STEP 1:  
Ratchet Mounting – No Mounting Fasteners Supplied.  
Use the appropriate type of bolt fasteners for your walls (wood, steel, or concrete). Place the bolt through the 3/8" hole in the back of the ratchet. Allow swinging room for the ratchet handle.  
When mounting the ratchets to the wall, first you need to determine the  
distance spacing of the ratchets.  
Use your bunker circumference (diameter x 3.14) divided by the  
number of diamond straps to determine the ratchet spacing on the  
walls.  
Sample:  
• 129' diameter times 3.14 equals 405'  
• 405' divided by 15 ratchets equals 27'  
• 27 + 27 = 54 + 27 = 81 + 27 = 108 and so on. Fasten the ratchets to  
the wall as close as they can be to the measurements that were  
calculated earlier (figure 1).  

STEP 2:  
Installing the “C” Shaped Ring  
Near the top of the pile, unroll the 2 piece red “C” shaped straps and  
join them together to form a ring around the pile. This ring is used to  
space and secure the top end of the vertical diamond straps to the  
pile (figure 2).  

STEP 3:  
Installing the Diamond Straps  
There are two different styles of diamond straps: longer white and black  
and shorter red and blue straps.  
Installing the white and black diamond straps  
Unroll the white and black straps with the black ends to the top and  
connect the black end to the “C” shape strap. The white tails will be  
placed loosely in every other ratchet (figure 3). The color orange is used  
to represent the white straps.  
Installing the red and blue diamond straps  
Unroll the red and blue straps with the red and blue ends to the top.  
Connect the blue end to the white neighboring strap. The red end will  
connect to the black neighboring strap on the other side (figure 4). The  
red tails will be placed loosely in the remaining ratchets.  
The other lower points will need to be connected to the neighboring  
straps (figure 4). These connections have a protective diaper you will  
need to add around them (photo 1 through 4).  
Always connect blue to white and red to black. This forms the diamond  
shape for all of the straps.  
The tops of red & blue straps are fastened to the neighboring straps  
connect all red straps to neighboring white straps  
connect all blue straps to neighboring black straps  
areas with ‘D’ markings are joined with a protective diaper (photo 1-4)  
connect the top black strap to the red “C” shaped ring  
tails are loose in the ratchets  
orange color is used to show the white straps  

STEP 4:  
Tightening the Straps  
In order to center the net over the pile, use the numbers on the straps  
to tighten the net evenly (photo 6). The numbers may vary from color to  
color. DO NOT over tighten the straps, they should just be SNUG. You  
may need to occasionally re-tighten your straps as the pile settles.  
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to tighten the net evenly (photo 6). The numbers may vary from color to  
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may need to occasionally re-tighten your straps as the pile settles.

REFERENCE PHOTOS:  
Photo 1 – Insert connectors into the slits in diapers.  
Photo 2 – Roll the diaper edges towards each other.  
Photo 3 – Insert the long bar of the Tee in the keyhole.  
Photo 4 – Turn the Tee 1/4 run to lock.  
Photo 5 – Webbing started  
Photo 6 – Webbing tied to wall

R A V E N