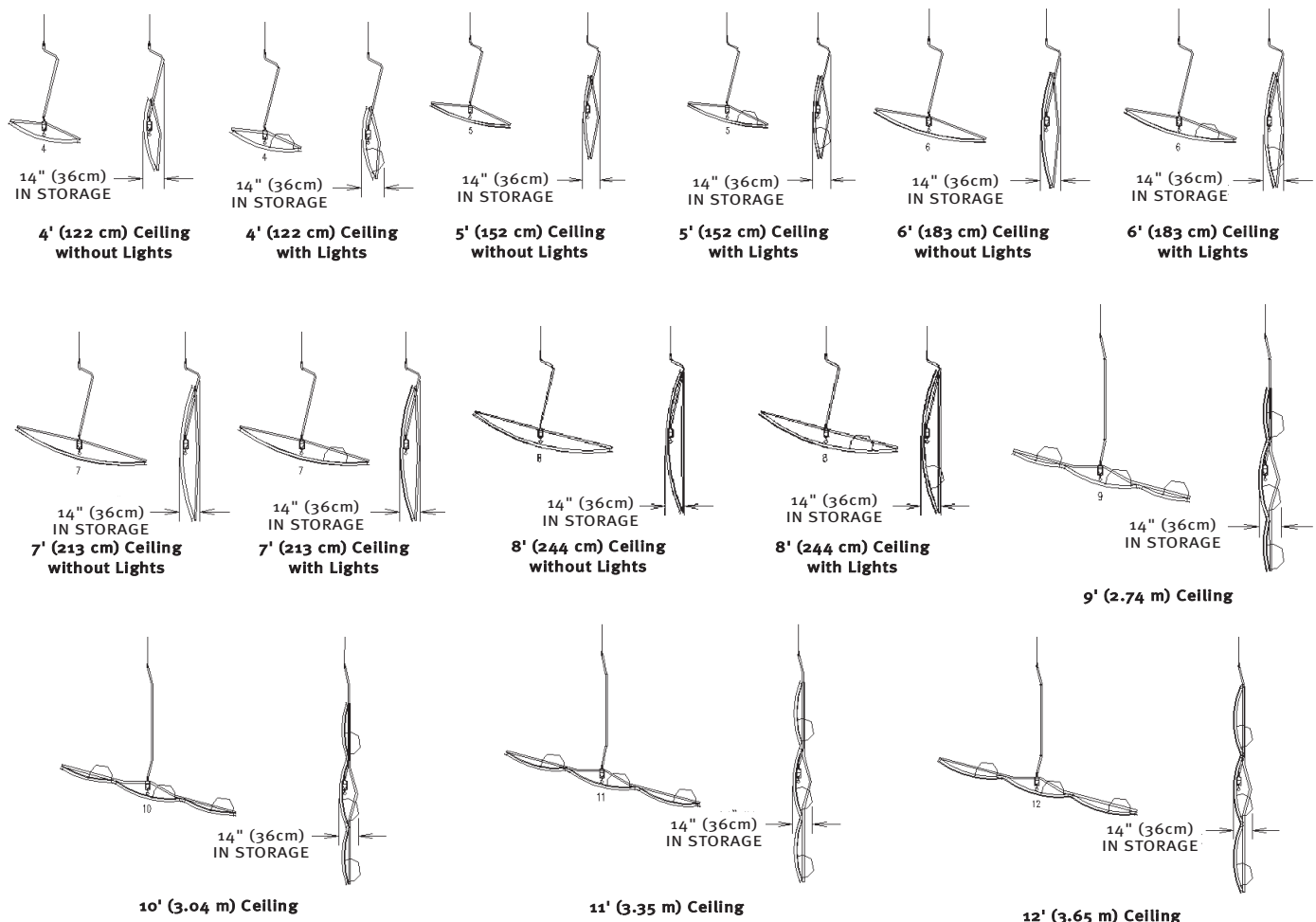
# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Symbols for Standard Diva Ceiling Panels

Stage rigging not supplied by Wenger.

All symbols are available, please contact Wenger.



### Notes:

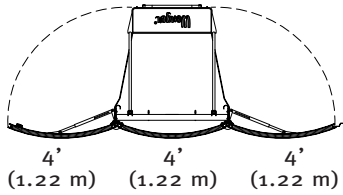
1. Ceiling assemblies will weigh about 4 pounds (1.81 kg) per square foot.
2. Each light assembly will weigh about 25 pounds (11.34 kg).
3. Panels that are painted will be constructed of  $\frac{3}{16}$ " (0.47 cm) hardboard on both sides of  $1\frac{1}{2}$ " (3.81 cm) paper honeycomb.
4. Panels that are veneered will be constructed of  $\frac{1}{4}$ " (0.63 cm) veneered MDF plywood on face side of  $1\frac{1}{2}$ " (3.81 cm) paper honeycomb. Back is  $\frac{3}{16}$ " (0.47cm) hardboard painted black.

# ACOUSTICAL SHELL ENCLOSURES

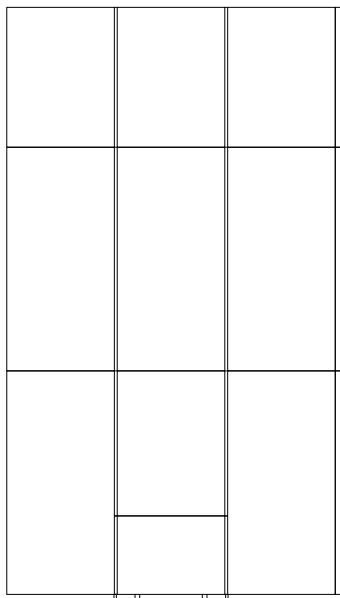
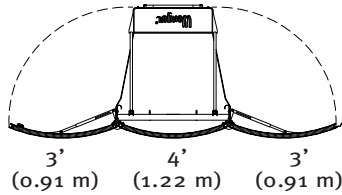
## Application Information

### Diva Shell Towers

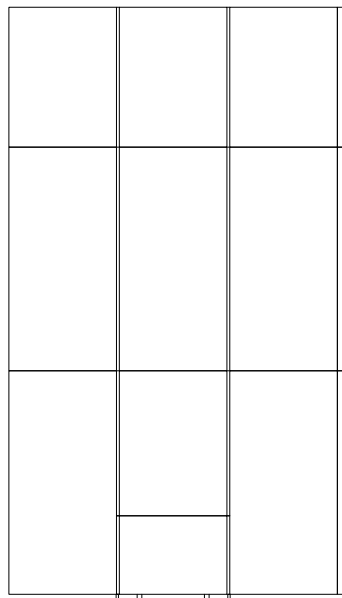
Top View 12' (3.65m) Tower



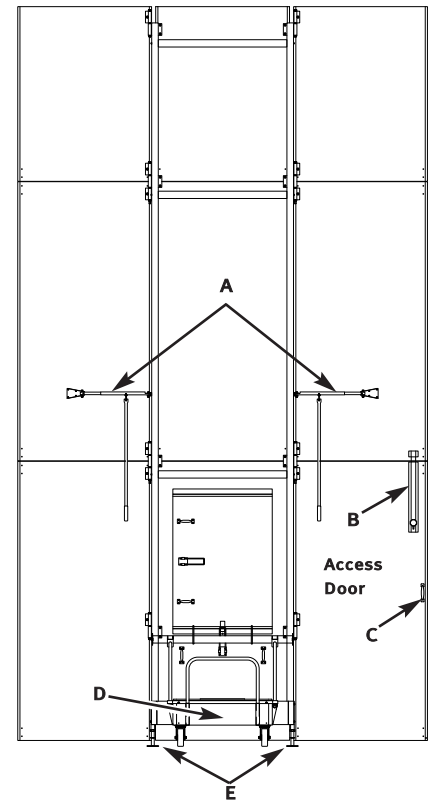
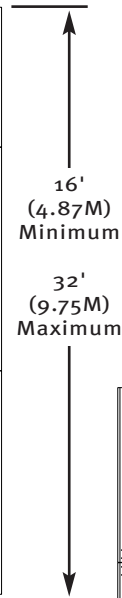
Top View 10' (3.04m) Tower



Front Elevation



Front Elevation



Rear Elevation

Telescoping wing-stays lock wings into performance and storage positions (A).

The door lock (B) and door handle (C).

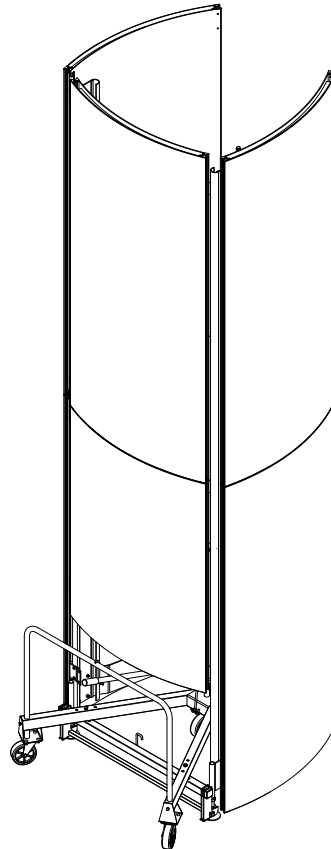
The counterweighted base (D) provides shell stability when shell is stationary or being moved with Air Transporter.

The shell rests on leveling pads (E) for uniform set-up on uneven floors.

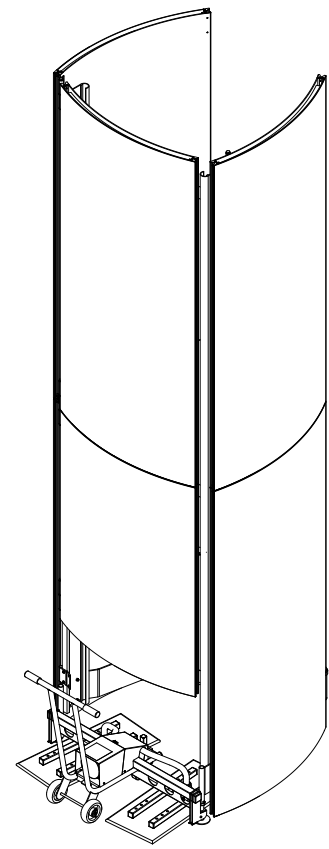
## Application Information

### Diva Air Transporter

- A separate air transport unit makes lifting and transporting the towers an easy job.
- A cushion of air carries most of the tower's weight, which prevents damage to stage floor.
- Moves the tower easily in any direction, so it is easier to position.
- Requires standard 110-volt 15 amp circuit.
- A wheeled mover is also available.
- Five-year warranty.



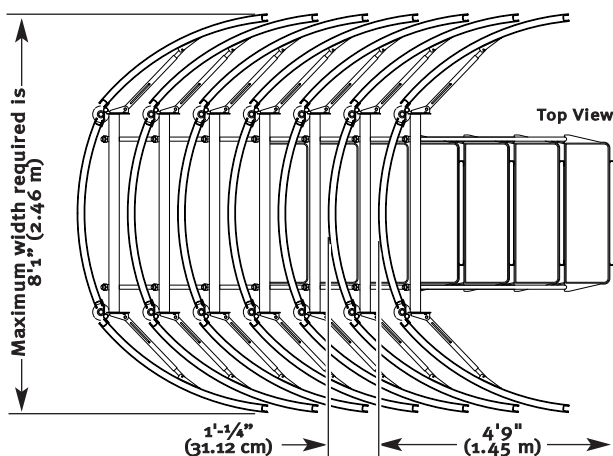
Wheeled Mover



Air Transporter

### Diva Towers in Storage

Top view showing how Diva towers nest together in storage position, minimizing required storage space.



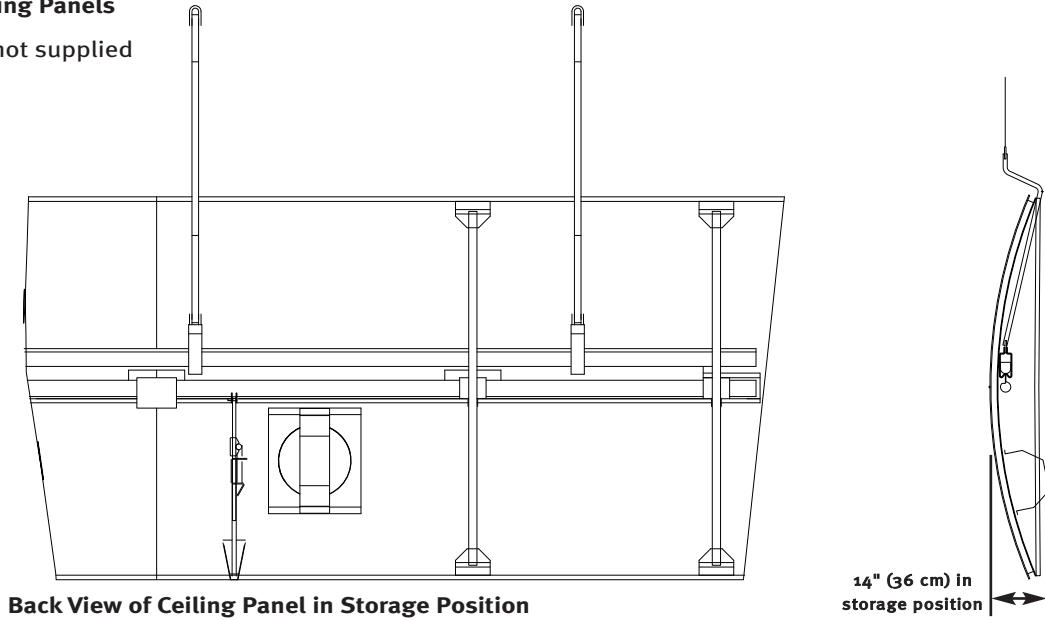
4'9" (1.45 m) first tower, add 1'-1/4" (31.12 cm) each additional tower.

# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Diva Shell Ceiling Panels

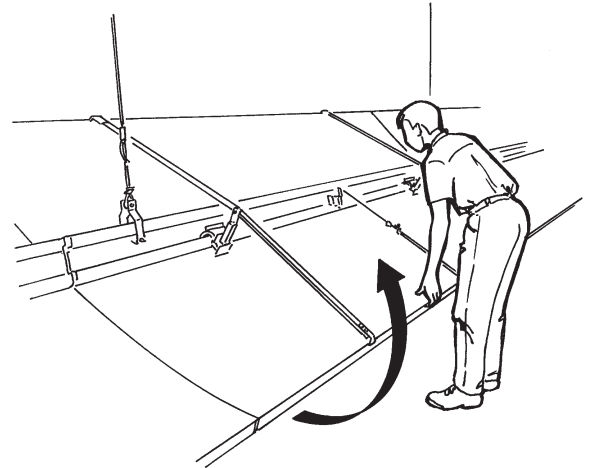
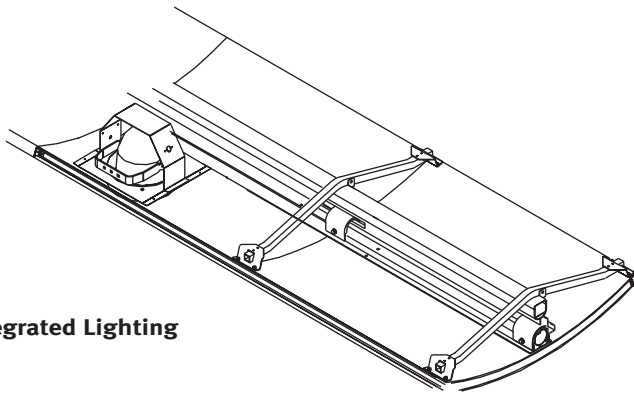
Stage rigging not supplied by Wenger.



Back View of Ceiling Panel in Storage Position

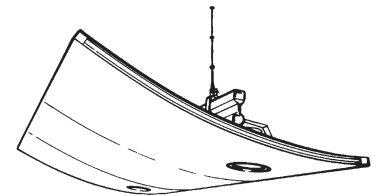
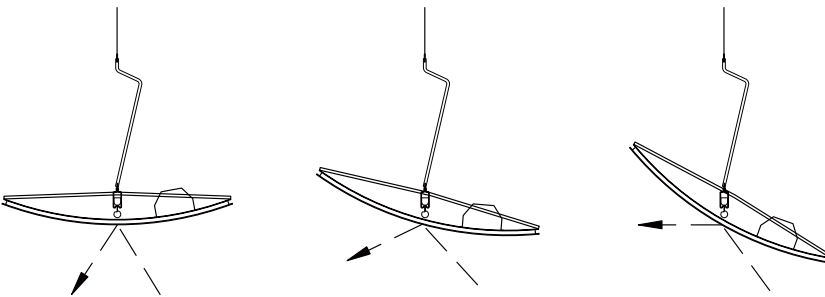
14" (36 cm) in storage position

### Integrated Lighting



### Ceiling Performance Angle

The angle of the ceilings can be adjusted for different acoustical requirements.



Shell ceiling in performance position.

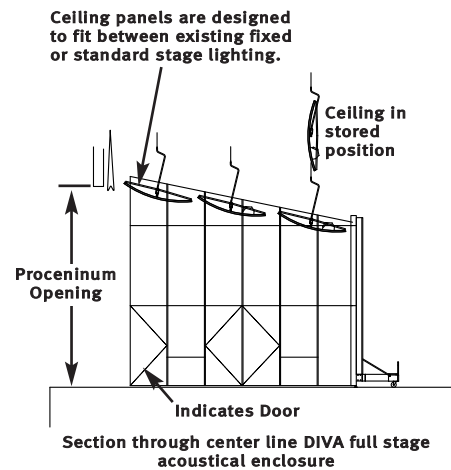
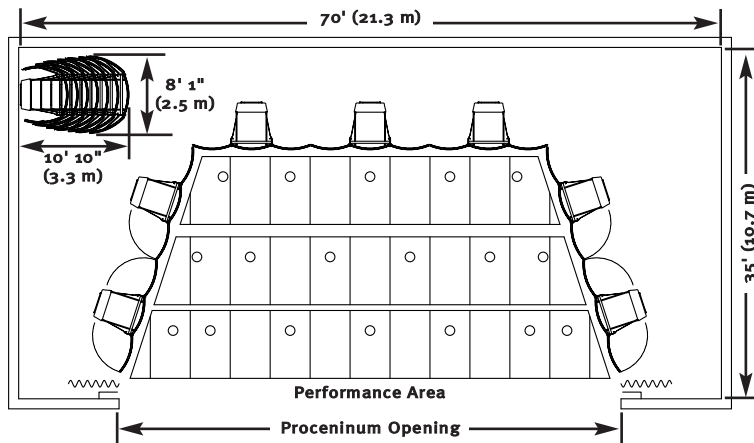
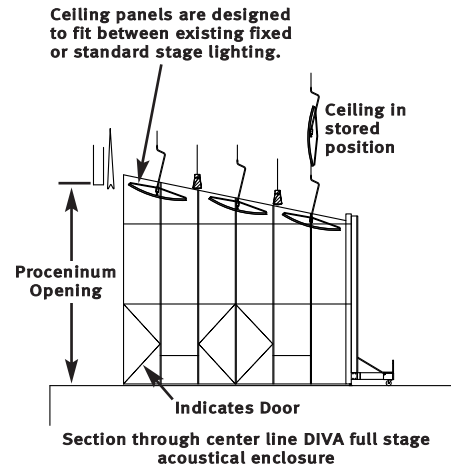
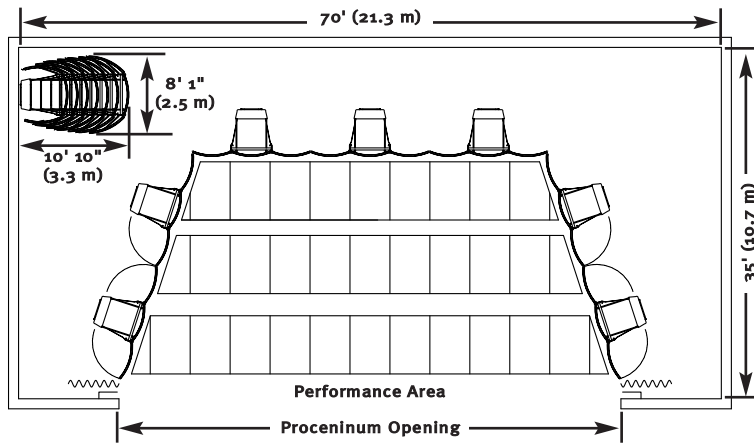
Ceilings placed in a more horizontal position will return more sound energy to the performers on stage. Ceilings placed at a steeper angle will reflect more sound energy to the audience.

# ACOUSTICAL SHELL ENCLOSURES

## Application Information

Typical Diva Layout for a 70' x 35' (21.3 x 10.7 m) Performance Area

Contact Wenger for a layout designed to fit your facility.





## Application Information

### Forte™ Shell Wall Towers (Rolling/Movable)

- Shell Towers are designed to move from storage to performance positions — and nest one within the other for compact storage.
- Shell Towers are constructed of materials to effectively reflect sound.
- Forte Shell models incorporate access doors for personnel access to the performance area.

### Forte Shell Ceiling Panels

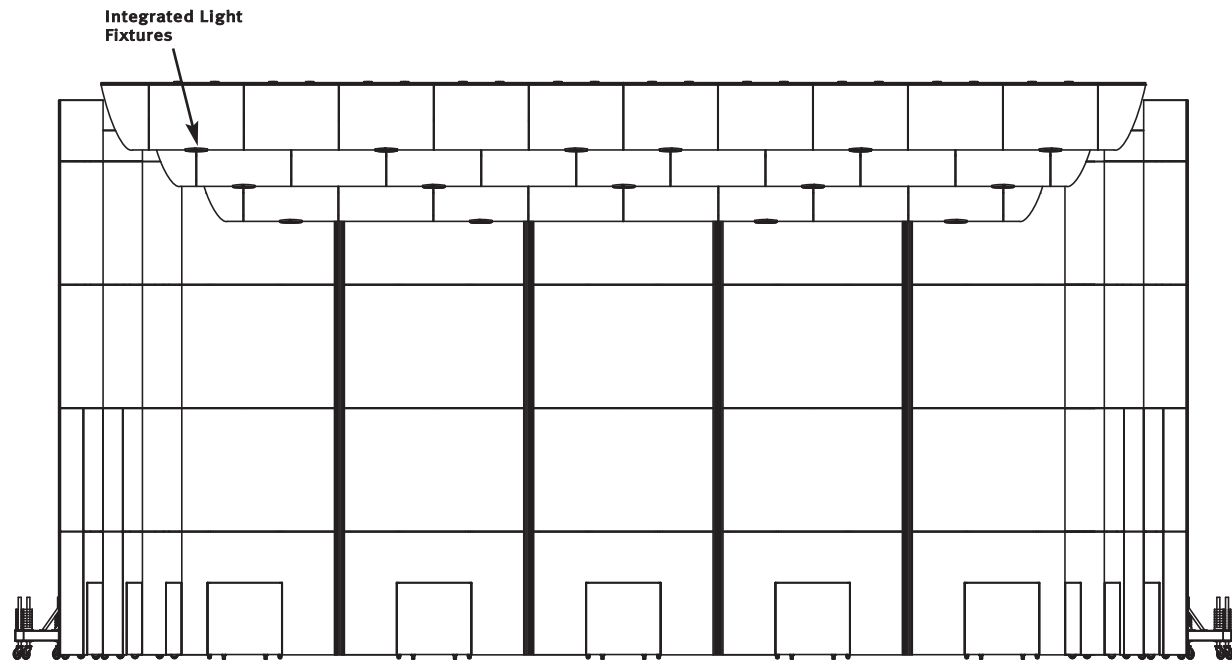
- Ceiling panels are designed to be suspended from standard stage rigging hardware (rigging to be provided by others).
- Each row of shell ceilings is designed to be suspended from one pipe batten or line set.
- Storage — ceilings are designed to rotate to a vertical position for storage in the stage loft area. Ceiling panels can be removed to free up additional line sets.
- Give proper consideration to shell ceiling weight and rigging line set capacity.
- Lighting — shells can be lit with the following:
  - a. Integrated light fixtures within the shell ceiling.
  - b. Existing or standard stage lighting — ceilings can be designed to fit between existing lighting.

### Forte Acoustical Shell Features

- A combination of shell towers and ceiling rows form a full-stage acoustic enclosure.
- The modular design allows for flexible configurations that can fit ensembles and performances of all sizes.
- Rigid composite panels improve acoustics. Curved panel surfaces reflect and diffuse sound for optimum acoustical performance.
- Towers can be sized to your specification, with heights from 16' to 20' (4.87 m to 6.1 m).
- A variety of painted and laminate finishes help to make the Forte Acoustical Shell aesthetically pleasing and visually define a performance area.
- The Forte Acoustical Shell is designed to significantly reduce setup time.
- Shell towers are counterweighted for stability. Diagonal bracing, between tower base and frame, provides structural integrity.
- Wenger works to integrate Forte ceiling rows with existing or new theatrical rigging. Rows of ceilings rotate to the vertical position for storage and lock into the performance position for fast setup.
- Access Doors are available.
- Towers nest together for compact storage with minimal footprint — in alcove, stage wing or backstage.

## Application Information

### Front Elevation of Typical Forte Acoustical Shell



Because of the component nature of the Forte Acoustic Shell, different configurations may be created by using different numbers of towers and ceiling panels. For instance, fewer towers can be used to create a smaller shell for chamber music or choral performances.

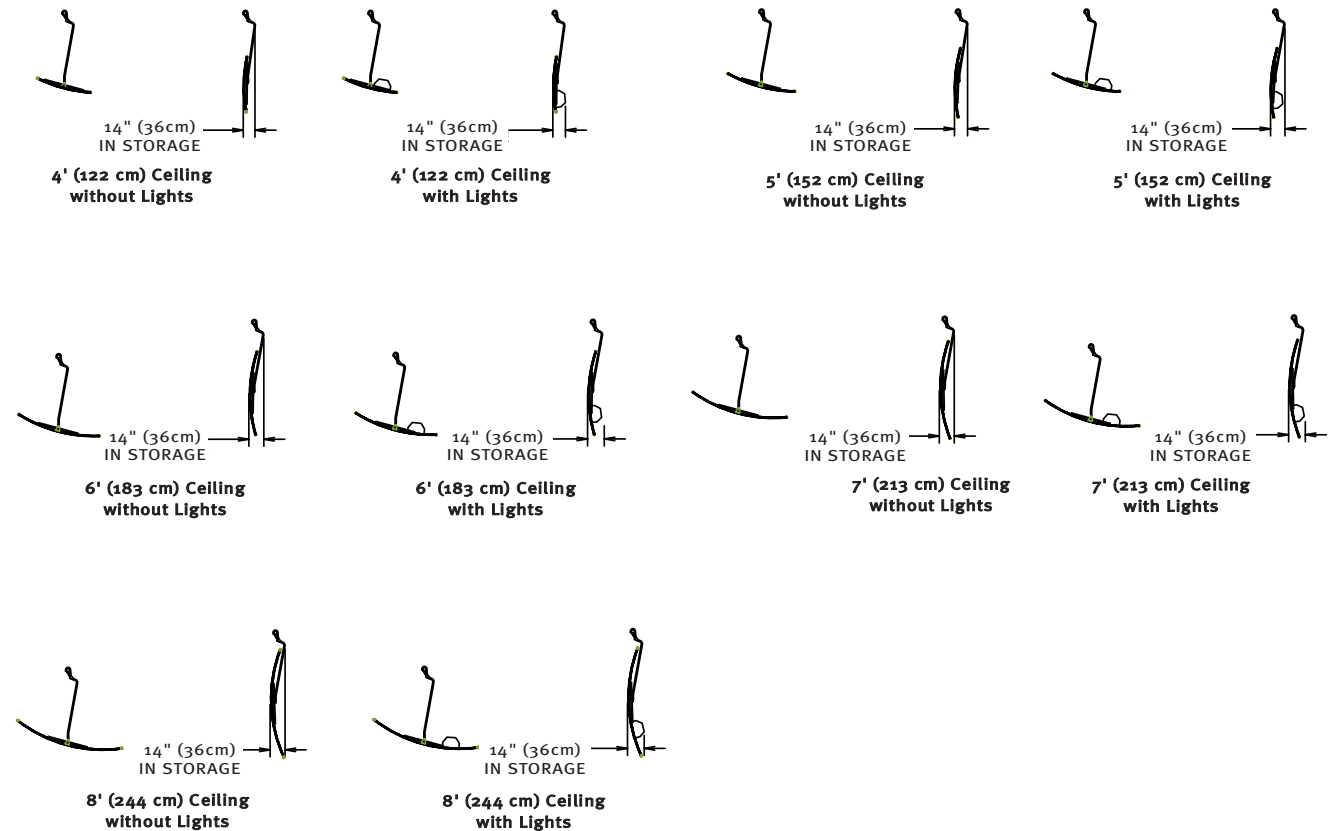
# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Symbols for Standard Forte Ceiling Panels

Stage rigging not supplied by Wenger.

All symbols are available, please contact Wenger.



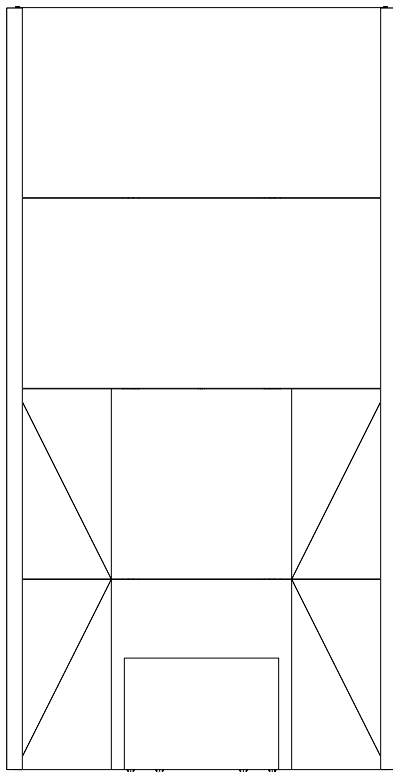
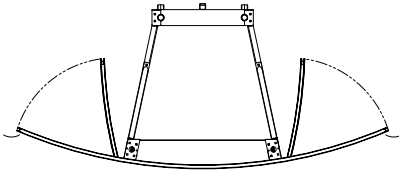
### Notes:

1. Ceiling assemblies will weigh about 4 pounds (1.81 kg) per square foot.
2. Each light assembly will weigh about 35 pounds (15.88 kg).
3. Panels will be constructed of  $\frac{3}{16}$ " (0.47 cm) hardboard on both sides of  $\frac{3}{4}$ " (1.91 cm) paper honeycomb.

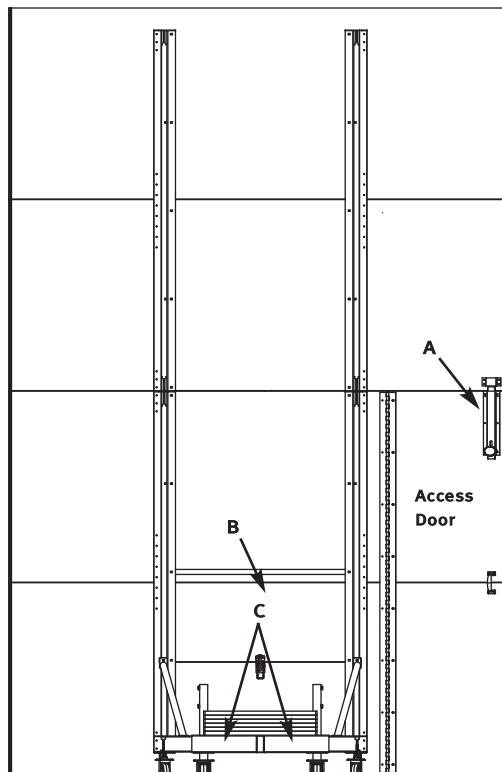
# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Forte Shell Towers



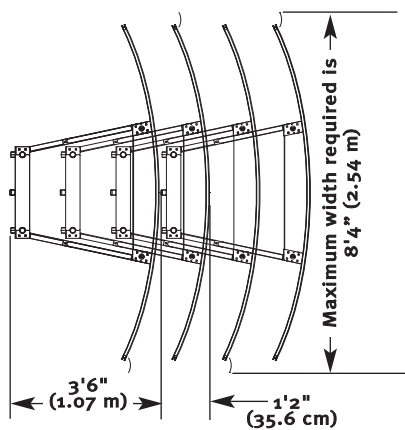
FRONT ELEVATION



REAR ELEVATION

The door lock (A) and door handle (B).  
The counterweighted base (C) provides shell stability when shell is stationary or being moved with Air Transporter.

### Forte Towers in Storage

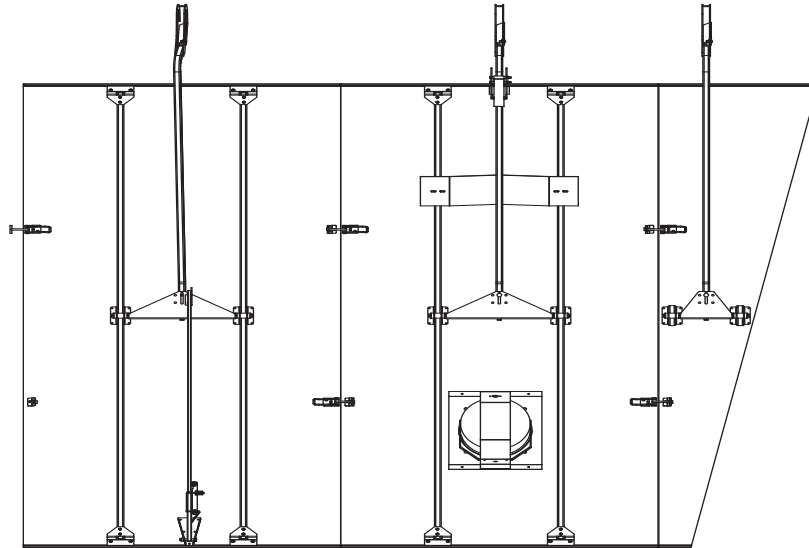


Top view showing how Forte towers nest together in storage position, minimizing required storage space.

## Application Information

### Forte Shell Ceiling Panels

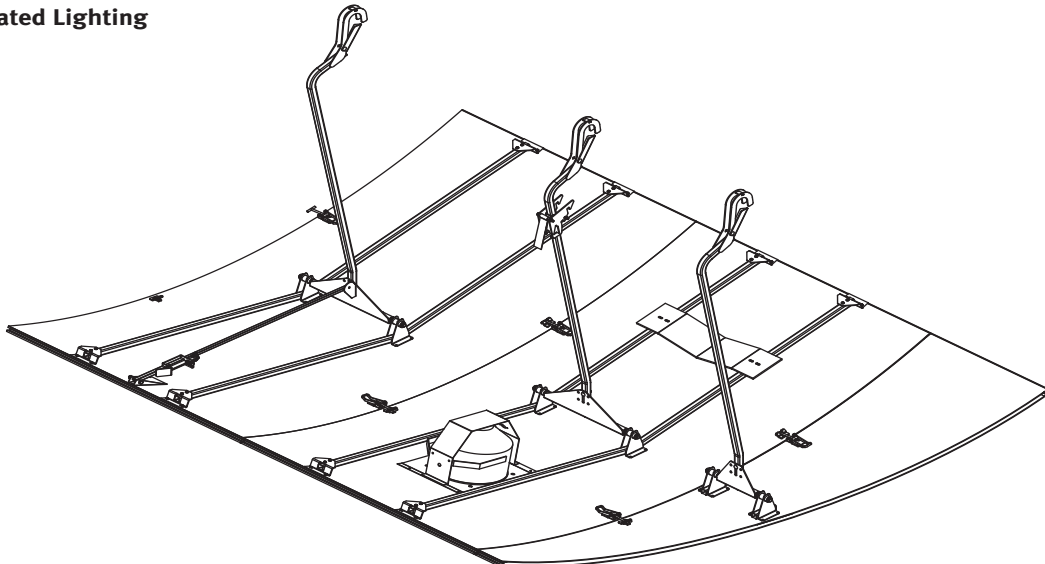
Stage rigging not supplied by Wenger.



Back View of Ceiling Panel in Storage Position

Ceiling panels easily tilt into storage position. Adjustable preset allows shells to rotate back to exact performance angle.

### Integrated Lighting

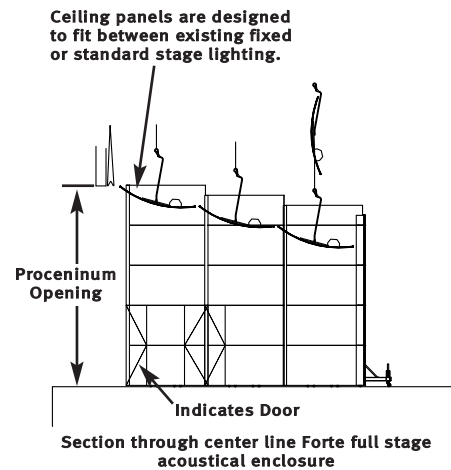
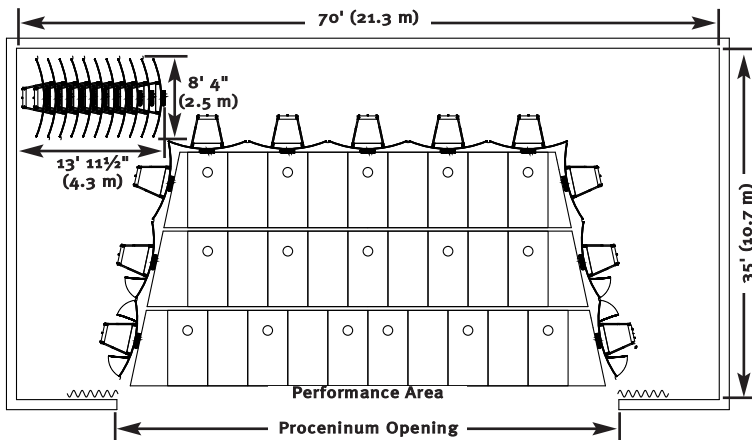
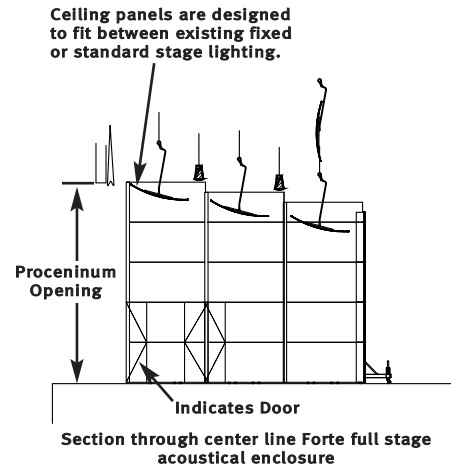
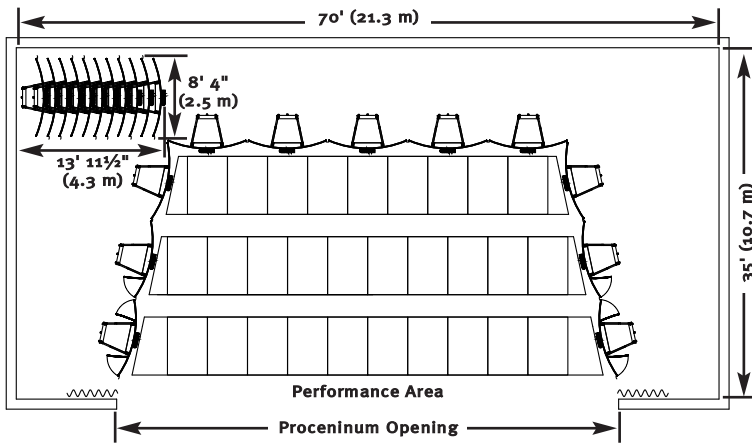


# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Typical Forte Layout for a 70' x 35' (21.3 x 10.7 m) Performance Area

Contact Wenger for a layout designed to fit your facility.



# ACOUSTICAL SHELL ENCLOSURES

## Overview

The latest Wenger technology gives you three attractive, effective portable acoustical shell options to fit your application and budget. The Legacy system can be set up quickly and easily — by just one person. It's mobility allows you to acoustically transform almost any space within a facility into a performance venue.

We pioneered acoustical shell design, so it's no surprise that our honeycomb core panel construction delivers enhanced acoustics to both the ensemble and the audience. When the performance is over, Legacy acoustical shells take down in no time and nest together compactly.

	Basic	Classic	Select
<b>Usage</b>	<ul style="list-style-type: none"> <li>• Portable shell that allows any space to become a performance environment</li> <li>• Improved projection to the audience</li> </ul>		Portable shell designed to be used primarily with an overhead ceiling system for on-stage use.
<b>Where to Use</b>	Small auditoriums, gymnasiums, cafeteriums and recital halls		Small auditoriums and recital halls
<b>Components</b>	<ul style="list-style-type: none"> <li>• Lift mechanism with crank</li> <li>• Acoustical wall towers</li> <li>• Fold down canopy for storage</li> </ul>		<ul style="list-style-type: none"> <li>• Acoustical wall towers</li> <li>• Use with ceiling system for optimum performance</li> </ul>
<b>Shell Mobility</b>	<ul style="list-style-type: none"> <li>• Integrated non-marring casters</li> <li>• Moves easily by one person</li> </ul>		
<b>Features</b>	<ul style="list-style-type: none"> <li>• Flat panel design, with tapered or rectangular 36" (91 cm) high canopy</li> <li>• Folds flat and nests for storage</li> <li>• Portable shell on casters</li> <li>• 78 square feet (7.2 m<sup>2</sup>) of shell coverage, 7" (18 cm) gap from floor with protruding legs in front of shell</li> <li>• Passes through a 34" x 80" (86 cm wide x 2 m) high door</li> <li>• Canopy adjusts at 45, 60, 75 and 90 degree angles</li> </ul>	<ul style="list-style-type: none"> <li>• Flat panel design, with tapered or rectangular 54" (1.4 m) high canopy</li> <li>• Folds flat and nests for storage</li> <li>• Portable shell on casters</li> <li>• 90 square feet (8.4 m<sup>2</sup>) of shell coverage</li> <li>• 2" (5 cm) gap from floor</li> <li>• Passes through a 34" x 80" (86 cm wide x 2 m) high door</li> <li>• Canopy adjusts at 45, 60, 75 and 90 degree angles</li> </ul>	<ul style="list-style-type: none"> <li>• Curved panels for maximum acoustical performance</li> <li>• Foldable top panel for storage</li> <li>• Removable bottom panel for nesting</li> <li>• 60 square feet (5.6 m<sup>2</sup>) of shell coverage at 12' (3.7 m) height</li> <li>• 2" (5 cm) gap from floor</li> <li>• Passes through a 34" x 80" (86 cm wide x 2 m) high door at 11' 6" (3.5 m) height</li> </ul>
<b>Height</b>	13' 3" (4 m)	15' 2" (4.6 m)	11' (3.3 m) to 16' (4.9 m) maximum
<b>Storage</b>	Shells nest together for storage, each unit adds 10" (25.4 cm)	Shells nest together for storage, each unit adds 10 <sup>5</sup> / <sub>8</sub> " (26.9 cm)	Towers nest together for storage, each unit adds 21" (52.5 cm)
<b>Panel Material</b>	Upper Panels: <ul style="list-style-type: none"> <li>• Flat composite panel, 1" (2.5 cm) thick with lightweight aluminum edging</li> </ul> Lower Panel: <ul style="list-style-type: none"> <li>• Thermofused laminated particle board, 3/4" (2 cm) thick</li> <li>• 6' (1.8m) wide panel</li> </ul>	<ul style="list-style-type: none"> <li>• Flat composite panel, 1" (2.5 cm) thick with lightweight aluminum edging</li> <li>• 6' (1.8m) wide panel</li> </ul>	<ul style="list-style-type: none"> <li>• Curved composite panel, 1" (2.5 cm) thick with thermofused laminate finish</li> <li>• Lightweight aluminum edging</li> <li>• 6' (1.8 m) wide panel</li> </ul>
<b>Finishes</b>	Oyster laminate only	Four solid color laminates: Beige, Oyster, Platinum and Warm Sand	Any Sherwin Williams paint color or Wilsonart laminates

## Application Information

### Legacy® Basic Acoustical Shell

#### PERFORMANCE REQUIREMENTS

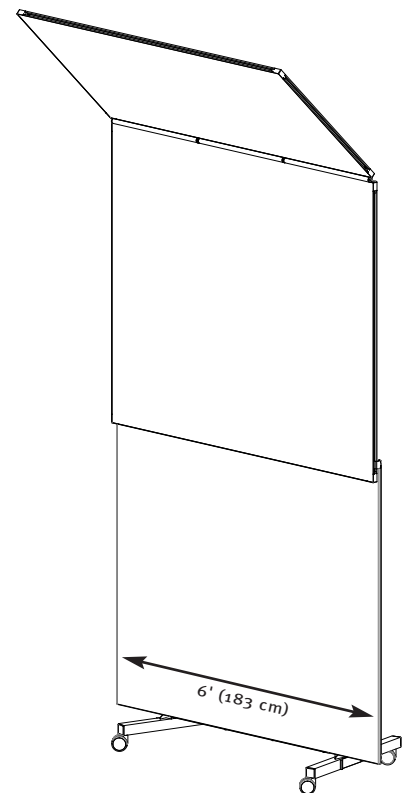
- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

#### CONSTRUCTION

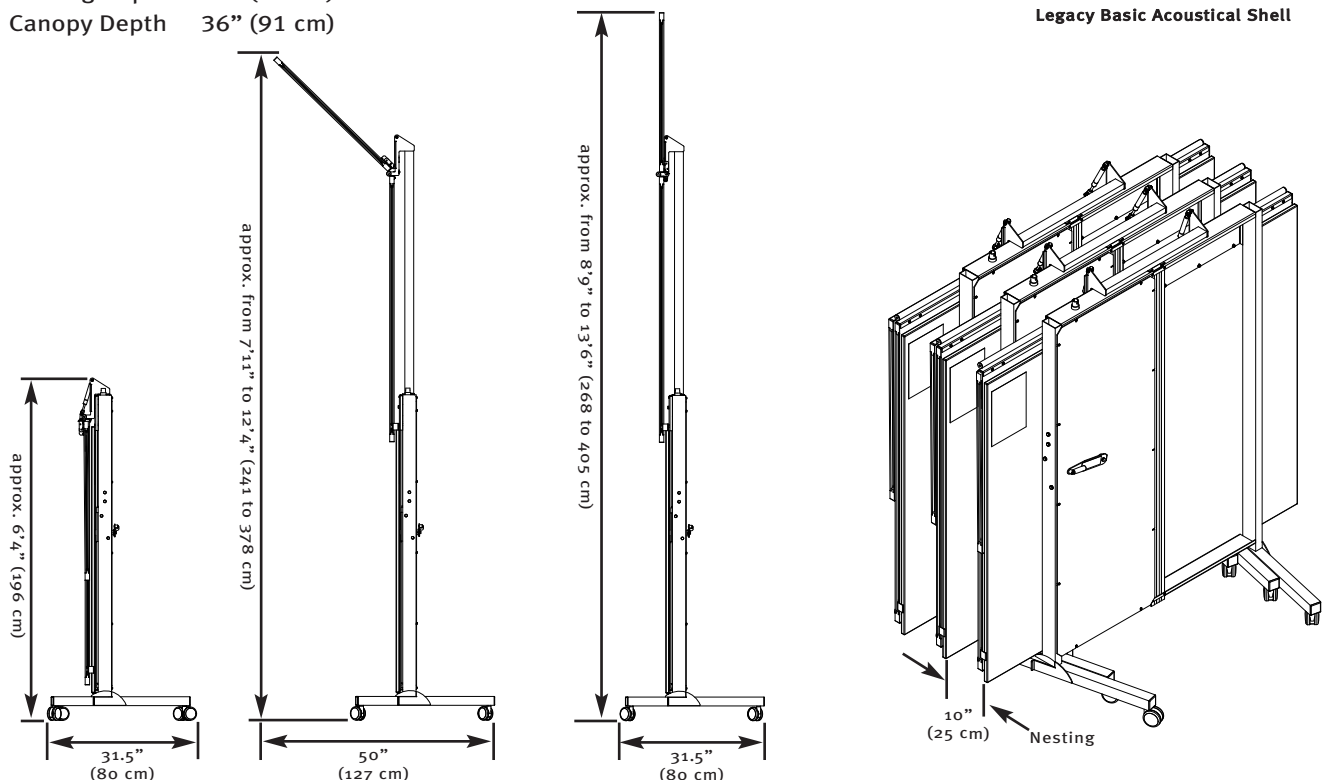
- Upper panels are flat in standard 1" (2.5 cm) thick honeycomb core construction.
- Lower fixed panel is constructed of ¾" (2 cm) thick composite laminated wood with edgebanding
- All panels are 6' (1.8 m) wide
- Easy, intuitive lift mechanism for raising and lowering shell
- Canopy folds flat for storage, and middle panel overlaps bottom panel
- Legs protrude in front of shell to provide counterweighted base design
- No kicker panel, bottom panel rests 7" (18 cm) from floor
- Canopy is 36" (91 cm) high providing less coverage than Legacy Classic model
- Fully extended height is 13' 3" (4 m)
- Ships partially assembled
- Available in Oyster finish only
- Canopy adjusts to 45, 60, 75 and 90 degree angles

#### Legacy Basic Acoustical Shell Data:

Max Height	13'6" (405 cm)
Storage Height	6'4" (196 cm)
Width	6'0" (183 cm)
Storage Depth	31.5" (80 cm)
Nesting Depth	10" (25 cm)
Canopy Depth	36" (91 cm)



Legacy Basic Acoustical Shell





# ACOUSTICAL SHELL ENCLOSURES

## Application Information

### Legacy® Classic Acoustical Shell

#### PERFORMANCE REQUIREMENTS

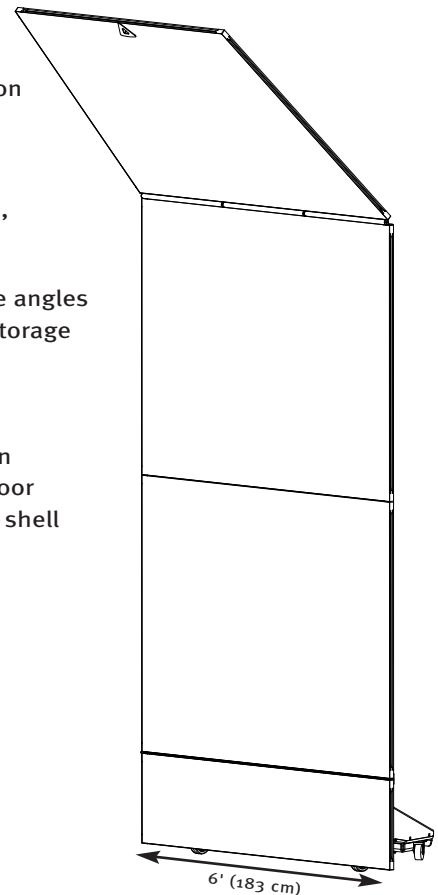
- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

#### CONSTRUCTION

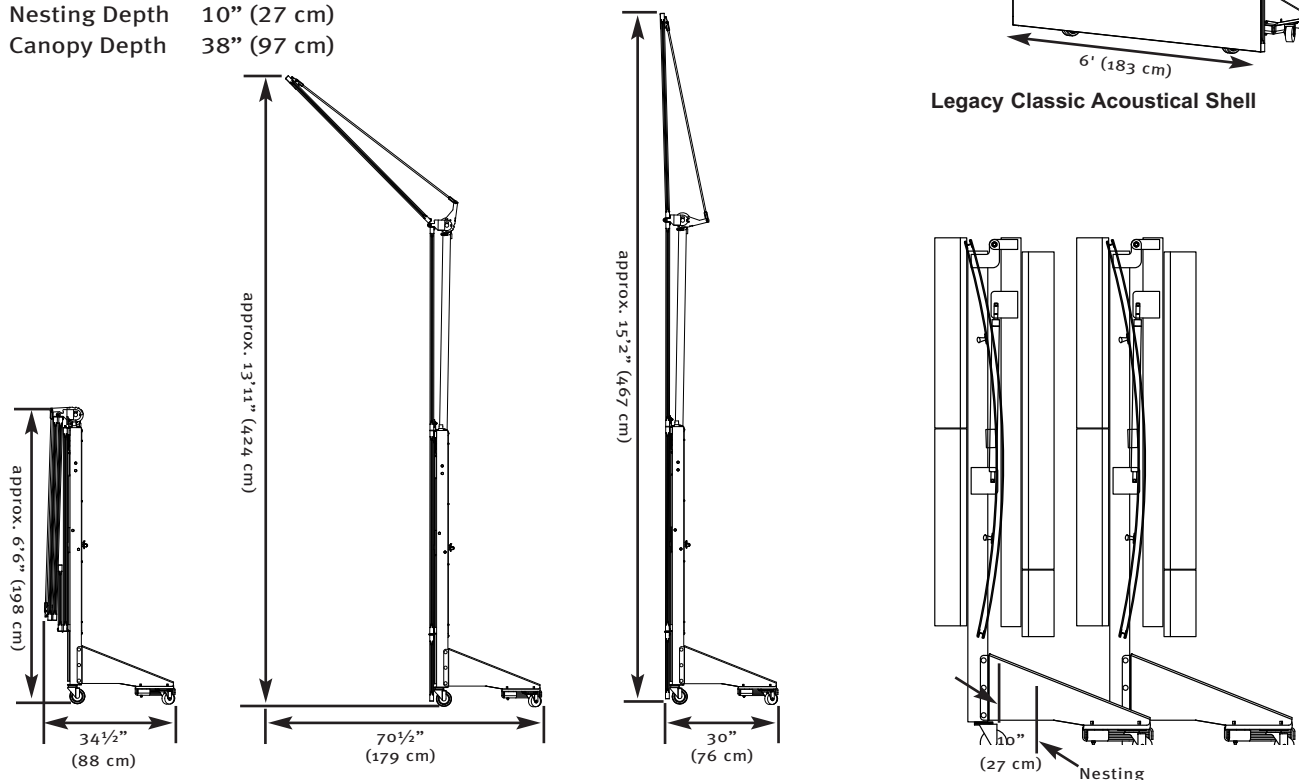
- Panels are flat in standard 1" (2.5 cm) thick, honeycomb core construction, 6' (1.8 m) wide
- Improved lift mechanism to raise and lower shell
- Canopy folds flat for storage and is adjustable to 45, 60, 75 and 90 degree angles
- Kicker panel provides coverage within 2" (5 cm) of floor, and folds up for storage
- All panels fit flush with no overlap shadows
- No unsightly exposed fasteners
- Fully extended height is 15' 2" (4.6 m)
- Canopy is 54" (137 cm) high and available in tapered or rectangular design
- In storage position, unit fits through 34" (86 cm) wide by 80" (2 m) high door
- Includes counterweighted base system, with no legs protruding in front of shell
- Available in four solid color finishes
- Units nest for storage

#### Legacy Classic Acoustical Shell Data:

Height Canopy	
at 45 degrees	13' 11" (424 cm)
Max Height	15' 2" (462 cm)
Storage Height	6' 6" (198 cm)
Width	6' 0" (183 cm)
Storage Depth	34" (88 cm)
Nesting Depth	10" (27 cm)
Canopy Depth	38" (97 cm)



Legacy Classic Acoustical Shell



# ACOUSTICAL SHELL ENCLOSURES

## Application Information

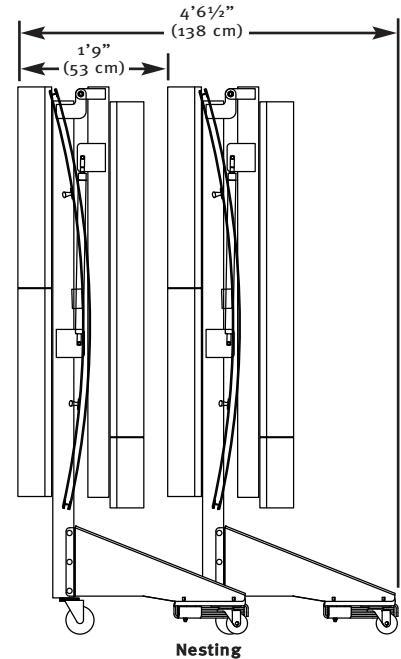
### Legacy® Select Acoustical Shell

#### PERFORMANCE REQUIREMENTS

- Legacy units promote excellent ensemble and enhance acoustical projection toward the audience
- Add additional shells to cover larger areas

#### CONSTRUCTION

- Curved 1" (2.5 cm) thick panels to provide superior cross-communication of sound
- Use with overhead ceiling system for optimum acoustical performance
- Counterweighted base system
- Panels are tower design, 6' (1.8 m) wide
- Top panel folds for storage, and includes lift assists to raise and lower
- Bottom panel is removable for nesting and stores on back of tower frame
- Maximum height is 16' (4.9 m)
- In storage position, unit fits through 34" (86 cm) wide by 80" (2 m) high door opening at 11' 6" (3.5 m) height
- Available in painted finishes or woodgrain laminates
- 502 lbs (226 kg)
- Non-marring casters



Storage Position



Easy Setup



Performance Position

# ACOUSTICAL TREATMENTS

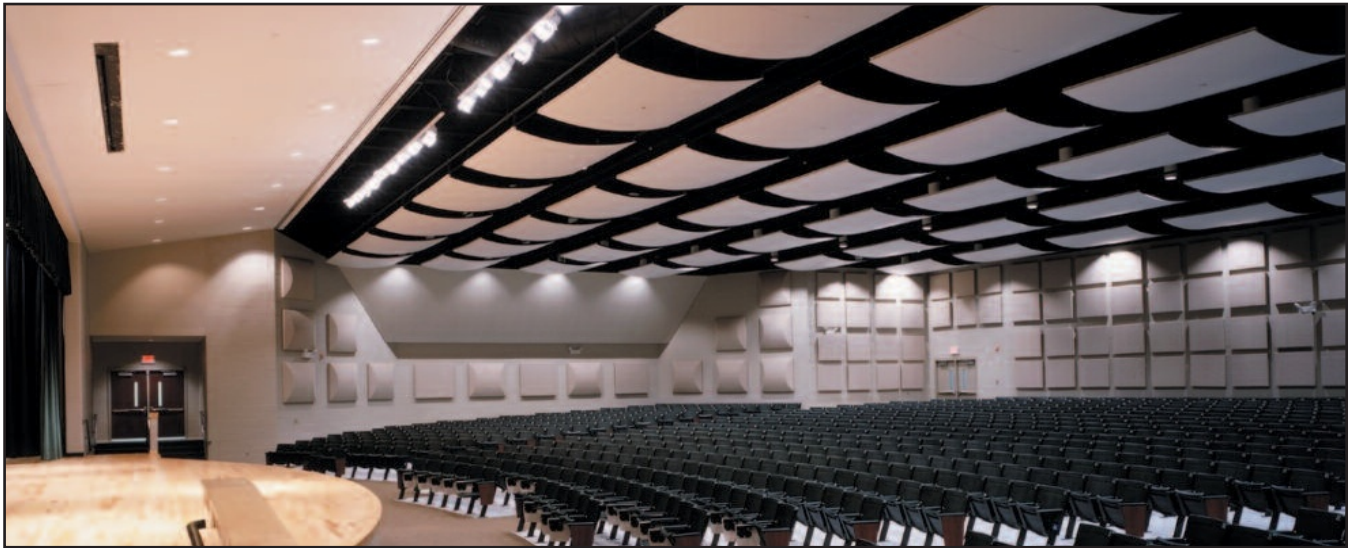
Acoustical  
Treatments



**Wenger®**  
Your Performance Partner

# ACOUSTICAL TREATMENTS

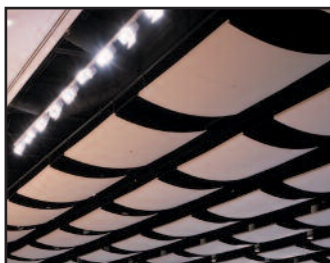
Attractive and functional designs, each tuned to a particular acoustical task



## ACOUSTICAL TREATMENTS FOR THE AUDIENCE HOUSE

What is the best seat in your house? Or, better yet, do you know where to find all the hot spots where sound concentrates and every dead spot sound never reaches? Are certain areas more prone to flutter echoes and excessive reverberation?

