

Specifications For Aluminum Cantilever Slide Gates 3' to 30' Single or 6' to 60' Double

Aluminum cantilever slide gates, as designed, by Ultra Aluminum Mfg., Inc. shall conform in ASTM Specifications F-1184 "Specifications for Industrial and Commercial Horizontal Slide Gates" and to the following specifications:

Enclosed Top Track shall be a single track and rail aluminum extension weighing 5.25 pounds per foot and shall have minimum $\frac{1}{4}$ " wall thickness at any dimension. The track shall be designed to reduce lateral movement. The top track shall conceal the truck assembly and protect it from the elements. Top track shall be formed to accept the 2" x 2" square vertical and $1\frac{1}{4}$ " x $1\frac{1}{4}$ " square diagonal members of the gate.

Bottom Track shall be a single aluminum extrusion formed to accept the 2" vertical and $1\frac{1}{4}$ " diagonal members of the gate. Wall thickness of bottom track shall be minimum $\frac{3}{16}$ " in cross section. The bottom frame shall also be designed to reduce lateral movement.

Safety Seal: Both top and bottom tracks shall be extruded to include a keyway into which the ends of the filler material (such as chain link fabric) shall fit and protect both bystanders and the gate.

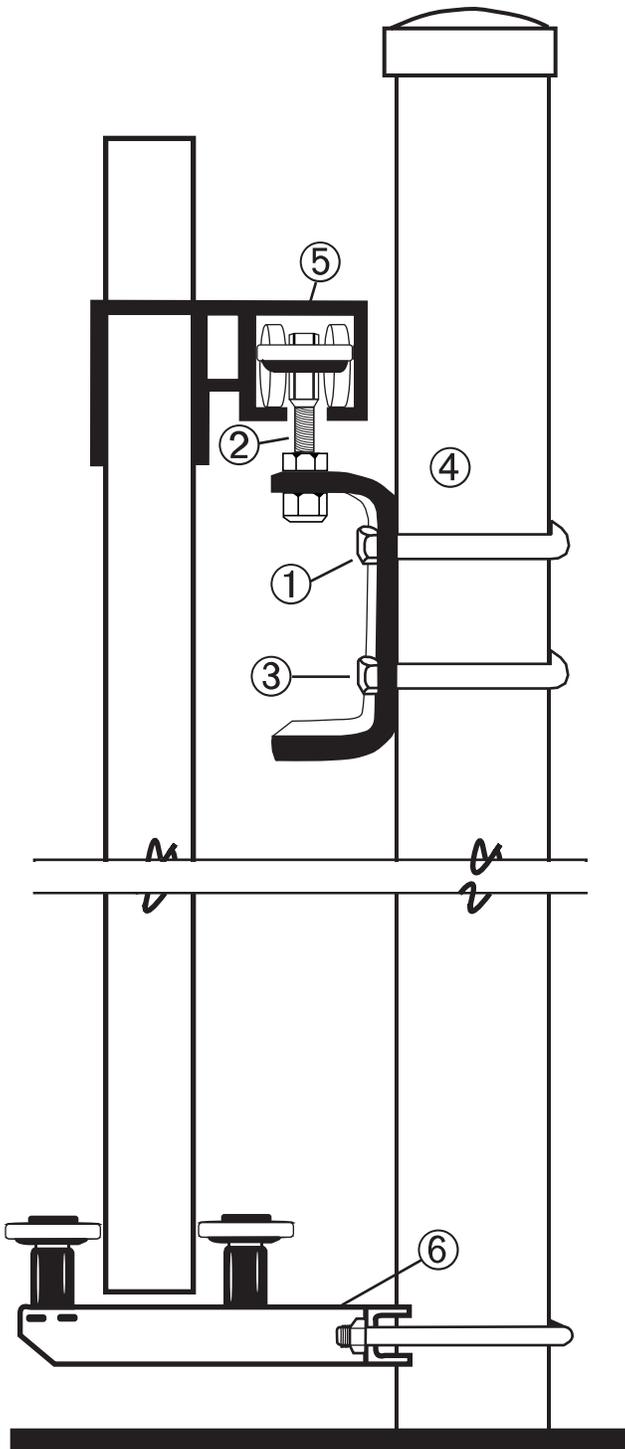
Gate Frames: Vertical members shall be made of 2" square aluminum tubing, with a $\frac{1}{8}$ " wall thickness, alloy 6063-T6, weighing 1.09 pounds per lineal foot. Verticals shall be welded top and bottom to form a rigid unit. Diagonal members shall be made of $1\frac{1}{4}$ " square aluminum tubing, with a $\frac{1}{8}$ " wall thickness, weighing .655 pounds per lineal foot. Diagonal bracing shall be solidly welded in each section (or bay) to prevent sagging.

Truck Assemblies shall consist of two (2) heavy duty swivel type trucks having four horizontal wheels having factory sealed and lubricated roller bearings. There shall be two (2) high impact lateral wheels to ensure alignment of the truck in the top track.

Hardware: All gate hangers, latches, brackets, and associated hardware shall be galvanized after fabrication. Hardware shall meet or exceed ASTM specifications F 626 & A 153.

Gate Posts: Gates shall be installed on 4" OD Schedule 40 galvanized posts weighing 9.11 pounds per foot. Three posts are to be used for single slide gate and four posts for double slide gate.

GATE INSTALLATION

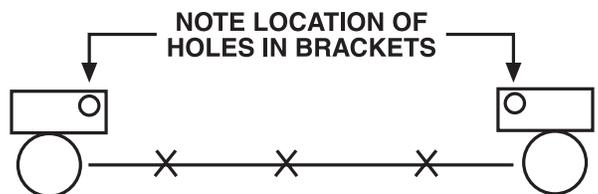


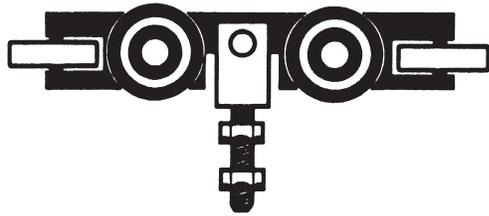
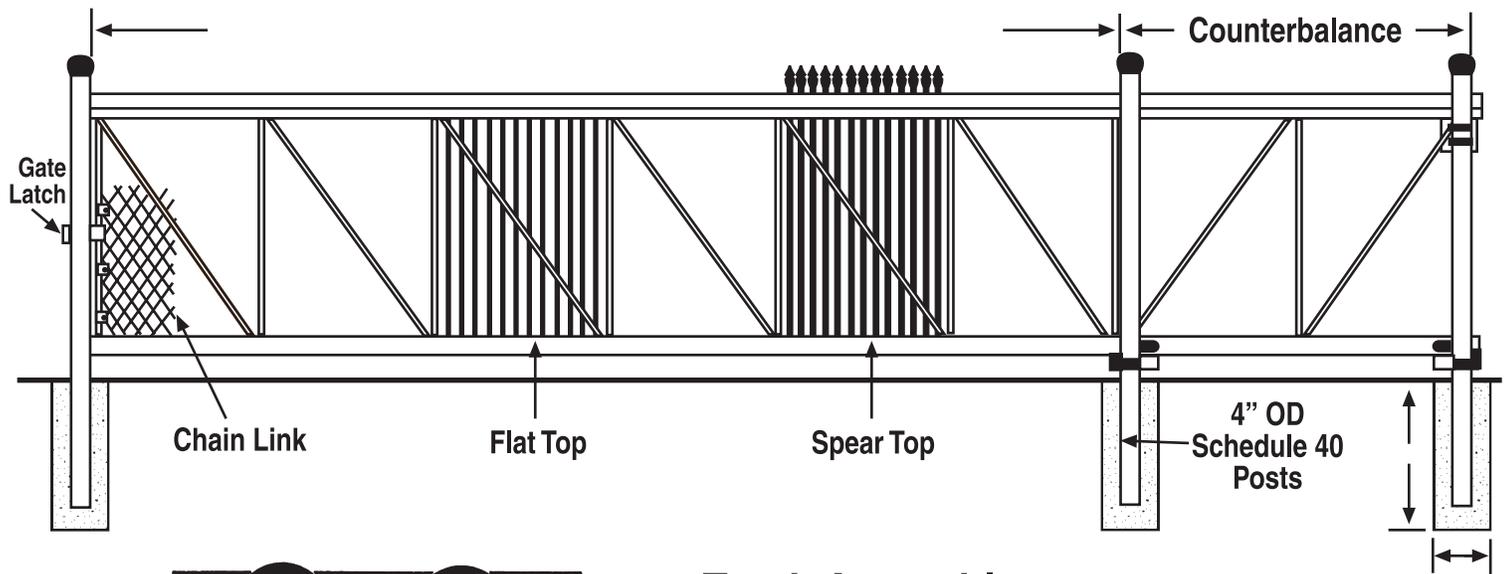
INSTRUCTIONS

