Technical Sheet

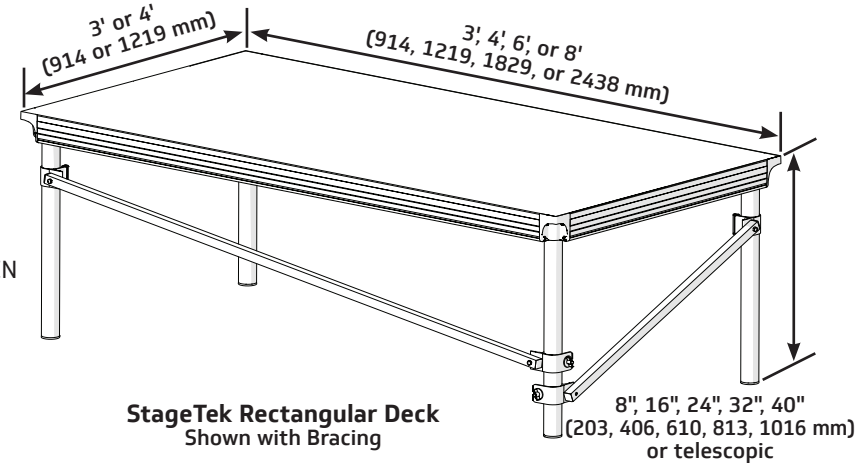
StageTek® Staging System

Wenger® CORPORATION

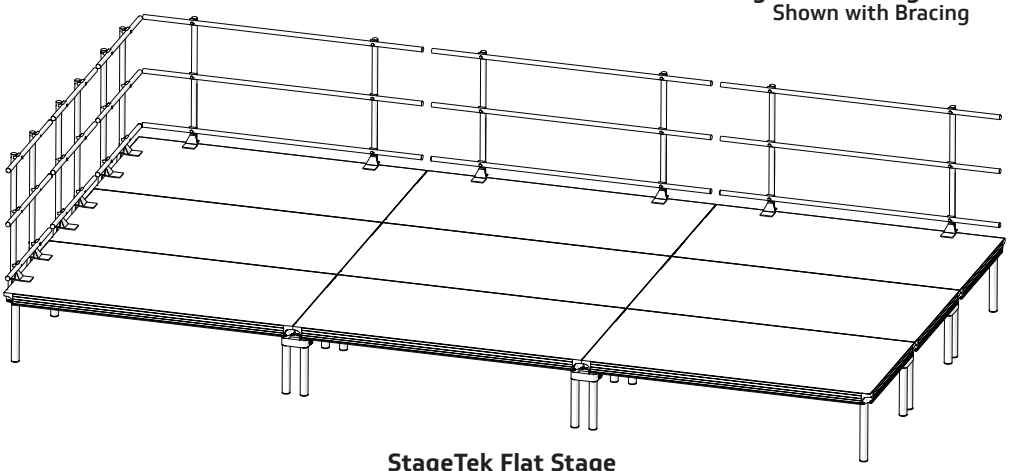
StageTek is a highly flexible design and can be used to accommodate many unique and custom applications. Please contact your Wenger Representative to discuss your needs.