Wenger has delivered clear, rich acoustics to audiences and performers for decades. It's our specialty, and we excel at creating custom solutions that enhance the acoustics of any space. Working with acousticians and architects – and using the world's most advanced ceiling clouds and acoustical panels – we will use all of our expertise and resources to identify and engineer the ideal plan for your space. We know that the difference will be impressive – and often remarkably so – from any seat in the house.



### CEILING CLOUDS

You don't want sound to bounce around backstage and get trapped in the fly loft. You want it reflected at the right place in the right way to the musicians and the audience. Wenger researches your space and then offers you the best solution with our wide range of acoustical ceiling products.

To start the acoustic treatment process, please call a Wenger representative.

Because no two facilities are alike, Wenger provides an estimate for every audience house application, including all ceiling cloud treatments and acoustical wall panels recommended for your performance hall installation. Please visit our website at [wengercorp.com](http://wengercorp.com) or call your Wenger representative for more information.

### WALL PANELS



### ABSORBER PANELS

Suited for the widest range of environments, Wenger absorber panels are designed to neutralize the reverberation and loudness of a room. Fabricated with sound-absorptive, fiberglass insulation, these flat panels are engineered to absorb sound across a broad frequency range for effective, balanced abatement.



### TYPE I CONVEX DIFFUSER PANELS

Fabricated with a special composition of recyclable thermomolded plastic that scatters and blends sound, these panels diffuse middle- to high-range frequencies which define timbre and articulation. Polycylindrical Type I convex diffuser panels typically make the best remedy for flutter echoes, hot spots, and dead spots. Designed with fabric cover of your choice for wall mounts and without covering for ceiling mounts.



### TYPE II CONVEX DIFFUSER PANELS

Significantly larger than Type I panels, Wenger Type II diffuser panels have the same polycylindrical shape. In addition to sound-diffusion qualities, Type II panels selectively absorb low-frequency sound.

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
Owatonna, MN 55060-0448  
Phone 800.4WENGER (493-6437)  
Fax 507.455.4258  
Parts & Service 800.887.7145

**WENGER CORPORATION**  
CANADA REPRESENTATIVE OFFICE  
Phone 800.268.0148

**WORLDWIDE**  
Phone 1.507.455.4100  
Fax 1.507.774.8576

**WEB SITE**  
[wengercorp.com](http://wengercorp.com)

**Wenger**<sup>®</sup>  
Your Performance Partner

## Application Information

### Layout and Installation Requirements

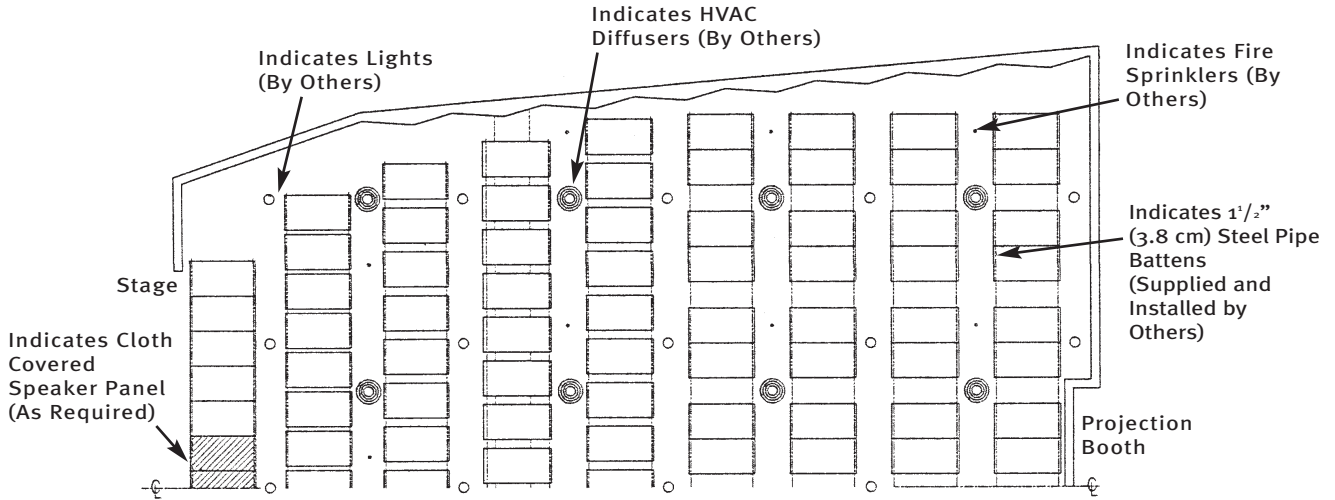
The following application requirements are necessary steps to facilitate the layout of an effective Wenger Acoustical Cloud system for your auditorium. Because of the acoustical complexities of this space, it will be necessary for us to work closely with the project architect and/or acoustician. Look over the following points, but please call us before you begin.

- The layout of the clouds must be completed by a design professional. Consult a professional project architect and/or acoustician for proper performance facility layouts.
- Scaled drawings indicating cloud placement and elevations need to be provided to Wenger to facilitate layout.
- Drawings should indicate: HVAC, light and sprinkler locations and elevations.  
Please note that the Wenger Acoustical Cloud System is not designed to support lights, HVAC and sprinkler systems. Close coordination of these elements is required if they penetrate or pass through the Cloud System.
- Finish options:  
*Face* - painted, plastic laminate or wood veneer.  
*Panel back and perimeter* - painted black.  
All assembly hardware will have a standard manufacturer's finish.
- Typical cloud panel size - 4' x 8' (122 x 244 cm). Custom panels may be available upon request.
- A typical cloud panel weighs approximately 2<sup>1</sup>/<sub>2</sub> lbs per square foot (1.13 kg). Panel weights do not include the additional pipe grid and hardware supplied and installed by others.
- Custom acoustically transparent cloth-covered panels are available for the speaker cluster area if required.
- Verification of all dimensions is required before construction of cloud panels.

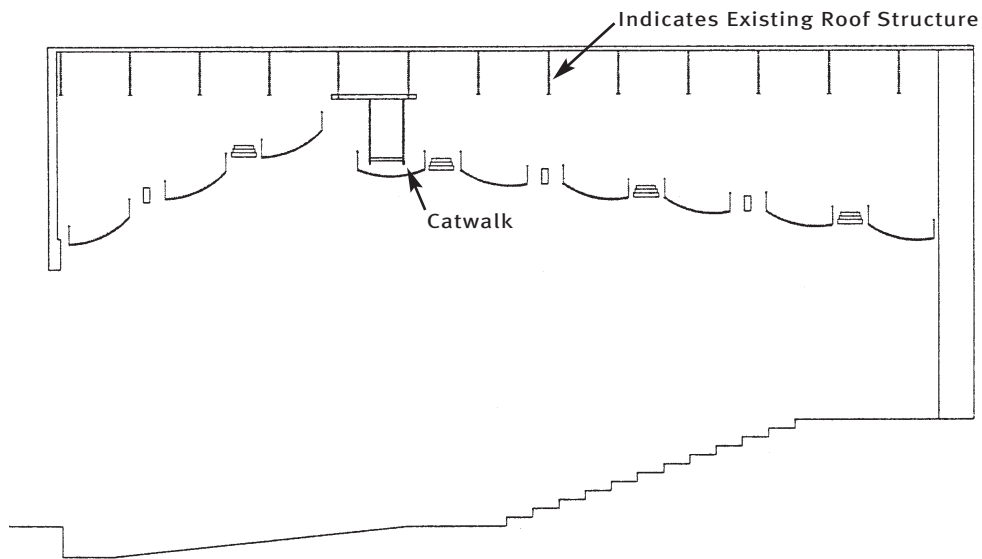
# ACOUSTICAL TREATMENTS

## Typical Drawings

### Half Plan — Auditorium Reflected Ceiling — Panel Spacing and Grouping



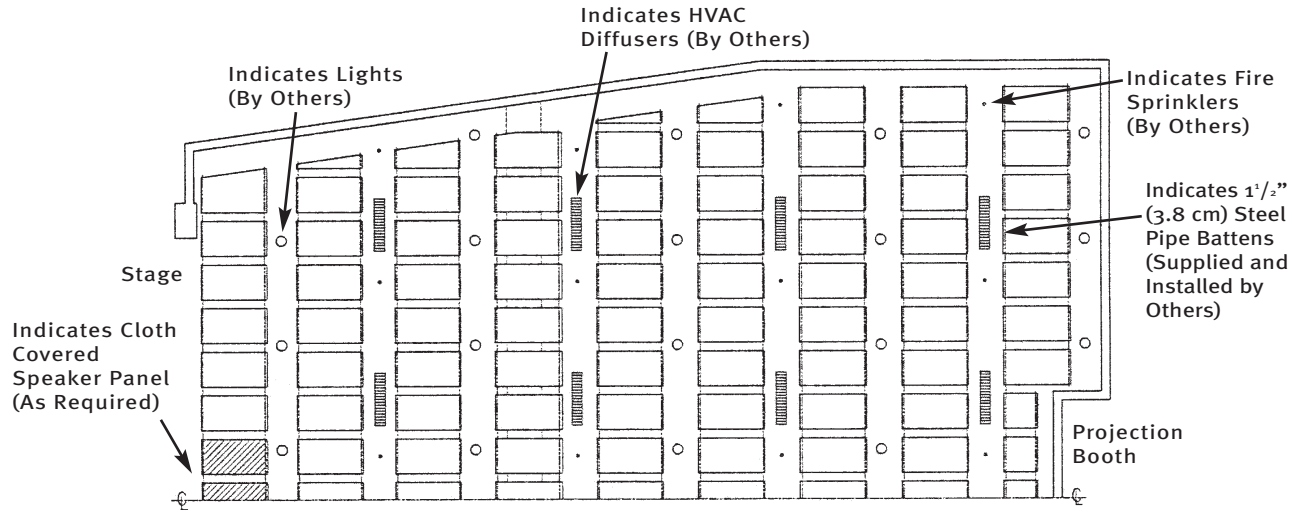
### Section Through Centerline of Auditorium



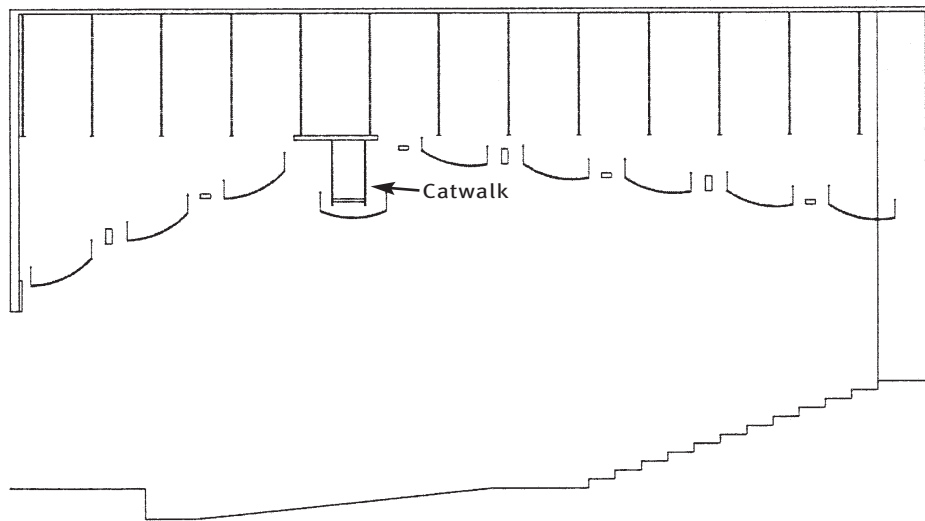
# ACOUSTICAL TREATMENTS

## Typical Drawings

Half Plan — Auditorium Reflected Ceiling — Spacing and Custom Tapers



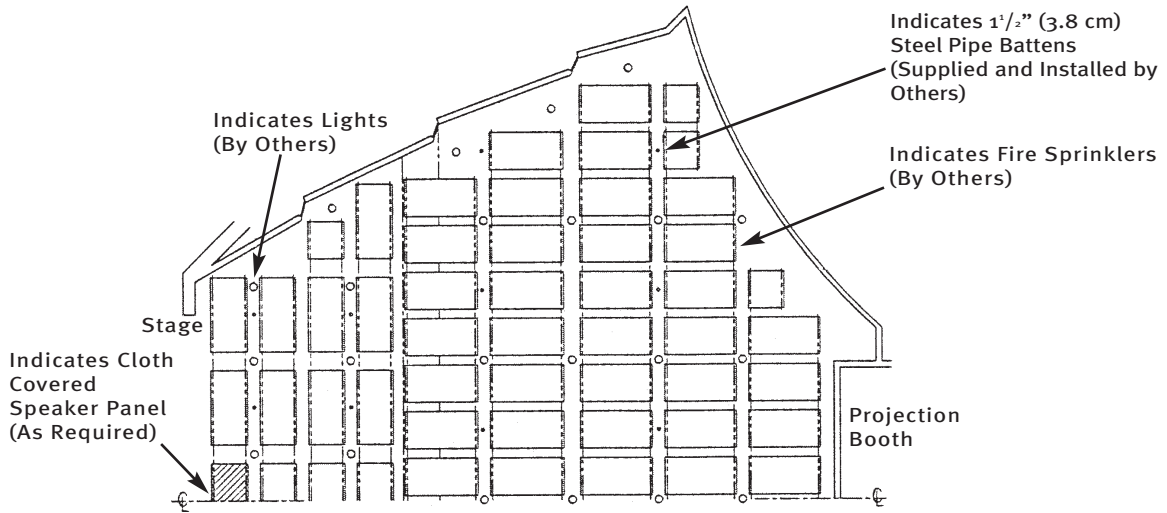
Section Through Centerline of Auditorium



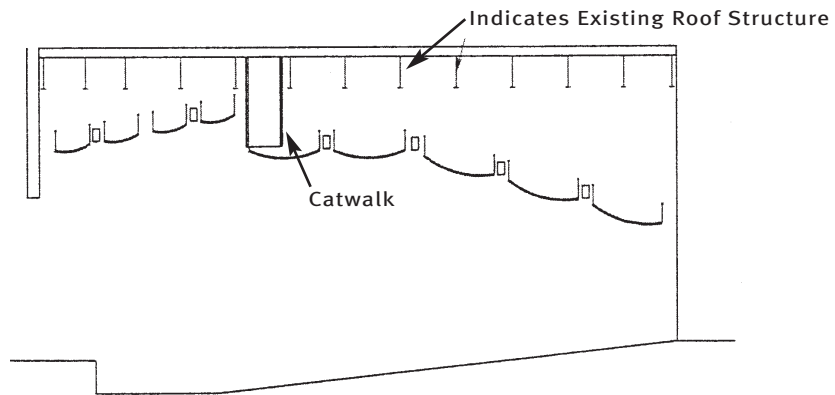
# ACOUSTICAL TREATMENTS

## Typical Drawings

Half Plan — Auditorium Reflected Ceiling — Spacing and Panel Orientation



Section Through Centerline of Auditorium

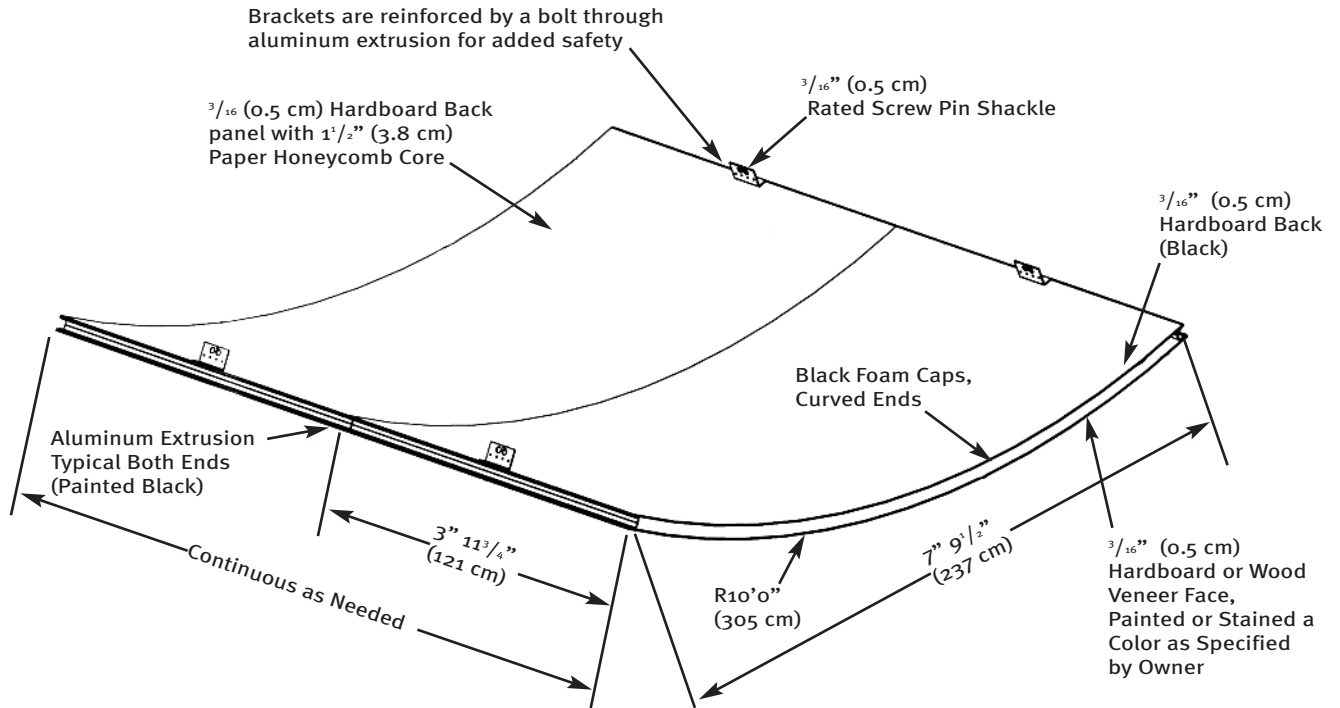




# ACOUSTICAL TREATMENTS

## Typical Drawings

Consult your job site engineer for proper placement and safe installation of the suspension points.



A typical cloud panel weighs approximately  $2\frac{1}{2}$  lbs per square foot (1.13 kg). Panel weight does not include the suspension hardware.

# ORCHESTRA PIT FILLER/STAGE EXTENSIONS



Orchestra Pit Filler /  
Stage Extensions



# ORCHESTRA PIT FILLER/STAGE EXTENSIONS

Make your orchestra pit disappear. Make some valuable storage space appear.

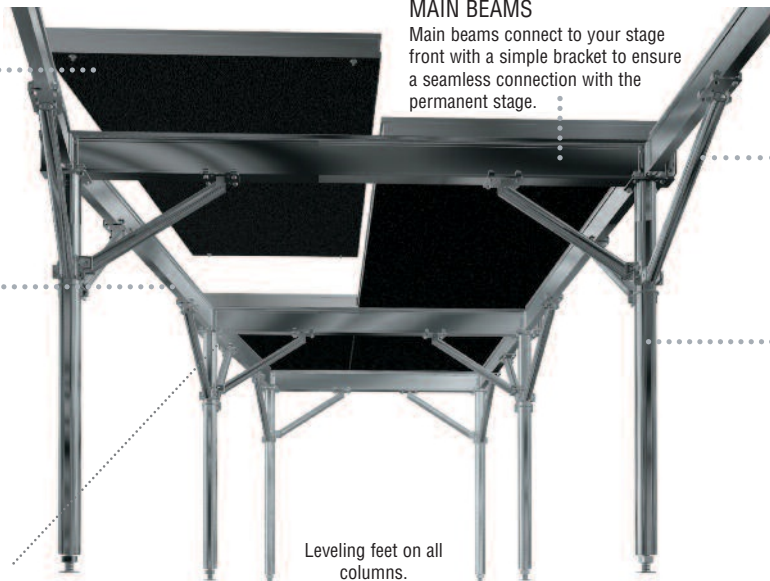
**DECKS**  
STRATA decks lock to the substructure with a simple hex wrench connection. Each deck is isolated from other decks to eliminate rubbing and potential noise generation.

**CROSS BEAMS**  
Cross beams attach to the main beam with a quick tube-and-socket connection – and no tools. This tremendous flexibility ensures an ideal fit even in applications with a difficult-to-match wall radius.

**MAIN BEAMS**  
Main beams connect to your stage front with a simple bracket to ensure a seamless connection with the permanent stage.

**DIAGONAL BRACING**  
Braces are bolted to main beams and cross beams to eliminate loose parts and speed setup. Braces from each beam attach to columns with quick-release pins.

**COLUMNS**  
Columns connect to the main beam with a quick-release pin. This smart, simple system makes switching lengths of columns – or the height of your entire pit filler – faster and easier than ever.



## STRATA® ORCHESTRA PIT FILLER

Our STRATA orchestra pit filler is custom-designed to fit the exact specifications of any orchestra pit. The fit is seamless and extends to the end of the pit. The STRATA orchestra pit filler attaches quickly and easily, requiring only a few parts, a small crew, and only one tool to set up. It provides incredibly strong support while freeing up an amazing amount of useable space below, a result of our innovative column-beam design. Our acoustically dampened decks fit snugly against your existing stage to create an integrated surface that is seamless and extremely quiet.



The system uses a few sturdy columns rather than numerous legs or awkward bridging supports. The result is a structure that is more stable, extremely quiet and provides a huge increase in storage space.

## PRODUCT DETAILS

- Connects to your existing stage with exceptional ease.
- Preattached substructure components make setup fast and intuitive.
- Flexible design gives you the versatility to make adjustments to fit your stage and space.
- The use of beams rather than numerous legs or bridging supports frees up an incredible amount of open space below.
- Honeycomb deck construction acoustically dampens decks and quiets “drumhead” effect.
- Decks nestle side by side with your existing stage to create an integrated surface that is seamless and extremely quiet.
- Simple deck-to-stage connections.
- Leveling feet on all columns.
- A variety of flooring surfaces.
- Five-year warranty.



**QUICK-RELEASE-PIN SYSTEM**  
This convenient design eliminates tools and makes setup quick and easy. The system is used to attach columns to main beams, and also diagonal braces to main beams and cross beams.



**DECKS LOCK IN PLACE WITH HEX KEY**  
A hex key locks each deck in place with a simple turn. It's the only tool you'll need. Each deck is isolated to eliminate rubbing and potential noise generation and can be adjusted independently of other decks.

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wengercorp.com

**Wenger®**  
Your Performance Partner

# ORCHESTRA PIT FILLER / STAGE EXTENSIONS

## Application Information

### General Information

- Designed and developed as an orchestra pit filler.
- Portable interlocking platform system with detachable and interchangeable columns, cross braced to support platform decking. Each column equipped with screw foot leveling.
- The STRATA® Pit Filler system is comprised of several independent units connected together.
- Deck panels can be removed individually and are isolated from adjacent panels.

### Installation Requirements

- Simple deck-to-under structure connections.
- Quick-release-pin system for support structure makes installation faster and consistent.
- Fast, straightforward column-beam setup with few loose parts.
- Leveling feet on all columns.
- Deck panels attach to frames mechanically. A hex key locks each deck in place - no other tools are required.

### Performance Requirements

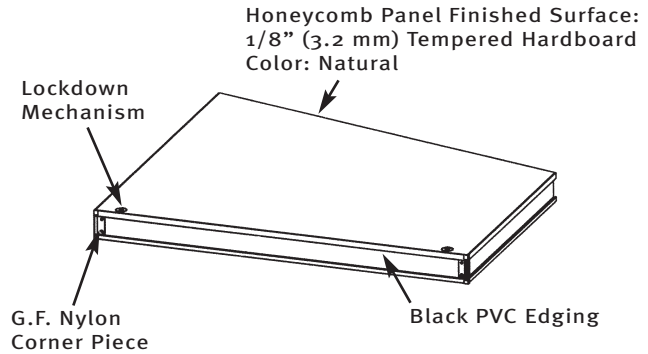
- Available for orchestra pits stages up to 10' (3 m) deep.
- For stages over 10' (3 m), please contact your Wenger representative.
- Composite (honeycomb) deck construction acoustically dampens decks and quiets "drumhead" effect.
- Molded nylon deck corners and extruded PVC edging cap the perimeter of the stage decks to eliminate sharp edges.
- Each deck is isolated to eliminate rubbing and potential noise generation and can be located or repositioned independently of other decks.
- Basic system meets a uniform live load of 125 psf (57 kg).
- System can meet building code standards of L/360.
- Deck surface withstands a point load of 500 lb. (227 kg) on a 2" (5 cm) caster without leaving permanent marks.
- Meets side load criteria of states with seismic loading requirements.
- Five-year warranty.

# ORCHESTRA PIT FILLER / STAGE EXTENSIONS

## Application Information

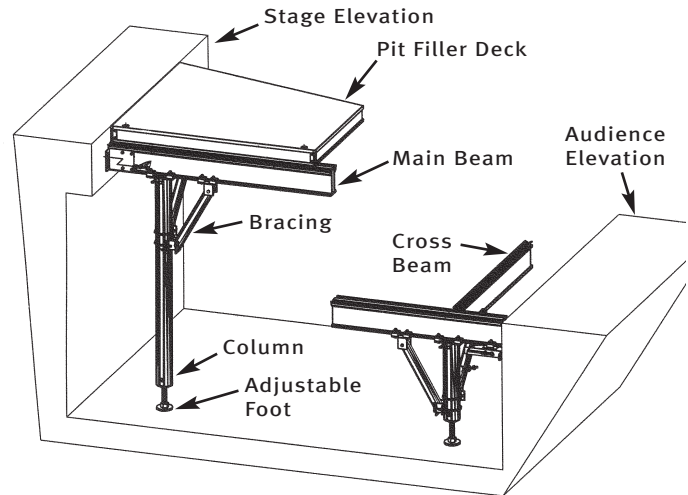
### Composite Panel Deck

- Faces:  $1\frac{1}{32}$ " (8.7 mm) A-C Group 1 exterior plywood.
- Core: Phenolic impregnated paper honeycomb.
- Traffic Surface:  $\frac{1}{8}$ " (3.2 mm) tempered hardboard. Optional  $\frac{5}{8}$ " (15.9 mm) Tongue-and-groove flooring available.
- Edges: Extruded PVC with glass filled nylon corners.
- Panel Attachments: Integral spring loaded screw assemblies that attach panel to supporting understructure.



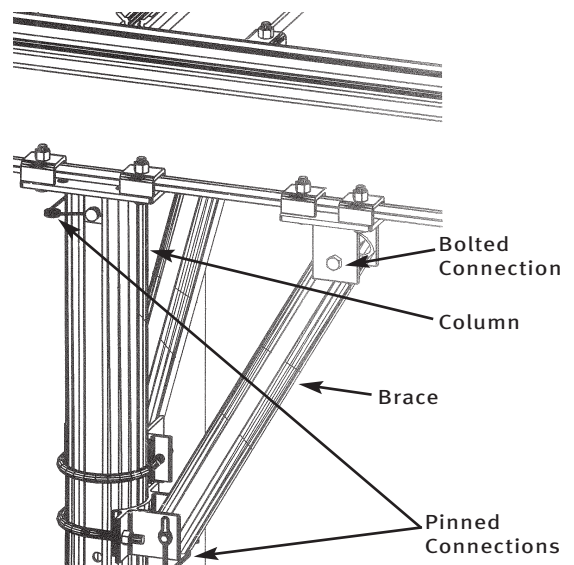
### Understructure Framing Components

- Main framing (beams, columns & bracing): aluminum extrusion, natural mill finish.
- Component connection brackets: Mill finish aluminum or metallic gray powder coated steel. Exposed hardware: Zinc-plated finish.
- Main support beam extrusion shall contain two parallel tracks to allow two adjacent platform panels to be connected.
- Cross beam extrusion with single track for platform panel connection. Cross beam attached to main support beam with pin and socket design requiring no tools. Allow for angled adjustment as required for custom orchestra pit requirements.
- Deck units fasten to main and intermediate beams and remain acoustically isolated from each other, prohibiting noise from friction between deck units.



### Column Assemblies

- Columns: Extruded structural aluminum shapes in lengths to provide platform heights, mill finish aluminum.
- Column to Main Support Beams: Pinned connection requiring no tools.
- Column Adjustment: Threaded foot for leveling. Adjustment range of the foot pad plus or minus 2" (5 cm).
- Bracing: Permanently attached to main support beams and cross beams. Bracing connection to columns is a pinned connection requiring no tools.



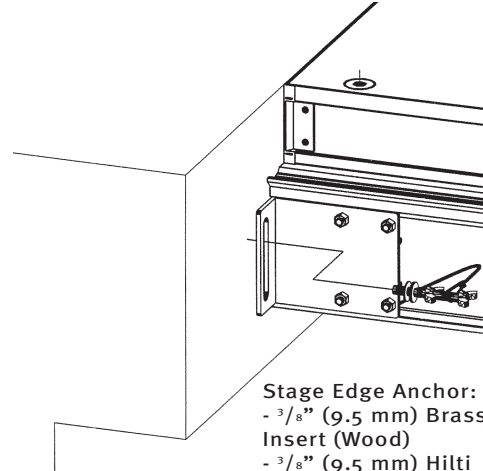
## Application Information

### Beam-to-Stage Lip Connection

- Each main beam is anchored to the stage lip with an adjustable beam-to-stage lip anchor bracket.
- Each anchor point consists of one threaded insert in the stage lip and one threaded locking device,  $\frac{3}{8}$ " (9.5 mm) diameter (minimum).
- Stage lip must be designed to withstand a pull force of 150 lbs (60 kg) at each anchor.

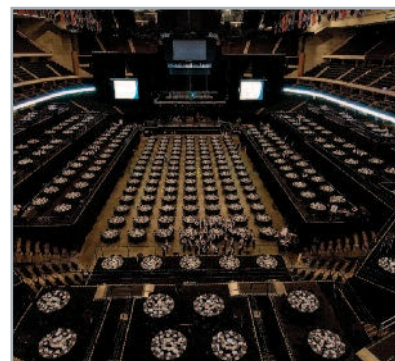
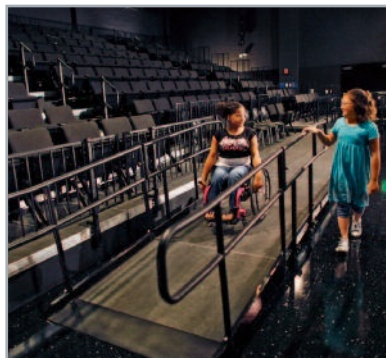
### Storage Carts

- Platform transport cart
- Frame transport cart
- Column/beam transport cart
- Carts equipped with 4 ball bearing casters with 8" (20 cm) wheels, each rated at 900 lbs (408 kg). Two casters swivel and two are rigid.



Stage Edge Anchor:  
-  $\frac{3}{8}$ " (9.5 mm) Brass Threaded Insert (Wood)  
-  $\frac{3}{8}$ " (9.5 mm) Hilti (or equivalent) Drop-In Anchor (Concrete)

# STAGING AND SEATED RISER SYSTEMS



Staging & Seated  
Riser Systems

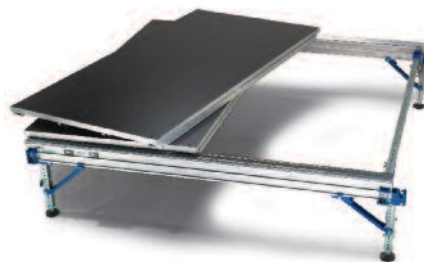
# STAGING AND SEATED RISER SYSTEMS

Heavy-duty performance that's easy to use and a solid investment.



## StageTek™ STAGING & SEATED RISERS

Everything about StageTek™ is an advancement. The refined, smart design is the result of extensive research, engineering and technical advancements in materials and manufacturing. The result is a staging system that is lighter, stronger, easier to handle and faster to set up. When it comes to stretching your investment across multiple needs like seated risers and performance stages, StageTek sets a new standard. For unlimited flexibility, an extra set of legs stored inside your deck is all you will need – that's why we made the legs strong, simple and inexpensive. Compare Wenger's newest advancement in staging to any other option and see for yourself why your next stage will be StageTek.



## STRATA® EVENT STAGING

STRATA event staging offers exceptional ease, flexibility and a sleek appearance whether the performance is indoors or out. It's designed with a durable, non-slip, weather-resistant surface. STRATA is engineered to set up quickly and adjust to any terrain – even a hillside."

## EQUAL ACCESS FOR ALL PERFORMERS, THANKS TO THIS PORTABLE ADA-COMPLIANT DISABILITY RAMP

Wenger portable ramps are strong and stable, and they attach securely to Wenger staging units. This cost-effective ramping solution helps ensure that all performers have an equal chance to take the stage. 4'-wide (122cm) ramps adjust to the exact height of stage elevation.



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**WEB SITE**  
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**Wenger®**  
*Your Performance Partner*



# STAGING AND SEATED RISER SYSTEMS

## Application Information

### Standard Options

	StageTek™ Staging System	STRATA® Event Staging
<b>Elevation (fixed legs)</b>	8" (20 cm) increments up to 40" (102 cm) Custom heights available	7" (18 cm) up to 10' (3 m)
<b>Elevation (adjustable legs)</b>	16" - 28" (41 - 71 cm) 24" - 40" (61 - 102 cm) 30" - 54" (76 - 137 cm)	6" - 48" (15 - 122 cm)
<b>Top Material</b>	Black textured, grey carpet, wood-tone hardboard or unfinished plywood	Black or sand polyglass, hardwood or unfinished plywood
<b>Frame</b>	4" (102 mm) extruded aluminum	Extruded aluminum
<b>Standard Sizes</b>	3' x 3' (91 x 91 cm) 3' x 6' (91 x 183 cm) 3' x 8' (91 x 244 cm) 4' x 4' (122 x 122 cm) 4' x 6' (122 x 183 cm) 4' x 8' (122 x 244 cm)  Pie shaped and custom decks are available	4' x 2' (122 x 61 cm) 4' x 4' (122 x 122 cm) 6' x 2' (183 x 61 cm) 6' x 4' (183 x 122 cm) 8' x 2' (244 x 61 cm) 8' x 4' (244 x 122 cm)

### Custom Options

	StageTek™ Staging System	STRATA® Event Staging
<b>Shapes</b>	Available	Available
<b>Tops</b>	Available	Available
<b>Finishes</b>	Available	Available
<b>Elevations</b>	Available	Available
<b>Adjustable Legs</b>	Available	Available

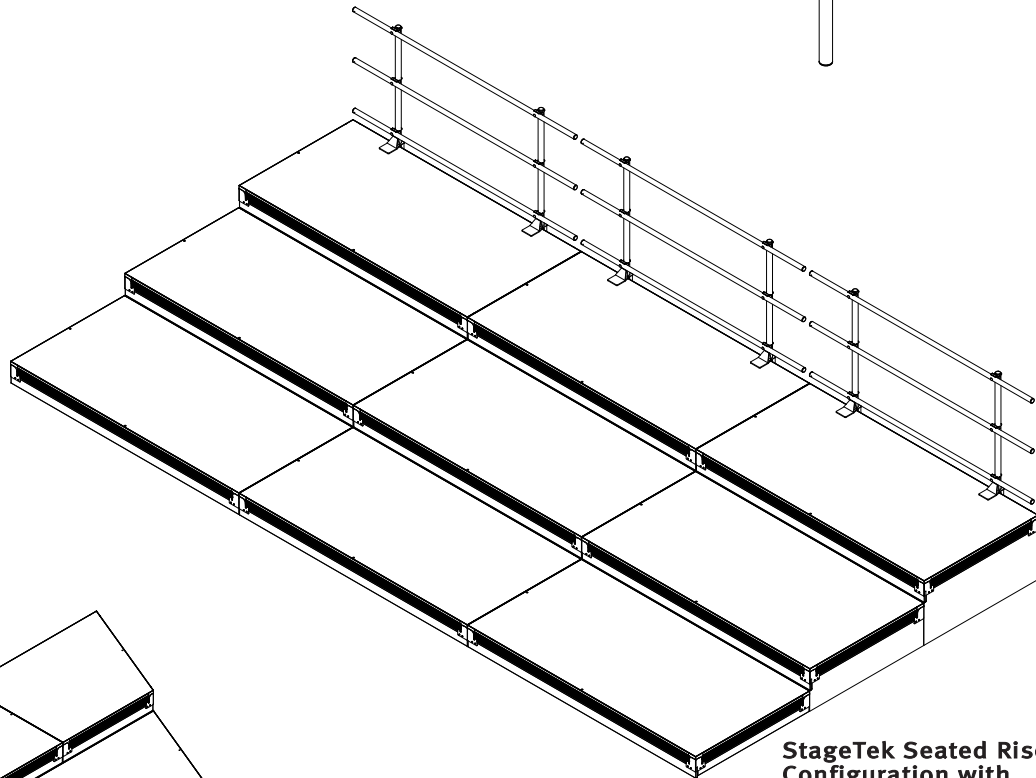
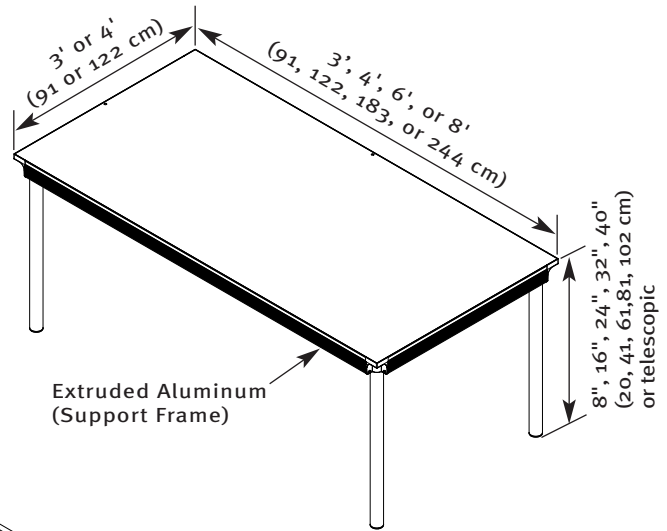
# STAGING AND SEATED RISER SYSTEMS

## Application Information

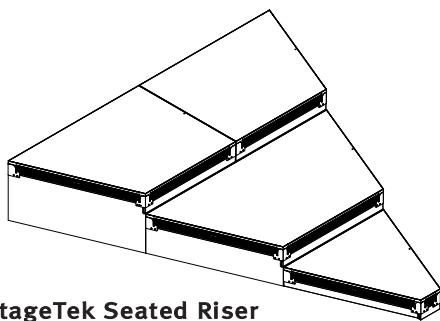
### StageTek™ Staging System Typical Unit

- Decks are available in the following sizes:
  - 3' x 3' (91 x 91 cm): 37 lbs (17 kg)
  - 3' x 6' (91 x 183 cm): 65 lbs (29 kg)
  - 3' x 8' (91 x 244 cm): 87 lbs (39 kg)
  - 4' x 4' (122 x 122 cm): 59 lbs (27 kg)
  - 4' x 6' (122 x 183 cm): 85 lbs (39 kg)
  - 4' x 8' (122 x 244 cm): 107 lbs (49 kg).
- Pie Shaped and Custom Decks are available.

- StageTek™ is a highly flexible design and can be used to accommodate many unique and custom applications.
- Five-year warranty.



StageTek Seated Riser Configuration with Guardrails and Closure Panels



StageTek Seated Riser Configuration with Pie Shaped Decks and Closure Panels

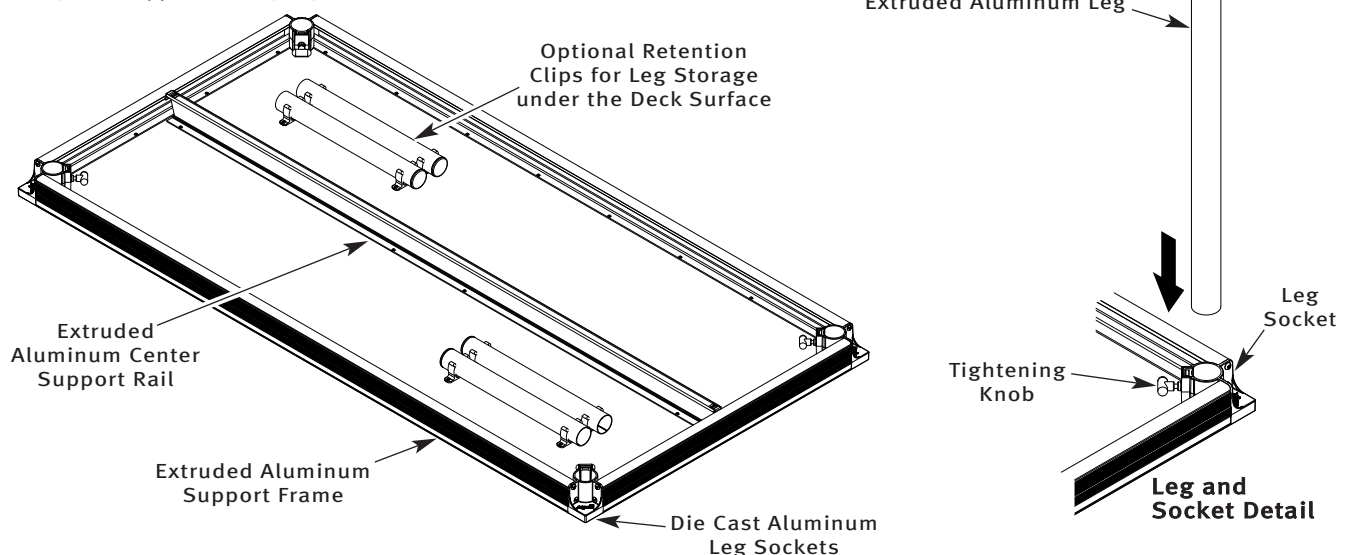
## Application Information

### StageTek Staging System Typical Unit

- Platform Decks are  $\frac{3}{4}$ " (19 mm) thick and constructed of Group I veneer plywood with a protective laminate on both sides.
- Surface options:  
 Black Standard (Cracked Ice Polypopelyne): A slip resistant overlay recommended for general multi-purpose.  
 Black Versalite-Match (Moroccan): A slip resistant overlay that will match Wenger Versalite decks.  
 Black Heavy-Duty (Quadriple): An aggressive textured overlay for applications requiring greater slip resistance.  
 Natural Hardboard: A  $\frac{1}{2}$ " (12 mm) plywood bonded between two faces of  $\frac{1}{8}$ " (3 mm) tempered hard-ply.  
 Carpeted: Manufacturer's standard grey carpet over a  $\frac{5}{8}$ " (16 mm) plywood core (contact Wenger for a sample).  
 Carpet Ready: A  $\frac{5}{8}$ " (16 mm) plywood core ready to receive carpet surface.
- The Frame and Edging are fabricated from 4" (102 mm) thick aluminum extrusion. The extrusion is designed with a slight recess for hook and loop skirting attachment and also features notches hidden on the inside of the frame to accept accessory attachments.
- An aluminum extrusion center support rail is featured on deck sizes 4' x 8' (122 x 244 cm), 4' x 6' (122 x 183 cm) and 3' x 8' (91 x 244 cm).
- The Frame is designed for safer, easier handling and features rounded contours ergonomically sized for a secure power grip (closed grip).
- Standard Rectangular Decks have four die cast aluminum leg sockets. Legs are quickly secured with the rotation of the knob.

- Standard Legs are fabricated from  $2\frac{1}{2}$ " (6 cm) diameter aluminum extrusions and are finished with non-marring cap. Available in lengths that result in the following deck heights: 8" (20 cm), 16" (41 cm), 24" (61 cm), 32" (81 cm) and 40" (102 cm).
- Adjustable Telescopic Legs feature a threaded leveling foot finished with a rubber pad and non-rattling telescopic adjustment secured with a quick-release pin. Available in lengths that result in the following deck heights: 16"-28" (41-71 cm), 24"-40" (61-102 cm) and 30"-54" (76-137 cm).
- Custom leg sizes are available.
- StageTek Load Ratings as measured on a 4' x 8' (122 x 244 cm) Rectangular Deck:  
 Standard Uniform Load: 125 lbf/ft<sup>2</sup> (6 kN/m<sup>2</sup>).  
 Heavy-Duty Uniform Load: achieved with center leg or smaller decks, 200 lbf/ft<sup>2</sup> (9.6 kN/m<sup>2</sup>).  
 Dynamic Live Load: Side load of 15% of total Uniform Live Load which equals 600 lbf ( 2.7 kN) side load on a platform under a total Uniform Live Load of 4,000 lbf (17.8 kN).  
 Point Load: 1,500lbf (6.7 kN) applied via 1" (2.5 cm) diameter pin.
- Standard Rectangular Decks feature spaces under each platform unobstructed by folding frames or braces allowing for easy storage/stowage space under the system.
- Standard unit-to-unit connectors are 2" (5 cm) wide, heavy-duty hook-and-loop straps with a metal D-Ring. Two are provided with each deck to connect unit legs together.

### StageTek Typical Staging Unit



# STAGING AND SEATED RISER SYSTEMS

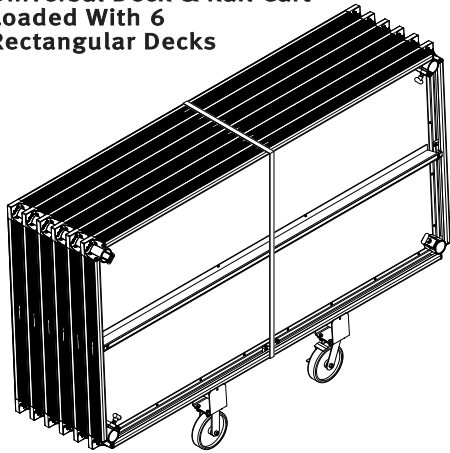
## Application Information

### StageTek Staging System Accessories

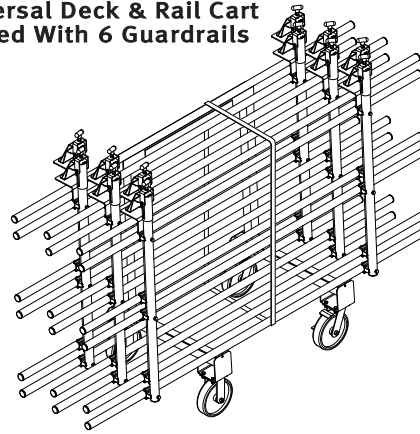
#### Universal Deck & Rail Cart

- 85 lbs (38 kg). Fits through a 32" (81 cm) door).
- Holds 6 StageTek Rectangular Decks or 6 StageTek Guardrails.
- Decks and guardrails can be mixed on the same cart.
- Ideal for non-rectangular units such as pie shapes used in seated risers and oversize units.
- Heavy-duty, non-marring locking casters. Ratcheting nylon safety strap.

**Universal Deck & Rail Cart  
Loaded With 6  
Rectangular Decks**

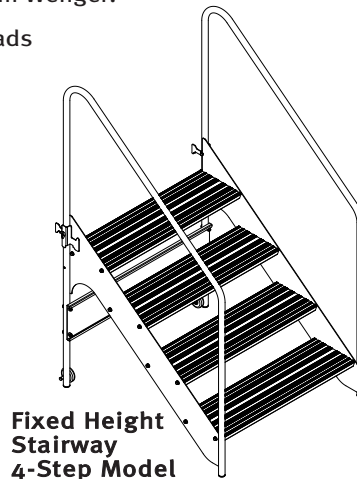


**Universal Deck & Rail Cart  
Loaded With 6 Guardrails**

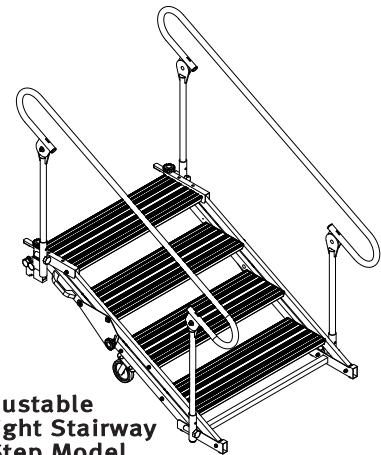


#### Stairways – Fixed Height and Adjustable

- Fixed Height Stairways are available in 2-step: 55 lbs (25 kg), 3-step: 76 lbs (34 kg) and 4-step: 94 lbs (43 kg) models.
- Adjustable Stairways are ideal for custom-height systems and for systems that are frequently set up at different heights.
- Adjustable Height Stairways are available in 3-step, 4-step, 6-step and 8-step models.
- Stairways feature a hook bracket that will work with StageTek, Versalite, Trouper and Type-C stage systems from Wenger.
- Stairs feature aluminum extruded treads and include permanent handrails on both sides.



**Fixed Height  
Stairway  
4-Step Model**



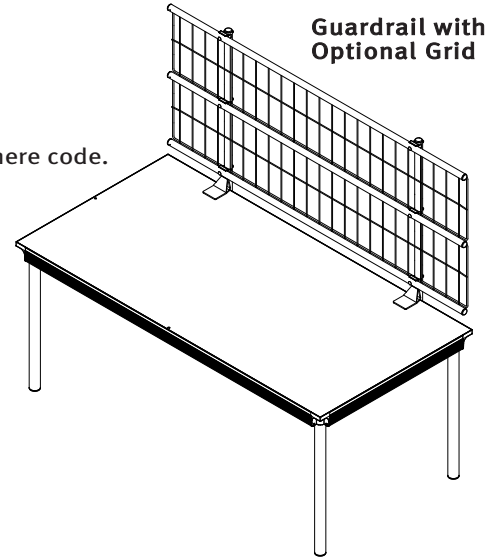
**Adjustable  
Height Stairway  
4-Step Model**

## Application Information

### StageTek Staging System Accessories (continued)

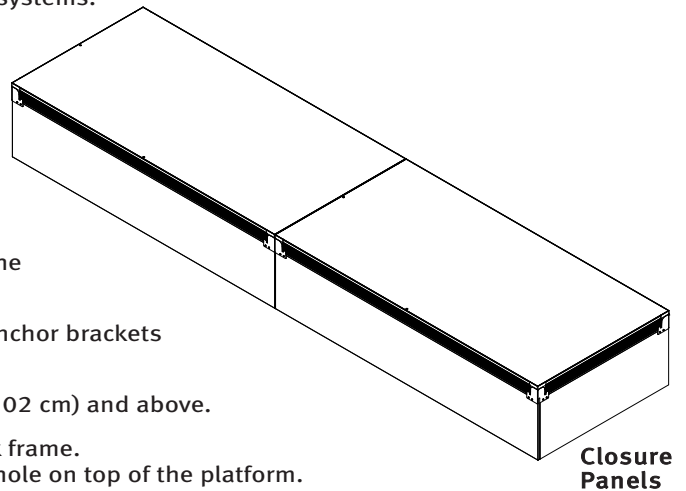
#### Guardrails

- Guardrails comply with IBC code requirements for loading.
- Guardrails feature two uprights and two cross bars. An optional Grid can be added that complies with the IBC 4" (10 cm) sphere code. Guardrails can function as a chair stop.
- Guardrails are 42" (107 cm) high with a black powder-coat paint finish.
- Guardrails clamp to the stage deck without the need for tools.



#### Drapery and Closure Panels

- Drapery is available in heights to match the staging elevation and in a wide variety of colors. 100% fire retardant woven polyester. Attaches with hook and loop fastening strips.
- Backdrop frame attaches to guardrails and positions a drapery 8' (244 cm) above the stage. Available in 4' (122 cm), 6' (183 cm), and 8' (244 cm) widths.
- Solid side and front closures are ideal for seated riser systems. Constructed of the same material as the deck with the same surface options. Edges are finished in a thermofused black edge band. Connects to the rail without tools via an extruded PVC clip running the length of the closure.

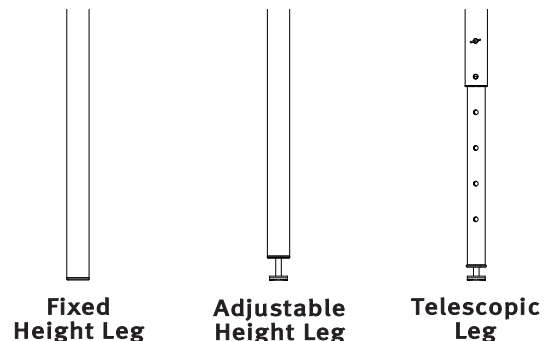


#### Clamps, Connectors and Braces

- Optional Retention Clips for leg storage mount under the deck to provide retained leg storage.
- A variety of metal leg to leg, leg to deck, overlap and anchor brackets are available.
- Stabilizing braces are recommended for heights 40" (102 cm) and above.
- Optional deck-to-deck cam locks are built into the deck frame. Cams can be locked or opened via a small tool access hole on top of the platform.

#### Leg Options

- Available leg options include Fixed Height, Adjustable Height and Telescopic.



## Application Information

### STRATA® Event Staging Typical Unit

#### Intended Use - Major Events, Tent Floors and Outdoors

Decks can support uniform loading of 125 lb/ft<sup>2</sup> (610 Kg/m<sup>2</sup>).

Staging height can be constructed from 7" (17.8 cm) to a maximum height of 10' (3.05 m). Diagonal bracing is required for all stages higher than 24" (61 cm). Cross bracing is required for all stages higher than 48" (1.22 m).

Pass-through openings and holes can be cut into deck surfaces.

#### Finished and Plywood Deck Specification

Five year warranty.

Finished Deck construction is a ¾-inch Exterior grade plywood with a black or sand polyglass or hardwood top surface and aluminum edging. The deck is weather resistant and ultra-violet stable.

Plywood Deck construction is a ¾-inch Exterior grade, unfinished plywood sheet.

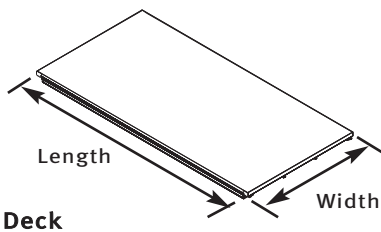
Beam frame components that support the deck surface are aluminum extrusions.

Uniform load capacity is 125 lb/ft<sup>2</sup> (610 kg/m<sup>2</sup>).

Decks are shipped ready-to-use on a shipping pallet.

