ADA-COMPLIANT SAFETY DEVICES
PRODUCT GUIDE

SafetyRail™ Barricade | SafetyWall™ Barricade | BoardWalk Temporary RAMP
SafetyWall™
ADA-COMPLIANT PEDESTRIAN BARRICADE

Ideal for creating accessible work zones. Use as sidewalk closure barricade or longitudinal channelizer.

SafetyWall is a continuous, interlocking device. Meets ADA guidelines and MUTCD 2009 Edition Standards as a sidewalk closure barricade or longitudinal channelizer. SafetyWall provides the same level of pedestrian guidance as concrete or plastic barrier, but is easier to transport, install and remove.

Common vertical plane eliminates obstacles.

No obstacles in the walkway.

Gap between bottom of unit and ground is less than 2".

Meets MUTCD 6F.71, Longitudinal Channelizing Devices, for pedestrian traffic control.

Continuous bottom for guidance with cane. Gap is less than 2", reducing potential for trapping cane tips.

Hand-Trailing top is smooth, continuous, safer for the hand.

SafetyWall stacks for easy storage and transport.

SafetyWall is an interlocking device. Assembles quickly. No tools required.
1-2 person crew can easily create an accessible work zone in minutes.

Measures 3" W x 36.25" H x 74" L and weighs only 35 lbs.

Retroreflective sheeting meets all state and federal specifications, and is available in Hi-Intensity and Diamond grades.
Made from high density polyethylene plastic with UV-stabilizers.

We use 3M Reflective Sheeting.
**SafetyWall™**

**FEATURES AND SPECIFICATIONS**

**Product known as:**
- ADA-Compliant Pedestrian Barricade
- Temporary Traffic Control Device
- Pedestrian Channelizer Device
- Longitudinal Channelizing Device
- Type II Barricade
- Temporary Pedestrian Access Route (TPAR) Device

**Dimensions:**
3" W x 36.25" H x 74" L

**Weight:**
35 lbs.

**Material:**
High-density polyethylene plastic (HDPE), with UV inhibitors

**FHWA Acceptance Letter:**
WZ-315

**Crashworthy Status:**
Tested to Manual for Assessing Safety Hardware (MASH) Guidelines, Test Level 3

Retroreflective sheeting meets all state and federal specifications. Available in Hi-Intensity and Diamond grades.


Accepts Audible Information Devices and Warning Lights.

Centrally located carry handle allows for easy carry of one or two SafetyWall units.

Recessed bottom edge allows for use of pry bar to deploy legs.

Legs fold in for easy storage. Sections stack for easy transport and storage.

Helps support pedestrians in the event of a fall.

Retroreflective sheeting meets all state and federal specifications. Available in Hi-Intensity and Diamond grades.

**SafetyRail™**  
**ADA-COMPLIANT PEDESTRIAN BARRICADE**

Ideal for creating accessible work zones. Use as sidewalk closure barricade or longitudinal channelizer.

<table>
<thead>
<tr>
<th>SafetyRail is a continuous, interlocking device, and meets ADA guidelines and MUTCD 2009 Edition Standards as a sidewalk closure barricade or longitudinal channelizer device.</th>
<th>Features an oversized sand-fill hole for added ballast. Made from high density polyethylene plastic with UV-stabilizers.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common vertical plane eliminates obstacles.</td>
<td>Designed for use with PSS Wave® Guide Rail. Retroreflective sheeting meets all state and federal specifications, and is available in Engineer, Hi-Intensity and Diamond grades.</td>
</tr>
<tr>
<td>Gap between bottom guide rail and ground is less than 2&quot;.</td>
<td>38&quot; 24&quot;</td>
</tr>
<tr>
<td>No obstacles in the walkway.</td>
<td></td>
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</tbody>
</table>

**Hand-Trailing** top is smooth, continuous, safer for the hand.

**Cane-Ready** ground-hugging lower rail reduces potential for trapped cane tips.

Snap-in installation. No tools required.
### SafetyRail™

**FEATURES AND SPECIFICATIONS**

**PSS Wave Guide Rail**
Available in 4 or 6 foot lengths.
Encapsulated ends eliminate cane or hand snagging hazards.
The “Notch” design keeps guide rails in place.
Wave Guide Rail retroreflective sheeting meets all state and federal specifications. Available in Engineer, Hi-Intensity and Diamond Grades.
Available in unsheeted, or sheeted on one or both sides, in left, right or bi-directional configurations.

