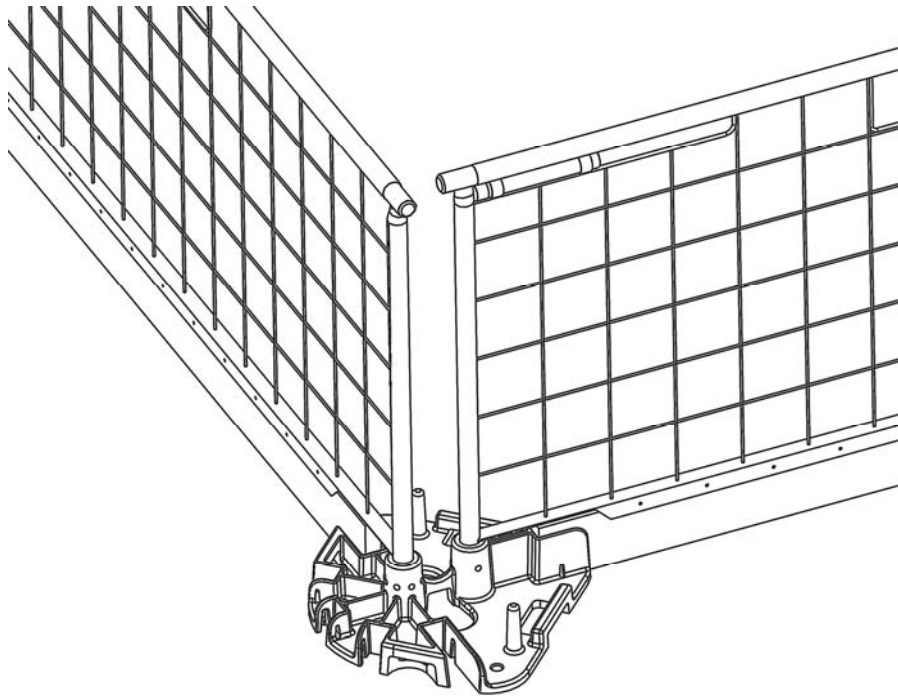


JULY 2005

EDGE GUARD™

Fall Protection • Made by Superchute®



Instruction Manual

1-800-363-2488

www.superchute.com

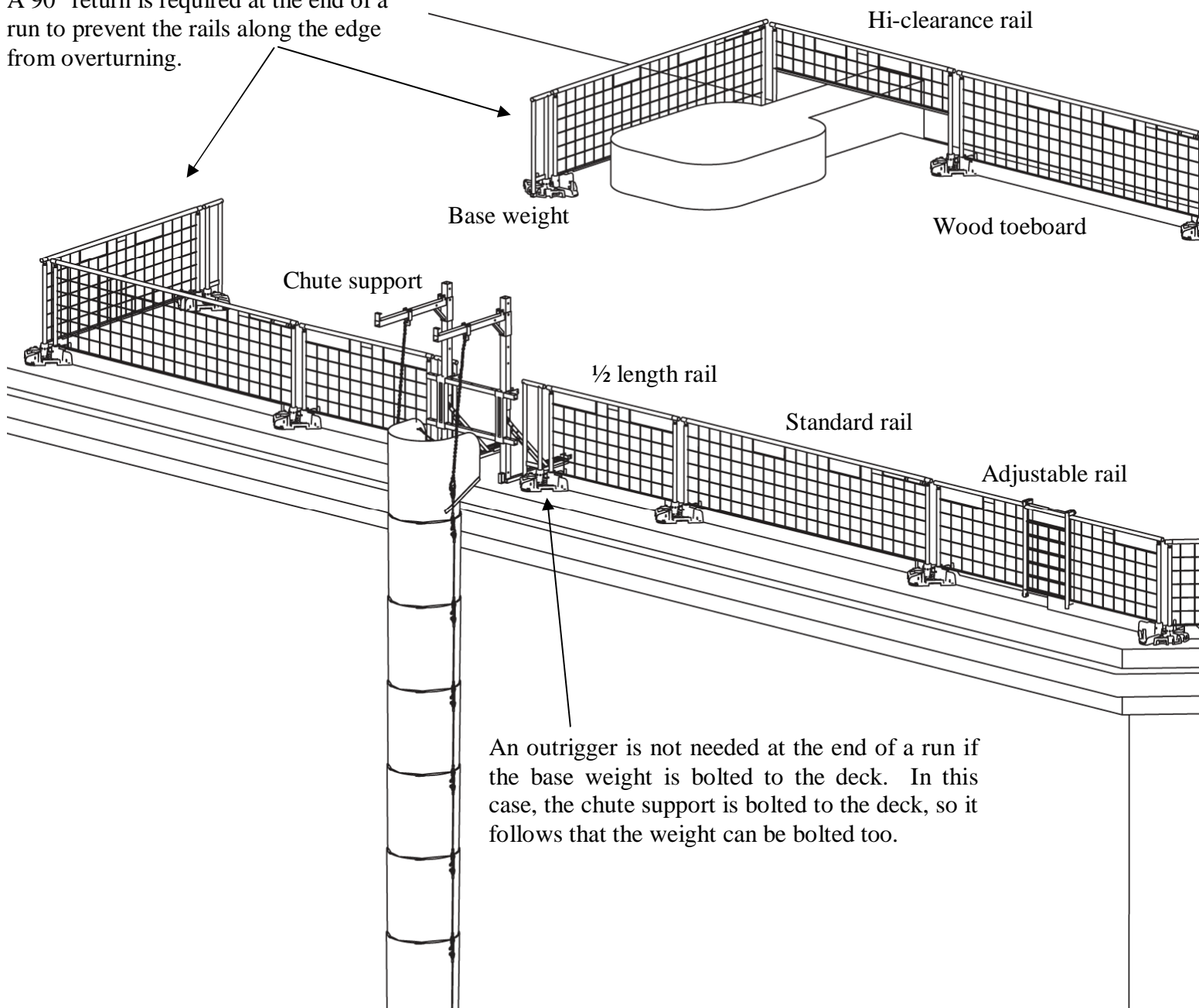
US & CND Patents Pending

IMPORTANT REFERENCE DOCUMENT

Sample Installation

Outriggers

A 90° return is required at the end of a run to prevent the rails along the edge from overturning.

