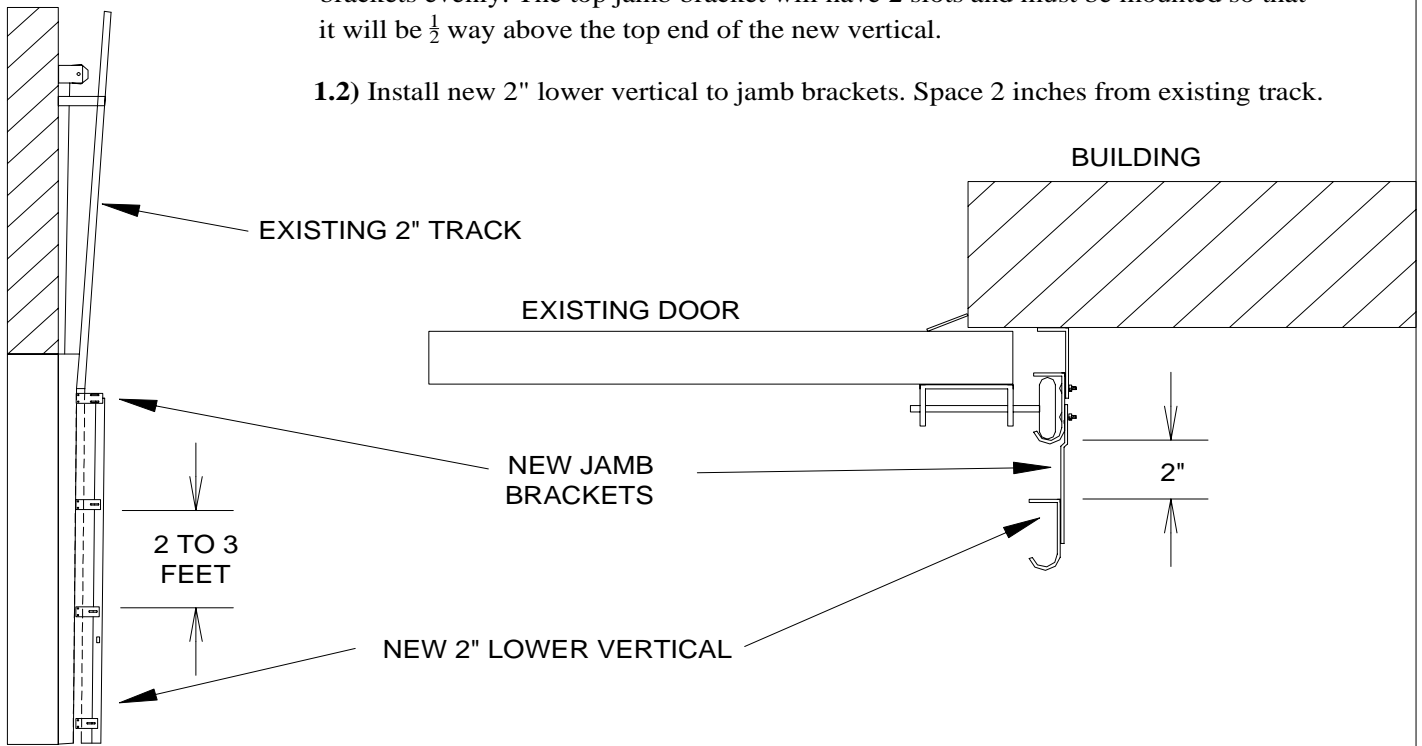


SECURITY GATE BEHIND 2" TRACK VERTICAL LIFT

1)

1.1) Install jamb brackets with bolts or weld to the existing track. Space the jamb brackets evenly. The top jamb bracket will have 2 slots and must be mounted so that it will be $\frac{1}{2}$ way above the top end of the new vertical.

1.2) Install new 2" lower vertical to jamb brackets. Space 2 inches from existing track.



2)

2.1) Install new angle along existing angle (Bolt or weld) 14" beyond existing track.

2.2) Attach new track to angle with 12 inches between tracks. Make sure tracks are properly braced and evenly spaced - parallel and perpendicular. Horizontal bracing between the new tracks may be needed if less than 10' wide.

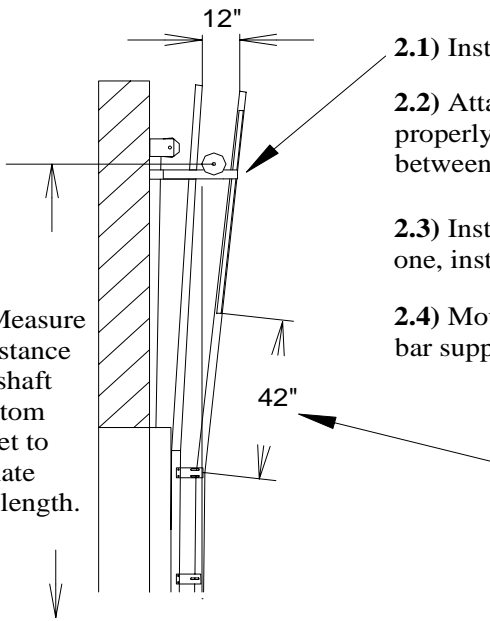
2.3) Install torsion bar mounting brackets on each side (Flat side out). If you have one, install torsion bar support first.

2.4) Mount torsion bar and springs as shown below. Use center support and torsion bar support if over 10' wide.

2.6) Measure the distance from shaft to bottom bracket to calculate cable length.

Bottom end has 42" space for cable clearance. Use top jamb bracket with 4 ea $\frac{1}{4}$ " track bolts to attach to lower vertical.

2.5) Install drums on shaft as shown. Leave $\frac{1}{4}$ " end play to prevent binding. New cable off front of drum.



LOOKING FROM THE INSIDE TOWARDS THE DOOR

Optional torsion bar support

A center support is required on doors 10' and wider.

BLACK SPRING

RED SPRING

RH DRUM

Leave $\frac{1}{2}$ " end play between drums

LH DRUM

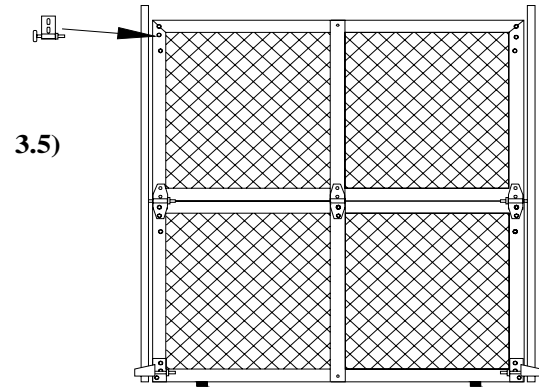
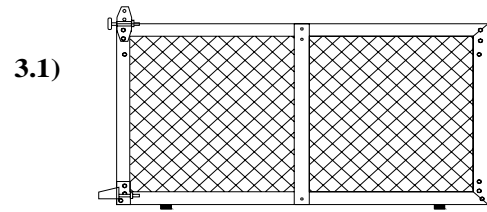
3) **3.1)** Re-using the 2 PK's mount left hinge (numbers down) with roller on the top of the bottom section left side only. Re-using the 3 PK's mount left bottom bracket with roller and cable on the bottom section left side only.

3.2) Install section into track.

3.3) Re-using the 2 PK's mount right hinge (numbers down) with roller on the bottom section right side. Re-using the 3 PK's mount right bottom bracket with roller and cable on the bottom section right side. Using 2 PK's mount center hinge (numbers down).

3.4) If only 2 sections go to **3.5**, otherwise, re-using the 2 PK's mount left hinge (numbers down) with roller on the top of the next section. Lift up onto previous section. Hold it steady while the 6 hinges are fully installed.

3.5) Re-using the 2 PK's mount left top bracket with roller on the top of the top section. Hold it steady while the 3 hinges are fully installed. Re-using the 2 PK's mount right top bracket with roller on the top of the top section.



4)

4.1) Measure the distance from the torsion shaft to the bottom bracket and calculate the cable length as follows:

DRUMS:

OMI 11 VL (8- $\frac{1}{2}$ " Dia.) Bottom bracket to shaft plus 137" minus door opening height.

OMI 18 VL (10- $\frac{5}{8}$ " Dia.) Bottom bracket to shaft plus 232" minus door opening height.

OMI 28 VL (13- $\frac{1}{2}$ " Dia.) Bottom bracket to shaft plus 346" minus door opening height.

4.2) Carefully measure the cables and flatten stops into position.

4.3) Cut off excess cable.

4.4) Install cables and wind springs as specified on the front cover.

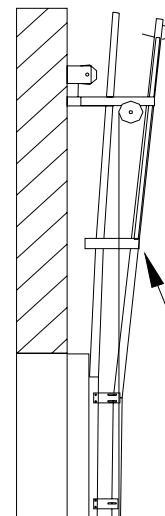
4.5) Install down lock and handle with PK's (self-drillers).

4.6) Install pull rope on bottom under right hand roller.

4.7) Tighten down all fasteners.

4.8) Install stop springs to stop gate above top of opening.

4.9) Check that gate is level. Adjust drum positions on shaft if necessary.



Provide an extra brace if necessary to stabilize track on larger doors.