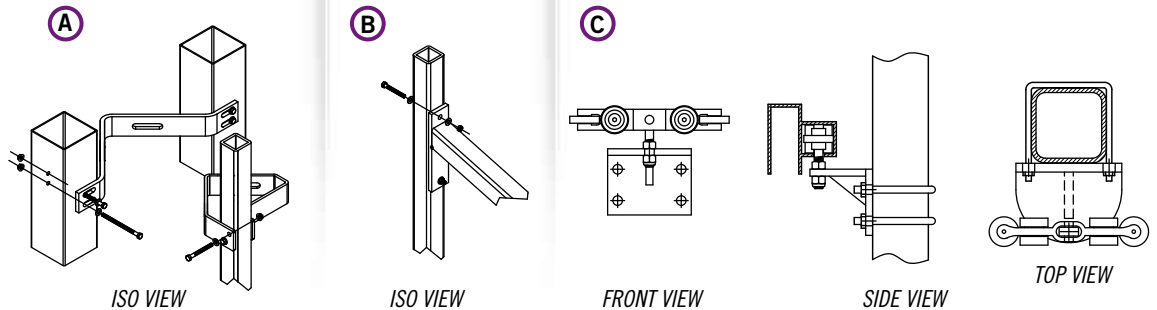
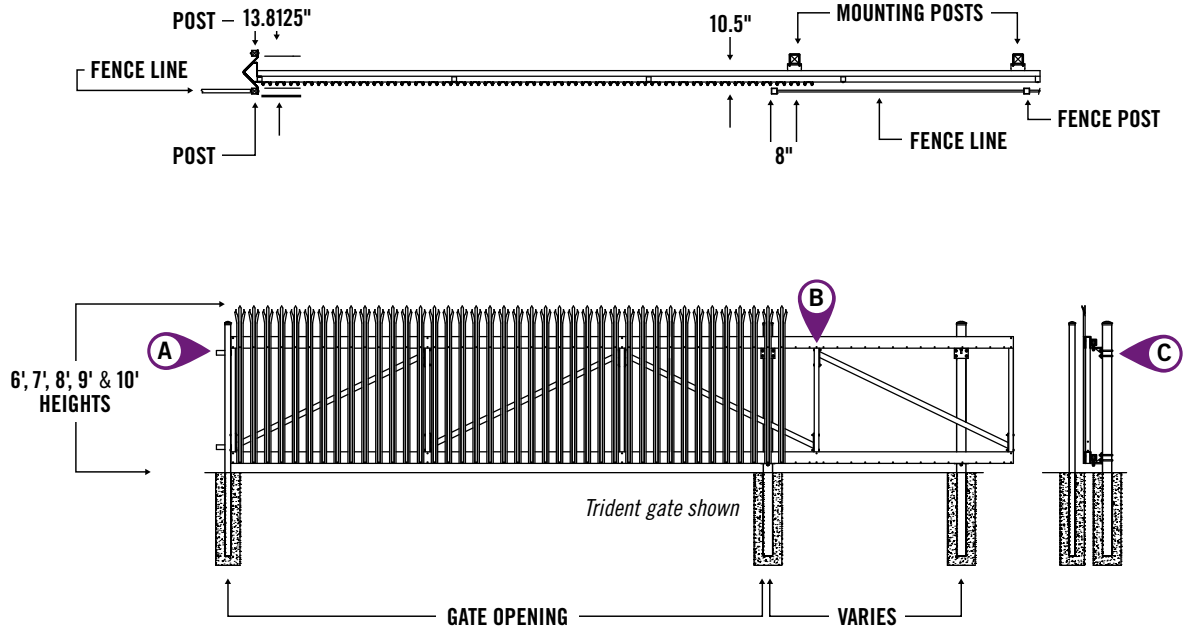


# TRANSPORT IS®

2"sq x .25" UPRIGHTS & DIAGONAL BRACES | 2.75"w PALE | GATE TRACKS PRE-DRILLED FOR LEFT OR RIGHT OPENINGS

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.**

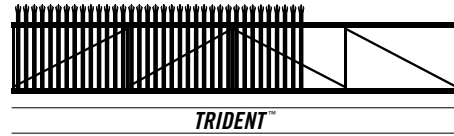
*Refer to construction specification & tables within this section for more details.*

