

TRANSPORT II

U.S.A. Patent Number 5,136,813

ORNAMENTAL CANTILEVER GATE INSTRUCTIONS

*NOTICE: Ornamental Cantilever Gates are supplied with rolls of 2" mesh safety screening in sufficient quantities to cover the entire gate (including overhang) and an equal portion of fence parallel to the gate in the open position up to a height of over 6 feet from ground elevation. This screening must be included when the TransPort Gate is assembled at the jobsite. Additionally, all of the safety requirements of ASTM F2200 must be met during installation. Failure to incorporate the safety mesh or follow ASTM F2200 safety requirements during gate assembly and installation will cause rejection (under UL-325) of the entire gate system any time an attempt is made to attach the gate to an automatic gate operator. Ameristar assumes no responsibility for gate installations that fail to utilize the materials provided or meet the applicable safety standards.

1. All gates require two 4" square truck bracket mounting posts, one to act as Fulcrum Post, the second as Tail Support Post. Set these mounting posts in an off-line configuration as shown in Figure 1. Check grade conditions to ensure posts are set to proper height; allow no more than four (4) inches from bottom of gate to grade. A Supplemental Latch Post, located as shown in Figure 1, is required to mount patented offset latches (see Step 11 - Page 6). See post set table page 2.

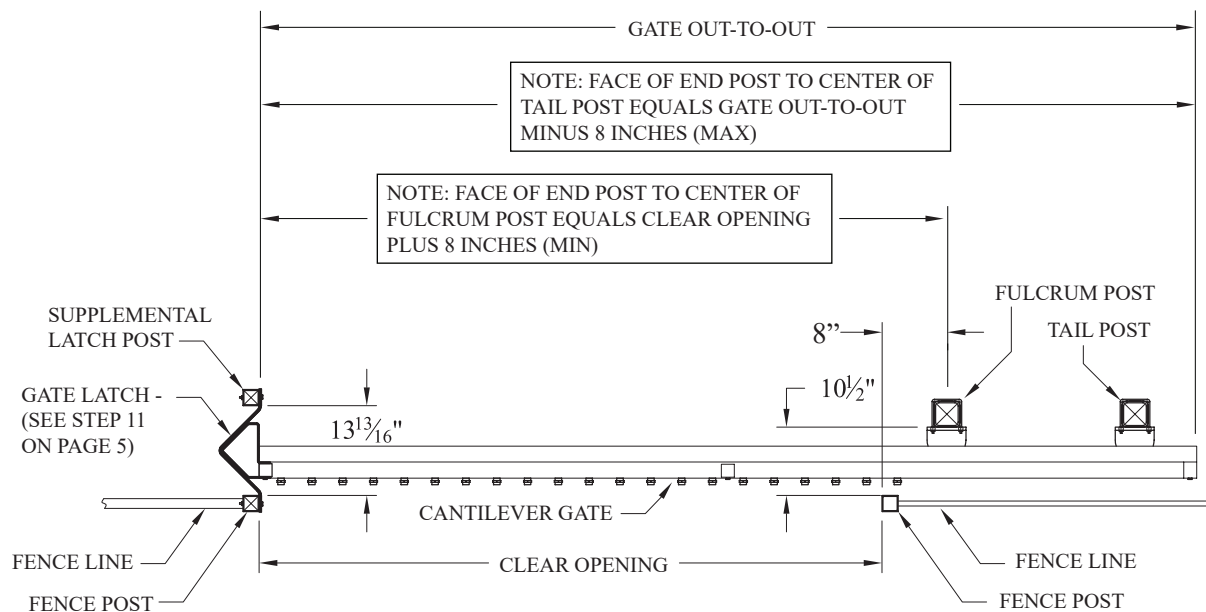


FIGURE 1



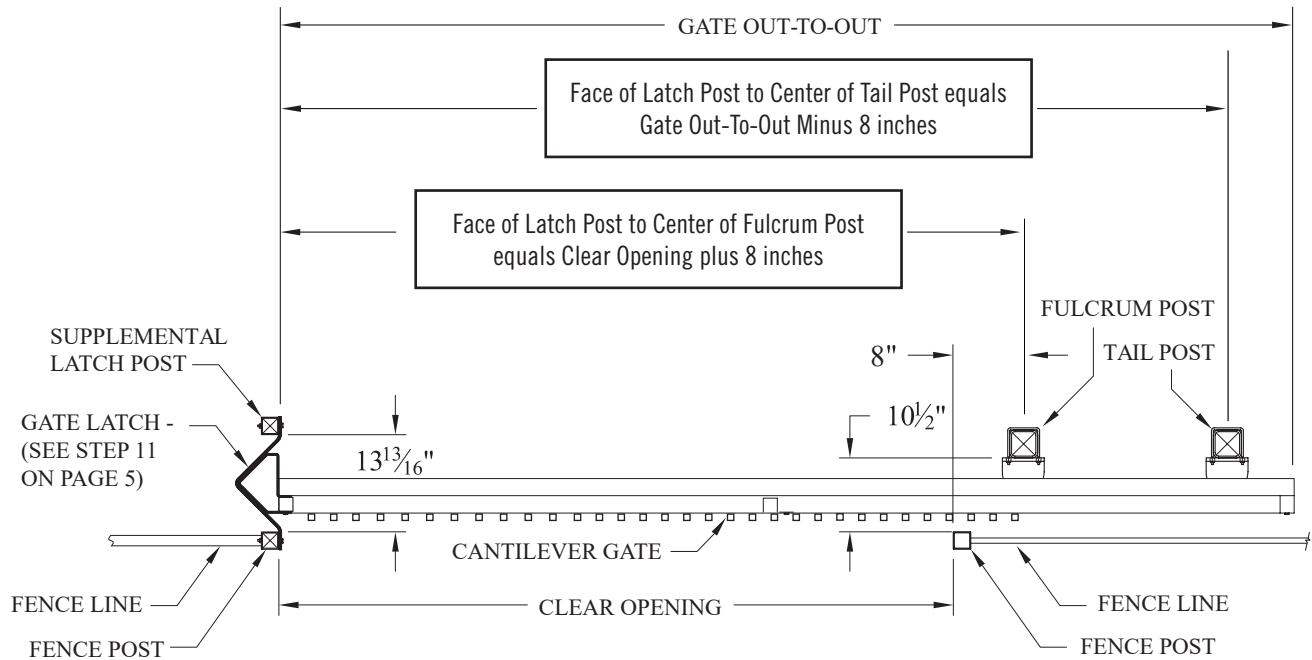
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TRANSPORT II

TRANSPORT ASSEMBLY/INSTALLATION INSTRUCTIONS

TRANSPORT II - POST SET TABLE



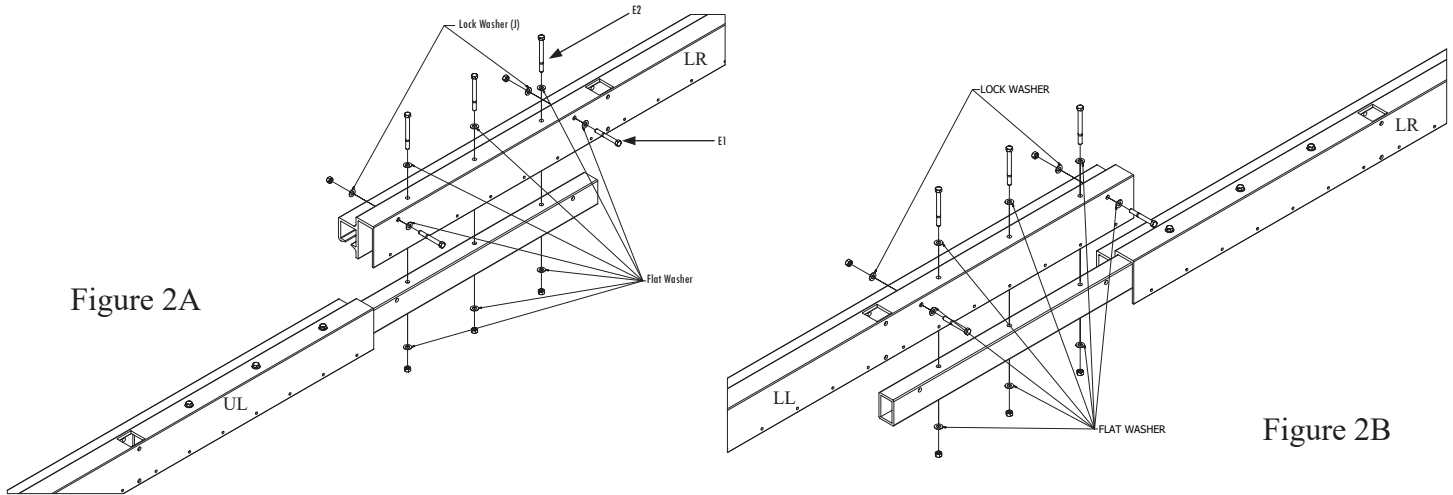
Clear Opening	Gate Out-To-Out	Face to Latch Post to Center of Gate Post	
		Suggested Location 1st Gate Post (Fulcrum Post)	Suggested Location 2nd Gate Post (Tail Post)
6' to 8'	144.5"	Gate Opening + 8"	136.5"
8' to 10'	182.5"	Gate Opening + 8"	174.5"
10' to 12'	211"	Gate Opening + 8"	203"
12' to 14'	249"	Gate Opening + 8"	241"
14' to 16'	287"	Gate Opening + 8"	279"
16' to 18'	325"	Gate Opening + 8"	317"
18' to 20'	372.5"	Gate Opening + 8"	364.5"
20' to 22'	401"	Gate Opening + 8"	393"
22' to 24'	429.5"	Gate Opening + 8"	421.5"
24' to 27'	496"	Gate Opening + 8"	488"
27' to 30'	534"	Gate Opening + 8"	526"

2. Remove all gate components including tracks, uprights, diagonal braces, pickets, hardware and safety accessories. Spread out neatly, preferably in a large flat clean area. Use wood pallets, or studs to keep items from coming in contact with ground. Check quantities against appropriate gate opening on Parts List below.

