

DEPLOYMENT GUIDE - SITEGUIDE™

The SiteGuide™ is an Americans with Disabilities Act (“ADA”) compliant Longitudinal Channelizing Device (“LCD”) and water filled plastic barricade used for pedestrian channelization and perimeter security.

The SiteGuide™ has been tested pursuant to the Manual for Assessing Safety Hardware 16 (“MASH 16”) Test Level 3 (“TL-3”) as an LCD.

When assembled as an LCD, the SiteGuide™ is eligible for Federal-Aid reimbursement as a MASH 16 TL-3 LCD on the National Highway System.

When assembled as an LCD, the units are attached end-to-end using a pin and cup connector. Additional accessories are available that allow the SiteGuide™ to be used for perimeter fencing applications.

Features

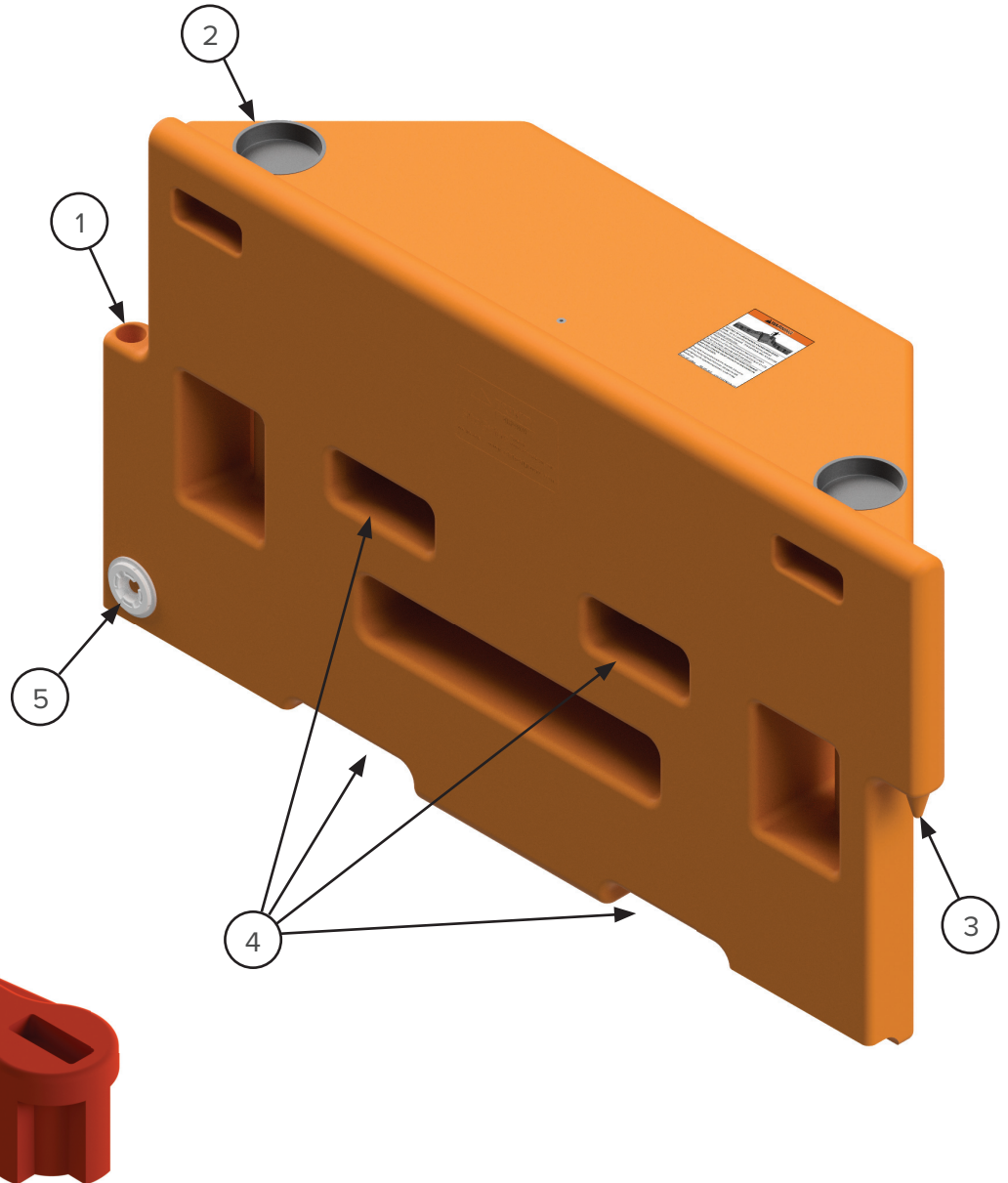
1. Connecting Cup
2. Fill Hole
3. Connecting Pin
4. Forklift Ports
5. Drain Plug

