

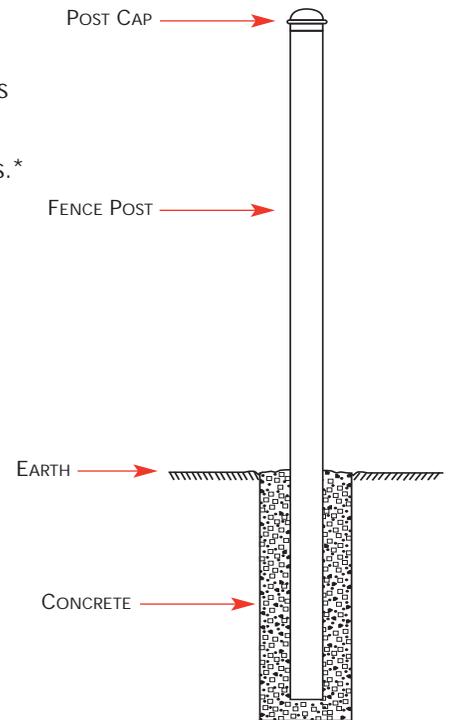
# FENCING ASSEMBLY INSTRUCTIONS



## SET POSTS

- Determine the post locations, 93" or 117" centers. Post spacing is flexible and can be decreased for terrain, etc.
- All posts should be set in concrete appropriate to local conditions.\*

HEIGHT OF FENCE	MINIMUM FOOTER DEPTH
6	30"
8	36"
10	42"
12	48"



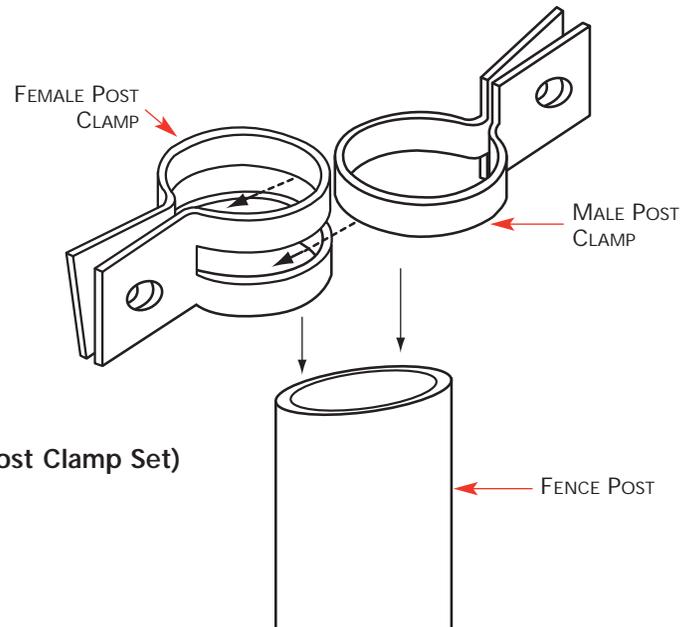
\* Under normal conditions the footer dimension should be 4 times the largest cross section of the post.



## ASSEMBLE FRAMEWORK - ATTACH CLAMPS OR BANDS TO POST

### FOR ALL TERMINAL/LINE POSTS:

- 1) Slide male post clamp into center of female post clamp and then slide over post.
- 2) Number of post clamp sets is equal to the number of line rails.



(Fig. 1 - Post Clamp Set)



(Fig. 2 - Bands)

### ALTERNATE METHOD:

- 1) Slide bands over posts. Bands are interchangeable, use two for each line post and corner post.
- 2) Number of band attachment points equals the number of line rails.



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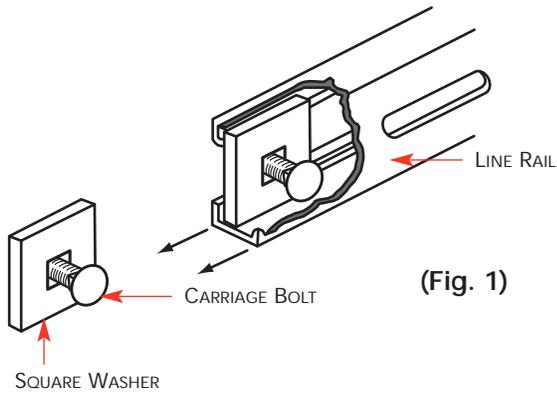
**SECUREX**