PARTS LIST

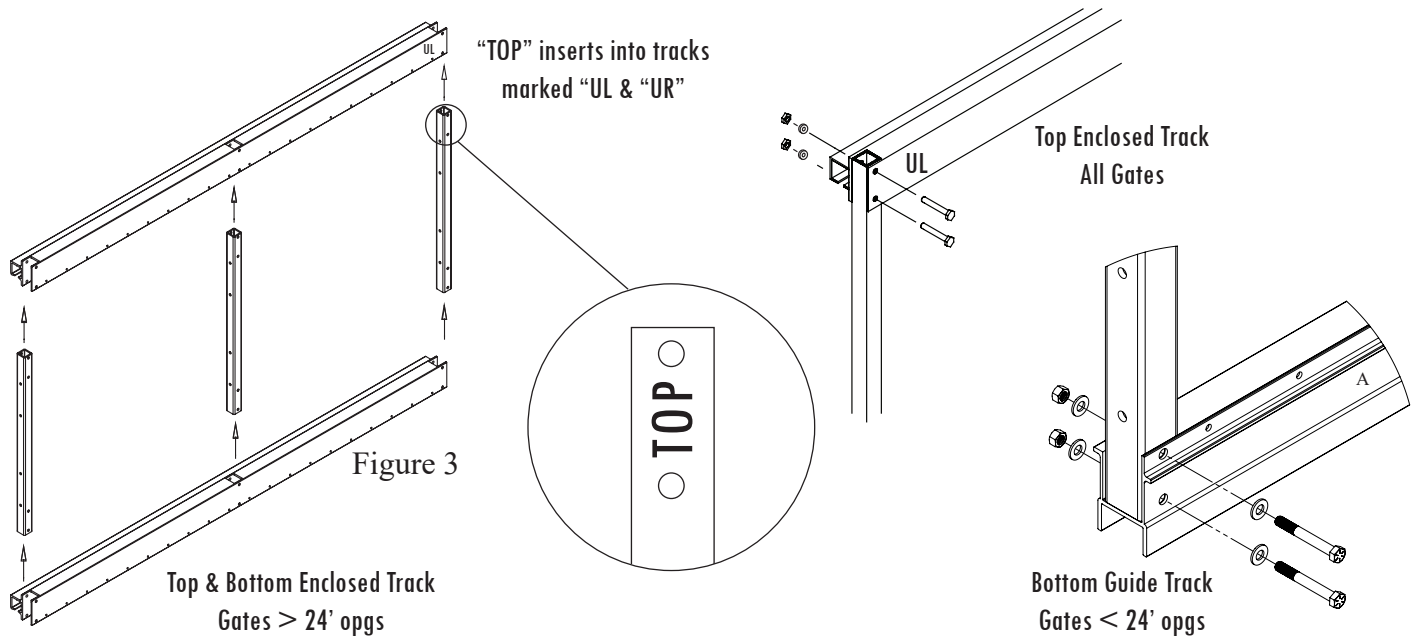
Gate Opening		6' to 8'	> 8' to 10'	> 10' to 12'	> 12' to 14'	> 14' to 16'	> 16' to 18'	> 18' to 20'	> 20' to 22'	> 22' to 24'	> 24' to 27'	> 27' to 30'	
Gate Out-to-Out		144.5"	182.5"	211"	249"	287"	325"	372.5"	401"	429.5"	496"	534"	
Parts		Quantities											
Components	UL	Top Enclosed Track	1	1	1	1	1	1	1	1	1	1 Short Left	1 Short Left
	UR		-	-	-	-	-	-	-	-	-	1 Long Right	1 Long Right
	LL	Bottom Enclosed Track > 24' opg	-	-	-	-	-	-	-	-	-	1 Long Left	1 Long Left
	LR		-	-	-	-	-	-	-	-	-	1 Short Right	1 Short Right
	A	Bottom Guide Track < 24' opg	1	1	1	1	1	1	1	1	1	-	-
	B	Uprights 2" SQ	3	3	5	5	5	5	7	7	7	9	9
	C	Diagonals 2" SQ (plated)	2	2	4	4	4	4	6	6	6	8	8
	D	Pickets 1" SQ	21	27	31	37	42	48	55	59	63	73	79
	E1	Frame Bolts 3/8" x 3"	16	16	32	32	32	32	48	48	48	68	68
	E2	Splice Bolts 3/8" x 4"	-	-	-	-	-	-	-	-	-	12	12
	F	All-Thread Bolt 3/8" x 4"	2	2	2	2	2	2	2	2	2	2	2
	G	Picket Bolts 1/4" x 1-1/2"	42	54	62	74	84	96	110	118	126	146	158
	H	Frame Nuts 3/8" Lock Nut	20	20	36	36	36	36	52	52	52	84	84
	I	Picket Nuts 1/4" Lock Nut	42	54	62	74	84	96	110	118	126	146	158
J	Flat Washer / Lock Washer 3/8"	36	36	68	68	68	68	100	100	100	160/4	160/4	
Hardware	Truck Assemblies		2	2	2	2	2	2	2	2	2	4	4
	Truck Brackets		2	2	2	2	2	2	2	2	2	4	4
	Gate Latch		1	1	1	1	1	1	1	1	1	2	2
	Gate Stop		2	2	2	2	2	2	2	2	2	2	2
	Guide Roller Assembly		2	2	2	2	2	2	2	2	2	-	-
Safety	K	Safety Mesh	50' Roll	50' Roll	50' Roll	50' Roll	50' Roll	100' Roll	100' Roll	100' Roll	100' Roll	100' Roll	100' Roll

3. For gate openings greater than 24 feet, top & bottom enclosed tracks are required to be spliced. Align short left track (UL) to long right track (UR) and insert splice block as shown in Figure 2A. Line up pre-drilled holes, attach with frame bolts (E1), splice bolts (E2), flat washers/lock washers (J), and frame nuts (H). Tighten all nuts thoroughly. Align long left track (LL) to short right track (LR) and insert splice block as shown in Figure 2B. Line up pre-drilled holes, attach with frame bolts (E1), splice bolts (E2), flat washers/lock washers (J), and frame nuts (H). Tighten all nuts thoroughly.

