SECTION 10 14 43

LUMINOUS EGRESS PATH MARKINGS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

*Copyright 2019 - 2019 ARCAT, Inc. - All rights reserved*

\*\* NOTE TO SPECIFIER \*\* Access Products / Ecoglo; Luminous products, tactile warning indicators, and Institutional furniture.  
This section is based on the products of Access Products / Ecoglo, which is located at:  
241 Main St. Suite 100  
Buffalo, NY 14203  
Toll Free Tel: 800-682-2525  
Tel: 916-919-0568  
Fax: 877-679-4022  
Email: [request info (johnh@accessproducts.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Access+Products+/+Ecoglo&coid=45269&rep=&fax=877-679-4022&message=RE:%20Spec%20Question%20(10443eco):%20%20&mf=)  
Web: <https://www.Ecoglo.us>   
 [ [Click Here](https://www.arcat.com/arcatcos/cos45/arc45269.html) ] for additional information.  
Access Products serves the needs of municipalities and building and facility owners. We manufacture, distribute, and install durable building products that provide for the safe and efficient movement of people on sidewalks, stairways, and bridges. Our products improve the quality of transportation infrastructure for pedestrians and the disabled, and ensure the safe egress of large numbers of people from public facilities.  
For the transportation infrastructure market Access Products manufactures Access Tile, Tactile Systems, and the TripStop Dynamic Sidewalk Joint.  
Access Tile is a tactile detectable warning surface that is designed to provide safe passage for pedestrians and the disabled on sidewalk curb ramps, pedestrian walkways, transit platforms and pedestrian bridges. Access Tile is compliant with the United States Americans with Disabilities Act (ADA) and international legislation for the improvement of disabled accessibility on public rights of way and transit systems.  
TripStop is a dynamic sidewalk joint that eliminates trip hazards on concrete sidewalks due to sidewalk slab displacement from tree root invasion, soil movement or thermal expansion. TripStop enables governments to maintain safety compliance for sidewalks and pedestrian walkways to reduce the risk of trips and falls and the potential for personal injuries that might result.  
Access Products produces Ecoglo photo luminescent path finding systems for large-scale buildings including arenas, stadiums, performing arts centers, high-rise office buildings, condominiums, and large-scale industrial facilities.  
Ecoglo provides "glow-in-the-dark" supplementary emergency lighting and exit path markings for exit stairways, handrails and aisles in public buildings and industrial facilities that meet requirements of the International Building Code.  
Access Products strives to provide building products to global markets that not only enable a safer built environment but also meet the demand for environmental sensitivity.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for the project.

* + 1. Luminous egress markings of the following types:
       1. Step edges.
          1. Contrast strips.
          2. Flat stair nosings.
          3. Cast-in-place stair nosings.
          4. Carpet stair nosings.
          5. Tile nosings.
          6. Resilient flooring nosings.
       2. Handrail markings.
       3. Perimeter demarcation.
       4. Obstacle marking.
       5. Floor identification signs.
       6. Egress signage.
       7. Door hardware markings.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 10 14 00 - Signage.
    2. Section 05 55 00 - Metal Stair Treads and Nosings.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
       1. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
       2. ASTM B137 - Standard Test Method for Measurement of Coating Mass Per Unit Area on Anodically Coated Aluminum.
       3. ASTM C1026 - Standard Test Method for Measuring the Resistance of Ceramic Tile to Freeze-Thaw Cycling.
       4. ASTM D1242 - Standard Test Methods for Resistance of Plastic Materials to Abrasion.
       5. ASTM D3648 - Standard Practices for the Measurement of Radioactivity.
       6. ASTM D4828 - Standard Test Methods for Practical Washability of Organic Coatings.
       7. ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
       8. ASTM E162 - Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
       9. ASTM E2073 - Standard Test Method for Photopic Luminance of Photoluminescent (Phosphorescent) Markings.
       10. ASTM F510 - Standard Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed Method.
       11. ASTM G155 - Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials.
    2. Australian/New Zealand Standards (AS/NZS):
       1. AS/NZS 4586 - Slip Resistance Classification of New Pedestrian Surface Materials.
    3. Bombardier SMP 800-C: Toxic gas sampling and analytical procedures.
    4. California Building Code:
       1. Section 1024 - Exit Passageways.
    5. Connecticut State Fire Safety Code:
       1. Code Section 1026 - Floor Proximity Egress Path Markings.
    6. German Institute for Standardization (DIN):
       1. DIN 67510 - Phosphorescent Pigments and Products: Measurement and Marking at the Producer.
    7. Federal Aviation Administration (FAA):
       1. FAA AC 23.2 - Flammability Tests.
    8. International Organization for Standardization (ISO):
       1. ISO 17398 - Safety Colors and Safety Signs- Classification, Performance and Durability of Safety Signs.
    9. International Building Code (IBC)
       1. Section 1024 - Luminous Egress Path Markings
       2. Section 1025 - Horizontal Exits
    10. International Fire Code (IFC).
    11. Japanese Industrial Standards (JIS):
        1. JIS H8682 Anodizing of aluminum and its alloys -- Measurement of abrasion resistance of anodic oxidation coatings -- Part 1: Abrasive-wheel-wear abrasion resistance test.
    12. National Fire Protection Association (NFPA):
        1. NFPA 101 - Life Safety Code
        2. NFPA 170 - Standard for Safety and Emergency Symbols
    13. New York City Local Law (NYC LL):
        1. NYC LL 141 - Section BD 1024 - Luminous Egress Path Markings.
        2. NYC LL 26 - Reference Standards 6.1
    14. Underwriters Laboratories (UL):
        1. UL410 - Standard for Slip Resistance for Floor Surface Materials.
        2. UL1994 - Standard for Luminous Egress Path Marking Systems.
    15. Underwriters Laboratories; Canada.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data:
        1. Manufacturer's data sheets on each product to be used.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern and color.
    2. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Protect from damage due to weather, excessive temperature, and construction operations.
  3. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Access Products / Ecoglo, which is located at: 241 Main St. Suite 100; Buffalo, NY 14203; Toll Free Tel: 800-682-2525; Tel: 916-919-0568; Fax: 877-679-4022; Email: [request info (johnh@accessproducts.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Access+Products+/+Ecoglo&coid=45269&rep=&fax=877-679-4022&message=RE:%20Spec%20Question%20(10443eco):%20%20&mf=); Web: <https://www.Ecoglo.us>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. LUMINOUS EGRESS MARKINGS

