

# HYDROCADE™ WATER BARRICADE SYSTEM

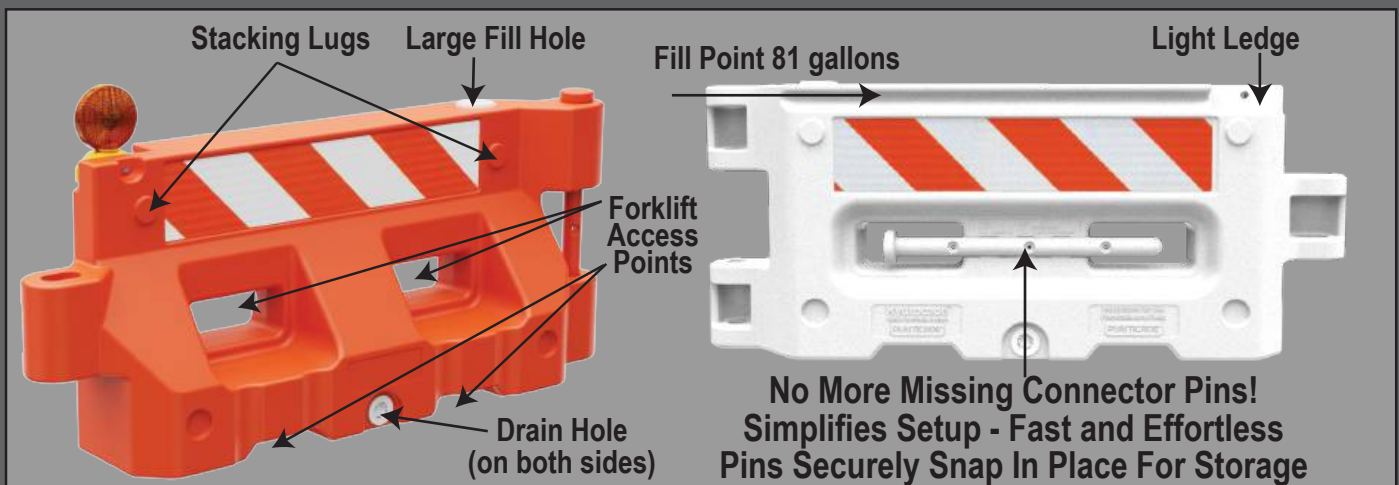
## TL-3 Longitudinal Channelizing Device\*



