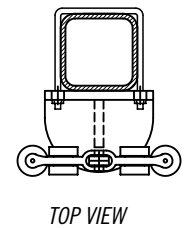
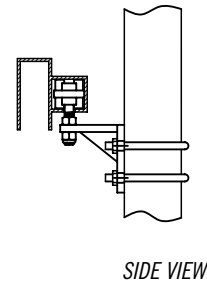
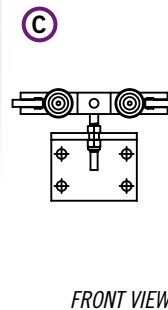
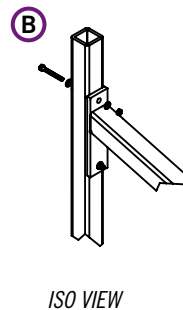
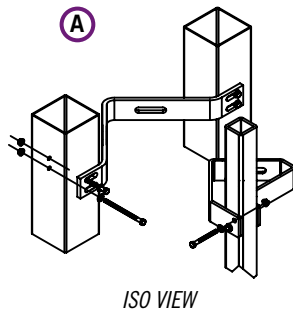
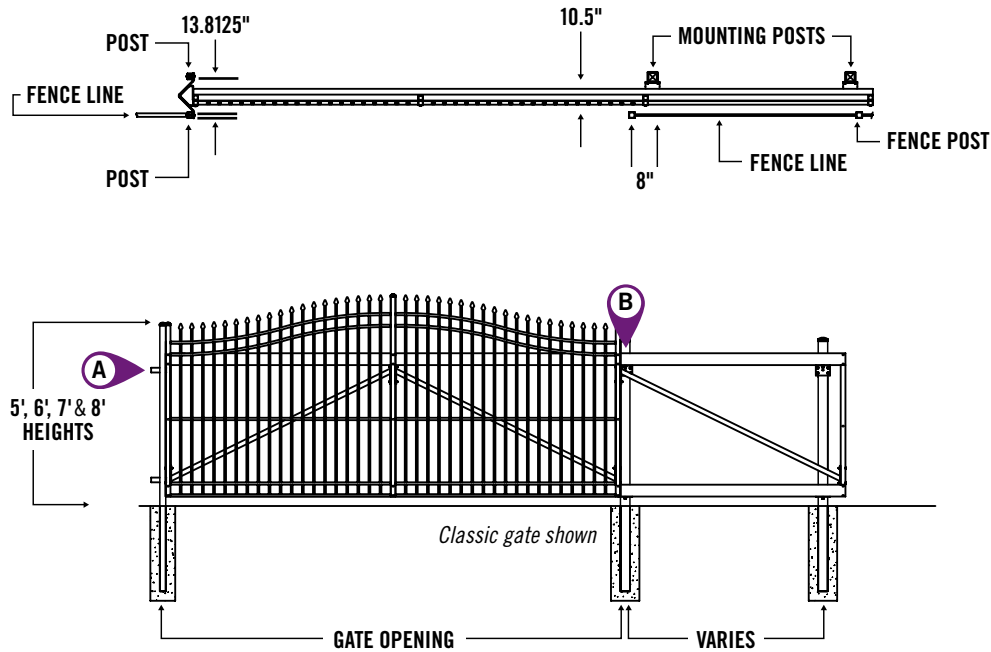


TRANSPORT ESTATE®

2"sq x .25" UPRIGHTS & DIAGONAL BRACES | .75"sq x .125" PICKETS | 1" x 2" CHANNEL x .25" ESTATE GATE RAILS

PATENT NUMBER: D609951



CANTILEVER GATE SAFETY WARNING

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' from ground elevation. **This screening must be included when the TransPort Gate is assembled at the job site.** 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 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.**

Refer to construction specification & tables within this section for more details.

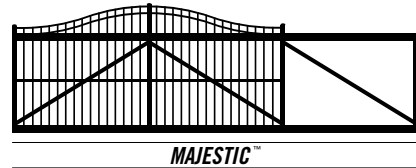
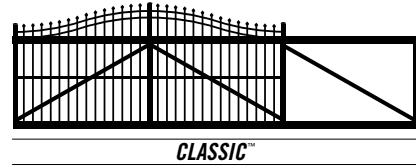
Effective: 01/01/18

TRANSPORT ESTATE® | CANTILEVER GATES

GATE HARDWARE & POST NOT INCLUDED | ASSEMBLY REQUIRED

	OPENING	ITEM NUMBER	WEIGHT	PICKET QTY
4'-5' HEIGHT	10'-12'	EC☒☉54144	422	28
	12'-14'	EC☒☉54168	495	34
	14'-16'	EC☒☉54192	550	38
5'-6' HEIGHT	10'-12'	EC☒☉55144	456	28
	12'-14'	EC☒☉55168	533	34
	14'-16'	EC☒☉55192	590	38
6'-7' HEIGHT	10'-12'	EC☒☉56144	482	28
	12'-14'	EC☒☉56168	572	34
	14'-16'	EC☒☉56192	630	38
7'-8' HEIGHT	10'-12'	EC☒☉57144	525	28
	12'-14'	EC☒☉57168	611	34
	14'-16'	EC☒☉57192	971	38