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Step Edge Contrast Strips, Product Codes:
       1. E20 Series, 1.5 inch (38.1mm) aluminum base step edge strip with 0.6 inch (15mm) wide photoluminescent recessed within powder coated ridges and 0.9 inch (23 mm) wide color contrasting silicon carbide anti-slip. Install using premium polyurethane adhesive.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. E30 Series, 2 inch (50.8mm) aluminum base step edge strip with 0.6 inch (15mm) wide photoluminescent recessed within powder coated ridges and 1.4 inch (35.6mm) wide color contrasting silicon carbide anti-slip. Install using premium polyurethane adhesive.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. E40 Series, 2 inch (50.8mm) aluminum base step edge strip with 1 inch (25.4mm) photoluminescent recessed within powder coated ridges and 1 inch (25.4mm) color contrasting silicon carbide anti-slip. Install using premium polyurethane adhesive.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. E4073, 2 inch (50.8mm) aluminum base step edge strip with 1 inch (25.4mm) photoluminescent recessed within powder coated ridges and 1 inch (25.4mm) color contrasting silicon carbide anti-slip. Install using premium polyurethane adhesive.
         1. Color: Black.
      2. G5001, powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Flat Stair Nosings, Product Codes:
       1. F4-E20 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F5101, clear anodized aluminum extrusion with powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels.
      2. F5B-E20 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F6-E20 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F7-E30 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F7-E40 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F7-E4073, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. F8-E30 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F8-E40 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. F8-E4073, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. RF5-E30 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF5-E40 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF5-E4073, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. RF7-E30 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF7-E40 Series, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF7-E4073, clear anodized aluminum extrusion with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Cast-In-Place Stair Nosings, Product Codes:
       1. S1-E30 Series, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S1-E40 Series, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S1-E4073, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. S2-E30 Series, cast in place step edge nosing for installation into wet concrete. Clear anodized extruded aluminum cast in place profile. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S2-E40 Series, cast in place step edge nosing for installation into wet concrete. Clear anodized extruded aluminum cast in place profile. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S2-E4073, cast in place step edge nosing for installation into wet concrete. Clear anodized extruded aluminum cast in place profile. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. S3-G5001, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S3-G6001, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S4-E30 Series, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S4-E40 Series, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. S4-E4073, cast in place step edge nosing for installation into wet concrete. Extruded aluminum cast in place profile with clear acrylic lacquer coating. Replaceable powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Carpet Stair Nosings, Product Codes:
       1. C4-E20 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. C5-E20 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RC4-E30 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RC4-E40 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RC4-E4073, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.
      2. RC5-E30 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RC5-E40 Series, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RC5-E4073, clear anodized aluminum carpet stair nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.
         1. Color: Black.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Tile Nosings, Product Codes:
       1. M4.10-E30 Series, clear anodized aluminum tile nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. M4.10-E40 Series, clear anodized aluminum tile nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. M4.125-E30 Series, clear anodized aluminum tile nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. M4.125-E40 Series, clear anodized aluminum tile nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Resilient Flooring Nosings, Product Codes:
       1. RF7B-E30 Series, clear anodized aluminum resilient flooring nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF7B-E40 Series, clear anodized aluminum resilient flooring nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF7C-E30 Series, clear anodized aluminum resilient flooring nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.
      1. RF7C-E40 Series, clear anodized aluminum resilient flooring nosing with replaceable insert adhesively fixed into extrusion; powder coated extruded aluminum insert with strontium aluminate-based photoluminescent pigment recessed into protective channels and silicon carbide non-slip material.