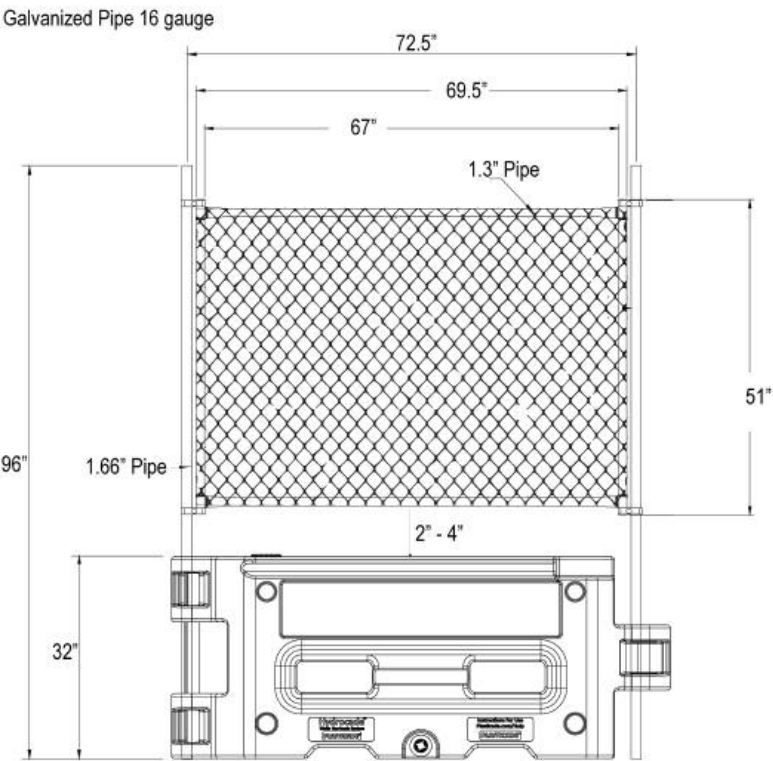
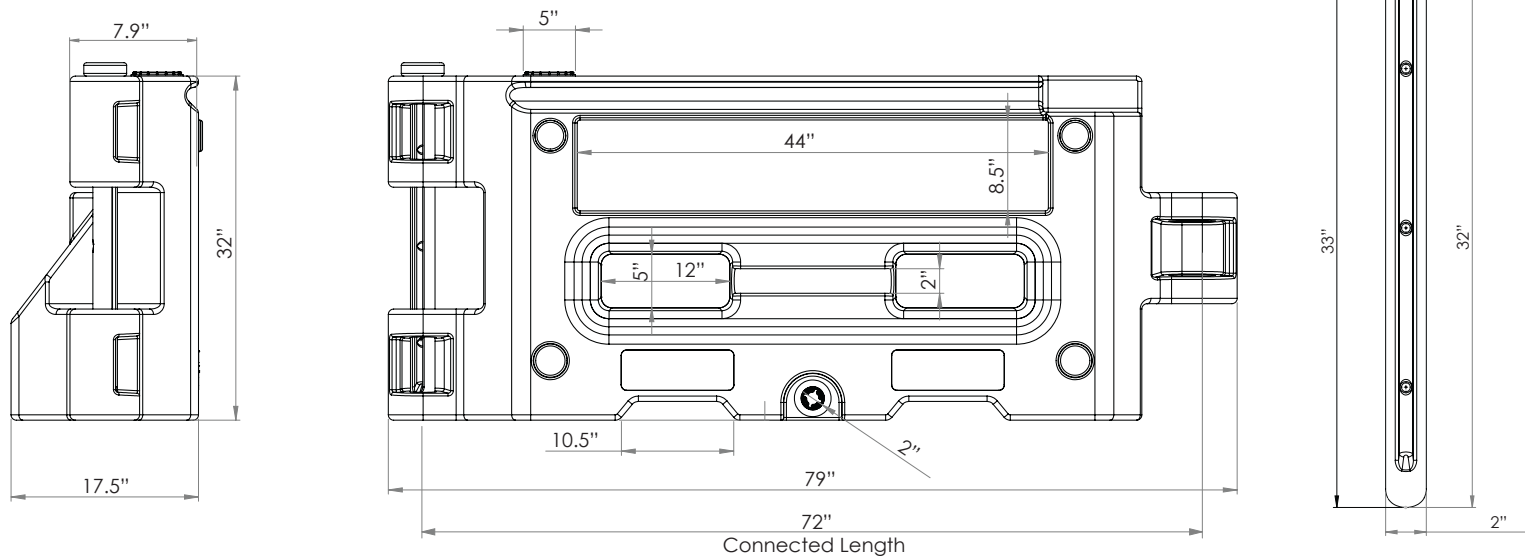
- 72"L x 32"H longitudinal channelizing device (182.9 cm L x 81.3 cm H)
- Unique stacking design allow for up to 50% more units per truckload
  - 200 units per truck, 8 units per pallet
- Durable construction, impact resistant
- Flat obstruction free side, position to eliminate pedestrian trip hazard
- Conforms to any roadway design
  - turns 90° and adjusts to curbs up to a 6° incline
- Connector pins snap onto barricade center for storage and transport
  - sturdy and tough pins, built with strength-enhancing channels
- Fill with 81 gallons of water for LCD deployable weight of 745 lbs.
  - every unit is leak tested
- Two forklift access areas
- Stacking lugs keep stacked units from sliding
- Light shelf for standard barricade light
- Accepts optional fence panels in place of connector pins
- Areas for retroreflective striped sheeting 44" x 8" (111.8 cm x 20.3 cm) on both sides
- Standard in orange and white, custom colors available
- Crash tested for TL-3 MASH Acceptance, submitted to FHWA\*
- Meets MUTCD Standards