1. Attach upper brackets to posts making sure the holes for the truck assemblies are as shown, below.
2. Attach upper truck assemblies to brackets, as shown. Top of vertical wheels should be about $\frac{1}{4}$ " below top rail of fencing.
3. "Snug-up" nuts on U-bolts.
4. Remove stop from one end of upper gate track.
5. Install gate onto truck assemblies and reinstall stop. Center gate on truck assemblies. Adjust truck assemblies making sure gate is level.
6. Bring gate to fully open position and install front lower guide assembly. Then move to closed position and install back lower guide.

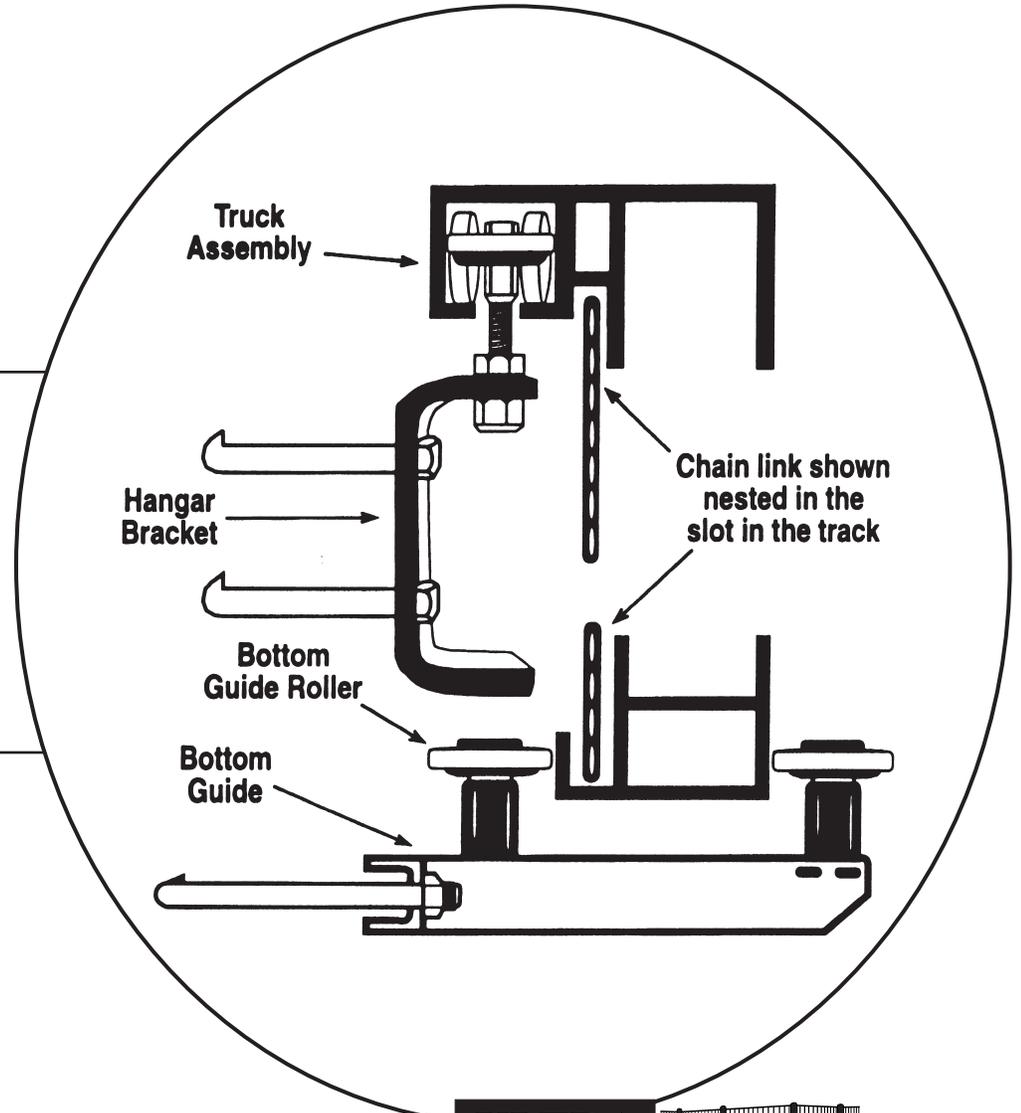
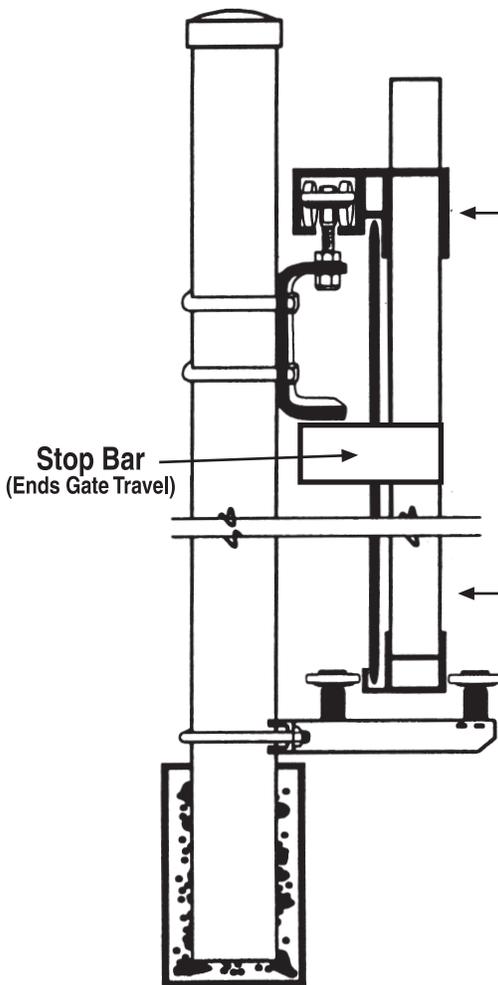
Check final alignment.