# FENCING ASSEMBLY INSTRUCTIONS

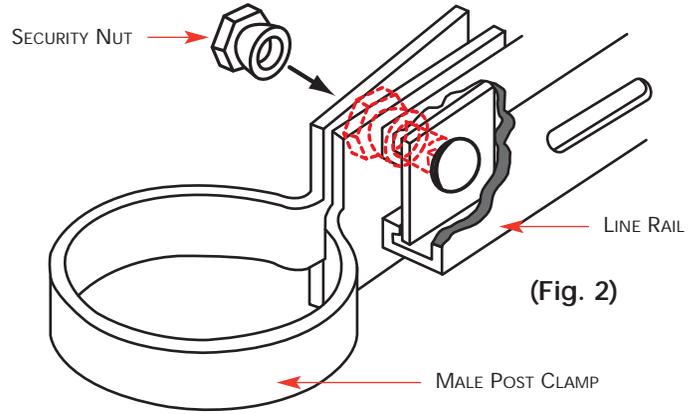


## ASSEMBLE FRAMEWORK - ATTACH LINE RAILS

- 1) Slide square washer with carriage bolt into line rail. (Fig. 1)
- 2) Once line rail is in place with carriage bolt through the clamp or band, tighten security nut. (Fig. 2)



(Fig. 1)



(Fig. 2)

*Note: Tighten security nut after square washer and carriage bolt have been inserted into line rail at the openings of the post clamp or band.*

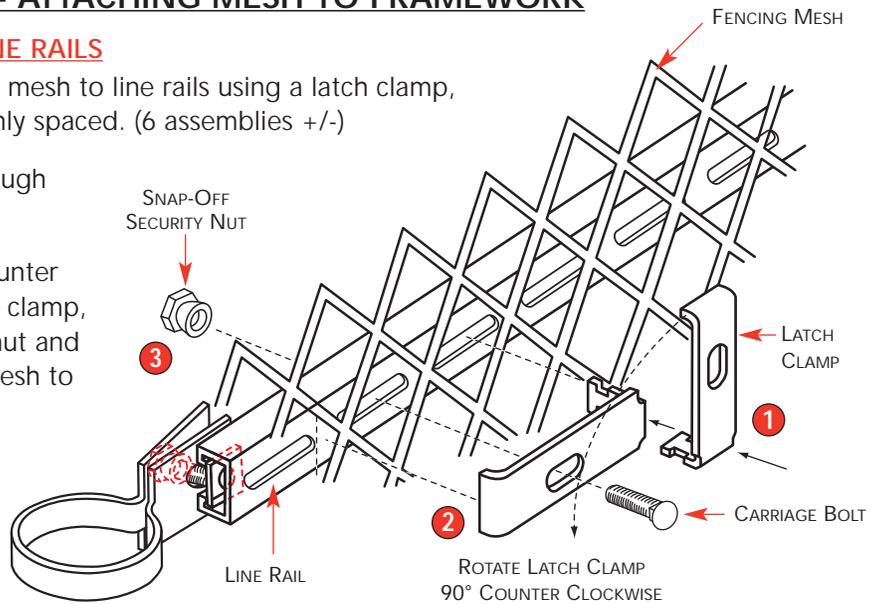
*Same procedures apply for female post clamp or band*



## EXPANDED METAL MESH - ATTACHING MESH TO FRAMEWORK

### A) MESH ATTACHES TO ALL LINE RAILS

- 1) Starting with the top rail, clamp mesh to line rails using a latch clamp, carriage bolt and u-washer evenly spaced. (6 assemblies +/-)
- 2) Insert latch clamp vertically through mesh into line rail.
- 3) Turn latch clamp 90 degrees counter clockwise. Use bolt through the clamp, rail slot and u-washer. Tighten nut and breakaway bolt to secure the mesh to the line rail.



### B) MESH ATTACHES TO END AND CORNER POSTS

- 1) Clamp mesh to end and corner posts with end tensioners.
- 2) Insert latch clamp vertically through the slotted extension.
- 3) Turn latch clamp 90 degrees counter clockwise. Use bolt through the clamp with a standard square washer.
- 4) Tighten nut and breakaway bolt to secure the mesh to the posts.



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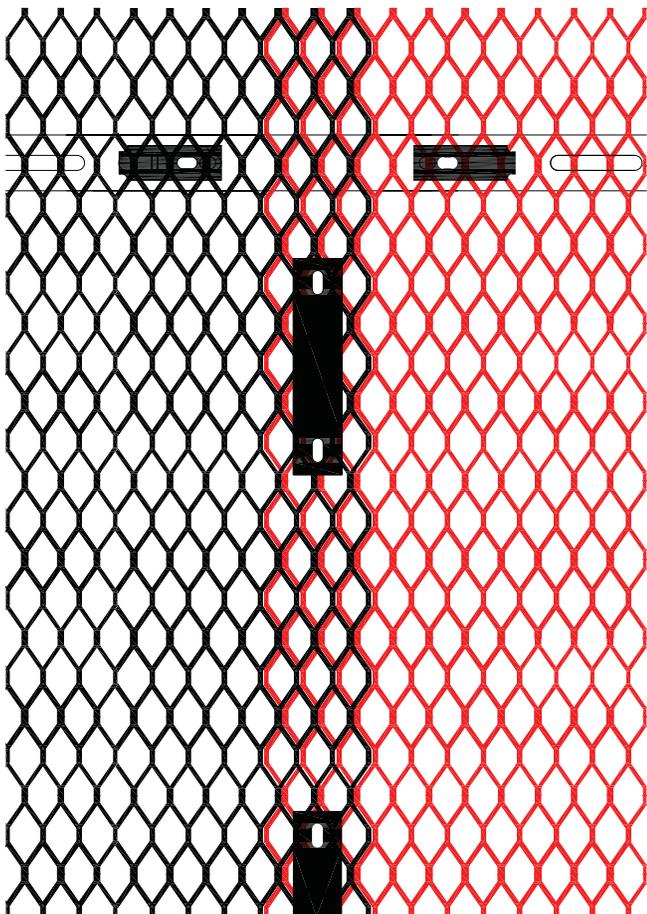
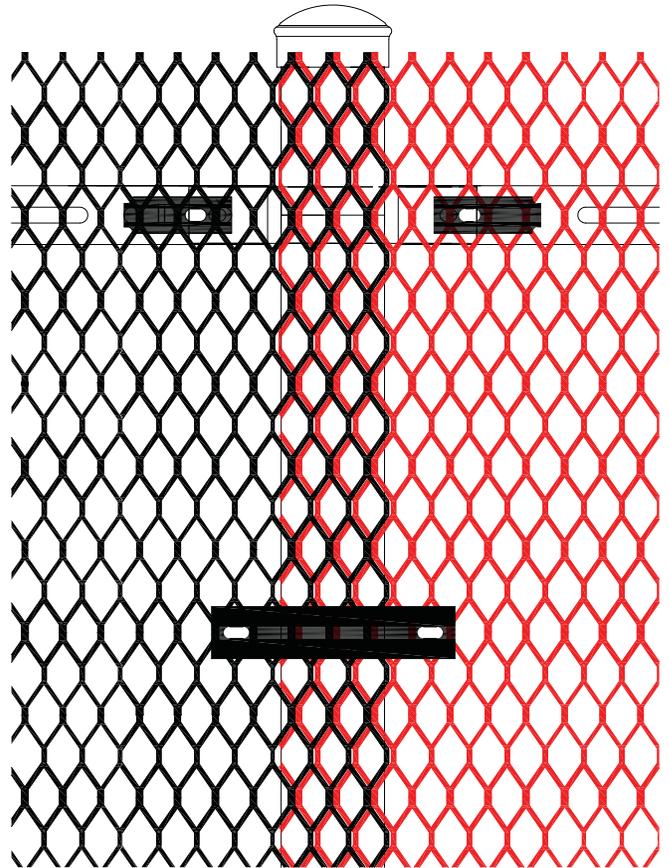
# FENCING ASSEMBLY INSTRUCTIONS



## EXPANDED METAL MESH - ATTACHING MESH TO FRAMEWORK (CONTINUED)

### C) MESH ATTACHES TO LINE POST

- 1) When mesh overlaps at a line post it will attach with a C-clamp on the non-attack side of the fence and be held in place with a bar clamp.
- 2) Overlap mesh up to three diamonds or 3 inches (depending on diamond size).
- 3) Attach C-clamp around back of post, add clamp bar to the attack side and use carriage bolts through the clamp bar, mesh and c-clamp to secure mesh to line post.



### D) MESH ATTACHES TO EACH OTHER

- 1) When mesh meets at a point other than a post, it is held together by sandwiching the two pieces of mesh with two clamp bars vertically positioned and evenly spaced.
- 2) Attach one piece of mesh to another using two clamp bars.



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# FENCING ASSEMBLY INSTRUCTIONS



## POSTS

- Determine post location and spacing.
- Set in concrete.



## ATTACH CLAMPS TO POSTS

- Interlock bands or post clamp sets and slide over posts. Bands or post clamp sets are used for each line rail attachment point.



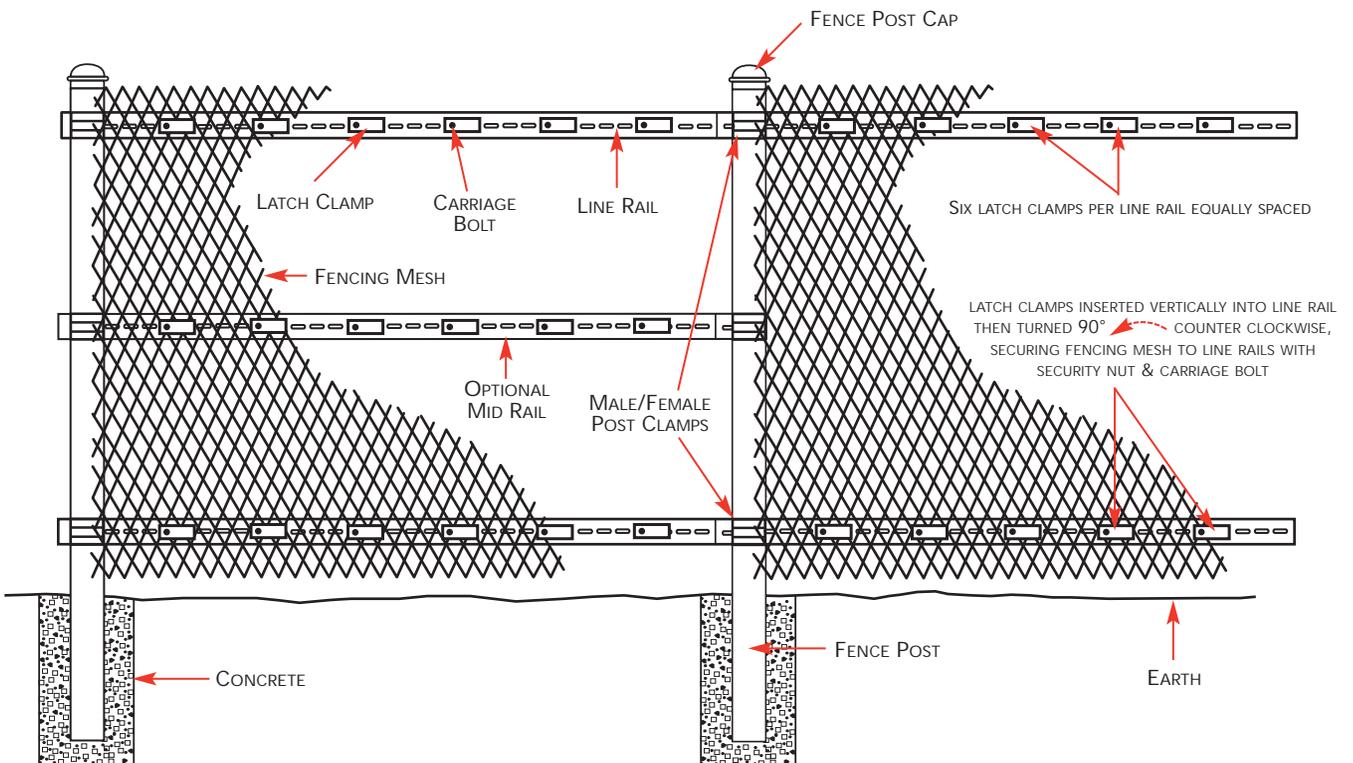
## LINE RAIL ATTACHMENT

- Slide square washer with bolt into edge of line rail.
- Once line rail is in place, slide bolt through clamp and tighten.



## MESH ASSEMBLY

- Attach the mesh along rails (beginning with the top rail) and using the latch clamp assemblies.
- Attach the mesh to end and corner posts using end tensioners.
- Attach the mesh to line posts using C-clamps.
- When necessary, attach mesh to each other using bar clamps.