Specifications

- 5’ length
- 16” width
- 33” height
- Empty Weight: 49 lbs.
- Full Weight: 668 lbs.
- Capacity: 74 gal.

Recommended Tools:

- Drain Wrench



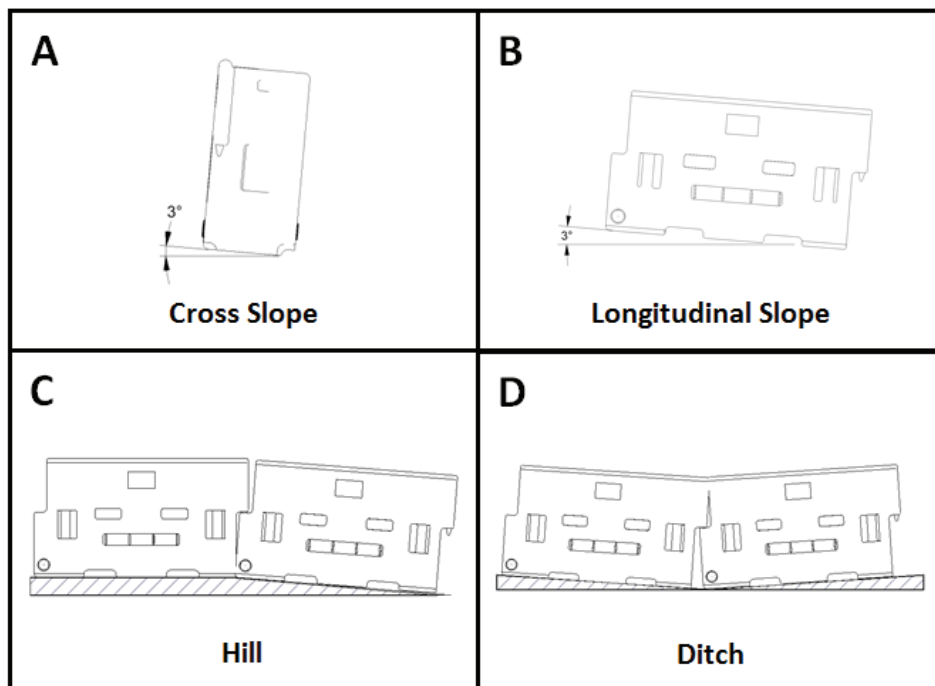
FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN DAMAGE OR CAUSE PERSONAL INJURY / DEATH TO PEDESTRIANS AND VEHICLE OCCUPANTS.

Longitudinal Channelizing Device (LCD) Deployment

1. Determine the SiteGuide® deployment location and follow the instructions of the local authority or project manager.
2. Position the SiteGuide® modules in line with each other and join each unit to the next using the pin and cup connection.
3. Ensure that all Drain Plugs are properly secured.
4. Remove one or both Fill Caps.
5. Completely fill each SiteGuide® with water to the top of the fill port.
6. Attach Fill Caps to prevent water loss and to keep debris out of the barricade.

NOTES for deployment of LCD:

- 1) The LCD may be placed on cross slopes up to 5% (3°). – Figure A
- 2) The LCD may be placed on longitudinal slopes up to 5% (3°). – Figure B
- 3) The LCD has the ability to conform to a hill up to 5% (3°). – Figure C
- 4) The LCD has the ability to conform to a ditch up to 5% (3°). – Figure D



SiteGuide® Removal

1. Remove Fill Caps.
2. Remove Drain Plug at base of barricade and let water drain completely.
3. When barricade is empty, secure Drain Plug and Fill Cap(s).
4. The barricades are now ready for removal and storage.