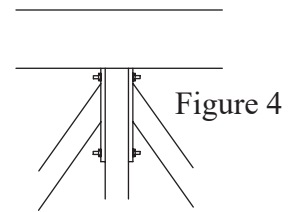


Note: Frame bolts (E1) are used along the side of the track in conjunction with flat washer, lock washer (J) & frame nut (H) assembly.

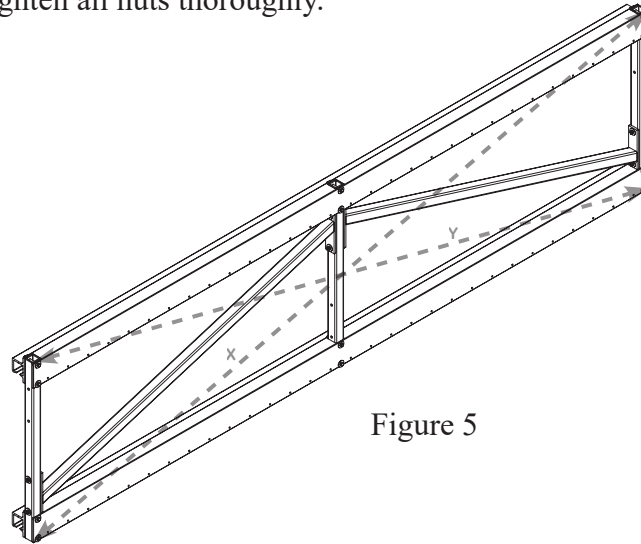
4. Position top and bottom tracks parallel to each other. Allow sufficient space to layout uprights between and perpendicular to tracks (see Figure 3). Ensure correct orientation of each upright. Slide uprights into top track and align with pre-drilled holes. Attach with frame bolts (E1), flat washers (J), and frame nuts (H). Finger tighten. Bring bottom track over bottom of uprights and align with pre-drilled holes. Attach with frame bolts (E1), flat washers (J), and frame nuts (H). Finger tighten.



5. Position diagonal braces in bays between uprights, Figure 5. At top of center upright, attach the two mating diagonals using all thread bolts (F), flat washers (J), and frame nuts (H) as shown in Figure 4. At all other diagonal to upright connections, attach with frame bolts (E1), flat washers (J), and frame nuts (H). Tighten all nuts thoroughly.

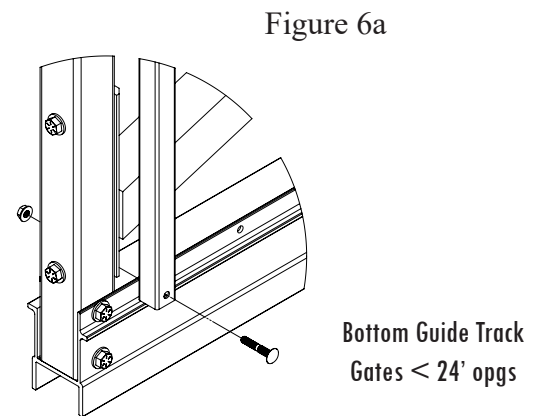
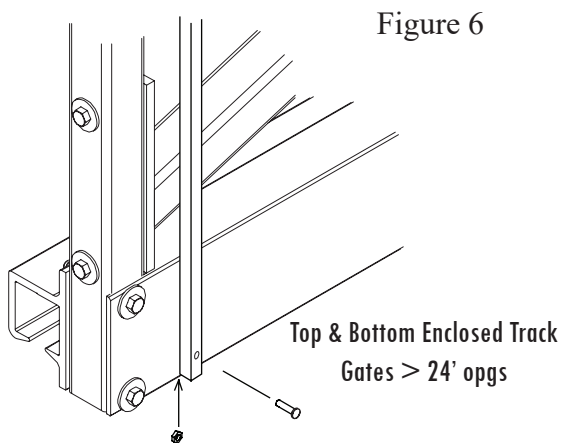


6. Square the gate by measuring from corner to corner on frame as shown in Figure 5. Dimensions “X” and “Y” should be equal (+/- 1/4”) Tighten all nuts thoroughly.

