

SECTION 32 31 13.15
ZipTrack™ Cantilever Slide Gates

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Internal roller aluminum cantilever slide gates.

1.02 SUBMITTALS

- A. Changes in specifications may not be made after the published date of bid. All submittals of substitutions must be approved before bid date.
- B. Shop drawings of fences and gates with all dimensions, details, and finishes. Drawings must include post foundations.
- C. Product data: Manufacturer's catalog cuts indicating materials and that all conditions of the specifications have been met.

1.03 WARRANTY

- A. Manufacturer shall provide a limited warranty against failure for the gate, rollers and other parts for a period of 5 years. Failure being any manufacturing defect that prohibits normal operation.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Products from other qualified manufacturers who have five years or more experience manufacturing internal roller aluminum cantilever slide gates will be considered by the architect as equal if approved in writing 10 days prior to bidding, and they meet all specifications for design, size, gauge of metal parts and fabrication.
- B. Approved Manufacturer:
Elite Fence Products Inc.
Phone: (586) 468-4448 Fax: (586) 468-4884

Specification Department
Phone: (586) 468-4448 Fax: (586) 468-4884
info@elitefence.com

2.02 ZipTrack™ Aluminum Cantilever Slide Gate

Gate Frame: As manufactured by Elite Fence Products, Inc. shall conform to the following specifications: ASTM F 1184-88 and FS RR-191/2D Type III & IV. ZipTrack™ is also in **compliance with UL-325, and ASTM 2200**. All frames and tracks are fabricated from “American Made” extrusions (6061-T6). The upper track weighs 5.816# per foot and lower track 3.331# per foot. Upper and lower tracks will be welded and/or bolted to 2” x 2” x .125 wall tubes at 1.106# per foot vertical framing. Each section for the tail will be X-braced with two (2) 2” x 2” x .125 Wall tubes at 1.106# per foot. Each front section will have one (1) 1” x 2” tube at .824# per foot diagonal brace for ornamental gates, or (1) 2” x 2” x .125 Wall tube at 1.106# per foot diagonal brace for chain link gates. Frame only gate made for chainlink may be shipped with the wire in place or the wire can be installed at the jobsite per the customer. The fabric will be held in place by tension bars, aluminum tension bands and bolts. Barbwire will be held in place by aluminum brace bands and bolts.

ZipTrack™ Frame Only (4’ High – 12’ High)

ZipTrack™ Frame Only Plus Barb (6’ + 1’ High – 12’ + 1’ High)

2.03 ZipTrack™ Ornamental Cantilever Slide Gate

Upper track will have holes punched to accept 1” x 1” x .062 wall picket. Each picket will be attached by welding each individual picket to the frame and track. All gates are manufactured with no picket through bottom to be in compliance with **UL325**.

ZipTrack™ Ornamental Gates (3’ High – 10’ High)

2.04 ZipTrack™ Knocked Down Gate

A knocked down gate can be supplied ready to assemble. All hardware is furnished and all necessary holes are pre-drilled. Gates over the specified height may be assembled in the field per specification department.

2.05 Elite Fence Products Inc. ZipTrack™ Cantilever Slide Gate Dimensions

<i>Standard Openings</i>	<i>Standard Support Overhang</i>	<i>Overall Gate length</i>
10' 0"	4' 0"	15' 0"
11' 0"	4' 6"	16' 6"
12' 0"	5' 0"	18' 0"
13' 0"	5' 6"	19' 6"
14' 0"	6' 0"	21' 0"
15' 0"	6' 6"	22' 6"
16' 0"	7' 0"	24' 0"
17' 0"	7' 6"	25' 6"
18' 0"	8' 0"	27' 0"
19' 0"	8' 6"	28' 6"
20' 0"	9' 0"	30' 0"
21' 0"	9' 6"	31' 6"
22' 0"	10' 0"	33' 0"
23' 0"	10' 6"	34' 6"
24' 0"	11' 0"	36' 0"
25' 0"	11' 6"	37' 6"
26' 0"	12' 0"	39' 0"
27' 0"	12' 6"	40' 6"
28' 0"	13' 0"	42' 0"
29' 0"	13' 6"	43' 6"
30' 0"	14' 0"	45' 0"
Dual Track	Dual Track	Dual Track
31' 0"	14' 6"	46' 6"
32' 0"	15' 0"	48' 0"
33' 0"	15' 6"	49' 6"
34' 0"	16' 0"	51' 0"
35' 0"	16' 6"	52' 6"
36' 0"	17' 0"	54' 0"
37' 0"	17' 6"	55' 6"
38' 0"	18' 0"	57' 0"
39' 0"	18' 6"	58' 6"
40' 0"	19' 0"	60' 0"