Deck sizes are:

- 8' x 4' (244 x 122 cm)
- 6' x 4' (183 x 122 cm)
- 4' x 4' (122 x 122 cm)
- 8' x 2' (244 x 61 cm)
- 6' x 2' (183 x 61 cm)
- 4' x 2' (122 x 61 cm)



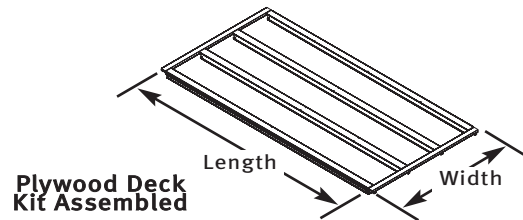
### Plywood Deck Kit Specifications

Five year warranty.

Frame components, aluminum extruded beams, are shipped ready-to-assemble with detailed instructions.

The plywood deck surface, supplied by user, should meet or exceed ¾-inch plywood grade C-C Exterior, C-C PTS (plugged and touch sanded), or B-C Sanded standards.

Available sizes are the same as the Finished Deck.



### Leveled Understructure Specifications

Main Beams, extruded aluminum, are available in lengths from 2' (61 cm) to 16' (488 cm) in 2' (61 cm) increments.

Spanner Beams, 2' square galvanized steel perforated tube, are available in lengths from 2' (61 cm) to 8' (244 cm) in 2' (61 cm) increments. Each Spanner Beam is shipped with a pair of formed steel diagonal braces which should be used when the Leveled Deck is higher than 2' (61 cm).

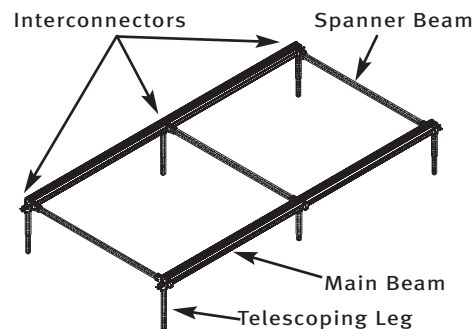
Telescoping Legs, 2" and 1¾" square galvanized steel perforated tube, are available in lengths from 6" (15.2 cm) to 48" (122 cm) in 6" (15.2 cm) increments.

Lower telescoping leg, 1¾" square.

Upper telescoping leg, 2" square.

Interconnectors allow connecting spanner beams to main beams and to telescoping legs are made of formed and welded steel, powder-coat painted.

Main Beam Diagonal Braces, painted formed steel must be used for stages higher than 24" (61 cm).



# STAGING AND SEATED RISER SYSTEMS

## Application Information

### STRATA Tent Floor Specifications

Double Beam Cap, extruded aluminum, is available in lengths from 8' (2.44 m) to 2' (61 cm) in 2' (61 cm) increments and supports adjacent decks (edge-to-edge).

Single Beam Cap, extruded aluminum, is available in lengths from 8' (2.44 m) to 2' (61 cm) in 2' (61 cm) increments and supports only the edge of a single deck.

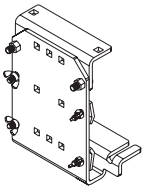
Double Beam Cap Profile suitable to use with a 2x4 (61 cm x 122 cm) wood board.



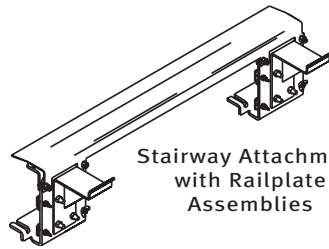
Single Beam Cap Profile suitable to use with a 2x2 (61 x 61 cm) wood board.



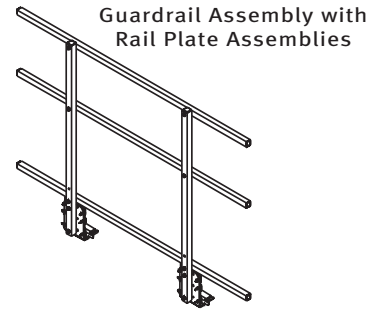
### STRATA Accessories



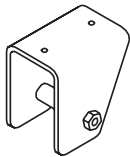
Rail Plate Assembly



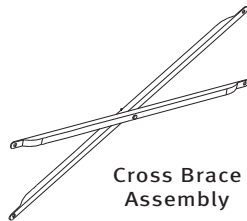
Stairway Attachment with Railplate Assemblies



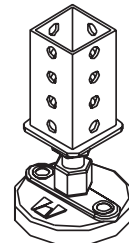
Guardrail Assembly with Rail Plate Assemblies



Beam Link Assembly



Cross Brace Assembly



Articulating Leveling Foot

## Application Information

### Seated Riser Sections

#### Rectangular Section

Consists of three or four individual platforms and three or four elevations.

Platform sizes are 4' x 8' (1.2 x 2.4 m) or 4' x 6' (1.2 x 1.8 m) for band/orchestra, and 3' x 8' (0.9 x 2.4 m) or 3' x 6' (0.9 x 1.8 m) for choral.

Each elevation detaches for relocating or re-configuring at user's option.

#### Pie-Shaped Section

4' (1.2 m) depth platforms for band/orchestra, 3' (0.9 m) depth platforms for choral.

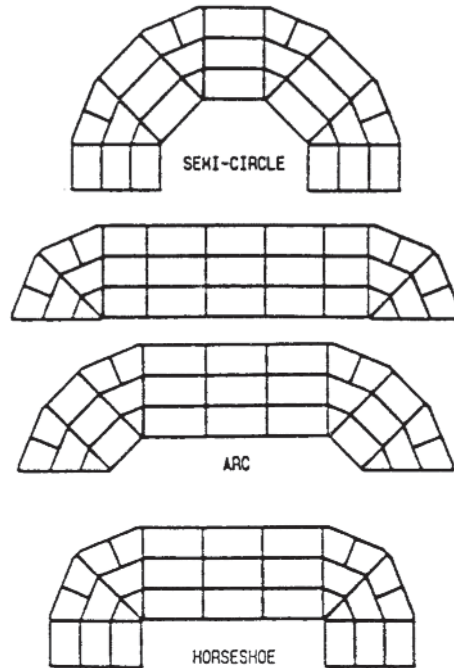
When combined with rectangular sections, pie sections allow you to configure sets of risers in a number of ways, as shown.

### Optional Seated Riser Accessories

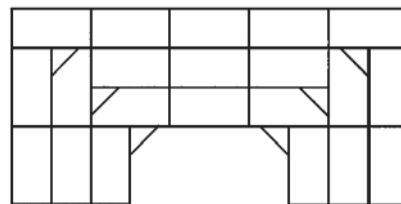
- Transport Carts
- Stairways
- Front and end closure panels
- Drapery closures
- Ramps
- Guardrails.

### Seated Riser Shapes

A riser set may consist of any number of rectangular sections, as well as two or four pie-shaped sections. The sections can be arranged in a variety of ways to provide flexibility in fitting different room dimensions.



Risers can also be configured primarily with rectangular units and tri-corners to "round out" the corners as shown below. Typically, these are used only for band risers, using 4' (1.2 m) wide units. They usually provide greater seating capacity per square foot of floor area used.





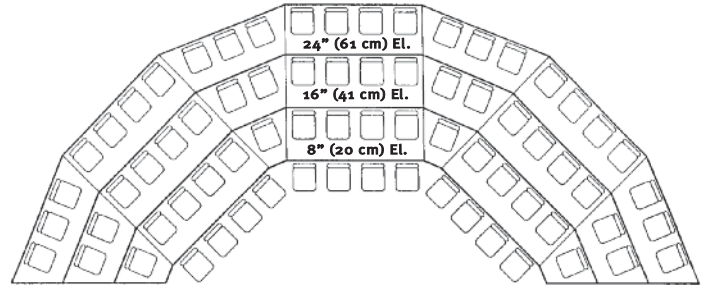
## Application Information

### Example of Choral Seated Risers

Typical Choral Seated Riser with chairs.

All choral riser set capacities are estimated using 26" (66 cm) spacing per student. This spacing allows for adequate access to fresh air during active choral rehearsal.

The 3' (91 cm) riser depth is sufficient for traffic needs and seating comfort where music stands are not required. The 4' (122 cm) riser depth allows for music stands and instrument use on the risers.

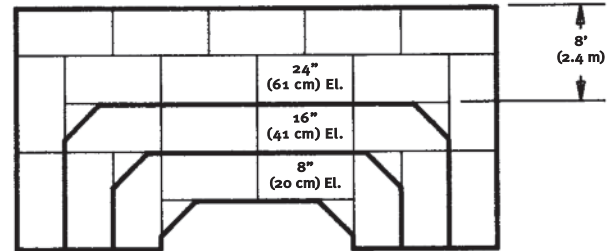
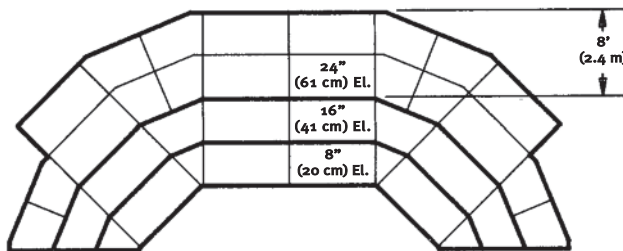
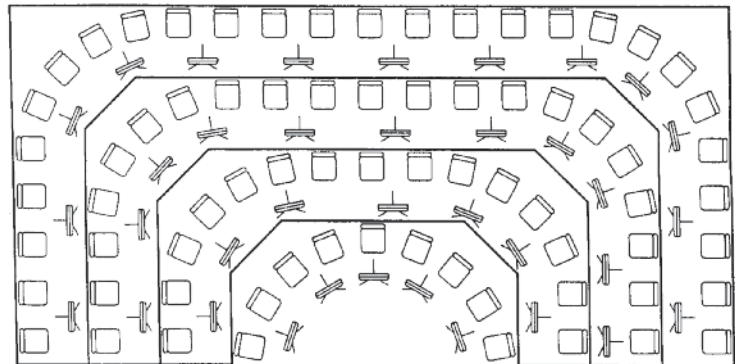


### Example of Band/Orchestra Seated Risers

Typical Band/Orchestra Seated Riser with chairs and music stands.

All band riser set capacities are estimated using 32" (81 cm) spacing per student. The back row of the riser is often used for large percussion instruments, or string bass in orchestras, and thus the total seating capacities may be less than the quantities given.

It is advisable to allow extra space for larger instruments, such as percussion or bass, at the back of the riser. This can be accomplished as shown below by adding a second row of units to the highest elevation to provide an 8' (2.4 m) deep area.

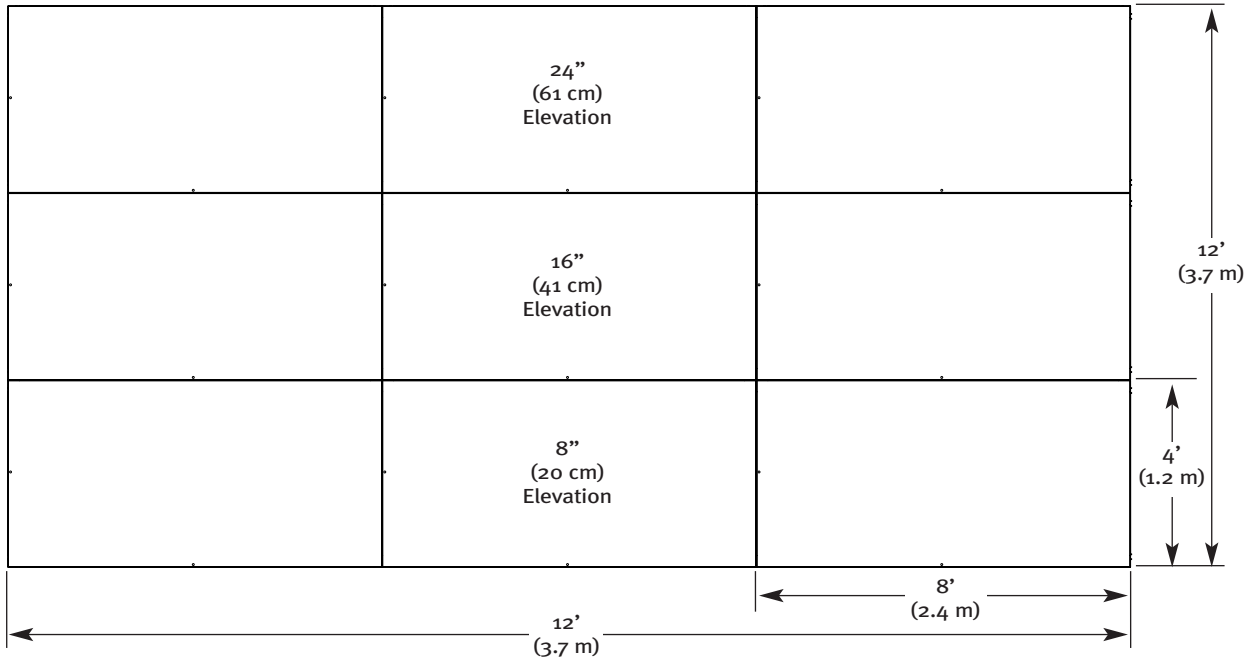


# STAGING AND SEATED RISER SYSTEMS

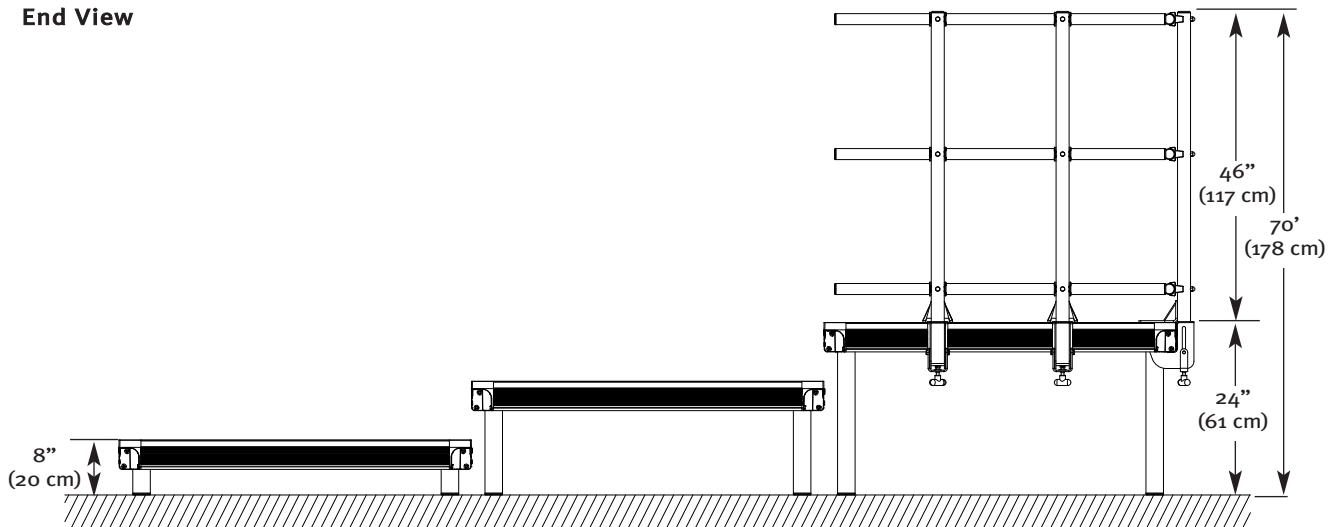
## Application Information

### StageTek Seated Risers Typical Unit

#### Plan View



#### End View



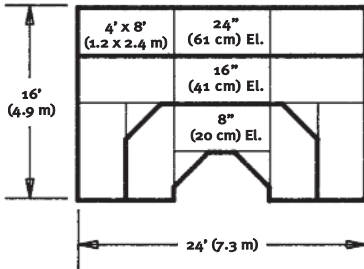
**NOTE:** Stabilizers are not shown but are required for elevations greater than 40" (102 cm).  
Frame to leg clamps are not shown.

# STAGING AND SEATED RISER SYSTEMS

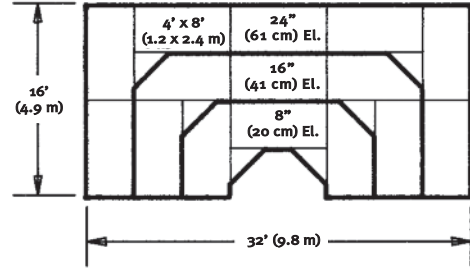
## Application Information

### Rectangular Seated Band/Orchestra Riser Configurations

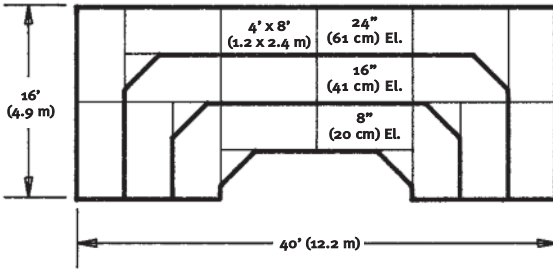
SEATS 33 (36 W/FLOOR)



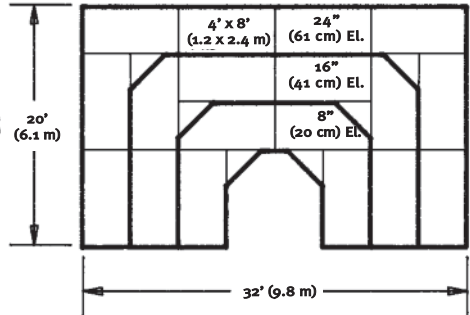
SEATS 45 (48 W/FLOOR)



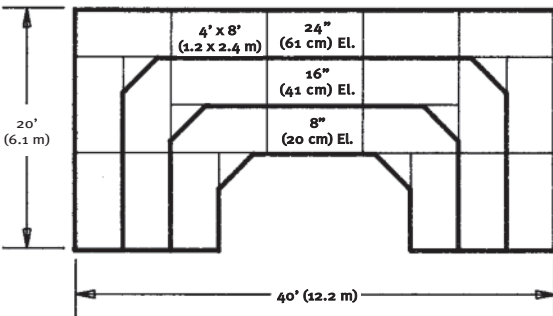
SEATS 54 (60 W/FLOOR)



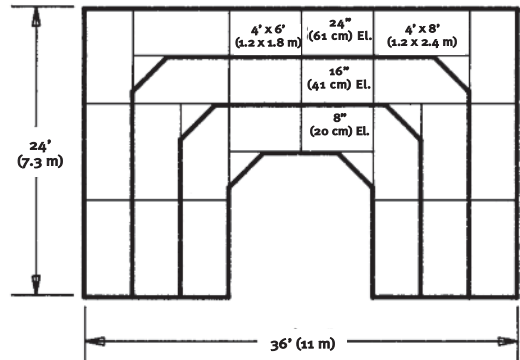
SEATS 54 (61 W/FLOOR)



SEATS 63 (72 W/FLOOR)



SEATS 66 (76 W/FLOOR)



**NOTES:**

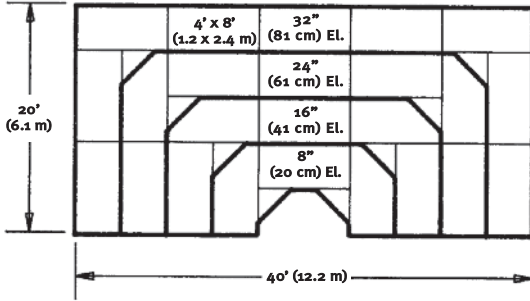
- All band riser set capacities are estimated using 32" (81 cm) spacing per student.
- Additional sets and custom sizes/configurations are available; please call for details.
- Drawings not to scale.

# STAGING AND SEATED RISER SYSTEMS

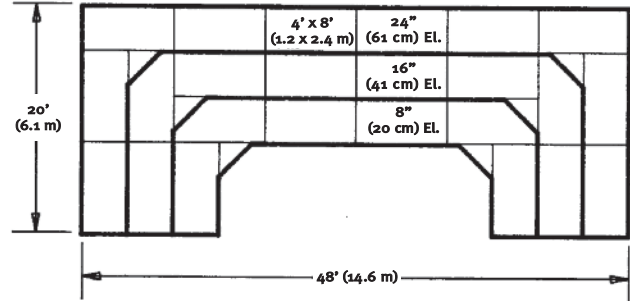
## Application Information

### Rectangular Seated Band/Orchestra Risers

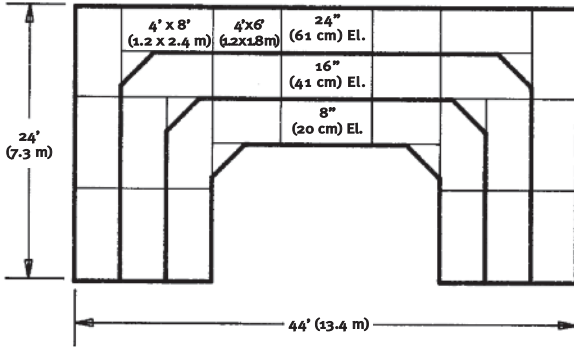
SEATS 72 (75 W/FLOOR)



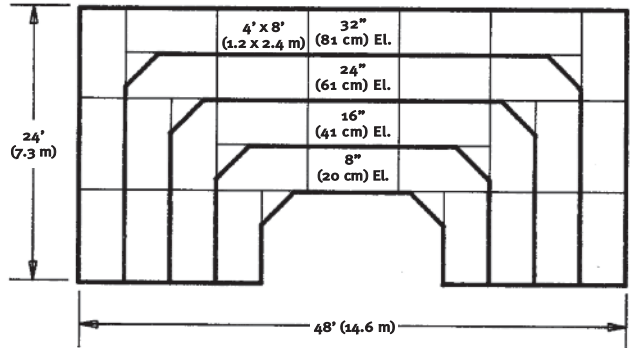
SEATS 72 (84 W/FLOOR)



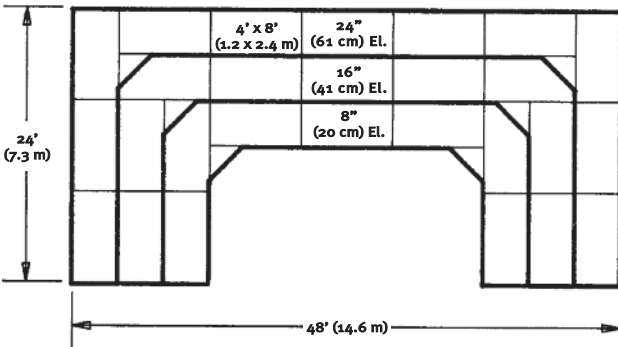
SEATS 75 (88 W/FLOOR)



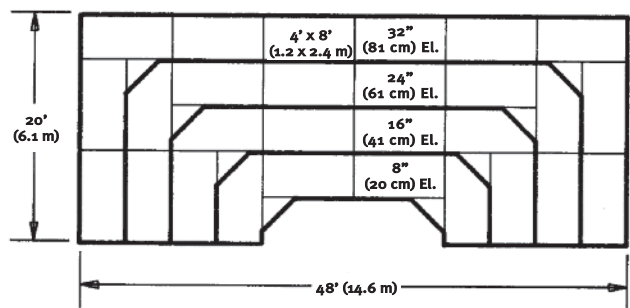
SEATS 96 (105 W/FLOOR)



SEATS 81 (96 W/FLOOR)



SEATS 84 (90 W/FLOOR)



#### NOTES:

- All band riser set capacities are estimated using 32" (81 cm) spacing per student.
- Additional sets and custom sizes/configurations are available; please call for details.
- Drawings not to scale.

# STAGING AND SEATED RISER SYSTEMS

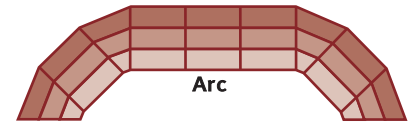
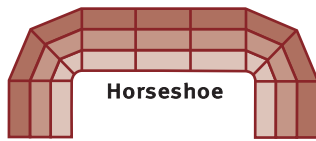
## Application Information

### Seated Riser Building Blocks

Each riser set combines some, or all, of the “building blocks” shown here. The number of building blocks and the number levels determines the final size of the riser and its capacity.

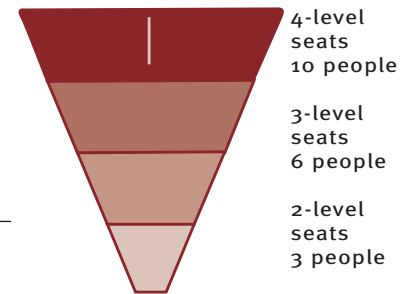
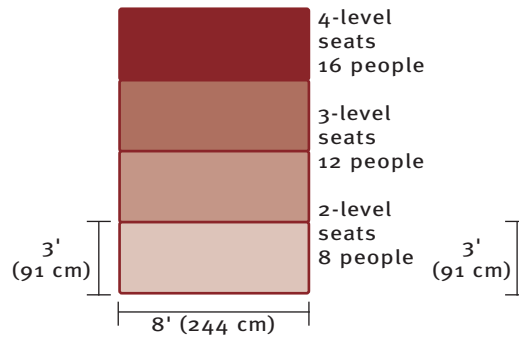
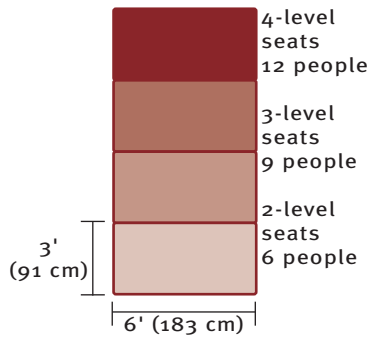
Creating different shapes with one seated riser set

Pie sections are the key to creating different shaped configurations. As illustrated here, one seated riser set can be arranged in several different shapes by changing the position of the pie section. This seated riser set is made up of five straight sections and four pie sections



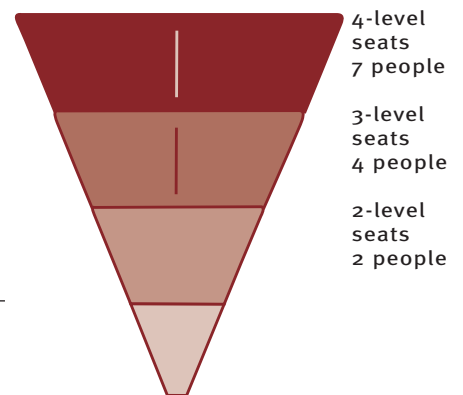
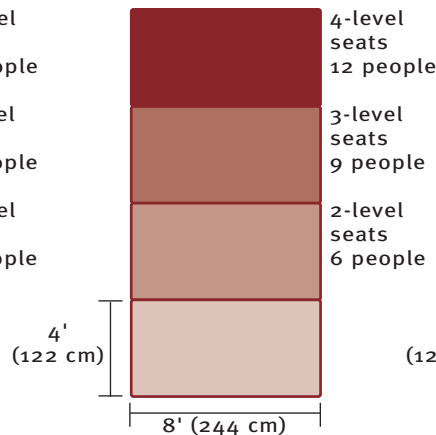
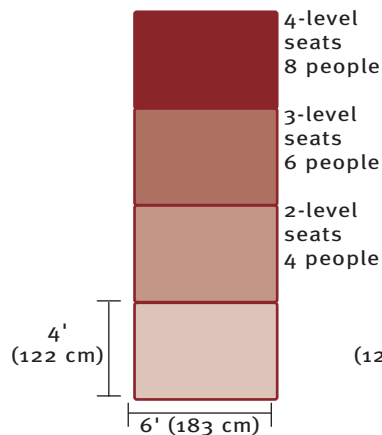
### 3' (91 cm) Risers:

Platforms are 3' (91 cm) deep and seating capacity is based on 26" (66 cm) chair spacing.



### 4' (122 cm) Risers:

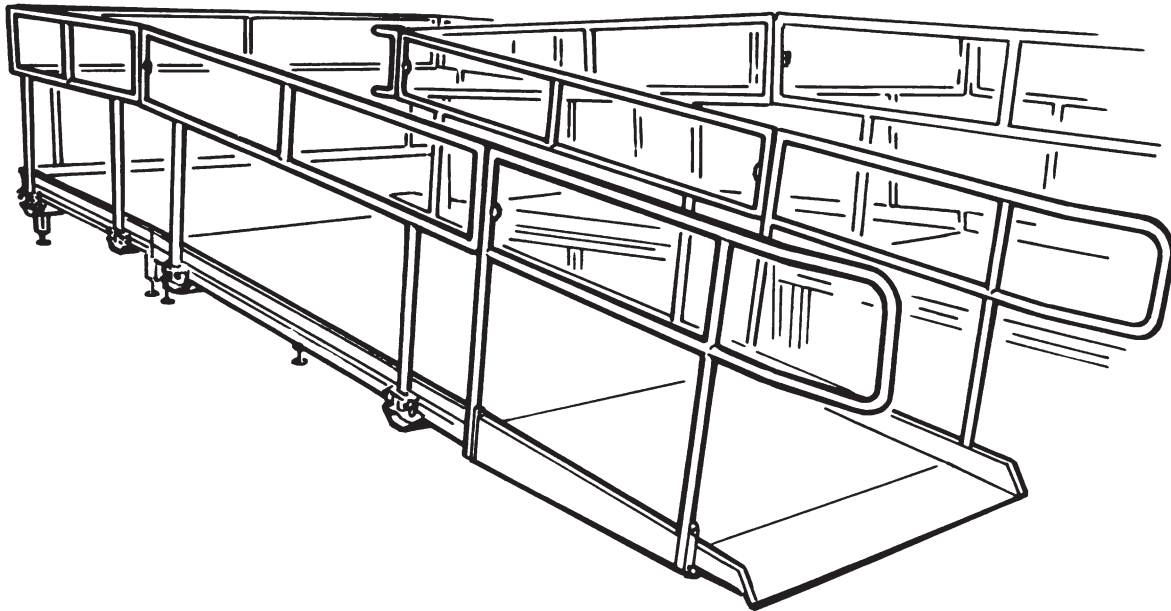
Platforms are 4' (122 cm) deep and seating capacity is based on 32" (82 cm) chair spacing.



## Application Information

### Portable Accessibility Ramp

- Ramp sections use standard 4' (122 cm) wide Versalite Platforms. If you already have a Versalite Platform System, you can use your existing decks with the Disability Ramp frame, or you can use the decks purchased with your ramp system to create flat staging.
- Ramp design allows for different ramp configurations depending upon your needs.
- Ramp design meets all guidelines of the Americans with Disabilities Act (ADA) including ramp slope, hand rails, and landings.
- Compact storage is ideal for facilities that have limited storage space.
- Standard adapters allow the ramp to be used with any type of Wenger portable staging.
- Custom adapters are available for other types of staging, both portable and permanent.

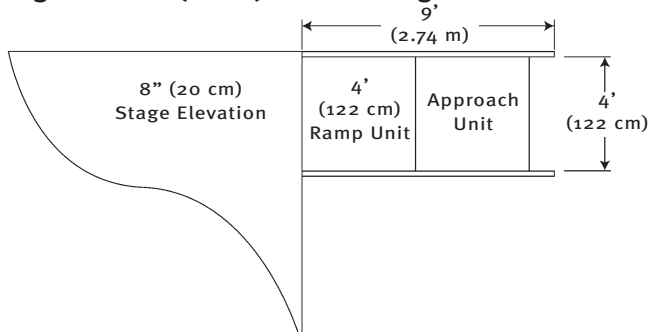


# STAGING AND SEATED RISER SYSTEMS

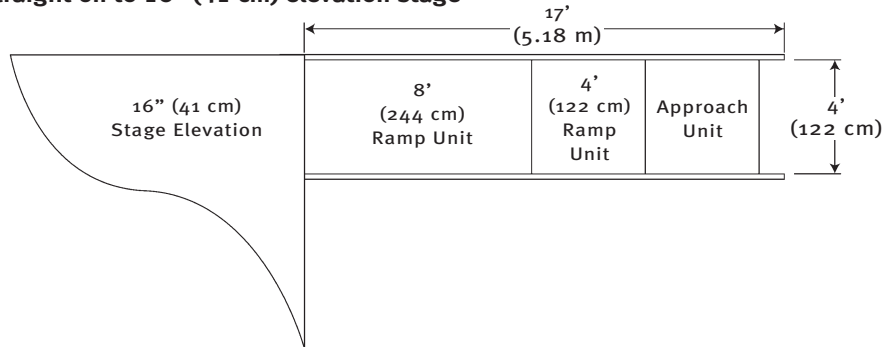
## Typical Layouts

### Portable Accessibility Ramp

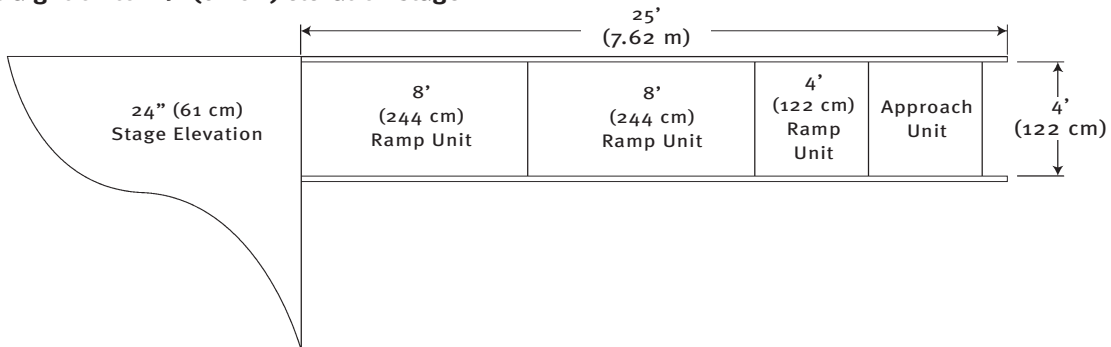
#### Straight on to 8" (20 cm) elevation stage



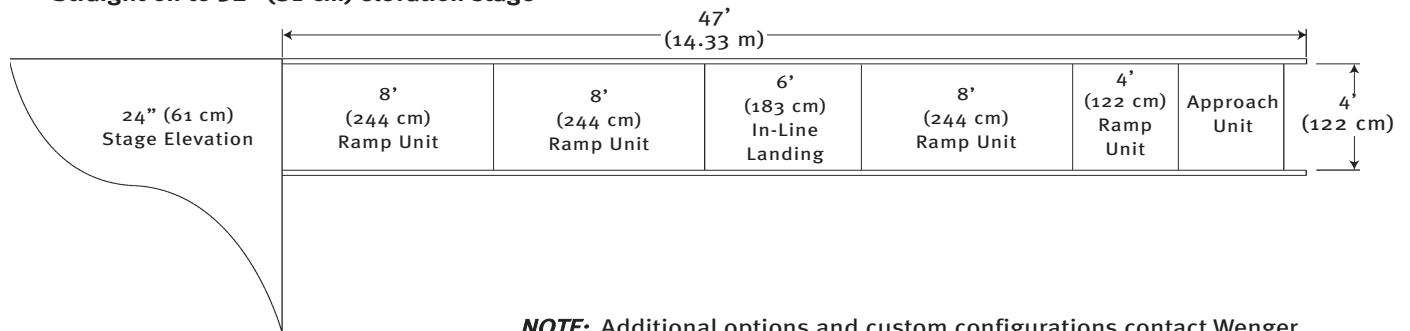
#### Straight on to 16" (41 cm) elevation stage



#### Straight on to 24" (61 cm) elevation stage



#### Straight on to 32" (81 cm) elevation stage

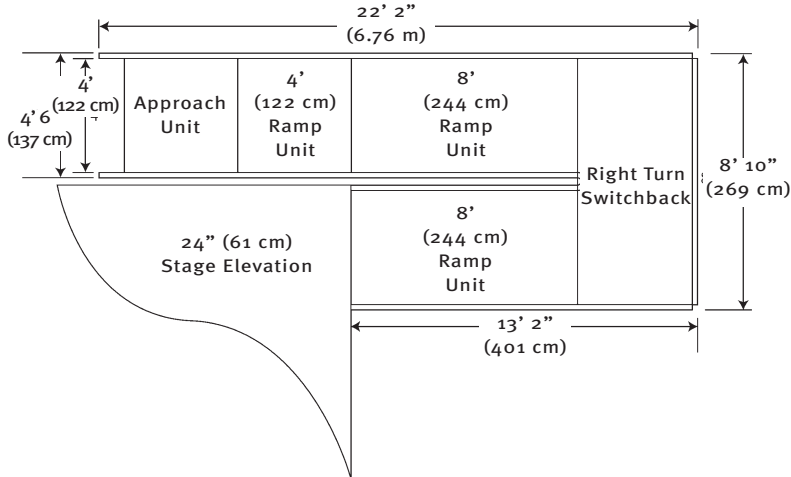


**NOTE:** Additional options and custom configurations contact Wenger.

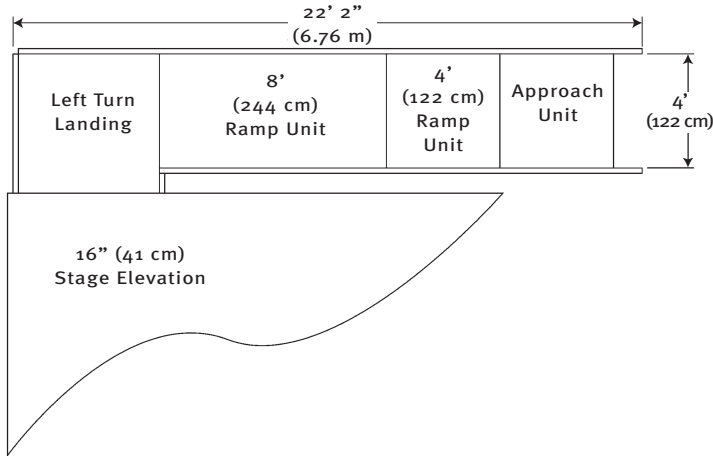
# STAGING AND SEATED RISER SYSTEMS

## Typical Layouts

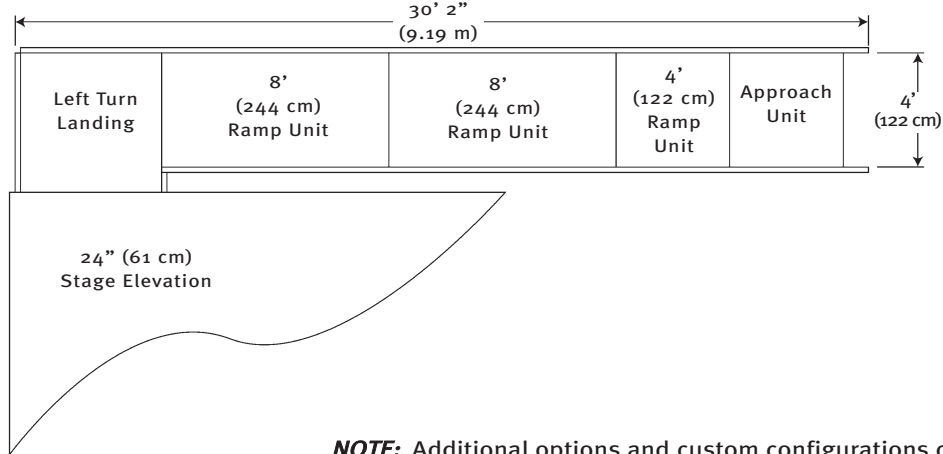
**Straight on to 24" (61 cm) elevation stage with switchback**



**Left-hand turn on to 16" (41 cm) elevation stage**



**Left-hand turn on to 24" (61 cm) elevation stage**



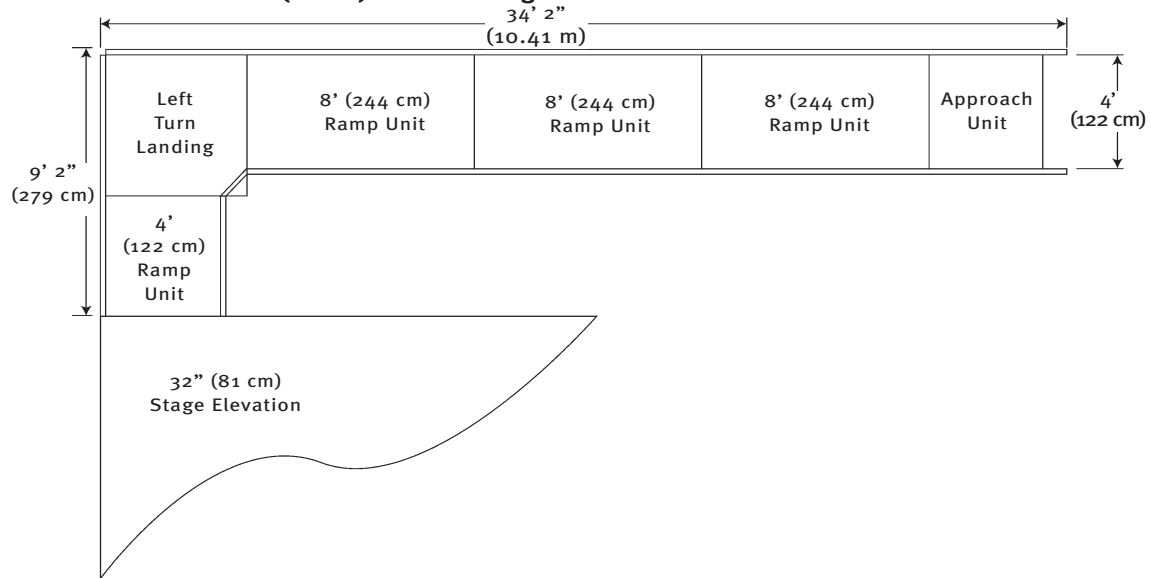
**NOTE:** Additional options and custom configurations contact Wenger.



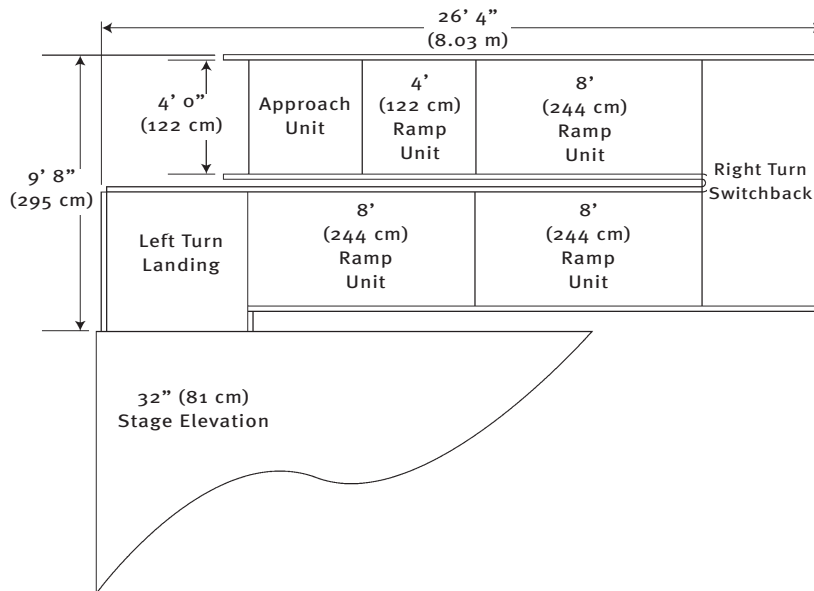
# STAGING AND SEATED RISER SYSTEMS

## Typical Layouts

**Left-hand turn on to 32" (81 cm) elevation stage**



**Left-hand turn on to 32" (81 cm) elevation stage with switchback**

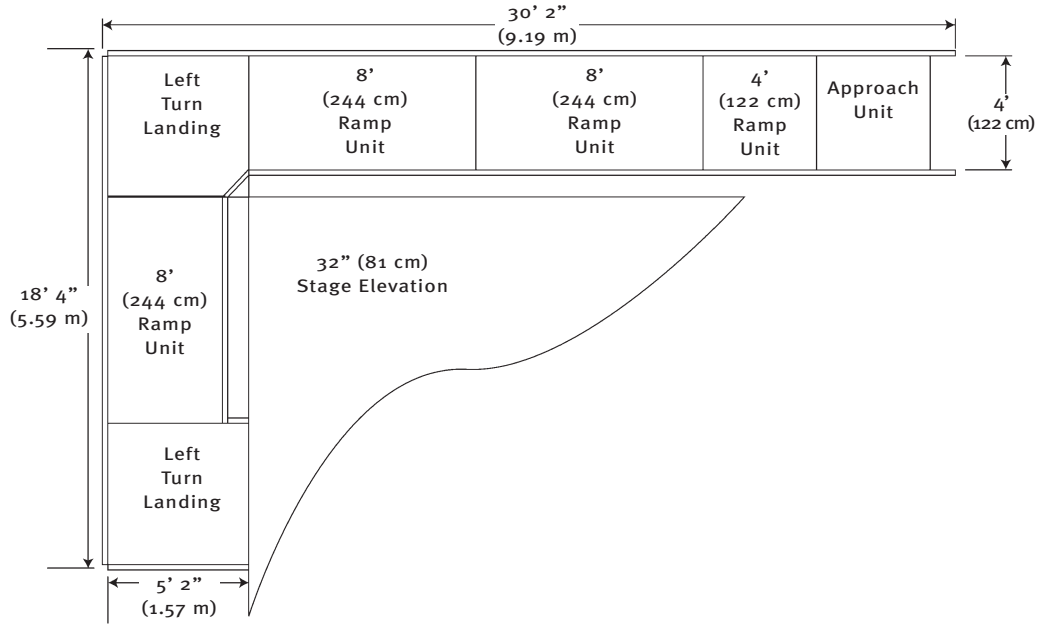


**NOTE:** Additional options and custom configurations contact Wenger.

# STAGING AND SEATED RISER SYSTEMS

## Typical Layouts

Left-hand turn on to 32" elevation stage with left turn landing

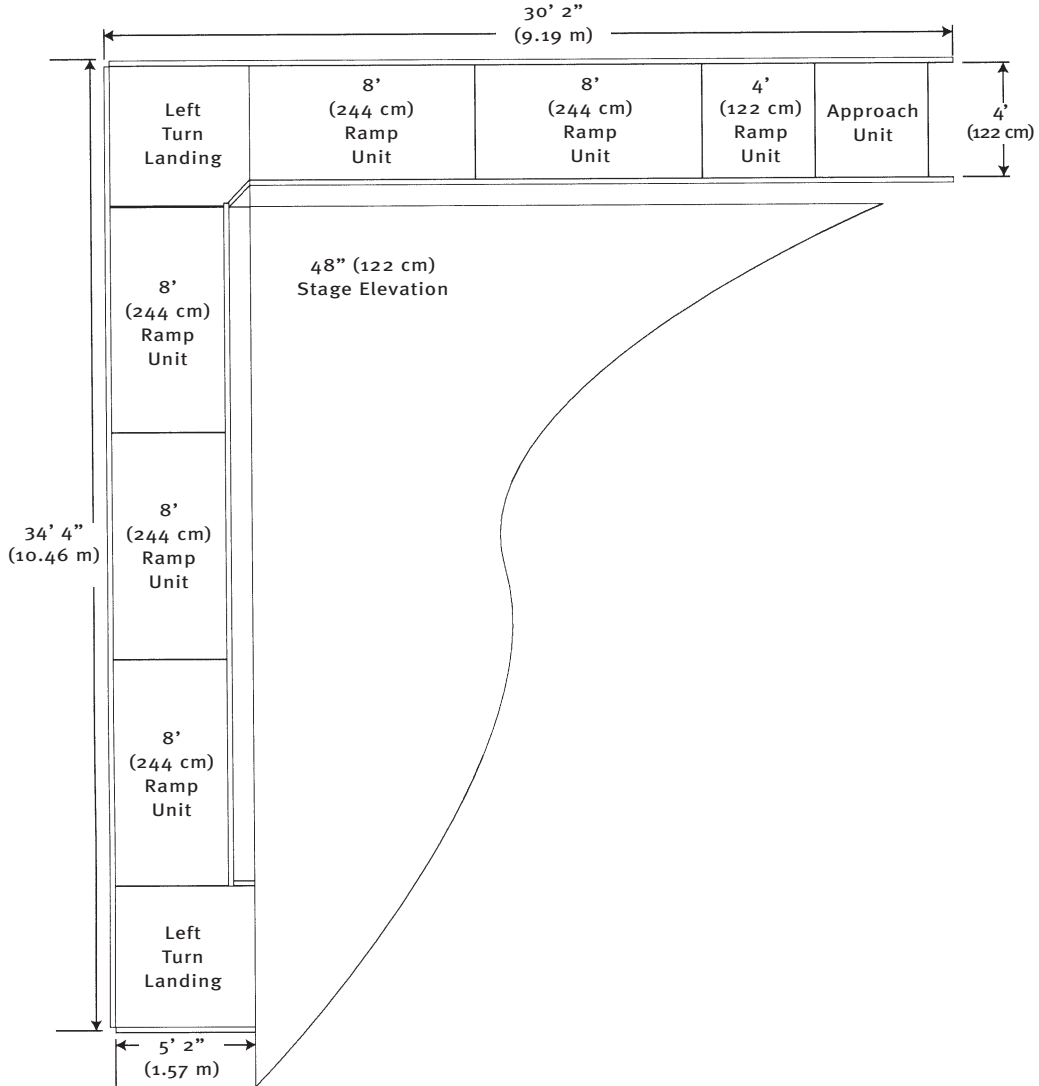


**NOTE:** Additional options and custom configurations contact Wenger.

# STAGING AND SEATED RISER SYSTEMS

## Typical Layouts

Left-hand turn on to 48" elevation stage with left turn landing

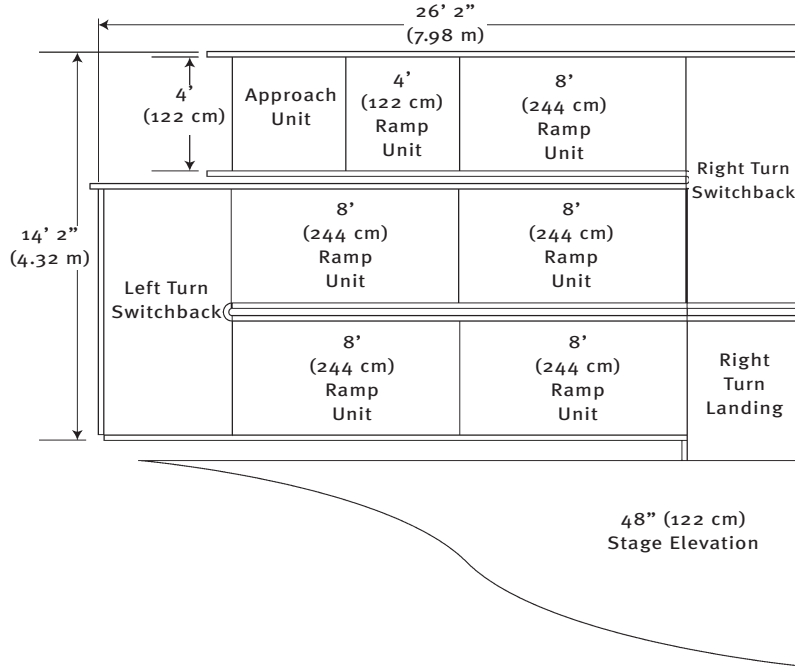


**NOTE:** Additional options and custom configurations contact Wenger.

# STAGING AND SEATED RISER SYSTEMS

## Typical Layouts

Right-hand turn on to 48" (122 cm) elevation stage with two switchbacks



**NOTE:** Additional options and custom configurations contact Wenger.

## Application Information

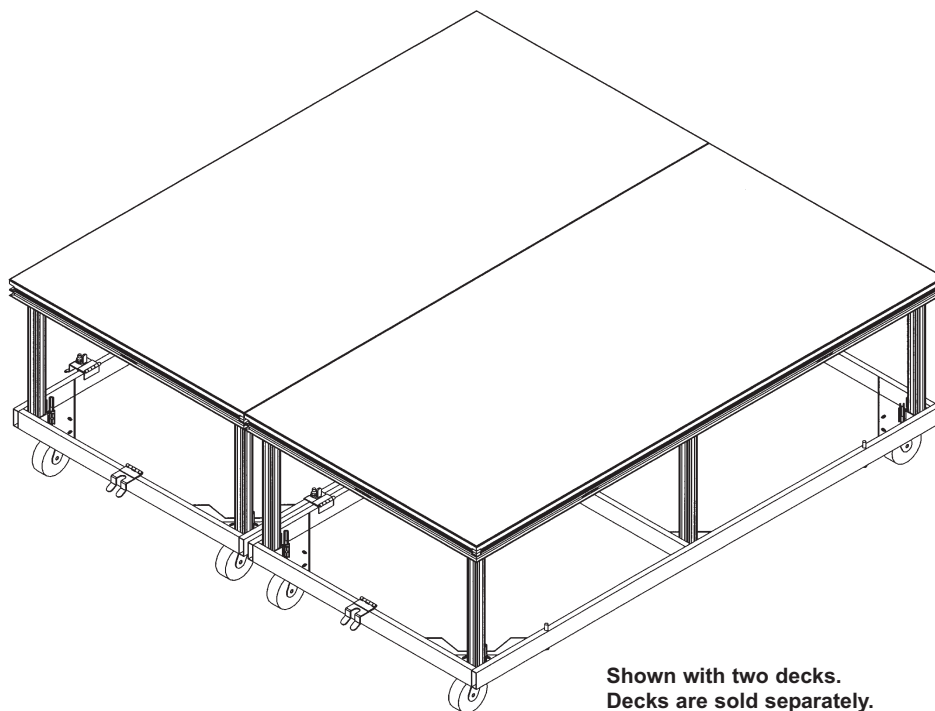
### Miscellaneous information

Technical Sheets are included for:

- Roll-A-Deck
- Stage Boxes
- FlipForms

# Roll-A-Deck®

- 137A003 4' x 8' (122 x 244 cm) deck, shipping weight - 230 lbs (104 kg).
- 137A006 4' x 6' (122 x 183 cm) deck, shipping weight - 230 lbs (104 kg).
- Designed for 4' x 8' and 4' x 6' (122 cm x 244 cm and 122 cm x 183 cm) Versalite decks (ordered separately).
- Roll-A-Deck frame raises platform 8" (20 cm) - ex: platform height with a Roll-A-Deck frame and 16" (41 cm) legs will be 24" (61 cm).
- Maximum allowable platform height is 40" (102 cm).
- 14-gauge tubular steel frame with four easy-rolling, lockable casters.
- Casters rated for 900 lbs. (408 kg) each.
- Maximum load capacity:  
 3200 lbs (1452 kg) for a 4' x 8' (122 x 244 cm) unit  
 2400 lbs (1089 kg) for a 4' x 6' (122 x 183 cm) unit
- Five-year warranty.



Shown with two decks.  
Decks are sold separately.

**WENGER CORPORATION**  
 555 Park Drive, PO Box 448  
 Owatonna, MN 55060-0448  
 Phone 800.4WENGER (493-6437)  
 Fax 507.455.4258  
 Customer Service 800.887.7145

**WENGER CORPORATION**  
**CANADIAN REPRESENTATIVE OFFICE**  
 Phone 800.268.0148

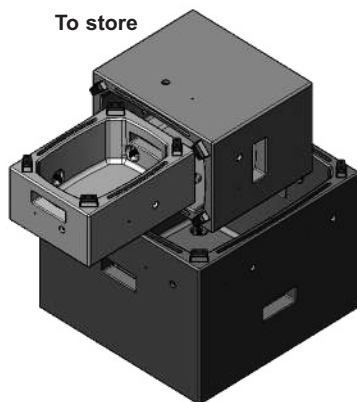
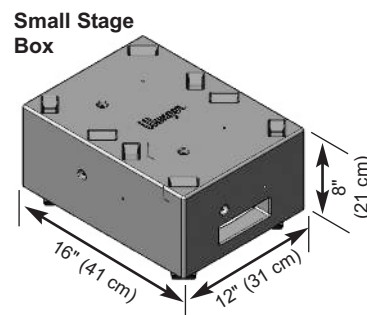
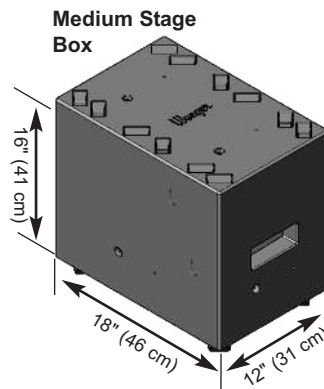
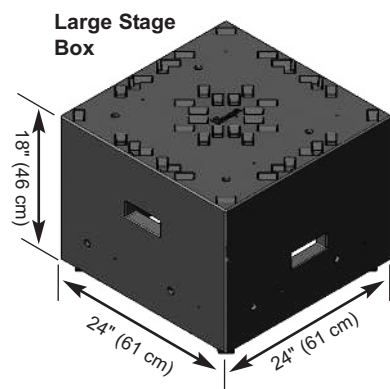
**WENGER CORPORATION**  
**BEIJING REPRESENTATIVE OFFICE**  
 Phone 0086-10-84972502  
 Fax 0086-10-84972575

**WORLDWIDE**  
 Phone 1.507.455.4100  
 Fax 1.507.444.0685

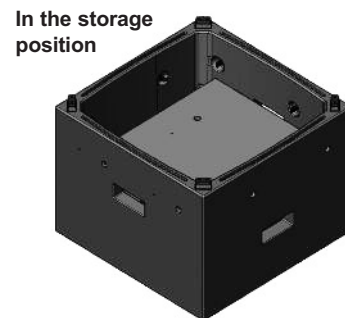
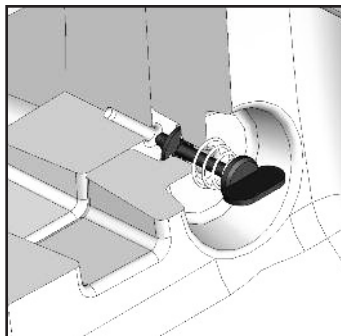
**WEB SITE**  
[wengercorp.com](http://wengercorp.com)

# Stage Boxes

- 029A105 Black, 24" x 24" x 18" (61 x 61 x 46 cm), 32 lbs (14.5 kg)
- 029A104 Black, 18" x 12" x 16" (46 x 31 x 41 cm), 16 lbs (7.25 kg)
- 029A103 Black, 16" x 12" x 8" (41 x 31 x 21 cm), 8 lbs (3.6 kg)
- 029A098 3-Pack Set, black (54 lbs) (24.5 kg).
- Boxes are sized to mimic basic furniture items and correlate with Wenger staging and flipFORMS® units.
- Rotationally molded linear low-density polyethylene provides durability and longevity.
- Shell has skid resistant texture molded into surface for added safety and sure-footedness.
- Molded thru-handles for easy transportation by one person.
- One open end allows for boxes to be nested compactly for storage or to be used as a transportation crate.
- Protruding feet nest in recessed pockets to allow boxes to stack securely.
- Rubber feet prevent box from moving/slipping on smooth surfaces.
- Patented connection design allows for quick and secure side-to-side, side-to-top, or top-to-top connection.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.
- Patented.



