

PART 1 GENERAL

1.1 Scope of Work

Work not limited to the supply and installation of an electrically non-conductive/low radar-reflectivity barrier as specified below.

1.2 Submittal

Product Data: Submit manufacturers' specifications, AMICO Security ANC® Non Conductive Fencing literature and samples as required prior to ordering. Prior to ordering, certified test results shall be submitted providing the documented ability of the fence system to prevent the transmission of electricity through the system for electric utility applications and the level of radar reflectivity for airport installation. Furthermore, horizontal load deflection test results shall be submitted.

1.3 Quality Assurance

Certified and approved dealer/installers shall provide experienced installation crew to install the ANC Fence System as specified.

1.4 References

All components and parts in this specification shall meet or exceed current standards and specifications as designated by the Institute of Electrical and Electronics Engineers (IEEE): IEEE STD 1264 Guide for Animal Deterrent for Electric Power Supply Stations.

1.5 Storage and Maintenance

Material shall be stored in such a manner to ensure proper ventilation, drainage, and to protect against damage from incidental equipment contact, vandalism, and theft. In the event of any freight damage, note damage on the freight bill and contact AMICO Security immediately.

PART 2 PRODUCTS

2.1 Manufacturer

The electrically non-conductive mesh panels shall conform with material specifications as manufactured by Amico Security, 3245 Fayette Avenue, Birmingham, AL 35208, Email: info@amicosecurity.com, Web: www.amicosecurity.com, Telephone: Toll Free: 855-552-6426

2.2 Materials

The materials and accoutrements for this fencing system are unique. All design, construction, and components shall be approved by the owner to meet the desired level of non-conductivity and electromagnetic wave transparency.

A. ANC SAFEGUARD™ 3100 Mesh

The ANC Mesh used shall conform to the following specification:

1. Width of panel – 12ft (3,658mm)
2. Height of panel – 3ft (914mm) and 4ft (1,219mm)
3. Mesh square opening– 0.50in (12.7mm) x 0.50in (12.7mm) nominal allowing 44% open area
4. Mesh square center to center – 0.75in (19.0mm) x 0.75in (19.0mm)
5. Mesh Thickness – 1.00in (25.4mm) nominal also available in 0.50in (12.7mm) and 1.50in (38.1mm)
6. Weight – 4.75 lbs/sf² (23.19 kg/m²)
7. ANIMAL SHIELD ANC Flat Sheet 1/8" (3.2mm) (thick), 24" (609.6mm) (tall)
8. Standard Color – Dark Grey



Scale shown 1:1

B. Fittings

AMICO Security Wedge Plugs shall be used to secure the ANC mesh panels to the selected framework. Fittings shall be made in accordance with the strength standards as manufactured by AMICO Security and sized to the specific framework.

2.3 Electrical Utility –New and Retrofit Construction

Depending upon the grounding conditions and requirements, new non-conductive fence panels may be installed utilizing either a non-conductive framework or metallic framework.

2.4 Finish

The true color finish does not require painting. The standard color is dark gray. Contact AMICO Security (Telephone 855-552-6426 or e-mail info@amicosecurity.com) to request information on custom colors. The finish will not rust or corrode.

PART 3 INSTALLATION

3.1 Installation

1. Installation and lay-out of the project shall be approved by the owner and general contractor prior to installation.
2. ANC Fencing must be installed used AMICO Security non-conductive panels, fittings, and installed by AMICO Security Certified and Approved Dealers/Installers.
3. Where possible post spacing shall be spaced to allow each panel to join on a post.
4. Follow the fittings usage tables for each type of application whether the application by ANC non-conductive non-metallic or using steel framework to assure safety and security.
5. Cutting, sealing, and additional safety information is available upon request from AMICO Security.