

# Upper Deck Audience Seating®

## System Description

- 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" (762 mm) 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.

## Design Requirements

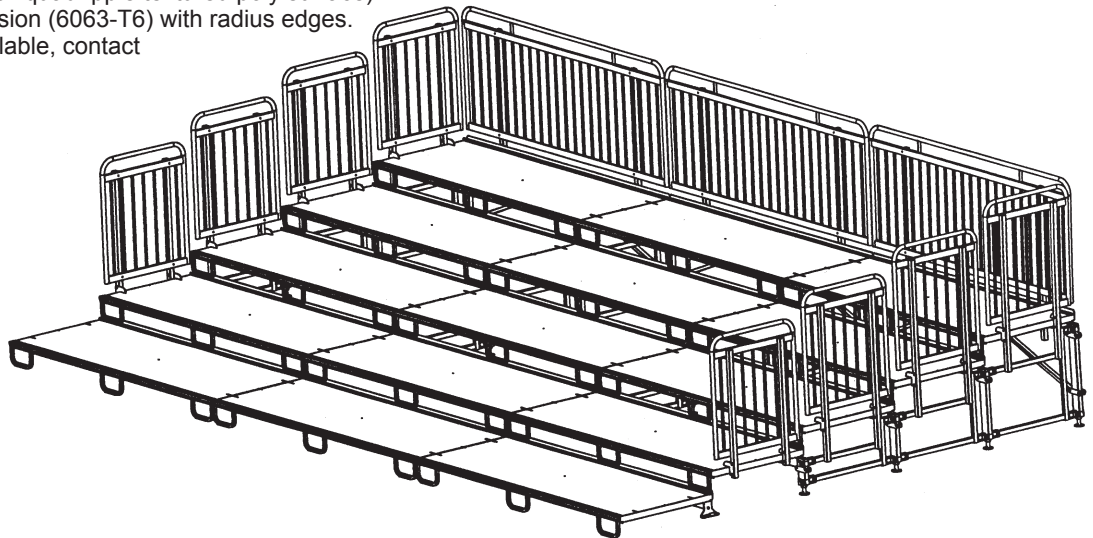
- Tiered riser system has available tier heights from 4" to 24" (102 to 610 mm) in 1" (25 mm) increments.
- Maximum available deck height is 10' (3048 mm).
- Each column is capable of being leveled with a powered gear drive. Tool is provided, but drill to power tool is not.

## Performance Requirements

- System supports a uniform vertical load of 100 psf (488 kgs/per sq meter).
- 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" (102 mm) and no gap between the rail and the deck greater than 4" (102 mm).
- 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.

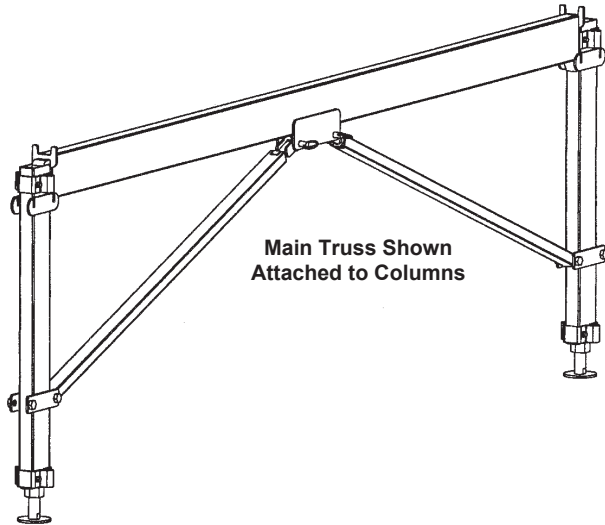
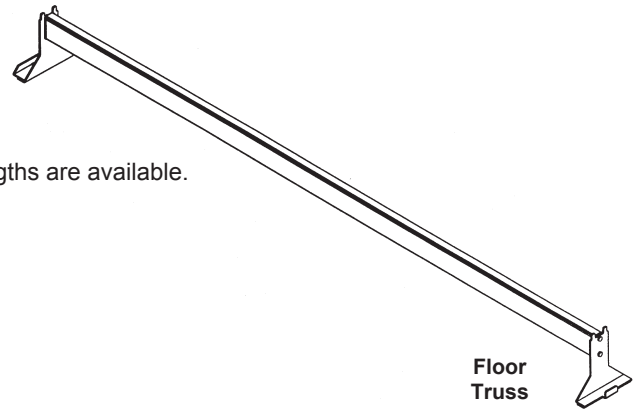
## Decks

- Standard Deck: Steel frame (black baked on textured finish), aluminum nosing, 1/2" (13 mm) thick, group one douglas fir plywood.
- Standard Deck sizes:
  - 3' x 8' (914 x 2438 mm) unit weights 85 lbs (39 kg).
  - 4' x 8' (1219 x 2438 mm) unit weights 110 lbs (50 kg).
- Additional Deck sizes:
  - 3' x 8' (914 x 2438 mm) • 3' x 7' (914 x 2134 mm)
  - 3' x 6' (914 x 1829 mm) • 3' x 5' (914 x 1524 mm)
  - 3' x 4' (914 x 1219 mm) • 4' x 8' (1219 x 2438 mm)
  - 4' x 7' (1219 x 2134 mm) • 4' x 6' (1219 x 1829 mm)
  - 4' x 5' (1219 x 1524 mm) • 4' x 4' (1219 x 1219 mm).
- Custom lengths and corner shape units are also available.
- Deck Finishes:
  - Black standard (.030 black moroccan textured poly surface).
  - 1/8" (3.175 mm) tempered hardboard outer plies with a natural, mill finish.
  - Black heavy-duty (.050 black quadripple textured poly surface).
- Deck Edges: Aluminum extrusion (6063-T6) with radius edges.
- Sample riser layouts are available, contact your Wenger Representative.



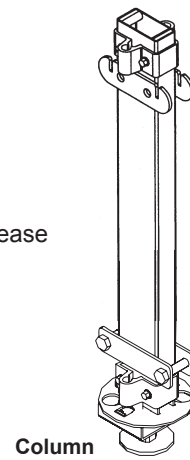
## Trusses

- Trusses have a tube design with welded steel features for connecting columns and sway braces.
- Trusses are available in the following standard lengths:
  - 8' (2438 mm)
  - 7' (2134 mm)
  - 6' (1829 mm)
  - 5' (1524 mm)
  - 4' (1219 mm)
- Truss lengths to match corner shaped sections. Other non-standard lengths are available.
- Trusses have a black powder-coat paint finish.
- Floor trusses are required on riser elevations below 12" (305 mm).



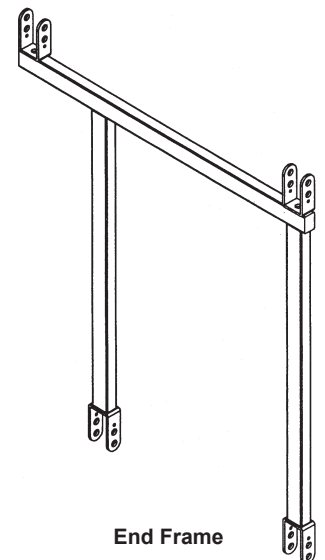
## Columns

- Columns have a welded steel assembly available in ascending heights with features for receiving trusses and pinning to end frames.
- Heights over 30" (762 mm) include welded steel sway braces with micro-adjustment and quick-release pins on lanyards.
- Column has a black powder-coat paint finish.
- Power leveling system.