**Product known as:**
ADA-Compliant Pedestrian Barricade
Temporary Traffic Control Device
Pedestrian Channelizer Device
Longitudinal Channelizing Device
Type II Barricade
Temporary Pedestrian Access Route (TPAR) Device

**Dimensions:**
3.25" W x 38" H x 24" L at base

**Weight:**
7 lbs. empty.
Fill with up to 25 lbs. of sand

**Material:**
High-density polyethylene plastic (HDPE), with UV inhibitors

**Crashworthy Status:**
NCHRP-350, Test Level 3

**FHWA Acceptance Letters:**
SafetyRail Upright: WZ-278
Wave Panel: WZ-173

**Used With:**
Wave Guide Rail
0.8" W x 7.5" H x 48" or 72" L
High-density polyethylene plastic (HDPE), with UV inhibitors


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We use 3M Reflective Sheeting.

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3M

PSS Wave Guide Rail
Available in 4 or 6 foot lengths.
Encapsulated ends eliminate cane or hand snagging hazards.
The “Notch” design keeps guide rails in place.
Wave Guide Rail retroreflective sheeting meets all state and federal specifications. Available in Engineer, Hi-Intensity and Diamond Grades.
Available in unsheeted, or sheeted on one or both sides, in left, right or bi-directional configurations.

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ADA-Compliant Pedestrian Barricade
Temporary Traffic Control Device
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Wave Guide Rail
0.8" W x 7.5" H x 48" or 72" L
High-density polyethylene plastic (HDPE), with UV inhibitors


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We use 3M Reflective Sheeting.
The BoardWalk RAMP
TEMPORARY PEDESTRIAN MODULAR RAMP

Provides accessible, detectable and safe guidance where access routes cross curbs.

ADA Compliant
Benefits:
• Allows for any slope of 1” rise for 12” run.
• Modular Edge Support Castings provide guidance for use of canes and walking devices.
• PSS-supplied lumber has a slip-resistant surface.
• Suspended design allows for normal street drainage.
• Modular Edge Support Castings accommodate handrail assemblies.
• Approach Plates are 48” W x 18” L and feature slip-resistant surface.
• 4’ width is wheelchair friendly.

Replaces curb transitions and temporary ramps that are non-compliant.

BoardWalk Ramp shown perpendicular to curb.

Modular Edge Support Castings accommodate handrail assemblies.

Each modular section consists of two Edge Support Castings and two boards.
The BoardWalk RAMP
TEMPORARY PEDESTRIAN MODULAR RAMP

FEATURES AND SPECIFICATIONS

Modular Features:
- Modular sections connect for ramp length needed. No hardware required.
- Sections are portable at 30 lbs.
- Durable cast iron Edge Support Castings are 12” Wide x 8” High.
- Edge Support Castings designed for 2” x 6” slip-resistant lumber.
- Metal Approach Plates are 18” W x 48” L with slip-resistant grip tape.
- Ramp rated at 800 lb. capacity for 48” maximum width.

Purchase Options:
The BoardWalk Ramp is a modular device. Several purchase options are available. Please contact your PSS Roadway Safety Consultant or PSS Customer Service for details.

Modular sections connect for ramp length needed. No hardware required.

BoardWalk RAMP has a maximum slope of 8%, or 1:12 ratio.

Modular sections assemble in less than a minute!