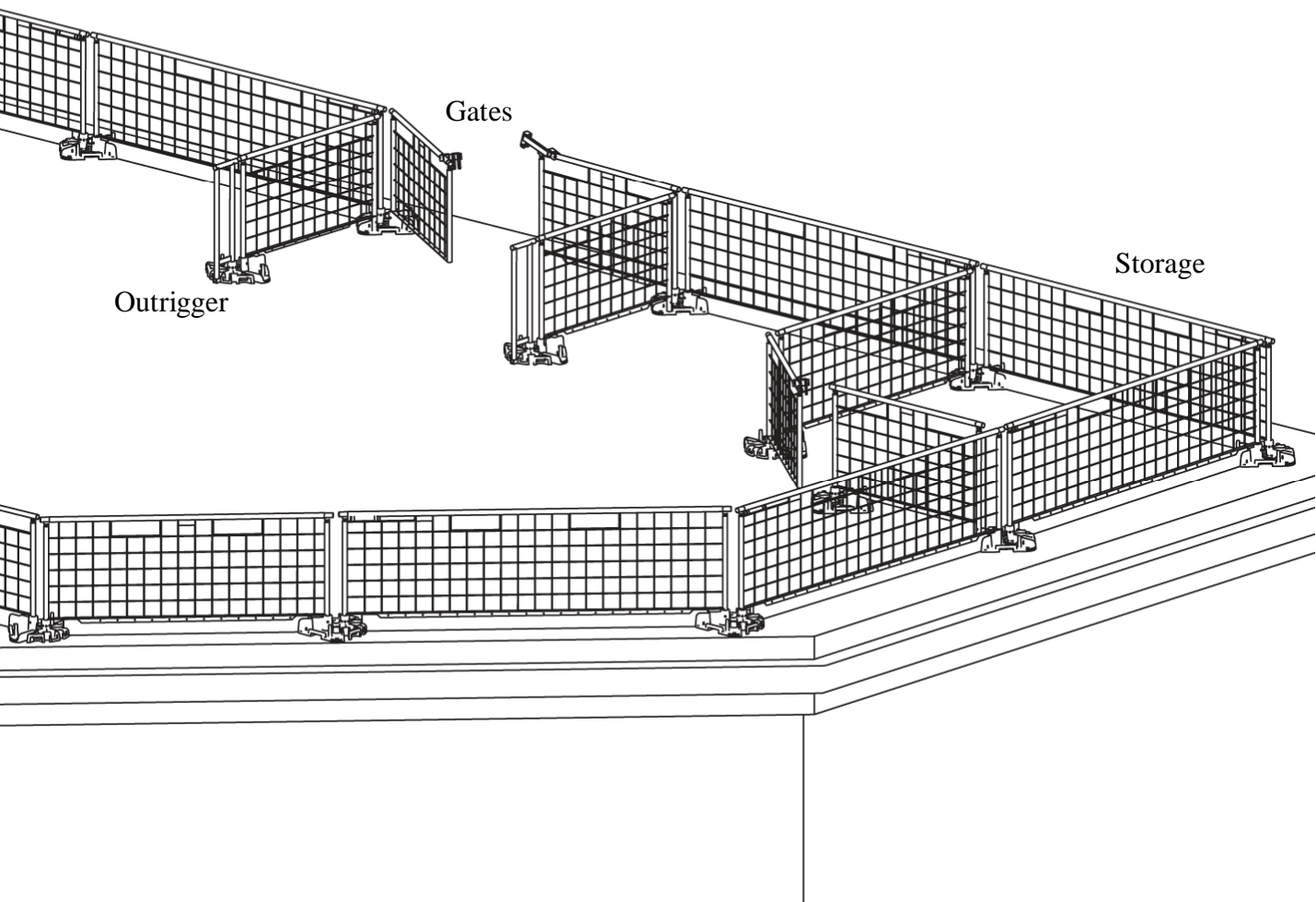


Designed to meet & exceed the requirements of OSHA
Part 1926, Subpart M, Fall Protection.

“Each employee on a walking/working surface ... with an unprotected side or edge which is 6 ft or more above a lower level shall be protected from falling by the use of guardrail systems, safety net systems, or personal fall arrest systems.”

“An unprotected side or edge means any side or edge ... where there is no wall or guardrail system at least 39” high.”

From OSHA Part 1926 Safety and Health Regulations for Construction, Subpart M, Fall Protection



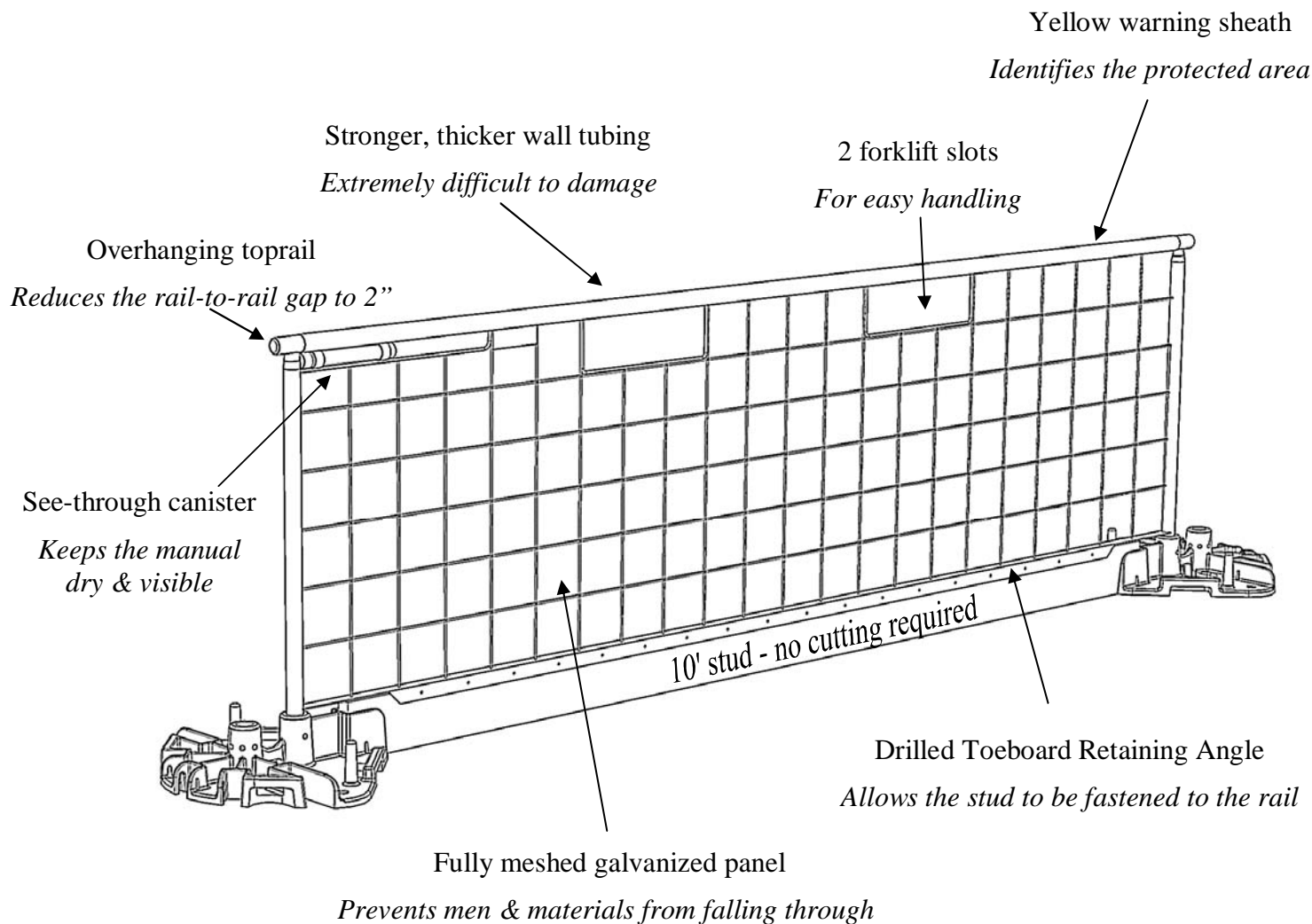
Easily resists the 200 lb test without damage.