When properly aligned, tighten all nuts securely.



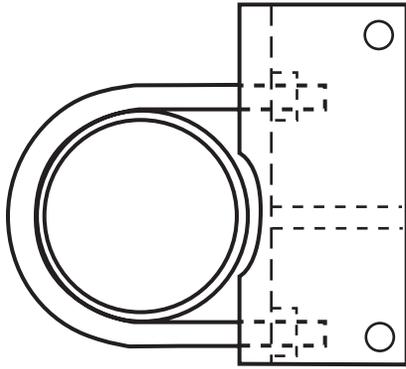


Truck Assembly
(With Sealed Roller Bearings)

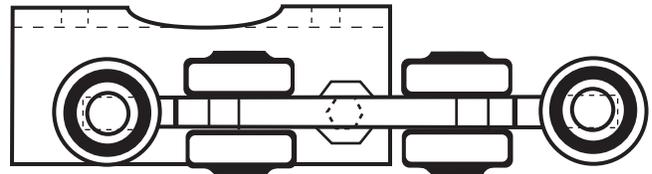


ALUMINUM MFG., INC.

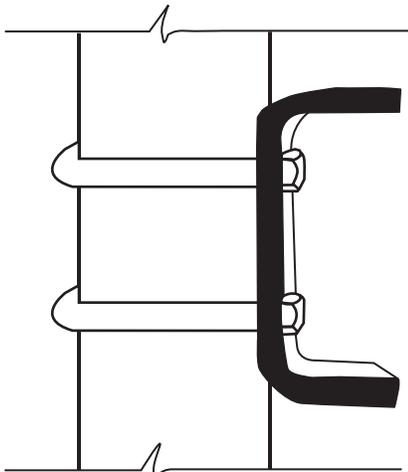
CANTILEVER GATES



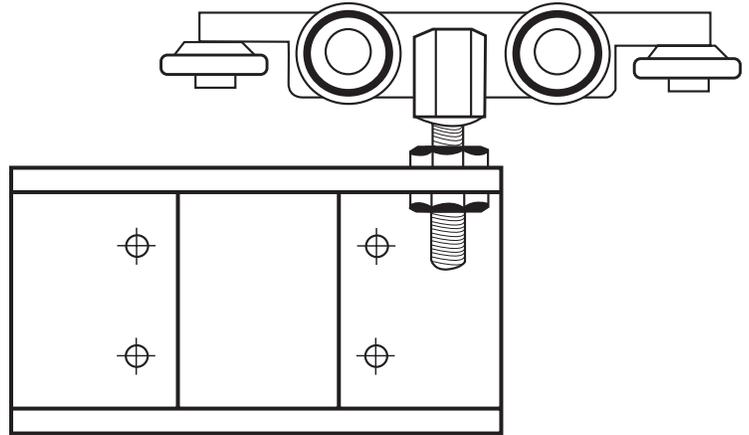
Truck Assembly Bracket (Top View)



