

Perimeter Security Products

Stacked Plate Barrier Assembly Instructions



Perimeter Security Products



PERIMETER SECURITY PRODUCTS

SPIRIT OF AMERICA CORPORATION TRADE NAME

260-432-7158 Phone 260-459-0929 Fax 800-860-2855 Toll-free www.perimetersecurityproducts.com

Perimeter Security Products

Contents

Components.....	3
Layout	4
Assembly	5
Additional Comments	13
Replacement and Accessory Parts.....	13

*Note: Read the entire set of
instructions prior to beginning the
assembly of the Stacked Plate Barrier.*

PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Components

1. 5 –Plates
2. 12 – Spacer Tubes
3. 6 – Rod Ends (Optional)
4. 2 – Handle Weldments
5. 2 – Wheel Bar/Wrenches with 2" and 15/16" (for 5/8 bolt) openings
6. 2 – 13" Wheels
7. 4 – Snap Rings
8. 1 – Unit Linking Rod (Optional)
9. 3 – 5/8-11 UNC x 1 Bolts
10. 2 - 5/8-11 UNC x 3-3/4" Axle Bolts
11. 5 – 5/8-11 UNC Nuts
12. 10 – 5/8 Flat Washers
13. Chain Kit (Optional)
14. Flashing Barricade Lights (Optional)
15. Fence Panel Kit (Optional)

PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Layout

The Stacked Plate Barrier is designed as a mobile pedestrian and traffic barrier and may be used as a stand alone or in conjunction with other barriers. Once assembled, this barrier may be moved similar to a wheelbarrow in and out of the traffic path. Of course, this barrier may be installed and utilized in a fixed position also.



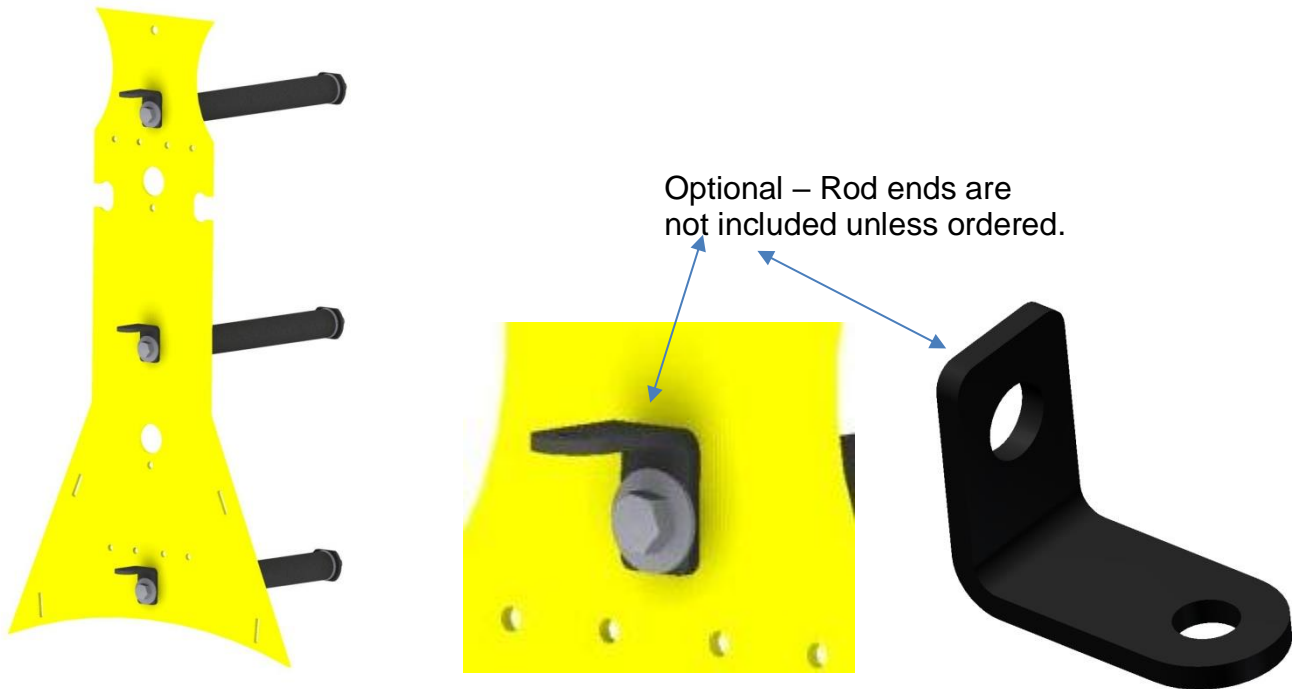
PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Assembly

Assembly of the Stacked Plate Barrier is pretty straight forward, but can be made easier following these procedures. Please read through all of the installation instructions before beginning the actual assembly.