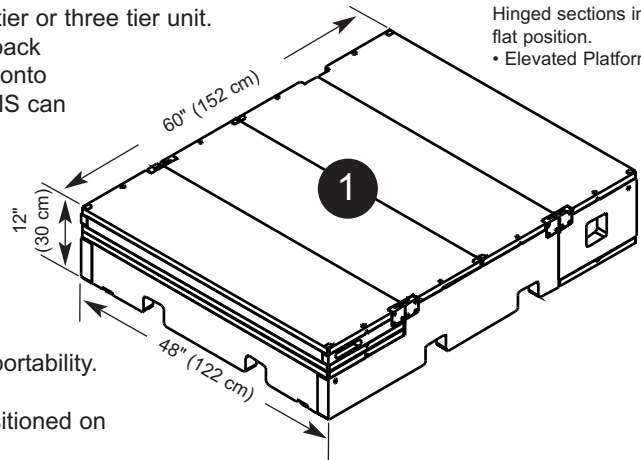
**Storage Requirements (L x W x H)**  
 1 Set Nested: 24" x 24" x 18" (61 x 61 x 46 cm)  
 2 Sets Nested: 24" x 24" x 35" (61 x 61 x 89 cm)



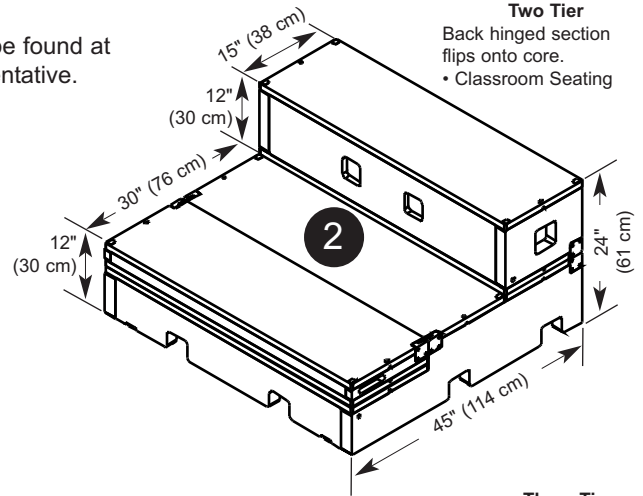
## flipFORMS®

- 025D002 Blue/Grey, 025D003 Green/Grey, 025D004 Yellow/Grey, 025D005 Red/Grey, 025D027 Grey/Grey, 025D028 Black/Black (100 lbs) (45 kg).
- Takes on three basic shapes for use as a one tier platform, two tier or three tier unit.
- Has two moveable sections hinged onto a core unit. Flip larger back section onto core for two tiers. Flip both back and front sections onto core unit for three tiers. When both sections are down, flipFORMS can be used as a one tier raised platform.
- Blow molded, high-density polyethylene plastic shell provides an easy-to-clean surface that's super tough.
- Shell has skid resistant texture molded into surface for added safety and surefootedness.
- Replaceable tops.
- Recessed, molded handholds on front and sides for easy positioning or carrying.
- Built-in wheels in reinforced wheel pockets provide one-person portability.
- Units store in an upright position.
- Twelve 1½" (4 cm) square skid-resistant, non-marring glides positioned on bottom of the unit. Secured by recessed screws.
- Patented hinge design maintains flat surface in all positions.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Five-year warranty.

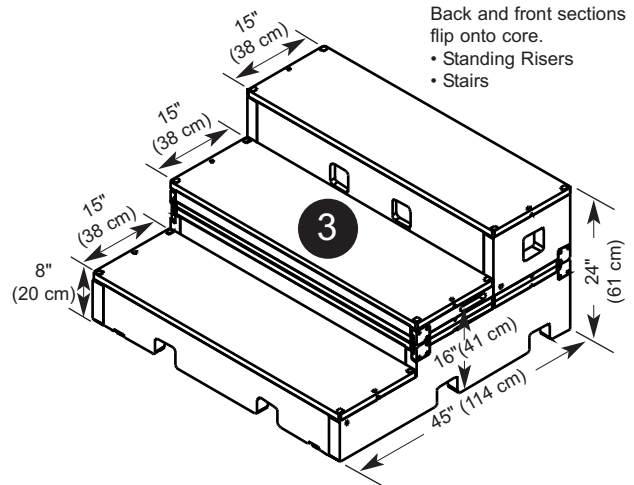
**One Tier**  
Hinged sections in flat position.  
• Elevated Platform



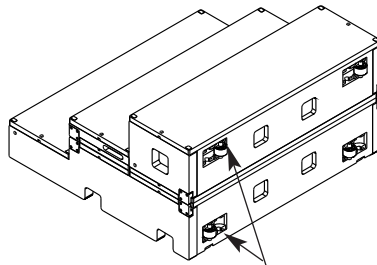
**Two Tier**  
Back hinged section flips onto core.  
• Classroom Seating



**Three Tier**  
Back and front sections flip onto core.  
• Standing Risers  
• Stairs

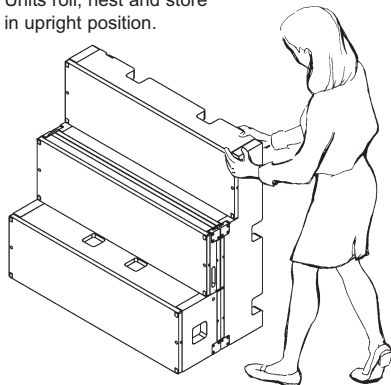


Capacity	Seating (2-step)	Standing (3-step)
Grades 1-3	8 per unit	12 per unit (Bottom step is row #1)
Grades 4-12	6 per unit	12 per unit (Floor is row #1)



Wheels and recessed handholds make it easy to transport flipFORMS.

Units roll, nest and store in upright position.



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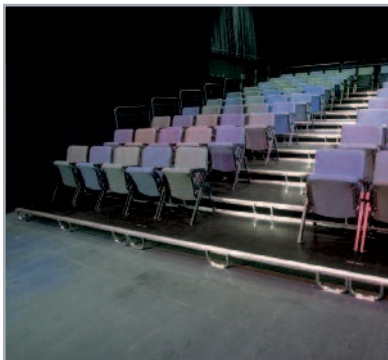
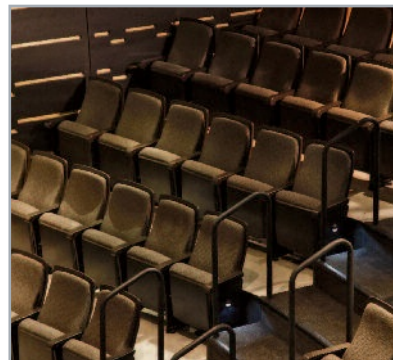
**WENGER CORPORATION**  
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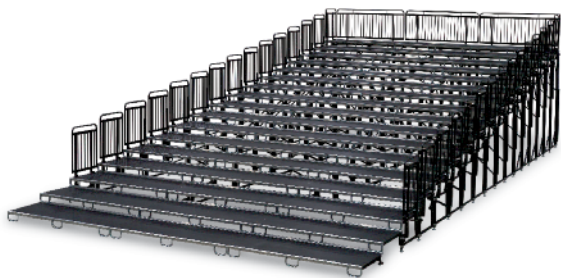
# PORTABLE AND FIXED AUDIENCE SEATING SYSTEMS



Tiered Audience  
Seating Systems

# PORTABLE AND FIXED AUDIENCE SEATING SYSTEMS

Our innovative seating system gives you big capacity with very little effort.



## UPPER DECK AUDIENCE SEATING® TIERED RISERS

With its folding frame and innovative design, the Upper Deck Audience Seating system allows you to easily change seating configurations based on the layout of the performance. Setup is quick and simple. Four people can install seating for 200 in about two hours. Strike is even easier. Simply remove the decks and rails and the frame folds flat against the wall, or it can be completely disassembled. And it is available with corner sections for better sight lines, improved traffic flow and greater seating capacity. Ideal for black box theatre or applications requiring tiered seating.

## PRODUCT DETAILS

- Simple innovative design with welded steel construction.
- Fast, easy, and safe to install and reconfigure.
- Worker-friendly assembly – minimal loose parts and no extra tools required.
- Meets all building code standards for grandstand seating, including guardrails and handrails.
- Field-repairable and easy to remove parts and components.
- Available rise (elevation change between tiers):  
4" - 24" (10cm - 61cm) in 1" (2.5cm) increments.
- Maximum deck elevation: 10' (305cm).
- Decks are also available with an optional acoustic honeycomb core.
- Two deck standard sizes: 3' x 8' (91cm x 244cm) and 4' x 8' (122cm x 244cm). Custom sizes available.
- Decks are built with integrated chair stops for another level of safety and security.
- Leveling feet on all columns adjust height up to 4" (10cm).
- Optional Move & Store Carts for decks, columns, endframes, trusses, and rails.
- Corner sections are available to create 45° and 90° angles.
- Standard or custom stairways available.
- Meets a uniform vertical load of 100 psf (488kg/m<sup>2</sup>) and side load criteria of states with seismic loading requirements.
- Available in different configurations. (Architectural specifications are available from your Wenger representative.)
- Patented design.
- Five-year warranty.



Portable Audience Chair

Premier Portable Audience Chair

High-Density Portable Audience Chair by Clarin®

## PORTABLE AUDIENCE CHAIRS

Wenger's Portable Audience chairs provide the flexibility of portable seating with the look and feel of permanent luxury seating. These portable chairs attach to one another securely in rows for added stability. Wenger Portable Chairs and Premier Portable Chairs complement our Upper Deck Audience Seating to give you a complete high-quality, flexible seating solution. Our High-Density Portable Audience Chair by Clarin is a strong, durable folding portable audience chair that you can use anywhere. The exclusive Duraflex action assures level seating on uneven surfaces – and the chair frame automatically returns to its original shape.



Fixed Audience Chair Series 100

Fixed Audience Chair Series 200

Fixed Audience Chair Series 300

## FIXED AUDIENCE SEATING

Each of our Fixed Audience Chair styles are handcrafted and ergonomically designed with lumbar support for lasting quality and superior comfort – the very hallmarks of the Wenger name. And because they come from Wenger, you know your new seating will be right on spec, right on budget, and right on time. That's a promise we first made in 1946 and continue to honor today.

Noise caused by the up-and-down movement of seats can be a major distraction during a performance. Wenger has designed seats with an extremely efficient and quiet lifting mechanism.

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## Application Information

### Upper Deck Audience Seating®

- Portable Audience Seating System comprised of columns and end frames, which come in ascending heights and are pinned together for folding. Trusses connect columns together and columns over 30" (76 cm) include integral sway braces to meet code requirements for lateral stability.
- Columns, end frames and trusses are connected together to form a support grid. Assembly of support grid requires no tools.
- Decks may be placed in position progressively during assembly of support grid or after the support grid is complete.
- Decks are positioned on support grid and interlocked together. Decks have an integral chair stop at the rear edge. There is an extruded nosing at the front edge of each deck to make elevation changes visible.
- Patented design.

### Installation Requirements

- Tiered riser system has available tier heights from 4" to 24" (10 to 61cm) in 1" (3 cm) increments.
- Maximum available deck height is 120" (304 cm).
- Each column is capable of being leveled with a powered gear drive. Tool is provided, but drill to power tool is not.

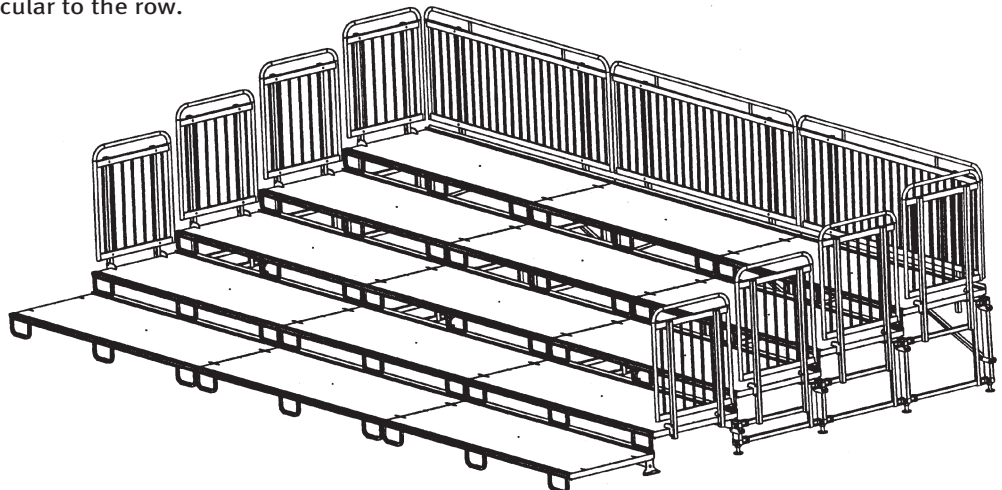
### Performance Requirements

- System supports a uniform vertical load of 100 lbs (45 kg) per square foot.
- Under uniform vertical load, deflection of decks and trusses does not exceed L/240.
- System withstands horizontal loads of 24 lbs (11 kg) per linear foot of chair row in the direction parallel to the row and 10 lbs (4.5 kg) per linear foot of chair row in the direction perpendicular to the row.

- When installed, the upper member of back rails and end rails withstands a 200 lb (91 kg) load applied in any point in any horizontal direction or vertically down.
- When back rails and end rails are installed, there is no gap between vertical members greater than 4" (10 cm) and no gap between the rail and the deck greater than 4" (10 cm).

### Decks

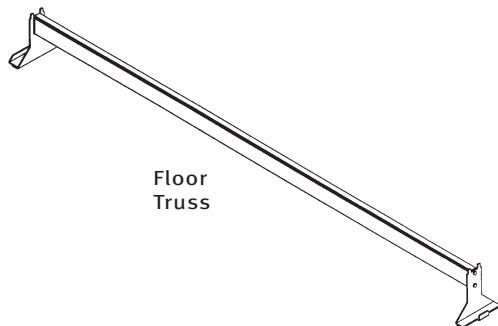
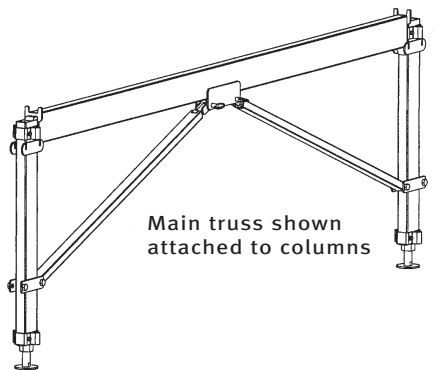
- Standard Deck: Steel frame (black baked on textured finish), aluminum nosing,  $\frac{1}{2}$ " (25.4 mm) thick, group one douglas fir plywood.
- Deck sizes: 3' x 8' (91 cm x 244 cm), 3' x 7' (91 x 213 cm), 3' x 6' (91 x 183 cm), 3' x 5' (91 x 152 cm), 3' x 4' (91 x 122 cm), 4' x 8' (122 x 244 cm), 4' x 7' (122 x 213 cm), 4' x 6' (122 x 183 cm), 4' x 5' (122 x 152 cm), 4' x 4' (122 x 122 cm).
- Deck Finishes:
  - Morrocon.
  - Quadripple.
  - $\frac{3}{8}$ " (3.175 mm) tempered hardboard outer plies with a natural, mill finish.
  - Optional honeycomb core decks available.
- Deck Edges: Aluminum extrusion (6063-T6) with radius edges.
- 3' x 8' (91 x 244 cm) with black phenolic top, non-honeycomb core unit weights 85 lbs. (39 kg).
- 4' x 8' (122 x 244 cm) with black phenolic top, non-honeycomb core unit weights 110 lbs (50 kg).
- Custom lengths and corner shape units also available. Contact your Wenger Representative.
- Sample riser layouts available contact Wenger.



## Application Information

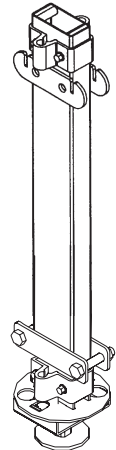
### Trusses

- Trusses have a tube design with welded steel features for connecting columns and sway braces.
- Trusses are available in the following standard lengths:
  - 8' (244 cm)
  - 7' (213 cm)
  - 6' (183 cm)
  - 5' (152 cm)
  - 4' (122 cm).
- Truss lengths to match corner shaped sections. Other non-standard lengths are available.
- Trusses have a black baked on textured paint finish.
- Floor trusses are required on riser elevations below 12" (31 cm).



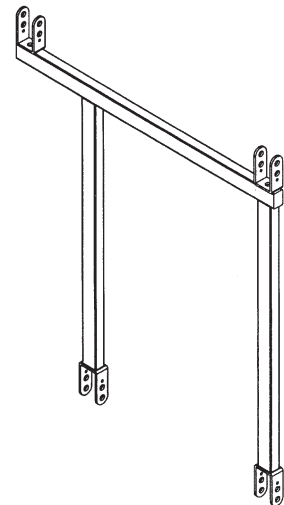
### Columns

- Columns have a welded steel assembly available in ascending heights with features for receiving trusses and pinning to end frames.
- Heights over 30" (76 cm) include welded steel sway braces with micro-adjustment and quick-release pins on lanyards.
- Column has a black baked on textured paint finish.
- Power leveling system.



### End Frames

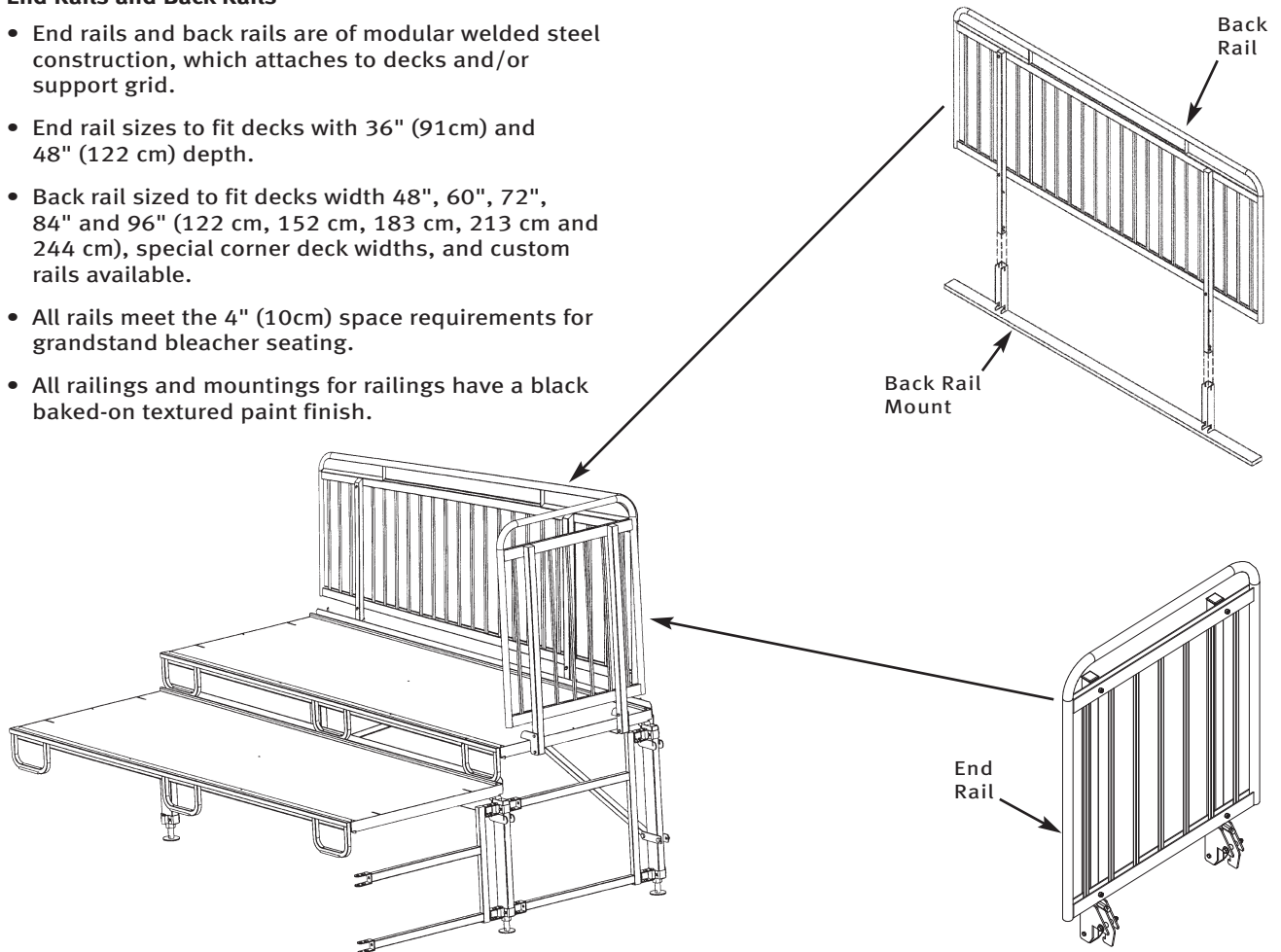
- End frames attach to support columns to create side support structure.
- End frames have a welded steel assembly available in varied heights to accommodate 4" to 24" (10 to 61 cm) in 1" (2.54 cm) increment elevation changes.
- End Frames have tapered pins, 4 per end frame section, with features for permanent or temporary attachment to end frame. (bolt fastener or plastic lanyard used).
- End frames have a black baked on textured paint finish.



## Application Information

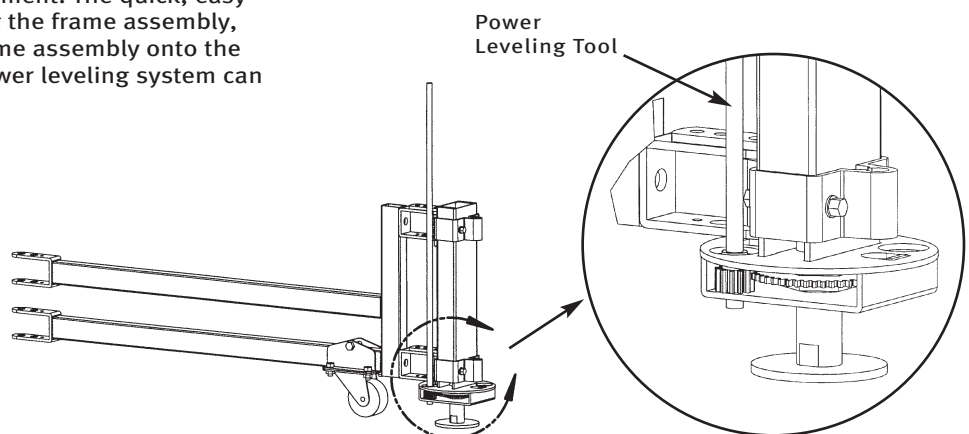
### End Rails and Back Rails

- End rails and back rails are of modular welded steel construction, which attaches to decks and/or support grid.
- End rail sizes to fit decks with 36" (91cm) and 48" (122 cm) depth.
- Back rail sized to fit decks width 48", 60", 72", 84" and 96" (122 cm, 152 cm, 183 cm, 213 cm and 244 cm), special corner deck widths, and custom rails available.
- All rails meet the 4" (10cm) space requirements for grandstand bleacher seating.
- All railings and mountings for railings have a black baked-on textured paint finish.



### Power Leveling System

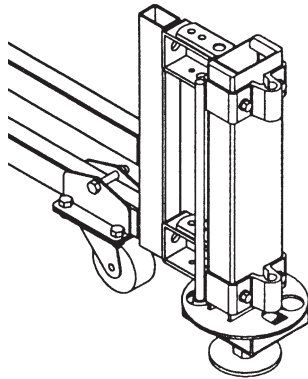
- The Power leveling System is constructed of a fabricated steel gear drive which allows for leveling with a drill mounted attachment. The quick, easy operation assist in leveling the frame assembly, as well as lowering the frame assembly onto the optional wheel system. Power leveling system can also be manually leveled.
- Power leveling assembly is constructed of steel construction and is finished with a black baked on texture.
- Power leveling system is not provided with the required power drill.



## Application Information

### Wheel System

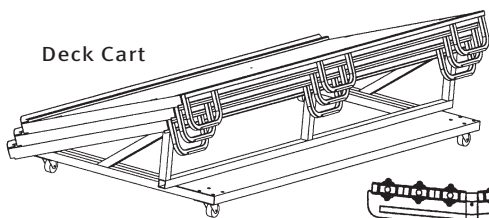
- The wheel system is constructed of a fabricated steel wheel mount with a 2<sup>1</sup>/<sub>2</sub>" (6 cm) diameter neoprene wheel. The wheel assemble is provided on each end frame and is mounted with a bolt fastener.
- The wheel system allows the entire support structure without unit rails and accessories to be relocated.
- Wheel mount has a black baked on textured paint finish.



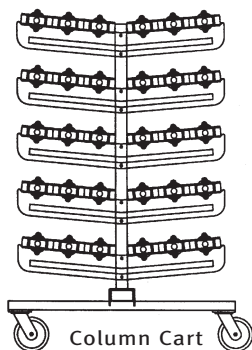
Wheel System

### Move/Store Carts

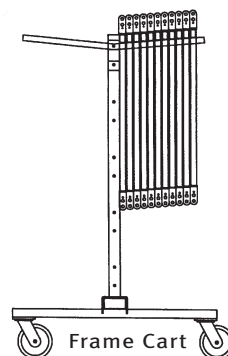
- Carts are constructed of steel tubing and formed metal components.
- Each cart has a carrying capacity of up to 1200 lbs (544 kg) of system components.
- Carts have four swivel casters with 8" (20 cm) wheels which have a 900 lbs (408 kg) capacity each
- Cart style available for columns, trusses, decks, end frames and railings.
- Carts have a black baked on finish.



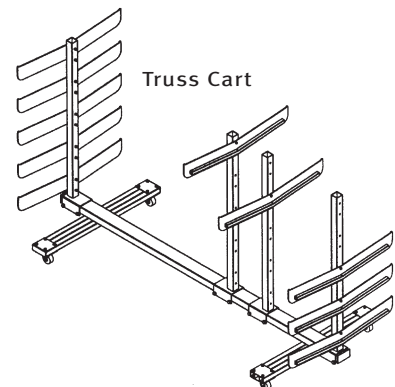
Deck Cart



Column Cart



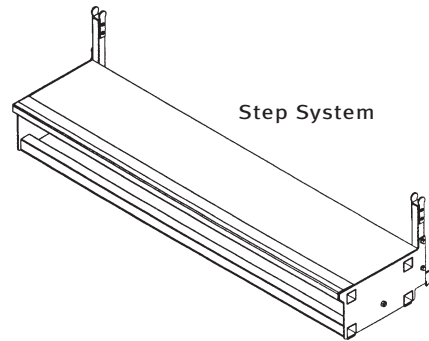
Frame Cart



Truss Cart

### Intermediate Step System

- Intermediate steps are available between platform rises.
- 11" (25 cm) step run.
- Steps constructed of wood which matches the deck platform surface and steel welded frame.
- Step edge has an aluminum protective nosing which highlights and protects the front edge of the step.
- Steps available in 36" (91 cm) or 48" (122 cm) widths.
- Step frame has a black baked on textured finish.
- Step incorporates an intricate connector which lock step to units securely.
- Multiple step stairways are available for access to tiers at heights above 14" (36 cm).
- Railing for steps are also available.

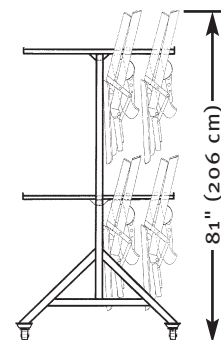
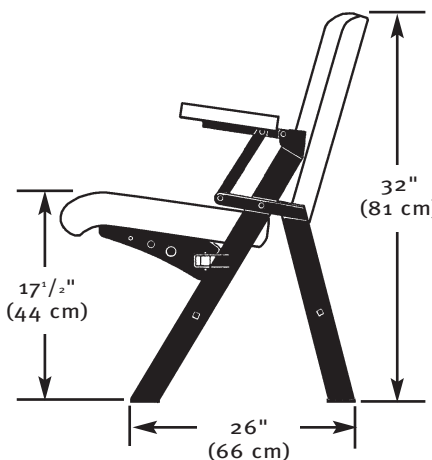
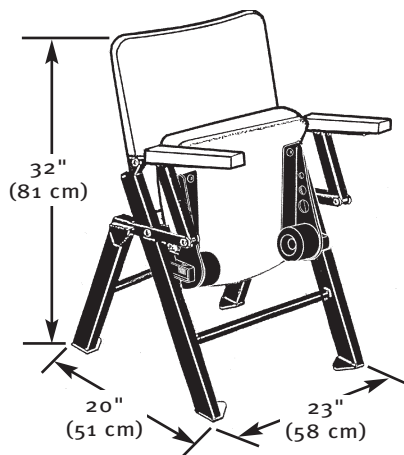


Step System

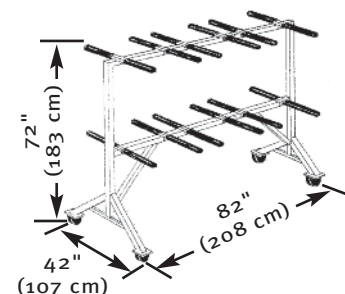
## Application Information

### Portable Audience Chair

- Freestanding, folding, audience seating chair with built-in ganging device.
- Steel chair frame is constructed with 16 gauge continuous electric welded 1" x 2" (2.54 x 5 cm) rectangular steel tube.
- Standard finish is a durable black powder coat. Custom colors available upon request.
- Chair seat is spring-loaded and returns to a folded position when not occupied.
- Standard Chair seat and back are upholstered with durable black, 100% Polypropylene fabrics (Sherpa and Shire Marquesa® Lana). Available in standard Absecon Mills, Sherpa and Shire fabrics.
- Seat cushion is 2<sup>1</sup>/<sub>2</sub>" (6 cm) thick high resiliency polyurethane foam with a 5 ply-<sup>3</sup>/<sub>8</sub>" (10 mm) molded hardwood plywood substrate.
- Back cushion is 1<sup>1</sup>/<sub>2</sub>" (4 cm) thick, high-resiliency polyurethane with a 5 ply-<sup>3</sup>/<sub>8</sub>" (10 mm) molded hardwood plywood substrate. Back cushion is shaped to provide lumbar support for long-term comfort.
- Arm rests are solid hardwood with rounded corners and a black finish.
- Overall chair height is 32" (81 cm) with a seat height of 17<sup>1</sup>/<sub>2</sub>" (44 cm).
- Standard chair widths 21" - 26" (53.4 - 66 cm) widths.
- When the seat automatically returns to the "up" position, the chair depth is 20" (51 cm).
- Weight - 35 lbs. (16 kg.)
- Chair folds for storage and transport on the accessory cart. Portable Audience Chair Storage/Transport Cart
- Cart - 0989001 (150 lbs) (68 kg) carrying capacity of up to 990 lbs (449 kg).
- Rack, move, and store up to 24 Wenger portable audience seating chairs.
- Steel construction with easy-roll casters.
- Overall cart dimensions: 72" high x 82" wide x 42" deep (183 x 208 x 107 cm).
- Overall cart dimensions with stored chairs: 81" high x 82" wide x 42" deep (206 x 208 x 107 cm).
- The Premier Audience Chair features finished hardwood on the chair back, bottom and arm rests and is available in three finish options.



Available in widths of  
21" - 26" (53 - 66 cm)



## Application Information

### Fixed Audience Seating

Audiences can be noisy enough without seats adding to the distraction. New fixed audience seating from Wenger has been designed with an extremely efficient and quiet lifting mechanism that eliminates noise to maximize quiet throughout the performance.

True to the Wenger tradition, all three styles are handcrafted and ergonomically designed to provide superior comfort and an attractive appearance for years and years.

Because they come from Wenger, you know your new seating will be right on spec, right on budget, and right on time.

### Performance Requirements

- Rounded waterfall front promotes better leg circulation and encourages a natural lumbar curve to help maintain comfort throughout the performance
- High-quality upholstery and stitching with fewer seams provide the ultimate in durability and comfort
- Proprietary spring plus damper driven lifting mechanism for extremely quiet operation
- Perforated seat bottoms help with sound absorption in the performance space when the seats are not in use (non-perforated seats are available as well)
- Premium seat pedestal base engineered to allow proper airflow for floor level HVAC (Series 300)

### Construction

- High-end pressed wood seat bottoms, backs, and end panels for durability and aesthetics
- Wood arm rests with smooth finishes for lasting good looks and allperformance comfort
- Automatic self-rise, three-quarter fold seat for easier access and exit
- Widths from 19" (48.2 cm) through 23" (58.4 cm)
- A wide range of stain-resistant upholstery fabrics and patterns
- A wide variety of premium quality veneers and stain finishes
- ADA compliant
- Accessories include aisle lighting; seat and aisle number plates; donor plates; individual seats for Special Needs companion seating, equipped with a wheel bracket for easy placement and simple release pedal to engage/disengage wheels



**Series 100**

The most economical solution for Fixed Audience Seating that combines lasting comfort with attractive styling



**Series 200**

Handcrafted seats with fine wood finishes and premium fabrics



**Series 300**

Handcrafted with fine wood finishes and premium fabrics like the Series 200 but includes a pedestal base for HVAC installations



# MAKEUP STATIONS



Makeup Stations

**Wenger®**  
Your Performance Partner

# MAKEUP STATIONS

The ideal environment for makeup application.



## STUDIO® MAKEUP STATION

Wenger Studio Makeup Stations have got it all. Light columns for clean shadow-free illumination; a large mirror for a full, unobstructed view of head and shoulders; steel-laminated construction that keeps the mirror from curving or splintering; plenty of counter space with a curved stain-resistant countertop that allows for leaning into the mirror; a molded-in pencil tray; tackboard available for notes and instructions; and an overhead shelf that reflects untainted light and provides plenty of storage space. And Wenger Makeup Stations are ready to install. They mount quickly and easily into wall studs or masonry at any height so they can be hung and hard-wired to the room's electrical system.

## PRODUCT DETAILS

- Available in 36" (91cm) or 30" (76cm) widths.
- Wall mounting bracket has multiple holes for alignment with wall frame studs. Also mounts to masonry walls.
- Makeup stations can be installed at any height. Recommended height for counter is 29" (74cm) from the floor.
- Designed for 60 watt incandescent or 15 watt swirl fluorescents. GE Reveal® bulbs or full-spectrum fluorescents are recommended for additional clarity and accurate reflection of skin tones and makeup colors (*bulbs not included*).
- $\frac{3}{16}$ " (.6cm) diameter steel wire light bulb cages, permanently mounted.
- UL®-Approved and meets NEC (National Electric Code) requirements.
- Counter is 1" thick, 36" or 30" wide, 20" deep (2.5cm, 91cm, 76cm, 51cm) medium density fiberboard with stain resistant, matte white laminate overlay. Rated for 300 lbs. (136kg).
- Counter has a concave shape with the center front edge just 15" (38cm) from the mirror.
- Five-year warranty.



## BACKSTAGE® MAKEUP STATION

Wenger's Portable Backstage Makeup Station turns any room into a dressing room, even if it's a utility closet backstage. Weighing in at only 35 lbs., the Backstage Makeup Station uses six 60-watt incandescent bulbs, or 15-watt full spectrum fluorescents, to create even, shadow-free light. The large head-and-shoulders mirror provides plenty of room to work and an auxiliary power outlet is built-in. A convenient carrying handle makes it easy to move from place to place. And multiple stations nest together for compact storage.

## PRODUCT DETAILS

- Weighs 35 lbs. (16kg) and can be carried by one person. Steel frame doubles as carrying handle.
- 33" wide, 33 $\frac{1}{4}$ " high, 9 $\frac{3}{8}$ " deep (84cm, 85cm, 24cm) makeup station is well balanced and sets anywhere.
- Each 33" wide (84cm) unit requires an incremental 6 $\frac{1}{2}$ " (16.5cm) of floor or shelf space for storage.
- Designed for 60 watt incandescent or 15 watt swirl fluorescents. GE Reveal® bulbs or full-spectrum fluorescents are recommended for additional clarity and accurate reflection of skin tones and makeup colors (*bulbs not included*).
- $\frac{3}{16}$ " (5mm) diameter steel wire light bulb cages, permanently mounted.
- 20 $\frac{3}{4}$ " wide x 22 $\frac{3}{4}$ " high (53cm x 58cm) mirror laminated to a steel backer. Steel frame and unique aluminum light housing surround the mirror.
- Single outlet and rocker switch combination with built-in GFCI protection.
- 10' (3m) 12-gauge, 3-wire cord plugs into a standard 110 outlet.
- A rocker switch and single grounded outlet are mounted on the lower right side of the mirror surround. Switch controls lights only, allowing appliances to operate with lights off.
- UL®-Approved and meets NEC (National Electric Code) requirements.
- Optional dust cover available.
- Five-year warranty.

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## Application Information

### 30" and 36" (76 and 91 cm) Studio® Makeup Stations

Wenger Studio Makeup Stations will provide performers with a correct and convenient environment for applying makeup and creating other visual effects.

The Studio Makeup Station components include a generous counter, a large mirror, a reflective storage shelf, untainted lighting and electrical outlets. A tackboard is available on the 36" (76 cm) model.

The Studio Makeup Stations are designed to be permanently attached to a wall and hard-wired.

#### The Counter

- Construction: Medium density fiberboard core and laminate overlay with a stain resistant surface and a matte white finish for light diffusion.
- Features: Rounded upper edges, integral pencil tray with a concave shape for mirror access. 15" (38 cm) from counter edge to mirror surface.
- Size:
  - 36" models - 36" wide x 20" deep (91 x 51 cm)
  - 30" models 30" wide x 20" deep (76 x 51 cm).
- Work surface is recommended to be 29" (74 cm) from the floor, but can be positioned at any height.

#### The Mirror

- Construction: High quality glass and silvering laminated to a steel backer to prevent separation of shards if broken.
- Size:
  - 36" models - 28" (71 cm) square
  - 30" models - 22" wide x 28" high (56 x 71 cm).

#### The Mirror Surround

- Construction: Extruded aluminum and sheet steel. Powder-coat paint with a matte white finish for light diffusion.

#### The Storage Shelf

- Purpose: to provide uniform light reflection on the performer's face. Provides easy access for accessory storage.
- Construction: Medium density fiberboard core and laminate overlay with an easy to clean surface and a matte white finish for light diffusion.
- Size:
  - 36" models - 36" wide x 12" deep (91 x 31 cm)
  - 30" models - 30" wide x 12" deep (76 x 31 cm).
- Storage surface is 69" (175 cm) from floor, if hung at the recommended height.

#### The Lighting

- 36" models - 9 medium base sockets provided for 60W incandescents or 15W swirl fluorescents.
- 30" models - 8 medium base sockets provided for 40-60W incandescents or 10-15W swirl fluorescents.
- Bulbs are protected by wire cages made from  $\frac{3}{16}$ " (5 mm) diameter steel wire. Cages are permanently mounted and designed for easy bulb replacement (bulbs not included).

#### The Electrics

- A rocker type switch is mounted on the lower left side of the mirror surround. It controls the lights only.
- A 20 amp rated duplex outlet with built in GFCI protection is mounted on the lower right side of the mirror surround.
- 24" (61 cm) off flexible conduit and conductors exit the unit beneath the counter, next to the wall.

**NOTE:** Separate black conductors are provided for lights and outlet to allow circuit design according to anticipated use and local codes.

- Entire product is UL (underwriter laboratory) approved.

#### The Tackboard (36" models only)

- Construction: White tackable surface mounted in a matte white frame.
- Shipped unmounted. May be attached to top, bottom, or side of the mirror.
- Size: 6" wide x 28" long (15 x 71 cm).

#### The Options

- 36" model is available with either under-counter storage cage or lockable sliding drawer. Space allows for only one storage option per Studio Makeup Station.

#### Installation

- Wall mounting brackets are included for easy attachment to permanent walls.
- Wall mounting brackets incorporate leveling and adjustment feature to aid alignment for multi-unit installation.
- When multiple units are installed, adjacent units share a vertical column of bulbs.

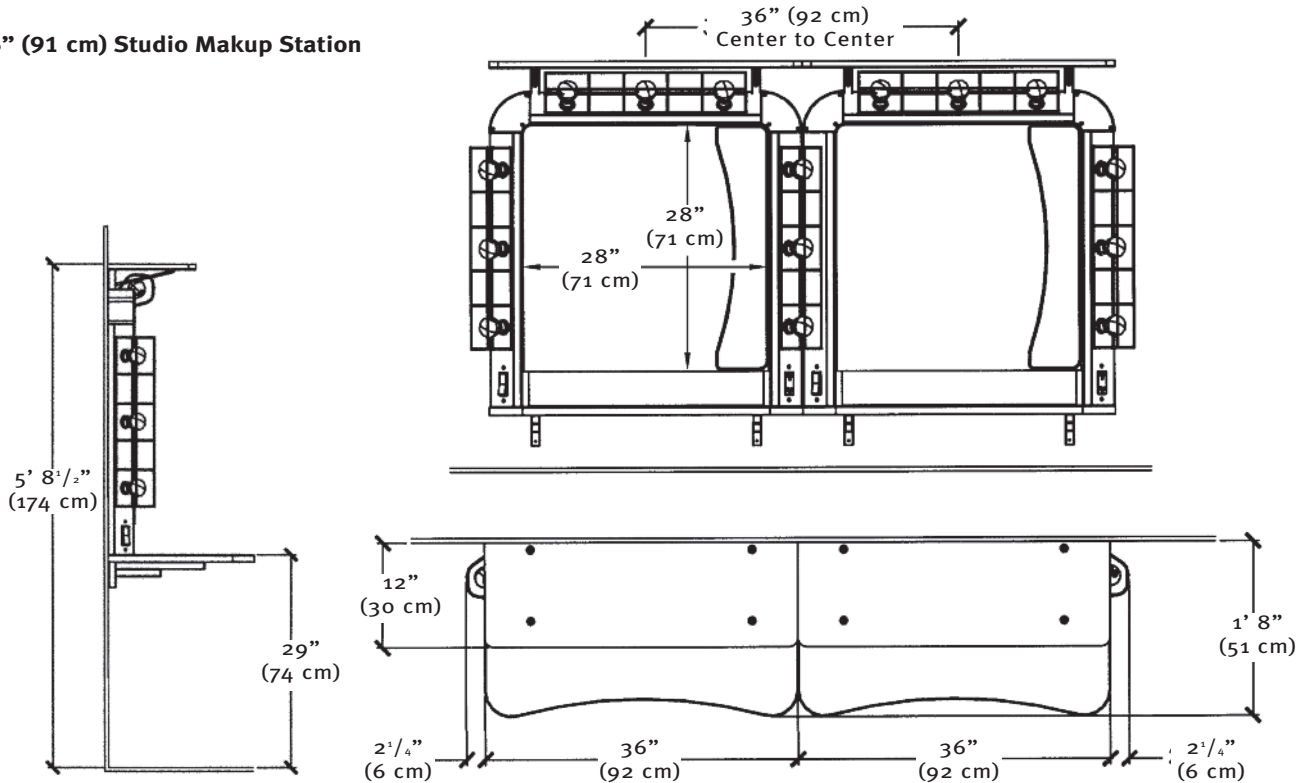
#### Physical Dimensions:

- 36" models
  - Overall width:  $40\frac{3}{8}$ " (103 cm) (bulb cage-to-bulb cage)
  - Overall height: 44" (112 cm)
  - Overall depth: 20" (51 cm)
  - Multi-unit spacing: 36" (91 cm) center-to-center
  - Weight: 75 lbs. (34 kg).
- 30" models
  - Overall width:  $34\frac{1}{2}$ " (88 cm) (bulb cage-to-bulb cage)
  - Overall height: 44" (112 cm)
  - Overall depth: 20" (51 cm)
  - Multi-unit spacing: 30" (76 cm) center-to-center
  - Weight: 65 lbs. (29.5 kg).

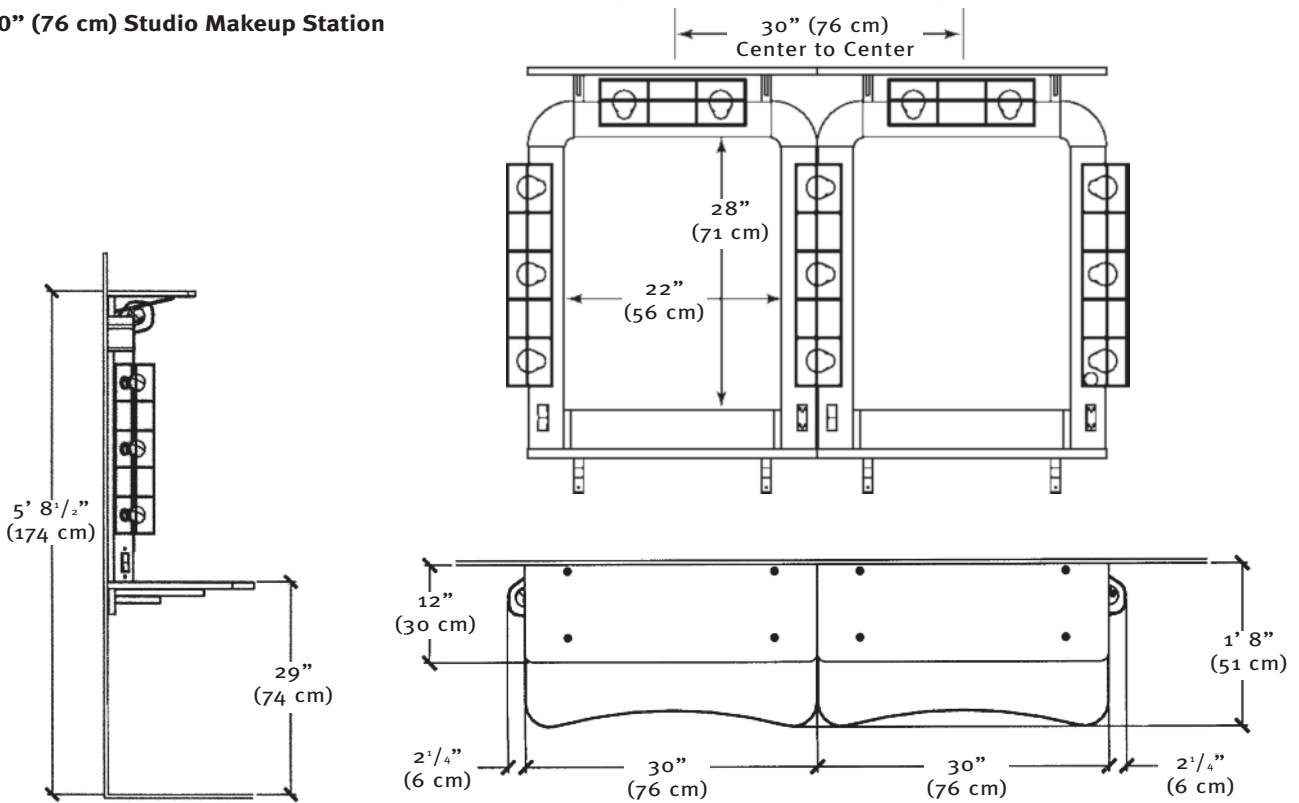
# MAKEUP STATIONS

## Application Information

**36" (91 cm) Studio Makeup Station**



**30" (76 cm) Studio Makeup Station**



# Backstage® Makeup Station

The Backstage Makeup Station will provide performers with a correct and convenient tabletop environment for applying makeup and creating other visual effects. The Backstage Makeup Station includes a large mirror, shadow-free lighting, an electrical outlet, a carry handle, and a grounded power cord.

- 187A011 Backstage Makeup Station with 6 lights and white accent panels.

## The Mirror

- Construction: High quality glass and silvering laminated to a steel backer to prevent separation of shards if broken.
- Size: 20<sup>3</sup>/<sub>4</sub>" wide x 22<sup>3</sup>/<sub>4</sub>" high (53 x 58 cm).

## The Mirror Surround

- Construction: Extruded matte white aluminum with white accents. Rugged powder-coat paint finish. Base is shaped for compact storage front-to-back.
- Handle on top for transporting is part of mirror surround.

## The Lighting

- 6 medium base sockets provided for 60W incandescents or 15W swirl fluorescents. Bulbs are protected by wire cages made from <sup>3</sup>/<sub>16</sub>" (5 mm) diameter steel wire. Cages are permanently mounted, but allow easy bulb replacement (bulbs not included).

## The Electrics

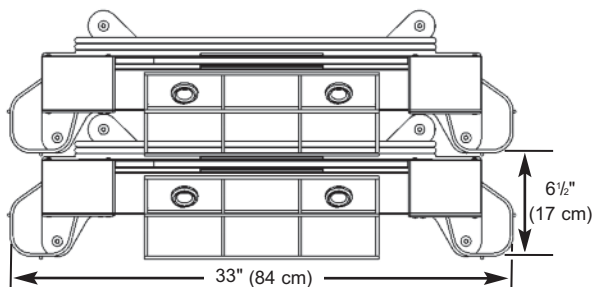
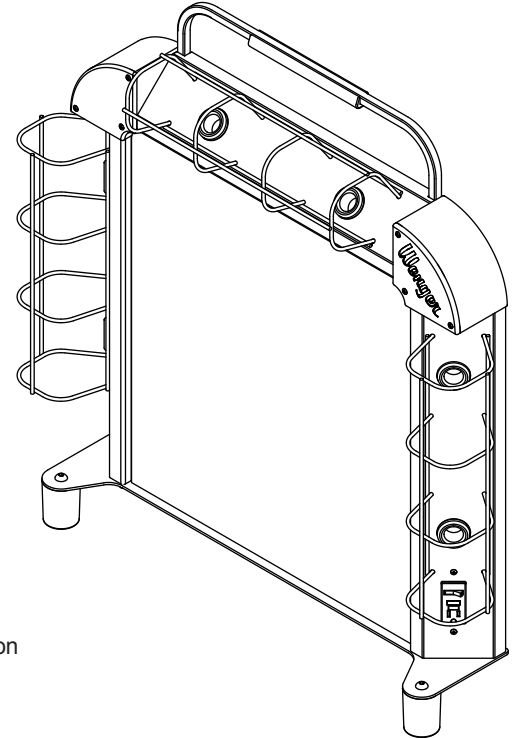
- A rocker switch and grounded outlet are mounted on the lower right side of the mirror surround.
- Switch controls lights only.
- Attached power cord is 10' (3 m) long and stores itself.
- UL® listed. Meets NEC (National Electric Code) requirements.

## The Options

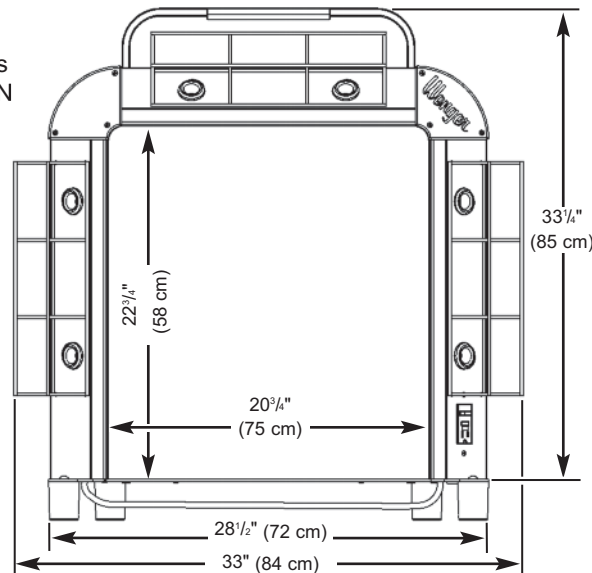
- 187A021 Lightweight canvas padded Dust Cover protects the Backstage Makeup Station from damage and collection of dust.

## Physical Dimensions

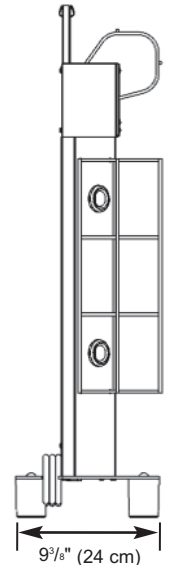
- Overall Width: 33" (84 cm) (bulb cage-to-bulb cage).
  - Overall Height: 33<sup>1</sup>/<sub>4</sub>" (85 cm).
  - Overall Depth: 9<sup>3</sup>/<sub>8</sub>" (24 cm).
  - Storage Depth: 9<sup>3</sup>/<sub>8</sub>" (24 cm) first unit, 6<sup>1</sup>/<sub>2</sub>" (17 cm) each additional unit.
  - Weight: 35 lbs (16 kg).
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.



Nested View



Front View



Side View

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
Owatonna, MN 55060-0448  
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Customer Service 800.887.7145

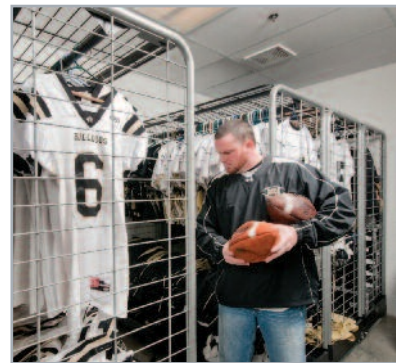
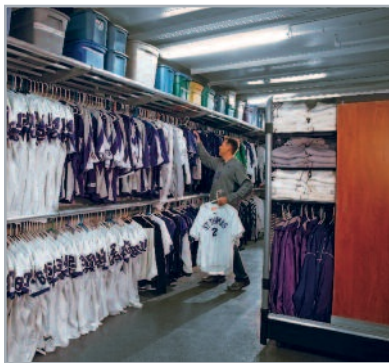
**WENGER CORPORATION**  
**CANADIAN REPRESENTATIVE OFFICE**  
Phone 800.268.0148

**WORLDWIDE**  
Phone 507.455.4100  
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**WEB SITE**  
[wengercorp.com](http://wengercorp.com)



# ATHLETIC EQUIPMENT STORAGE



Athletic Equipment Storage

# ATHLETIC EQUIPMENT STORAGE

GearBoss is an equipment storage and transportation solution designed to transform your equipment room into a point of pride. GearBoss is a high-density storage solution that uses an innovative system of tracks and rolling carts and accessories to reduce the square footage of your storage area by at least half. GearBoss units are designed to encourage airflow and improve sanitation and odor issues. The modular system features accessories specific for the needs of bulky equipment like helmets and shoulder pads. Accessories like panels and doors can be added for security, and in matching school colors they present an unmistakable message of program pride.



## GEARBOSS® SHELIVING

This is the affordable, flexible, durable solution for shelving storage and workspace needs. The cantilever design optimizes overhead space and keeps the floor free from supports for extra room. The system is so versatile it can be configured to your specific needs to make sure you get the maximum storage space.



## CUSTOMIZABLE WOOD LOCKERS

Coaches will love how these lockers make it easy to apply your school colors and logo. Equipment managers will love how the open design promotes continuous airflow and easy cleaning to keep the entire team room in tip-top shape.



## AIRPRO™ LOCKERS

GearBoss AirPro lockers give your team rooms the ultimate in ventilation, sanitation and space usage. They create team rooms that stand apart with a durable grid design and multiple color options. They mount off the floor for thorough cleaning and a sanitary team room. Integrated seats remove the need for space-consuming benches. AirPro lockers offer a level of functionality and aesthetics that simply can't be matched by press-metal lockers.