## NOTES:



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# SPECIAL CIRCUMSTANCES DURING INSTALLATION

## GROUND SLOPE

SECUREX easily adapts to multiple sloping situations. In all cases, SECUREX must be stair stepped during ground slope installation.

Depending on your slope and the amount of gap that is acceptable for your project, installation is best accomplished by decreasing the post spacing until the projected gap reaches a reasonable opening at the lower edge.

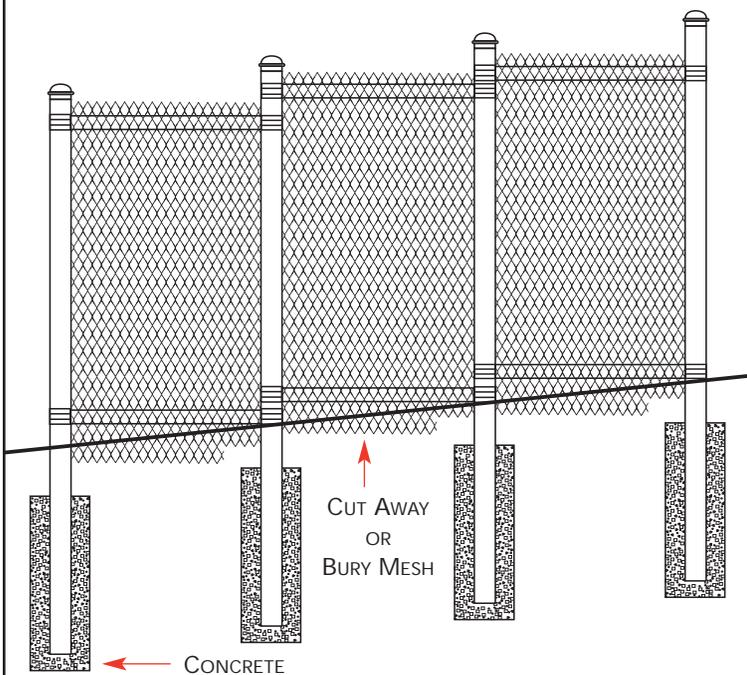
Alternatively - you can choose to bury the mesh at the bottom of the run or cut to 1" above grade before install.

For steep slope areas, you will need to order longer posts and request custom cut panels to ensure your final project has continuity with the fence line.

GRADIENT	MEASUREMENT	POSSIBLE GAP
Gradual	1 in 20	0-5" over 8' span
Gradual	1 in 10	0-10" over 8' span
Steep	1 in 9 (-)	0-20" over 8' span