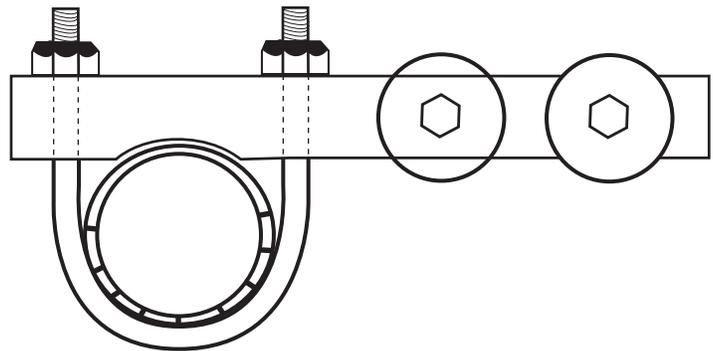
Truck Assembly (Top View)



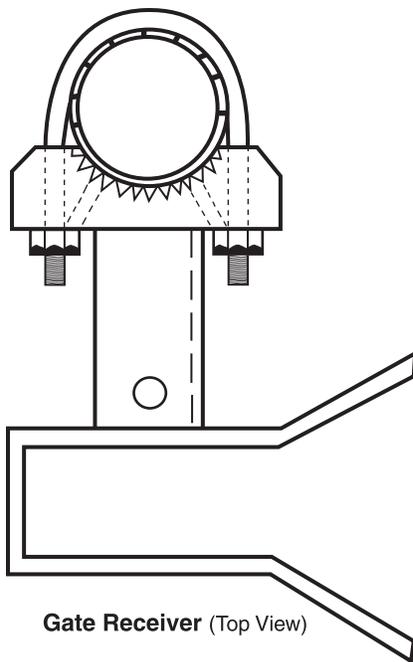
Truck Assembly Bracket (Side View)



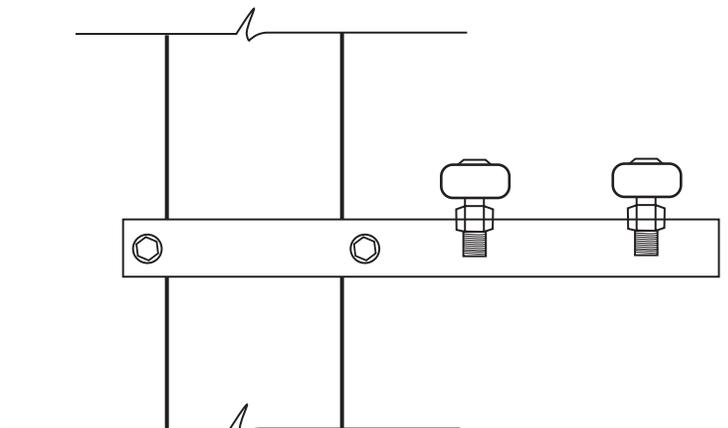
Truck Assembly (Front View)



Lower Guide Assembly (Side View)



Gate Receiver (Top View)



Lower Guide Assembly (Side View)