

SECTION 05 55 00 Metal Stairs/Nosings

Part 1 – General

1.1 Summary

A. Provide the following products for stairs: in compliance with International Building Code Section 1024, International Fire Code Section 1104, NFPA 101 Life Safety Code

- 1) Retrofit Nosings (STNR) 2" aluminum nosing with 1" photoluminescent strip for existing stairs
- 2) Pour-in-Place Nosings (STNP) 2" clip on nosing assembly with 1" photoluminescent strip for new pan-filled stairs
- 3) Cast-in-Place Nosings (STNC) 2" assembly with 1" photoluminescent strip for new concrete insertion
- 4) Standard Nosing (STNS) 1 ½" aluminum nosing with 1" photoluminescent strip for Steel Stair Manufactures
- 5) Railing Strips (STNH) 1" pre-curved photoluminescent strip for round railing
- 6) Perimeter Marking (STNF) 1" photoluminescent strip for egress markings

1.2 References

- A. International Building Code
- B. International Fire Code
- C. NFPA 101 – Life Safety Code
- D. ASTM E2072 and ASTM E2073
- E. ANSI A137.1 Flooring Slip Resistance

1.3 Submittals

- A. Product Data: Include product description, materials and recommendations
- B. Shop Drawings: Provide CAD or PDF drawings of nosing details
- C. Samples:
 - 1) Retrofit Nosing (STNR) 8 inches long with/ without construction cover
 - 2) Pour-in-Place Nosing (STNP) 8 inches long complete assembly
 - 3) Cast-in-Place Nosing (STNC) 8 inches long complete assembly

- 4) Standard Nosing (STNS) 8 inches long, includes construction cover
- 5) Railing Strip (STNH) 8 inches long, peel and stick adhesive included
- 6) Perimeter Marking (STNF) 8 inches long, peel and stick adhesive included

1.4 Delivery, Storage and Handling

A. Protect from damage. Store in cool, dry location until installed.

1.5 Warranties

A. All Safe-T-Nose products carry a one-year warranty to cover defects in materials and workmanship, limited to repair or replacement

Part 2 – Products

2.1 Basis of Design: Safe-T-Nose, LLC (www.safetnose.com)

2.2 Components

A. Stair Nosings – Photoluminescent

- 1) 1" wide photoluminescent material (Photo-Glo) adsorbing and storing energy from ambient light, not requiring external power supply
- 2) Aluminum Alloy 6063-T5 for durable nosing base material
- 3) STNP and STNC isolators made of Georgia Gulf 7181 for weatherability, impact strength, flame and chemical resistance
- 4) Patented Construction Covers – no protective taping or tape removal

B. Railing Strip – Photoluminescent

- 1) 1" wide x 10" long contoured dome for round railing
- 2) made of durable and easy to clean "golf ball" material
- 3) cuts easily with scissors – no end caps required
- 4) peel and stick – no additional adhesives required

C. Perimeter Marking – Photoluminescent

- 1) 1" wide x 100' long roll, beveled edge to lay flat
- 2) made of durable and easy to clean "golf ball" material
- 3) cuts easily with scissors – no waste

4) peel and stick – no additional adhesive required

Part 3 – Execution

3.1 Examination

- A. Before installation, examine surfaces for appropriate application
- B. Commencement of work will imply acceptance of surfaces

3.2 Preparation

- A. Clean surfaces to remove dirt, dust, grease, oil, loose material or other matter that may affect bonding of photoluminescent products.
- B. Test substrates for compatibility before using other adhesives or mechanical fasteners.

3.3 Installation

- A. Install products to be plumb, square and in alignment where required.
 - B. Follow supplied instructions for nosings.
- C. Keep construction covers on as long as practical to protect nosings during construction.

3.4 Waste Management

- A. Please reuse or recycle excess parts.

3.4 Protection

- A. Do not allow heavy objects to come in contact with installed products.

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