(the ends of any railing system must have additional support to prevent overturning)

OSHA 1926.502(b)(3)

“Guardrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds applied within 2 inches of the top edge, in any outward or downward direction, at any point along the top edge.”

The Railing



Edgeguard™ is quicker & easier to install than any other system on the market, because:

- 11' rails are longer than any other rail, so you require less base weights.
- 11' rails use 10' long **uncut** studs as toeboards (2" x 4" minimum). Eliminates sawing!
- Counterweights have **built-in** toeboard brackets.
- All rails & weights are managed by a heavy duty handling system (bins, pallets, carts).

The Weight

4 Ergonomic handles

A weight must never be picked up by 1 person.

It is too heavy.

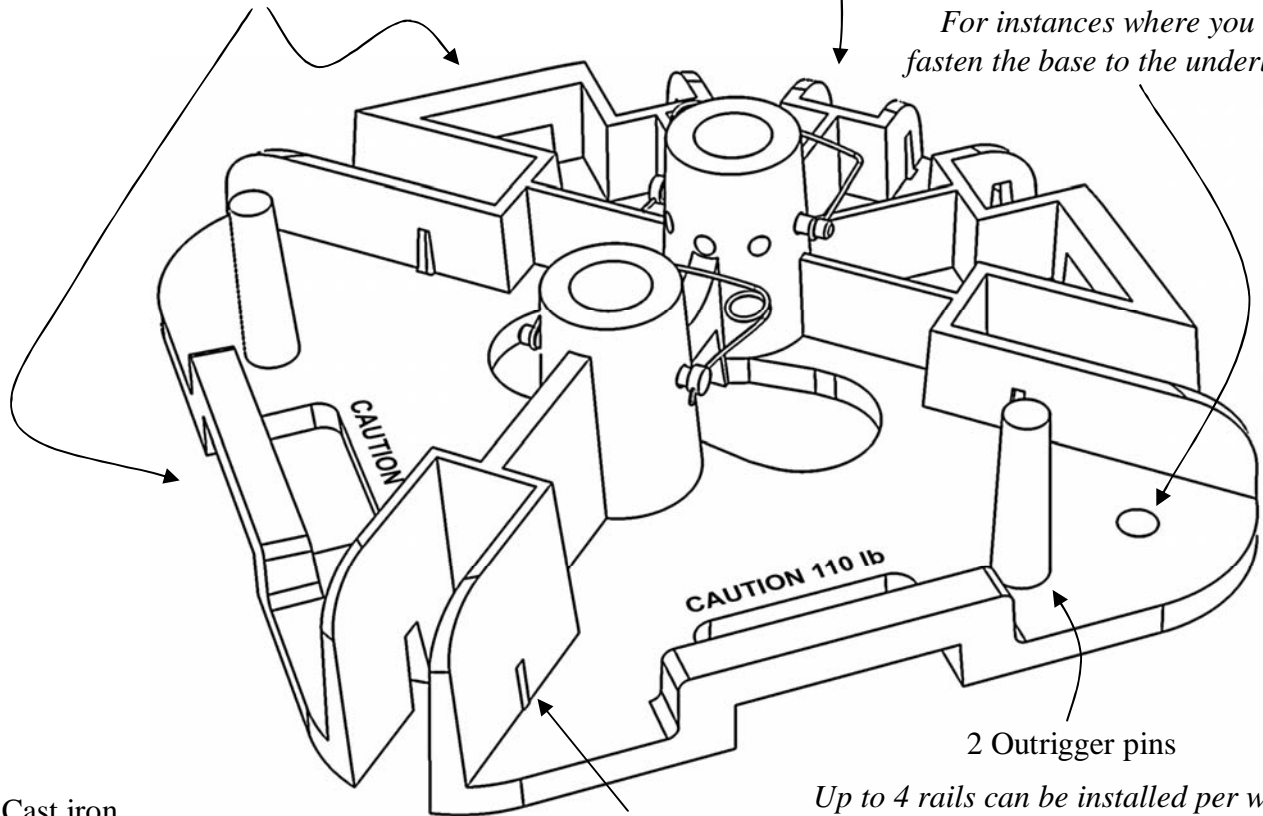
Always use 2 or more people to safely lift a weight.

6 Toeboard brackets

Allow 180°, 90°, and 45° rail placement

2 Anchor bolt holes

For instances where you need to fasten the base to the underlying deck



- Cast iron
- Galvanized or painted finish

Nail holes

For securing the toeboard

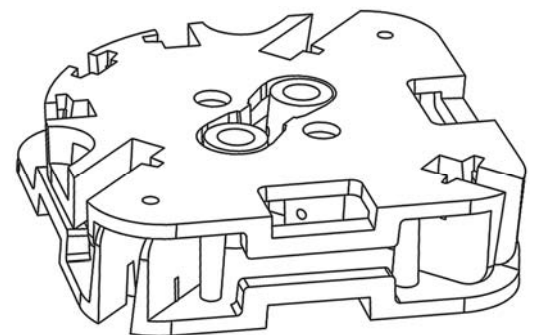
2 Outrigger pins

Up to 4 rails can be installed per weight

To Build A Railing:

Simply lay down a weight, a stud, a weight, and so on.

This method allows all the weights to be placed first, then all the rails. If toeboards are not required, then simply use one 10' stud as your spacer.