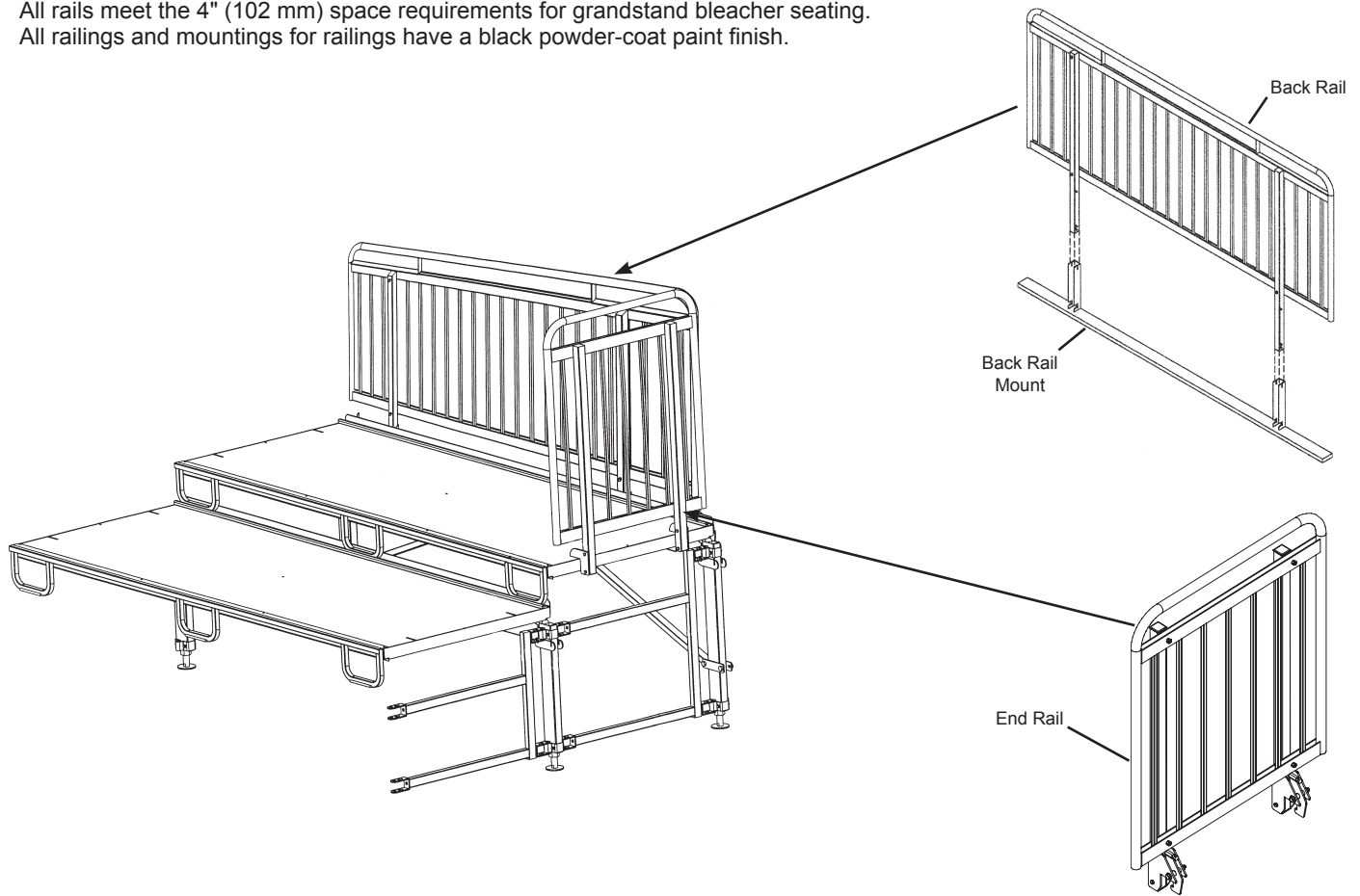
## End Frames

- 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" (102 to 610 mm) in 1" (25 mm) increment elevation changes.
- End Frames have tapered pins, four 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 powder-coat paint finish.



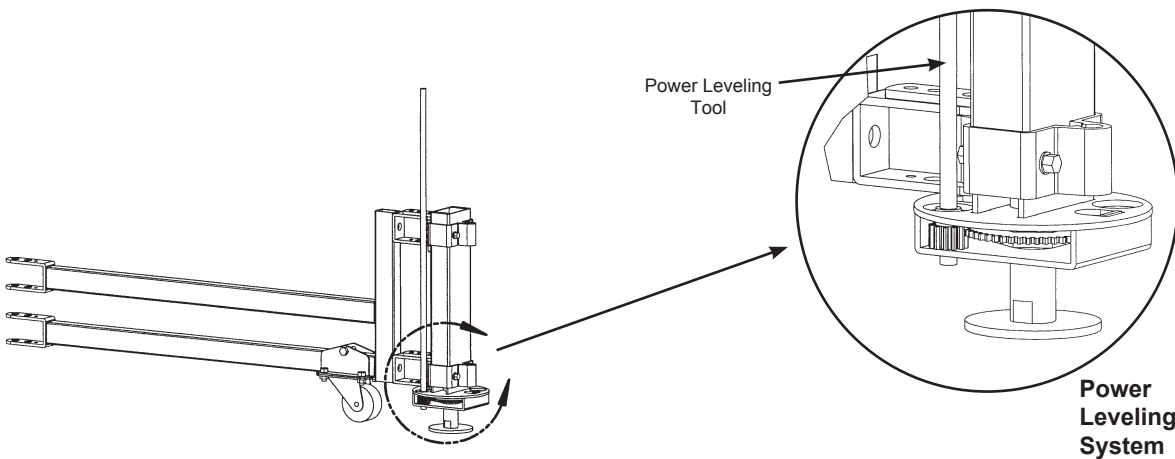
### End Rails and Back Rails

- 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" (914 mm) and 48" (1219 mm) depth.
- Back rail sized to fit decks width 48", 60", 72", 84" and 96" (1219, 1524, 1829, 2134 and 2438 mm), special pie deck widths, and custom rails available.
- All rails meet the 4" (102 mm) space requirements for grandstand bleacher seating.
- All railings and mountings for railings have a black powder-coat paint finish.



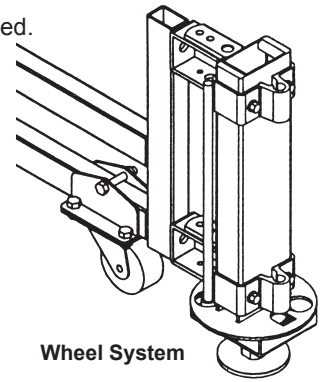
### Power Leveling System

- 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 with a black powder-coat paint finish.
- Power leveling system is not provided with the required power drill.



