

STRATA® Orchestra Pit Filler

System Description

- Removable Pit Filler system is comprised of decks, beams and columns that are pinned together for easy installation and removal
- Decks are locked to the beam structure using a hex key tool that is included with the Pit Filler system
- Decks are independent of each other allowing for individual decks to be removed for easy access to or from the pit area when the pit filler is installed
- Multiple deck surface finishes available
- Acoustically dampened honeycomb core decks
- Aluminum extruded frame and column structures
- Decks are custom cut on-site at the time of the installation to match the existing pit opening
- Five-year warranty
- Environmental attributes and LEED compliance for this product can be found at www.wengercorp.com/GREEN or by contacting your Wenger representative

Design Requirements

- Maximum available deck height is 10' (3048 mm)
- Decks can be repositioned at different elevations (e.g. stage, audience, pit floor storage, etc) by using different length columns
- Columns have 4" +/- of leveling capability when used from 17" to 120" (432 to 3048 mm) elevations
- Storage carts are available to store the entire system
- Deck corners are glass-filled nylon to eliminate sharp edges

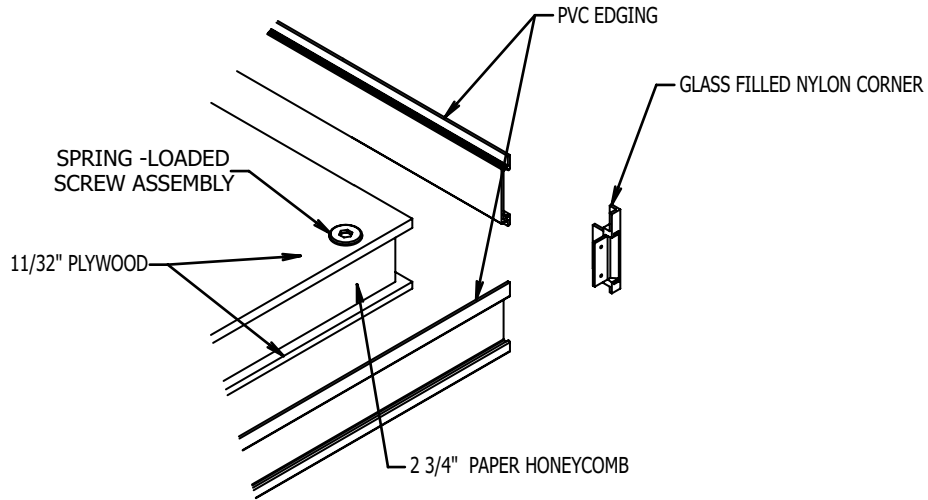
Performance Requirements

- System meets building code standards of L/360 for a 72" (1829 mm) long deck span
- Standard system meets a vertical live load of 150 psf (732 kg/per sq meter)
- Dynamic impact loading: 10,000 cycles of 400 lb-force (181 kg-force) at 6 locations per 4' x 8' (1219 x 2438 mm) platform
- Point Load Rating (will not leave a permanent deck surface marking):
 - 1" (25 mm) diameter disk = 500 lb (227 kg)
 - 2" diameter x 2" wide (51 x 51 mm) rubber wheel = 1000 lb (454 kg)
 - 3" (76 mm) diameter disk = 1000 lb (454 kg)
 - 4" diameter x 1" wide (102 x 25 mm) rubber wheel = 500 lb (227 kg)



Decks

- Standard deck construction – 11/32" (9 mm) thick plywood on both sides of a 2-3/4" (70 mm) thick phenolic impregnated paper honeycomb core
- Standard surface options – 1/8" (3 mm) thick hardboard or 5/8" (16 mm) thick pre-engineered tongue and grooved flooring
- Standard finish options – unfinished hardboard, painted hardboard, unfinished tongue and groove flooring
- Glass-filled nylon corners – available in tan, brown or black
- Extruded PVC edges – available in tan, brown or black
- Deck attachment – integral spring-loaded screw assemblies
- Standard deck size – 4' x 8' (1219 mm x 2438 mm) or less with custom shapes available as required



Framing Components

Main Support Beam

- Manufactured out of extruded aluminum
- Beams run in up-stage/down-stage direction when installed in the orchestra pit
- Beams incorporate dual fastener tracks to accommodate spring-loaded screws integrated into the decks