## GEARBOSS® HIGH-DENSITY STORAGE

GearBoss high-density storage carts create more room in less space – improving space efficiency by as much as 50% – by using an innovative system of tracks and rolling carts. X-Carts™ are designed to move laterally on the track and stay in your equipment room. Team Carts™ are portable and engineered with retractable track guides so you can move the equipment around the room or off campus. Every cart can be reconfigured for maximum storage. Bottom line – you'll get a flexible sports storage system engineered to meet every challenge.



## GEARBOSS® II HIGH-DENSITY STORAGE SYSTEM

You will gain more control over the time and money lost to poor organization, lax security and misplaced inventory. This storage system is simply a better way to care for your equipment investments.

**WENGER CORPORATION**  
555 Park Drive, PO Box 448  
Owatonna, MN 55060-0448  
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Fax 507.455.4258  
Parts & Service 800.887.7145

**WENGER CORPORATION**  
CANADA REPRESENTATIVE OFFICE  
Phone 800.268.0148

**WORLDWIDE**  
Phone 1.507.455.4100  
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**WEB SITE**  
wengercorp.com





## Overview

GearBoss® by Wenger is a complete, state-of-the-art system designed to help with all aspects of your athletic program. From lockers, to storage, to equipment transport and fund-raising solutions, GearBoss products save you time, space, and effort. They're flexible and customizable so your system can change as your needs change. Plus, we'll work with you every step of the way to make sure you get exactly the right system—nothing more, nothing less.

### **GearBoss innovations are driven by these key principles:**

*Mobility* – Haul equipment and apparel wherever you need it, without hassle.

*Flexibility* – Storage systems and custom lockers that adapt to your changing needs.

*Organization* – Keep track of your equipment and apparel easily with storage and locker rooms that get in order and stay in order.

*Sanitation* – Superior ventilation and anti-microbial surfaces help equipment stay clean, dry and germ-free.

*Space* – High-Density storage and room design services for maximizing every inch of space.

*Security* – Lockable doors and side panels keep apparel and equipment safe and secure.

*Pride* – Equipment and locker rooms that set you apart and reflect your team spirit.

### **Featured Components Include:**

#### **Team Lockers**

- Customizable Wood Lockers
- AirPro™ Lockers

#### **UltraStor™ Custom Casework**

- Day Lockers
- Pass-Through Cubbies
- Uniform and Coach's Storage

#### **GearBoss® High-Density Storage**

- X-Cart™
- Team Cart™
- SportCart™

#### **GearBoss® II High-Density Storage**

#### **GearBoss® Shelving**

#### **Mobile Specialties**

- TranSport™ Cart
- Mobile Kiosk

## Application Information

### Customizable Wood Lockers

The GearBoss Wood Locker design is everything you need to make a statement to every player and every recruit. Coaches will love how these lockers make it easy to apply your school colors and logo. Equipment managers will love how the open design promotes continuous airflow and easy cleaning to keep the entire team room in tip-top shape.

Wenger will work closely with you to make sure your new GearBoss team room lockers fulfill your vision.

#### PERFORMANCE REQUIREMENTS

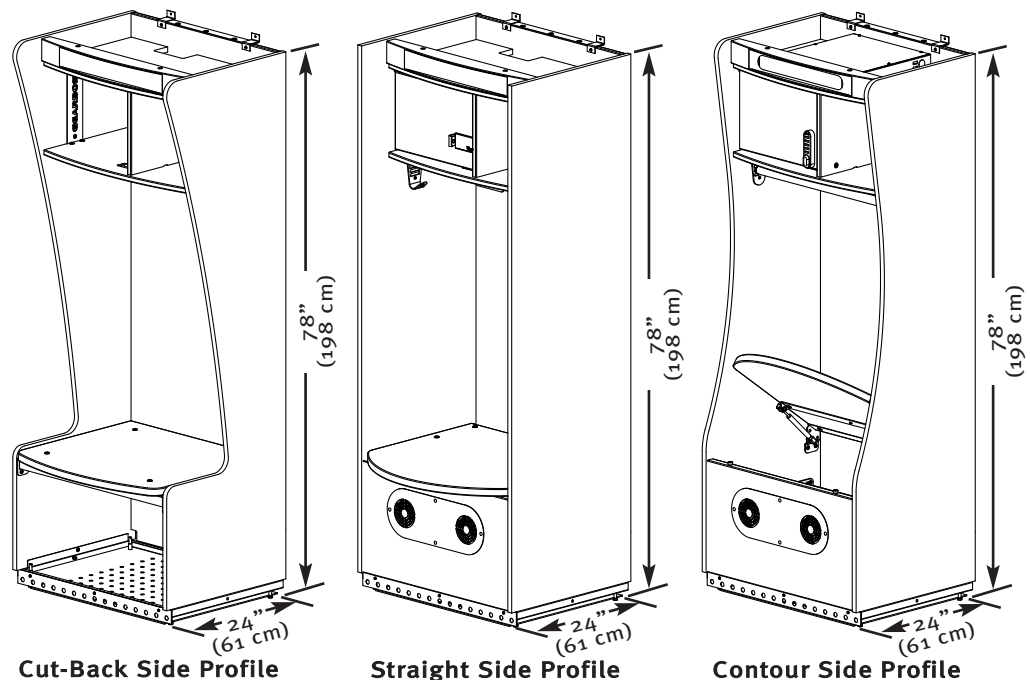
- Engineered with features that outperform and outlast wood veneers and cabinet-type construction.
- Modularity means you can make unlikely replacements without breaking glues, dowels, or adjacent components.
- Integrated bench seating eliminates the need for floor-mounted benches or folding chairs, saving valuable floor space.
- Open design promotes airflow to encourage drying and reduce mildew and odor buildup and can be enhanced with optional fans.

#### CONSTRUCTION

- Highly durable  $\frac{3}{4}$ " (1.64 cm) thermofused composite wood core built to survive repeated rugged use in hardcore environments.
- $\frac{5}{8}$ " laminated wood shelf and hinged seat.
- Closed-cell structure poly-laminate surfaces are easier to clean and more durable than wood veneer.
- Antimicrobial laminates use nano-silver technology that lasts the life of the product and creates a hostile, lethal surface for bacteria, viruses, mold, and mildew.
- Heavy-duty PVC edge banding maintains the integrity of the laminate surface and prevents chipping and separation.
- Long-lasting bolt-through construction on connections, hooks, and doors.
- Widths available in 2" (5 cm) increments from 18" (46cm) to 36" (91cm).
- Three available side shape configurations: contour, cutback, and straight.
- Top cubby storage, open and/or with cubby door.
- Through bolting to connect side-by-side units allows easy removal of a single locker.
- Steel base mounting fixture provides natural ventilation and height adjustment to compensate for uneven floors.
- Available in five core substrates to meet your specific needs:  
fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ten-year warranty.
- ADA-compliance.

#### OPTIONS

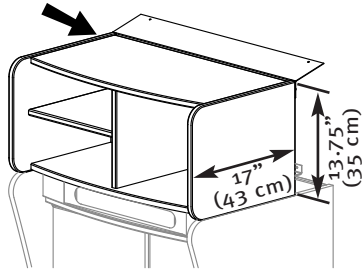
- More than one thousand ultimate configurations and the ability to coordinate the entire system to your school's colors and branding.



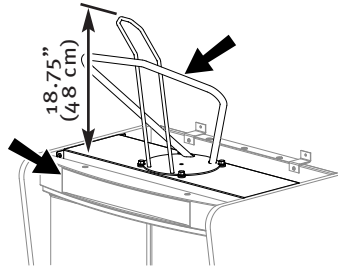
# ATHLETIC EQUIPMENT STORAGE

## Application Information

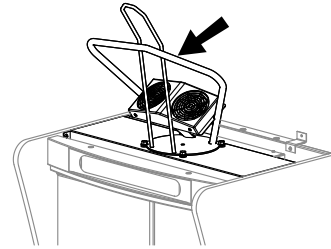
### A SAMPLE OF AVAILABLE OPTIONS



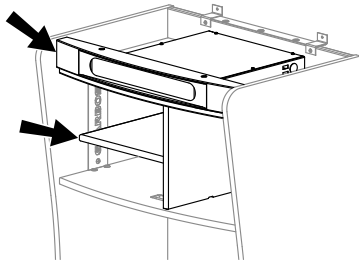
**Storage Attic**



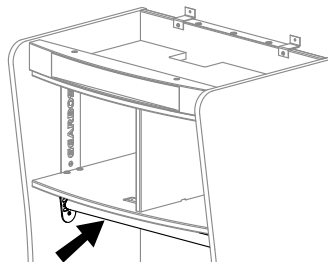
**Helmet and Shoulder Pad Holder without Fans and Standard Marquee**



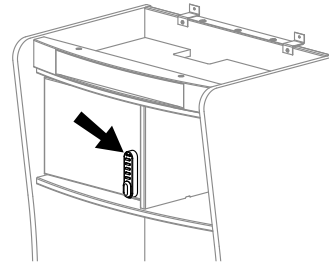
**Helmet and Shoulder Pad Holder with Fans**



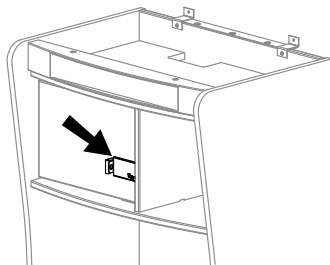
**Lighted Marquee and Shelf in Cubby**



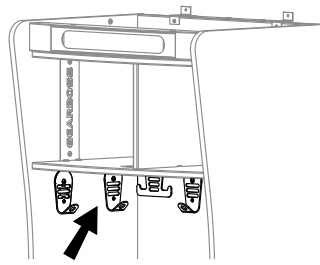
**Garment Bar**



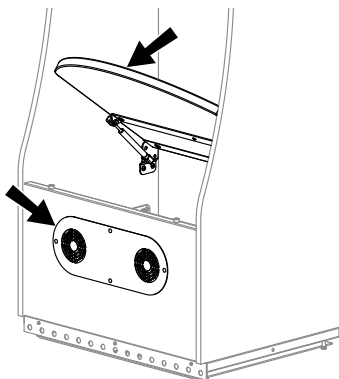
**Programmable Digital Lock**



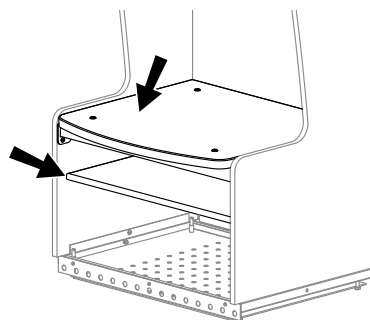
**Slide Lock (for use with padlock)**



**Garment Hooks (number and placement of hooks is variable)**



**Hinged Seat and Enclosed Foot Locker with Fans**



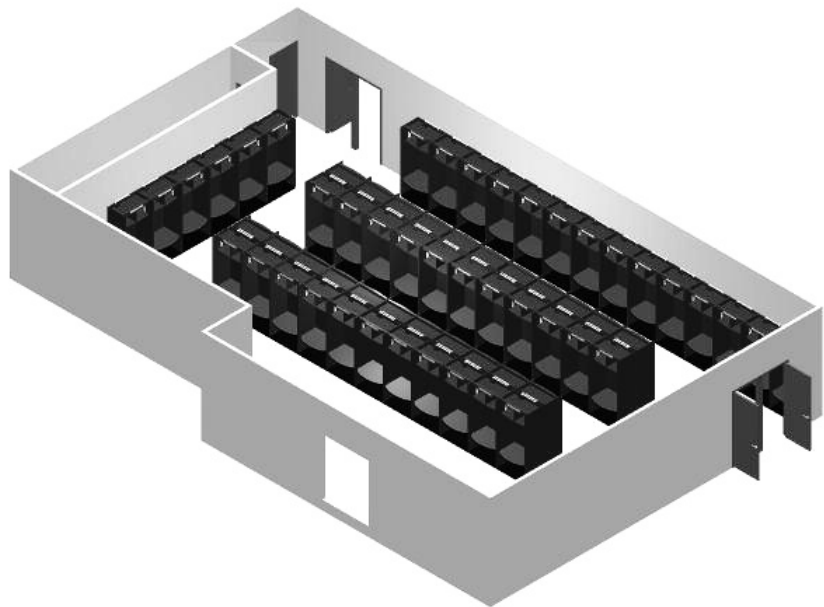
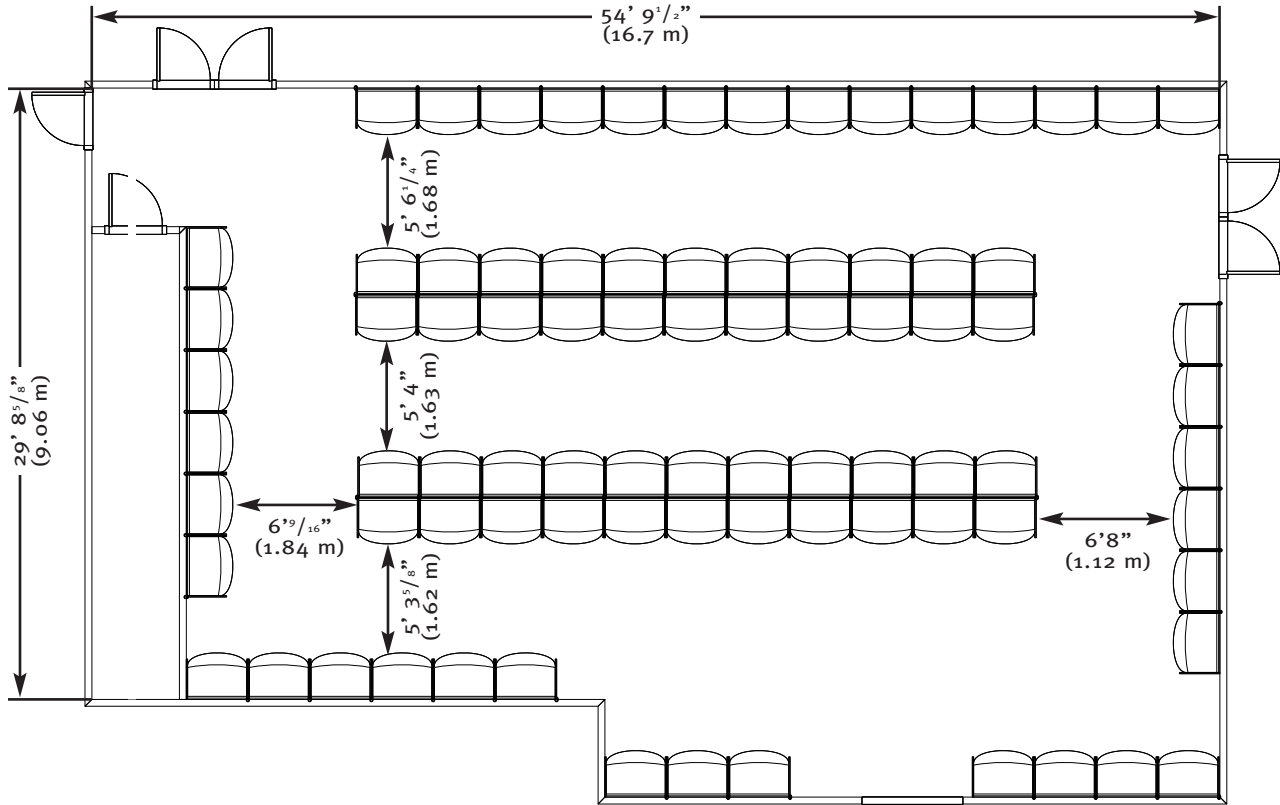
**Fixed Seat and Open Foot Locker with Shelf**

# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### Customizable Wood Locker - Sample Configuration

Example of 83 Wood Locker Configuration (36" wide Wood Lockers shown)



## Application Information

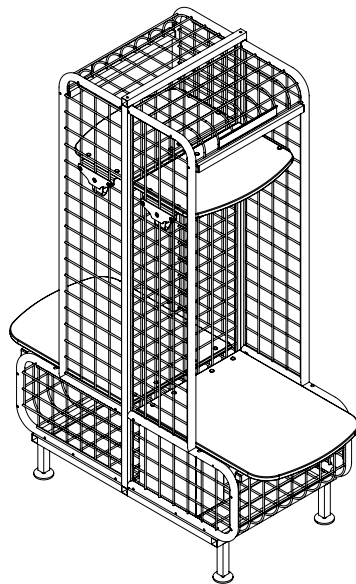
### AirPro™ Lockers

GearBoss AirPro Lockers give your team rooms the ultimate in ventilation, sanitation and space usage. They create team rooms that stand apart with a durable grid design and multiple color options. They mount off the floor to allow thorough cleaning and a sanitary team room. Integrated seats remove the need for space-consuming benches. AirPro Lockers offer a level of functionality and aesthetics that simply can't be matched by press-metal lockers.

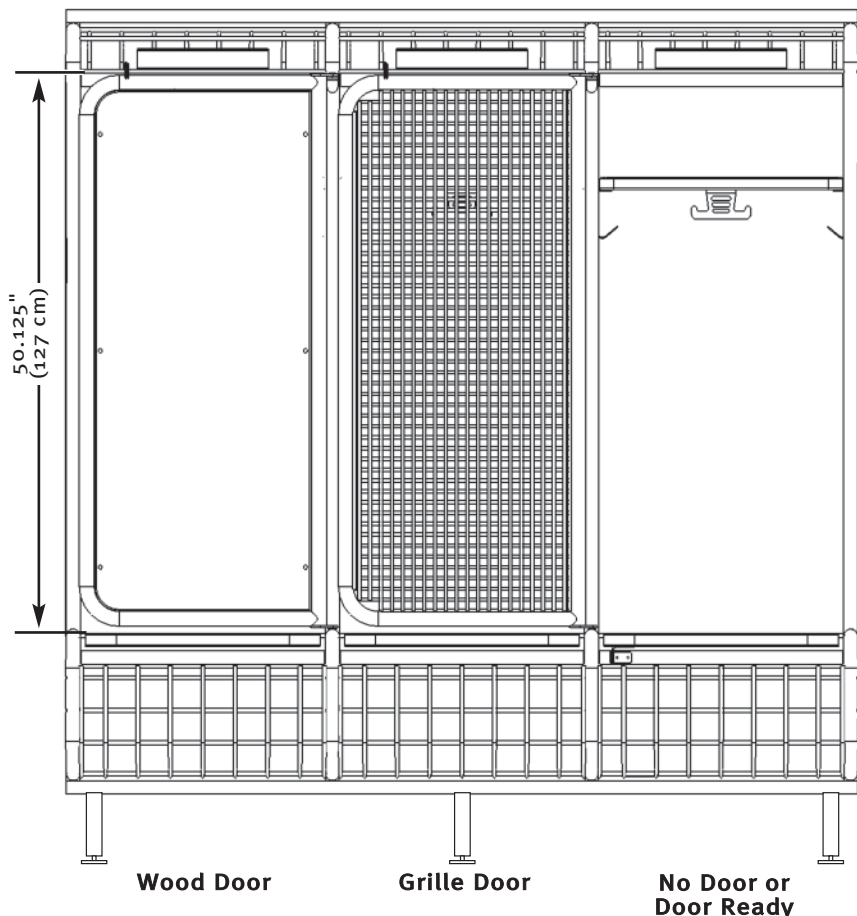
#### PERFORMANCE REQUIREMENTS

- Highly durable and easily adaptable to reflect your school's athletic traditions.
- Open grid design promotes continuous airflow to encourage faster drying and keep contents free of mildew and odor buildup.
- Open design permits easy visual inspection of contents.
- Shelf height can be varied specific to your installation with three garment hooks mounted under the shelf.
- When locker is attached directly to the wall. The wall becomes the back of the locker.
- Each locker includes an integrated bench seat, eliminating the need for floor mounted benches or folding chairs saving valuable floor space.
- Hinged seating opens to a sizeable storage compartment beneath each locker.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.

**Note:** Width dimensions are calculated from the center of each side tube, as a result 1¼" (3 cm) needs to be added to the required installation space for every run of lockers. Wall space must accommodate an extra 6" (15 cm) in addition to the width of lockers to allow room for installation.



Island Mount Configuration



## Application Information

### CONSTRUCTION

- Resistant-welded heavy-duty  $\frac{1}{4}$ " (6.4 mm) steel wire grille sides, top, and foot locker basket with standard 3" x 3" (8 x 8 cm) wire grid pattern.
- Upright support tubes constructed from heavy-duty 1" (2.5 cm) diameter 16-gauge steel tubing.
- Four available widths: 15" (38 cm), 18" (46 cm), 24" (61 cm), 30" (76 cm).
- Mounts securely on wall 5" to 7" (13 to 18 cm) above the floor to further enhance ventilation and allow easy sweeping, mopping, and sanitation under each locker.
- Also available in island configurations that securely mount to the floor on heavy-duty legs.
- Closed-cell structure poly-laminate surfaces are easier to clean and more durable than wood veneer.
- Adjustable shelf and hinged seat is  $\frac{3}{4}$ " (19 mm) thick industrial grade composite wood with polyester laminate finish.
- Durable powder-coat paint.
- Four available configurations:
  - lockable resistant-welded heavy-duty  $\frac{1}{4}$ " (6.4 mm) steel wire grille door with 1" x 1" (2.5 x 2.5 cm) wire grid pattern coordinated to your school color,
  - lockable solid  $\frac{5}{8}$ " (1.5 cm) laminated wood door with heavy duty PVC edge banding,
  - open without door (with lockable seat),
  - door ready.

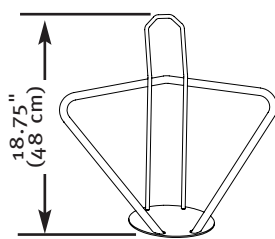
A hasp located at the top of the door ready to receive a padlock (not supplied).

Lockers with No Door or Door Ready options have a hinged seat with a hasp ready to receive a padlock (not supplied).

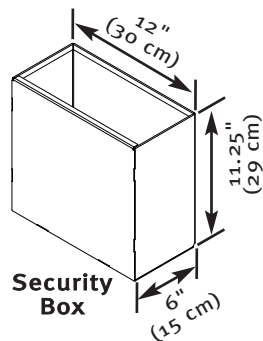
- Support legs spaced every 48" (122 cm) and at the end of each run.
- Adjoining lockers share a common side panel.
- Ten-year warranty.
- ADA-compliance.

### OPTIONS

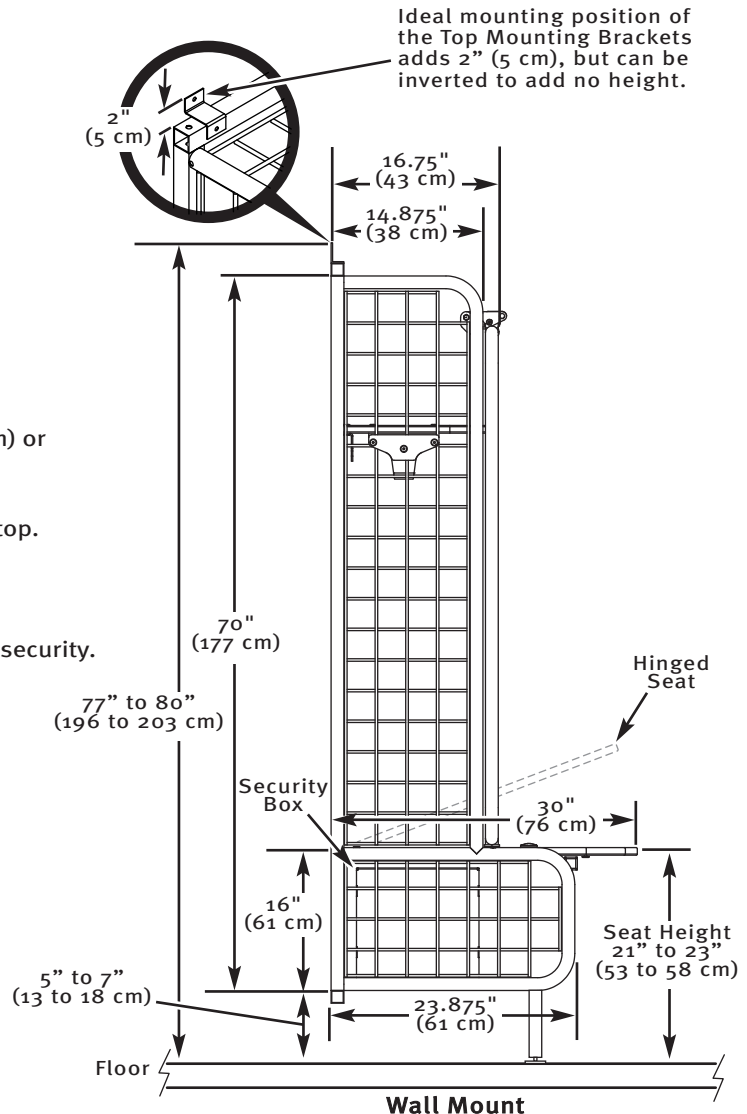
- No door, grille door, laminated wood door or door ready.
- Available in 15" (38 cm), 18" (46 cm), 24" (61 cm) or 30" (76 cm) widths.
- Wall or island mount.
- Security box in foot locker, five-sided with open top.
- Helmet/shoulder pad topper.
- Does not fit on 15" (38 cm) lockers.
- $\frac{5}{8}$ " (16 mm) thick laminate back panel.
- 1 $\frac{1}{2}$ " x 3" (4 x 8 cm) wire grid pattern for greater security.
- Wide range of color options for wire mesh and laminate to coordinate with school colors.



**Football  
Shoulder Pad  
and Helmet  
Topper**



**Security  
Box**

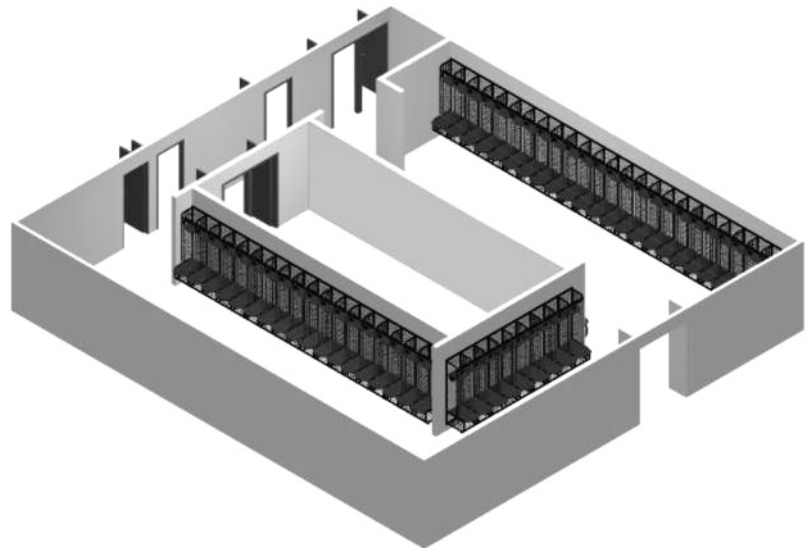
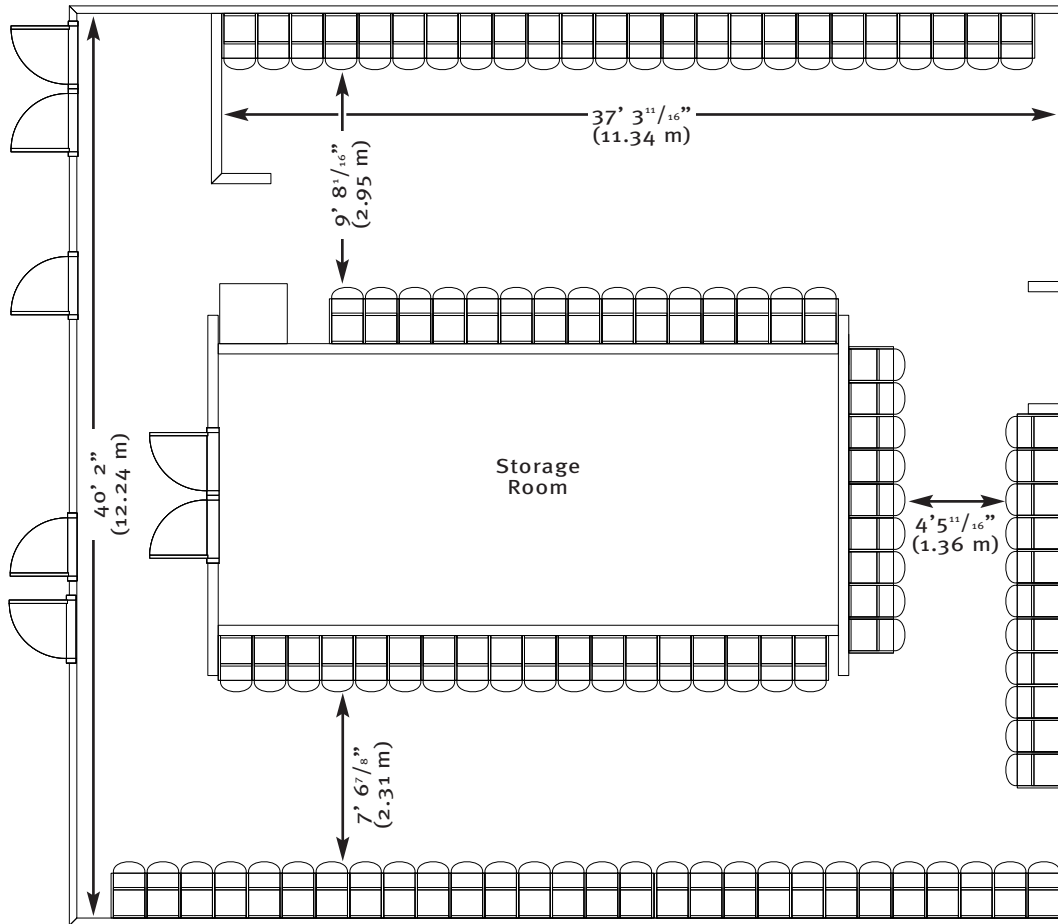


# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### AirPro Locker - Sample Configuration

Example of 105 AirPro Locker Configuration (18" wide AirPro Lockers shown)

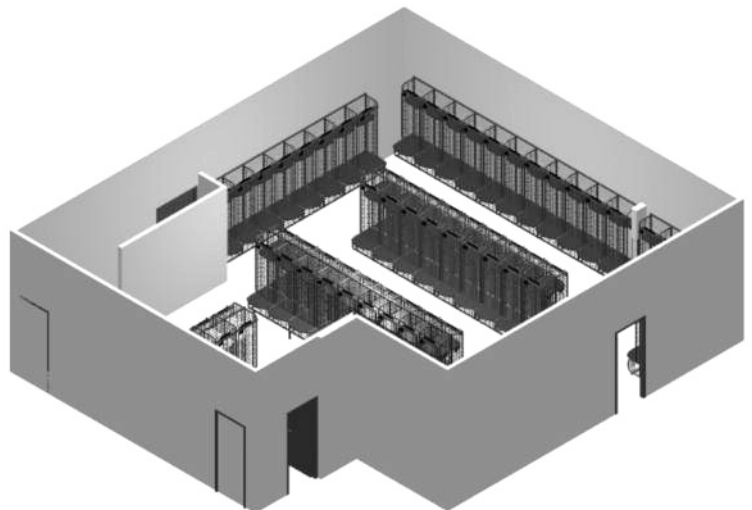
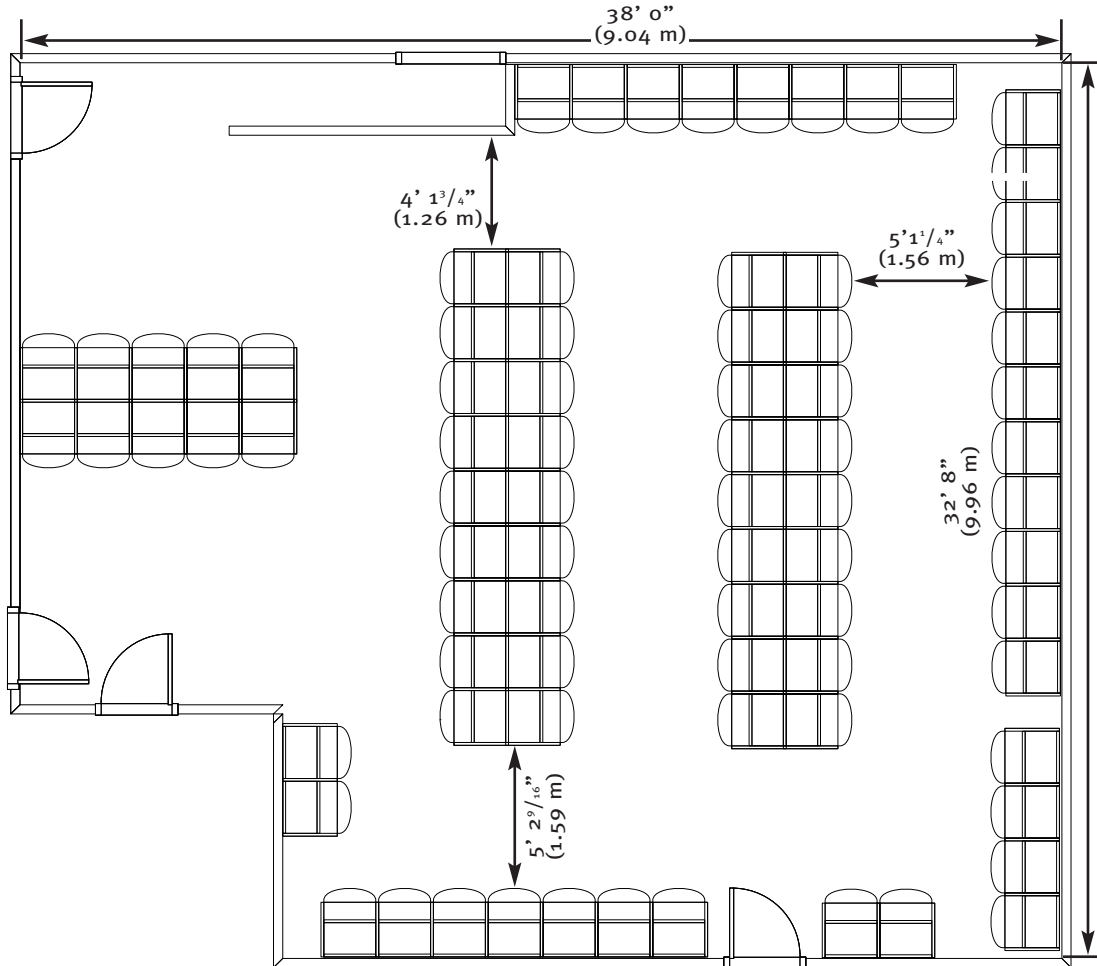


# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### AirPro Locker - Sample Configuration (continued)

Example of 80 AirPro Locker Configuration with Island (24" wide AirPro Lockers shown)





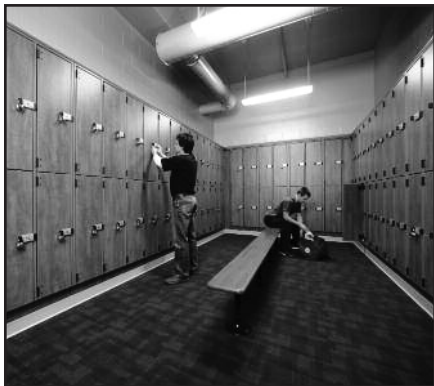
## Application Information

### UltraStor™ Custom Casework and Pass-Through Cubbies

Wenger custom casework solutions bring a higher level of function and aesthetics to athletic spaces. From lockers to pass-through laundry cubbies, Wenger will customize casework to enhance your designs. All of our solutions begin with high-quality standards including our patented polyethylene shelves designed to provide an easy-to-clean surface and to enhance air-flow. We use a polyester laminate which out-performs cheaper melamine solutions. Antimicrobial laminate options can add another line of defense against sanitation issues. Bolt-through construction means that doors and connection points will never pull out and replacement doesn't require breaking apart glue and dowel construction.

#### PERFORMANCE REQUIREMENTS

- Choice of solid doors, straight grille doors or no doors.
- Polyester laminate and formaldehyde free industrial grade composite wood core resists chipping and looks new years longer than other laminates.
- Shelves feature patented ventilation ridges and rounded front edges, improving airflow crucial to equipment and garment longevity.
- Load-tested hinges and lock assemblies stand up to institutional use.
- 85<sup>5</sup>/<sub>8</sub>" (217 cm), 69<sup>3</sup>/<sub>4</sub>" (177 cm) and 38<sup>5</sup>/<sub>16</sub>" (97 cm) heights available to meet your students' needs. Middle school and elementary school students cannot easily reach storage compartments more than 68" (173 cm) off the floor.
- Standard 27<sup>1</sup>/<sub>2</sub>" (69.85cm) wide and 21" (53.34 cm) narrow widths available.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for these products can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.



Custom Casework

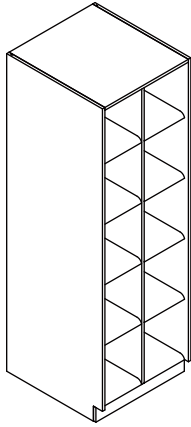


Pass-Through Cubbies

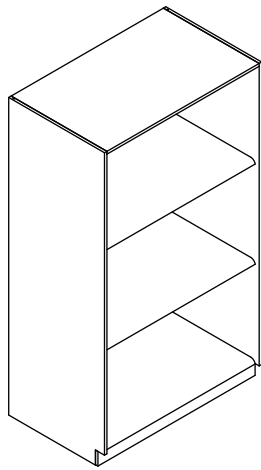
## Application Information

### CONSTRUCTION

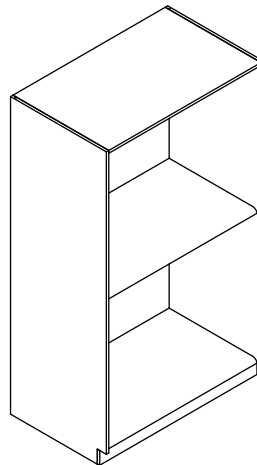
- Wall panels are  $\frac{3}{4}$ " (19 mm) thick formaldehyde free industrial grade composite wood with polyester laminate finish in Wenger standard Wenger colors.
- Available with right- or left-hinged (standard) doors for easy access.
- Bolt-through construction maintains superior door and hardware condition, year after year.
- Seismic-compliant bracing available upon request as a special order.
- Available in several core substrates to meet your specific needs:  
fire-rated, formaldehyde free industrial grade composite wood (standard), moisture-resistant, FSC certified, and Vencore (plywood).
- Ten-year warranty.



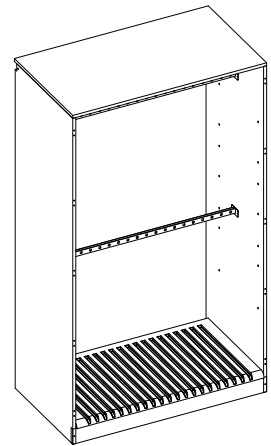
Cabinet #4  
shown without doors



Cabinet #12  
shown without doors



Cabinet #15  
shown without doors



Cabinet #35  
shown without doors

See the Instrument Storage and Robe and Uniform Storage sections for more expansive coverage of storage cabinets.

## Application Information

### GearBoss® High-Density Storage

GearBoss high-density storage carts create more room in less space – improving space efficiency by as much as 50% – by using an innovative system of tracks and rolling carts.

X-Carts are designed to move laterally on the track and stay in your equipment room.

Team Carts are portable and engineered with retractable track guides so you can move the equipment around the room or off campus. No more wasted time running back and forth to the storage room.

Every cart can be reconfigured for maximum storage.

The best solution includes a mix of X-Carts and Team Carts, and your Wenger representative will design the best solution for you. Bottom line – you'll get a flexible sports storage system engineered to meet every challenge.

### PERFORMANCE REQUIREMENTS

- Convert traditional storage area into organized, secure high-density space.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.

### CONSTRUCTION

- Available in two widths 32" (81 cm) and 48" (122 cm).
- Roller guides follow the track keeping the units aligned and are made of glass-filled nylon.
- Intended for indoor use in normal ambient temperature and humidity conditions – must not be exposed to prolonged outside weather conditions.
- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant-welded heavy-duty steel wire grille end frames.
- Durable powder-coat paint finishes.
- Variety of colors available for wire grille ends.
- Heavy-duty 6" (15 cm) wheels provide easy movement.
- Roof panel constructed from solid 5/8" (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" (81 cm) wide x 78" (198 cm) long x 79" (201 cm) high.
- 48" (122 cm) wide x 78" (198 cm) long x 79" (201 cm) high.
- Five-year warranty.

# ATHLETIC EQUIPMENT STORAGE

## Athletic Layout Estimate

Start here and Wenger will put together a proposal.

Firm: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Best time and method of contact: \_\_\_\_\_

School/Project Name: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Estimated Delivery (quarter & year) \_\_\_\_\_

Room Size: (Space #1) Dimensions: Height \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_

Room Size: (Space #2) Dimensions: Height \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_

To receive a site drawing with your proposal, include a copy of the prints, floor plan and elevation showing locations of windows, doors, ventilation, sprinklers and other permanent fixtures.

For a Wenger representative to provide you with estimates and drawings, also fill out the following to the best of your ability.

**Number of Players**  
Football  Male \_\_\_\_\_  Female \_\_\_\_\_  
Number of Helmets: \_\_\_\_\_  
Preference  Hanging \_\_\_\_\_  Shelved \_\_\_\_\_  
Number of Shoulder Pads: \_\_\_\_\_  
Preference  Hanging \_\_\_\_\_  Stacked \_\_\_\_\_  
Baseball/Softball  Male \_\_\_\_\_  Female \_\_\_\_\_  
Soccer  Male \_\_\_\_\_  Female \_\_\_\_\_  
Basketball  Male \_\_\_\_\_  Female \_\_\_\_\_  
Wrestling  Male \_\_\_\_\_  Female \_\_\_\_\_  
Volleyball  Male \_\_\_\_\_  Female \_\_\_\_\_  
Cross Country  Male \_\_\_\_\_  Female \_\_\_\_\_  
Track  Male \_\_\_\_\_  Female \_\_\_\_\_  
Lacrosse  Male \_\_\_\_\_  Female \_\_\_\_\_

**Number of Players**  
Spirit Squad  Male \_\_\_\_\_  Female \_\_\_\_\_  
Dance  Male \_\_\_\_\_  Female \_\_\_\_\_  
Ice Hockey  Male \_\_\_\_\_  Female \_\_\_\_\_  
Field Hockey  Male \_\_\_\_\_  Female \_\_\_\_\_  
Swim/Dive  Male \_\_\_\_\_  Female \_\_\_\_\_  
Tennis  Male \_\_\_\_\_  Female \_\_\_\_\_  
Golf  Male \_\_\_\_\_  Female \_\_\_\_\_  
Other  Male \_\_\_\_\_  Female \_\_\_\_\_  
Other  Male \_\_\_\_\_  Female \_\_\_\_\_  
Other  Male \_\_\_\_\_  Female \_\_\_\_\_  
Other  Male \_\_\_\_\_  Female \_\_\_\_\_

Please fax or email this form today. Attn: Athletic Specialist  
Fax: 507-455-4258 Phone: 800-493-6437  
email: [info@wengercorp.com](mailto:info@wengercorp.com)  
Wenger Corporation, 555 Park Drive, P.O. Box 448, Owatonna, MN 55060

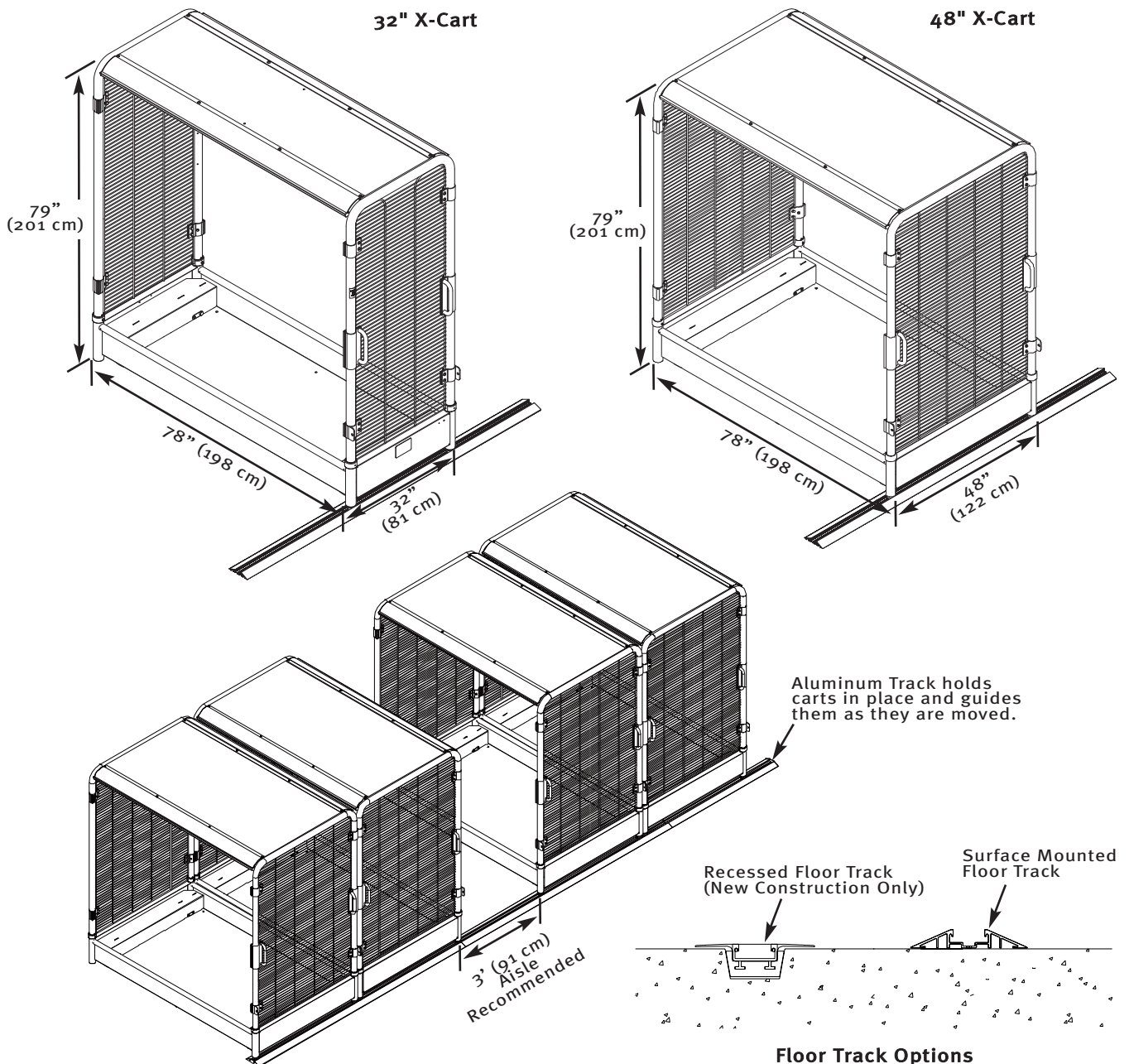
# ATHLETIC EQUIPMENT STORAGE

## Application Information

### GearBoss® X-Cart™

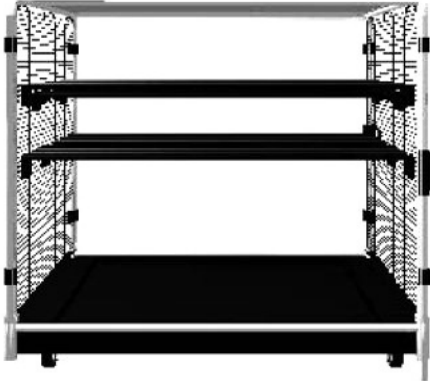
High density storage carts that maximize your space by sliding together and apart along a fixed aluminum track. Transforming your equipment room into an organized, clean, professional storage space is easy with GearBoss. Our rugged X-Carts create an efficient, smart system of storage that will save space, protect your equipment, and save you loads of time spent organizing.

X-Carts roll laterally along a fixed aluminum track creating aisles between carts when you need to get at your equipment and closing back together when you don't. Carts can be configured with a full range of panels, doors and grilles coordinated with your team colors. You can also add accessories such as doors, helmet hangers, shoulder pad stackers, hanger bars, shelves, dividers, track locks and more. Select colors from the manufacturer's standard pallet.



## Application Information

### GearBoss® X-Carts™ Examples



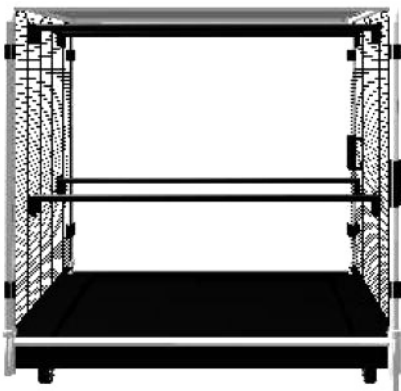
48" wide X-Cart with four 24" wide Metal Wire Shelves and two Garment Bars.

Commonly used to store uniforms  
(300 - 350 uniforms: jerseys hung; pants/shorts folded)



48" wide X-Cart with eight 24" wide Metal Wire Shelves.

Commonly used for folded garment storage  
(960 - 1000 t-shirts and/or shorts)

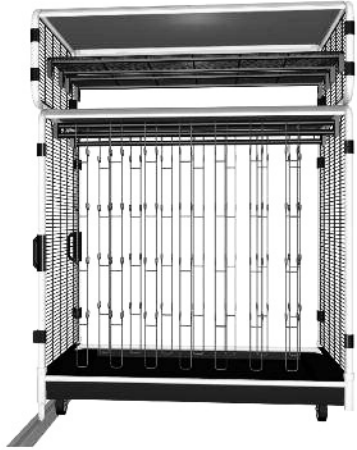


48" wide X-Cart with four Garment Bars.

Used for hanging garments  
(600 - 700 hung jerseys)

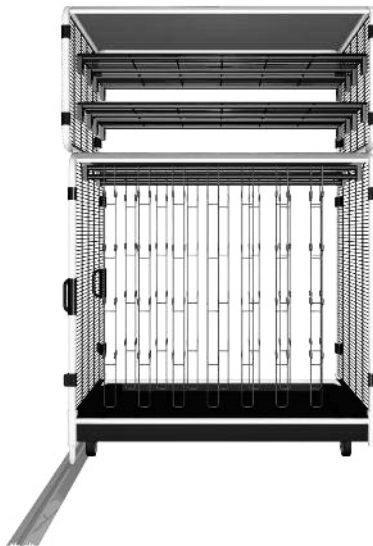
## Application Information

### GearBoss® X-Carts™ Examples (continued)



48" wide X-Cart with Short Attic and Helmet Hangers.

Capacity for 154 helmets  
(112 helmets hung and 42 helmets in attic)



48" wide X-Cart with Tall Attic and Helmet Hangers.

Capacity for 175 helmets  
(112 helmets hung and 63 helmets in attic)

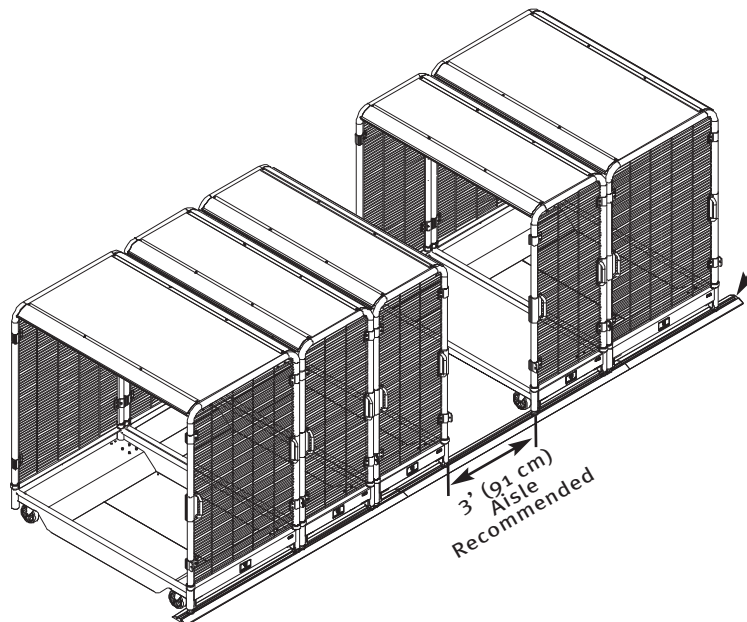
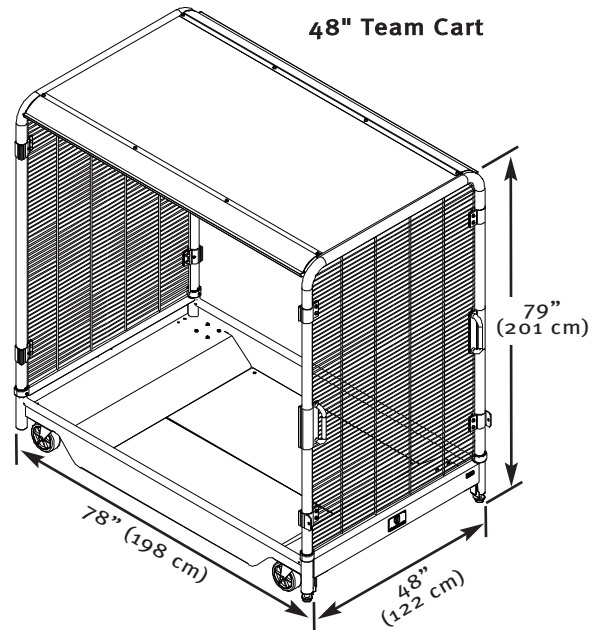
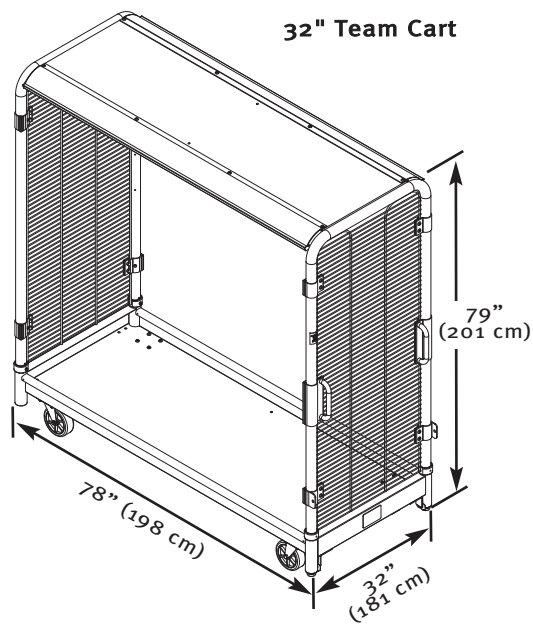
## Application Information

### GearBoss® Team Cart™

High density storage carts that can leave the track and transport your gear wherever you need it.

Now it's easy to get your equipment out of storage and to the gym, practice area, parking lot or sidelines – without breaking a sweat.

GearBoss Team Carts retain all the convenient storage benefits of X-Carts but are engineered to leave the track. Imagine all your gear organized on one or two high-density storage carts, traveling wherever it needs to go – and back again. Or park and lock your equipment in a temporary space, instantly creating safe, secure storage anywhere.



Aluminum Track holds carts in place and guides them as they are moved.





# ATHLETIC EQUIPMENT STORAGE

## Application Information

### GearBoss® Team Cart Examples (continued)



32" wide Team Cart with two 32" wide Metal Wire Shelves and one Garment Bar.

Commonly used to store uniforms  
(150 - 175 uniforms: jerseys hung; pants/shorts folded)



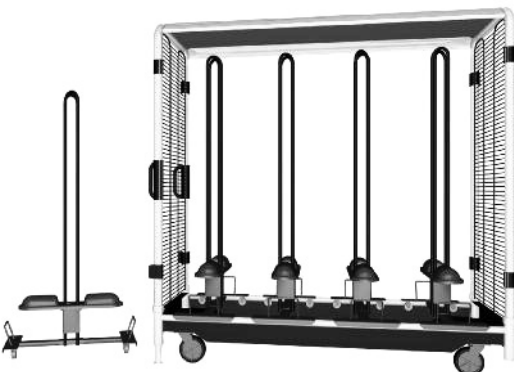
32" wide Team Cart with five 32" wide Metal Wire Shelves.

Commonly used to store helmets  
(70 helmets on shelves)



32" wide Team Cart with seven Helmet Hangers.

(8 helmets per hanger or 56 helmets)



32" wide Team Cart with four Shoulder Pad Stackers and one Free Standing Shoulder Pad Stacker.

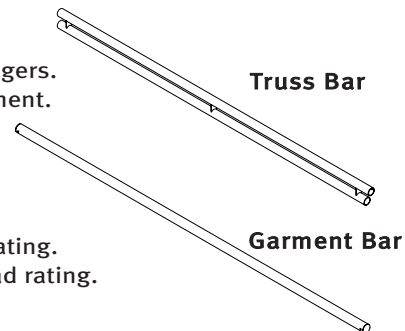
(18 - 25 pads per stacker or 100 pads)

## Application Information

### ACCESSORIES

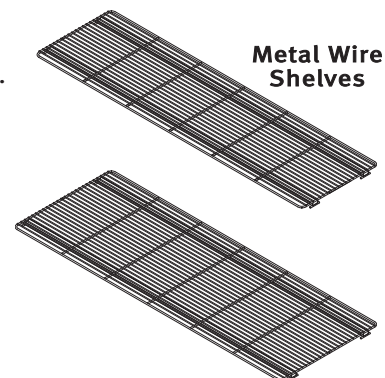
#### Truss Bar/Garment Bar

- Designed to be installed into the GearBoss X-Carts or Team Carts using two accessory hanger brackets.
- The Truss Bar is designed to be used with shoulder pad hangers, helmet hangers. The double-bar construction reduces the swinging motion of hanging equipment.
- The Garment Bar is designed to be used with standard garment hangers, support up to 175 jerseys.
- Durable powder-coat paint finish, black.
- Shipped ready to be installed, no tools required.
- Truss Bar, 1<sup>1</sup>/<sub>2</sub>" x 4" x 75<sup>1</sup>/<sub>2</sub>" long (4 x 10 x 192 cm). 200 lbs (90.7 kg) load rating.
- Garment Bar, 1<sup>1</sup>/<sub>2</sub>" diameter x 75<sup>1</sup>/<sub>2</sub>" long (4 x 192 cm). 100 lbs (45.4 kg) load rating.



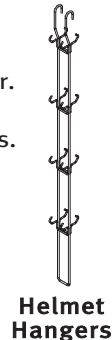
#### Metal Wire Shelves

- Designed to be installed into the GearBoss X-Carts or Team Carts using four accessory hanger brackets per shelf.
- Resistant welded construction of 3<sup>3</sup>/<sub>16</sub>" and 5<sup>5</sup>/<sub>16</sub>" (0.1875 and 0.3125) metal wires.
- Shipped ready to be installed, no tools required.
- The 24" (61 cm) wide shelf allows for shelving half of a 48" (122 cm) cart or all of the cart with two shelves.
- Wire Shelf 24" (61 cm), dimensions 21<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (55 x 190 cm). Approximate weight, 35 lbs (15.9 kg).
- Wire Shelf, 32" (81 cm), dimensions 27<sup>5</sup>/<sub>8</sub>" x 74<sup>7</sup>/<sub>8</sub>" (70 x 109 cm). Approximate weight, 40 lbs (18.1 kg).
- Rated for 150 lbs (68 kg) evenly distributed.



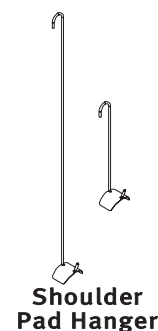
#### Helmet Hangers

- Designed to be used with the Truss Bar, 7 helmet hangers per Truss Bar.
- Accommodates 8 helmets.
- Welded construction using 5<sup>5</sup>/<sub>16</sub>" and 1<sup>1</sup>/<sub>4</sub>" (7.95 and 6.35 mm) steel wires.
- Powder-coat paint finish, black.
- Approximate Weight: 5 lbs (2.3 kg).



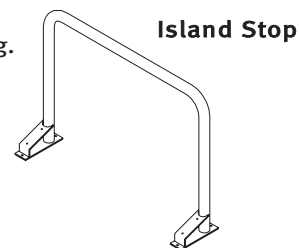
#### Shoulder Pad Hangers

- Designed in short and long versions.
- Designed to be used with the Truss Bar, 15 shoulder pad hangers of each size per Truss Bar.
- Welded construction using 5<sup>5</sup>/<sub>16</sub>" (7.95 mm) wire and 12 gauge formed plate.
- Powder-coat paint finish, black.
- Shoulder Pad Hanger, short. Approximate weight, 1 lbs (0.5 kg).
- Shoulder Pad Hanger, long. Approximate weight, 2 lbs (0.9 kg).



#### Island Stop

- Designed to be permanently installed as an end stop for the GearBoss Carts.
- Welded frame constructed of durable 2" (5 cm) diameter x 16 gauge steel tubing.
- Durable powder-coat paint finish, black
- Dimensions are 9<sup>5</sup>/<sub>8</sub>" wide x 42<sup>3</sup>/<sub>4</sub>" long x 30<sup>1</sup>/<sub>2</sub>" tall (24 x 109 x 77 cm).
- Approximate weight: 24 lbs (10.9 kg).
- Shipped fully assembled.



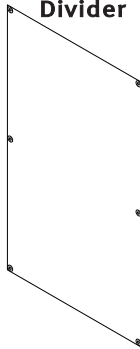
## Application Information

### ACCESSORIES (continued)

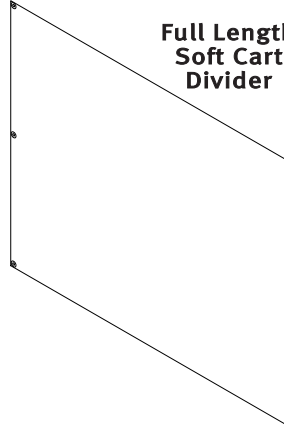
#### Soft Cart Divider

Mesh dividers allow you to divide a 48" (122 cm) wide GearBoss cart lengthwise. The mesh dividers allow visibility through the cart.

Half Length  
Soft Cart  
Divider



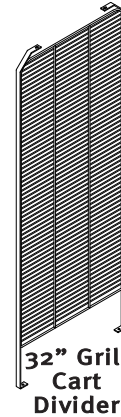
Full Length  
Soft Cart  
Divider



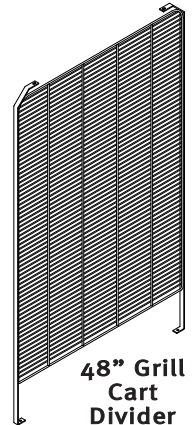
#### Grill Cart Divider

Grill dividers also allow you to divide any GearBoss cart in half with a grillwork that maintains your ability to adjust half shelves and garment bars in 1" (2.5cm) increments.

And, with the Grill Divider, your carts can have shelf and cubbies on one side and remain open for hanging items on the other.



32" Grill  
Cart  
Divider



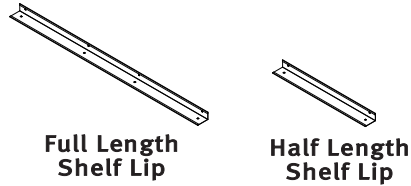
48" Grill  
Cart  
Divider

## Application Information

### ACCESSORIES (continued)

#### Shelf Lip

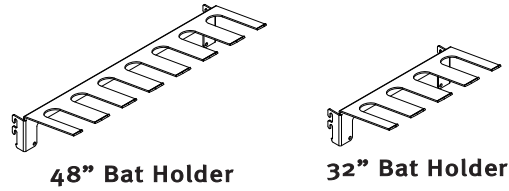
Shelf lips secure with the same knobs as the dividers and can be set up with the tall side out for a 4" (10cm) lip or the short side out for a 2.5" (6.3cm) lip.



#### Bat Holder

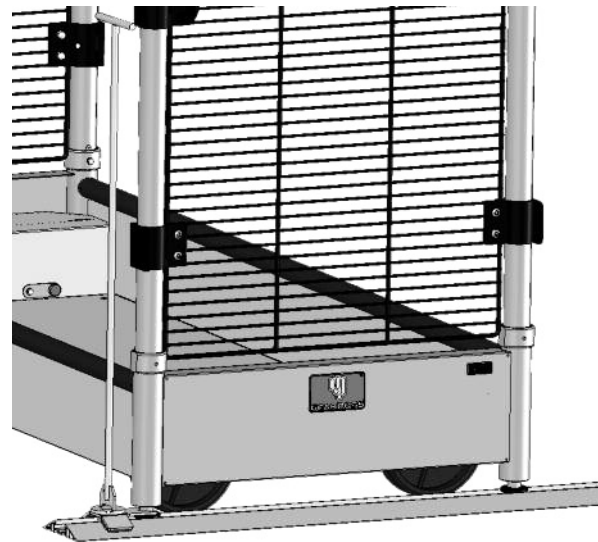
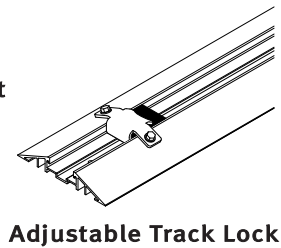
Capacities:

- 48" Bat Holder holds 28 bats
- 32" Bat Holder holds 16 bats.



#### Adjustable Track Lock

#### Adjustable Track Stop Bracket

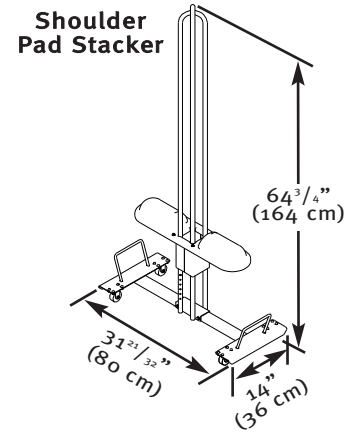


## Application Information

### ACCESSORIES (continued)

#### Shoulder Pad Stacker

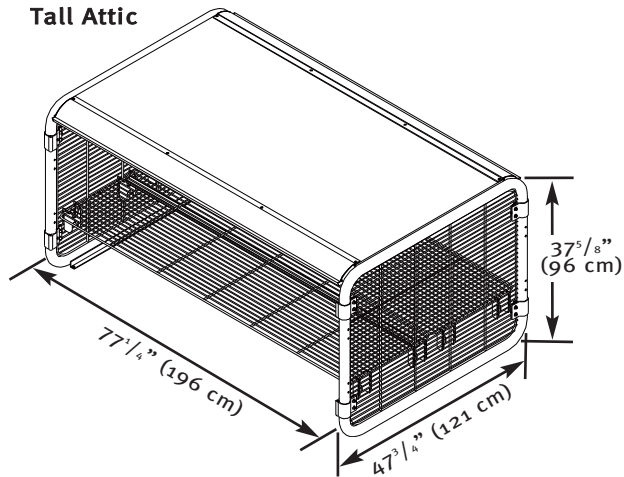
- Designed to store and or transport approximately 18-25 shoulder pads depending on pad style.
- Support tubes constructed of durable  $\frac{3}{4}$ " (19 mm) x 16 gauge steel tubing.
- Specially molded support preserves pad shape.
- The molded support is vertically adjustable to accommodate pads with shallow or deep chest protection.
- Durable powder-coat paint finish, color black.
- Equipped with wheels, for mobility, when used as a stand-alone device.
- Overall dimensions,  $31\frac{21}{32}$ " wide x  $64\frac{3}{4}$ " high (80 x 164 cm).
- Approximate weight, 31 lbs. (14.1 kg).
- Intended use is with the 32" (81 cm) X-Carts, Team Carts and GearBoss II or as a free standing shoulder pad storage and transportation device.
- Not intended to be used with and will not work with Carts equipped with the Side Closure Accessory or the Bypass Door Accessory.



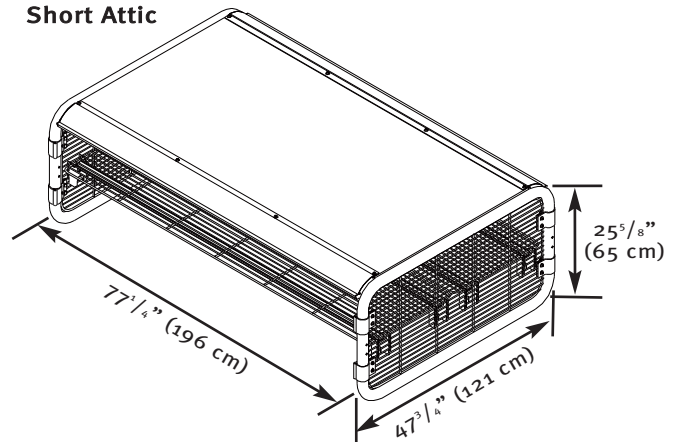
#### Attic

- Attics are available in two heights  $25\frac{5}{8}$ " (65 cm) and  $37\frac{5}{8}$ " (96 cm).
- Welded end frames made from 2" (5 cm) diameter x 16 gauge steel tubing.
- Resistant welded heavy-duty steel wire grill end frames.
- Durable powder-coat paint finish.
- Roof panel constructed from solid  $\frac{5}{8}$ " (15.9 mm) thermofused composite wood core with aluminum extrusions, the roof assembly is rated for 150 lbs (68 kg) load.
- Designed to be accessorized with the 24" (61 cm) wide wire shelves.
- Approximate weights:
  - Short attic, 115 lbs (52 kg)
  - Tall attic, 123 lbs (56 kg)
- Designed only to be used on the 48" (122 cm) X-Cart.

#### Tall Attic



#### Short Attic

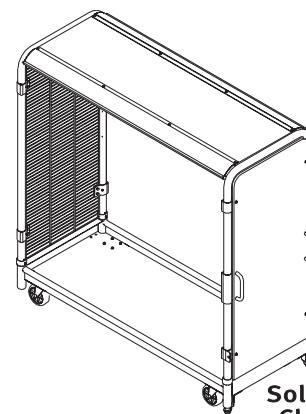


## Application Information

### ACCESSORIES (continued)

#### Solid End Closure

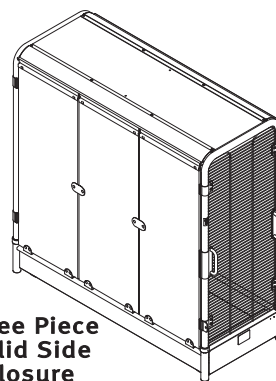
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Provides an excellent space for team logos.
- Adds a level of security to carts.
- Cart End Closure, 32" (81 cm)  
Dimensions:  $27\frac{1}{4}$ " x  $64\frac{5}{16}$ " (96 x 163 cm) Approximate Weight: 25 lbs (11.3 kg).
- Cart End Closure, 48" (122 cm)  
Dimensions:  $43\frac{1}{4}$ " x  $64\frac{5}{16}$ " (110 x 163 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Short  
Dimensions:  $21\frac{9}{64}$ " x  $43\frac{1}{4}$ " (54 x 110 cm) Approximate Weight: 48 lbs (21.8 kg).
- Attic End Closure, Tall  
Dimensions:  $33\frac{9}{64}$ " x  $43\frac{1}{4}$ " (84 x 110 cm) Approximate Weight: 43 lbs (19.5 kg).



**Solid End Closure**

#### Three Piece Solid Side Closure Accessory

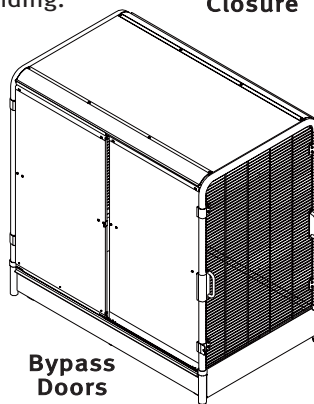
- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Securely closes one side of cart opposite open side or opposite a bypass door adding a level of security to carts.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 75 lbs (34 kg).



**Three Piece Solid Side Closure**

#### Bypass Doors Accessory

- Made from solid  $\frac{5}{8}$ " wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Easy glide aluminum track provides convenient access.
- Sliding doors lockable with padlock (not supplied) for added security.
- Shipped ready-to-assemble.
- Dimensions: 65" x 73" (165 x 185 cm).
- Approximate Weight: 86 lbs (39 kg).



**Bypass Doors**

## Application Information

### GearBoss® SportCart™

Compact GearBoss SportCarts can be used as part of a larger GearBoss installation or as a mobile, stand-alone solution.

They are designed for use in small spaces and for sports that require less storage. Four heavy-duty, 5" swivel casters make mobility a snap. The nimble SportCart will navigate narrow hallways, shorter door openings and most elevators. It's the small-space storage solution.

#### PERFORMANCE REQUIREMENTS

- High density storage on or off the track.
- Heavy-duty commercial-grade swivel casters for easy moving on hard surfaces such as concrete, gym floors, tile and low-pile unpadded carpet.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools™ Certified.

#### CONSTRUCTION

- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant welded heavy-duty steel wire grille end frames.
- Variety of colors available for wire grille ends.
- Extra wide heavy-duty 5" (12.7 cm) swivel casters made from glass-filled nylon with polyurethane non-marring outer roller guides.
- Roof panel is solid 5/8" (1.5 cm) thermofused composite wood core with aluminum extrusions is rated for a 150 lb (67.5 kg) load.
- 32" (81 cm) wide x 41<sup>2</sup>/<sub>3</sub>" (106 cm) long x 74<sup>1</sup>/<sub>2</sub>" (189 cm) high.
- Five-year warranty.

#### ACCESSORIES

##### Swing Door & Side Closure

- Swing door lockable with padlock (not supplied) for added security.
- Made from solid 5/8" wood composite with polyester laminate finish and black heavy-duty PVC edge banding.
- Can be ordered in a variety laminate colors.
- Dimensions: Swing Door 34<sup>1</sup>/<sub>8</sub>" x 63<sup>1</sup>/<sub>2</sub>" (87 x 161 cm).  
Side Closure 34<sup>7</sup>/<sub>8</sub>" x 65<sup>5</sup>/<sub>8</sub>" (89 x 167 cm).
- Approximate Weight: Swing Door 52 lbs. (24 kg).  
Side Closure 41 lbs. (19 kg).

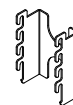
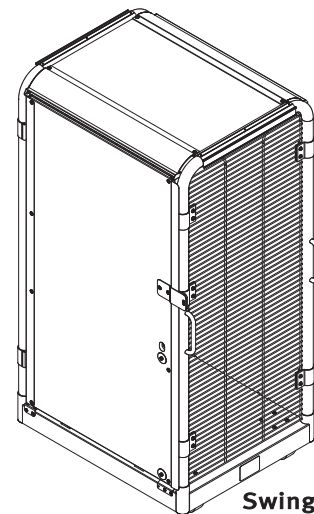
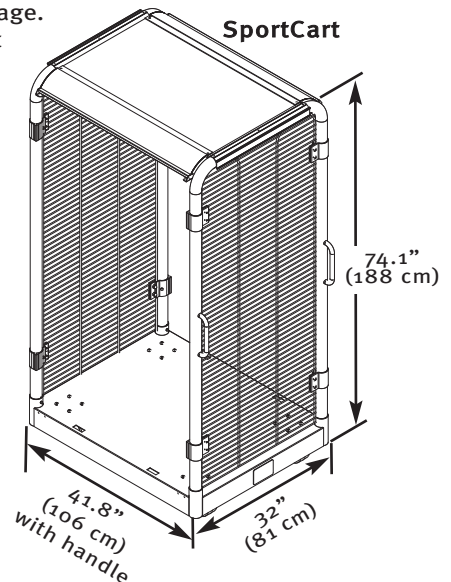
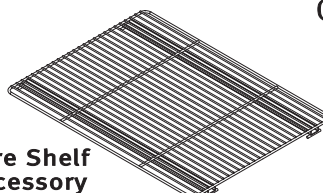
##### Garment Bar

- Designed to be installed using two included hanger brackets.
- Designed to be used with standard garment hangers and supports up to 80 jerseys.
- Durable black powder-coat paint finish.
- Dimensions: 37<sup>1</sup>/<sub>2</sub>" (95 cm) x 1<sup>1</sup>/<sub>2</sub>" OD".
- Rated for 100 lbs. (45 kg) weight evenly distributed.



##### Metal Wire Shelves

- Designed to be installed using four included hanger brackets per shelf.
- Resistant welded construction of 3/16" and 5/16" (0.1875" and 0.3125") metal wires.
- Rated for 150 lbs. (68 kg) evenly distributed.
- Dimensions: 27<sup>5</sup>/<sub>8</sub>" x 37" (70 x 94 cm).
- Approximate Weight: 20 lbs. (9 kg).

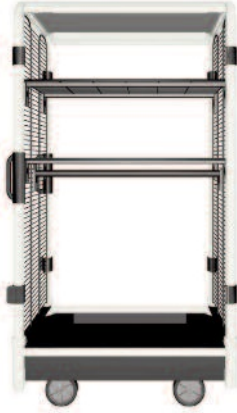


## Application Information

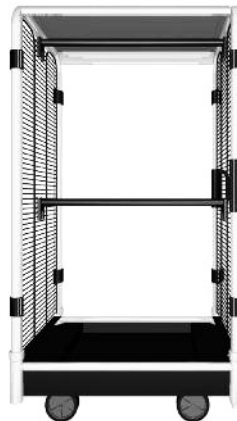
### Sport Cart examples



SportCart with three Metal Wire Shelves.  
Commonly used for folded garments  
(160 - 200 folded t-shirts and/or shorts)



SportCart with two Metal Wire Shelves and one Garment Bar.  
Commonly used for uniforms  
(80 uniforms: 80 hung jerseys; 80 folded pants/shorts)



SportCart with two Garment Bars.  
Commonly used for uniforms  
(160 hung jerseys; 1/2" spacing)



## Application Information

### GearBoss® II High-Density Storage System

The newest high-density storage system from Wenger joins our successful Team and X-Carts in creating athletic equipment storage rooms that make better use of available space. With this new system you get the same space-saving organization as our existing carts in a simplified system with a budget-friendly price. You will gain more control over the time and money lost to poor organization, lax security and misplaced inventory. This storage system is simply a better way to care for and secure your equipment investments.

#### PERFORMANCE REQUIREMENTS

- Convert traditional storage area into organized, high-density space.
- Fixed track system creates a movable aisle to maximize otherwise wasted space and allow interior access to the carts and surrounding area.
- Intended for indoor use in normal ambient temperature and humidity conditions — must not be exposed to prolonged outside weather conditions.
- Open grille design improves airflow and facilitates visibility.

#### CONSTRUCTION

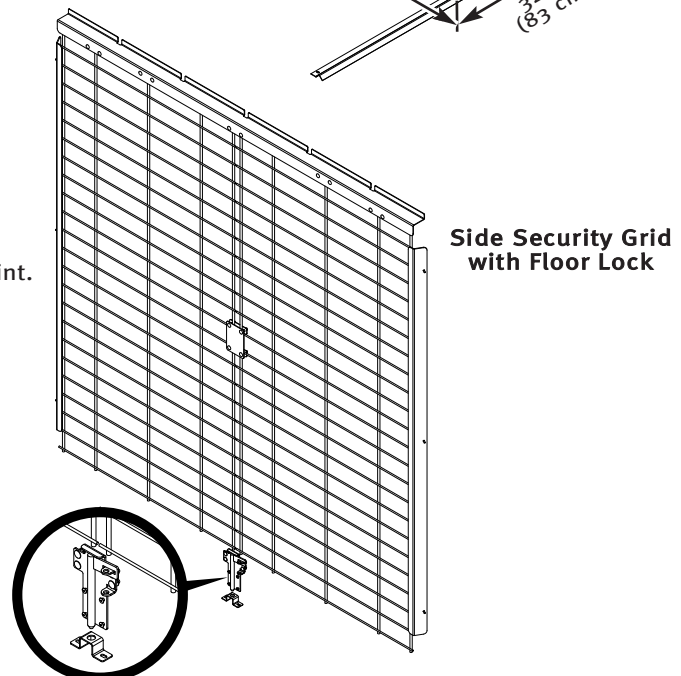
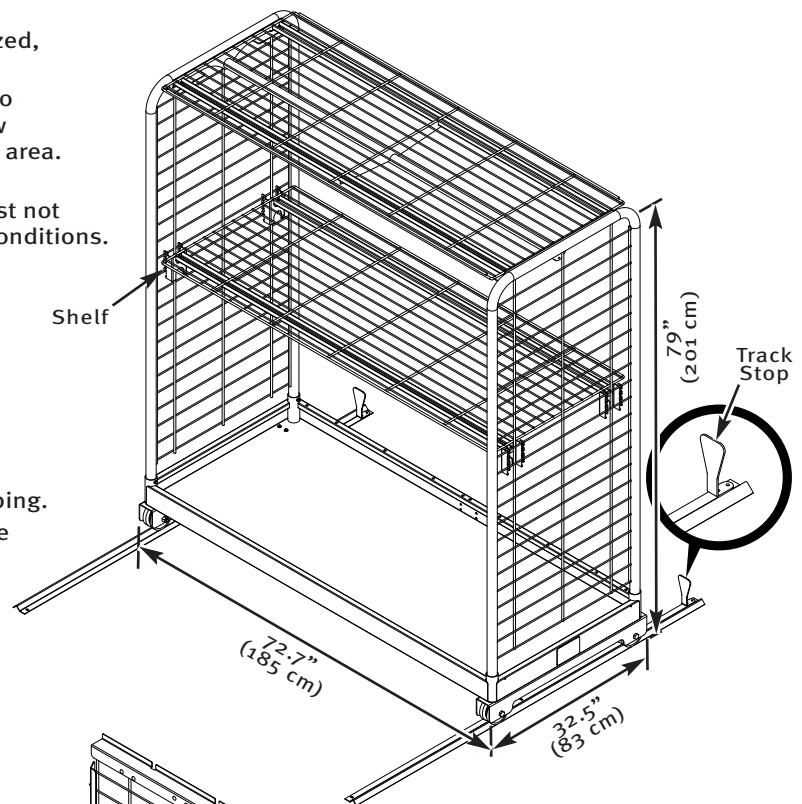
- Dimensions: 32" w x 79" h x 72" d (81 cm x 2 m x 1.8 m).
- Welded chassis made from 16-gauge, 14-gauge and 12-gauge components.
- Upright support tubes constructed from large 2" (5 cm) diameter, 16-gauge steel tubing.
- Resistant-welded heavy-duty steel wire grille end frames.
- Heavy-duty cast iron 6" (15 cm) wheels provide easy movement and keep the units aligned.
- Durable powder-coat paint finish. Black bases, shelves and garment bars Silver tubes and grille.
- Five-year warranty.

#### STANDARD COMPONENTS

Cart includes a garment bar integrated into the top panel, one adjustable-height shelf and one 6' (1.8 m) floor track.

#### ACCESSORIES

- Additional adjustable shelves.
- Adjustable 12-gauge 1½" diameter steel garment bars finished in black powder-coat paint.
- Side security security grid is constructed of 14-gauge formed metal brackets, ⅜" and ⅝" steel wire grilles and finished with black powder-coat paint.
- Floor lock assembly holds carts together and is locked with a customer-provided lock for added security.
- Track stop.



Side Security Grid with Floor Lock

## Application Information

### GearBoss® II™ Examples



GearBoss II standard components includes one Integrated Garment Bar and one Adjustable Height Shelf.

Commonly used to store uniforms  
(140-150 hung jerseys on garment bar:  
pants/shorts folded)



GearBoss II with one Integrated Garment Bar,  
one Adjustable Height Shelf and three additional  
adjustable height shelves.

Commonly used to store uniforms and helmets  
(8-10 helmets on cart floor, four and on cart roof  
or nested shoulder pads 8-10 per shelf.  
48-60 helmets or shoulder pads or misc folded  
pants/shorts/pads)



GearBoss II with Integrated Garment Bar and six Helmet Hangers.

Used for storing helmets  
(48 helmets hung and 10-12 on roof)



GearBoss II with Integrated Garment Bar and three Shoulder Pad  
Stackers and one Free Standing Shoulder Pad Stacker.

(18 - 25 pads per stacker)

## Application Information

### GearBoss® Shelving

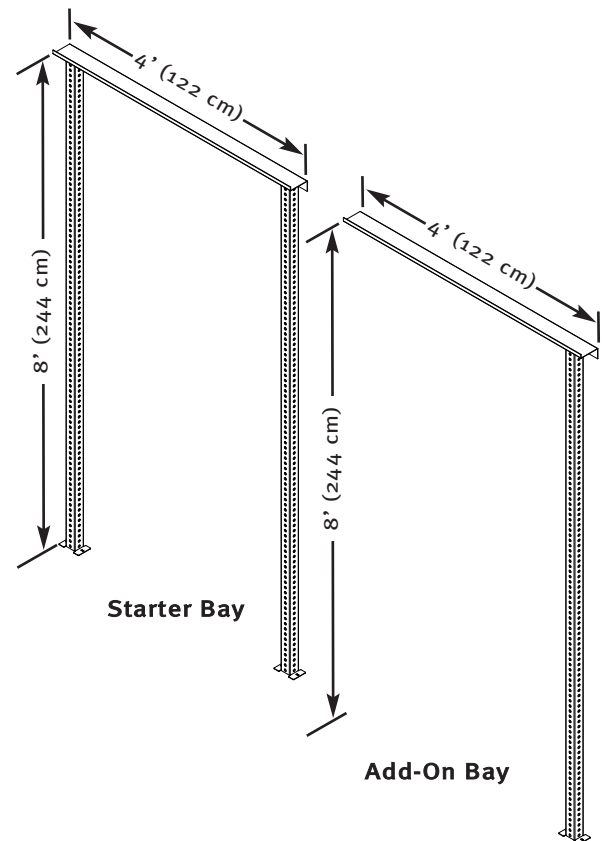
This is the affordable, flexible, durable solution for shelving storage and workspace needs. It works great for athletic, music and marching band storage; and theatre garment and prop storage. The cantilever design optimizes overhead space and keeps the floor free from supports for extra room. The system is so versatile it can be configured to your specific needs to make sure you get the maximum storage space.

#### PERFORMANCE REQUIREMENTS

- Cantilever design keeps the floor open for carts and flexible use.
- Holes at 1" (2.5 cm) increments provide easy adjustability.
- Shelves are adjustable by hand – no tools required.
- Each bay is load-rated at 1,000 lbs (450 kg) (if installation instructions are strictly followed).
- Spans doors and windows, if necessary.
- Easy to install and relocate.
- Uprights and mounting brackets are zinc-plated to avoid rust.

#### CONSTRUCTION

- Available in bays 4'w x 8'h (122 x 244 cm). Custom heights are available.
- Shelf supports are 14-gauge  $\frac{7}{8}$ " (2.2 cm) square tube-steel with silver powder-coat paint finish.
- Aluminum shelf fronts feature a  $\frac{3}{8}$ " (1 cm) lip to retain a hardboard insert or work surface option.
- Ten-year warranty.



## Application Information

### ACCESSORIES

#### Shelves, 30½" and 17½"

- 30½" (77 cm) cantilevered shelf with 4 support tubes spaced 5¼" (13 cm).
- 17½" (44 cm) cantilevered shelf with 2 support tubes spaced 5¼" (13 cm).
- Shelves can be mounted and adjusted in 1" (3 cm) increments without tools.
- Both shelves fronted with a contoured aluminum extrusion with a ⅜" (9 mm) lip to retain a hardboard insert.
- Each shelf is rated for 250 lbs (113 kg) evenly distributed, not to exceed 1,000 lbs (454 kg) per bay.
- All steel parts have a durable silver powder-coat paint finish.
- Shelf brackets are formed 12-gauge steel.
- Shelf support are 14-gauge ⅞" (22 mm) steel tubes.

#### Work Surface Panel

- 29⅜" (74 cm) x 45⅜" (116 cm) panel lays directly inside a 30½" shelf.
- 1⅛" (29 mm) graphite polyester laminated particle board with PVC edgebanding - black only.

#### Drawer

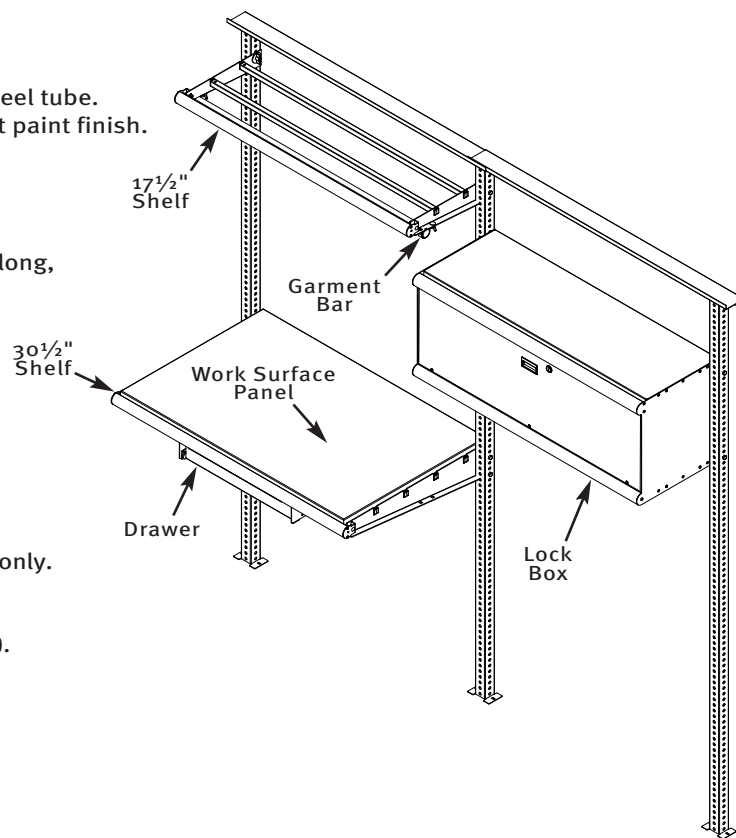
- Mounts to underside of a work surface panel accessory for a 30½" shelf.
- 14-gauge steel construction.
- Durable black powder-coat paint finish.
- Rated for 100 lbs (45 kg) evenly distributed.

#### Garment Bar/Hanging Bar

- 48" (122 cm) x 14-gauge x 1½" (4 cm) round steel tube.
- All steel parts have a durable black powder-coat paint finish.
- Durable black powder-coat paint finish.
- Mounts to underside of shelves without tools.
- Rated for 100 lbs (45 kg) evenly distributed.
- Interchangeable companion products:  
Football helmet hanger, Shoulder pad hanger - long,  
Shoulder pad hanger - short.

#### Lock Box

- Door is hinged at the bottom so it can drop and stay open for easy access.
- Sides, top and bottom panels are 16-gauge steel.
- Features upper and lower contoured aluminum extrusions.
- Laminated wood door with keyed lock.
- Door is ⅝" (16 mm) graphite pebble polyester laminated board with PVC edgebanding - black only.
- Rated for 100 lbs (45 kg) evenly distributed.
- Mounted and adjustable without tools.
- Dimensions: 16" x 18" x 46" (41 x 46 x 117 cm).

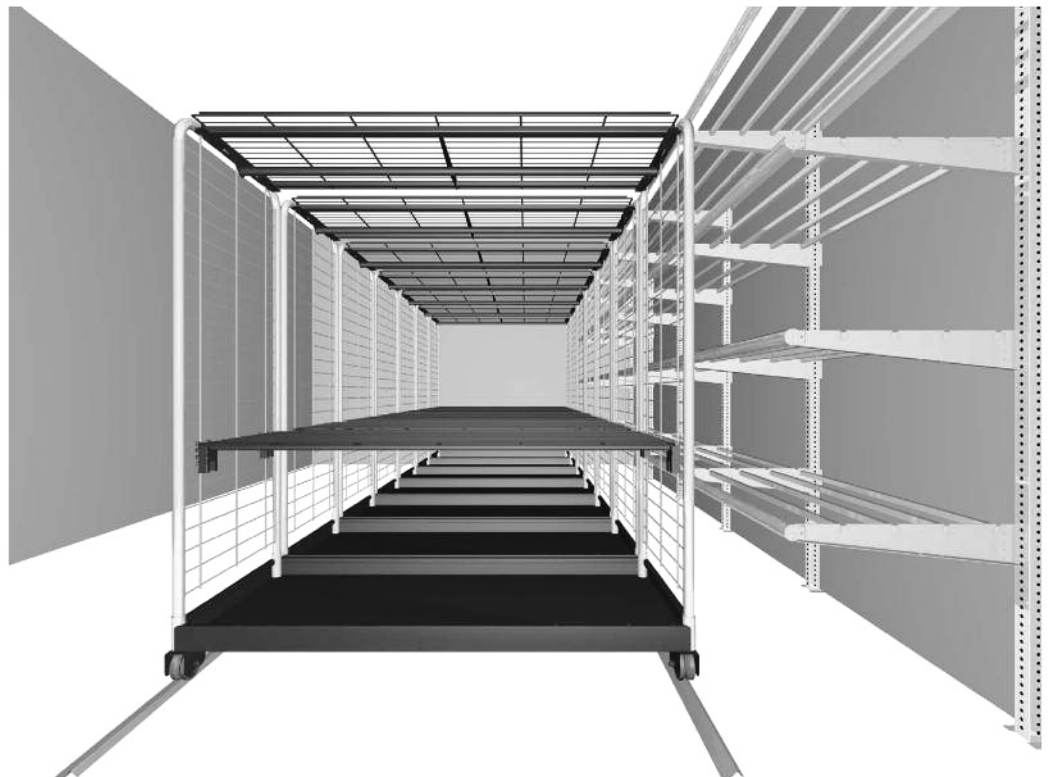
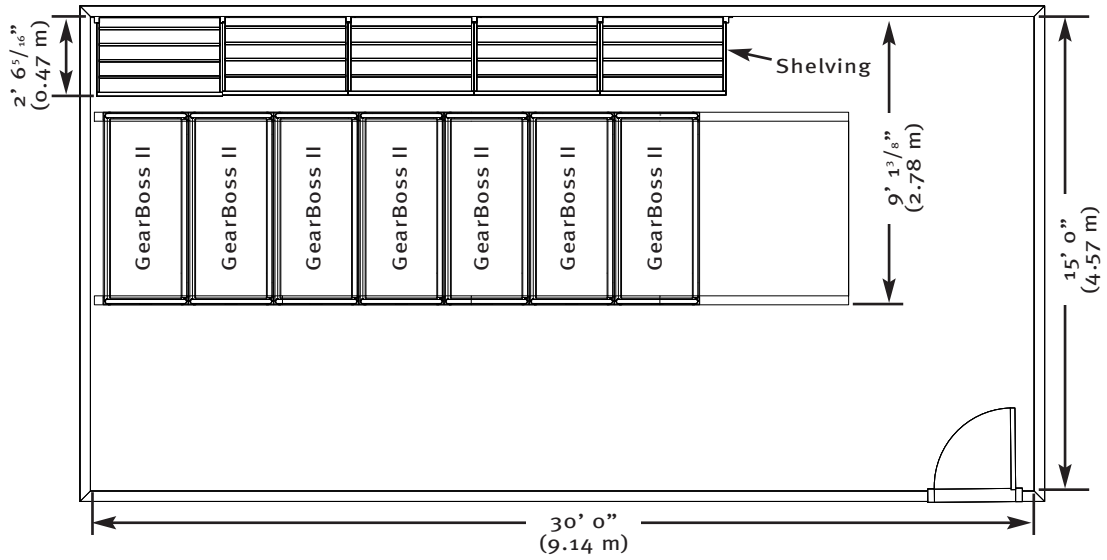


# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### GearBoss Sample layouts

#### GearBoss Carts and Shelving

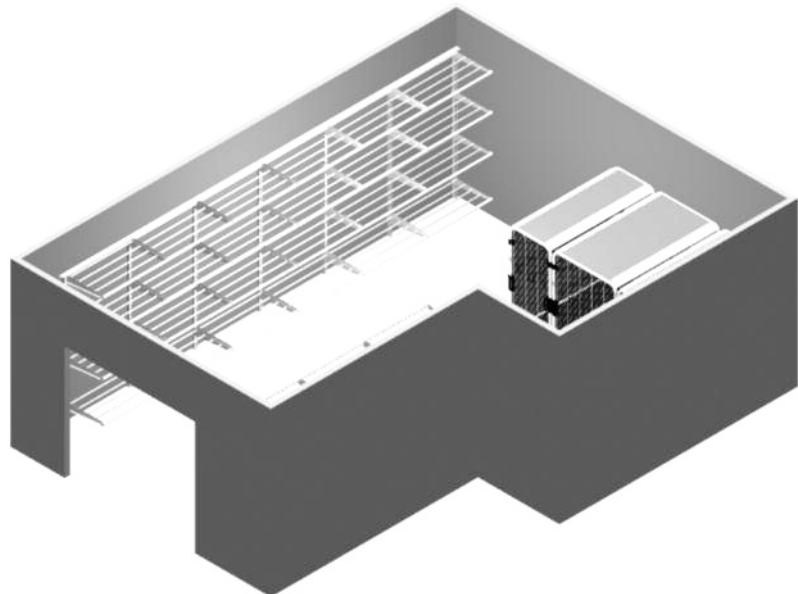
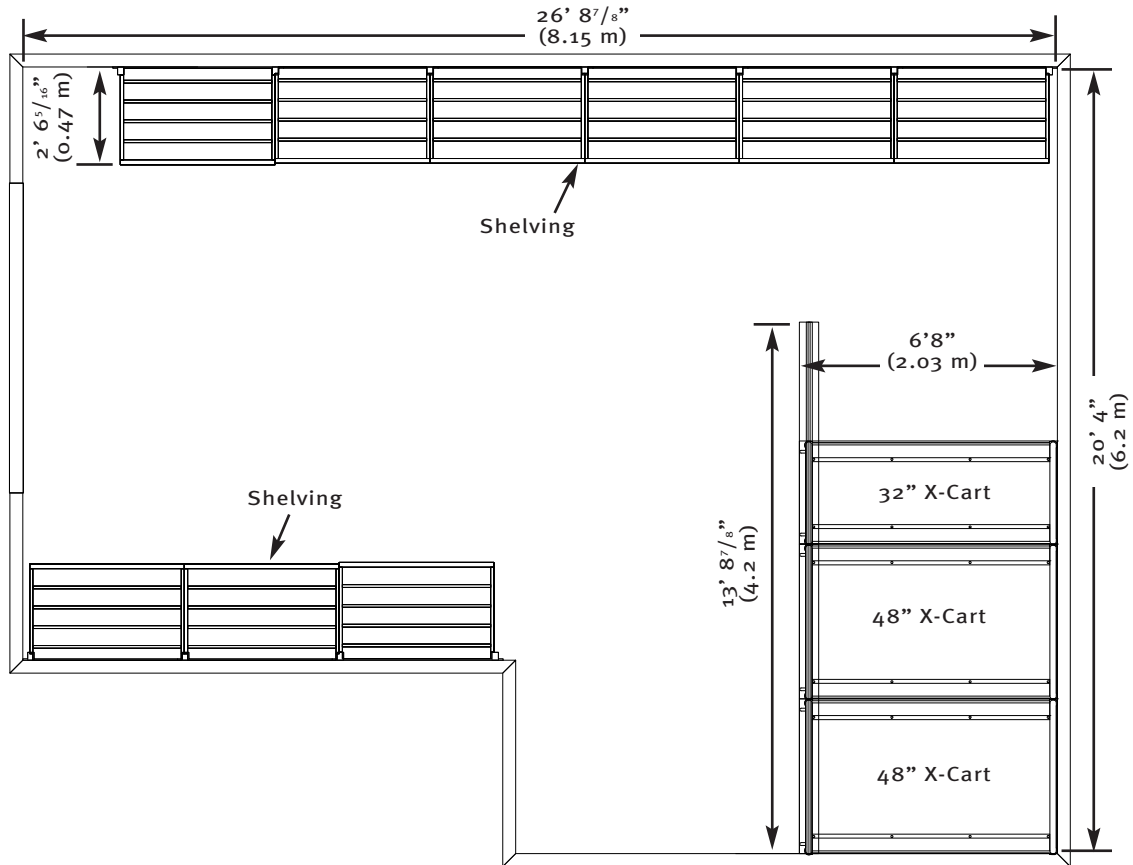


# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### GearBoss Sample layouts (continued)

### GearBoss Carts and Shelving (continued)

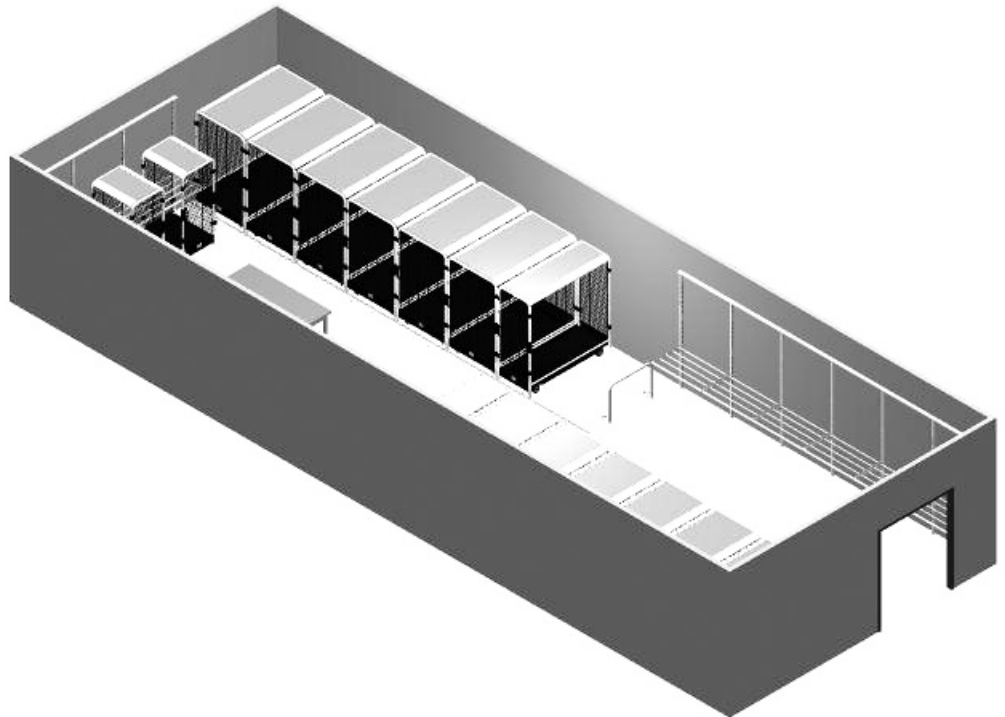
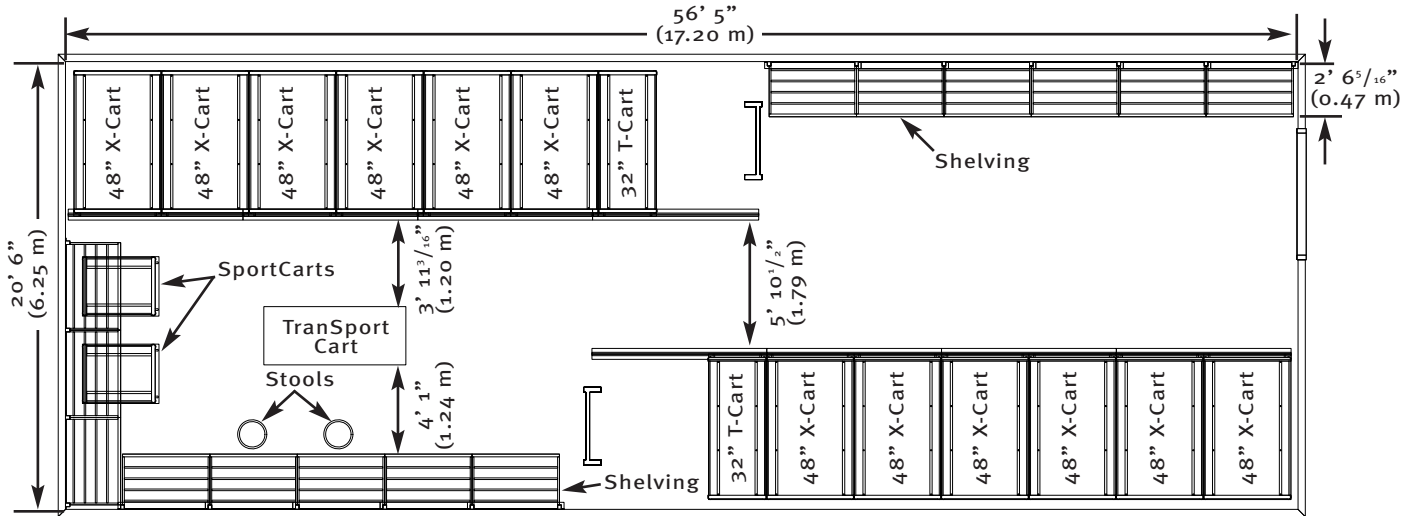


# ATHLETIC EQUIPMENT STORAGE

## Typical Drawings

### GearBoss Sample layouts (continued)

### GearBoss Carts and Shelving (continued)



## Application Information

### Miscellaneous information

Technical Sheets are included for:

- TranSport Cart
- Mobile Kiosk



## GearBoss® Athletic Equipment Storage

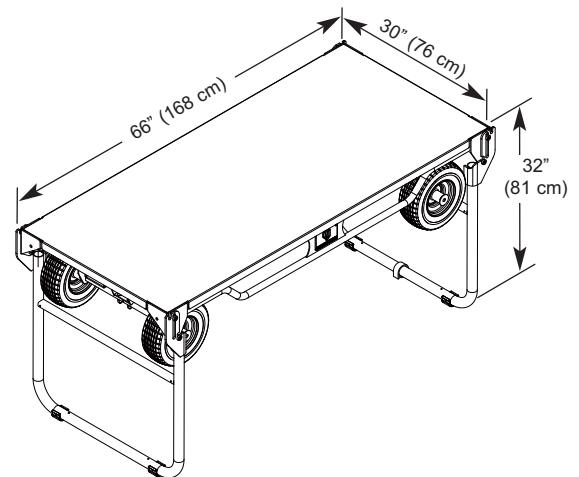
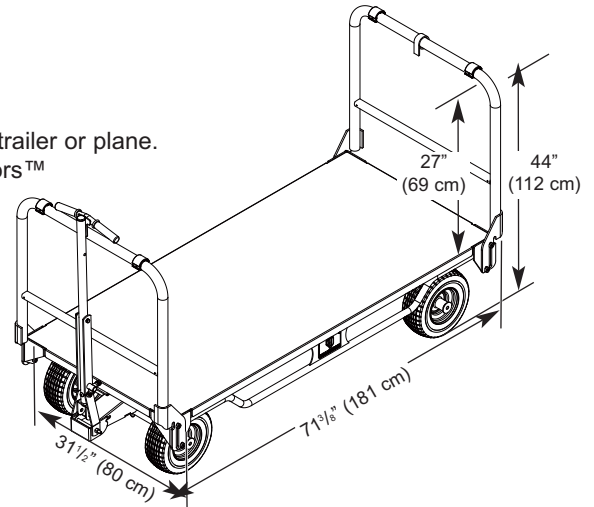
The GearBOSS TranSPORT cart is another Wenger innovation designed specifically for the needs of athletic programs. The TranSPORT cart makes it easier than ever to move a variety of equipment through your facility and out to the field. And in just a few seconds it is easily transformed into a rock-solid table for use on the sidelines or anywhere in the facility. Practices. Games. Travel. The TranSPORT cart goes everywhere your coaches and trainers go.

### Intended Use

- Transport of gear within facility and outdoors to fields and points of use.
- Converts to table for use as work surface, sideline table or trainer's table.
- End braces fold for compact storage when not in use or when put in truck, trailer or plane.
- Intended for trailering behind slow-moving motorized vehicles such as Gators™ golf carts, lawn tractors, ATV's etc. Not to exceed 10 mph (16 km).

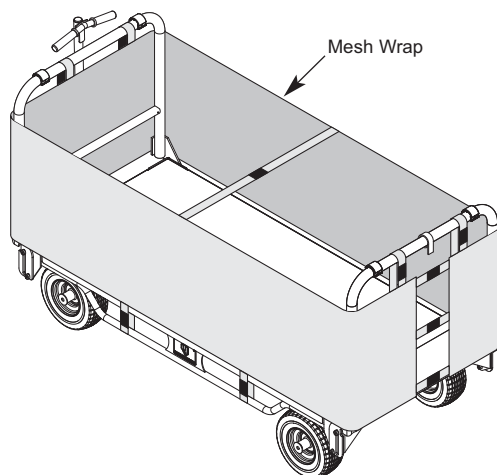
### Cart Specifications

- 240A003
  - Heavy-duty chassis construction.
  - Chassis is 1<sup>1</sup>/<sub>4</sub>" (3 cm) 16 gauge tube steel+1<sup>1</sup>/<sub>4</sub>" (3 cm) square tube cross sections.
  - Powdercoat paint and finish.
  - Aluminum deck finished in UV and chemical-resistant powdercoat.
  - Pneumatic 10" (25.4 cm) wheels, outdoor treads, sealed ball bearings.
  - Comfort-grip pull handle transitions to pin-hitch for motorized vehicle, 1<sup>1</sup>/<sub>4</sub>" (3 cm) 14 gauge steel with wing nut and pivot joint.
  - Front wheels turn on central, permanently lubricated bearings and king-pin.
  - End braces fold flat to deck for storage and rotate under deck to function as table legs.
- Made of 1<sup>1</sup>/<sub>4</sub>" (3 cm) 14 gauge powder-coated steel tube.
- 15<sup>1</sup>/<sub>2</sub>" (39 cm) storage height, 32" (81 cm) table height.
  - 30" wide x 66" long (76 x 168 cm) deck. 71<sup>1</sup>/<sub>2</sub>" (182 cm) total length.
  - Dynamic maximum load rating 1,000 lbs (454 kg).
  - Total cart weight 150 lbs (68 kg).
  - Five-year warranty.



### Accessories

- Heavy-duty mesh cart wrap encloses loaded cart and quickly snaps on and off.



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wengercorp.com

## GearBoss® Athletic Equipment Storage

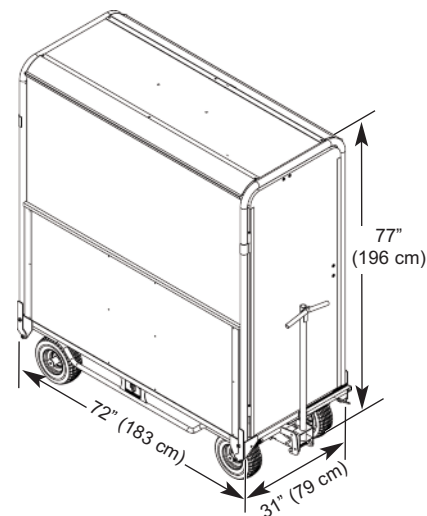
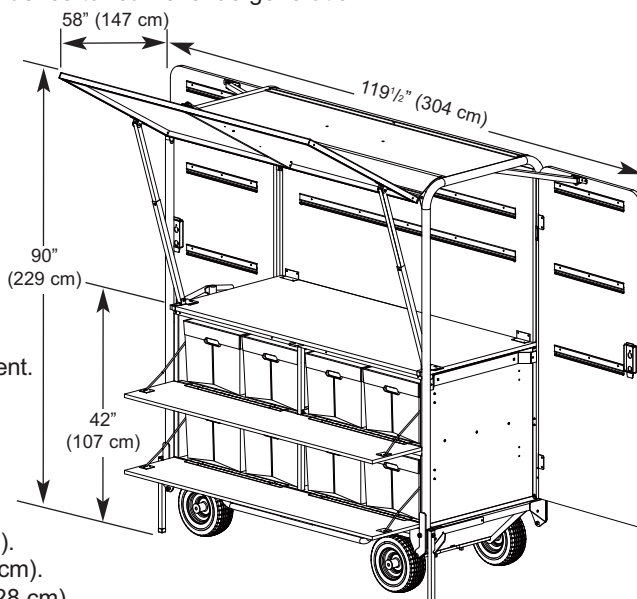
The GearBOSS Mobile Kiosk by Wenger is a self contained, mobile merchandising kiosk that allows you to follow your fans, wherever they go. All of your logo gear is neatly secured inside the enclosed unit while moving from venue to venue. Panels open up in seconds to create your kiosk. Eight removable bins allow different athletic programs, boosters or school clubs to keep inventory in their own bin. Move beyond candy sales and car washes to real revenue generation.

### Intended Use

- Organize school spirit items for sale at multiple locations.
- Travels to the gym, field, parking lot, school hall.
- Hand break for easy mobility.
- Move your fund raising efforts to a new level.

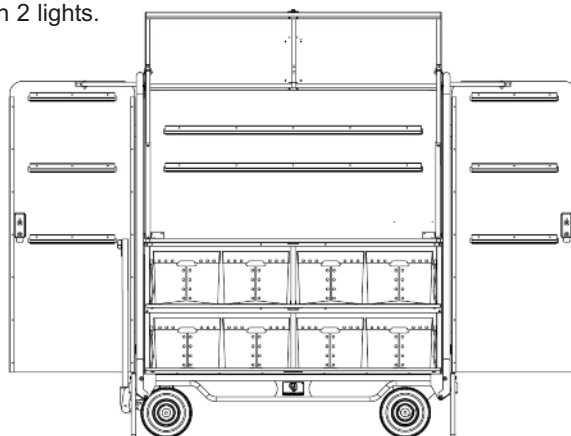
### Specifications

- 240A007.1
- Heavy-duty chassis construction.
- Chassis is 1<sup>1</sup>/<sub>4</sub>" (3 cm) 16 gauge tube steel with 1<sup>1</sup>/<sub>4</sub>" (3 cm) square tube cross sections.
- Canopy – 0.10 inch thick aluminum attached to 18 gauge tube weldment.
- Side Doors – 3/4" thermofused composite wood core.
- Front Fold-Down Doors – 5/8" thermofused composite wood core.
- 42" (107 cm) counter height.
- Pneumatic 10" (25.4 cm) wheels with outdoor treads and sealed ball bearings.
- Closed dimensions - 72" long x 31" deep x 77" tall (183 x 79 x 196 cm).
- Open dimensions - 119<sup>1</sup>/<sub>2</sub>" long x 58" deep x 90" tall (304 x 147 x 229 cm).
- Bin measurements - 14<sup>3</sup>/<sub>16</sub>" wide x 27<sup>3</sup>/<sub>4</sub>" deep x 11<sup>1</sup>/<sub>8</sub>" tall (36 x 70.5 x 28 cm) (8 bins per cart).
- Display Panel Measurements
  - Side doors - 26<sup>3</sup>/<sub>8</sub>" wide x 61" tall (67 x 155 cm)
  - Back doors - 62<sup>5</sup>/<sub>8</sub>" wide x 31<sup>3</sup>/<sub>4</sub>" tall (159 x 81 cm).
- Slat Wall Starter Kit - 1 basket, 2 waterfalls, 18 hooks
- Slat wall is reinforced with aluminum channels to accept heavier loads and a wide variety of retail display hardware.
- GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified.
- Environmental attributes and LEED compliance for this product can be found at [www.wengercorp.com/GREEN](http://www.wengercorp.com/GREEN) or by contacting your Wenger representative.
- Weight (empty) - 550 lbs. (249.5 kg).
- 800 lbs. (363 kg) maximum load tires.
- Five-year warranty.