Perimeter Security with Fence Panel Deployment (Not MASH Tested)



Important: A SiteGuide® with fence panels must only be used on level ground.

1. Position the SiteGuides® in a line and join each unit to the next using the pin and cup connection points.
 - a. If required, the SiteGuide® can be positioned to make corners and angled deployments from 90° to 270° while remaining connected. Simply rotate the connected units to the desired position before filling with water.
2. Ensure that all Drain Plugs are properly secured.
3. Remove both Fill Caps.
4. Completely fill each SiteGuide® with water to the top of the fill port.

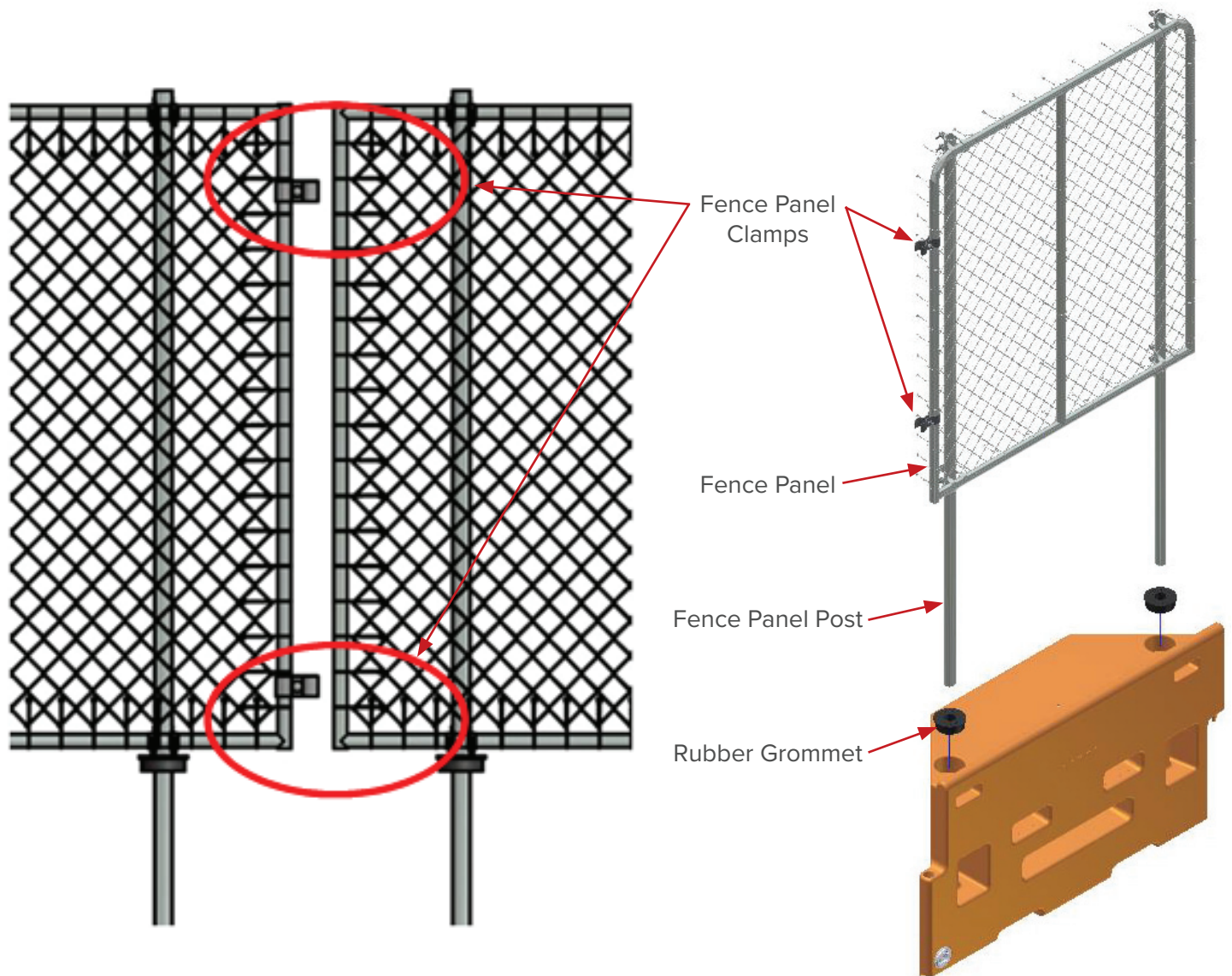


Important: Ensure the barricades are completely filled with water to prevent unwanted tipping.

