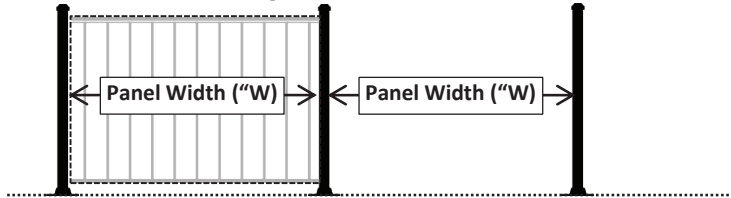




Tools you will probably need:

- Level
- Mitre Saw
- Tape Measure
- Drill/driver w/bits
- String or chalk line

❖ Determine location of newel posts.



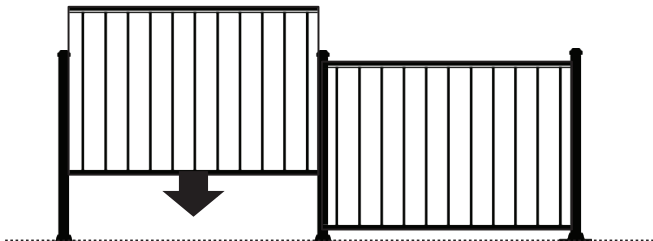
- Locate edge of flanges at least 2-1/2" from edges of platform.
- Mounting holes in flanged must be drilled to accommodate method of securing to floor.
- Posts must be plumb. Shim if necessary with weather resistant shim materials.

❖ If using Installation Spindles:

- Measure up 36" from platform on newel post.
- Measure down 1-1/8" from 36" mark
- Center Installation Spindle on post.
- Fasten Installation Spindle with top at measured mark with included screws.



- ❖ Slide rail panel down over Installation Spindles beginning at bottom rail so top rail rests on Installation Spindle.
- ❖ Secure rail to Installation Spindle with supplied screws on both sides of top and bottom rails.



- ❖ If using Swivel Fitting[s] (accommodates both vertical and horizontal angles):
  - ❖ Install according to instructions included with Swivel Fitting set.

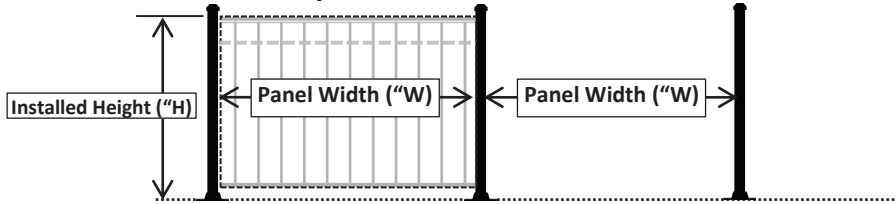


- ❖ Insure connections are tight.
- ❖ Touch up scratches with Gilpin Touch Up Paint.

❖ Tools you will probably need:

- Level    Mitre Saw    Tape Measure    Drill/driver w/bits    String or Chalk line

❖ Determine location of newel posts.



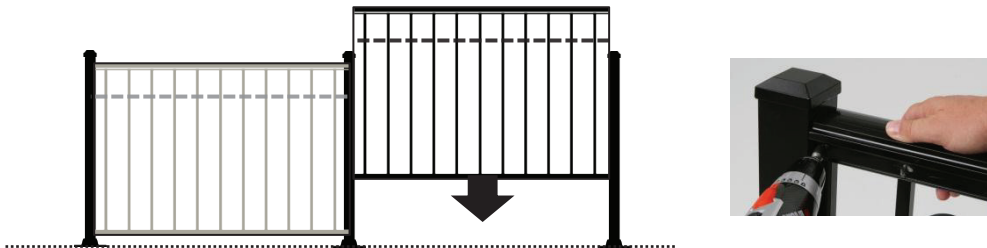
- Locate edge of flanges at least 2-1/2" from edges of surface.
- Mounting holes in flanges must be drilled to accommodate method of securing to surface.
  - Mount flanges with long side laterally perpendicular to railing for maximum stability.
- Posts must be plumb.
  - Shim if necessary with weather resistant shim materials.

