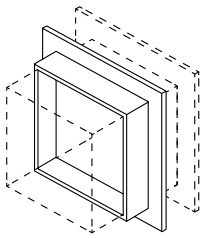
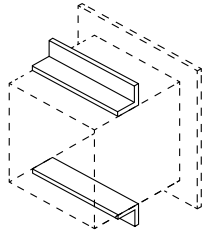


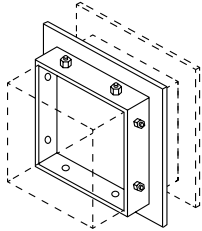
Mounting Collars & Angles



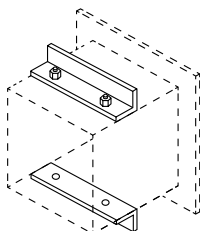
Rear angle frame for field welding



Two loose angle pieces for field welding

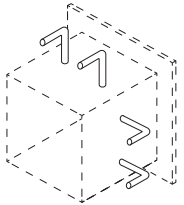


Rear Angle Frame with bolt holes

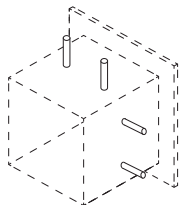


Two loose angle pieces for field welding

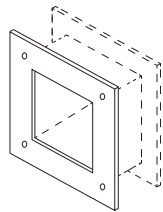
Fastening Methods



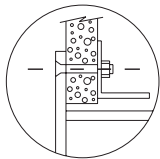
Masonry Tabs



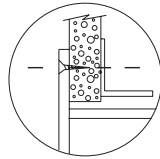
Masonry Rods



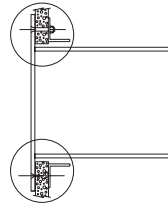
Matching rear plate



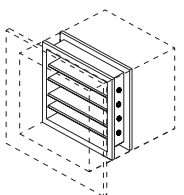
Rear angle ring



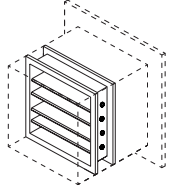
Countersunk screw holes



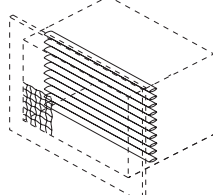
Damper & Air Deflection Options



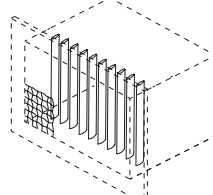
Front operated Opposed Blade Damper



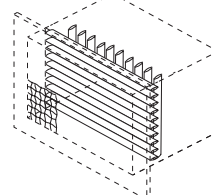
Rear operated Opposed Blade Damper



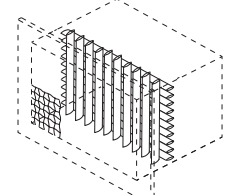
Single deflection, parallel to longest dimension



Double deflection, front blades parallel to longest dimension



Single deflection, parallel to shortest dimension



Double deflection, front blades parallel to shortest dimension

Mounting Collars & Angles:

Rear angle frame of 1" x 1" x 1/8" mill finish steel completely assembled for field welding

Two loose angle pieces of 1" x 1" x 1/8" mill finish steel for field welding, length equal to longest side of grille

Rear angle frame of 1" x 1" x 1/8" mill finish steel completely assembled with bolt holes 8" O.C. for 1/4" dia. bolts (hardware provided by others)

Two loose angle pieces of 1" x 1" x 1/8" mill finish steel with bolt holes 8" O.C. for 1/4" dia. bolts (hardware provided by others), length equal to longest side of grille

Fastening Methods:

Masonry Tabs: size, length and spacing as required

Masonry Rods: size, length and spacing as required

Matching rear plate with weld nuts for room to room or door transfer grilles

Rear angle ring with nut insert for bolting

Countersunk screw holes in face for tamper proof screws

Damper and Air Deflection Options:

Front operated Opposed Blade Damper

Rear operated Opposed Blade Damper

*Single deflection blades, parallel to longest dimension

*Single deflection blades, parallel to shortest dimension

*Double deflection blades, front blades parallel to longest dimension, back blades parallel to the shortest dimension

*Double deflection blades, front blades parallel to shortest dimension, back blades parallel to the longest dimension