### Accessories

- Track lights - 2' (61 cm) track with 2 lights.
- Plug Strip - seven outlets.



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# SERVICES



**Wenger**<sup>®</sup>  
Your Performance Partner



## DELIVERY AND INSTALLATION

Wenger delivery and installation services are two great advantages of buying direct. At your option, we will package, ship, and install your order with the care and understanding that only the product's manufacturer can provide. Wenger drivers and installers are experienced professionals who are intent on meeting your needs and providing the service you expect.



## PROGRAMMING /PLANNING GUIDES

*New construction and renovation resources for facility planning.*

One of Wenger's strengths is music facility planning. The Music Suite is a complex environment with many different areas and unique dynamics. Wenger provides free Planning Guides that identify and explain these dynamics and needs. Wenger has the experience and resources to assist your design team in planning for music, theatre and athletic facilities. We want to work together to help deliver the best products and services for outstanding education and performance results – and no surprises down the road.

*"Wenger's AIA/CES presentation was very informative and worthwhile. Acoustics is a tricky subject – there are many wives' tales and urban legends. We learned the facts, including practical knowledge, rules of thumb and other useful information that will help us explain and defend our designs.*

*"We continue to choose Wenger products because of the quality of the design. You truly get what you pay for – and Wenger quality is clearly unsurpassed in the industry. Other companies bid lower because their products cost less, because they are worth less."*  
— Michael Shpur, Architect for School Facilities,  
Montgomery County Public Schools, Rockville, Maryland

*"I think it's a valuable that Wenger can offer school districts a single source of responsibility capable of delivering an entire package of products and acoustical solutions.*

*"Wenger's Planning Guide included useful information, such as recommended room sizes and ceiling heights. It was a helpful document, and also provided the music department with documented justification for their requests."*  
— Michael S. Ruetschle, AIA, Architect  
Ruetschle Architects, Dayton, Ohio

*"I've been working in this field for almost 30 years – the Wenger Planning Guide has been on my desk for a long time. I use it extensively for all the programming and planning we do. It's an excellent resource."*  
— Richard T. Connell, AIA, Principal  
S/L/A/M Collaborative, Glastonbury, Connecticut

*"We try to be good stewards of our client's money. I honestly think that Wenger does some things much better than anybody else. I find Wenger's Planning Guide very helpful when working with school personnel."*  
— David Minnigan, Senior Design Architect/ Principal  
Earl Swensson Associates, Inc., Nashville, Tennessee

*"The quality and history of Wenger products speaks for itself. It's worth paying a little bit more when you know something is going to last. Wenger equipment is sturdy and very easy to use."*  
— Susan Scheibler, Fine Arts Coordinator & Choir Director  
Blue Valley Southwest High School, Overland Park, Kansas

*"Wenger provides the total package – from well-designed, durable products to planning assistance and expert installation. The Wenger installers were very professional, knowledgeable, efficient and clean. Their caring attitude speaks volumes about the company."*  
— Earl McConnell, Band Director  
East Fairmont High School, Fairmont, West Virginia

*"I've purchased Wenger equipment for over thirty years for music programs in Texas, Ohio, Japan, India, Egypt and now Oman. I've learned to trust the quality and durability of the products and the professionalism and integrity of the people at Wenger."*  
— Tim Willson, Instrumental Music Teacher  
American Intl. School of Muscat (TAISM), Oman

*"When you think music, you think Wenger. Wenger products last for years, which says a lot about the company behind them. I've known the Wenger name for more than 20 years from teaching, clinics and festivals. The company is an icon of music."*  
— Wm. Shane Williams, Associate Professor of Music  
Lindenwood University, St. Charles, Missouri

*"Wenger's Planning Guide was an extremely valuable resource throughout the process – from design through construction. It answered a lot of my questions, including about cubic volume and sound isolation. During construction, the Guide helped me be the on-site music room expert."*  
— Anthony H. Bailey, Director of Bands  
Hart High School, Newhall, California

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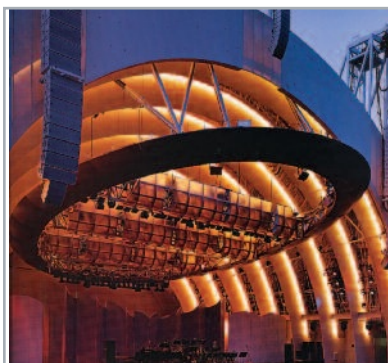
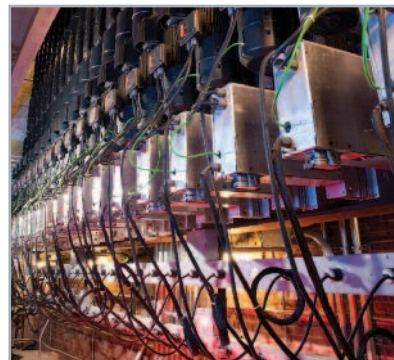
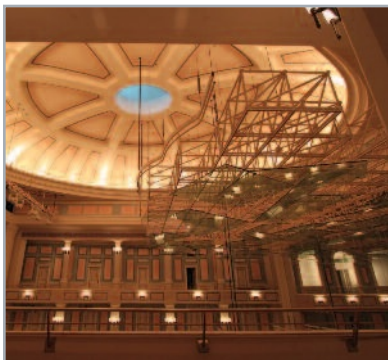
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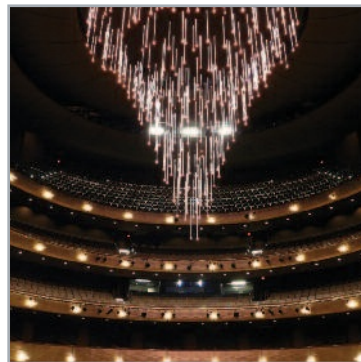
# STAGE RIGGING



## STAGE RIGGING

**J.R. Clancy is now part of the Wenger family. Together we are optimally positioned to serve all your theatre needs.**

Wenger Corporation is proud to announce the recent acquisition of JR Clancy, Syracuse NY. JR Clancy has been designing and manufacturing rigging and theatrical equipment since 1885. They provide everything from simple stage hardware to highly sophisticated power rigging systems for theaters, concert halls, arenas, churches, casino showrooms, opera houses, and even cruise ships. The collaboration between Wenger and JR Clancy allows us to meet all of your worldwide needs for audience seating, acoustical shells, pit-fillers, stage rigging, curtains, and much, much more... basic to fully custom. For more information about Complete Rigging Solutions, visit [www.jrclancy.com](http://www.jrclancy.com) or email at [info@jrclancy.com](mailto:info@jrclancy.com).



**JR Clancy**  
7041 Interstate Island Road  
Syracuse, NY USA 13209-9713  
Phone: 315-451-3440  
Toll Free: 800-836-1885

**Web Site**  
[www.jrclancy.com](http://www.jrclancy.com)

**JRCLANCY**  
QUALITY SINCE 1885



# Rigging for Your Theatre

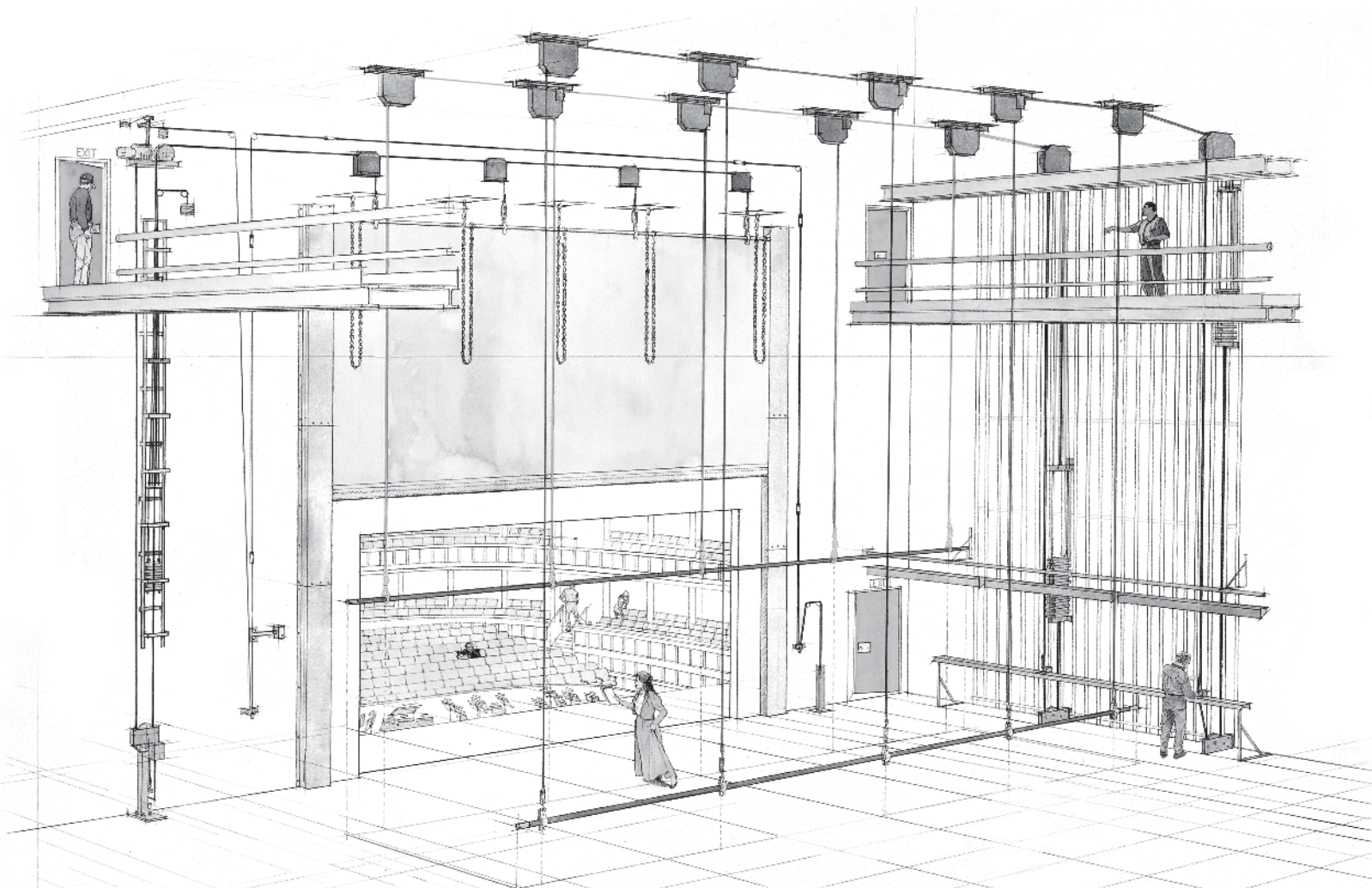
**Motorized, manual, and mixed rigging systems to fit  
your performance, site, and budget requirements**

# Why do we need rigging?

**Rigging is an essential backstage tool for every theatre.** It closes curtains and moves scenery, allowing dramatic set changes and other spectacular effects. Rigging also provides safe access to overhead lighting and equipment, eliminating the need for students to climb ladders for maintenance.

There are two main types of rigging: **automated and manual.** Each offers unique benefits. In many cases **mixed systems** are the best solution, utilizing the advantages of both.

Whether your theatre is in a middle school or a major performing arts center, J.R. Clancy has the right rigging system to meet your project's performance, site, and budget needs. Contact us today to ensure the planning and installation of your theatre's rigging system is hassle-free, and gets a standing ovation of its own.





## AUTOMATED RIGGING

### **Intuitive Controls — Safety — Ease of Use**

In the past, automated rigging was built on a customized basis. Understandably, it was only affordable for major performing arts centers. That meant smaller theatres with limited budgets had no choice but to install rigging systems that involved pulling on ropes to counter-balance scenery with sand bags or steel weights.

Now, automation systems are built in quantity as standard products, with a range of speeds, capacities, mounting options, and control systems that fit the needs of most theatres. This makes motorized rigging practical for every theatre — from middle schools to universities.

J.R. Clancy offers the safest, most reliable automated rigging systems in the industry. Our SceneControl® 500 console allows every action to be pre-programmed effortlessly on a 3D touch screen menu showing your theatre's unique backstage elements. That means movements can run predictably at every performance and be viewed on screen as they are happening. For extra safety, all components are industrial grade, and a live operator must be at the control for any motion to take place.

A full range of other control systems are also available, including push button and remote hand held units.

## MANUAL RIGGING

### **Traditional Counterweighted Operation**

Manual rigging systems have been in use for over 80 years. They're based on balancing a load with steel counterweights and pulling ropes to initiate movements. A loading gallery is a necessity for loading and unloading the counterweights.

If balanced properly and used correctly by trained operators, counterweight rigging can be a cost effective solution. While affordable, they also require the most manpower, training, and skill to operate.

## HYBRID SYSTEMS

### **The Best of Both Worlds**

A mix of automated and manual equipment may be the best fit for some projects. One of the most economical ways to add automation to a counterweight system is with J.R. Clancy's PowerAssist®.

PowerAssist allows push button control of new or existing manual sets. These hoists are frequently used for lighting, to eliminate the need to re-balance counterweights when students remove or hang lamps on the batten. PowerAssist controls the out-of-balance load, so there is no need to handle counterweights.

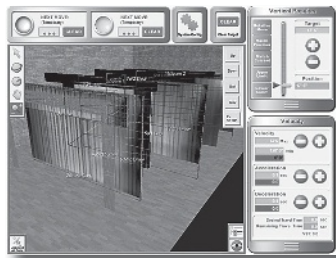
If you're interested in hybrid rigging, we can help you plan a system that fits your theatre's budget and performance requirements.

# Behind the Scenes with Automated Rigging

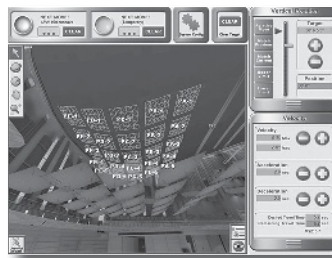
## SceneControl® Touch Screen Console

### Reliable, Versatile, Affordable

The SceneControl 500 uses 3D graphics to show your facility in a familiar manner. The displays are easily understood, giving the operator the ability to work confidently. Users can make simple manual moves for setup, or create cues with multiple items moving at different speeds and targets for dramatic effects.



The easy to understand graphics allow confident, intuitive operation of your automated rigging.

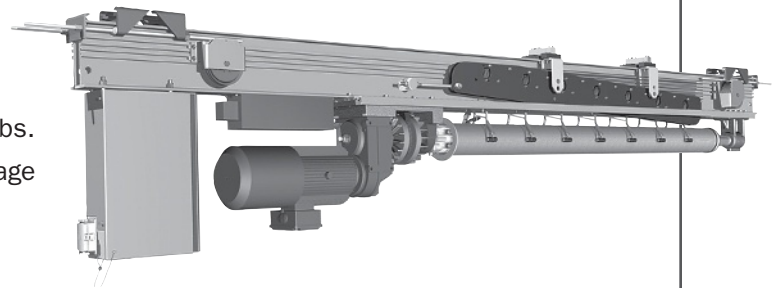


Previews of each action let you know what will happen before you press the “Go” button.

## PowerLift® Hoists

### Dependable, Economical, Quiet

- Speeds up to 180 fpm, capacities to 2000 lbs.
- Vertical or horizontal mounting, to fit your stage
- Maintenance access required



## Rigging Packages Available

To simplify the design and specification process, we offer several rigging packages. Each includes a stage layout, explanation of its benefits, and bill of materials. Basic AutoCAD drawings and a specification in CSI format are also available.

Join the list of  
thousands of J.R. Clancy  
motorized rigging users!

### School, University, and Regional Theatres

Alden Theatre, McLean, VA

Aurora Theatre, Lawrenceville, GA

George Mason University, Fairfax, VA

Mount Royal College, Calgary, Alberta

Canyon Crest Academy, San Diego, CA

Walter Johnson High School, Bethesda, MD

Booker T. Washington High School, Dallas, TX

Culbreth Theatre, University of Virginia,  
Charlottesville, VA

Glens Falls High School, Glens Falls, NY

Centennial Middle School, Provo, UT

### Professional Theatres

Music Center at Strathmore, North Bethesda, MD

Disney Cruise Lines

U.S. Naval Academy, Annapolis, MD

Teatro Mexico, Quito, Ecuador

Queen Elizabeth Theatre, Vancouver,  
British Columbia

Lyric Opera, Chicago, IL

Palacio Sarrea, Portimao, Portugal

Hanna Theatre, Cleveland, OH



## Experience

Since 1885, J.R. Clancy has been designing, manufacturing, and installing theatre equipment throughout the world.

We work on projects of every size, from high schools to major performing arts centers, cruise ships, and opera houses. In addition to rigging systems for schools, we manufacture fire curtain systems, acoustic shells, and custom systems to meet customer needs of all levels.

## Quality

We deliver results that are on time, on budget, and done right the first time through a company-wide dedication to your satisfaction. Meeting our customer's expectations has led us to develop a quality management system certified as meeting the rigorous ISO 9001:2000 standard. We're the only North American rigging manufacturer to make this commitment to you.

## Innovation

From the invention of the self closing fire curtain in 1904 and the development of modern counterweight rigging in the 1920's, to the introduction of the first standardized winch systems in the 1960's, J.R. Clancy has been the innovator in theatrical rigging systems. In 2006, our SceneControl® console and PowerLift® hoists brought affordable motorized rigging to schools and other theatres around the world. Our innovations are based on your needs melded with a over a century of experience and the largest stage equipment engineering department in the U.S.



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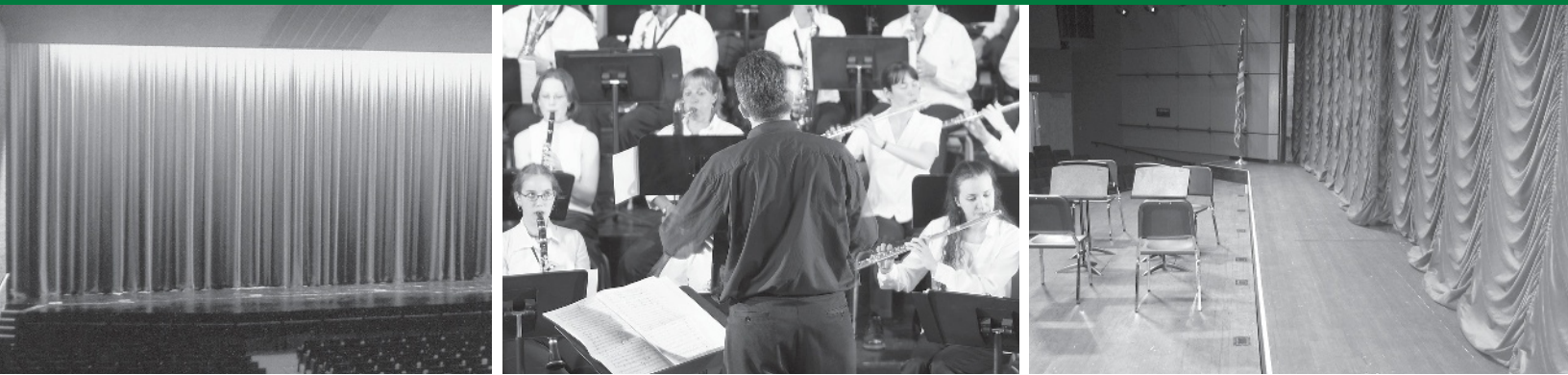
Toll Free: 1-800-836-1885

(315) 451-3440 ■ Fax: (315) 451-1766

rigging@jrclancy.com ■ www.jrclancy.com



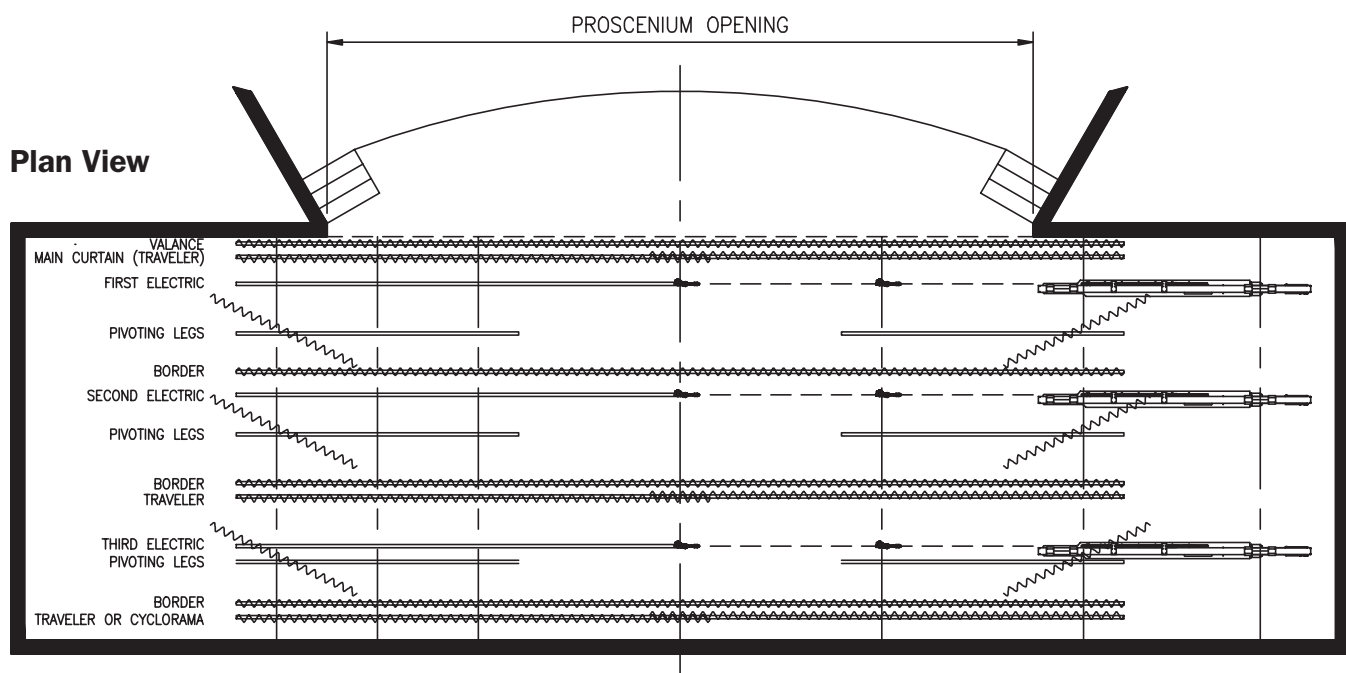
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# Middle School

## Theatrical Rigging Package

This package provides rigging equipment for a small proscenium stage that does not have a fly tower. This type of stage is typically part of a small auditorium or a mixed use space such as a cafetorium or gymnasium. It's ideal for lectures, choral or small band performances, skits, or class plays that do not require flown scenery.



## Features

- **Motorized lighting battens** allow the lighting down to floor level for maintenance and adjustment. Reduces or eliminates the need to climb ladders.
- **Dead hung battens** for curtains, including curtain tracks and pivots for leg curtains to accommodate different performance types.
- **Complete curtain package option available.**

## Bill of Materials

- 3 PowerLift® hoists, model O18-PO220, with 2,000 lbs. lifting capacity at 20 feet per minute (fpm). Provided complete with head block, loft blocks, lift lines with terminations, batten, UL Listed fixed speed starter.
- 1 Three channel, push button control station, with key operated On/Off switch and redundant E-Stop button.
- 7 Battens with suspension lines with fittings, including beam clamps.
- 3 Pairs of short battens for leg curtains.

## Options

### PowerLift Mounting

PowerLift hoists are shown mounted horizontally. They may also be mounted vertically on the stage walls, which may reduce costs.

### Optional Curtain Package

- Main bi-parting traveler curtain with valance, in your choice of standard colors.
- 2 Bi-parting traveler curtains, located mid-stage and at the rear of the stage. A cyclorama can be substituted for the rear stage traveler at a slight premium.
- 3 Border curtains.
- 3 Pairs of leg curtains.

### Lighting Package

We'll work with you to develop a sensible lighting package to meet your technical requirements and budget.

### Front of House Lighting Hoist

A front of house lighting position, over the audience, is essential. If it is not possible to put a catwalk at this position, we can provide a motorized hoist to lower the lighting equipment into the audience area for maintenance and adjustment.

## Set Schedule

SET	OFFSET	FUNCTION	NOTES
1	6"	Valence	Dead Hung
2	1'	Main Curtain	Dead Hung with Track
3	2'	1st Electric	PowerLift Hoist, 2,000 lbs, 20 fpm
4	4'	Pivoting Legs	Dead Hung
5	6'	Border	Dead Hung
6	7'	2nd Electric	PowerLift Hoist, 2,000 lbs, 20 fpm
7	9'	Pivoting Legs	Dead Hung
8	11'	Border	Dead Hung
9	12'	Traveler	Dead Hung with Track
10	14'	3rd Electric	PowerLift Hoist, 2,000 lbs, 20 fpm
11	15'	Pivoting Legs	Dead Hung
12	17'	Border	Dead Hung
13	18'	Cyclorama	Dead Hung

## Customization

The drawings and set schedule shown are typical arrangements. Your J.R. Clancy representative can work with you to customize this package to meet your specific needs.

## Access

A maintenance gallery or other access means is required for annual inspection and maintenance of the PowerLifts.

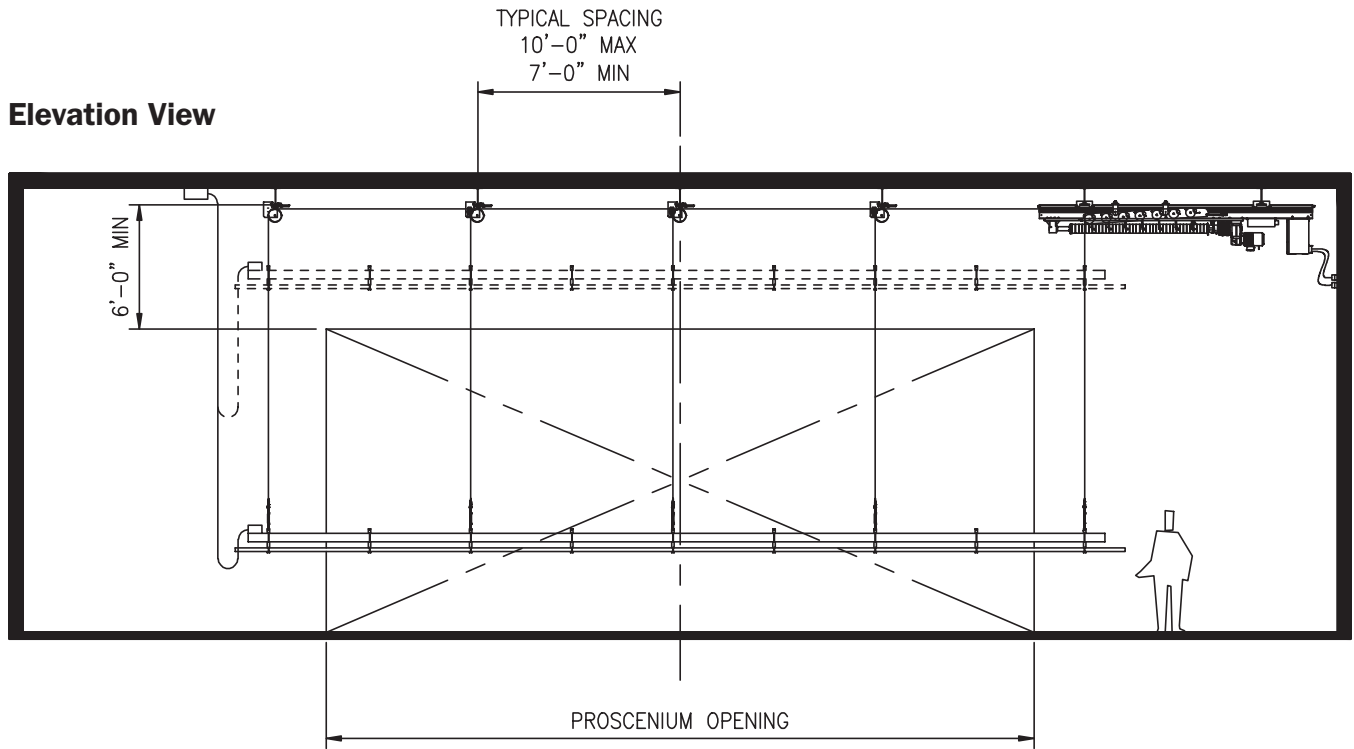
## More Information

Complete specifications are available in CSI format. A plan, section, and elevation are available in AutoCAD dwg format.

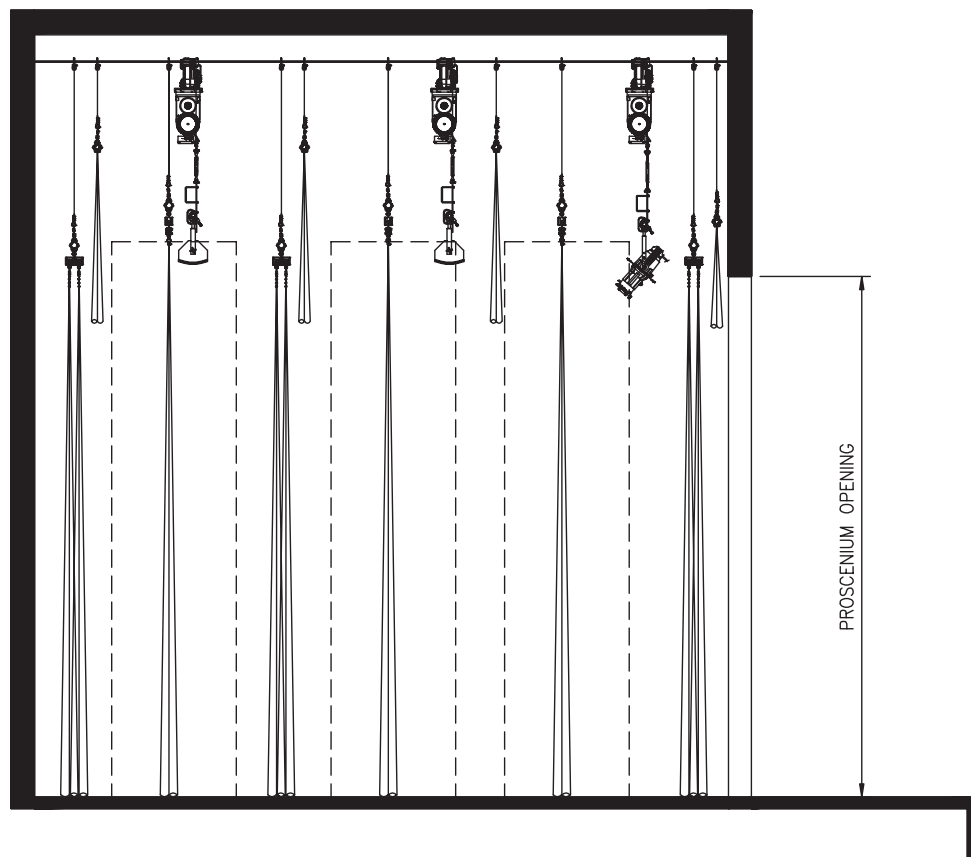
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For budgets, detailed electrical risers, and other information please call 1-800-836-1885 or email us at [rigging@jrclancy.com](mailto:rigging@jrclancy.com).

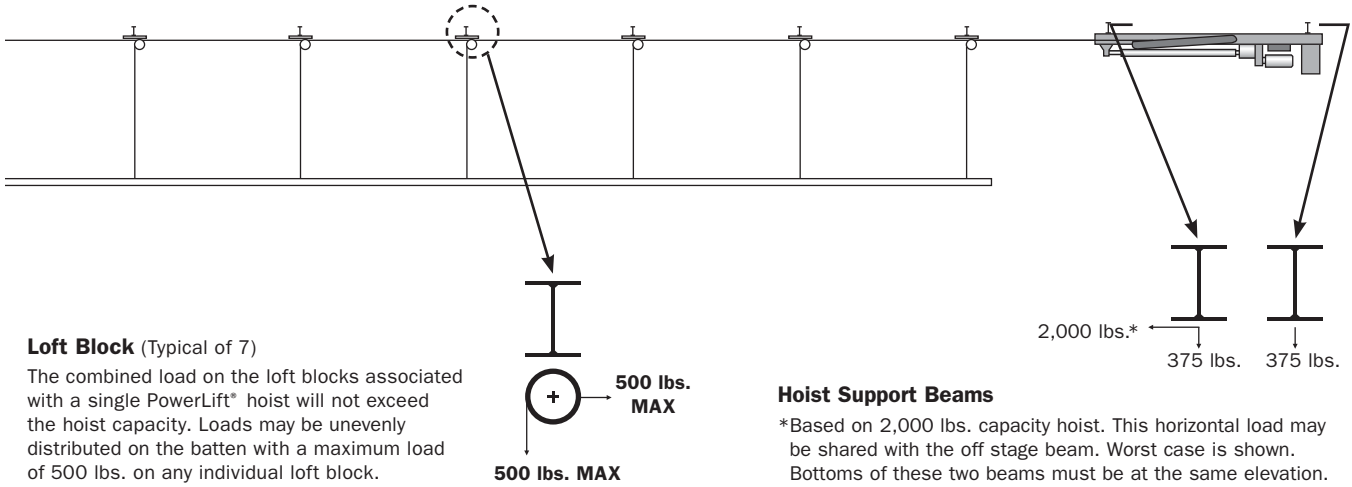
Elevation View



Section View

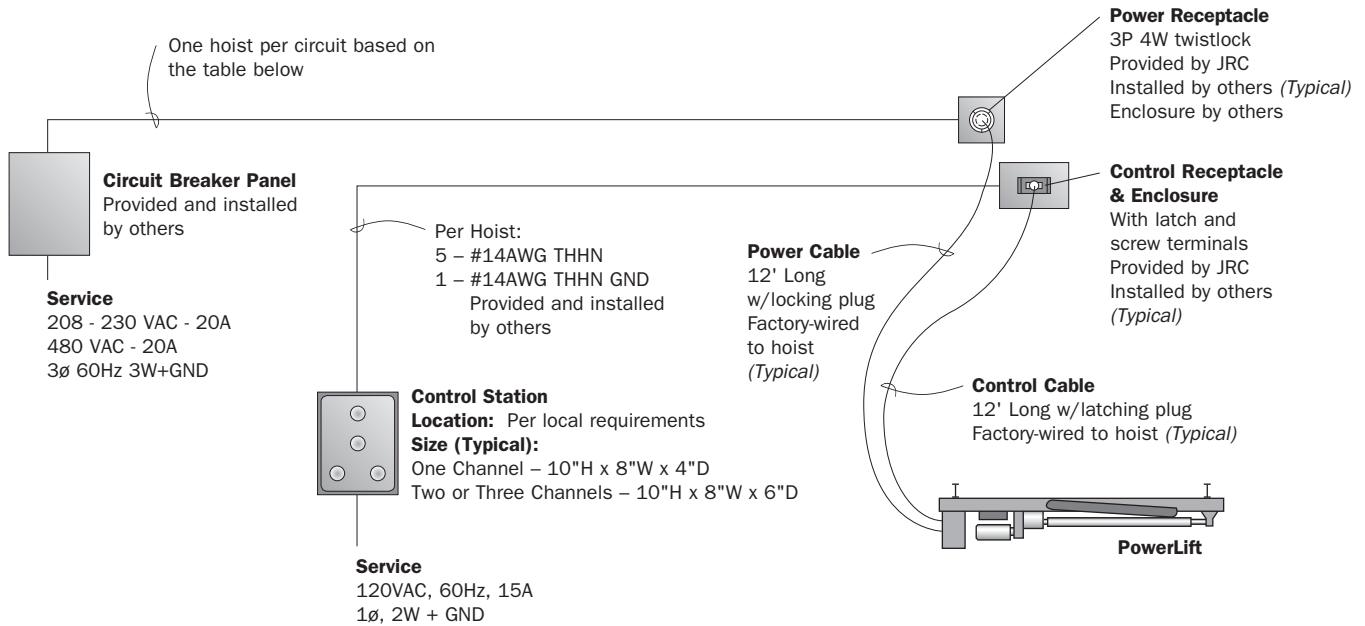


## Structural Loading

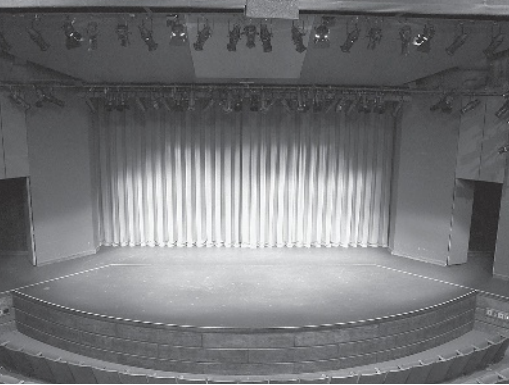


## PowerLift with Push Button Control One Line Riser — Typical

This drawing is for planning purposes. A project specific electrical drawing will be provided on request.

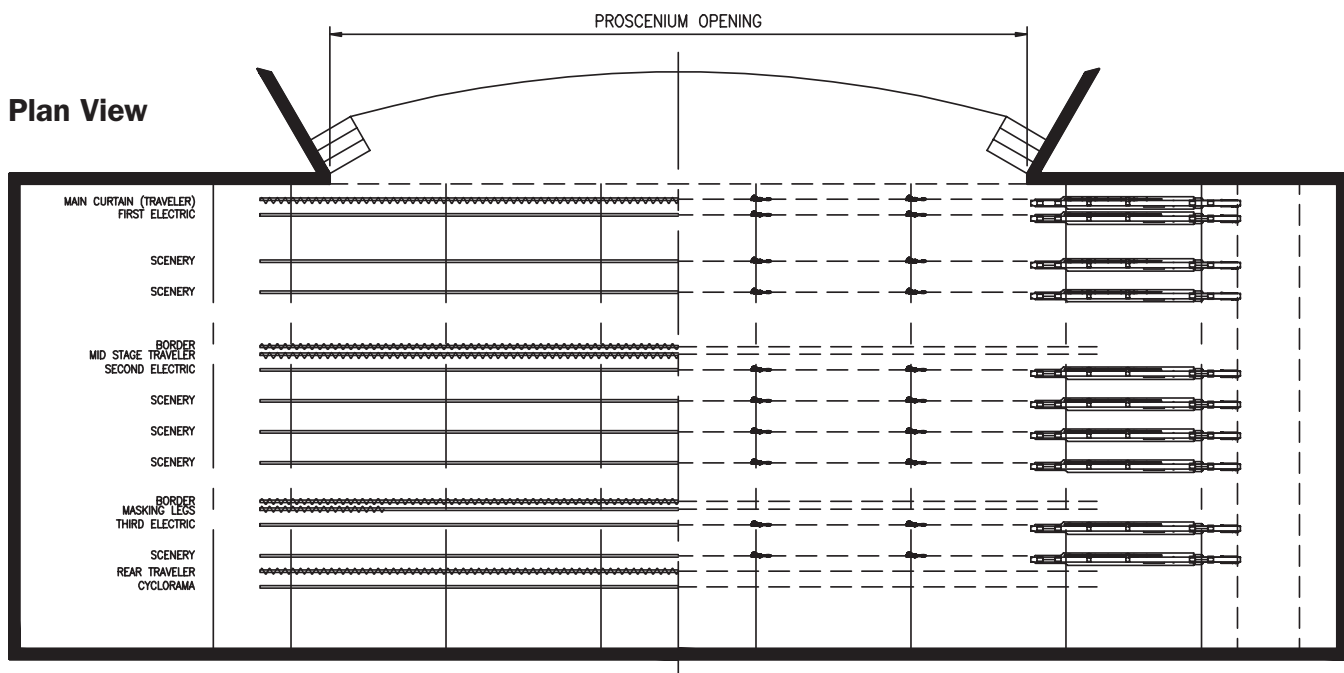


ELECTRICAL REQUIREMENTS					
MODEL	SPEED, CAPACITY	HP	CURRENT DRAW		
			208 V	220 - 240 V	440 - 480 V
018-P0220	20 fpm, 2,000 lbs.	1.5	5.3 A	4.8 A	2.4 A



# High School – Standard Theatrical Rigging Package

This package provides rigging equipment for a high school stage with a fly tower. The fly tower and rigging allows scenery to be “flown” in and out of the view of the audience to create scene changes. This package is ideal for plays, choral and band performances.





## Features

- **Motorized lighting battens** allow the lighting to be brought down to floor level for maintenance and adjustment. Motorized rigging reduces or eliminates the need to climb ladders.
- **Variable speed motorized sets** are provided for the main curtain and six scenery sets.
- **Dead hung battens** are provided for curtains, including curtain tracks.
- **All hoists are ETL Listed.**
- **User-friendly control console** allows you to create, modify, and play back scenery movements simply and accurately.

## Design Concept

This theatrical rigging system provides the necessary mix of lighting hoists, scenery hoists, and dead hung curtains, for a versatile performance stage.

Your scenery sets and the main curtain will have variable speed hoists, with position control. The speed range of 0–120 feet per minute (fpm) lets you make moves that can be subtle or dramatic, as required for your performances. The main curtain can open horizontally (by hand) or fly in and out vertically.

Low speed (0-20 fpm) hoists provide access to your lighting equipment to replace lamps, change colored gels, and for general maintenance.

The dead hung sets support your curtains. Bi-parting curtains are used to open or hide the stage, and control the width of the stage opening. The mid-stage and rear stage curtains allow you to change the depth of the stage. The valence and border curtains hide the curtain tracks and lighting equipment from audience view. Leg curtains restrict the audience's view of the backstage area.

A SceneControl® 300 has a 12" color touch screen, with easily understood graphics. The console lets you create, modify, and play back 48 cues controlling the speed and position of the PowerLift® hoists. The controller is built using reliable, industrial components for dependable operation. A key operated On/Off switch is provided to limit unauthorized use.

You'll need to provide a maintenance catwalk for access to the PowerLift hoists for maintenance and inspection.

## Bill of Materials

- 3 PowerLift hoists, model 018-P0220F, with 2,000 lbs. lifting capacity at 0-20 fpm. Provided complete with head block, loft blocks, lift lines with terminations, batten, and fixed speed starter.
- 8 PowerLift hoists, model 018-P1212V, with 1,200 lbs. lifting capacity at 0–120 fpm. Provided complete with head block, loft blocks, lift lines with terminations, batten, and variable speed vector drive.
- 1 SceneControl 300 controller, with 12" color video screen, providing 48 cues. Includes key operated On/Off switch and redundant E-Stop button.
- 7 Batten with suspension lines with fittings, including beam clamps.
- 3 Curtain tracks for bi-parting operation, with a 3' overlap at center.

## Set Schedule

SET	OFFSET	FUNCTION	NOTES
1	6"	Valence	Dead Hung
2	1'	Main Curtain	PowerLift Hoist, 1,200 lbs, 0–120 fpm, with Track
3	2'	1st Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
4	4'	Legs	PowerLift Hoist, 1,200 lbs, 0–120 fpm
5	6'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
6	8'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
7	9'-6"	Border	Dead Hung
8	10'	Traveler	Dead Hung, with Track
9	11'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
10	13'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
11	15'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
12	17'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
13	19'	Border	Dead Hung
14	19'-6"	Legs	Dead Hung
15	21'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
16	23'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
17	24'	Traveler	Dead Hung with Track
18	25'	Cyclorama	Dead Hung

## Options

### PowerLift Mounting

PowerLift hoists are shown mounted horizontally. They may also be mounted vertically on the stage walls, which may reduce costs.

### Optional Curtain Package

- Main bi-parting traveler curtain with valance, in your choice of standard colors.
- 3 Bi-parting traveler curtains, located mid-stage and at the rear of the stage. A cyclorama can be substituted for the rear stage traveler at a slight premium.
- 3 Border curtains and 3 pairs of leg curtains.

### Optional Lighting Package

We'll work with you to develop a sensible lighting package to meet your technical requirements and budget.

### Front of House Lighting Hoist Option

A front of house lighting position, over the audience, is essential. If it is not possible to put a catwalk at this position, we can provide a motorized hoist to lower the lighting equipment into the auditorium for maintenance and adjustment.

## Electrical Requirements

See back page for electrical requirements.

## Customization

The drawings and set schedule shown are typical arrangements. Your J.R. Clancy representative can work with you to customize this package to meet your specific needs.

## Access

A maintenance gallery or other access means is required for annual inspection and maintenance of the PowerLifts.

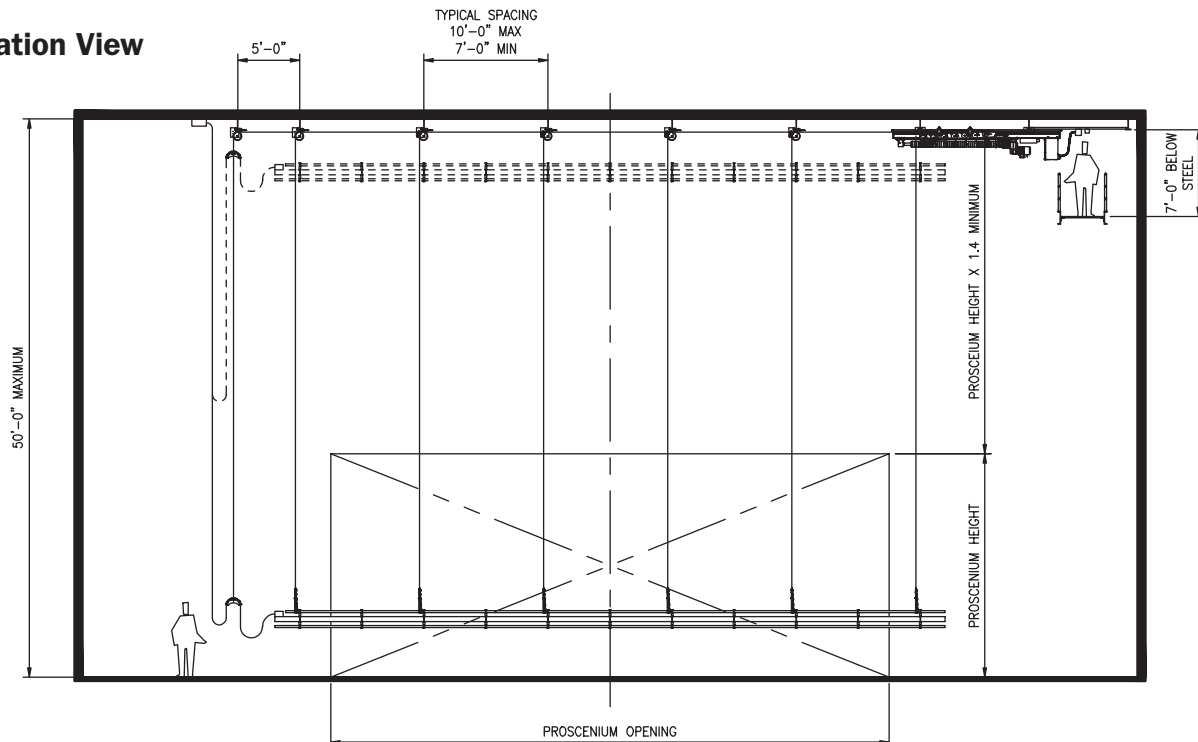
## More Information

Complete specifications are available in CSI format. A plan, section, and elevation are available in AutoCAD dwg format.

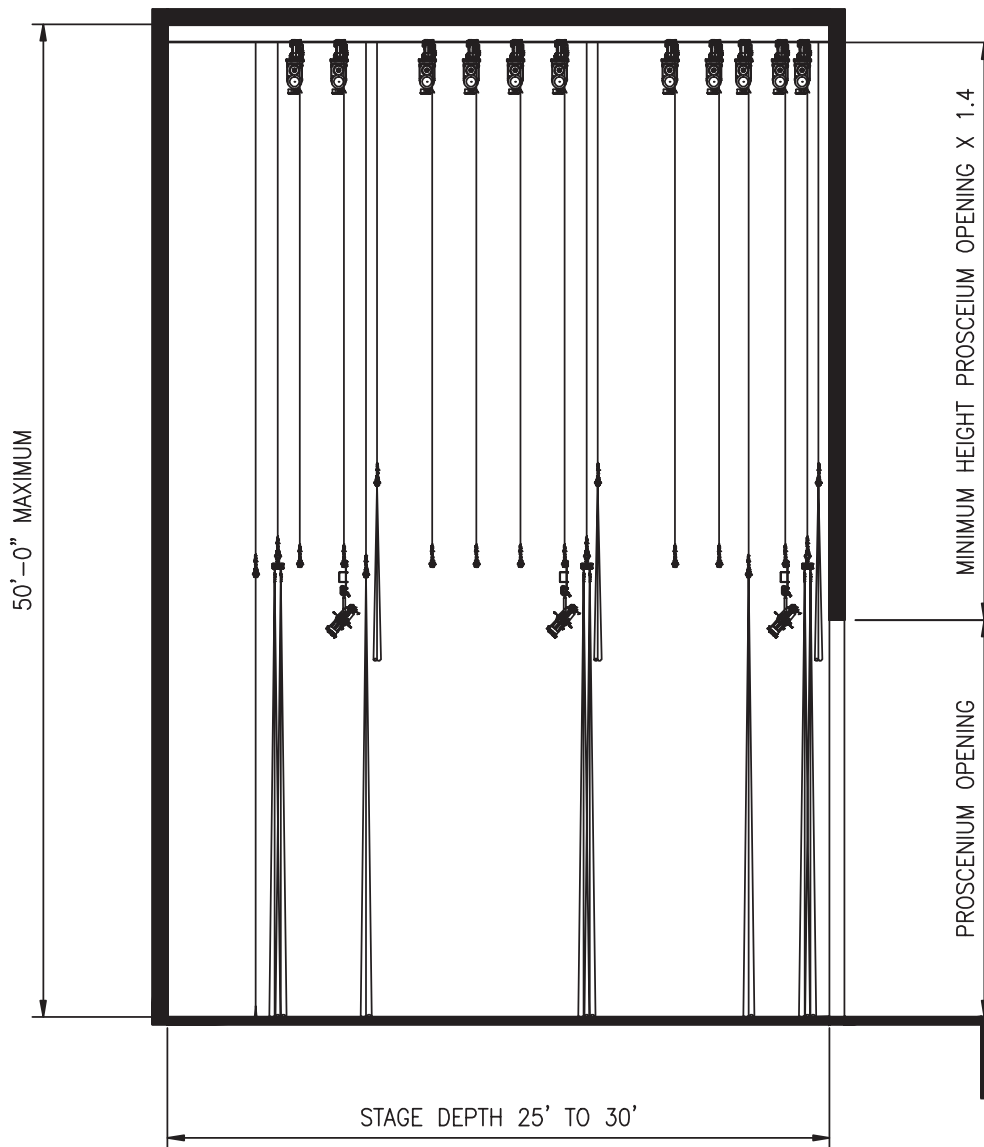
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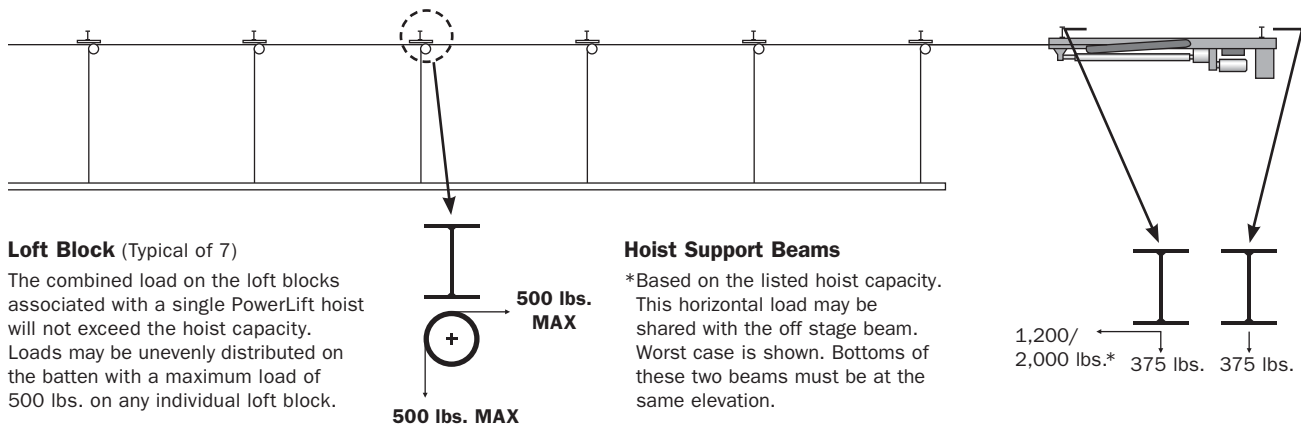
### Elevation View



Section View

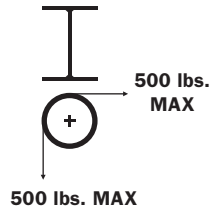


Structural Loading



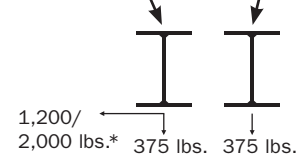
**Loft Block** (Typical of 7)

The combined load on the loft blocks associated with a single PowerLift hoist will not exceed the hoist capacity. Loads may be unevenly distributed on the batten with a maximum load of 500 lbs. on any individual loft block.



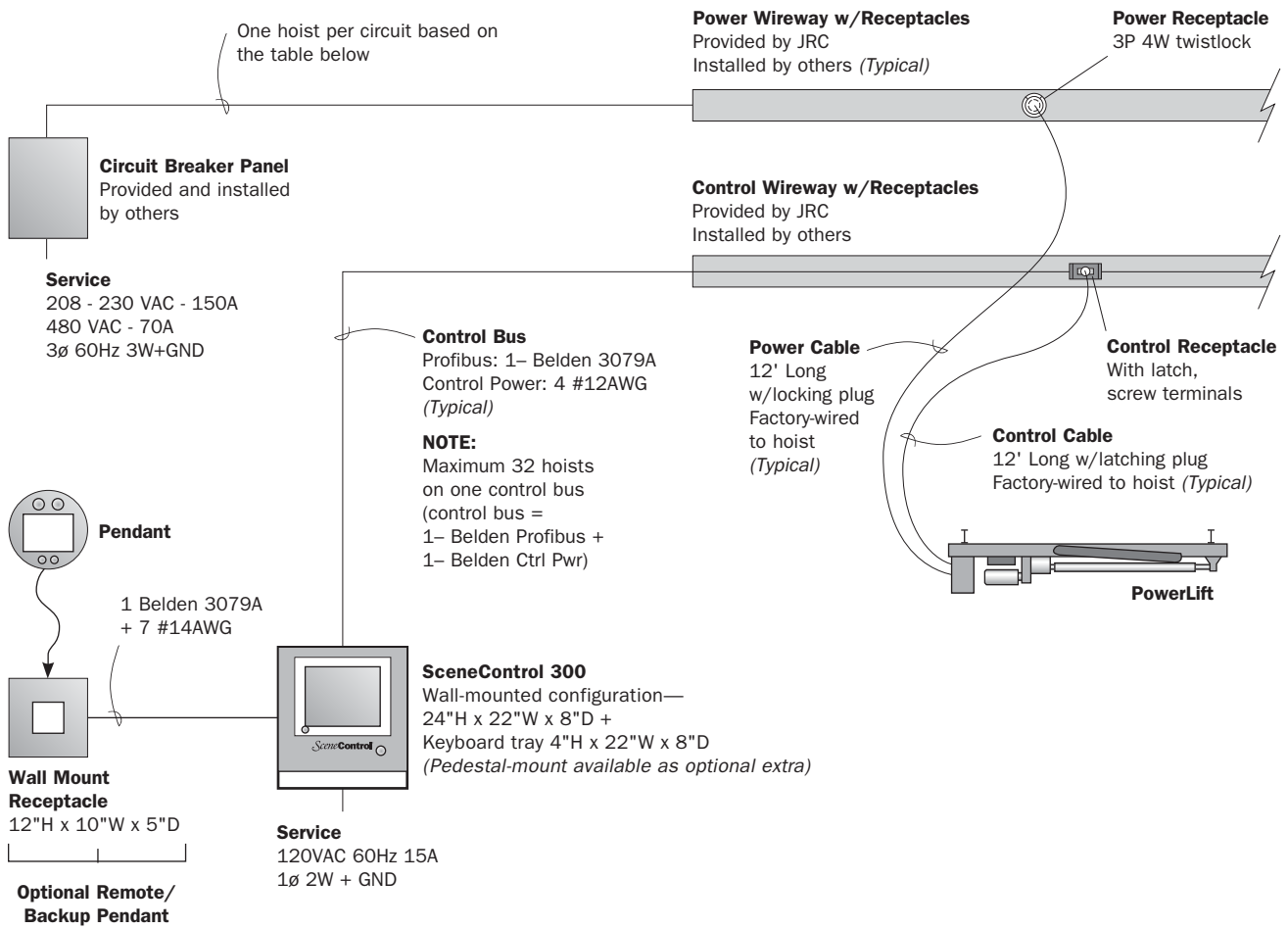
**Hoist Support Beams**

\*Based on the listed hoist capacity. This horizontal load may be shared with the off stage beam. Worst case is shown. Bottoms of these two beams must be at the same elevation.