Effective: 01/01/18

# TRANSPORT IS® | IMPASSE® SECURITY PALE CANTILEVER GATES

GATE HARDWARE & POST NOT INCLUDED | REVERSIBLE FOR RIGHT / LEFT OPENING | ASSEMBLY REQUIRED

	OPENING	LENGTH	ITEM NUMBER	WEIGHT	PALE QTY
6' HEIGHT	6'-8'	146"	3T ☒ ⊗ 07208S	270 lbs	15
	8'-10'	182"	3T ☒ ⊗ 07210S	323 lbs	21
	10'-12'	218"	3T ☒ ⊗ 07212S	404 lbs	26
	12'-14'	266"	3T ☒ ⊗ 07214S	460 lbs	31
	14'-16'	290"	3T ☒ ⊗ 07216S	508 lbs	34
	16'-18'	338"	3T ☒ ⊗ 07218S	569 lbs	40
	18'-20'	362"	3T ☒ ⊗ 07220S	665 lbs	43
	20'-22'	398"	3T ☒ ⊗ 07222S	716 lbs	47
	22'-24'	434"	3T ☒ ⊗ 07224S	757 lbs	51
7' HEIGHT	6'-8'	146"	3T ☒ ⊗ 08408S†	290 lbs	15
	8'-10'	182"	3T ☒ ⊗ 08410S†	346 lbs	21
	10'-12'	218"	3T ☒ ⊗ 08412S†	437 lbs	26
	12'-14'	266"	3T ☒ ⊗ 08414S†	496 lbs	31
	14'-16'	290"	3T ☒ ⊗ 08416S†	546 lbs	34
	16'-18'	338"	3T ☒ ⊗ 08418S†	611 lbs	40
	18'-20'	362"	3T ☒ ⊗ 08420S†	716 lbs	43
	20'-22'	398"	3T ☒ ⊗ 08422S†	770 lbs	47
	22'-24'	434"	3T ☒ ⊗ 08424S†	813 lbs	51
8' HEIGHT	6'-8'	146"	3T ☒ ⊗ 09608S†	311 lbs	15
	8'-10'	182"	3T ☒ ⊗ 09610S†	368 lbs	21
	10'-12'	218"	3T ☒ ⊗ 09612S†	471 lbs	26
	12'-14'	266"	3T ☒ ⊗ 09614S†	533 lbs	31
	14'-16'	290"	3T ☒ ⊗ 09616S†	585 lbs	34
	16'-18'	338"	3T ☒ ⊗ 09618S†	653 lbs	40
	18'-20'	362"	3T ☒ ⊗ 09620S†	768 lbs	43
	20'-22'	398"	3T ☒ ⊗ 09622S†	824 lbs	47
	22'-24'	434"	3T ☒ ⊗ 09624S†	870 lbs	51



**9' & 10' HEIGHTS ON NEXT PAGE**

Note: All TransPort gates over 24' opening include a horizontal stabilizer arm kit.

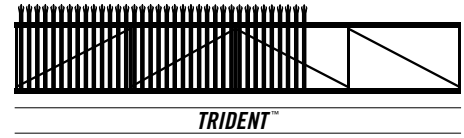
**INQUIRE FOR ALL GATES OVER 24' OPENING**

Effective: 01/01/18

# TRANSPORT IS® | IMPASSE® SECURITY PALE CANTILEVER GATES

GATE HARDWARE & POST NOT INCLUDED | REVERSIBLE FOR RIGHT / LEFT OPENING | ASSEMBLY REQUIRED

	OPENING	LENGTH	ITEM NUMBER	WEIGHT	PALE QTY
9' HEIGHT	6'-8'	146"	3T <input type="checkbox"/> <input type="checkbox"/> 10808S†	331 lbs	15
	8'-10'	182"	3T <input type="checkbox"/> <input type="checkbox"/> 10810S†	391 lbs	21
	10'-12'	218"	3T <input type="checkbox"/> <input type="checkbox"/> 10812S†	505 lbs	26
	12'-14'	266"	3T <input type="checkbox"/> <input type="checkbox"/> 10814S†	570 lbs	31
	14'-16'	290"	3T <input type="checkbox"/> <input type="checkbox"/> 10816S†	623 lbs	34
	16'-18'	338"	3T <input type="checkbox"/> <input type="checkbox"/> 10818S†	695 lbs	40
10' HEIGHT	18'-20'	362"	3T <input type="checkbox"/> <input type="checkbox"/> 10820S†	820 lbs	43
	6'-8'	146"	3T <input type="checkbox"/> <input type="checkbox"/> 12008S†	351 lbs	15
	8'-10'	182"	3T <input type="checkbox"/> <input type="checkbox"/> 12010S†	413 lbs	21
	10'-12'	218"	3T <input type="checkbox"/> <input type="checkbox"/> 12012S†	538 lbs	26
	12'-14'	266"	3T <input type="checkbox"/> <input type="checkbox"/> 12014S†	606 lbs	31
	14'-16'	290"	3T <input type="checkbox"/> <input type="checkbox"/> 12016S†	623 lbs	34
	16'-18'	338"	3T <input type="checkbox"/> <input type="checkbox"/> 12018S†	737 lbs	40
	18'-20'	362"	3T <input type="checkbox"/> <input type="checkbox"/> 12020S†	871 lbs	43



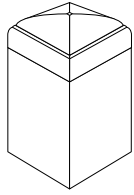
= FENCE STYLES AVAILABLE | **T** = Trident **S** = Stronghold **G** = Gauntlet†  
 = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze **W** = White **S** = Sand



Note: All TransPort gates over 24' opening include a horizontal stabilizer arm kit.