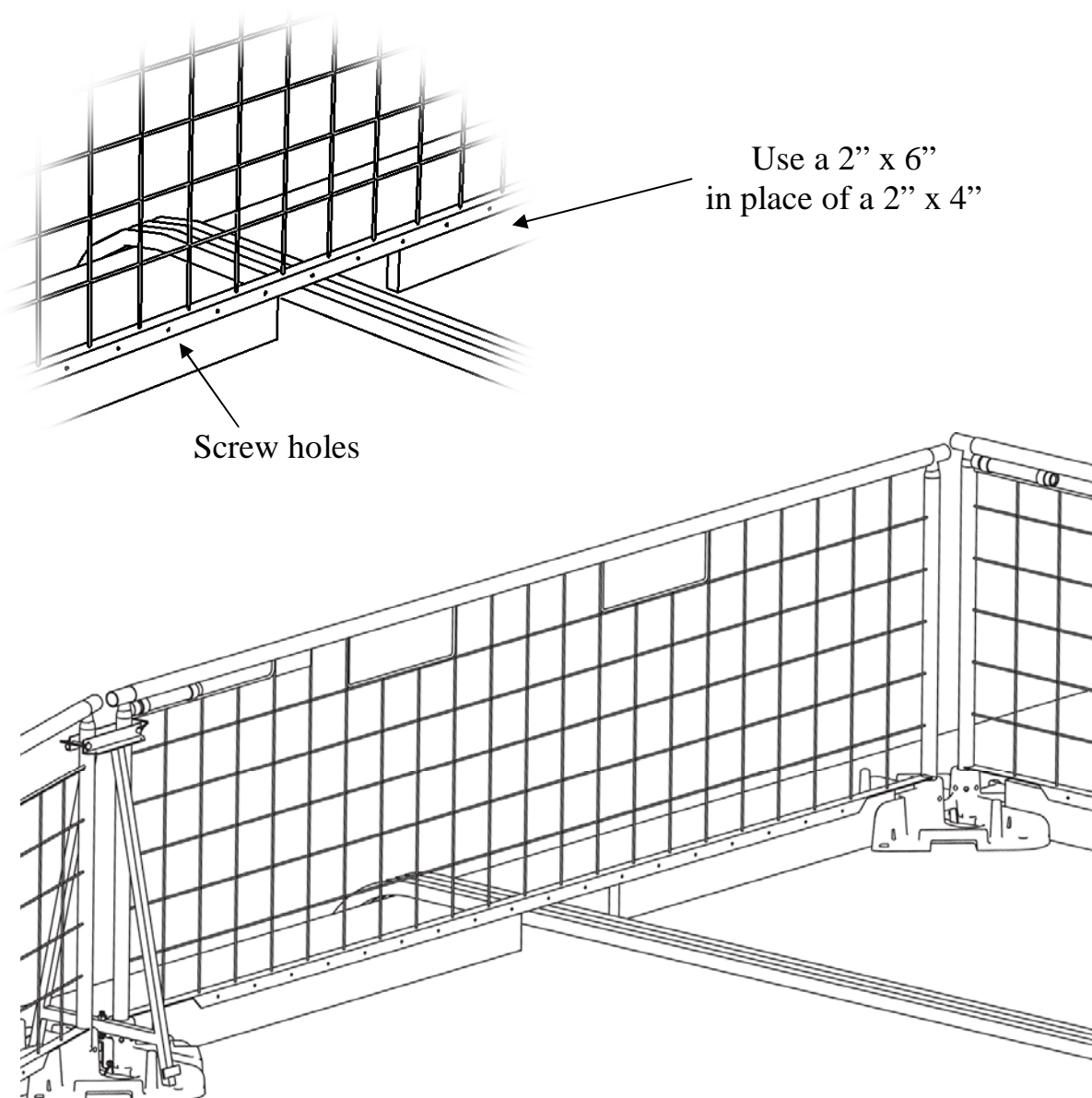
*Weights mate for storage & transport.
Mated weights require half the space!*

Toeboards & Low Lying Obstructions

In order to prevent small objects from being kicked over the edge, a wood toeboard must be installed unless a 4" tall sill, parapet, or equivalent raised edge is present.

If a toeboard is required, and the rail is to be installed over an obstruction less than 4½" tall:

A 2" x 6" can be cut into the required lengths and screwed to the toeboard retaining angle.



Outriggers vs. Anchor Bolting the Weights

The ends of any railing system must have additional support to prevent overturning. Either outriggers or anchor bolts can be used.

Outriggers are shown on both ends of the run.

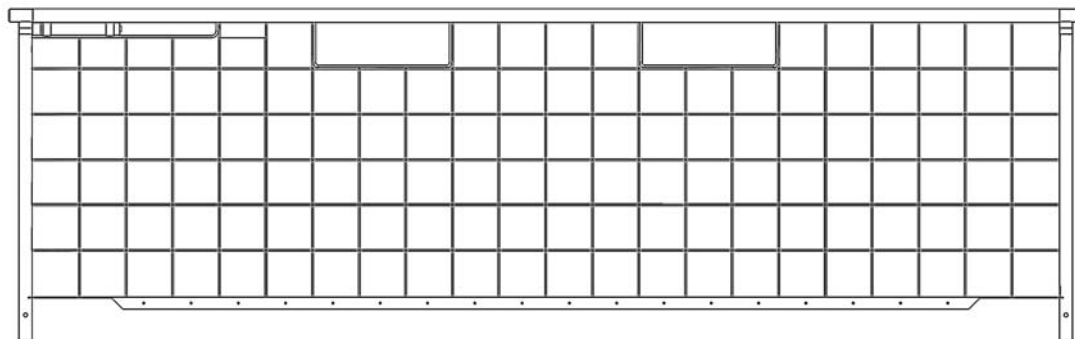
Outriggers are not needed if the Base Weight on each end of the run is bolted to the deck.

Bolted

Not Bolted

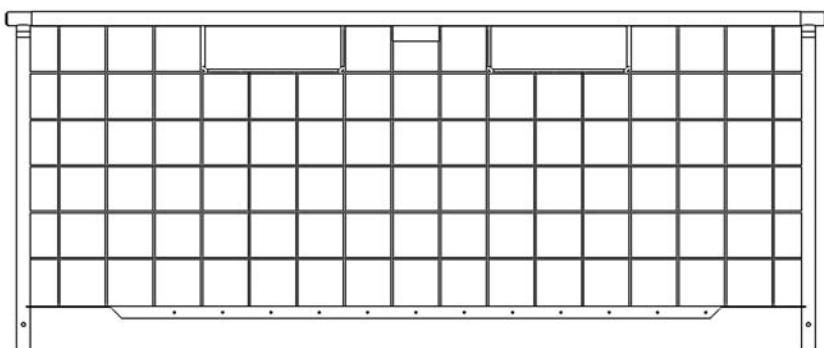
Bolted

Railings



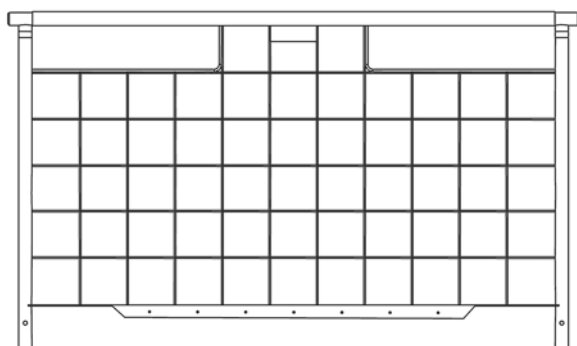
Full Length

11' Standard Rail



¾ Length

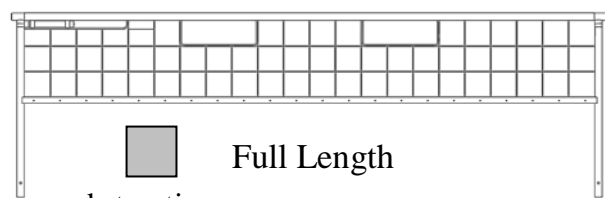
8'2" Standard Rail



½ Length

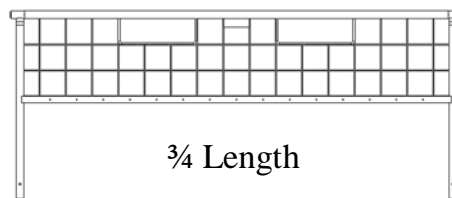
5'3" Standard Rail

All of the above are also available as Hi-Clearance Rails,
in order to clear floor level obstructions.

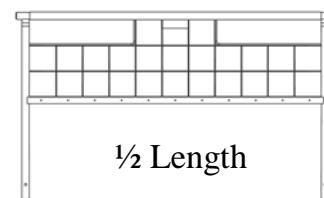


Full Length

obstruction



¾ Length



½ Length

Railing Modules

Full Length = 11'6" installed

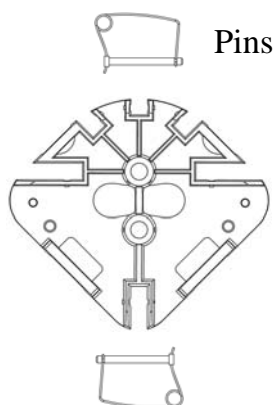
Part	Description	Qty	Weight
E-11-ST	11' Standard Rail, or,	1	58 lb
E-11-HC	11' Hi-Clearance Rail	1	55 lb
E-BW	Base weight with 2 pins	1	110 lb
	11' Rail + Base + 2 Pins = 11'6"	1	

¾ Length = 8'8" installed

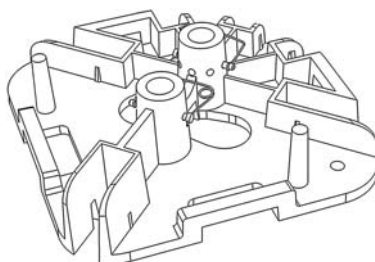
Part	Description	Qty	Weight
E-8-ST	8'2" Standard Rail, or,	1	48 lb
E-8-HC	8'2" Hi-Clearance Rail	1	45 lb
E-BW	Base weight with 2 pins	1	110 lb
	8'2" Rail + Base + 2 Pins = 8'8"	1	

½ Length = 5'9" installed

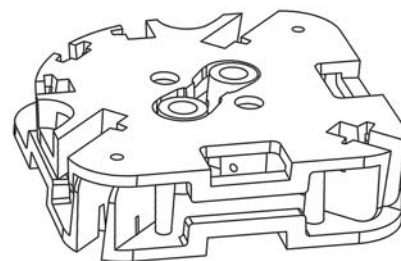
Part	Description	Qty	Weight
E-5-ST	5'3" Standard Rail, or,	1	37 lb
E-5-HC	5'3" Hi-Clearance Rail	1	34 lb
E-BW	Base weight with 2 pins	1	110 lb
	5'3" Rail + Base + 2 Pins = 5'9"	1	