### Wheel System

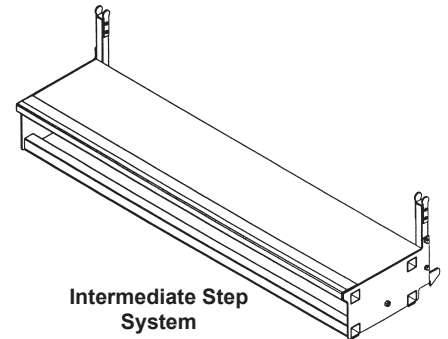
- The wheel system is constructed of a fabricated steel wheel mount with a 2-1/2" (64 mm) diameter neoprene wheel.
- The wheel assemble is required on each end frame and is mounted with a bolt fastener.
- The wheel system allows the entire support structure without unit rails and accessories to be relocated.
- Wheel mount has a black powder-coat paint finish.



Wheel System

### Intermediate Step System

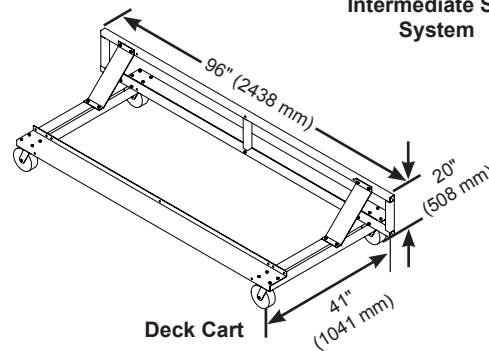
- Intermediate steps are available between platform rises.
- Steps constructed of wood which matches the deck platform surface and steel welded frame.
- Step edge has an aluminum protective nosing which highlights and protects the front edge of the step.
- Steps available in 36" (914 mm) or 48" (1219 mm) widths.
- Step frame has a black baked on textured finish.
- Step incorporate an intrical connector which lock step to units securely.
- Multiple step stairways are available for access to tiers at heights above 14" (356 mm).



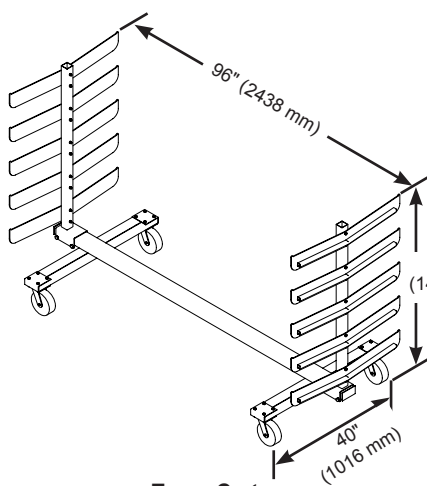
Intermediate Step System

### Move/Store Carts

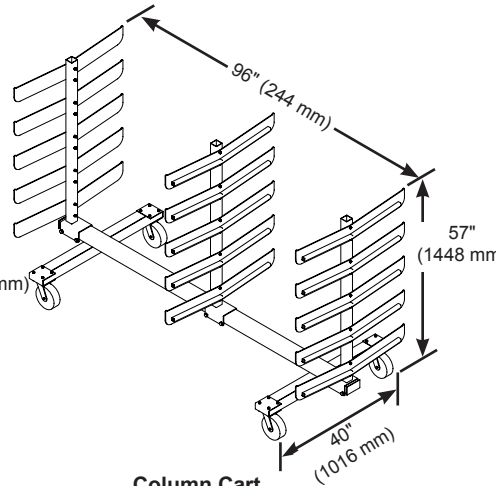
- Carts are constructed of steel tubing and formed metal components.
- Each cart has a carrying capacity of up to 1200 lbs (544 kg) of system components.
- Carts have four swivel casters with 8" (203 mm) wheels which have a 900 lbs (408 kg) capacity each
- Cart style available for columns, trusses, decks, end frames and railings.
- Carts have a black powder-coat paint or plated finish.



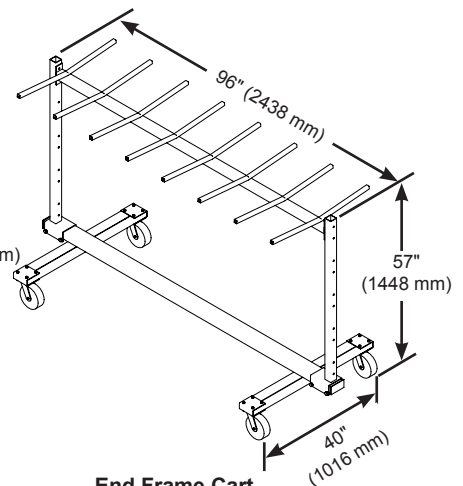
Deck Cart



Truss Cart



Column Cart



End Frame Cart



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