Gates 31'0" (9449 mm) to 40'0" (12192 mm) dual top tracks member weighing 6.36 lb/ft (9.45kg/m). The bottom rail 4" x 2" weighing 1.71 lb/ft (2.54 kg/m). Top tracks require two additional truck assemblies. For gates over 40'0" (12192 mm) the design and fabrication of the gate will be a *BOX FRAME* design for openings 41' – 60'. Please contact the specification department to make sure gate can be fabricated properly.

A. Gate Finish (Frame)

Choose one: Natural Aluminum or **SUPER DURABLE** polyester coated in color to match fence .

Available colors — Black, White, Quaker Bronze, Walnut Brown, Beige, Hartford Green, Sandstone.

B. Chain Link Fillers- Mill Finish (Aluminum)

Available colors — Black, Chain Link Brown or Chain Link Green

Chain link fabric filler will be installed by customer using hardware provided by Elite Fence Products Inc.

C. Each section for the tail will be X-braced with two (2) 2" x 2" x .125 wall tubes at 1.106# per foot. Each front section will have one (1) 1" x 2" tube at .824# per foot diagonal brace for ornamental gates, or (1) 2" x 2" x .125 wall tube at 1.106# per foot diagonal brace for chain link gates.

D. **ZipTrack™** is an enclosed (**HI-STRENGTH**) combination track and top rail aluminum extrusion weighing 4.75 lb/ft (7.03 kg/m). It will withstand a 2,000 lb (907.2 kg) reaction load. *American made aluminum extrusions.*

E. Truck assembly: Two (2) swivel type truck assemblies consisting of a solid steel zinc plated body, utilizing a 3/4" mounting stud. Each having (2) axels press fitted to the main body. The axles are then press fitted with four (4) permanently lubricated sealed ball bearing wheels mounted vertically for rolling the gate. Two (2) top mounted steel horizontal rolling wheels with sealed bearings are use for alignment. All American made components and assembled st Elite Fence Products manufacturing facility.

- F. Bottom guide wheel assemblies: Two permanently lubricated sealed ball bearing wheels are mounted to the gate post and should be vertically centered in the lower track. All brackets and gate latches will be galvanized after fabrication. Each assembly shall consist of two 3" (75 mm) diameter wheels with covers Per UL-325 and ASTM F 2200, straddling bottom horizontal gate rail, allowing adjustment to maintain gate frame plumb and in proper alignment. Attach one assembly to each guide post.
- G. Gate post brackets, latch and keepers are galvanized steel.
- H. Gate posts are 4" O.D. schedule 40 weighing 9.11 lb/ft (13.6 kg/m) or 4" square 11 ga for Ornamental Slide gates.
- Single gates with single tracks require 3 gate posts. (1 latch and 2 support posts)
 - Single gates with dual tracks require 5 posts. (1 latch and 2 dual support posts)
 - Double gates require twice the number of support posts but do not have a latch post. Also referred to as a Bi-parting gate.
 - All posts are set accordingly:
 - Gate opening is set to the inside to inside dimension. Support posts are set to the outside to outside dimension.

PART 3 EXECUTION

3.01 POST INSTALLATION

- A. Install posts per manufacturer's recommendation.
- B. Set posts in concrete. Dig holes having a diameter 4 times the diameter of the post, and 6" (152 mm) deeper than the bottom of the post. Posts set a minimum depth of 36" (914 mm) for all cantilever gates.
- C. Counterbalance is set to ½ the standard opening (- 1 ft)
- D. Check each post for vertical and top alignment.
- E. Elite Fence Products recommends installation of "Safety Post" on all cantilever gates.

3.02 GATE INSTALLATION

- A. Install gate. Make sure that gate rolls free of binding.

- B. Attach latch and make sure that gate is received by latch in a secure manner.

3.03 CLEANING

- A. Clean up debris and remove from the site.