5. Slide the Rubber Grommets onto each Fence Panel Post. With the assistance of an additional person or persons (as needed), lift the Fence Panel on top of the SiteGuide® and place the Fence Panel Posts into the fill holes. The posts should seat firmly into the base of the barricade. Position the Rubber Grommets firmly in the fill holes. The chain link mesh should be positioned towards the outside face of the barricade.
6. Interconnect the Fence Panels using two (2) Fence Panel Clamps, each one approximately 12” from the top and bottom of the Fence Panel.



Important: Do not attach screening to SiteGuide® Fence Panels. Using additional screening on the SiteGuide® may result in unwanted tipping.

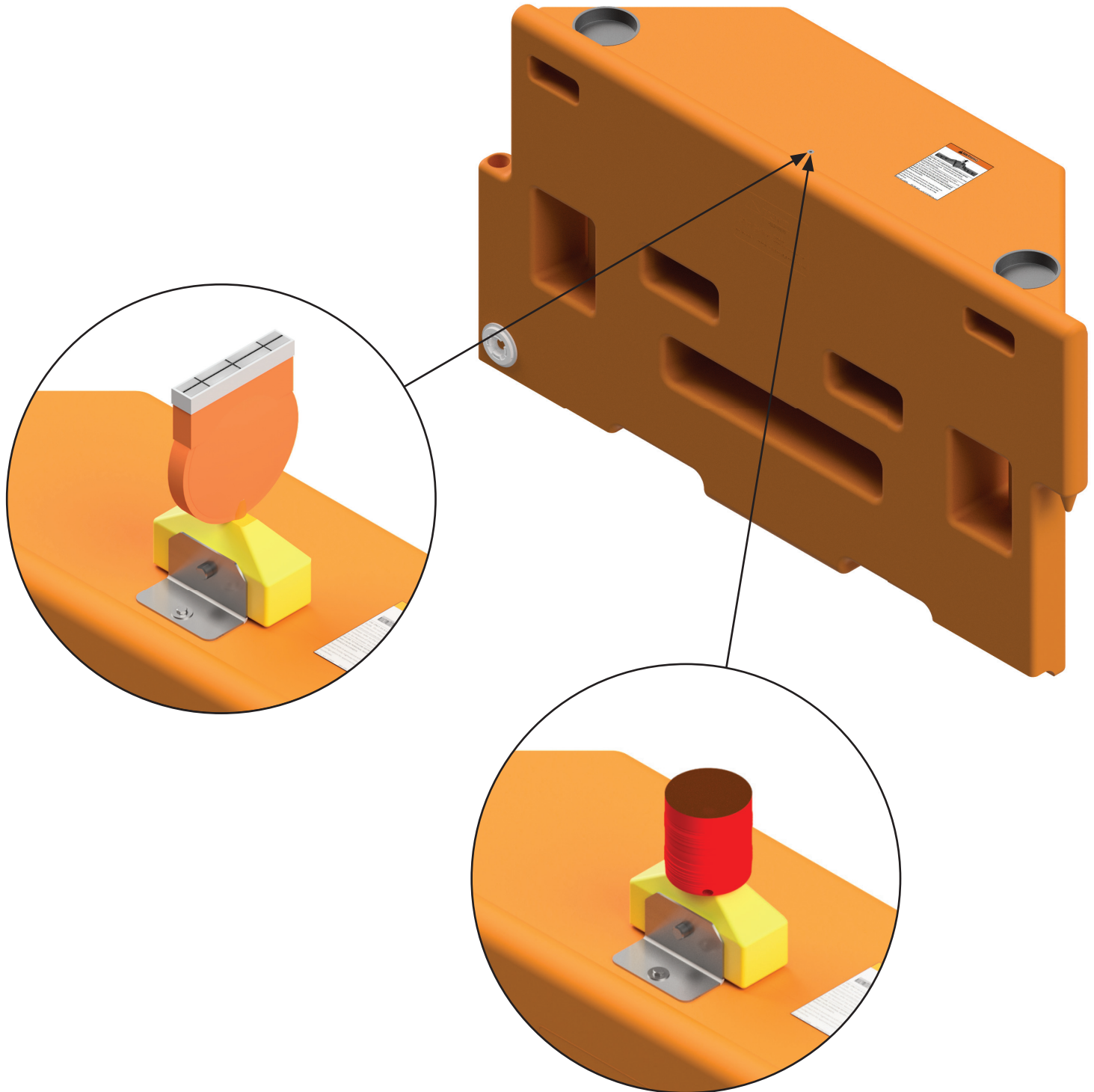


Perimeter Security with Fence Panel Removal

1. Remove Fence Panel Clamps.
2. With the assistance of an additional person or persons (as needed), lift the Fence Panel out of the barricade and lower onto the ground.
3. Remove the Rubber Grommets off the Fence Panel Posts. Retain Grommets for later use.
4. Remove Drain Plug at base of barricade and let water drain completely.
5. When barricade is empty, secure Drain Plug and Fill Caps.
6. Empty barricades and Fence Panels are now ready for transport and storage.

Warning Light Assembly

1. Attach Warning Light Bracket using hardware provided with the Warning Light.
2. Attach Warning Light to SiteGuide® by inserting the 1/4"-20 x 3/4" bolt through the bracket mounting hole and into the threaded insert on top of the SiteGuide®.
3. Tighten fastener using a socket or hand wrench



Cold-Weather Environments and Anti-Freeze Recommendations

When deploying in cold-weather, consider the following procedures when filling the SiteGuide® with water:

1. Choose the level of freeze point protection anticipated.
2. Choose your anti-freeze agent from the charts below.
3. Use the appropriate anti-freeze agent for your location when filling the SiteGuide®.

Chart 1		Anti-Freeze Chemicals - Mix per Section				
Valtir Model		SiteGuide®				
Required Freeze Point Protection		20° F	10° F	0° F	-10° F	-20° F
Dry Material (in lbs.)	Calcium Chloride (CsCl ₂)	57	86	103	125	137
	Calcium Magnesium Acetate (CMA)	91	125	154	177	188
	Magnesium Chloride (MgCl ₂)	51	74	91	103	114
	Potassium Acetate (Kac)	51	114	143	171	194
	Sodium Chloride (NaCl ₂)	57	68	120	N/A	N/A
Liquid Material (in Gallons)	Ethelyne or Propylene Glycol	12	17	22	26	30

Chart 2		Anti-Freeze Chemicals - Bulk Mix				
Valtir Model		SiteGuide®				
Required Freeze Point Protection		20° F	10° F	0° F	-10° F	-20° F
Dry Material (lbs./gallon)	Calcium Chloride (CsCl ₂)	0.8	1.2	1.5	1.5	2.0
	Calcium Magnesium Acetate (CMA)	1.3	1.8	2.2	2.6	2.7
	Magnesium Chloride (MgCl ₂)	0.7	1.1	1.3	1.5	1.7
	Potassium Acetate (Kac)	0.7	1.7	2.1	2.5	2.8
	Sodium Chloride (NaCl ₂)	0.8	1.0	1.7	N/A	N/A
Liquid Material (Volume Mix Ratio)	Ethelyne or Propylene Glycol	17%	25%	33%	39%	45%

Note: The two charts are for reference only and do not guarantee freeze protection.

1. For those mixtures that may be slick, if a spill occurs, the solution should be washed away with large amounts of water and the area sanded to prevent skidding.
2. Before an antifreeze solution is chosen, the user should check local ordinances regarding environmental issues.

QUESTIONS: For questions, requests, or additional copies, please contact Valtir Rentals at (888) 496-3625 or www.valtir.com