Note: * Options include 10 gauge #2 mesh woven wire

Additional Information:

Submittal Notes

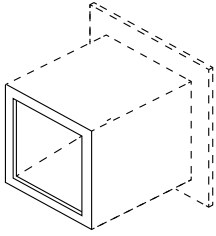
Project / Location:

Engineer:

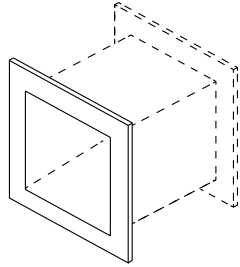
Architect:

Contractor:

Sleeve Options

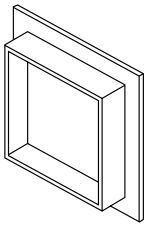


Flange bent in

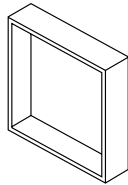


Flange bent out

Barrier Frame Styles

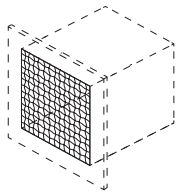


Flange Frame

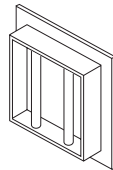


Interior Frame

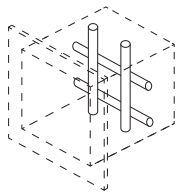
Barrier Design Options



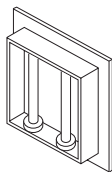
10 ga. #2 Mesh



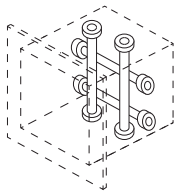
Standard round bars welded to sleeve-Shown in Flange Frame



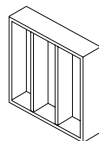
Standard double round bars welded to sleeve-Shown in Sleeve



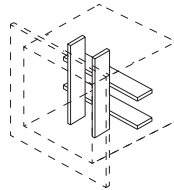
C-61 Rockwell single bars in sockets-Shown in Interior Frame



C-61 Rockwell double bars in sockets-Shown in Sleeve



Single bars welded to center of sleeve-Shown in Interior Frame



Double bars welded to center of sleeve-Shown in Sleeve

Sleeve Options:

- Rear flange bent in, available on all sleeves
- Rear flange bent out, available on all sleeves

Barrier Frame Styles:

- Flange Frame with 2-1/2" x 2-1/2" x 1/4" angle frame
- Interior Frame, separate inner 2-1/2" x 3/8" flat steel frame. Can be used with barrier designs below.

Barrier Design Options:

- 10 gauge #2 mesh woven wire.
- Standard round 1/2", 3/4", or 1" diameter bars welded to sleeve. Maximum 6" vertical.
- Standard round 1/2", 3/4", or 1" diameter bars welded to sleeve. Maximum 6" vertical and 12" horizontal.
- OC-61 Rockwell heat treated 1/2", 3/4", or 1" diameter bars in sockets. Maximum 6" vertical.
- OC-61 Rockwell heat treated 1/2", 3/4", or 1" diameter bars in sockets. Maximum 6" vertical and 12" horizontal.
- 2-1/2" x 3/8" steel bars on maximum 6" vertical centers welded to center of sleeve.
- 2-1/2" x 3/8" steel bars on maximum 6" vertical and 12" horizontal centers welded to center of sleeve.

Screw and Bolts:

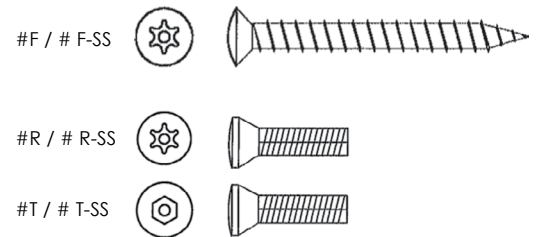
Tamper Proof Screws

- #F – Torx Center Pin
- #F-SS – Stainless Steel Torx Center Pin

Tamper Proof Bolts

- #R – Torx Center Pin
- #R-SS – Stainless Steel Torx Center Pin
- #T – Hex Center Pin
- #T-SS – Stainless Steel Hex Center Pin

SCREWS & BOLTS



Additional Information:

Submittal Notes

Project / Location:	
Engineer:	
Architect:	
Contractor:	