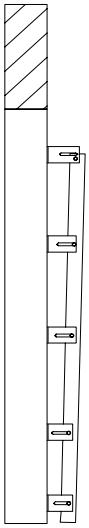
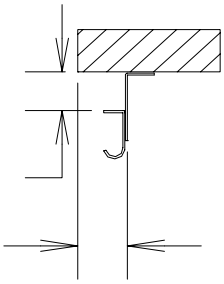
SECURITY GATE INSTALLATION

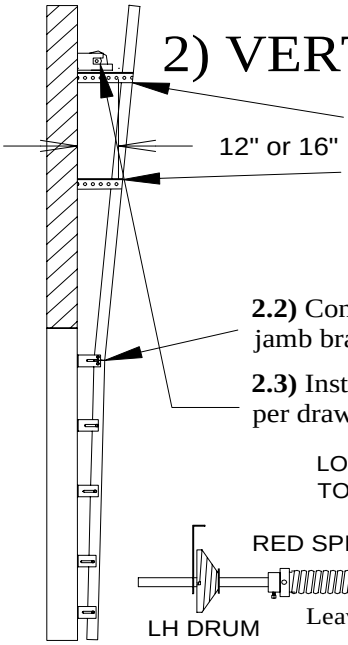
1)



1.1) Install lower vertical track using numbered jamb brackets. Track can be sloped.



2) VERTICAL LIFT

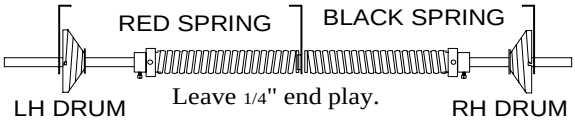


2.1) Install upper track with punched angles. Space from the wall 12" out for doors less than 11' high and 16" for doors more than 11' high.

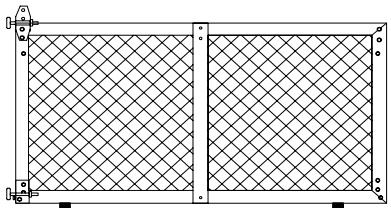
2.2) Connect lower end using top jamb bracket.

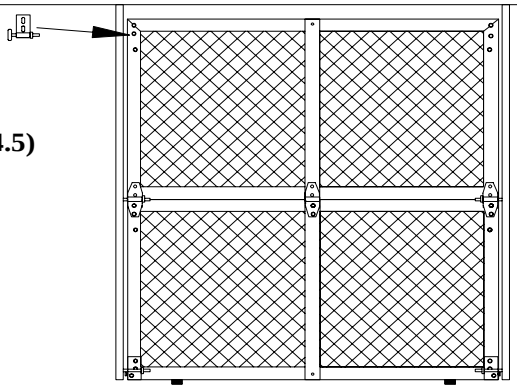
2.3) Install torsion bar and springs per drawing below.

LOOKING FROM THE INSIDE TOWARDS THE DOOR



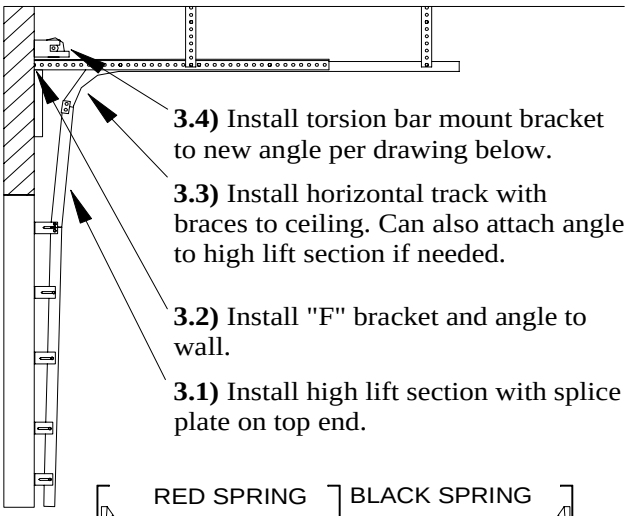
4.3)





4.5)

3) HIGH LIFT

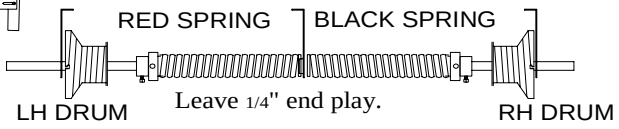


3.4) Install torsion bar mount bracket to new angle per drawing below.

3.3) Install horizontal track with braces to ceiling. Can also attach angle to high lift section if needed.

3.2) Install "F" bracket and angle to wall.

3.1) Install high lift section with splice plate on top end.



4)

4.1) 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.

4.2) Install section into track.

4.3) 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 left bottom bracket with roller and cable on the bottom section right side. Using 2 PK's mount center hinge (numbers down).

4.4) If only 2 sections go to **4.5**, 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.

4.5) 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.

5)

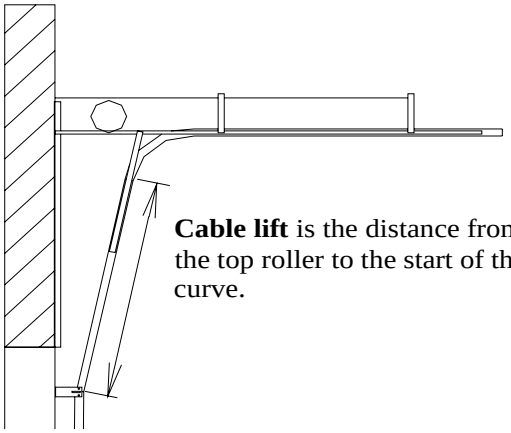
5.1) Measure the distance from the torsion shaft to the floor and calculate the cable length as follows:
(For a rear mounted torsion the distance is measured from the floor around the pulley to the torsion bar.)

VERTICAL LIFT 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.

HIGH LIFT DRUMS:

OMI 54 HL-LD (5-$\frac{7}{8}$" Dia.) Floor to shaft plus 63" minus cable lift.
OMI 54 HL (7-$\frac{3}{16}$" Dia.) Floor to shaft plus 66" minus cable lift.
OMI 120 HL (9-$\frac{3}{16}$" Dia.) Floor to shaft plus 134" minus cable lift.
OMI 164 HL (11" Dia.) Floor to shaft plus 181" minus cable lift.



Cable lift is the distance from the top roller to the start of the curve.

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

5.3) Cut off excess cable.

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

5.5) Make sure tracks are properly braced and evenly spaced - parallel and perpendicular.

6)

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

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

6.3) Tighten down all fasteners.

6.4) Install stop springs to stop door above top of opening.

6.5) Check that door is level. Adjust drum positions on shaft if neccessary.