**Unique Stacking Design!**  
**8 Units/Pallet**  
**200 Units/Truck**



# HYDROCADE™ WATER BARRICADE SYSTEM



## Specs

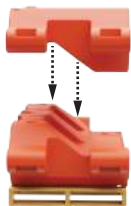
Composition	Medium density polyethylene
Dimensions	79" L x 17.5" W x 32" H 200.7 cm x 44.5 cm x 81.3 cm Top Width: 18" (45.7 cm)
Weight	Empty - 67 lbs. (30.39 kg) LCD Deployed Weight 745 lbs. (338 kg.) Fill with 81.24 gallons of water (307.5 L)
Pin Weight	1.8 lbs. (0.82 kg)
Wall Thickness	.25 +/- 20% (0.635 cm)
Retroreflective Sheeting	Striped sheeting in engineer grade or high intensity prismatic grade
Color	Orange and white

Use a Drum Bung/Plug Wrench to fit 3/4" and 2" bungs for removal and tightening of drain plug.  
Available for purchase  
Part # HYD-WRENCH

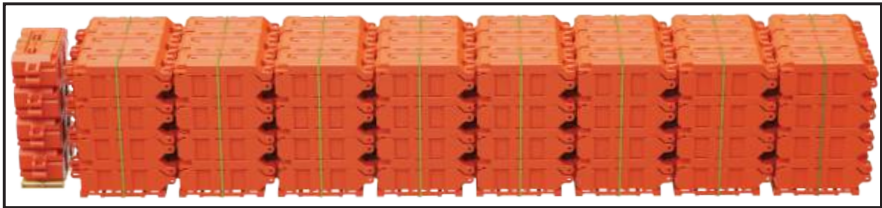


## Optional fencing replaces connector pins

(Note: Hydrocade With Fencing Has Not Been MASH Tested)



Compact Stacking



200 Units in 53' Truck

This device is not a barrier and should not be used where a re-directive device is required or desired.

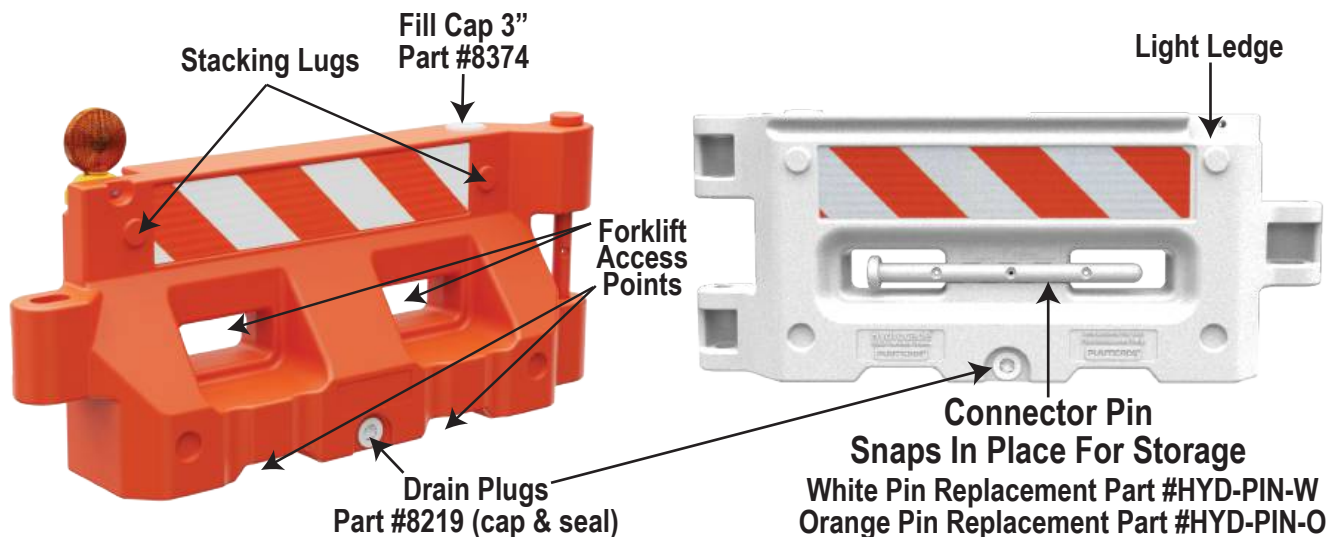
Patents Pending  
**MADE IN THE USA**

# HYDROCADE™ WATER BARRICADE SYSTEM

## DEPLOYMENT INSTRUCTIONS

Crash tested to TL-3 MASH requirements

*The Hydrocade is not a barrier and should not be used where a re-directive device is required.*



### Recommended Tools

Drum Bung/Plug Wrench to fit 3/4" and 2" bungs for removal and tightening of drain plug.  
Part # HYD-WRENCH



### Barricade Light

Use with standard barricade light  
Bolt Size Needed - 5 1/2" - 13 (Part 8375)  
Light Kit is available - Part 8072-BOLTKIT, includes A/C 3 Way D Cell Light with part 8375 Bolt

### Set Up



**Failure to comply with instructions may lead to damage or pose a risk of injury or death to pedestrians and vehicle occupants.**

- 1.Position units next to each other and remove pin from storage position and use to join each unit to the next in line.
- 2.Check drain plugs to make sure they are secured, use Drain Wrench to tighten
- 3.Remove the fill caps
- 4.Fill each unit to full capacity 81.24 gallons
- 5.Reattach fill caps to prevent water loss

### Removal

- 1.Remove the fill caps
- 2.Remove drain plug and let water completely drain out
- 3.Reattach fill caps and drain plugs
- 4.Barricades can now be moved



Flat Side (front)  
Faces Pedestrians



Back Side  
Faces Vehicles/Construction

### Hydrocade System Adjusts To Uneven Ground



Up to 6° incline over curbs



Up to 3° adjustment for ditches



## Cold-Weather Anti-Freeze Recommendations

Expected Low Temperature	Calcium Chloride (CsCl <sub>2</sub> )		Calcium Magnesium Acetate (CMA)		Magnesium Chloride (MgCl <sub>2</sub> )		Potassium Acetate (Kac)		Sodium Chloride (NaCl <sub>2</sub> )		Liquid Ethylene or Propylene Glycol	
	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit gal./section	Bulk Ratio %
20°	57	0.8	91	1.3	51	0.7	51	0.7	57	0.8	12	17%
10°	86	1.2	125	1.8	74	1.1	114	1.7	68	1	17	25%
0°	103	1.5	154	2.2	91	1.3	143	2.1	120	1.7	22	33%
-10°	125	1.5	177	2.6	103	1.5	171	2.5	N/A	N/A	26	39%
-20°	137	2	188	2.7	114	1.7	194	2.8	N/A	N/A	30	45%

1. Local ordinances should be consulted before choosing an anti-freeze solution.
2. Bulk mix the chosen material with water, using the above chart.
3. The amounts provided are approximate and should not be relied upon as a guarantee against freezing.
4. Ensure any spills are thoroughly cleaned, as the mixtures can be slippery. Rinse the area with plenty of water and apply sand to reduce the risk of slipping.

## Fencing Panel Installation Instructions

(Note: Hydrocade With Fencing Has Not Been MASH Tested. Fence panels are not typically used in highway work zones.)



**Fencing can only be used when units are placed on level ground.**  
**Units must be filled with water while using fencing.**

### Fence Parts

Post Part #568 - 96"L x 1.66" Diameter

Fence Panel Part #569 - 67"W x 51"H x 1.3" Diameter

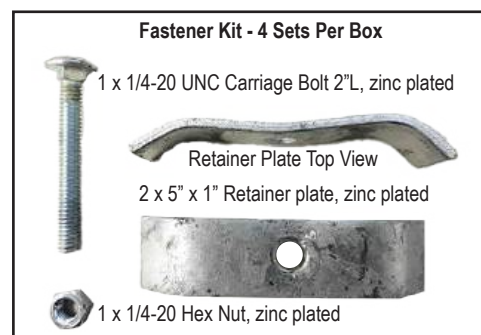
Fastener Kit Part #570 - Box with 4 hex bolts, 4 nuts, and 8 retainer plates

#### Ordering Note:

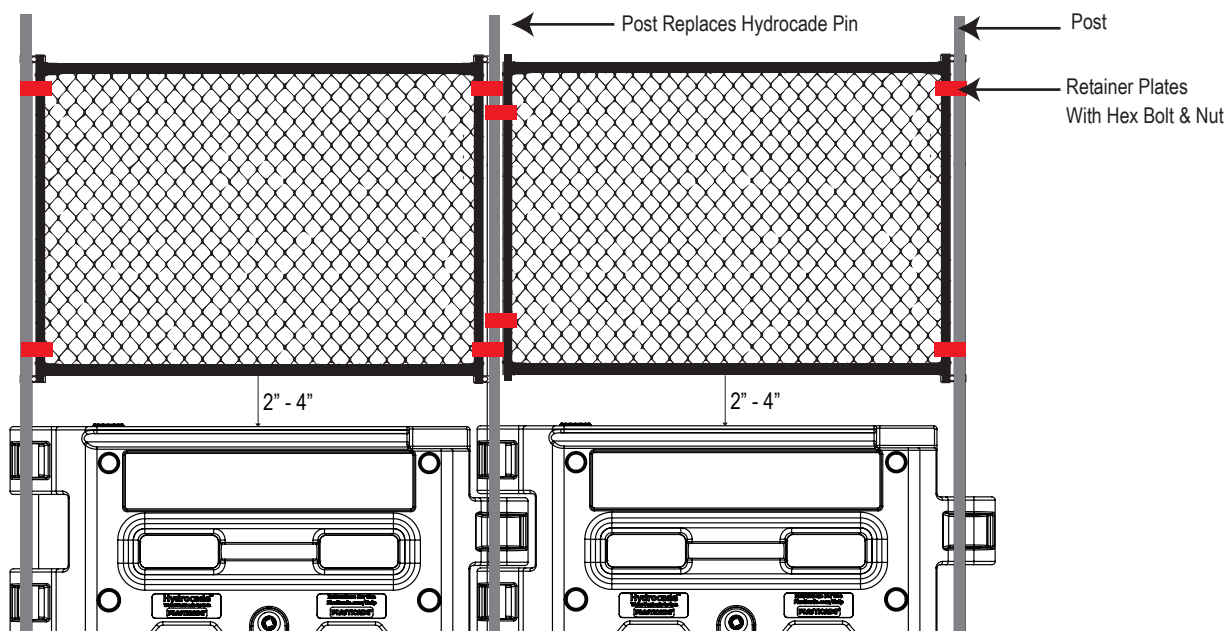
One Post is needed for each Hydrocade unit **+1 additional post for last unit in line**