☒ = FENCE STYLES AVAILABLE | **C** = Classic **M** = Majestic **G** = Genesis
 ☉ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze **W** = White **S** = Sand

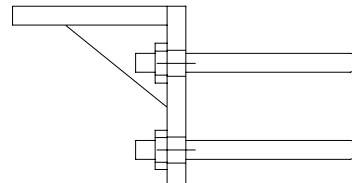
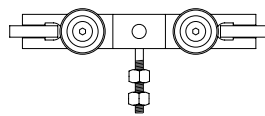
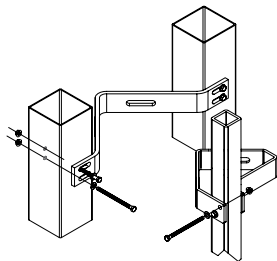


TRANSPORT ESTATE® | CANTILEVER GATE HARDWARE

4" sq. x 11 ga. MINIMUM POST SIZE REQUIRED FOR CANTILEVER GATE INSTALLATION

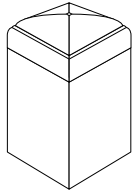
DESCRIPTION	ITEM NUMBER	BOX QTY	WEIGHT
4" sq. Post Gate Kit	TGKODN1	1	80
6" sq. Post Gate Kit	TGKOD-6N1	1	90

Kits include: (4) Truck Assemblies / 6-wheel | (4) Truck Brackets / U-Bolts 4" or 6" sq. per kit size |
 (2) Cantilever Gate Latch / Yolk & Receiver | (2) Gate Stops



Effective: 01/01/18

TRANSPORT ESTATE® | GATE POSTS & POST CAPS



STEEL POSTS

4"sq. x 11ga.

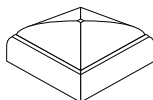
POST LENGTH	ITEM NUMBER	WEIGHT
6'	Pⓧ40072	39 lbs
7'	Pⓧ40084	47 lbs
8'	Pⓧ40096	54 lbs
9'	Pⓧ40108	61 lbs
10'	Pⓧ40120	67 lbs
11'	Pⓧ40132	74 lbs
12'	Pⓧ40144	81 lbs
13'	Pⓧ40156	87 lbs
14'	Pⓧ40168	94 lbs
15'	Pⓧ40180	101 lbs
16'	Pⓧ40192	108 lbs
18'	Pⓧ40216	114 lbs
20'	Pⓧ40240	126 lbs
24'	Pⓧ40288	162 lbs

6"sq. x .1875 wall

7'	Pⓧ60084	102 lbs
8'	Pⓧ60096	116 lbs
9'	Pⓧ60108	131 lbs
10'	Pⓧ60120	145 lbs
11'	Pⓧ60132	160 lbs
12'	Pⓧ60144	174 lbs
13'	Pⓧ60156	189 lbs
14'	Pⓧ60168	204 lbs
15'	Pⓧ60180	218 lbs
16'	Pⓧ60192	232 lbs

ⓧ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze
W = White **S** = Sand

NOTE: In locations subject to freezing temperatures, where posts are grouted into core-drilled holes, a .25" diameter hole should be drilled into the post approximately .5" above the elevation to allow for drainage of ground water build-up. The drilled hole must be wiped clean and be dry prior to applying Ameristar zinc primer and color finish.



STANDARD FLAT CAP

CAP SIZE	ITEM NUMBER	WEIGHT
4"sq.	Aⓧ 509	.4 lbs
6"sq.	Aⓧ 515	.8 lbs

ⓧ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze
W = White **S** = Sand

Effective: 01/01/18

TRANSPORT ESTATE® | CONSTRUCTION SPECIFICATION 32 31 00

ARCHED ENTRY CANTILEVER GATE SYSTEM

PART 1 - GENERAL

1.01 WORK INCLUDED

The contractor shall provide all labor, materials and appurtenances necessary for installation of the arched entry cantilever gate system defined herein at *(specify project site)*.

1.02 RELATED WORK

Section ____ - Earthwork

Section ____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total arched entry cantilever gate system of the Ameristar® TransPort Estate® (*specify Classic™, Majestic™ or Genesis™*) design. The system shall include all components (*i.e., gate modules, tracks, uprights, bracing, pickets, hardware, fittings, and fasteners*) required.

1.04 QUALITY ASSURANCE

The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.05 REFERENCES

- **ASTM A653/A653M** – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process
- **ASTM B117** – Practice for Operating Salt-Spray (Fog) Apparatus
- **ASTM B221** – Aluminum and Aluminum Alloy Extruded Bars, Shapes and Tubes
- **ASTM D523** – Test Method for Specular Gloss
- **ASTM D714** – Test Method for Evaluating Degree of Blistering in Paint
-
- **ASTM D1654** – Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
- **ASTM D2244** – Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates
- **ASTM D2794** – Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
- **ASTM D3359** – Test Method for Measuring Adhesion by Tape Test
- **ASTM D6695** – Standard Practice for Xenon-Arc Exposures of Paint and Related Coatings

1.06 SUBMITTAL

The manufacturer's submittal package shall be provided prior to installation.