System Description

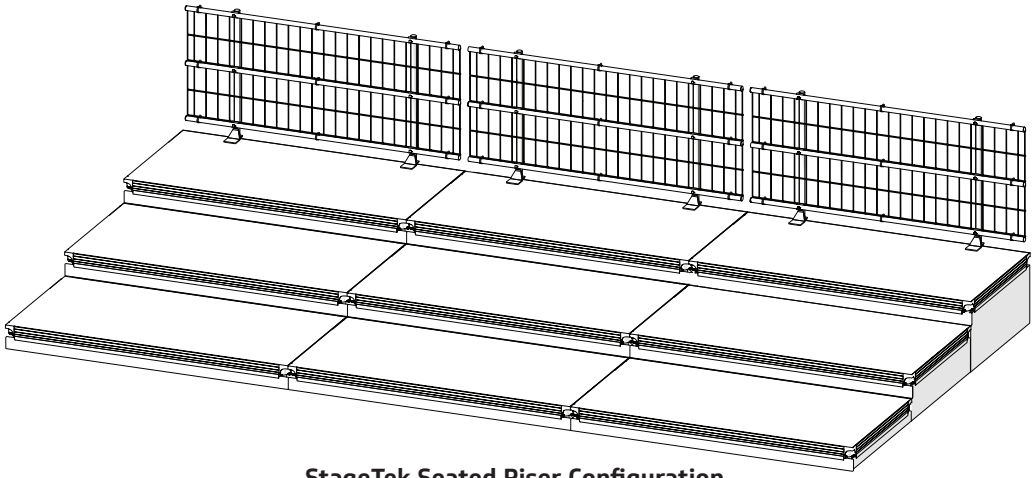
- 280A200._ Rectangular decks are available in the following sizes:
  3' x 3' (914 x 914 mm): 37 lb (17 kg)
  3' x 6' (914 x 1829 mm): 65 lb (29 kg)
  3' x 8' (914 x 2438 mm): 87 lb (39 kg)
  4' x 4' (1219 x 1219 mm): 59 lb (27 kg)
  4' x 6' (1219 x 1829 mm): 85 lb (39 kg)
  4' x 8' (1219 x 2438 mm): 107 lb (49 kg)
- Pie shaped and custom decks are available
- Ten-year warranty
- Environmental attributes and LEED compliance for our products can be found at wengercorp.com/GREEN or by contacting your Wenger representative



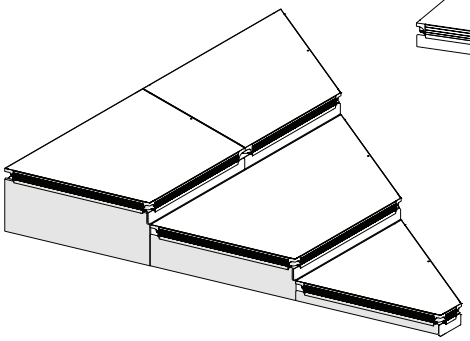
StageTek Rectangular Deck
Shown with Bracing



StageTek Flat Stage
Configuration shown with Guardrails



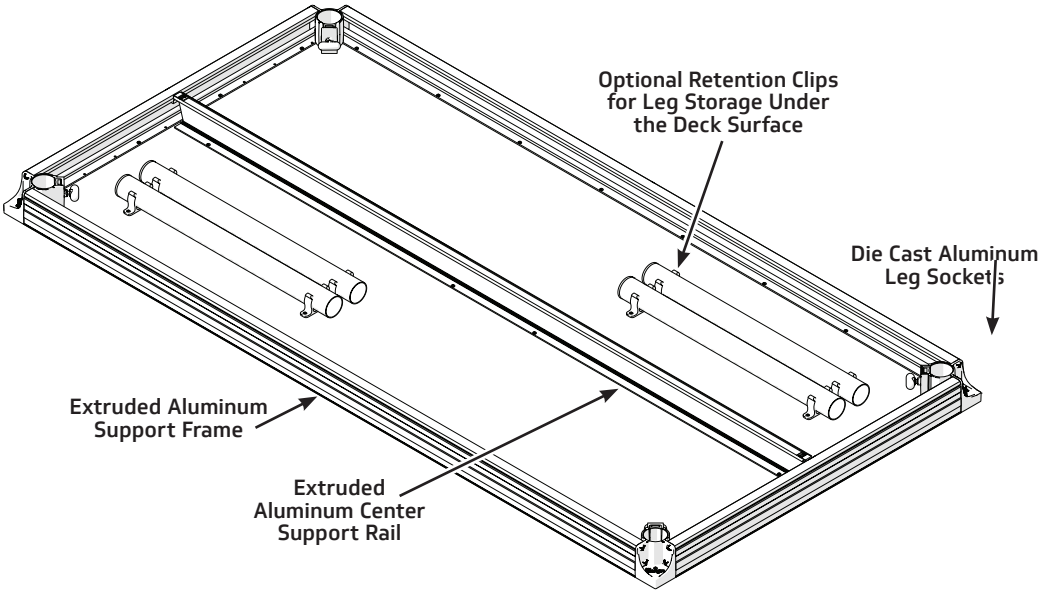
StageTek Seated Riser Configuration
Shown with Guardrails, Infill Panels and Closure Panels