The Stacked Plate Barrier is made to be easily moveable for short distances. It moves much like a wheelbarrow in function. Choose a spot for assembly that is fairly flat and has enough room to work around the barrier.

Stand one plate up and loosely bolt on three spacers using the three bolts with three of the washers and three of the rod ends. Assemble as shown in the figure below. You can build right to left or left to right depending on which is more convenient, but it will greatly aid the assembly if you start as suggested by bolting the spacer to the plate versus starting with a nut and stud side of the spacer. This will make assembly easier as you go.



The rod ends are to be positioned as shown with the rounded end upwards on this end.

In this picture you can see that one end of the rod end is round and one end is square with rounded corners. The square end goes against the plate with a washer and the bolt.

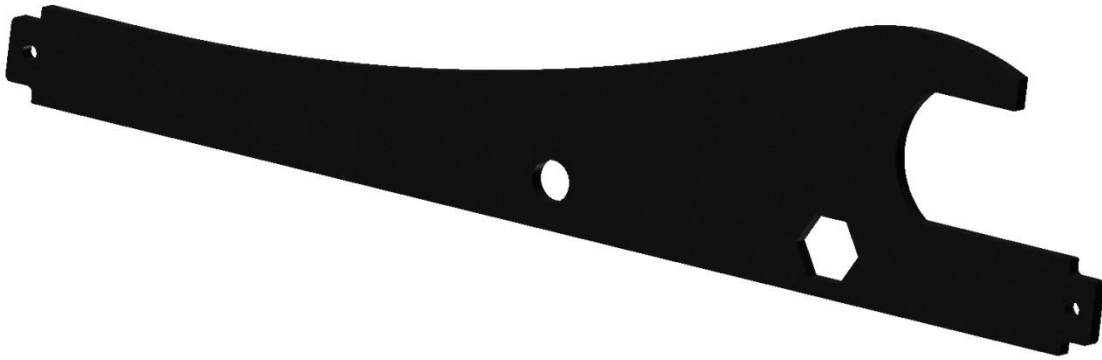
PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products

The bolts can be snug but do not tighten them with the wrench at this point. This allows a little play in the ends of the spacers when adding the next plate.

Add a second plate to the assembly by slipping the threaded ends of the spacers through the appropriate holes in the plate. Secure the second plate by adding the next three spacers. Again, do not tighten these with a wrench yet.

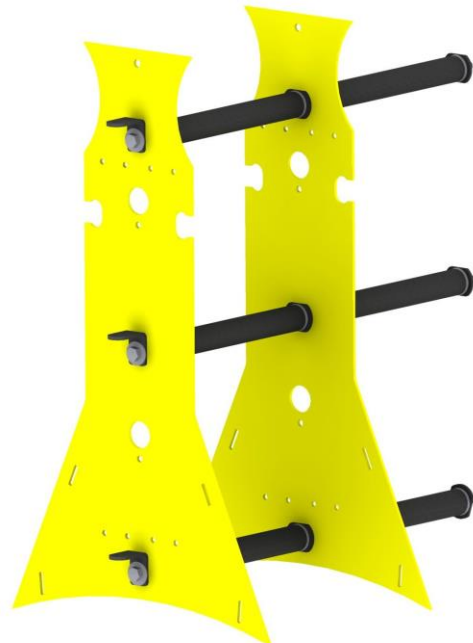
You may now go back and tighten the three bolts to the first plate and first three spacers using the wrenches. The supplied wrenches have a 15/16" hex opening for the 5/8" nuts and bolts and a 2" opening at the other end that fit onto the flats at the ends of the spacer Tubes. There are two wrenches supplied with each unit which will later be used to make the wheel assemblies. A wrench is shown below.



Repeat this process for the next plate and next four spacers. This time, tighten the second set of spacers to the first set of spacers pulling everything tight onto the second plate.