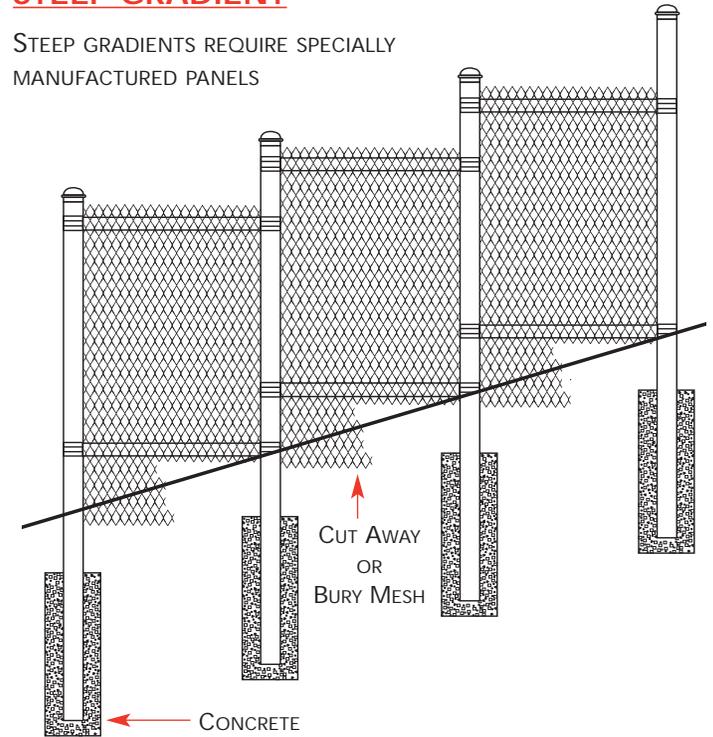
## GRADUAL GRADIENT

STEP ASSEMBLY



## STEEP GRADIENT

STEEP GRADIENTS REQUIRE SPECIALLY MANUFACTURED PANELS

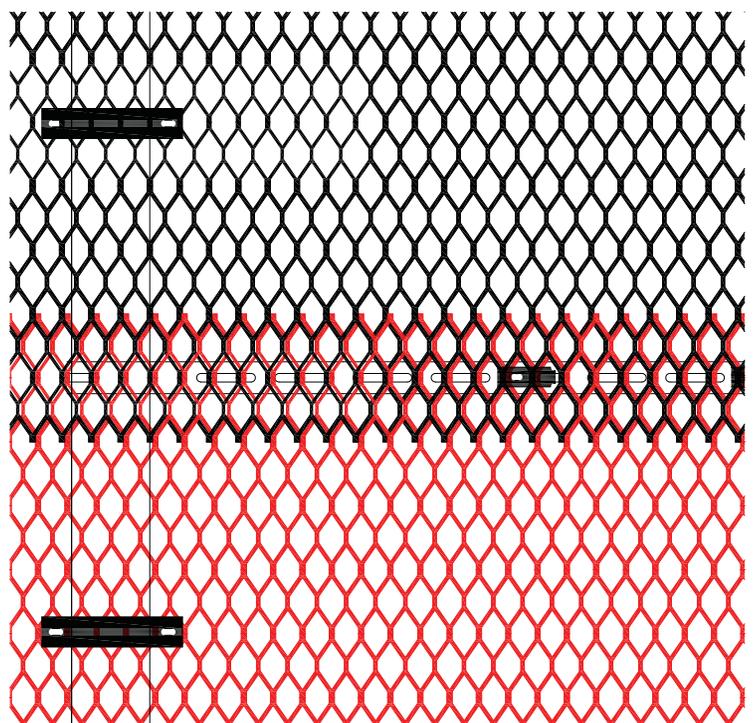


## FENCES OVER 12FT. TALL

When assembling fences higher than 12ft, two pieces of expanded metal will meet at a horizontal line rail.

TO JOIN THE MESH IN THIS INSTANCE:

1. Overlap the mesh by several diamonds and use the latch clamp assembly as described.
2. Clamp mesh to mid line rail using a latch clamp, carriage bolt and u-washer evenly spaced.
3. Use one latch clamp assembly per linear foot.
4. Insert latch clamp vertically through mesh into line rail.
5. Turn latch clamp 90 degrees counter clockwise. Use bolt through the clamp, rail slot and u-washer. Tighten nut and breakaway bolt to secure the mesh to the line rail.



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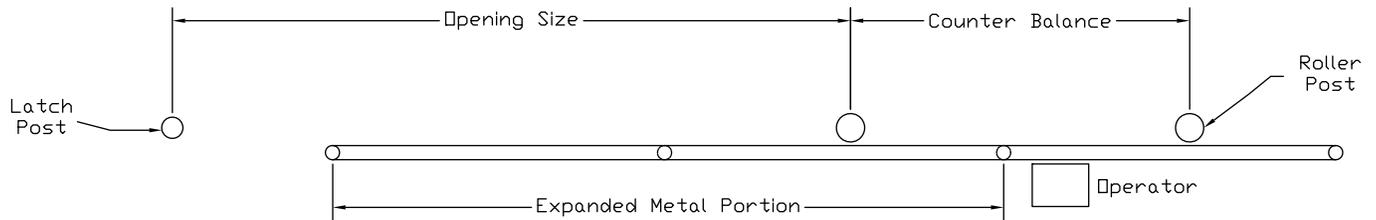
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# SECURITY GATE ASSEMBLY INSTRUCTIONS