Pins

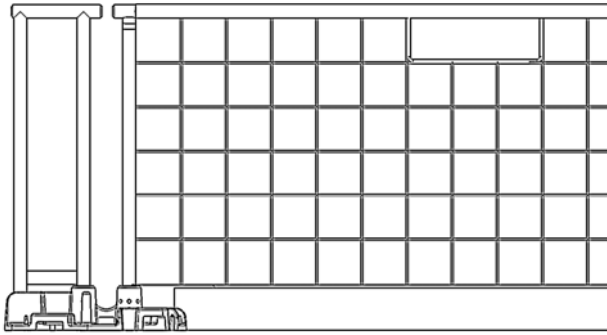


Unmated Weight



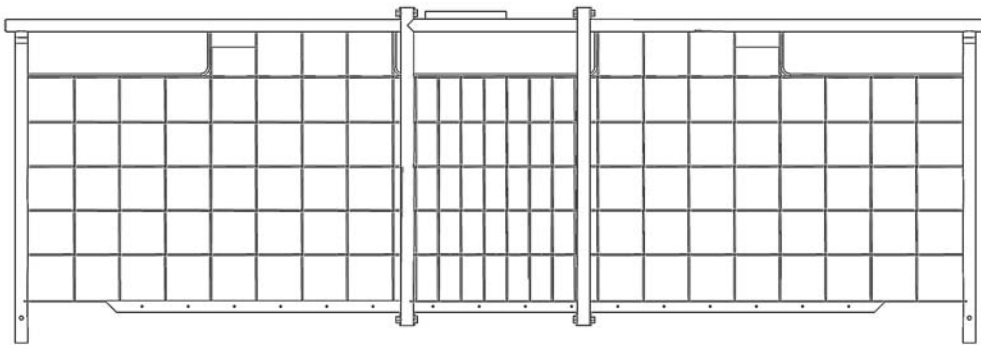
Mated Weights

Finishing Rails



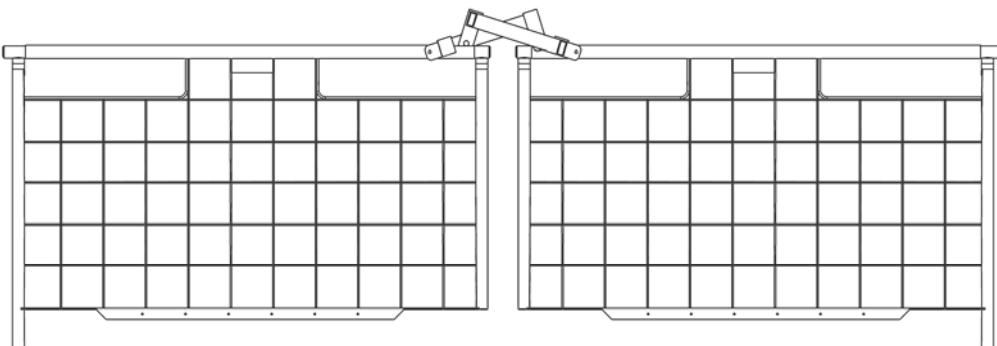
End Rail

Caps the protruding base weight



Adjustable Rail

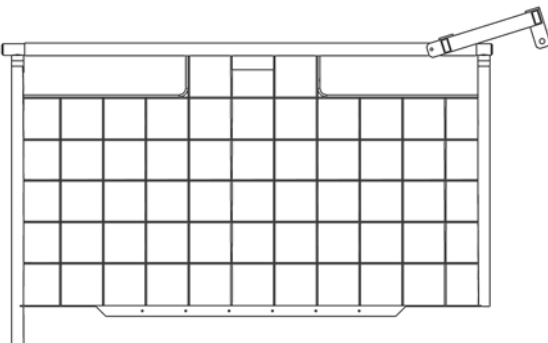
7' to 11'



Pair of Gates

11'

Will replace a full length rail



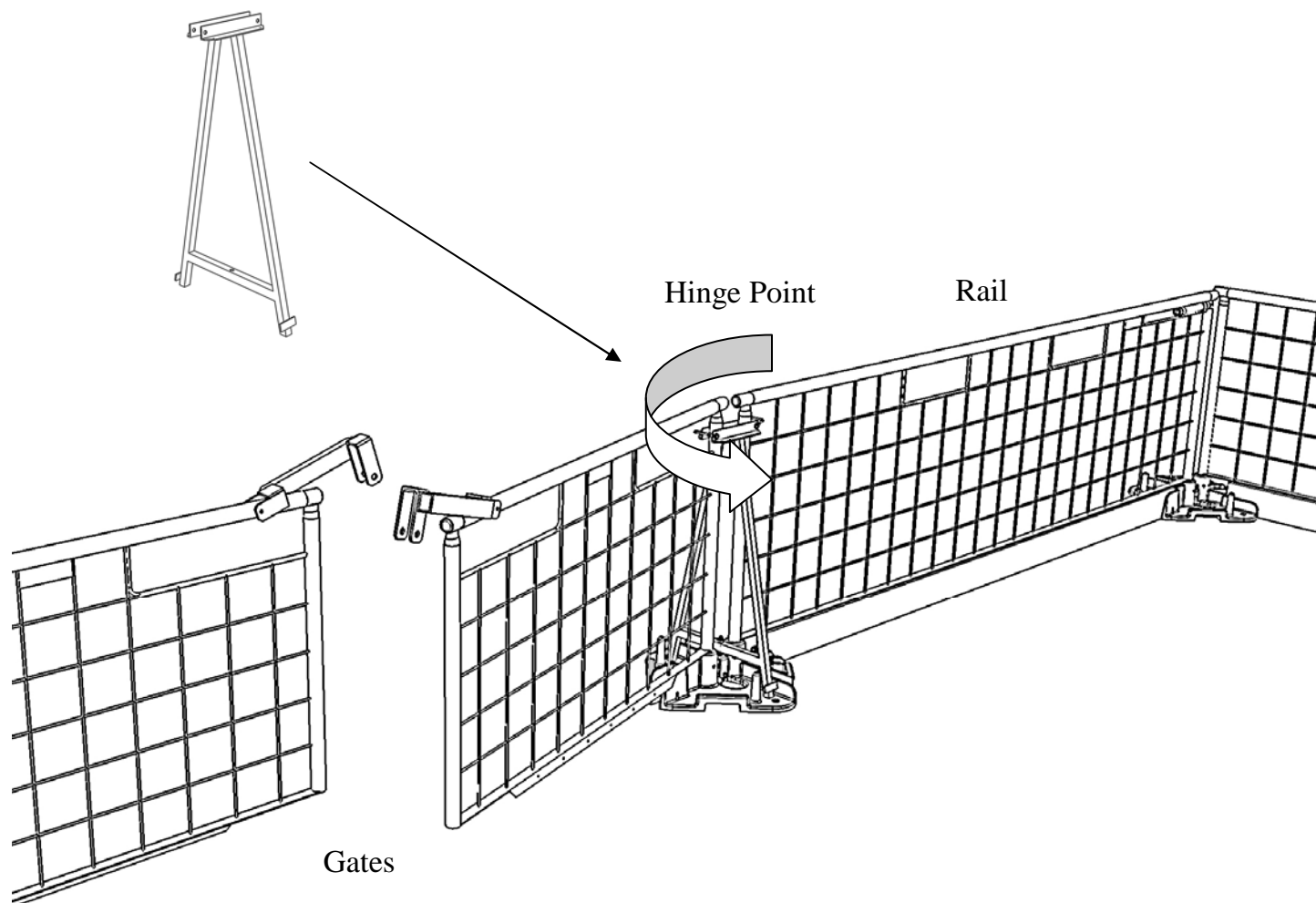
Single Gate

5½'

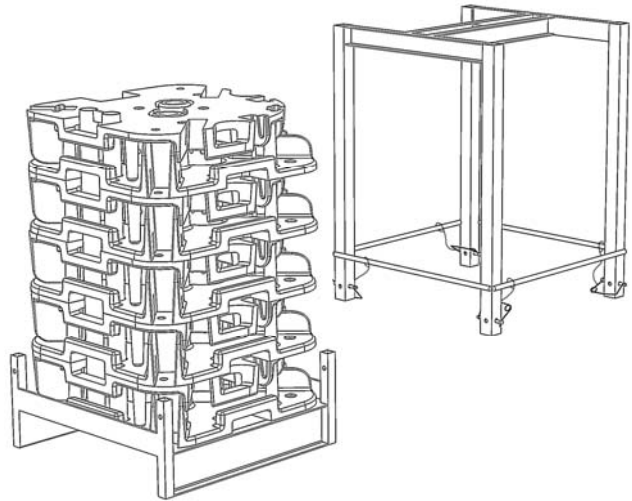
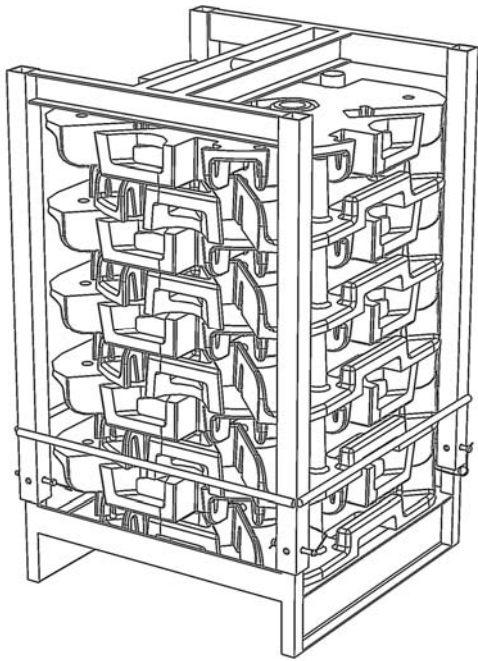
Finishing Rails

Part	Description	Qty	Weight
E-ER	End Rail	1	15 lb
E-AR	Adjustable Rail (7' to 11')	1	113 lb
E-GP	Pair of Gates (11')	1	90 lb
E-GS	Single Gate (5½')	1	45 lb
E-GB	Gate Brace	1	10 lb

Gate Brace



Transport & Handling Systems



Weight Bin

Holds 10 bases with 2 pins installed on every base.