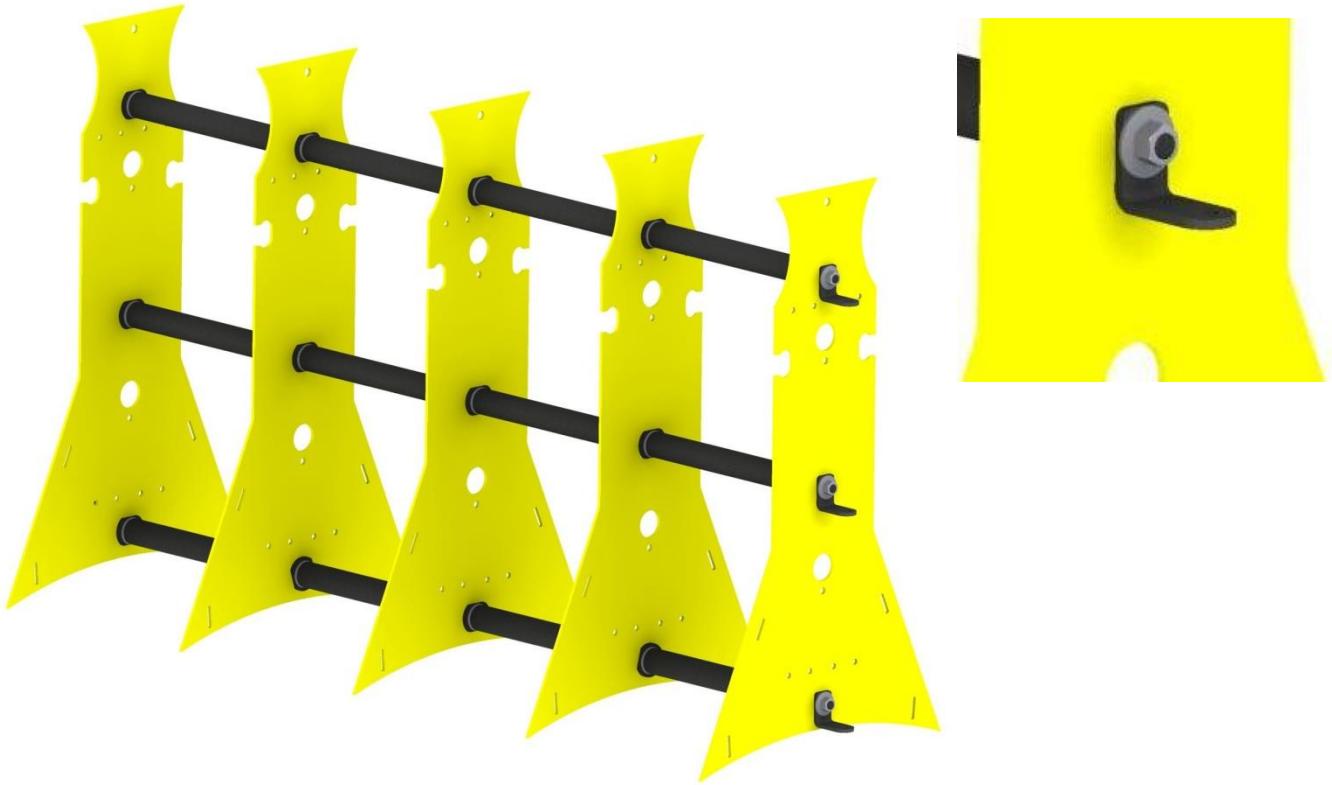
Continue with this process until the fifth and final plate is added. The final plate is secured by adding another rod end, a washer, and nut to each of the protruding spacer threads. On this end, orient the rounded tab on the rod end will be oriented downward as shown.

Once the three nuts are tightened, the Stacked Plate Barrier should be a solid unit.

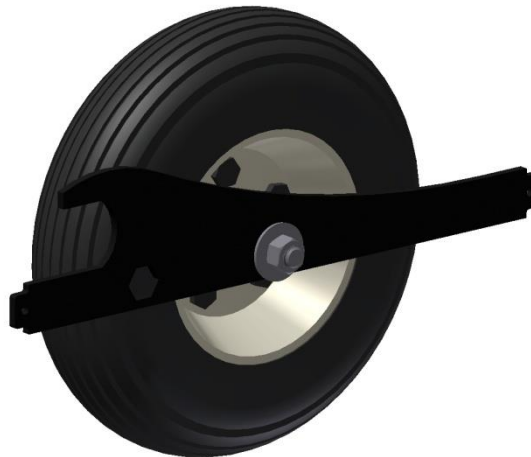


PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products



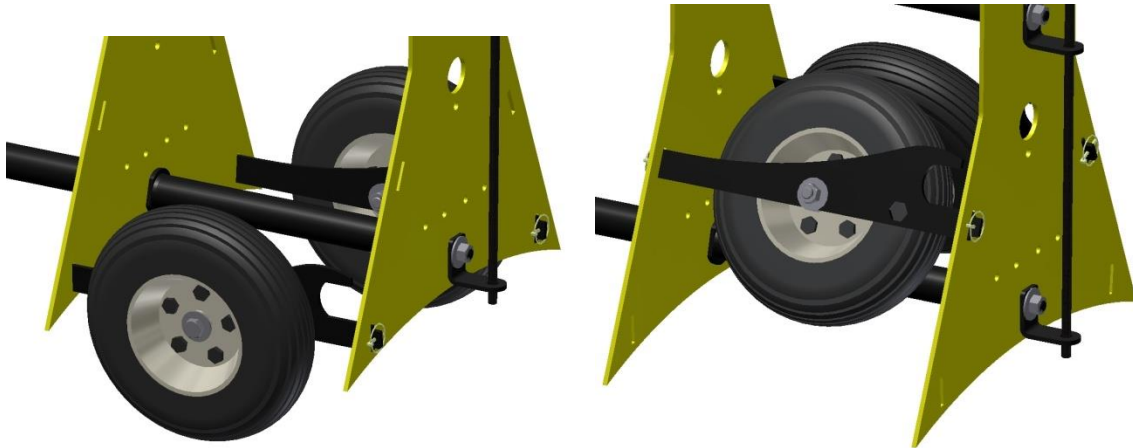
The next step in the assembly will be to use the wrenches to make the wheel assemblies. Each wheel assembly will consist of one wrench, one wheel, one 5/8 bolt, two washers, and a nut. The two assemblies should be made as mirrored assemblies. The following shows a wheel assembly.



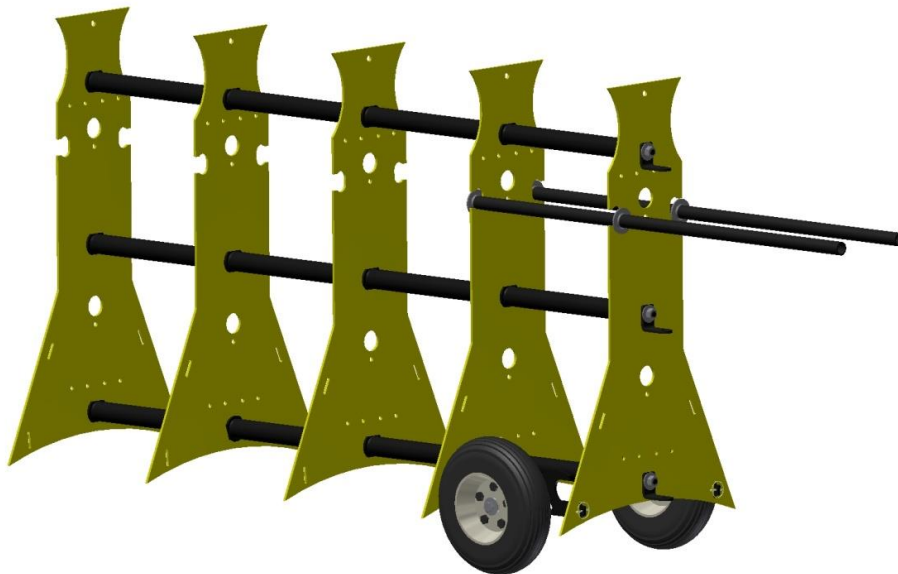
PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products

The wheel assemblies may now be installed on the Stacked Plate Barrier Assembly. They may be mounted in two positions, one to move the barrier and one stowed away. Use the snap clips to lock the wheel assemblies in place. To mount one of the wheel assemblies, thread the thinner end of the wrench bar into the desired slot, pushing it in past the indent. Drop the back end down and insert it into the other plates corresponding slot. Move the wrench bar so that it is more or less centered between the two plates and lock it in place with the snap clips.