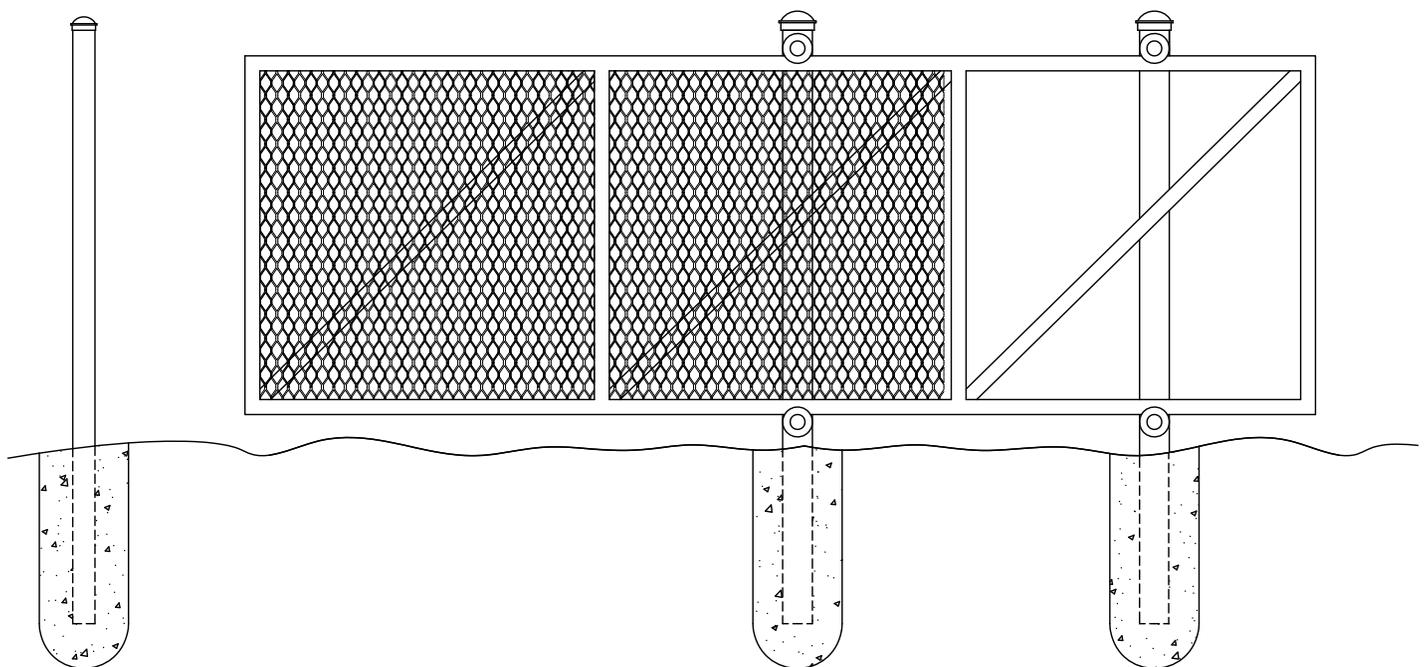
## CANTILEVER

Cantilever gates are unique in that they require two roller posts to hold the rollers at top and bottom as well as a third latch post to secure the gate. SECUREX cantilever gates are one and a half times larger than the opening, creating a counterbalance. Expanded metal will cover the entire opening size but not the counterbalance portion.

1. Use a guide string to establish the run of the gate and set your three posts equal distance from the string.
2. Set your opening posts (latch post and first roller post) to the exact size of the entrance. Set your position of the secondary roller post by laying the gate flat on the ground and marking the position of both rollers relative to the gate.



3. Once the posts are set and plumb install bottom rollers approximately 2"-4" above ground level. Check level with a piece of spare pipe between the rollers.
4. Install top rollers and hand-tighten.
5. To hang the gate, center over the two bottom rollers and stand upright. Next, go to the top rollers and lower them down to the top rail leaving approximately 1/2" space between the roller and the top of the gate frame.
6. Slide the gate and check for any necessary adjustments on the rollers. Completely tighten down all nuts and bolts.
7. Install Cantilever Roller Covers.
8. Install latch or automatic operator with electric locks.