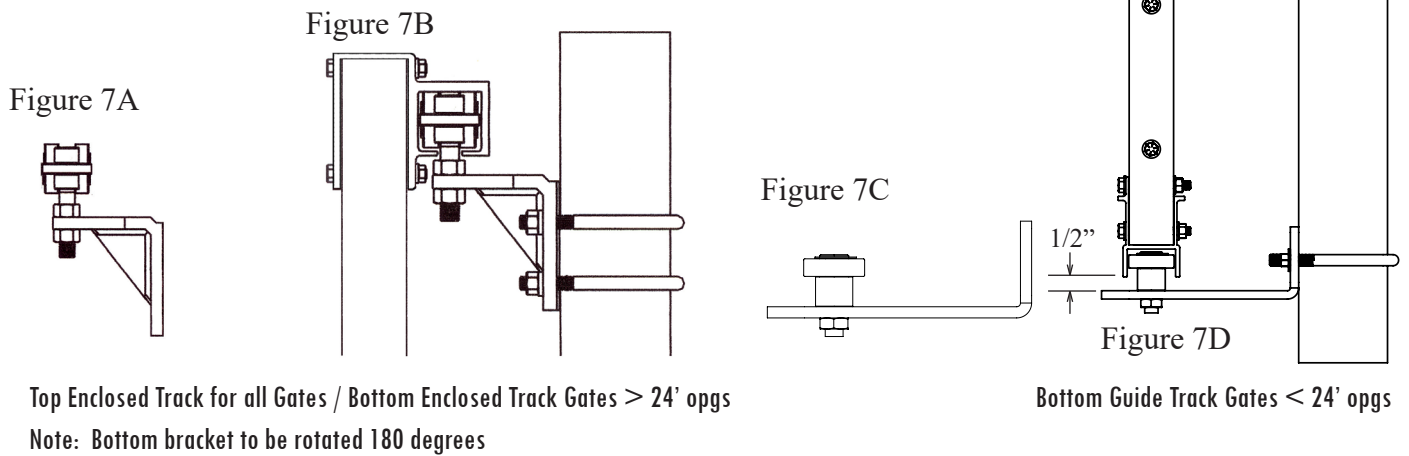


7. Attach safety mesh (K) to bottom 6’ of gate (Note: Zipties supplied; installer is responsible for attachment method). Sufficient mesh is provided to also cover fence that runs parallel to gate travel path.

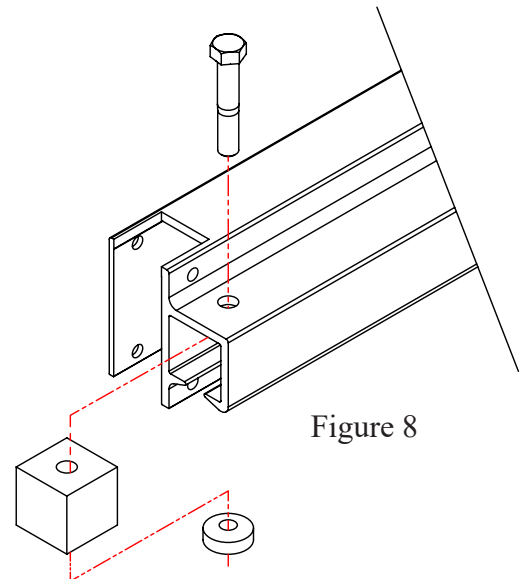
8. Track is predrilled its entire length so that pickets (D) can be attached either left or right depending on the direction of the gate opening. If gate opens to the right, install pickets from left end; if gate opens to the left, install pickets from the right end. Position pickets (D) to align with pre-drilled holes in tracks, attach with picket bolts (G) and picket nuts (I) as shown in Figure 6 & 6a. Tighten all nuts thoroughly.



9. Un-package hardware kits. Install truck & guide assemblies onto brackets as shown in Figure 7A (leaving 1" of thread above bracket) & 7C. Install truck assembly brackets onto gateposts facing the public side of the gate, utilizing u-bolts provided, aligning them so that gate will hang level horizontally, with bottom of gate no more than 4" above grade. Securely tighten truck bracket u-bolts onto posts See Figure 7B & 7D.