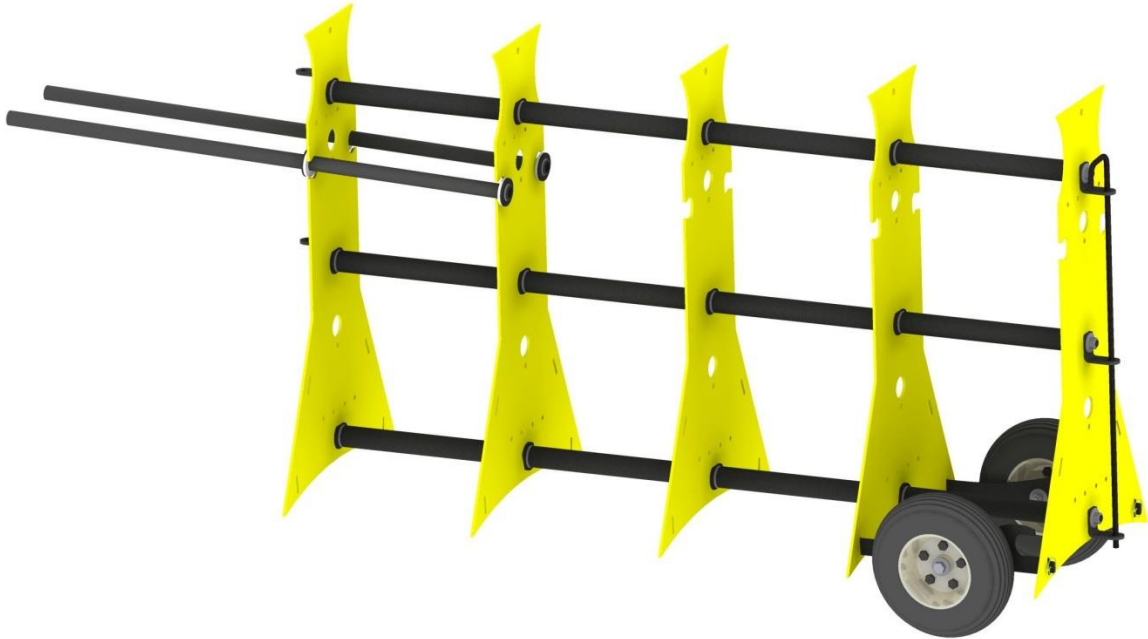
If the wheels are added in the mobile position, that end of the barrier will need to be lifted up to install the wheel assembly. This is accomplished most easily with a helper. Place the handle weldments into the handle indents on the wheel end of the barrier and lift. Here are two images showing the wheel assemblies locked in place.



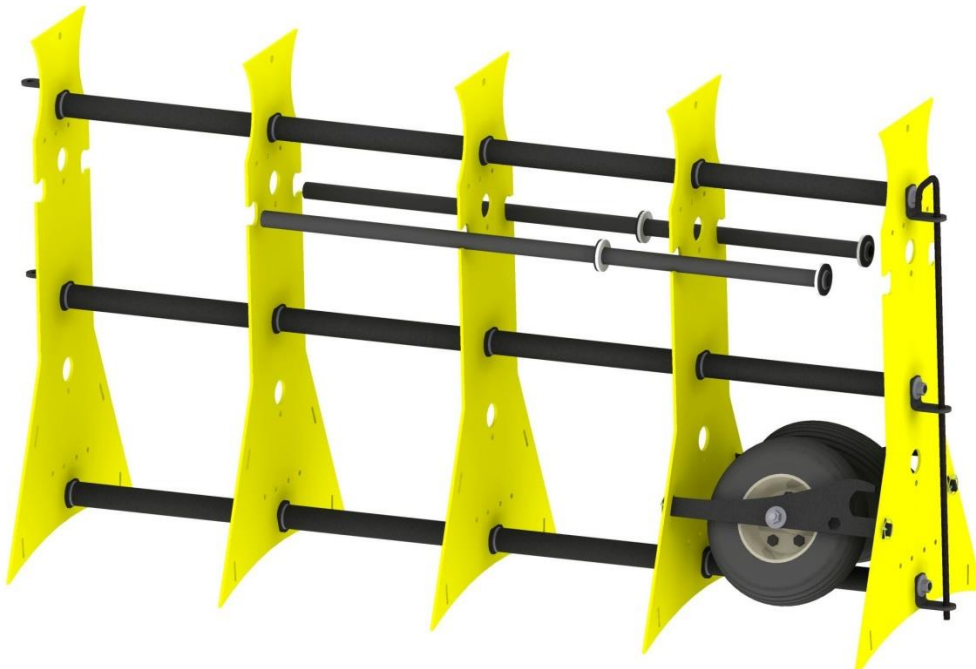
PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products