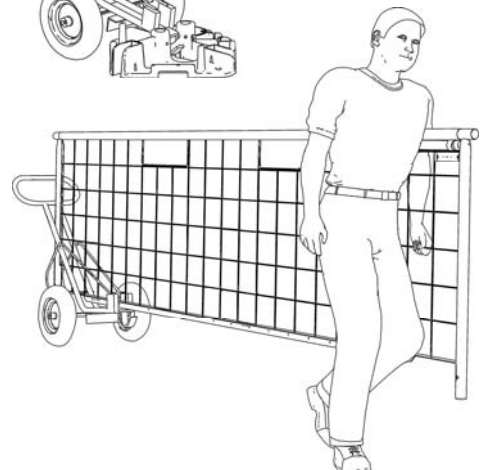
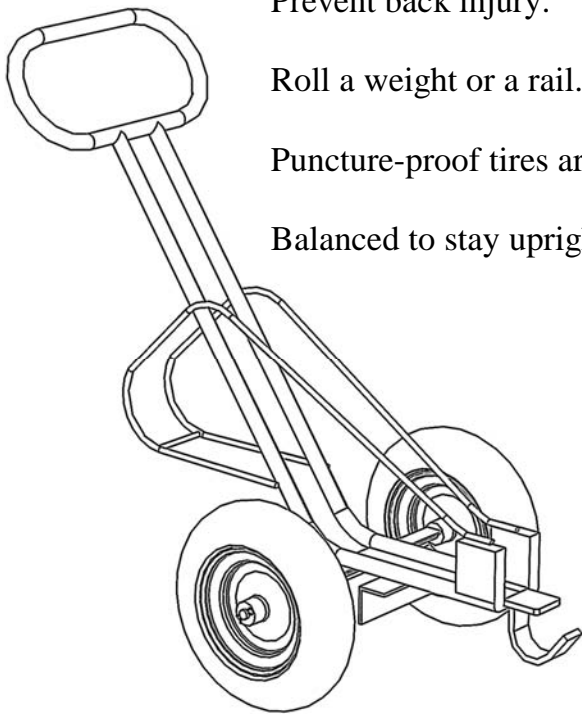
Transporter

Prevent back injury.

Roll a weight or a rail.

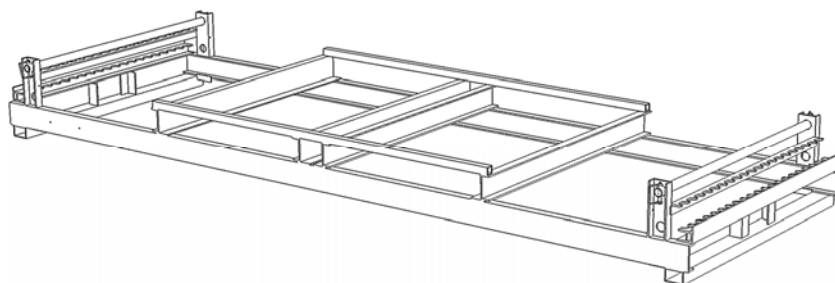
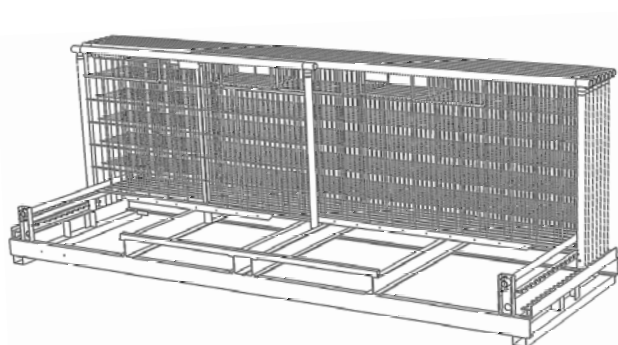
Puncture-proof tires are foam-filled.

Balanced to stay upright when empty!



Transport & Handling Systems

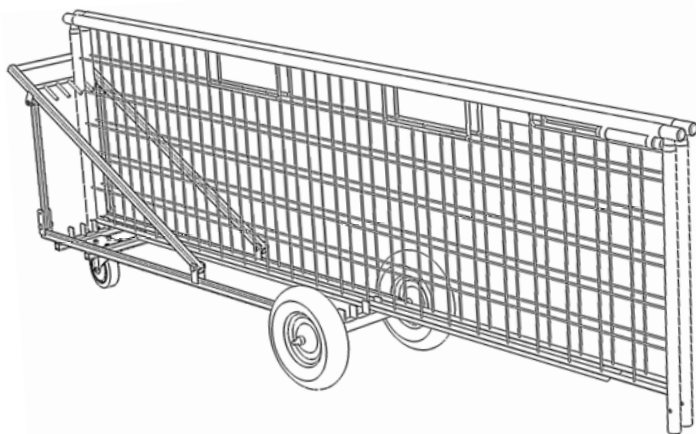
Part	Description	Qty	Weight
E-WB	Weight Bin	1	100 lb
E-TR	Transporter	1	48 lb
E-5RC	5 Rail Cart	1	88 lb
E-20RP	20 Rail Pallet	1	300 lb



20 Rail Steel Pallet

Carries 20 full length rails, or 40 half length rails.