1.07 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked

to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

PART 2 - MATERIALS

2.01 MANUFACTURER

All arched entry aluminum cantilever gates shall conform to the Ameristar TransPort Estate gate system, (*specify Classic, Majestic or Genesis*) design, manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma. The project gate schedule shall include the following additional information for each cantilever gate included in the project scope: (*specify nominal opening size in feet*) opening, (*specify nominal height in feet*) height, (*specify direction of gate travel to the open position, right or left, viewing from outside fence line looking in*) gate travel direction.

2.02 MATERIAL

- A. The materials used for cantilever gate framing (*uprights & diagonal bracing*), and arched entry gate leaf/leaves shall be manufactured from **ASTM B221** aluminum (*designation 6063-T-6*) with yield strength of 25,000 PSI, a tensile strength of 30,000 PSI and a standard mill finish. The TransPort enclosed tracks shall be manufactured from **ASTM B221** aluminum (*designation 6063-T-6*) with a yield strength of 25,000 PSI, a tensile strength of 30,000 PSI and a standard mill finish.
- B. Pickets, rails, and gate ends shall be precut to specified lengths and welded into gate modules. Gate module arch shall be designed using a compound arch for top rails.
- C. Material for gate uprights and diagonal bracing shall be 2" square x ¼" wall aluminum. The cross-sectional shape of the top and bottom enclosed-track shall conform to the manufacturers Fast-Trak™ design with as a single extrusion consisting of a 2" x 5" channeled support with integrated 2" x 2" enclosed-track raceway.
- D. Steel material for fence posts shall be galvanized prior to forming in accordance with the requirements of **ASTM A653/A653M**, with minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of **ASTM A653/A653M** with a minimum zinc coating weight of 0.90 oz/ft² (276 g/m²), Coating Designation G-90. Material for gate support posts shall be 4" square x 11 Ga. tubing.
- E. Suspension Rollers for top and bottom tracks shall be used at each support post to track connection. Each truck assembly shall be capable of being adjusted vertically via threaded rod for fine-tune adjustment. Truck assembly shall be constructed in a way so that the primary housing for the truck rollers shall pivot via ball-bearing connection

Effective: 01/01/18

TRANSPORT ESTATE® | CONSTRUCTION SPECIFICATION 32 31 00

ARCHED ENTRY CANTILEVER GATE SYSTEM

to threaded rod.

2.03 FABRICATION

- A. Gate frame uprights and diagonal bracing shall be pre-fabricated and pre-punched to accept frame fasteners. Enclosed track shall be pre-punched to accept gate uprights. Gate modules shall be fabricated to specific length and predrilled to accept module to track fasteners. Posts shall be precut to specified lengths.
- B. Top and bottom enclosed track extrusions shall be mechanically fastened to vertical gate uprights and intermediate supports, as required by assembly instructions. Diagonal bracing shall be mechanically fastened to vertical gate uprights and intermediate supports, as required by assembly instructions. Gate module shall be mechanically fastened to top and bottom enclosed track, as required by assembly instructions.
- C. The manufactured gate components shall be subjected to the Ameristar thermal stratification coating process (*high-temperature, in-line, multi-stage, and multi-layer*) including, as a minimum, a six-stage pretreatment/wash and an electrostatic spray application of a polyester finish. The topcoat shall be a “no-mar” TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (*specify Black, Bronze, White, or Desert Sand*). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in **Table 1**.

PART 3 - EXECUTION

3.01 PREPARATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 GATE INSTALLATION

- A. Cantilever support posts shall be set in concrete footers having a minimum depth of 48" (*Note: In some cases, local restrictions of freezing weather conditions may require a greater depth*). The “Earthwork” and “Concrete”

sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

- B. Gate to be installed per manufacturers gate installation instructions. Gate shall be installed in compliance with **ASTM F2200** standards.

3.03 GATE INSTALLATION MAINTENANCE

When cutting/drilling posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures’ warranty.

3.04 GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers’ drawings, dependent on clear opening. The manufacturers’ gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer’s recommendations.

3.05 CLEANING

The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

TABLE 1

COATING PERFORMANCE REQUIREMENTS		
QUALITY CHARACTERISTICS	ASTM TEST METHOD	PERFORMANCE REQUIREMENTS
ADHESION	D3359 – METHOD B	Adhesion (<i>retention of coating</i>) over 90% of test area (<i>tape and knife kit test</i>).
CORROSION RESISTANCE	B117, D714, D1654	Corrosion resistance over 1,000 hours (<i>scribed per D1654; failure mode is accumulation of 1/8" coating loss from scribe or medium #8 blisters</i>)
IMPACT RESISTANCE	D2794	Impact resistance over 60" lb. (<i>forward impact using 0.625" ball</i>).
WEATHERING RESISTANCE	D822 D2244, D523 (60° method)	Weathering resistance over 1,000 hours (<i>failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units</i>).

Effective: 01/01/18

Effective: 01/01/18