One Fence Panel is needed for each Hydrocade unit

One Fastener Kit is needed for each unit

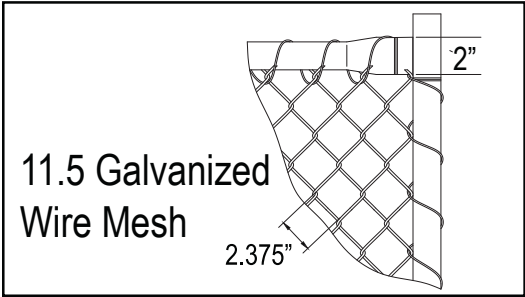
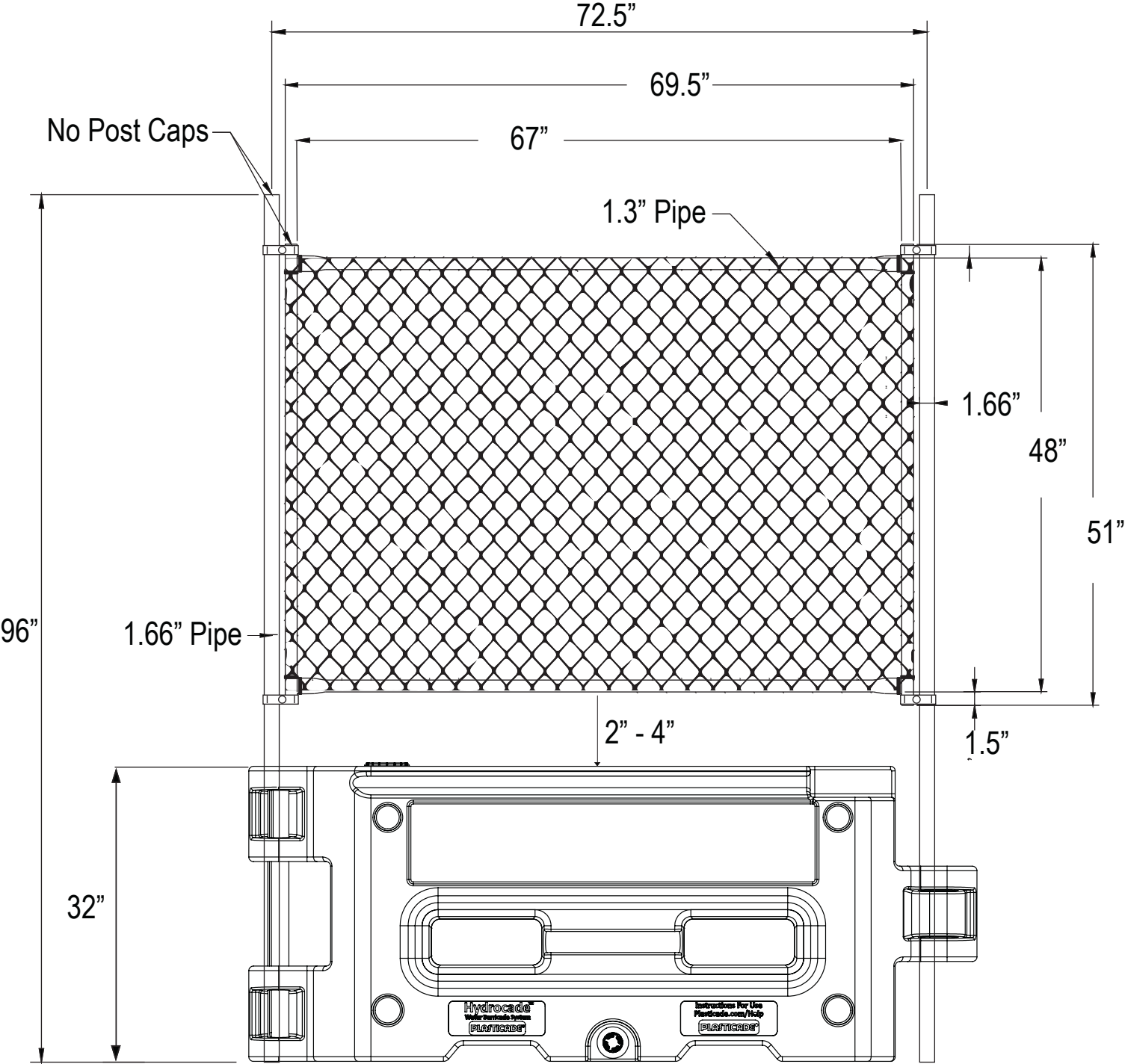


Two Retainer Plates  
Held together with one Hex Bolt & Nut



# FENCING PANEL SPECIFICATION

Galvanized Pipe 16 gauge



**Barrier HQ**  
SBA WOSB  
Woman Owned Small Business

For more information:  
Call: (800) 930-0901  
Email: [sales@BarrierHQ.com](mailto:sales@BarrierHQ.com)  
Web: [www.BarrierHQ.com](http://www.BarrierHQ.com)