Diagonal Brace

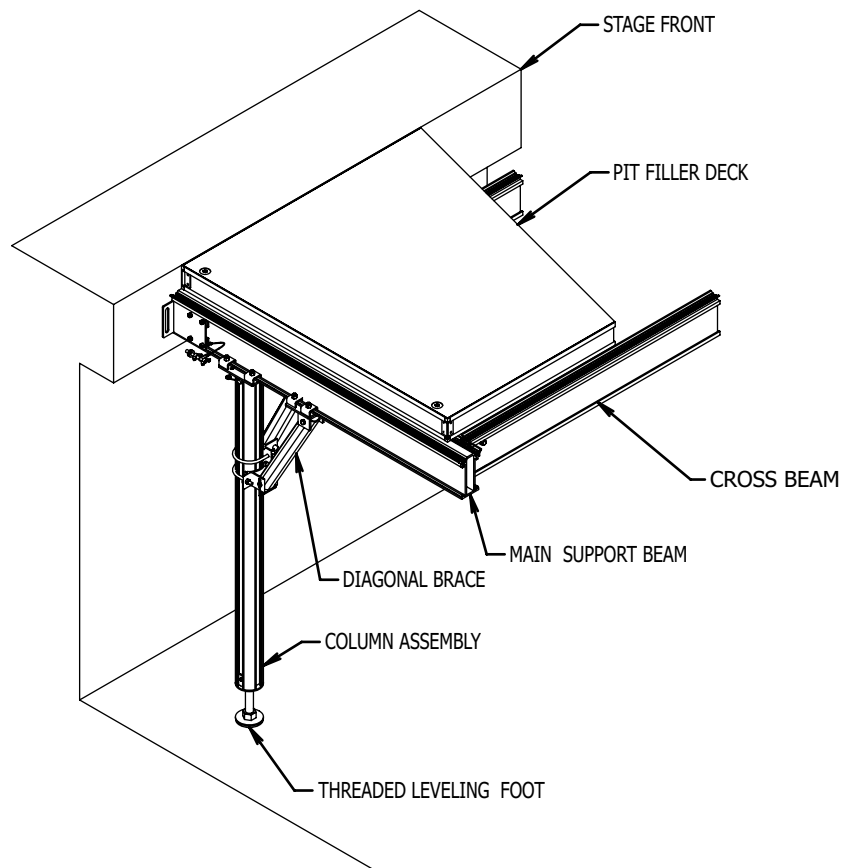
- Manufactured out of extruded aluminum
- Serves as a brace between the main beam and the column
- All attachments are pin connectors

Cross Beam

- Manufactured out of extruded aluminum
- Pin and socket connection to main support beam