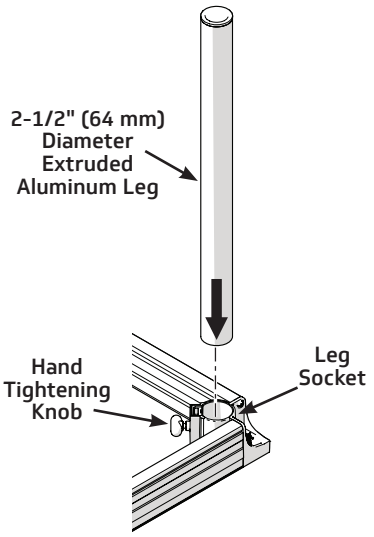
StageTek Seated Riser Configuration
With Pie Shaped Decks and Closure Panels

Features

- Platform decks are 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 Polypropylene): 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 (Quadripple): An aggressive textured overlay for applications requiring greater slip resistance
  - Natural or Painted Hardboard: A 1/2" (13 mm) plywood bonded between two faces of 1/8" (3 mm) tempered hard-ply
  - Carpeted: Manufacturer's standard grey carpet over a 5/8" (16 mm) plywood core (contact Wenger for a sample)
  - Carpet Ready: A 5/8" (16 mm) plywood core ready to receive carpet surface
  - Black powder-coat paint finish is available for the deck surface, frame and legs (not telescopic legs)
- Dynamic impact loading: 10,000 cycles of 400 lb-force (181 kg-force) at six locations per 4' x 8' (1219 x 2438 mm) rectangular deck
- StageTek load ratings as measured on a 4' x 8' (1219 x 2438 mm) rectangular deck:
  - Standard uniform live load for decks with 4 legs: 125 lbf/ft² (6 kN/m²), meets L/75 deflection criteria
  - Heavy duty uniform live load for decks with 5th leg (as needed or smaller deck): 150 lbf/ft² (7.2 kN/m²), meets L/180 deflection criteria
  - Heavy duty uniform live load for decks with no 5th leg, added stiffener(s): 150 lbf/ft² (7.2 kN/m²), meets L/180 deflection criteria
  - Lateral live side load: 12 lbf/ft² (0.6 kN/m²) based on deck top surface area, meets IBC code
  - Caster load: 300 lb (136 kg) applied via 2" (51 mm) diameter by 2" (51 mm) wide flat rubber wheel with no appreciable surface deformation
  - Concentrated load: 500 lb (227 mm) on a single 6" x 6" (152 x 152 mm) square area per deck
- Standard rectangular decks feature spaces under each platform unobstructed by folding frames or braces allowing for easy storage/stowage space under the system
- Frame and edging are fabricated from 4" (102 mm) tall aluminum extrusion; 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
- Decks feature fully replaceable components including corners, frame, and wood deck; replaceable in the field with common tools
- An aluminum extrusion center support rail is featured on deck sizes:
  4' x 8' (1219 x 2438 mm), 4' x 6' (1219 x 1829 mm) and 3' x 8' (914 x 2438 mm)
- The frame is designed for safer, easier handling and features rounded contours ergonomically sized for a secure power grip (closed grip)
- Standard unit-to-unit connectors are 2" (51 mm) wide, heavy-duty hook-and-loop straps with a metal d-ring; two straps are provided with each rectangular deck to connect unit legs together
- Leg braces are available to provide additional stability