❖ If using Installation Spindles:

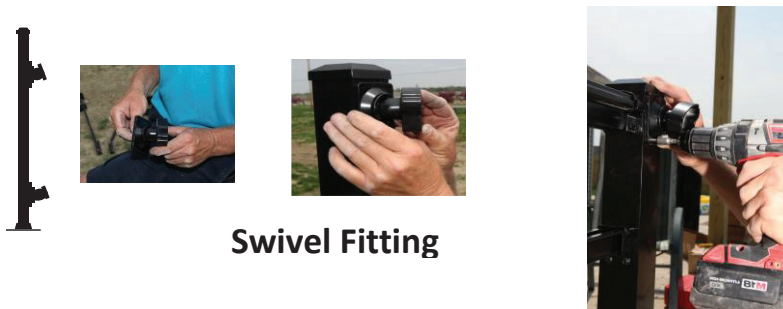
- Measure up from surface to installed height ("H") on newel post. (36" or 42"). Mark
- Measure down 1-1/8". Mark
- Center Installation Spindle on post.
- Fasten Installation Spindle with top at mark with included screws.



- ❖ Slide rail panel down over Installation Spindles beginning at bottom rail so top rail rests on Installation Spindle.
- ❖ Secure rail to Installation Spindle with supplied screws on both sides of top and bottom rails.



- ❖ If using Swivel Fitting[s] (accommodates both vertical and horizontal angles)
- ❖ Install according to instructions included with Swivel Fitting set.



❖ **If using fixed (Wall Mounted) Fitting**

- Determine height of mount (36" or 42"); attach to post (or wall) then determine height of lower mount(s); attach with provided screws.



❖ **Attach Rivet Covers**

- **Align cover; cut to fit if necessary.**
- **Use rubber mallet and wood block to snap cover in place**



- ❖ **Insure connections are tight.**
- ❖ **Touch up scratches with Gilpin Touch Up Paint.**
- ❖ **Step back and admire your installation**





Tools you may need:

- #2 Phillips screwdriver
- 5/16" & 11/32" nut drivers
- 1/8" drill bit

**Summit package contains**

- 2 top and 2 bottom swivel fittings & bases
- 24 #10 X 1" Hex Head Screw
- 4 #8-32 Hex Head Lock Nut
- 4 5/32" X 7/8" Fender Washer
- 4 #8-32 X 1 1/4" Machine Screw
- 4 #8 Flat Washer

**Fairfield package contains**

- 2 top and 4 bottom swivel fittings & bases
- 36 #10 X 1" Hex Head Screw
- 6 #8-32 Hex Head Lock Nut
- 6 5/32" X 7/8" Fender Washer
- 6 #8-32 X 1 1/4" Machine Screw
- 6 #8 Flat Washer

**Midway package contains**

- 2 top and 2 bottom swivel fittings & bases
- 8 #10 X 1" Hex Head Screw
- 4 3/16" X 9/16" Flat Washer
- 4 #8-32 X 1" Machine Screw
- 8 #10 X 1/2" Hex Head Screw
- 4 #8 Flat Washer

**Assemble Ball & Socket Fitting**

- a. Insert bigger washer and #10 machine screw through back of base and through ball fitting.
- b. Loosely fit machine screw with #8 washer and #8 lock nut from inside of ball fitting.
- c. After determining desired angle, use Phillips screwdriver and 11/32" nut driver to tighten.

**Install Angle Attachment to Post  
(or other vertical surface)**

- a. Temporarily place top and bottom angle attachment fitting to end of rail section.
- b. Hold rail section and fittings at desired location to determine desired level of installation.
- c. Mark flange holes at desired location.
- d. Remove fittings from rail section and attach fittings to post with #10 X 1" Hex Head Screw.

**Attach Railing to Angle Attachment**

- a. Insert railing into fittings.
- b. Pre-drill sides of fittings through cross bar of railing with 1/8" drill bit.
- c. Install #10 X 1/2" screw (Midway™) or #10 x 1" screw (Summit™) through pre-drilled hole.