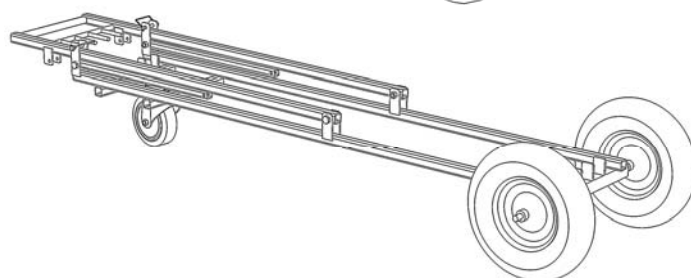
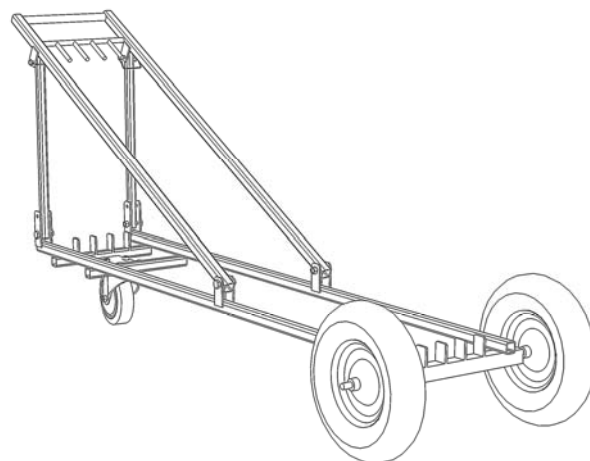
Accepts all Edgeguard™ rails (gates, hi-clearance, adjustable)



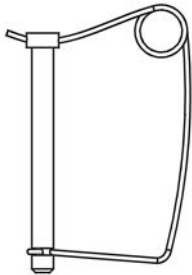
5 Rail Cart

Folds flat for storage

Puncture-proof tires are foam-filled.



Parts

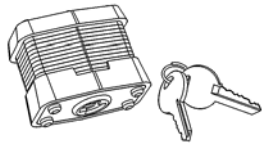


Standard Pin

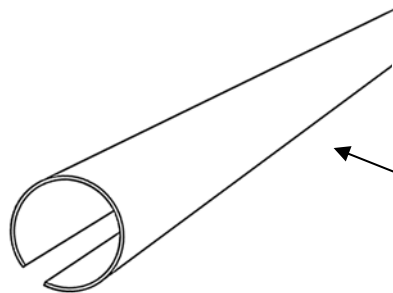


Weight Pins

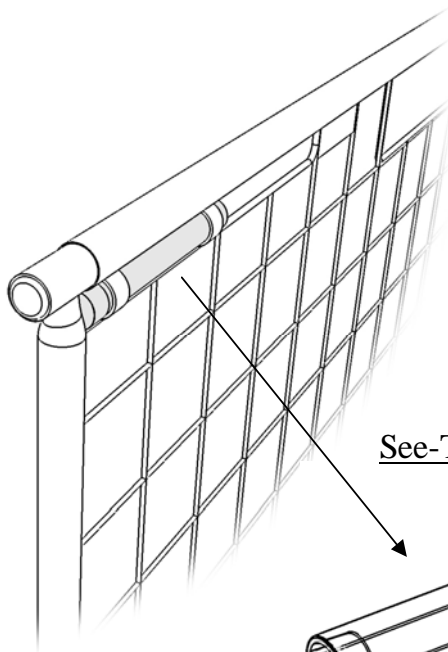
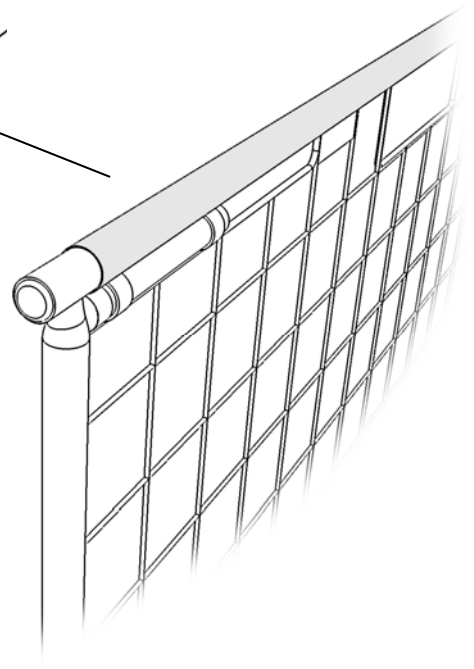
3/8" dia. x 3.5" working length



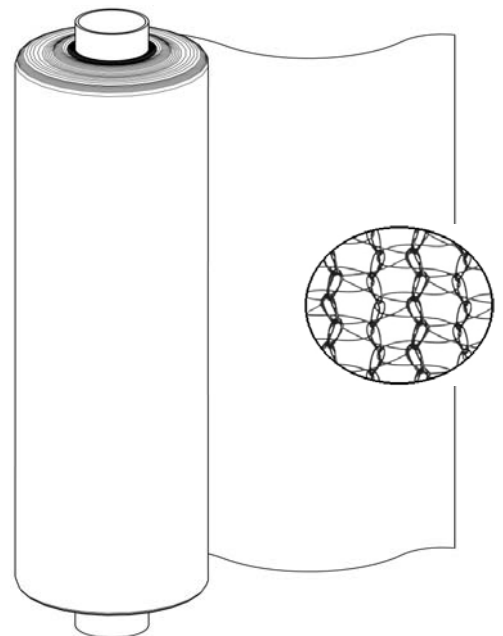
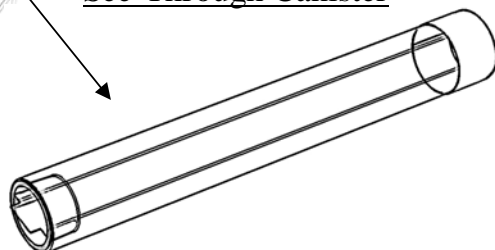
Padlock Pin



Yellow Warning Sheath



See-Through Canister



Fine Mesh Netting

4' tall. Attach to railings to prevent fine debris from falling overboard.

Parts

Part	Description	Qty	Weight
E-PIN	Standard weight pin with wire bail	1	0.25 lb
E-PLPIN	Padlock weight pin (keyed alike)	1	0.25 lb
E-TWS	Yellow plastic toprail warning sheath	1	0.25 lb
E-CAN	Clear plastic canister for manual	1	1 lb

Netting

Part	Description	Qty	Weight
1M50	Roll of Fine Mesh Debris Netting	1	20 lb
TIES	Pack of 100 nylon zip ties	1	0.25 lb

<i>Choice of Color</i>	<i>Dimensions When Unrolled</i>		<i>Shade Factor</i>	<i>Mesh Size</i>
	<i>Metric</i>	<i>Imperial</i>		
orange green red	1.2 m x 50 m = 60 m ²	4' x 164' = 656 ft ²	40%	1/8"



C Communicating

The Superchute Factory

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- *e-mail:* info@superchute.com
- *web site:* www.superchute.com

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- **THE PLANNERS AND SUPERVISORS OF THE RAILING SYSTEM**
- **THE INSTALLERS OF THE RAILING SYSTEM**
- **THE USERS OF THE RAILING SYSTEM**

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