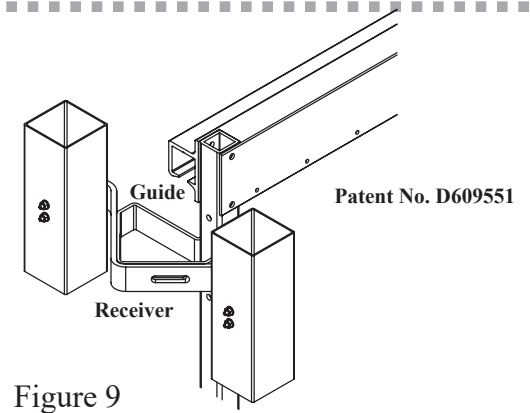


10. Stand the gate upright, being careful not to twist the gate or cause the track to bend. This is most easily accomplished by lifting the top of the gate at two or more equally divided locations (not at the ends) and leaning it against a rigid structure. Keeping the gate upright without twisting, move the gate so that the trailing edge is in line with the first post (closest to the opening); then lift the end of the gate so that the upper and lower track raceways slide onto the first set of truck assemblies. Raise the opposite end of the gate and continue sliding the gate until it engages the second set of truck assemblies. Continue to slide gate to the half-open position. Install gate stops in the raceway of the track on the leading and trailing edges of gate. See Figure 8.



11. To mount gate latch, begin by sliding the gate to the fully closed position. Install the guide on the leading edge of the gate using fasteners provided. Attach the receiver assembly to the tandem receiver posts so that they are aligned with the guide. See Figure 9.

Note: Single Track gates receive 1 gate latch positioned evenly between the top and bottom tracks. Dual Track gates receive 2 latch assemblies positioned 4" below top track and 4" above the bottom track.



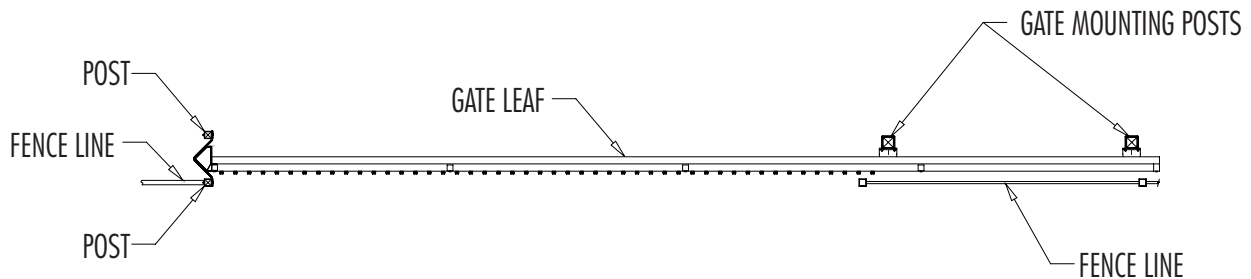
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ADDENDUM TO TRANSPORT ASSEMBLY/INSTALLATION INSTRUCTIONS METHOD FOR ATTACHING SAFETY SHIELD & SAFETY MESH

PRODUCT	DESCRIPTION
Safety Shield	3" x 1" x 18ga
Safety Shield Fasteners	1/4" x 1-1/4" x #4 Tek-Screw
Safety Mesh	6' height vinyl-coated mesh roll
Safety Mesh Fasteners	11" Black Cable Ties

SAFETY MESH

- Safety Mesh shall be affixed to entire gate leaf and adjacent fence line.
- Safety Mesh attached to fence line shall exceed the length of the gate leaf in the full open position.
- Cable ties shall be used to provide positive attachment of the Safety Mesh to the gate leaf & adjacent fence line.
- It is recommended attaching Safety Mesh to the gate frame prior to picket or pale installation.



SAFETY SHIELD

- Safety Shield shall be affixed to gate mounting posts between gate leaf and gate mounting posts.
- Tek-screw fasteners shall be used to provide positive attachment of the Safety Shield to the gate mounting posts.
- Safety Shield shall be installed in such a manner so that there are no voids between the gate leaf and gate mounting posts exceeding 2.25 inches.