Having introduced the welded handle, in normal use the Stacked Plate Barrier will once again typically be in one of two orientations. The first is when the handles are locked into place around the two opposite plates from the wheel end. This is the setup that allows the Stacked Plate Barrier to function similar to a wheel borrow.



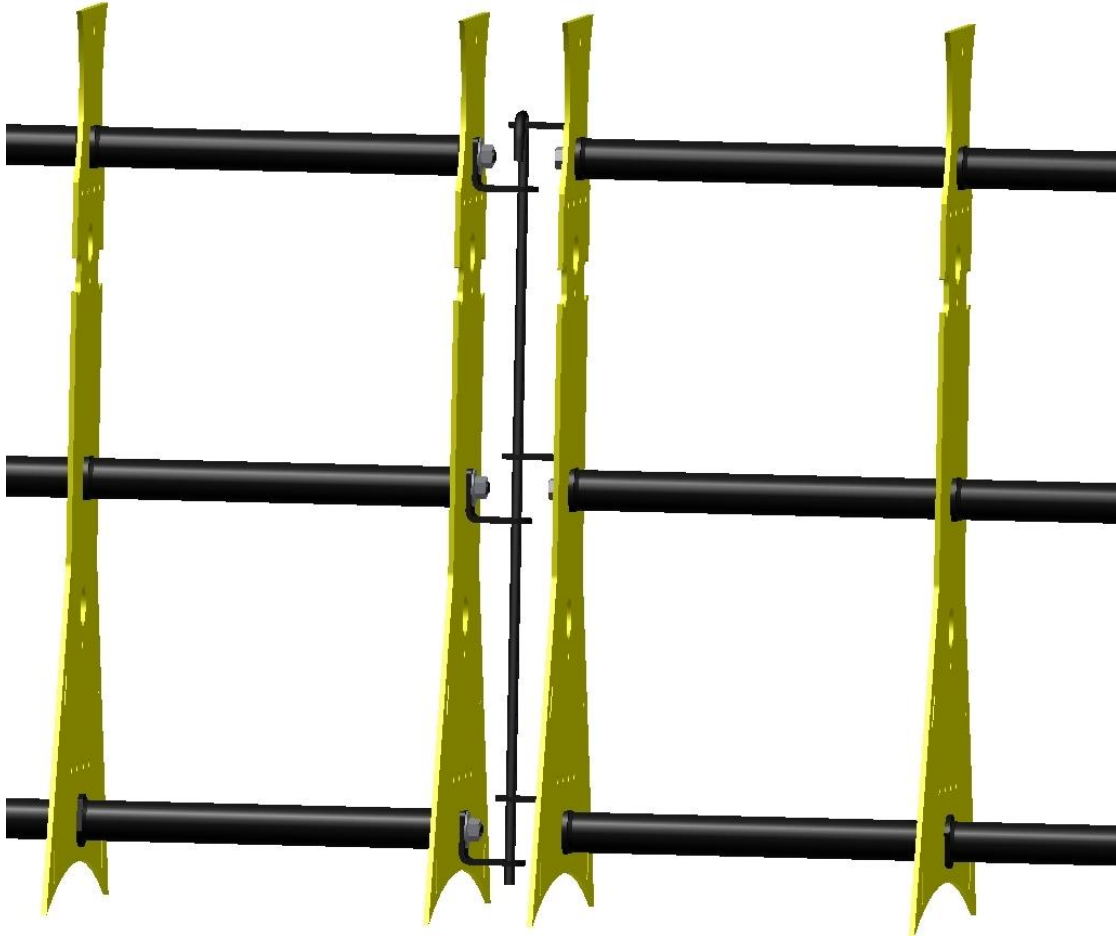
In the second of the two scenarios, the handles may be stowed as shown when not in use.



PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products

When multiple Stacked Plate Barriers are used together they may be linked using the (optional) unit linking rod. This is the reason the (optional) rod ends were installed in the orientations they were. Simply butt two units end to end and drop the unit linking rod down the lined up holes.



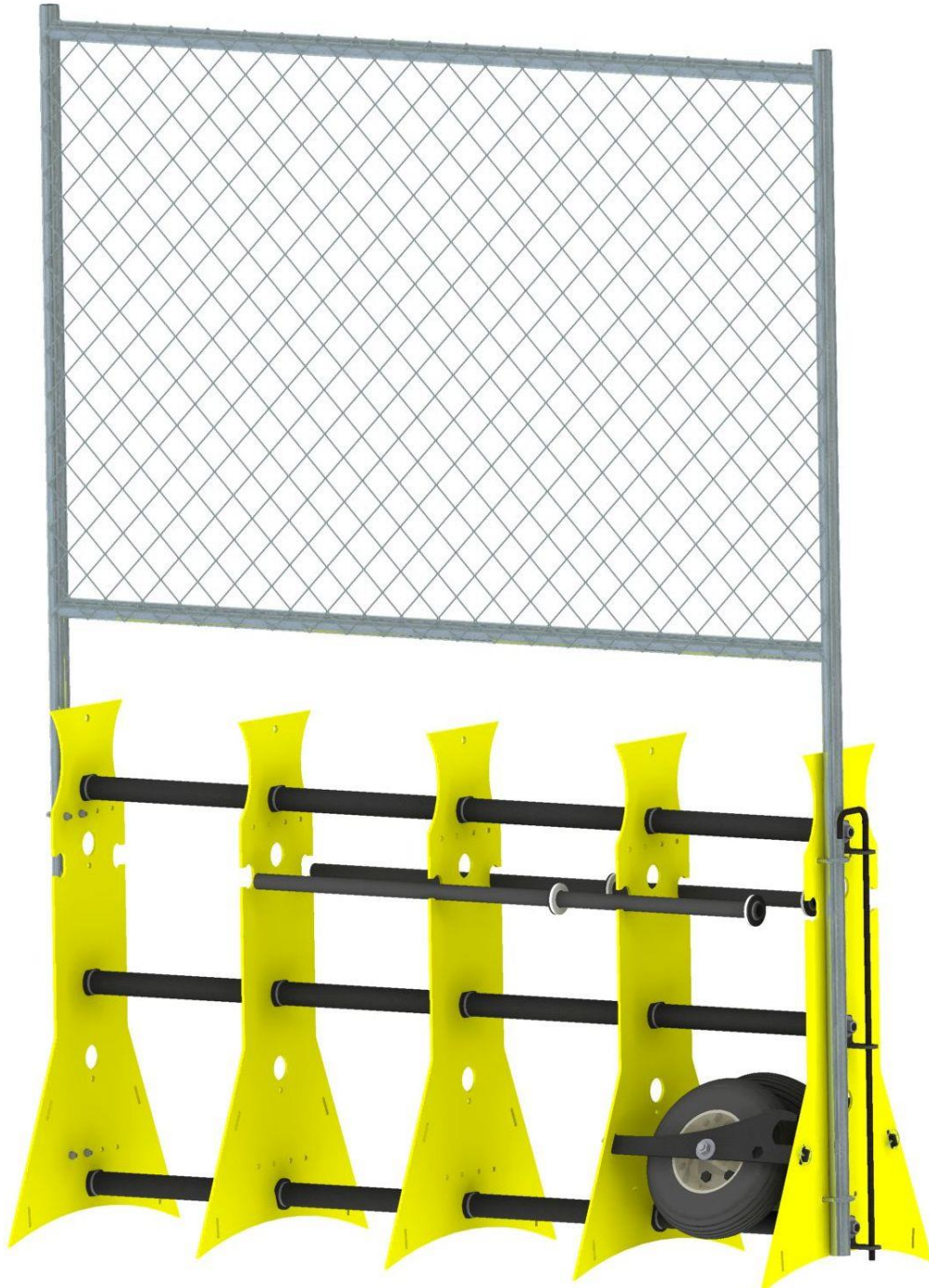
When multiple stacked Plate Barriers are used or when a Stacked Plate Barrier is used in conjunction with another barrier, they may be chained together. Bolts or quick links may be used. If bolts are used the junction would look something like this.



PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

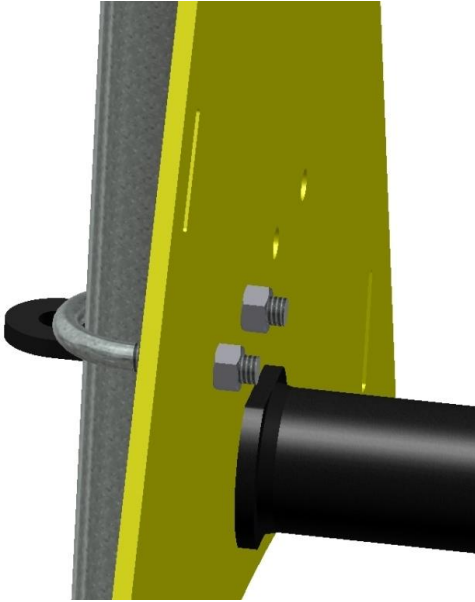
Perimeter Security Products

The Stacked Plate Barrier may be used with the optional fence panel kit. The fence panel is installed using U-bolts as shown below. The U-bolts accommodating the 1 5/8" tubing and will mount to the end plates through two of the outer holes on either side of the plate at the top and the bottom. Fasten with nuts on the opposite side of the plate.

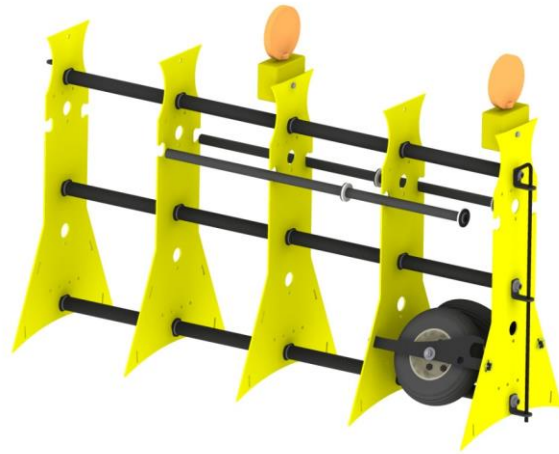


PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Perimeter Security Products



The last option on the Stacked Plate Barrier is the installation of flashing barricade lights. These may be added to the top of the Stacked Plate Barrier utilizing the top hole in any of the plates, if desired. The image below shows two flashers attached to a barrier.



Optional Reflective Tape Kit

Reflective Tape may be added to the spacer tubes to give greater visibility to the Stacked Plate Barrier. All spacers or just the top row may be covered. Reflective tape may be ordered from Creative Building Products or it may be purchased from another vendor and installed making the spacers look something like the following:



PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.

Additional Comments

Congratulations on the completion of the assembly of your Stacked Plate Barrier. Your troops, equipment, or supplies are now able to be better protected. Through this assembly manual we have provided a more or less step by step method to complete the assembly. Understanding these steps is very important for the quickest and most functional implementation.

If you have specific questions regarding the installation of the Stacked Plate Barrier, you may contact Creative Building Products at the following:

PERIMETER SECURITY PRODUCTS

SPIRIT OF AMERICA CORPORATION TRADE NAME

260-432-7158 Phone 260-459-0929 Fax 800-860-2855 Toll-free

www.soacorp.com

Replacement and Accessory Parts

Creative Building Products carries a number of replacement and extra parts for the Stacked Plate Barrier as listed below:

CBP18D001	Stacked Plate Barrier Plate
CBP18D005	Tie Rod End
CBP18D006	Unit Linking Rod
CBP18D008	Fence Panel Kit
CBP18D017	Wrench/Wheel Bar
CBP18W007	Handle Weldment
CBP18W006	18" Spacer Tube Weldment
CK144	12' Chain Kit
BLK	Barricade Light Kit

PROPRIETARY DATA THIS DOCUMENT AND THE INFORMATION DISCLOSED HEREIN ARE THE PRODUCTS. OF PERIMETER SECURITY PRODUCTS NO PART OF THIS DOCUMENT IS TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CREATIVE BUILDING PRODUCTS. NO INFORMATION DISCLOSED HEREIN IS TO BE TRANSMITTED TO ANOTHER OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THIS DOCUMENT IS PROVIDED.