US Patent No. 9,534,394.
BoardWalk RAMP with Platform and Handrails
Nominal dimensions shown
Ramp* 60"

48"

* Length of Ramp varies based on curb height. See page 10.
BoardWalk RAMP and Platform
RAMP HEIGHT SPECIFICATIONS

To achieve the correct ramp slope of a 1:12 ratio:
The number of modular ramp sections determines the slope of BoardWalk Ramp. The number of sections differs when using BoardWalk Ramp or BoardWalk Ramp and Platform. *The number of sections required is not the same for each.*

To determine the correct number of ramp sections for either BoardWalk Ramp or Ramp and Platform:
Which orientation of ramp do you require?

![Perpendicular to Curb](image1)

![Parallel to Curb](image2)

What is the height of the curb at the ramp installation site?
With those questions answered, use the chart below to determine the number of sections required per ramp orientation.

Example:
If you need a ramp perpendicular to the curb, and the curb height at installation is 6", you need a BoardWalk Ramp of 5 modular sections.

Example:
If you need a ramp parallel to the curb, and the curb height at installation is 6", you need a BoardWalk Ramp of 5 modular sections and a BoardWalk Platform.

<table>
<thead>
<tr>
<th>Curb Height (In.)</th>
<th>Perpendicular to Curb</th>
<th>Parallel to Curb</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>3</td>
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<tr>
<td>3</td>
<td>5</td>
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<td>4</td>
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<td>11**</td>
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<tr>
<td>13**</td>
<td></td>
<td>12**</td>
</tr>
</tbody>
</table>

**Midway supports required for Ramps longer than 9 sections.
BoardWalk Uni-Directional Platform

For use with BoardWalk Ramp when the alternate pedestrian pathway is parallel to the curb or sidewalk.
Available in right or left configuration.

With 4 adjustable Screw Jacks, Platform can accommodate curb heights from 2" to 14".

Like Boardwalk Ramp, Platform is 4' W x 5' L.
Wheelchair friendly.

Platform Handrail Upright and Screw Jack shown above.

Platform features the same components as BoardWalk Ramp:
• Modular Edge Support Castings provide guidance for use of canes and walking devices.
• Modular Edge Support Castings also accommodate handrails, which provide detectable guidance.
• PSS-supplied lumber has a slip-resistant surface.
• Approach Plate features slip-resistant surface.
BoardWalk Bi-Directional Platform

For use with BoardWalk Ramp when the alternate pedestrian pathway is parallel to the curb or sidewalk.

From left to right in two quick changes!

Left Turning Platform:
For a temporary pedestrian pathway that turns left from the curb, the movable, detectable edge is attached to the edge support castings on the right. Pedestrians are safely guided to turn left.

Right Turning Platform:
To guide pedestrians to make a right turn, simply attach the Moveable Detectable Edge to the left side. Do the same with the horizontal handrail, and it’s done!

Platform features the same components as BoardWalk Ramp:
- Modular Edge Support Castings provide guidance for use of canes and walking devices.
- Modular Edge Support Castings also accommodate handrails, which provide detectable guidance.
- PSS-supplied lumber has a slip-resistant surface.
- Approach Plate features slip-resistant surface.
- Like Boardwalk Ramp, Bi-Directional Platform is 4’ W x 5’ L.
- Wheelchair friendly.

With 4 adjustable Screw Jacks, Bi-Directional Platform can accommodate curb heights from 2” to 14”.
SafetyWall™
ASSEMBLY INSTRUCTIONS
No hand tools required.

Always assemble SafetyWall onsite. Do not attempt to drag an assembled array to another location.

1. Transport SafetyWall to the Installation Site:
SafetyWall weighs only 35 lbs. One person can easily transport a single barricade by hand.
SafetyWall features fork portals for fork lift transportation.

2. Unfold the legs of the 1st Device:
Place the 1st device at the beginning of the channelizer array, with its front facing the pedestrian walkway. Remember, the legs are on the back of the device.
Unsnap the legs, and swing them 90° from the unit, or as much as space allows.

3. Ballast with sandbags:
SafetyWall can function without ballast. For best performance, place at least 1 each 45 lbs. sandbag on each leg.

4. Align the 2nd Device with the 1st:
Bring a 2nd device into place. Make sure both devices face in the same direction.
Align the male pins of the 2nd device with the female ends of the 1st.

