

Fencing and Gate Proposal Specifications

1575 Universal Dr., Kansas City, MO 64120

GENERAL

1. Furnish and install 1,565 lineal feet of 6' tall, Ameristar Montage Plus commercial grade steel ornamental security fence. Set posts 10" x 36" in concrete.
2. Fence will be a 3-rail system, classic style, black in color.
3. East (car) entrance will be single slide cantilever gate for an approximate 30' opening.
4. West (bus) entrance will be a single slide cantilever gate for an approximate 28' opening.
5. Three pedestrian gates.
6. Two stop signs

PEDESTRIAN GATE

- (3) 4' x 6' tall single swing pedestrian gates, hung on 3" square posts with self-closing hinges.
- Install a double-sided entry exit mechanical key pad Simplex lock, with a weld box. Hardware lock to allow free egress from the property.
- Install a welded overhead between the posts for strength.
- Install small wire mesh at 6' on each side of lock at 6' high, to deter access from exterior of property

EAST SINGLE GATE

- Hang on 4" square steel posts
- Gate will have 1 gooseneck post at the driveway with a HID telephone entry system for communication (match FSI School fence). Connection of the HID entry system by others.
- Include radio receiver and remote opens.

WEST SINGLE GATE

- Hang on 4" square steel posts
- Open from the outside with a radio receiver and remote only.
- Include radio receiver and remote opens.

GATE OPERATIONS AND EQUIPMENT

- Each gate will have:
 - Safety vehicle detection loops on each side of gates
 - Exit vehicle detection loop at each gate
 - Electric photo eye at each gate
 - Wireless sensing edge at the front leading edge of each drive gate
- Operators to be stand mounted, chain driven, HySecurity Slide Smart Operators with the SOS system for emergency access.

MISCELLANEOUS

- Cut or trim trees or bushes as needed.
- Install all high voltage from selected source at building. Saw cut under the parking lot. Backfill with gravel, and pack. Asphalt patch parking lot and drives. Trench through green spaces, green space packed and seeded as needed.
- Install all conduit, and wiring from the source to each operator and to the (1) HID telephone entry system for communication (match FSI School fence). Others will furnish and install data control wiring.
- Frontier Schools will have property line stake surveyed.

Frontier Schools, Inc.
Fencing and Gate Proposal Specifications

- Frontier Schools is tax exempt.
- The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.
- Upon receipt at the job site, all materials shall be checked to ensure that no damage 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.
- All structural fence components (i.e. rails, pickets, and posts) shall be warranted within specified limitations, by the manufacturer for a period of 20 years from date of original purchase. Warranty shall cover any defects in material finish, including cracking, peeling, chipping, blistering or corroding.

FABRICATION

1. Pickets, rails and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.
2. Pickets shall be inserted into the pre-punched holes in the rails and shall be aligned to standard spacing using a specially calibrated alignment fixture. The aligned pickets and rails shall be joined at each picket-to-rail intersection by Ameristar's proprietary fusion welding process, thus completing the rigid panel assembly (Note: The process produces a virtually seamless, spatter-free good-neighbor appearance, equally attractive from either side of the panel).
3. The manufactured panels and posts shall be subjected to an inline electrode position coating (E-Coat) process consisting of a multi-stage pretreatment/wash, followed by a duplex application of an epoxy primer and an acrylic topcoat. The minimum cumulative coating thickness of epoxy and acrylic shall be 2 mils (0.058 mm). The color shall be Black.
4. The manufactured fence system shall be capable of meeting the vertical load, horizontal load, and infill performance requirements for Commercial weight fences under ASTM F2408.
5. Gates with an out to out leaf dimension less than and including 72 inches shall be fabricated using Montage Plus ornamental panel material and 1-3/4" sq. x 14ga. gate ends. Gate leafs greater than 72 inches shall be fabricated using ForeRunner rails, 17 gauge pickets, intermediate uprights, gussets and 1-3/4" sq. x 14ga. gate ends. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

INSTALLATION

Fence post shall be spaced 95", plus or minus ¼". For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36".

FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or 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.

Frontier Schools, Inc.
Fencing and Gate Proposal Specifications

GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. 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.

CLEANING

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

An informational meeting will be held at 6455 E Commerce Ave., Kansas City, MO 64120 on May 15th 2018 at 10:00 a.m. Sealed bids are to be returned by June 5th 2018 at 2 p.m. to Frontier Schools, Inc. and will be opened at 2.15 p.m. 30 West Pershing Road, Suite 402 Kansas City, MO 64108.

Attn: Huseyin Gencay, Budget Analyst
Frontier Schools Central Office
30 W. Pershing Road, Suite 402, Kansas City, MO 64108
Email: hgencay@frontierschools.org | www.frontierschools.org