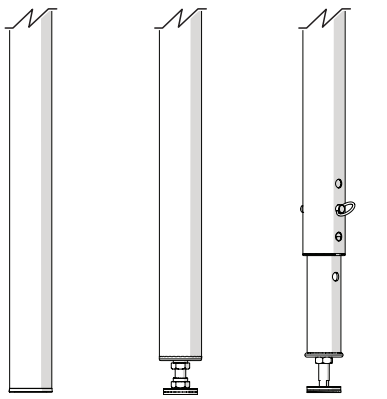
StageTek Typical Staging Unit



Leg and Socket Detail

Leg Options

- Available leg options include fixed height, adjustable height and telescopic
- Standard rectangular decks have four die cast aluminum leg sockets;
  legs are quickly secured without tools by just rotating the knob
- Standard legs are fabricated from 2-1/2" (64 mm) diameter aluminum extrusions and are finished with non-marring cap;
  Available in lengths that result in the following deck heights:
  8" (203 mm), 16" (406 mm), 24" (610 mm), 32" (813 mm) and 40" (1016 mm)
- Adjustable telescopic legs feature a threaded leveling foot finished with a rubber pad and non-rattling telescopic adjustment secured with a quick-release pin and jam nut;
  Available in lengths that result in the following deck heights:
  16"-28" (406-711 mm), 24"-40" (610-1016 mm) and 30"-54" (762-1372 mm)
- Black powder-coat paint finish is available for fixed height legs and adjustable height legs;
  Not available for telescopic legs
- Custom leg sizes are available

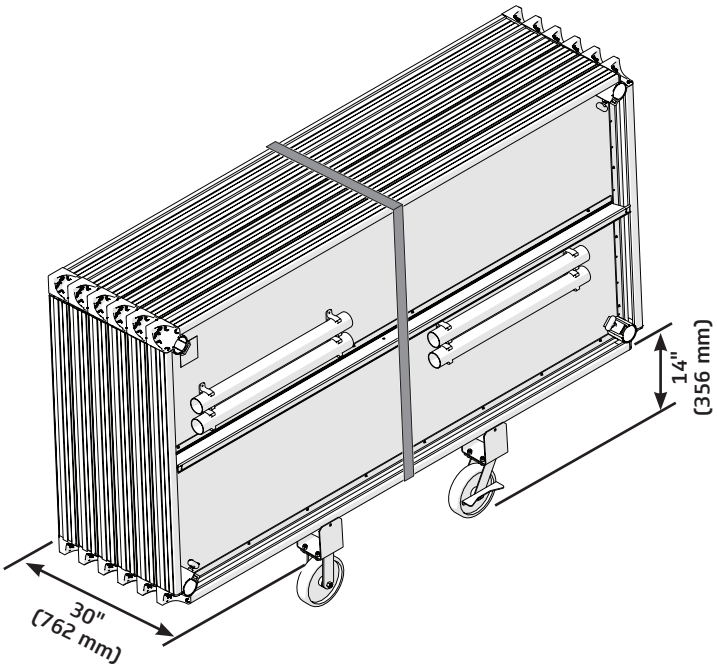


Fixed Height Leg **Adjustable Height Leg** **Telescopic Leg**

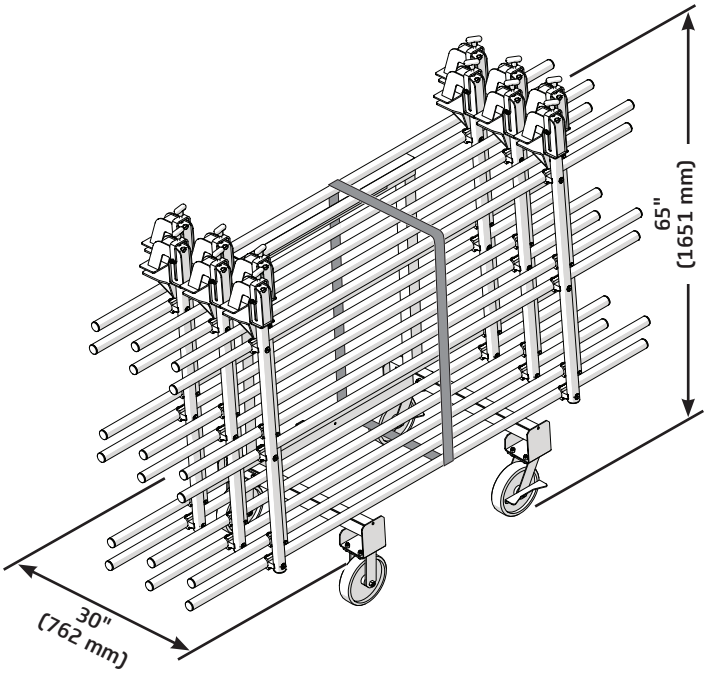
Accessories

Staging Universal Deck & Rail Cart

- 113K001 85 lb (38 kg); fits through a 32" (813 mm) door
- Holds six StageTek rectangular decks (without accessories) or six 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 and ratcheting nylon safety strap