5. Insert the Top Male Pin 1st:
Slowly insert the top male pin first, ensuring that the bottom pin is in line with the female end.
Complete the connection by inserting the bottom pin.

6. Unfold the legs and add Ballast:
Unfold both legs of the 2nd device; angle them in a degree similar to the 1st, or as space allows.
Add ballast to both legs. Repeat the process, adding 1 device at a time, until the installation is complete.
SAFETYWALL™
ASSEMBLY INSTRUCTIONS

Attach SafetyRail, our other ADA-Compliant Pedestrian Barricade, to SafetyWall!

Attaching SafetyRail to SafetyWall Requires
PSS Transition Wedge Kit and hand tools.

Use only 4’ SafetyRail Wave panels.

1. Facing the front of the SafetyWall device, locate the upper and lower panel mounting holes on either side. Note they are partially molded through. Drill through mounting holes with a 5/16” diameter drill bit. Drill through from both sides.

2. Align the holes of the Transition Wedge with the bottom holes in SafetyWall.

3. Hold the wedge in place on the front side of SafetyWall. Align the 4’ Wave panel with both the wedge and SafetyWall. The flange of the wedge should be in-between. The end of the panel should make full contact with the wedge.

4. Fasten the wedge and the panel to SafetyWall with the hardware provided. Fasten the hardware with the flush-mount nut on the pedestrian walkway side. Tighten “finger tight”.

5. For support, attach the bottom panel to the SafetyRail upright. (See our SafetyRail Assembly Instructions.)

6. Repeat the process for the top 4’ Wave panel. Once both panels are attached to SafetyWall and SafetyRail, fully tighten the hardware with hand tools.

7. Cover the exposed notches of the panels with duct-tape, to reduce potential for snagging.

8. Continue to build a SafetyRail SafetyWall array as needed.

Mounting warning lights & audible devices requires PSS Light Mount and hand tools.

1. To mount warning lights or audible information devices, use the PSS Light Mount Kit, which includes flush-mounted hardware.

2. Attach PSS Light Mount using either top or bottom mounting holes. (Top holes for devices, bottom for batteries.) Always attach mounts to the back of SafetyWall, the construction side, so that the mounts do not interfere with hand or cane guidance.

3. Attach the light mount with the hardware provided. Fasten the hardware with the flush-mount nut on the pedestrian walkway side.

4. PSS does not manufacture or market warning lights or audible information devices. Follow light or device manufacturers’ recommendations for installation, maintenance and removal.

5. Note that the PSS Light Mount requires a 4½” tamper-resistant bolt and washer to attach lights or audible information devices.

6. Repeat the process wherever warning lights or audible information devices are required in the SafetyWall array.
SafetyRail™
ASSEMBLY INSTRUCTIONS
No hand tools required.

Always assemble SafetyRail onsite. Do not attempt to drag an assembled array to another location.

1. For a successful assembly: Attach the lower guide rail first!
2. Line-up the guide rail with the upright.
3. Insert the guide rail into the center of the bushing. The inserted end of the guide rail must rest flush against the back of the upright.
4. Secure the upper and lower notches of the guide rail with the bushing. Use the side of the bushing that is closer to the direction in which the barricade array will be built.
5. Turn the guide rail into a position perpendicular to the upright. The guide rail should turn easily, without force. If the guide rail binds, do not force it to turn. Simply, reverse the process: disengage the guide rail, and start again.
6. At this point, the SafetyRail Barricade should look just like this.
7. Attach the 2nd Upright: Line-up the upright with the guide rails. Insert and center the guide rail, beginning with the lower guide rail. Make the guide rail flush with the back of the upright.
8. Secure the guide rail with the bushing. Use the side of the bushing closer to the upright already attached.
9. Turn the upright to the desired position.

Ballast Options: Use sandbags, or fill SafetyRail with up to 25 lbs. of sand.

SafetyRail will accommodate Type A or C warning lights.
SafetyRail will also accommodate some audible warning devices. PSS does not manufacture or market warning devices.

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