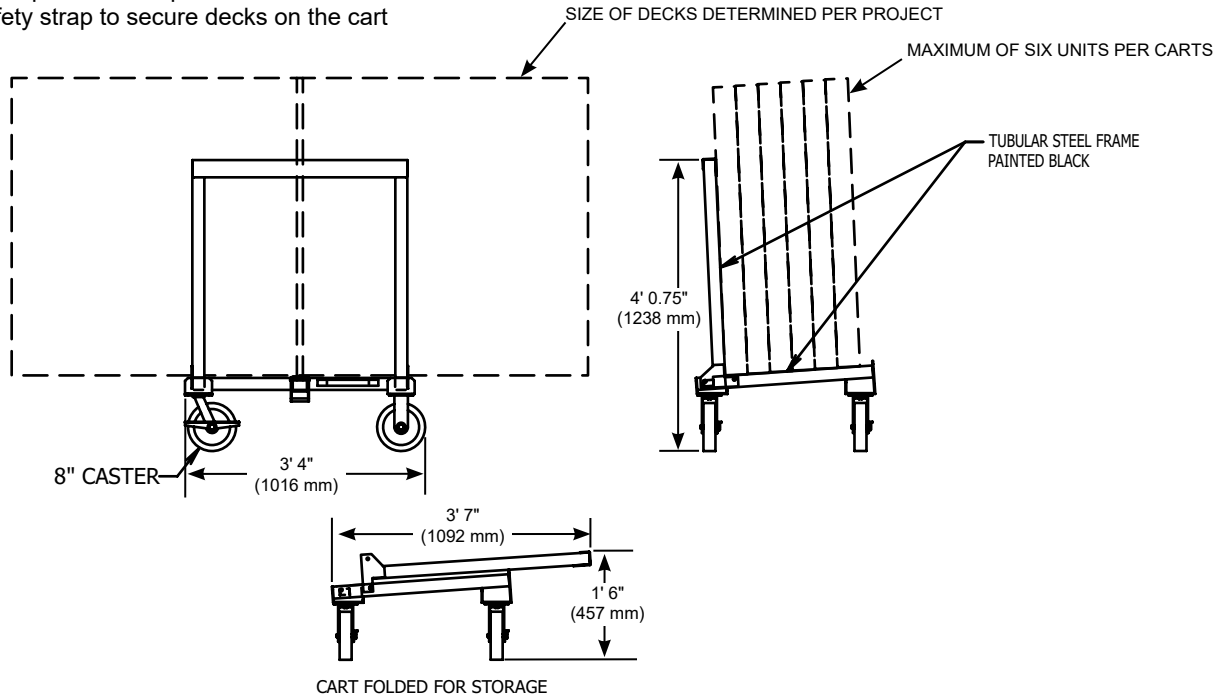
Column Assembly

- Manufactured out of extruded aluminum
- All attachments are pin connectors
- Threaded leveling foot with total adjustment of 4" (102 mm), plus or minus



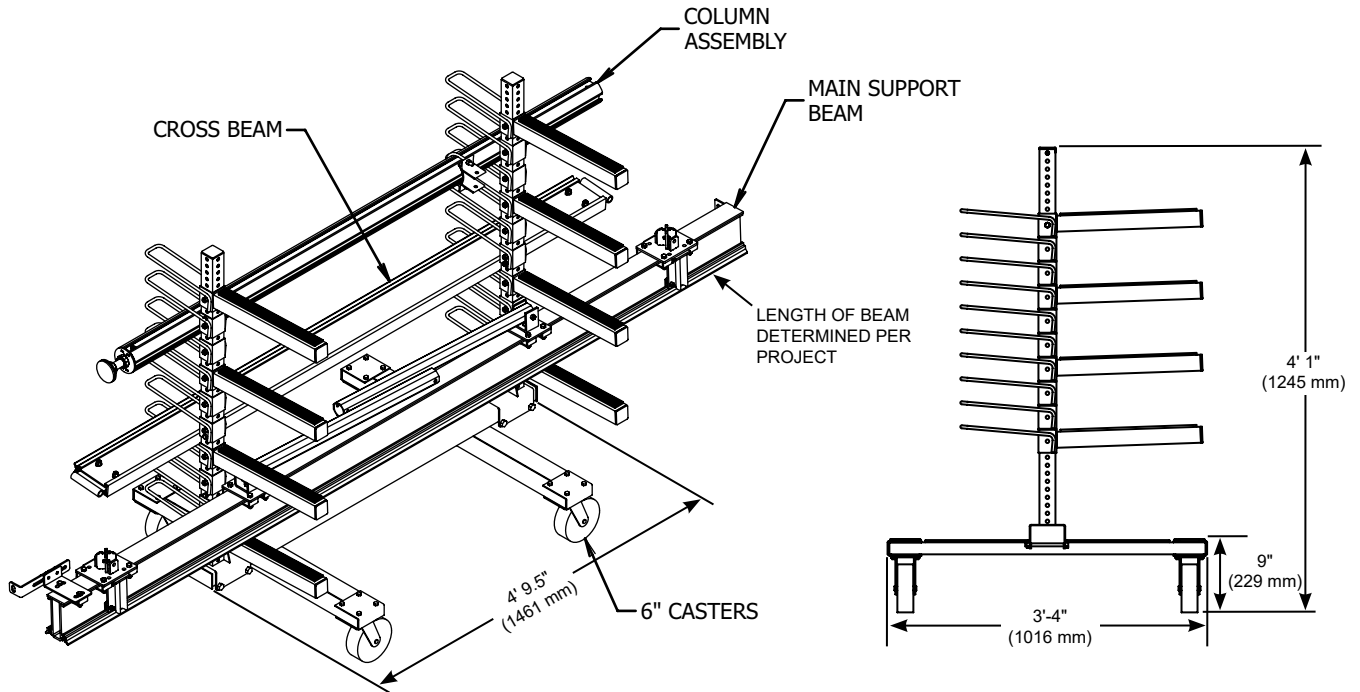
Deck Storage Cart

- Cart is constructed of steel tubing and formed steel components
- Cart has two rigid and two swivel casters with 8" (20 mm) wheels
- Carts have a black powder-coat paint finish
- Carts have a safety strap to secure decks on the cart



Main Beam/Column/Cross Beam Storage Cart

- Cart is constructed of steel tubing and formed steel components
- Cart has two swivel casters and two fixed casters with 6" (152 mm) wheels
- Carts have a black powder-coat paint finish



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