Staging Universal Deck & Rail Cart
loaded with six Rectangular Decks

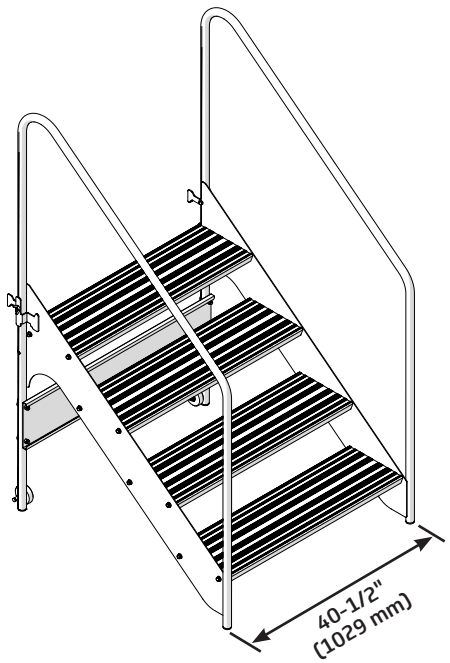


Staging Universal Deck & Rail Cart
Loaded with Six Guardrails

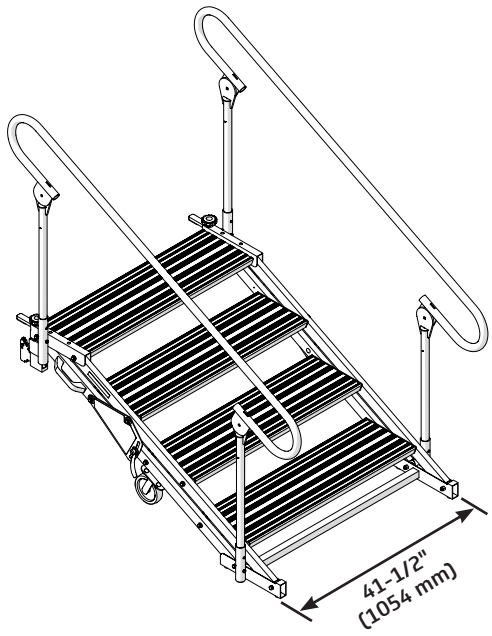
Stairways – Fixed Height and Adjustable

- Adjustable stairways are ideal for custom-height systems and for systems that are frequently set up at different heights
- Stairways feature a hook bracket to function with StageTek decks
- Stairs feature aluminum extruded treads and include permanent handrails on both sides

Fixed Height Stairways	Adjustable Height Stairways
2-Step: 281A100 55 lb (25 kg)	3-Step: 281A201 107 lb (49 kg)
3-Step: 281A101 76 lb (34 kg)	4-Step: 281A202 122 lb (55 kg)
4-Step: 281A102 94 lb (43 kg)	6-Step: 281A203 160 lb (73 kg)
	8-Step: 281A204 188 lb (85 kg)



Fixed Height Stairway
4-Step Model



Adjustable Height Stairway
4-Step Model

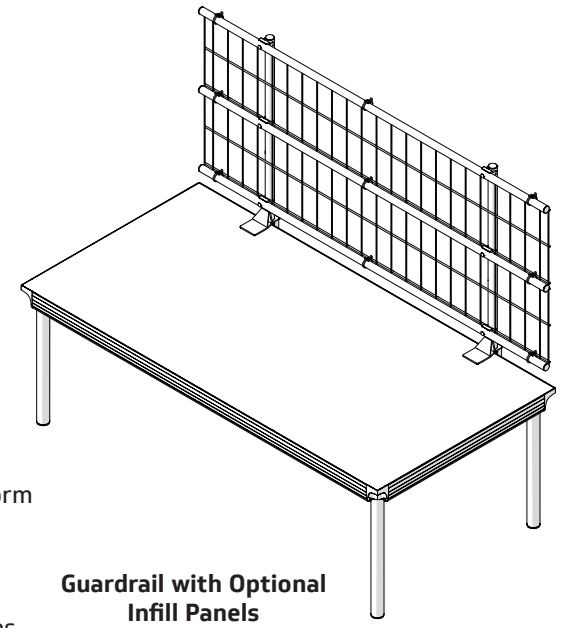
Accessories (continued)

Guardrails

- Guardrails comply with IBC code requirements for loading
- Guardrails feature two uprights and three cross bars; optional infill panels can be added that comply with the IBC 4" (102 mm) sphere code
- Guardrails can function as a chair stop
- Guardrails are 42" (1067 mm) high with a black powder-coat paint finish
- Guardrails clamp to the stage deck without the need for tools

Clamps, Connectors and Braces

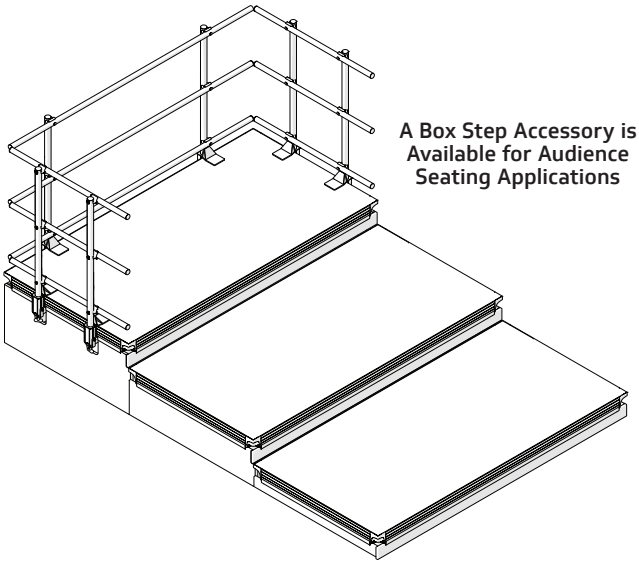
- Optional retention clips for leg storage mount under the deck to provide retained leg storage
- A variety of metal leg to leg, leg to deck, overlap and anchor brackets are available
- Stabilizing braces are recommended for heights 40" (1016 mm) and above
- Optional deck-to-deck cam locks are built into the deck frame;
  Cams can be locked or opened via a small tool access hole on top of the platform



Guardrail with Optional Infill Panels

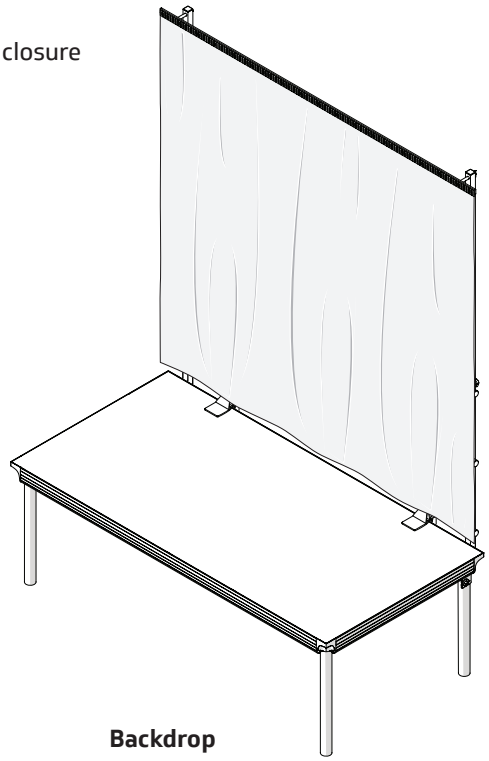
Backdrop and Closure Panels

- 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' (2438 mm) above the stage;
  Available in 4' (1219 mm), 6' (1829 mm), and 8' (2438 mm) 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



A Box Step Accessory is Available for Audience Seating Applications

StageTek Seated Riser Configuration
With Guardrails and Closure Panels



Backdrop

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