

## *Perimeter Security Products*

# Bunker Checkpoint Assembly Instructions



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## Components

	<u>Quantity</u>	<u>Description</u>
a)	1	Bunker Base
b)	1	Bunker Roof
c)	1 set	Inside Bunker Support Brace (includes following items)
		<ul style="list-style-type: none"><li>• 2 long Channels</li><li>• 2 short Channels</li><li>• 2 turnbuckles</li></ul>
d)	1 set	Outside Bunker Support Braces (include following items)
		<ul style="list-style-type: none"><li>• 2 long Rectangular Tube Braces</li><li>• 2 short Rectangular Tube Braces</li></ul>
e)	4	6 x 6 x 72" Treated Lumber (Corner Post)
f)	2	6 x 6 x 8' Treated Lumber (Joist)
g)	5	4 x 4 x 6' Treated Lumber (Rafters)
h)	10	6x6 to 4x4 Steel Attachment Brackets
i)	4	6x6 to 6x6 Steel Attachment Brackets
j)	6 sets	5/8" bolts, nuts and washers (for attaching Bunker Support Braces)
k)	2	15/16" Wrenches
l)	1	Claw Hammer
m)	2 containers	10d Nails

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### Assembly

1. Unpack assembly and lay out in part groups:
  - a. Bunker Base
  - b. Bunker Roof
  - c. Roof Support Structure (metal)
    - i. 4 – Corner Posts
    - ii. 2 – Joist
    - iii. 5 –Rafters
  - d. Inside Bunker Support Braces
  - e. Outside Bunker Support Braces
  - f. Hardware and Tools
2. Find a relatively level spot approximately 12' x 12' or, using pioneer tools, create a level surface of 12' x 12'
3. Place the base with the entrance notch to the non-threat side.
4. Insert the (4) 6" x 6" timbers through the (4) holes in the base resting on the ground. If the ground is soft, use a flat rock, piece of wood, metal or other item to ensure no post sinks when the upper cover is installed.
5. Nail the (4) metal clips to the top of the (4) 6" x 6" posts, keeping the clips square. Place the (2) headers in the clips and nail the (2) 6" x 6" x 96" headers in place.
6. Place the (5) 4 x 4 x 72" stringers on top of the (2) headers. Nail the clips on the (5) 4 x 4 x 72" stringers for attaching the (2) 6 x 6 x 96" headers. Don't nail the clips to the (2) headers until after you have the cover in place. This will allow you to slide the stringers so that they will fit into grooves on the bottom side of the cove.
  - a. Plumb the (4) 6 x 6 posts with the 6 x 6 stringers in place. Use small pieces of wood or other material to ensure the structure is help plumb and square.
  - b. Place the cover on the (5) 4 x 4 stringers, making sure the stringers are nested inside the provided pockets on the cover. Nail the clips attaching header to the stringers.
7. Pour sand or other material around all (4) of the 6 x 6 posts to prevent load shift. Pack the sand to ensure complete fill and no pockets.
8. Place the outside bunker support around the bunker at ground level and loosely attach bolt/nut in each corner. Raise it up to midlevel (so top of outside bunker support is even with entrance notch in Bunker Base) and tighten. Note, when tightening the bolts, we expect a gap in the corners between brackets. Also, if you have the sand option, the bunker support will be on top of dumps.
9. Place the inside bunker support on the ground inside the Bunker Base. Attach the 2 opposing corners together with bolt and nut. Pin the turnbuckle across the other 2 opposite corners. Tighten the bolt and nut and leave turnbuckle loose (narrowest setting). Raise the inside bunker support to midlevel of Bunker Base (top edge of inside bunker base should be even with entrance notch in Bunker Base). Tighten both turnbuckles evenly so that inside bunker brace is pushing solidly against Bunker Base.

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10. Fill the Base with water and check for any leaks. If a water leak occurs, unscrew the drain, apply a small amount of silicone and reinstall the drain. Continue to fill until complete full. Replace the fill cap. (NOTE: For Sand bunker, remove sand fill lids, fill with sand and then reattach.)
11. Fill the Bunker Roof in the same method as Step 8, (NOTE: For Sand Bunker, remove the sand fill lids, fill cover with sand and then reattach lids.)
12. If you purchased the optional Wind/Rain/Visibility Shield, install as directed on instruction included with Shield.
13. Apply camo as directed by command.
14. Dig your grenade sump in accordance with standard field manuals.
15. Place all extra material and tools in bag/box for use in disassembly.



Photo shows a typical Entry Control set up. Bunker Checkpoint is on left side of photo.

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