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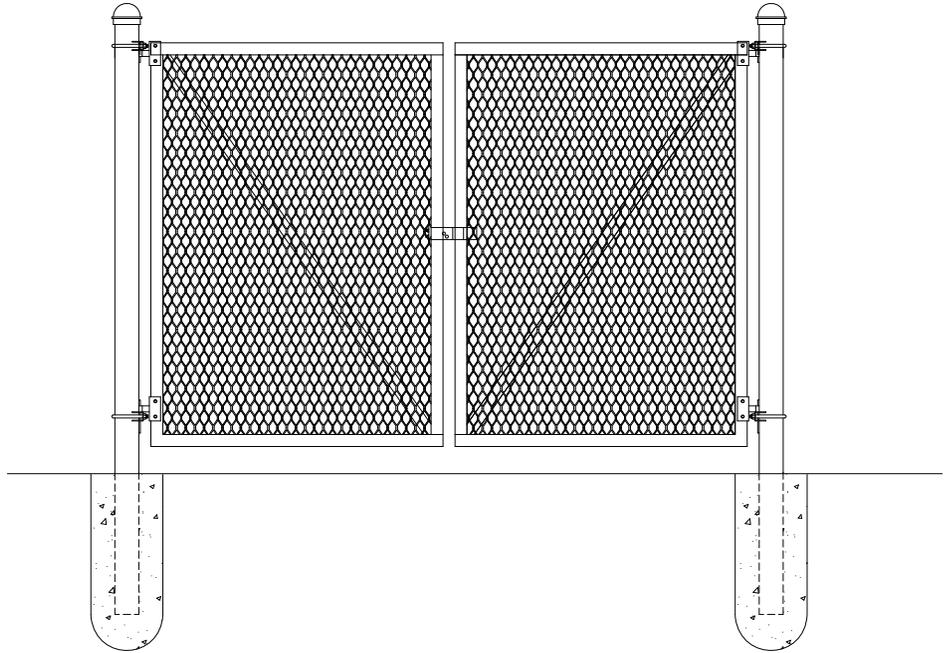
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# SECURITY GATE ASSEMBLY INSTRUCTIONS

## DOUBLE SWING GATE

SECUREX double swing gates are ideal for most applications and are designed to be automated or operated manually.

1. Set posts plumb using the overall size of the opening. Inside to inside of gate posts should measure the size of the opening with accommodation for hinges and latch.
2. Hang gates.

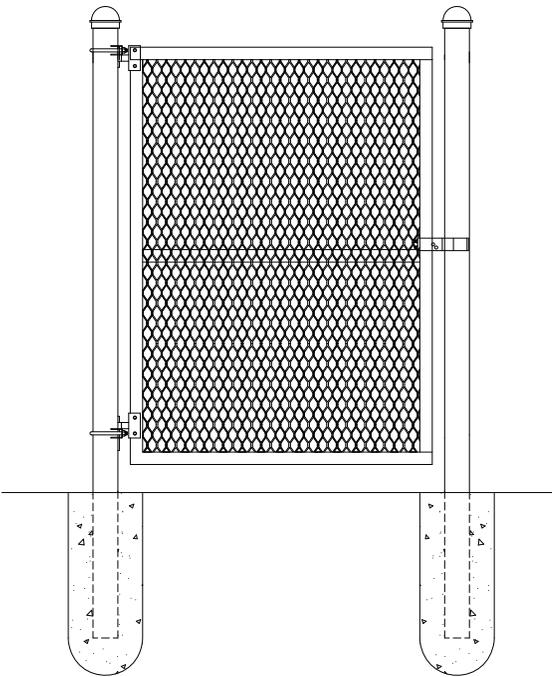


## SINGLE SWING PEDESTRIAN GATE

SECUREX has two options for pedestrian gates; standard and a pre-hung security gate with a panic bar.

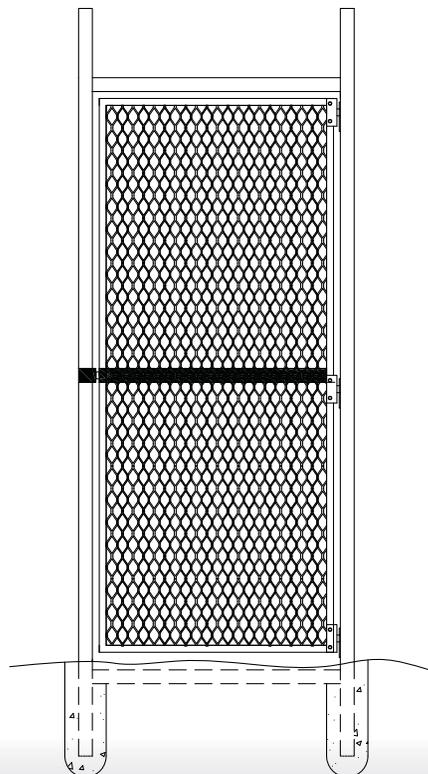
### STANDARD

1. When setting gate posts, confirm opening size making allowances for hinges and latch.
2. Attach hinges, hang gate and install latch.



## SECUREX SECURITY PANIC BAR GATES

1. Security gates are pre-hung with a completely installed panic bar. Dig two holes and a 12"-18" deep trench between them to accommodate bottom stabilizer portion of frame.
2. Set the posts and let concrete cure.



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