Effective: 01/01/18

## TRANSPORT IS® | GATE POSTS & POST CAPS

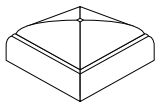


**STEEL POSTS**

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
4"sq. x 11ga.		
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
6"sq. x .1875 wall		

ⓧ = **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**  
Steel

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

Effective: 01/01/18

## TRANSPORT IS® | CANTILEVER GATE HARDWARE

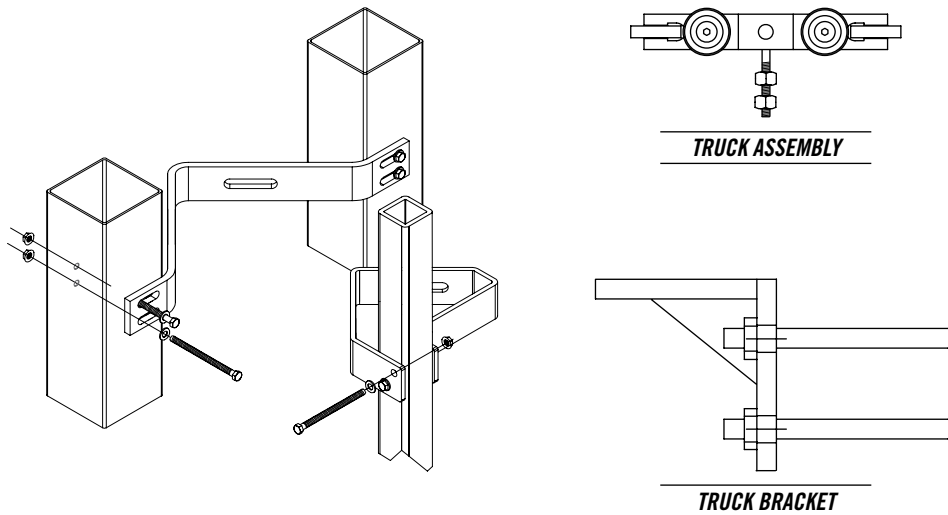
4" sq. x 11 ga. MINIMUM POST SIZE REQUIRED FOR CANTILEVER GATE INSTALLATION

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*

DESCRIPTION	ITEM NUMBER	BOX QTY	WEIGHT
4" sq. Post Bi-Parting Gate Kit	TGKODB	1	80

*Kits include: (8) Truck Assemblies / 6-wheel | (8) Truck Brackets / U-Bolts 4" sq. per kit size |  
 (1) Gate Latch | (4) Gate Stops*



Effective: 01/01/18

# TRANSPORT IS® | CONSTRUCTION SPECIFICATION 32 31 00

## HIGH SECURITY CANTILEVER GATE SYSTEM

### PART 1 - GENERAL

#### 1.01 WORK INCLUDED

The contractor shall provide all labor, materials and appurtenances necessary for installation of the high security 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 high security cantilever gate system of the Ameristar® TransPort IS® (*specify Trident™, Stronghold™ or Gauntlet™*) design. The system shall include all components (*i.e., tracks, uprights, bracing, pales, 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 high security aluminum cantilever gates shall conform to the Ameristar TransPort IS gate system, (*specify Trident, Stronghold or Gauntlet*) 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, (*specific 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*) 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 yield strength of 25,000 PSI, a tensile strength of 30,000 PSI and a standard mill finish.
- B.** Material for pales shall be 3/4" x 2-3/4" x 1/8" wall aluminum. Pales on center spacing shall not exceed 6". Pales shall be securely fastened to face of top and bottom enclosed track extrusions.
- C.** Material for gate uprights and diagonal bracing shall be 2" square x 1/4" wall aluminum. The cross-sectional shape of the top and bottom enclosed-track shall confirm to the manufacturer's 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/ft<sup>2</sup> (276 g/m<sup>2</sup>), 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

Effective: 01/01/18

# TRANSPORT IS® | CONSTRUCTION SPECIFICATION 32 31 00

## HIGH SECURITY CANTILEVER GATE SYSTEM

in a way so that the primary housing for the truck rollers shall pivot via ball-bearing connection 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. Pales shall be pre-cut to specified length and predrilled to accept pale to track fasteners. Posts shall be pre-cut 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. Pales 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> ).

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Effective: 01/01/18