



## **SECUREX RETRO-FIT EXPANDED METAL FENCE SYSTEM**

### **Basic Installation Specifications**

Type 2- Retro-Fit over partial framework

8' ft high – 3 rail (post in place, horizontal line rails required)

Mesh Specifications – 1”-#7, ½”-#13 or ¾”-#9

**Fence Framework** – 2-1/2” OD or larger Schedule 40/SS40 line posts set 93”-120” O.C. Each fence post will have a matching pressed steel dome cap to seal out moisture. This expanded metal fence system includes three horizontal line rails (top, mid and bottom). Fence line rails consist of 1-5/8" x 13/16" x 14 ga steel channel installed using 3 Securex clamp-sets or bands with 1” square washers. Fence top rail is to be installed 3-8” below top of mesh. Bottom rail is to be installed 3-8” above the bottom of expanded metal mesh.

**Fence Terminal Posts (end and corner)** – 2-1/2” OD or larger Schedule 40/SS40 fence posts should be fully anchored and plumb. The terminals will attach to remaining fence framework with appropriately sized Securex bands. Additionally, expanded metal mesh will attach to terminal posts with Securex end tensioner assemblies spaced evenly between rails at a max of 18” from fence line rails. Corner posts attach to line rails with Securex bands. Fence terminal posts will have matching dimension pressed steel dome cap. Expanded metal mesh will fit flush to post or overlap max of 2” to eliminate open space.

**Securex Expanded Metal Mesh** – Galvanized expanded metal mesh material will be zinc coated hot dip galvanized per ASTM A123. If color coated mesh is required coating will meet specifications per ASTM 1043-06. Expanded metal mesh will overlap up to 3 diamonds or 3 inches (depending on diamond size) at line posts except where adjustment is needed to follow contour of terrain. Expanded metal mesh shall be installed flush and/or overlap the fence end post a maximum of 2”. Mesh panels shall have no more than 1” space between bottom of mesh and grade.

**Fence Fittings** – Fence top, mid and bottom rail is connected to line post framework using the appropriately sized Securex bands. Expanded metal mesh is connected to fence line posts with Securex c-clamps evenly spaced. Expanded metal mesh is then attached to line rails using Securex latch clamps and u-washers through the slotted channel rails at a max of 15” per panel. Mesh is connected to terminal posts with Securex end tensioner assemblies. If, due to terrain or spacing requirements, expanded metal mesh overlaps at a position that does not coincide with a line post, mesh is joined using Securex bar clamps horizontally positioned and evenly spaced.

**Fence Fasteners/Bolts**- The Securex expanded metal fence system recommends the use of stainless steel square shoulder carriage bolts with stainless steel breakaway nuts. Alternatively, the Securex system can be installed with standard carriage bolts tightened securely then peened to prevent removal.