## PowerLift®/SceneControl® One Line Riser — Typical

This drawing is for planning purposes. A project specific electrical drawing will be provided on request.



ELECTRICAL REQUIREMENTS					
MODEL	SPEED, CAPACITY	HP	CURRENT DRAW		
			208 V	220 - 240 V	440 - 480 V
018-P0220F	0-20 fpm, 2,000 lbs.	1.5	5.3 A	4.8 A	2.4 A
018-P1212V	0-120 fpm, 1,200 lbs.	5	15 A	13.7 A	6.8 A

Join the list of  
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#### **School, University, and Regional Theatres**

Alden Theatre, McLean, VA

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Mount Royal College, Calgary, Alberta

Canyon Crest Academy, San Diego, CA

Walter Johnson High School, Bethesda, MD

Booker T. Washington High School, Dallas, TX

Culbreth Theatre, University of Virginia,  
Charlottesville, VA

Glens Falls High School, Glens Falls, NY

Centennial Middle School, Provo, UT

#### **Professional Theatres**

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Disney Cruise Lines

U.S. Naval Academy, Annapolis, MD

Teatro Mexico, Quito, Ecuador

Queen Elizabeth Theatre, Vancouver,  
British Columbia

Lyric Opera, Chicago, IL

Palacio Sarrea, Portimao, Portugal

## Experience

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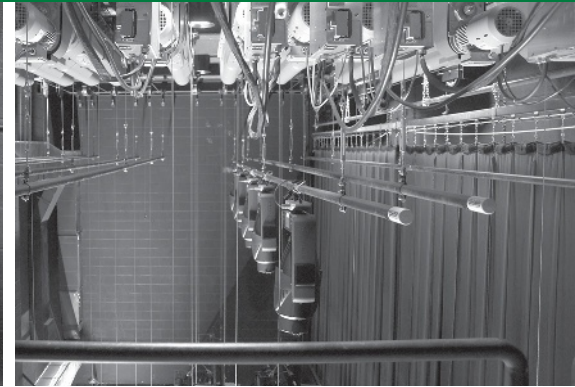
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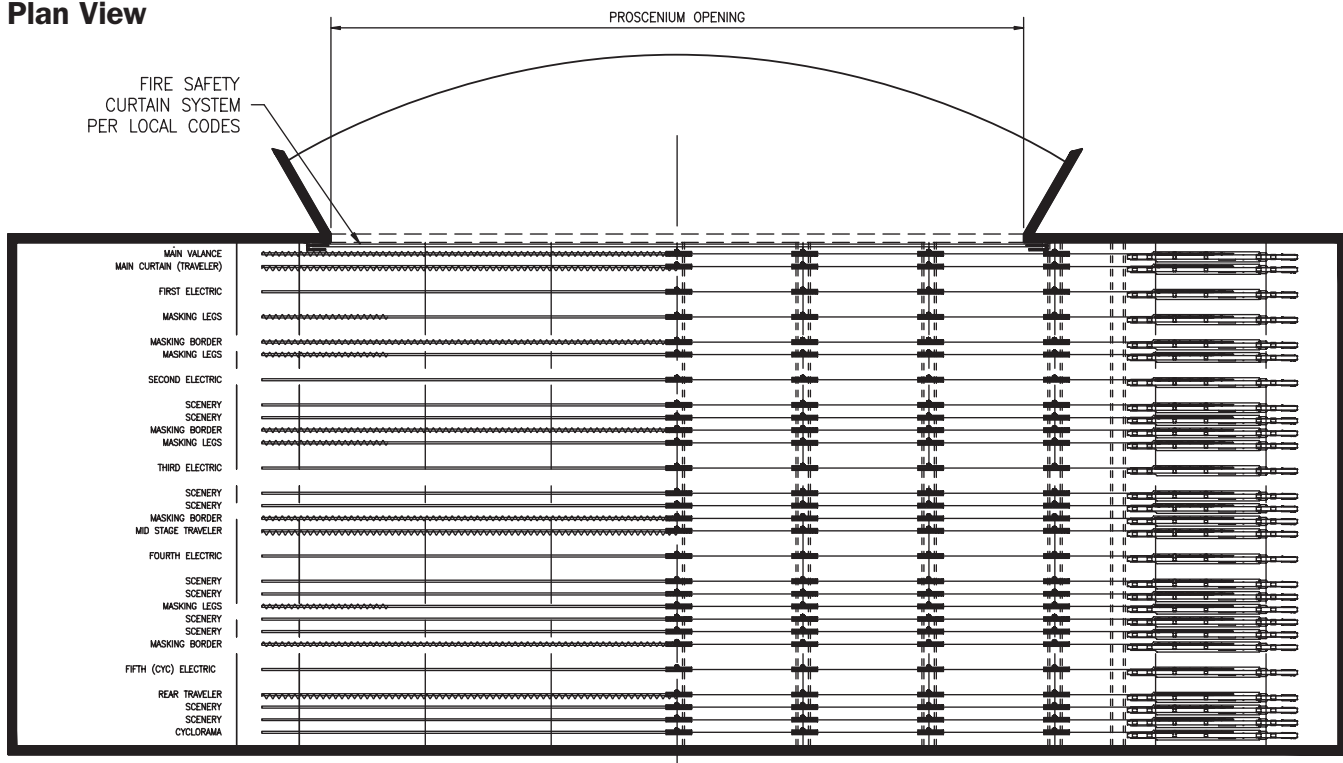


# High School – Performance

## Theatrical Rigging Package

This package is ideal for the high school with an active performance program. If your productions have multiple scene changes and you want to create dramatic effects with flown scenery, this package is for you. This rigging system will support your musicals, plays, as well as choral and music performances.

### Plan View



## Features

- **Five motorized lighting battens** allow the theatrical lighting to be brought down to floor level for maintenance and adjustment. Motorized rigging reduces or eliminates the need to climb ladders.
- **Variable speed motorized sets** are provided for the main curtain and ten scenery sets.
- **Masking drapes and curtain tracks** are raised and lowered by fixed speed hoists.
- **All hoists are ETL Listed.**
- **User-friendly control console** allows you to create, modify, and play back scenery movements simply and accurately.

## Design Concept

This theatrical rigging system includes a mix of lighting hoists, scenery hoists, and curtain hoists for a versatile performance stage.

Your scenery sets and the main curtain will have variable speed hoists, with position control. The speed range of 0–120 feet per minute (fpm) lets you make moves that can be subtle or dramatic, as required for your performances. The main curtain can open horizontally (by hand) or fly in and out vertically.

Low speed (0-20 fpm) hoists provide access to your lighting equipment to replace lamps, change colored gels, and for general maintenance. Hoists are also provided for your curtains and tracks, so that you can lift curtains out of the way for cleanup or bring them to floor level for adjustments and cleaning.

Bi-parting curtains are used to open or hide the stage, and control the width of the stage opening. The mid-stage and rear stage curtains allow you to change the depth of the stage. The valence and border curtains hide the curtain tracks and lighting equipment from audience view. Leg curtains restrict the audience’s view of the backstage area.

The innovative SceneControl® 500 provides easy operation and the ability to create dramatic scenery movements. The console shows **your** stage in realistic 3D graphics. Operators will immediately understand the status of the rigging, as it’s presented in clear, familiar manner.

The controller is built using reliable, industrial components for dependable operation. Of course, the controller has a key operated On/Off switch to restrict unauthorized use.

You’ll need to provide a maintenance catwalk for access to the PowerLift® hoists for maintenance and inspection.

## Set Schedule

SET	OFFSET	FUNCTION	NOTES
0	0'	Fire Curtain	Optional – May be required by code
1	1'	Valence	Dead Hung
2	2'	Main Curtain	PowerLift Hoist, 1,200 lbs, 0–120 fpm, with Track
3	4'	1st Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
4	6'	Legs	PowerLift Hoist, 2,000 lbs, 0–20 fpm
5	8'	Border	PowerLift Hoist, 2,000 lbs, 0–20 fpm
6	9'	Legs	PowerLift Hoist, 2,000 lbs, 0–20 fpm
7	11'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
8	13'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
9	14'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
10	15'	Border	PowerLift Hoist, 2,000 lbs, 0–20 fpm
11	16'	Legs	PowerLift Hoist, 2,000 lbs, 0–20 fpm
12	18'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
13	20'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
14	21'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
15	22'	Border	PowerLift Hoist, 2,000 lbs, 0–20 fpm
16	23'	Traveler	PowerLift Hoist, 2,000 lbs, 0–20 fpm, with Track
17	25'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
18	27'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
19	28'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
20	29'	Legs	PowerLift Hoist, 2,000 lbs, 0–20 fpm
21	30'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
22	31'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
23	32'	Border	PowerLift Hoist, 2,000 lbs, 0–20 fpm
24	34'	Electric	PowerLift Hoist, 2,000 lbs, 0–20 fpm
25	36'	Traveler	PowerLift Hoist, 2,000 lbs, 0–20 fpm, with Track
26	37'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
27	38'	Scenery Set	PowerLift Hoist, 1,200 lbs, 0–120 fpm
28	39'	Cyclorama	PowerLift Hoist, 2,000 lbs, 0–20 fpm

## Bill of Materials

- 16 PowerLift hoists, model 018-PO220F, with 2,000 lbs. lifting capacity at 0-20 fpm. Provided complete with head block, loft blocks, lift lines with terminations, batten, and fixed speed starter.
- 11 PowerLift hoists, model 018-P1212V, with 1,200 lbs. lifting capacity at 0-120 fpm. Provided complete with head block, loft blocks, lift lines with terminations, batten, and vector drive.
- 1 SceneControl 500 console with 15" color touch screen, custom 3D graphics of your stage, and two playbacks. Each hoist in a cue can have its own speed and target, so that you can build the dramatic effects you want. A key operated On/Off switch and redundant E-Stop button for safety.
- 1 Battens with suspension lines with fittings, including beam clamps.
- 3 Curtain tracks for bi-parting operation, with a 3' overlap at center.

## Options

### PowerLift Mounting

PowerLift hoists are shown mounted horizontally. They may also be mounted vertically on the stage walls, which may reduce costs.

### Fire Safety Curtain

A code compliant fire safety curtain can be provided. Let us know which building code applies in your area.

### Curtain Package

- Main bi-parting traveler curtain with valance, in your choice of standard colors.
- 2 Bi-parting traveler curtains, one at mid-stage and the other at the rear of the stage. A cyclorama can be substituted for the rear stage traveler for a slight premium.
- 4 Border curtains.
- 4 Pairs of leg curtains.

### Lighting Package

We'll work with you to develop a sensible lighting package to meet your technical requirements and budget.

### Front of House Lighting Hoist

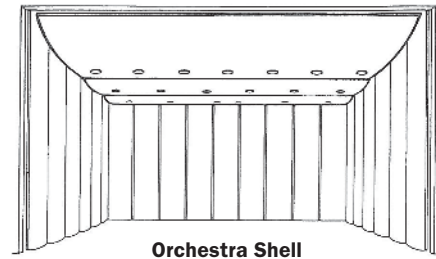
A front of house lighting position, over the audience, is essential. If it is not possible to put a catwalk at this position, we can provide a motorized hoist to lower the lighting equipment into the auditorium for maintenance and adjustment.

### Orchestra Pit Lift

For maximum flexibility, a pit lift lets you reconfigure your auditorium. The lift platform moves from the stage level (forming an extended stage area, to the audience level) providing additional seating areas, or below the floor to create an orchestra pit.

### Orchestra Shell

An orchestra shell consisting of towers and ceiling panels will improve orchestral and choral performances by focusing the sound toward the audience.



## Customization

The drawings and set schedule shown are typical arrangements. Your J.R. Clancy representative can work with you to customize this package to meet your specific needs.

## Electrical Requirements

See back page for electrical requirements.

## Access

A maintenance gallery or other access means is required for annual inspection and maintenance of the PowerLifts.

## More Information

Complete specifications are available in CSI format. A plan, section, and elevation are available in AutoCAD dwg format.

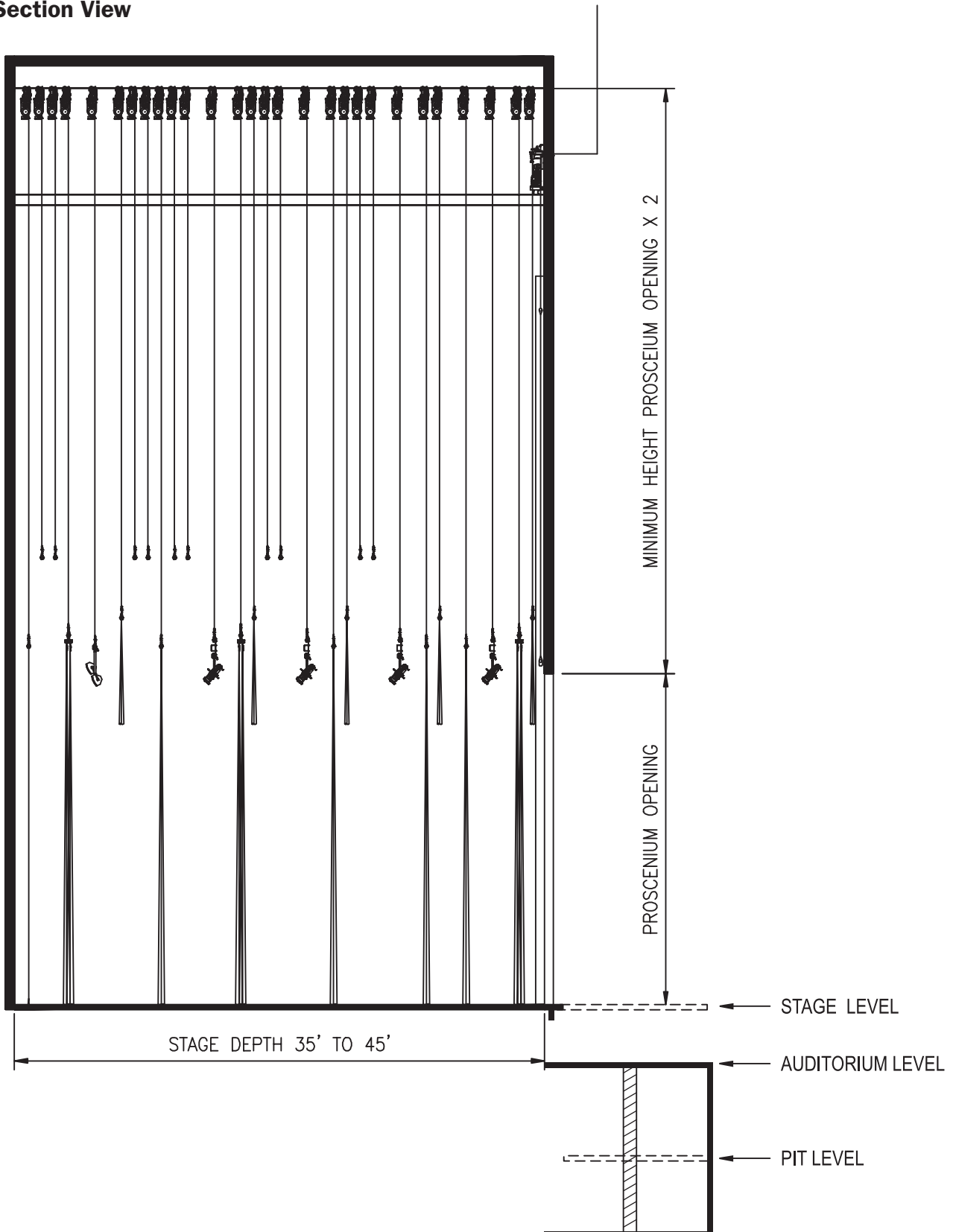
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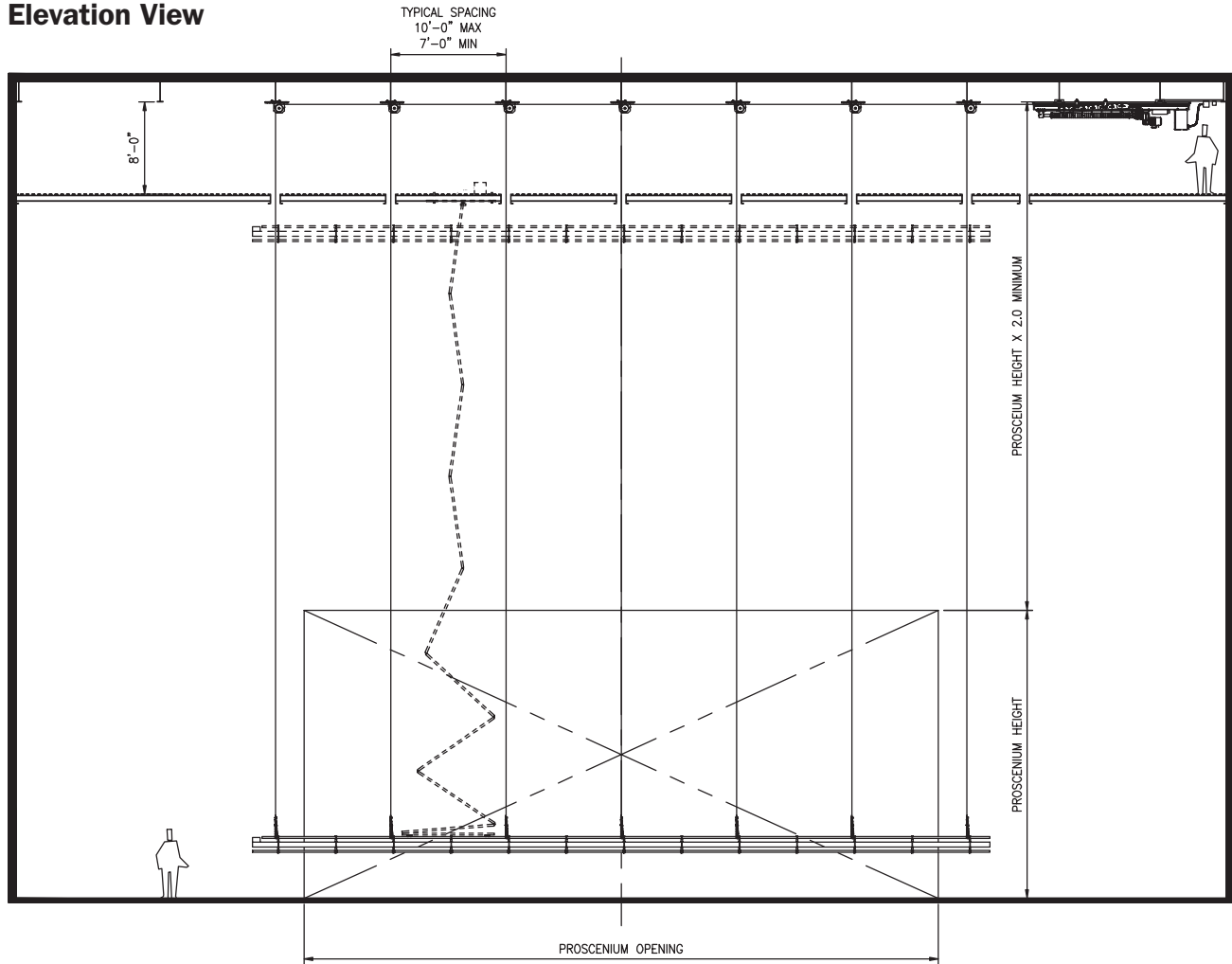


Section View

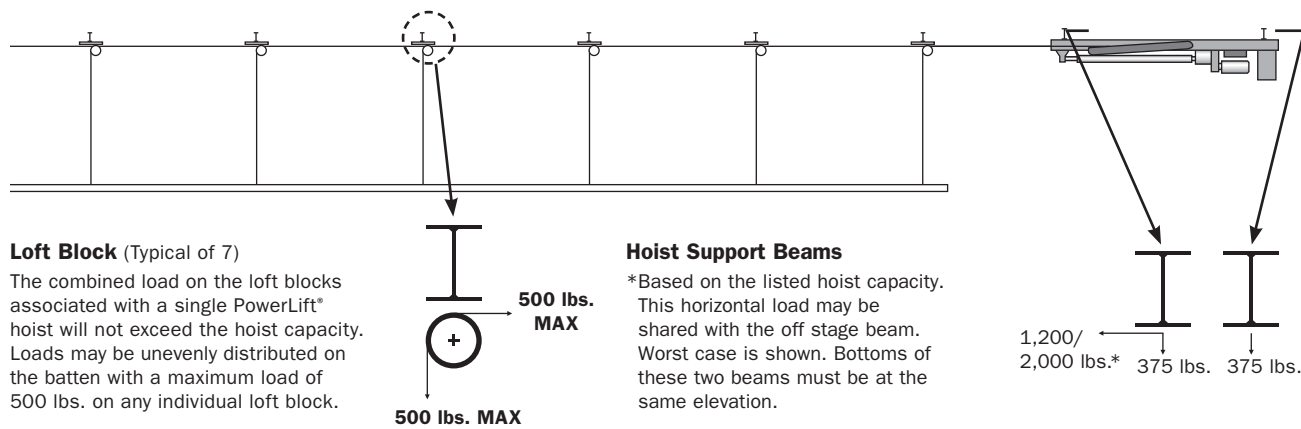
FIRE SAFETY CURTAIN  
SYSTEM PER LOCAL CODES



### Elevation View

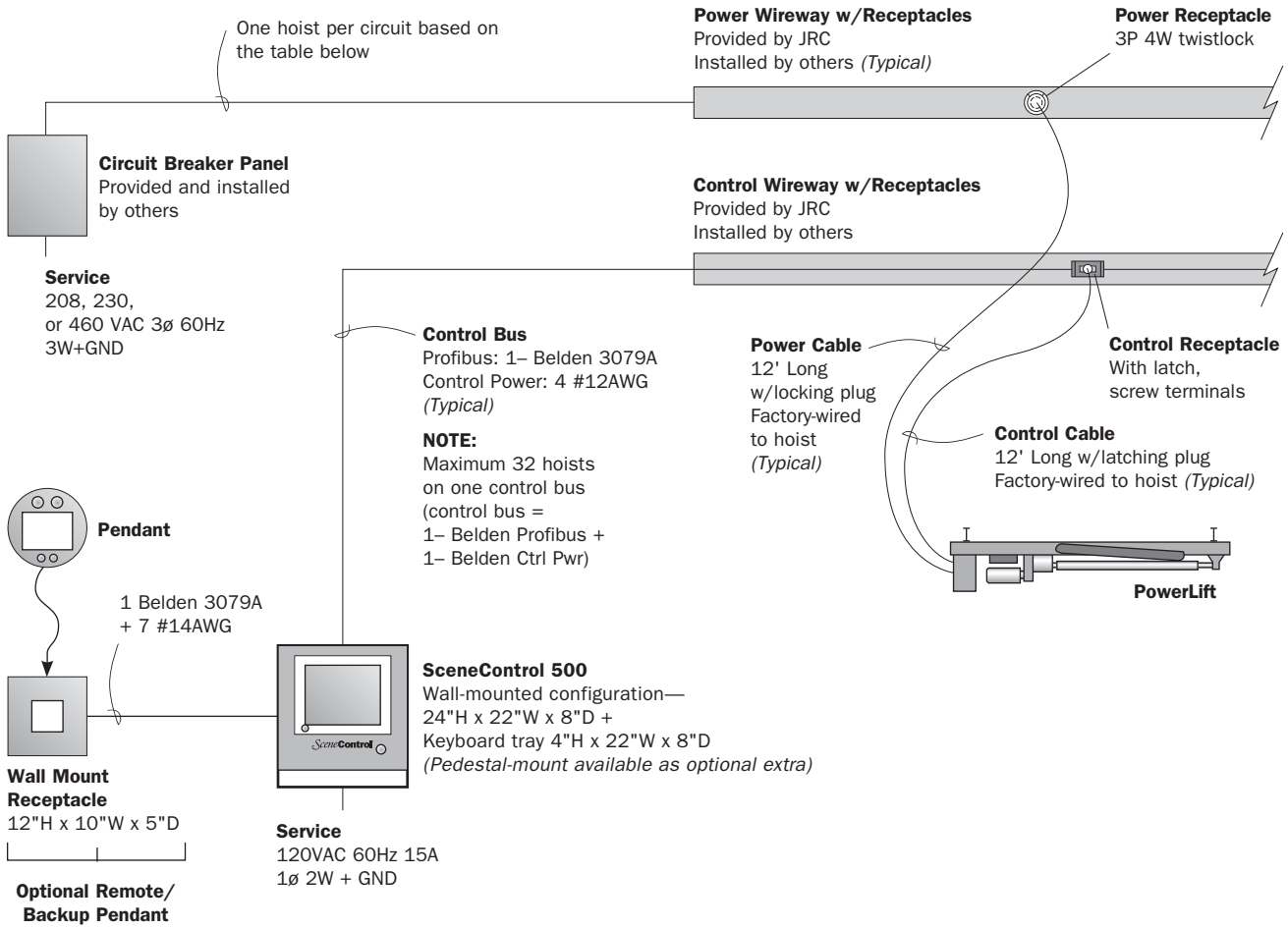


### Structural Loading



## PowerLift®/SceneControl® One Line Riser — Typical

This drawing is for planning purposes. A project specific electrical drawing will be provided on request.



ELECTRICAL REQUIREMENTS					
MODEL	SPEED, CAPACITY	HP	CURRENT DRAW		
			208 V	220 - 240 V	440 - 480 V
018-P0220F	0-20 fpm, 2,000 lbs.	1.5	5.3 A	4.8 A	2.4 A
018-P1212V	0-120 fpm, 1,200 lbs.	5	15 A	13.7 A	6.8 A



## General Information

The perfect automation controller for your high school or small theatre where a single playback is required. The Altus motorized rigging control system offers accurate position control of fixed or variable speed rigging hoists. The 12" color touch screen makes operation clear and simple. Users can operate hoists by "eye" or set a specific target position. With variable speed hoists the operator may also specify the hoist operating speed, acceleration time, deceleration time, and the duration of the move.

## Applications

- High Schools
- Community Theatres
- Houses of Worship

## Features

- Up to 48 control channels
- 200 cues per show, four shows can be held in internal memory
- Controls all types of motorized theatrical stage equipment, including:
  - PowerLift® hoists
  - Fixed and variable speed hoists, including line shafts, drum hoists, and others
  - Motorized curtains
  - Acoustic ceilings and panels

## Ordering Information

Model	Description
050-ALTUS	With options for wall mount, pedestal, or tabletop use
050-ALTUSP	Pendant

## Displays

**12" Color** industrial grade touch screen display.

**Position** shows current and target positions; positions may be set numerically, as a relative move, match current, upper limit, or lower limit.

**Velocity Window** – Speed may be selected as a velocity, a percentage of full speed, as a travel time, or a default value. Acceleration and deceleration rates may also be selected.

**Cue Sequencing** with "Auto Load" and "Auto Follow" functions. "Auto Follow" allows cues to follow the selected time after the start or completion of the current cue or preset.

**Cue Page** allows creation, deletion, copying, sequencing and renaming of cues.

**Show Page** allows creation, changing, and saving shows.

**Edit Motors** provides motor status and cumulative running time for troubleshooting and maintenance.

**Change Display Units** allows selection of meters, millimeters, decimal feet, inches, or feet and inches.

**Load Monitoring** (requires hoists with load monitoring option) – Stops motion in case of an overload or underload. The load monitoring system accommodates changing loads, such as the weight of borderlight cable which changes with elevation, without false tripping.

**Log In / Log Out Page** allows selection of user or system levels and entry of passwords.

## Controls

- Up/Down buttons for direct control of sets
- "Go Target" function
- Joystick for speed override of variable speed sets
- Control modes:
  - **"Deadman" Operation** – Up/Down buttons for direct control of sets
  - **Single Target Operation** – Move to specific target
  - **Preset Operation** – Move multiple sets to multiple targets, as defined in the preset

### Safety & Reliability

- Motion is controlled from “Deadman” push buttons and joysticks, not from the touch screen.
- “EMERGENCY STOP” button, utilizing a failsafe circuit conforming to NPFA 79 “Electrical Standard for Industrial Machinery” requirements, is hard wired to starters and drives.
- An “ON/OFF” key operated switch controls power to the console, motor starters and drives.
- All hardware components are industrial grade equipment selected for long term reliability in a typical theatre environment with wide temperature variations, dirt, and electromagnetic interference. Components are widely available on an international basis to ensure ease of replacement and maintenance.
- The control system uses a Programmable Logic Controller (PLC) to control and monitor all motion.
- A “service” indicator is provided to indicate when routine service and inspection of the rigging system is required.

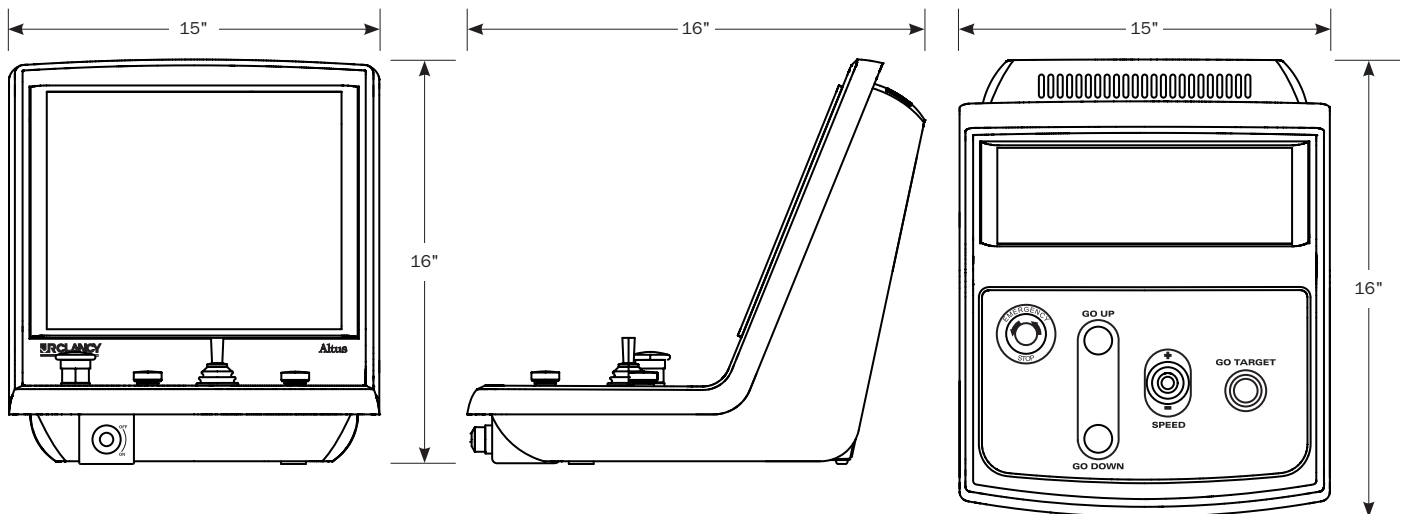
### System Support

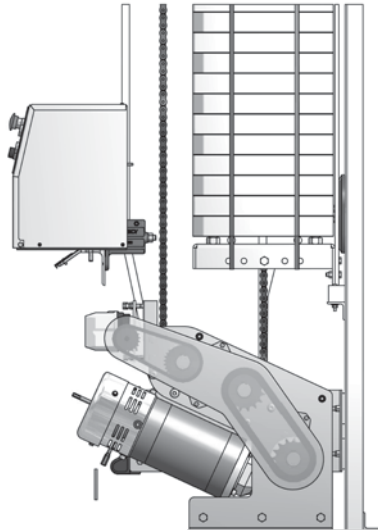
- System turn-on and user training will be performed by a factory authorized and trained technician.
- Any general system software upgrades will be provided at no charge for a period of 18 months from the time of system turn-on.
- Annual inspection and maintenance of any rigging system is essential.

**Note:** Time and speed functions are available with variable speed hoists only.

For a full product specification visit [www.jrclancy.com](http://www.jrclancy.com).

### Dimensions





## General

A compact fixed speed hoist that automates a new or existing counterweight rigging set. The hoist and counterweight work together, allowing the set to carry any load from none to the rated capacity without the need to adjust counterweights.

## Applications

Most theatres in North America use manually operated counterweighted rigging sets. These use an arbor to hold weights that balance the load (lighting equipment, curtains, scenery, etc.) on the batten. In order to operate safely, the load and the counterweight must be equal.

In order to keep the set in balance, the counterweight must be adjusted every time the load changes. This may be frequent, and generally requires adjusting the counterweight from an elevated loading gallery. Failure to keep the sets in balance may result in “runaways” or accidents.

The PowerAssist hoist, working with the counterweight arbor, carries the out-of-balance load. This is particularly helpful on high capacity sets with changing loads, such as lighting sets, removable orchestra shell ceilings, and scenery battens. Use of the PowerAssist eliminates the need for staff and students to balance sets, climb to the loading gallery, and reduces risk backstage.

Units are available for use with both single and double purchase sets. When used with double purchase sets the arbor and head block must be replaced to accommodate the drive chain.

PowerAssist hoists may be located on the stage floor or in an arbor pit.

## Features

**Quality Management** – Clancy’s ISO 9001:2008 certified quality management system ensures consistency and excellence in engineering, manufacturing, project management, sales, and customer service.

**Technical Support** is available 24/7/365 from the factory. Additional support is provided by a worldwide group of established J.R. Clancy dealers.

## Safety

**No Handling of Counterweights** or climbing to elevated loading galleries to keep sets in balance. The PowerAssist hoist handles the out-of-balance load for you.

**Two Levels of Limit Switches** are set for your specific site conditions. The normal travel and over travel switches use separate, redundant circuits for added security.

**E-Stop System** meets NFPA 79 “Electrical Standard for Industrial Machinery”.

**Deadman Controls** (“hold to run”) in conformance with NFPA 79 “Electrical Standard for Industrial Machinery,” ensure the operator is present when movement is taking place.

**Maintenance Light** – Regular service is necessary for safety and equipment life for all moving machinery. J.R. Clancy control systems have a maintenance light, indicating when regular system service is required.

**208, 230, or 460 volts** units are available without the need for expensive, bulky transformers. 380V 50Hz units are also available.

**Motors Rated to Lift the Load** have a 1.0 service factor, so they can lift the load every time – not just some of the time.

**Touch Safe** means the interior of all electrical enclosures are guarded to prevent touching live components, per IEC standard.

## Models

MODEL	CONTROL	TYPE	SPEED	CAPACITY	HP	WEIGHT
018-PA	Push Button Station	Single Purchase	25 fpm	2,000 lbs.	1.5	225 lbs.
018-PA-SC	SureTarget™					
018-PADP	Push Button Station	Double Purchase				
018-PADPSC	SureTarget™					

## Control Options

### Push Button Controls (Standard)

Hold to run Up and Down pushbuttons are provided so that sets can be run by "eye". A key operated On / Off switch and an Emergency Stop button are provided for security.

### SureTarget™ (Optional)

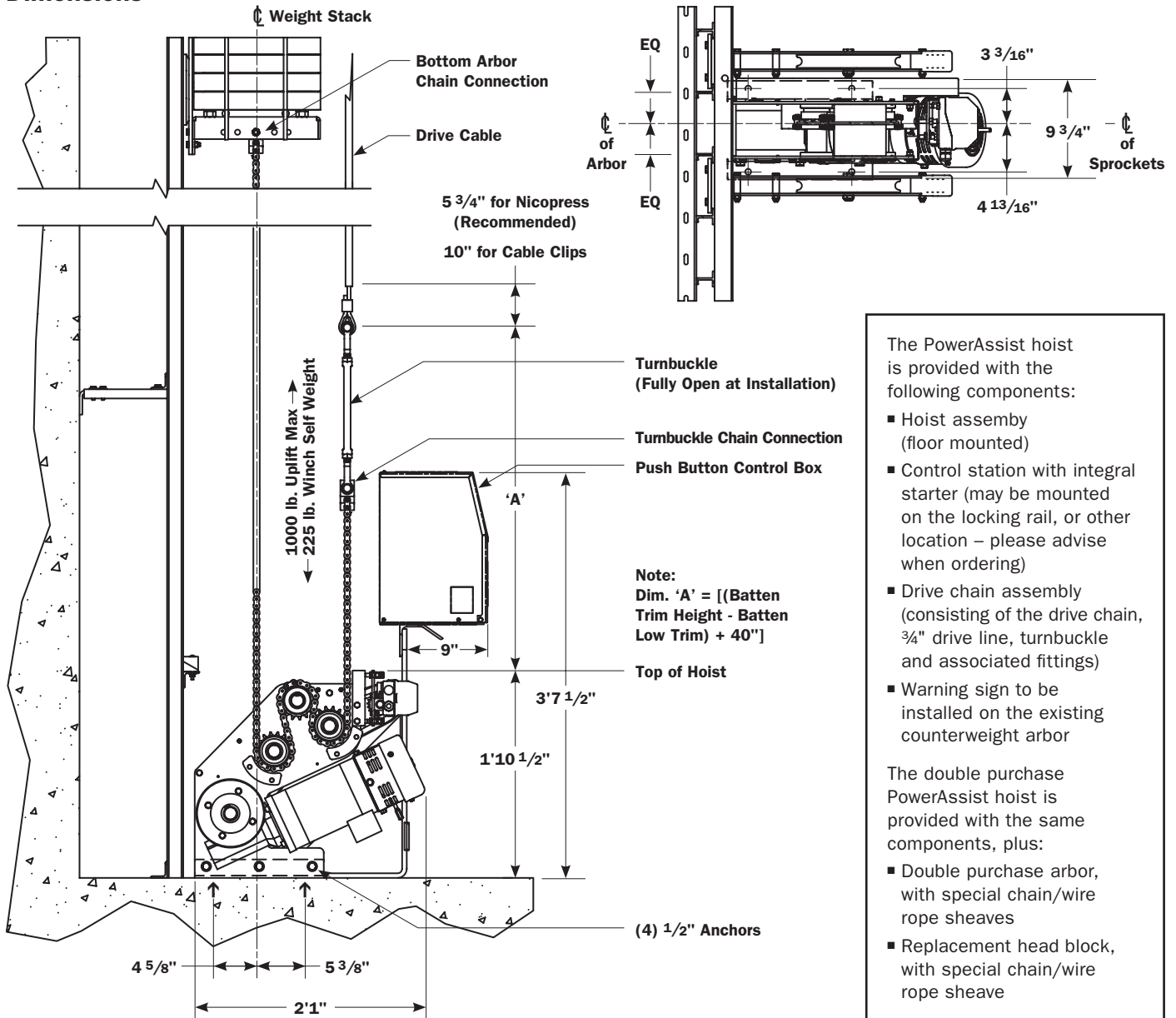
You can set four preset stop points for convenient, repeatable heights. For example, after replacing lamps on a lighting set, you'll simply and accurately return the set to its proper

position. If a set needs to be at different heights for different parts of a performance, you have the ability to set up to four preset positions – and change them as needed.

### Control of Multiple PowerAssists

J.R. Clancy offers a range of control systems to meet your production requirements and budgets. Consoles allow control of multiple hoists, including the ability to create cues that control several sets simultaneously. Contact us for more information.

## Dimensions



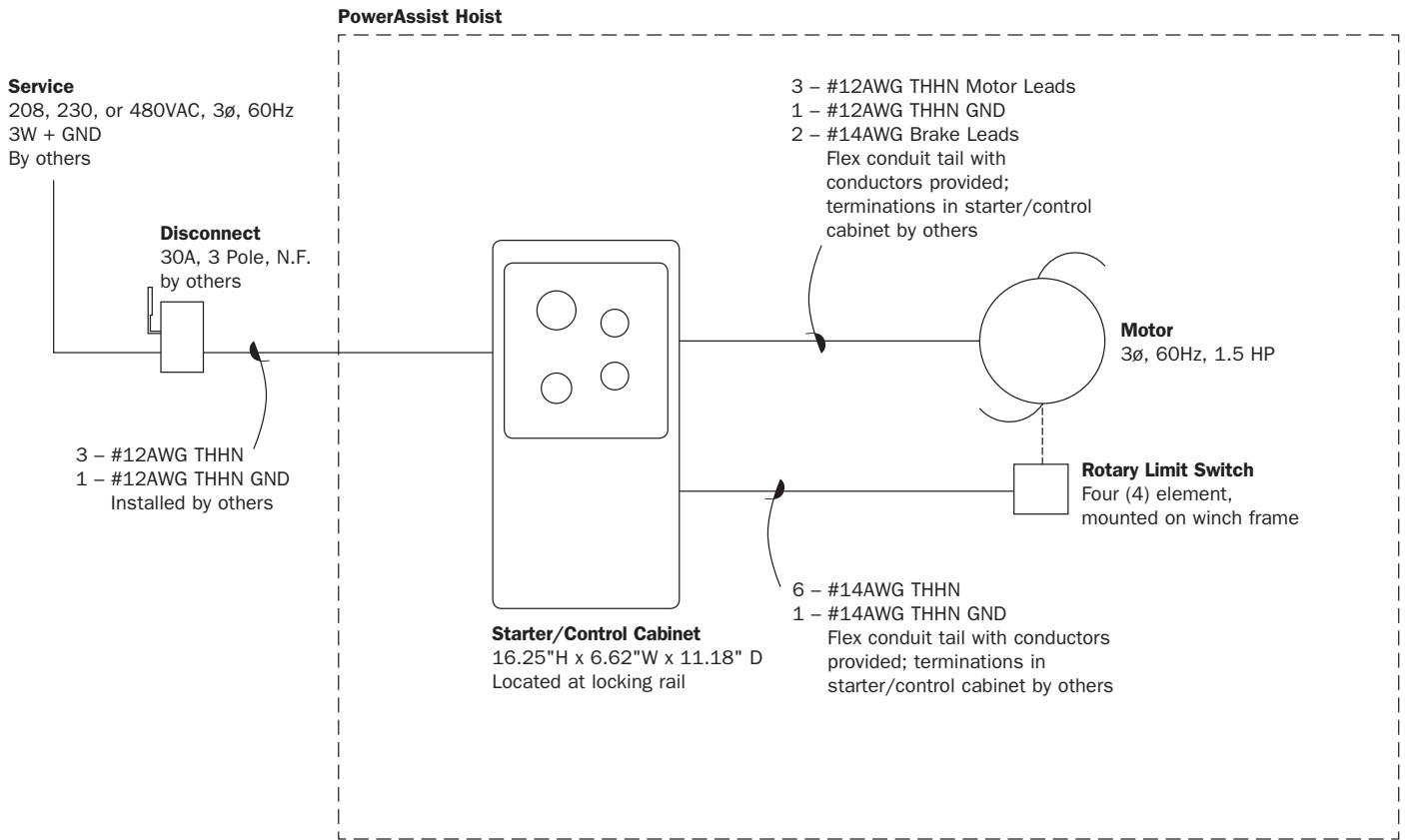
The PowerAssist hoist is provided with the following components:

- Hoist assembly (floor mounted)
- Control station with integral starter (may be mounted on the locking rail, or other location – please advise when ordering)
- Drive chain assembly (consisting of the drive chain, 3/4" drive line, turnbuckle and associated fittings)
- Warning sign to be installed on the existing counterweight arbor

The double purchase PowerAssist hoist is provided with the same components, plus:

- Double purchase arbor, with special chain/wire rope sheaves
- Replacement head block, with special chain/wire rope sheave

## PowerAssist with Push Button Control One Line Riser — Typical



## PowerAssist Electrical Requirements

MODEL	SPEED, CAPACITY	HP	CURRENT DRAW	
			208 - 240 V	440 - 480 V
018-PA	25 fpm, 2000 lbs.	1.5	5.8 A	2.7 A
018-PA-SC				
018-PADP				
018-PADPSC				





## General Information

PowerLift is an economical, high performance, automated hoisting system available in fixed or variable speeds. Its versatile mounting system enables PowerLift to be installed in virtually any space.

Speed: Up to 180 fpm (0.9 m/s)  
Travel: Up to 63 ft. (19 m)  
Gross Cap.: Up to 2000 lbs. (907 kg)

## Applications

PowerLift's high capacity and compact size make it ideal for many stage hoisting applications including:

- Lighting
- Speaker clusters
- Scenery
- Shell ceilings

## Features

**Integrated gearmotor and brake** provides proven reliability and features an iron case for vibration and noise control.

**Reliable head block with nylon sheaves** provides long, trouble-free life and meets or exceeds wire rope manufacturer recommendations.

**Closed loop vector drives** provide pinpoint accuracy and can hold the load without a brake for added security.

**Hoists can be mounted vertically or horizontally.** For theatres without grids, vertical mounting can save space and offers easier access for maintenance.

**Versatile mounting clips** encompass a tremendous range of beam spacing and flange widths for easy installation.

**Compact moving drum** allows for a small, efficient hoist. Preloaded chase rollers ensure cables stay in grooves.

**Sturdy aluminum backbone** eliminates external strengthening members.

**A complete suite of load and safety features** is available including slack line detection, cross-groove detection, load monitoring, acoustic dampening, and safety covers.

**Optional blocks** for running lift lines directly from the hoist provide maximum flexibility in location.

## Safety

**Designed and manufactured by Clancy**, a company with over 125 years of rigging expertise.

**Dual braking system** with a primary brake on the motor and a completely independent SureBrake<sup>®</sup> II operating directly on the drum shaft. SureBrake II is spring applied and electrically released for maximum safety.

**Emergency-stop system** meets *NFPA 79 (Electrical Standard for Industrial Machinery)* with ramped stops for high speed equipment to reduce mechanical shock loads.

**Two levels of limit switches** with normal travel and overtravel switches using separate, redundant circuits for added security.

**Loft block idlers contain individual grooves** to keep lines contained, prevent tangles, and eliminate rubbing of adjacent lines.

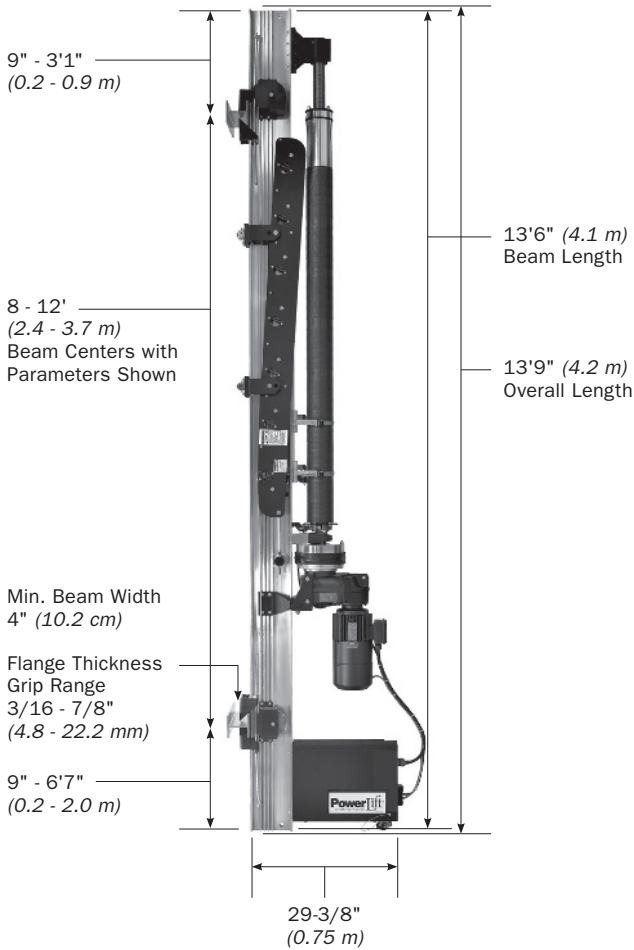
**Touch safe interior** of all electrical enclosures guards to prevent contact with live components, per *IEC 204-1 Protection*.



**Controls**

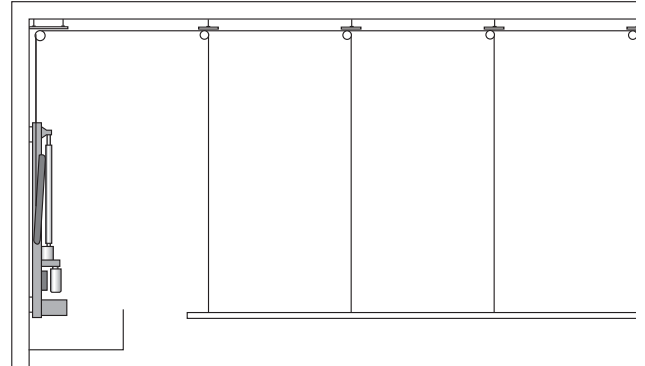
PowerLift works with the entire range of Clancy automation consoles or push button controls. It can also interface with any modern control system, including SIL3.

**Dimensions**

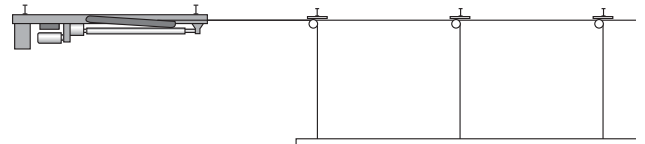


**Mounting Configurations**

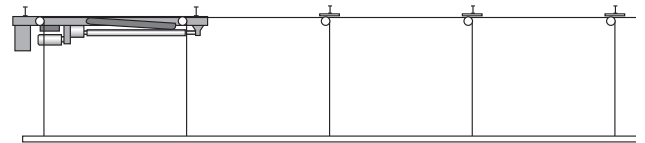
**Vertical** (Preferred mounting approach)



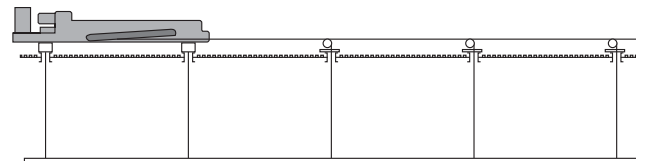
**Underhung Offstage**



**Underhung Onstage**



**Upright on Grid** (Cover required)



**11" (27.94 cm) Set Centers:** all hoists on one side of stage



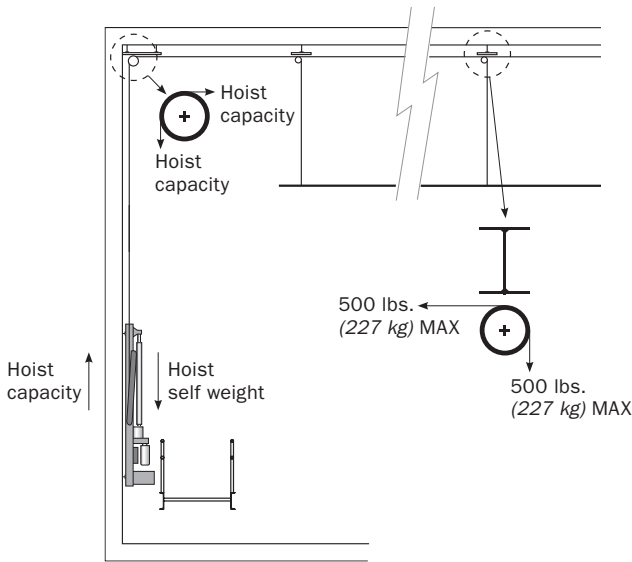
**8" (20.32 cm) Set Centers:** alternate hoists on both sides of stage



### Loading Information

**Loft Block:** (Typical of 7) The combined load on the loft blocks associated with a single PowerLift hoist will not exceed the hoist capacity. Loads may be unevenly distributed on the batten with a maximum load of 500 lbs. (227 kg) on any individual loft block.

Hoists are not recommended to be used for lifting people.



### Power & Wiring Information

PowerLift is available for virtually any 3-phase voltage worldwide.

Control wiring is dependent on your control system. More information is available at [www.jrclancy.com/controlsystems.asp](http://www.jrclancy.com/controlsystems.asp).

### Warranty & System Support

**3-Year Warranty** against defects in materials or workmanship is provided on all Clancy equipment. Our warranty is contingent on operation by trained personnel and an annual equipment inspection by a Clancy authorized technician.

**24/7 factory technical support** with additional service and assistance provided by a worldwide network of Clancy authorized dealers.

**Inspections and maintenance** can be provided through our authorized dealers. A maintenance gallery or other means of access is required.

### Ordering Information

PowerLifts are available with up to 7 lift lines and provide up to 63 ft. (19 m) of travel.

MODEL	SPEED	GROSS CAPACITY	WEIGHT	MOTOR
018-P0220*	20 fpm	2,000 lbs.	750 lbs.	1.5 hp
018-P0220T*	(0.1 m/s)	(907 kg)	(340 kg)	(1.12 kw)
018-P0220F*				
018-P0220VE	0 - 20 fpm (0 - 0.1 m/s)	2,000 lbs. (907 kg)	750 lbs. (340 kg)	1.5 hp (1.12 kw)
018-P1212VE	0 - 120 fpm (0 - 0.6 m/s)	1,200 lbs. (544 kg)	770 lbs. (349 kg)	5.0 hp (3.73 kw)
018-P1220VE	0 - 120 fpm (0 - 0.6 m/s)	2,000 lbs. (907 kg)	800 lbs. (363 kg)	7.5 hp (5.6 kw)
018-P1812VE	0 - 180 fpm (0 - 0.9 m/s)	1,200 lbs. (544 kg)	800 lbs. (363 kg)	7.5 hp (5.6 kw)
018-P1817VE	0 - 180 fpm (0 - 0.9 m/s)	1,750 lbs. (794 kg)	800 lbs. (363 kg)	10 hp (7.46 kw)

\*018-P0220 for use with Push Button controls  
018-P0220T for use with SureTarget™ 50  
018-P0220F for use with SceneControl®

### Options

- 8-line hoist with maximum travel of 49 ft. (14.9 m)
- Double purchased battens for increased lifting capacity
- Load monitoring
- Safety covers

### Additional Information

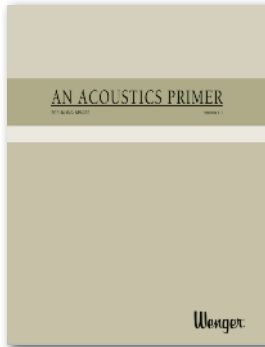
For more information on PowerLift visit [www.jrclancy.com/powerlift.asp](http://www.jrclancy.com/powerlift.asp) to access:

- Detailed structural loading
- Electrical risers diagrams
- Specifications
- Dead load weight calculator

For more information on Clancy control systems visit [www.jrclancy.com/controlsystems.asp](http://www.jrclancy.com/controlsystems.asp).

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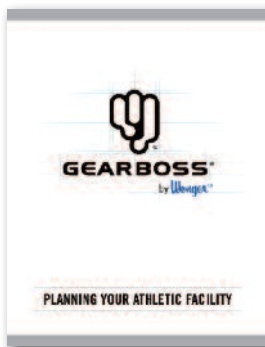
### WENGER PLANNING GUIDE

Everything you need to understand the new construction process and what you can do to most effectively organize your



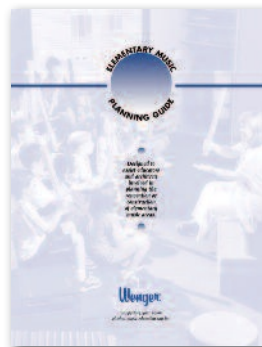
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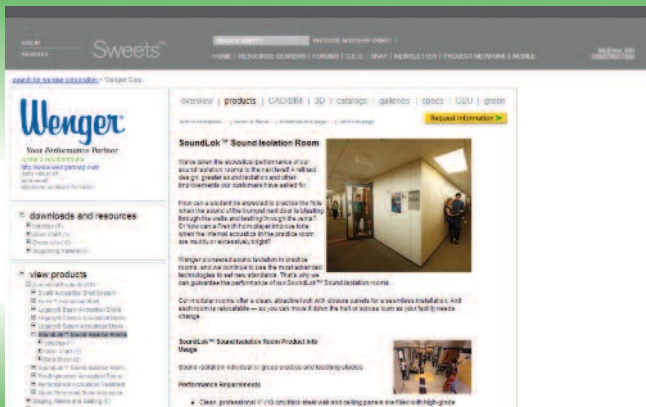
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