\*\* NOTE TO SPECIFIER \*\* Delete colors not required.

* + - * 1. Color: Black.
        2. Color: Gray.
        3. Color: Yellow.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Handrail Markings, Product Codes:
       1. H5001-10, curved powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive. Install HEC51 endcaps on open ends to eliminate any abrasive edges.
       2. H5001-10TP, curved powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Includes a pressure sensitive foam adhesive tape. Install HEC51 endcaps on open ends to eliminate any abrasive edges.
       3. H3001-10, curved powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 0.6 inch (15mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive. Install HEC31 endcaps on open ends to eliminate any abrasive edges.
       4. G5001-10, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive. Install HEC51 endcaps on open ends to eliminate any abrasive edges.
       5. G5001-10TP, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Includes a pressure sensitive foam adhesive tape. Install GEC51 endcaps on open ends to eliminate any abrasive edges.
       6. G3001-10, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 0.6 inch (15mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive. Install GEC31 endcaps on open ends to eliminate any abrasive edges.
       7. G250R-H, Express series curved rigid vinyl photoluminescent handrail strip with pressure sensitive tape, 1 inch x 47 inches (25.4mm x 1194mm).
       8. G250F, 1 inch (25.4mm) Photoluminescent Polyester Tape, 1 inch x 60 feet (25.4mm x 18.2 m).

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Perimeter Demarcation, Product Codes:
       1. G5001-10, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive.
       2. G5001-10TP, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 1 inch (25.4mm) wide luminescent area, 0.06 inch (1.5mm) thick. Includes a pressure sensitive foam adhesive tape.
       3. G3001-10, flat powder coated extruded aluminum strip with photoluminescent pigment, recessed into protective channels, with 0.6 inch (15mm) wide luminescent area, 0.06 inch (1.5mm) thick. Install using premium polyurethane adhesive.
       4. G250R, express series flat rigid vinyl photoluminescent strip with 3M foam tape, 1 inch x 47 inches (25.4mm x 1194mm).

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Obstacle Marking, Product Codes:
       1. OB20025, 1 inch (25.4mm) photoluminescent flat aluminum base strips with 45 degree angled black stripes, 1 inch by 39 inches (25.4mm x 990mm).
       2. G250R-OB, flat 1 inch (25.4mm) photoluminescent rigid vinyl strips with 45 degree angled black stripes, 1 inch by 39 inches (25.4mm x 990mm).
       3. G250R-OB-C, curved 1 inch (25.4mm) photoluminescent rigid vinyl strips with 45 degree angled black stripes, 1 inch by 39 inches (25.4mm x 990mm).
       4. G300F-OB, 1 inch (25.4mm) photoluminescent polyester tape with 45 degree angled black stripes, 1 inch by 30 feet (25.4mm x 9.1 m).

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Floor Identification Signs, Product Codes:
       1. FID, 18 inches by 12 inches (457mm x 305mm) with tactile raised floor level numbers (ICC A117.1 compliant). Braille floor number. Signage shall state the story of, and the direction to, the exit discharge and the availability of roof access from the enclosure for the fire department.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Egress Signage Series:
       1. Aluminum Base Series: Various photoluminescent directional egress signs. Aluminum base with green printed symbols. Install with premium polyurethane adhesive. Refer to the Drawings for messaging.
       2. Express Series: Various photoluminescent directional egress signs. Rigid vinyl material base with 3M Foam tape. Refer to the Drawings for messaging.

\*\* NOTE TO SPECIFIER \*\* Delete types not required.

* + 1. Door Hardware Marking, Product Codes:
       1. DHM1010, door handle indicator, 3.9 inches by 3.9 inches (100mm x 100mm).
       2. DHM03YY-G250R, panic bar indicator, 1 inch (25.4mm) wide.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly constructed and prepared.
         1. Ensure any painted surfaces are fully cured.
      2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. Test substrates for fit with products before using adhesives or mechanical fastening.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.

\*\* NOTE TO SPECIFIER \*\* Delete position and location options not required. Or delete all options.

* + - 1. Position and Location: Per National Fire Protection Association (NFPA) 101 - Life Safety Code.
      2. Position and Location: Per International Building Code / International Fire Code (IBC/IFC).
      3. Position and Location: Per New York City RS6-1 and RS6-1A Photoluminescent Exit Path Markings.
  1. FIELD QUALITY CONTROL
     1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
  1. CLEANING AND PROTECTION
     1. Trim any excess adhesive with a sharp blade.
     2. Clean products in accordance with the manufacturer's recommendations.
     3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION