

SECURITY SCREENS

UNIVERSITY CONTACT:

Facilities Management
(302) 831-4918

GENERAL INFORMATION:

1. GUARANTEE

- a. Time: 10 Years

Included: Guarantee, in writing, against failure of both materials and workmanship.

2. MATERIALS

- a. General:

1. Approved Manufacturer: Kane Manufacturing Corp.
2. Each extruded aluminum Van Guard screen unit shall consist of a sub-frame, hinged main frame, wire cloth, special lock, lock bolt(s), concealed hinges, screws, anchors and all other fittings necessary to make a complete installation.
3. Scribe angles shall be furnished when required.
4. Masonry openings must not be broken or cracked when installing.

- b. Main Frames:

1. Open channel type, extruded aluminum alloy 6063-T6, with a wall thickness of 1/8" and a weight of 0.871 lb./ft.
2. An integral extension of the extrusion shall continuously over-lap the sub-frame.
3. Removable concealment plates of extruded aluminum alloy 6063-T6 with integral retaining flange shall be applied to the back of the main frame to conceal the locking mechanism and retain the wire cloth.
4. Concealment plates have a thickness of 0.062" and a weight of 0.288 lb./ft. shall interlock with the main frame around the outer edge, and by hardened steel screws along the inner edge.
5. Screws shall penetrate the concealment plate, wire screening and main frame.

6. The corners of the main frame shall be electric flash welded and ground smooth.
 7. Braces shall be furnished when required.
- c. Sub-Frames:
1. Extruded aluminum alloy 6063-T6.
 2. All four sides shall be reinforced channel shapes having wall thickness of 5/32" and 1/8", and a weight of 0.649 lb./ft.
 3. Each member shall have a continuous groove retaining a combination vinyl cushioning strip/ insect shield.
 4. All four corners of the sub-frame shall be uniformly welded and ground smooth.
- d. Aluminum Extrusions:
1. Comply with the alloys designated in these specifications.
 2. The extrusion wall thicknesses and weights per foot designated in these specifications are nominal, and the screen manufacturer shall submit, for approval, two (2) one foot lengths of each main frame and sub-frame extrusion.
- e. Wire Cloth (Screening):
1. High tensile strength stainless steel Type 18/8, alloy 304, woven 12 mesh to the inch from 0.028" diameter wire and double crimped.
 2. Tensile strength shall not be less than 800 pounds per lineal inch after weaving.
- f. Hardware:
1. Concealed type hinges of electro-plated steel with 1/4" diameter loose brass pins and integral compression guards; and a locking system consisting of case hardened steel bolts operating simultaneously from type 107 bitt key lock.
 2. All locking hardware shall remain completely concealed when the screen is in either the open or closed position.
 3. Operation from the exterior by key is required.
 4. Keying shall be same as that in existing living units.

- A. Six (6) bits and keys shall be turned over to the University's Construction Manager before job is completed.
- a. Finish of the Entire Surfaces of the Main Frame and Sub-Frame:
 - 1. Match the color and finish on existing windows, with a factory baked-on enamel.
 - b. Additional Materials:
 - 1. Any additional materials like, but not limited to, angles, coverplates, are to be finished in the same manner as the main frame of the security screen.

APPROVED MANUFACTURERS:

- 1. Kane Manufacturing Corporation
515 Fraley Street
P.O. Box 777
Kane, Pennsylvania 16735
Phone: (814) 837-6464
Fax: (814) 837-6230

DO'S AND DON'TS:

N/A

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