

## SECTION 05501 - IN-PLANT GUARDING SYSTEMS

### PART 1 GENERAL

#### 1.1 SUMMARY

- A. This section includes the following:
  - 1. Bumper post sleeve
    - a) Original
    - b) Standard

#### 1.2 SUBMITTALS

- A. Product Data for products used in Guardrail, bumper post, or handrail fabrication or installation including anchor bolts, concrete and grout.
- B. Shop drawings showing fabrication and illustrating erection of bumper post, handrail or guardrail. Include plans, elevations, sections and details showing component connections and anchorage. Provide templates for anchors installed under other sections.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURER

- A. IDEAL SHIELD  
2525 Clark Street  
Detroit, Michigan 48209-1355  
Phone: (877) 325-0769

## 2.2 MATERIALS

- A. Plastic Cover Standard: Polyethylene Thermoplastic (LDPE) tubes having ultra-violet resistance and anti static properties, nominal thickness 0.250 inches. Color shall be OSHA yellow unless otherwise noted. Size covers for pipe diameters.
- B. Plastic Cover Economy: Polyethylene Thermoplastic (HDPE) tubes having ultra-violet resistance and anti static properties, nominal thickness 0.125 inches. Color shall be OSHA yellow unless otherwise noted. Size covers for pipe diameters.

## 2.3 BUMPER POST SLEEVES - Original

- A. Provide original bumper post sleeves complying with the following requirements:
  - 1. Dome top low-density polyethylene thermoplastic nominal thickness 0.250 inch.
  - 2. Sleeve to shield pipe diameter: {3, 3 ½, 4, 5, 6, 7, 8, 10 inch}
  - 3. Sleeve height: {52, 60 inches} {custom}
  - 4. Sleeve Color: {OSHA yellow, red} {as selected by Architect/Engineer from standard pantone colors}
  - 5. Symbol or logo: Provide {safety, warning, symbol, or company logo} molded directly into sleeve.
  - 6. Surface of sleeve to be smooth with round top, no ribbed or two piece systems accepted.
  - 7. Secure with manufacturer's neoprene adhesive tape; no screws, glue or clamping will be acceptable.
- B. Provide standard bumper post sleeves complying with the following requirements:
  - 1. Dome top low-density polyethylene thermoplastic nominal thickness 0.125 inch.
  - 2. Sleeve to shield pipe diameter: {4, 6 inch}
  - 3. Sleeve height: {52 inches}
  - 4. Sleeve Color: {OSHA yellow} {custom as selected by Architect/Engineer from standard pantone colors}
  - 5. Surface of sleeve to be smooth with round top, no ribbed or two piece systems accepted.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Bumper post sleeve: Install with manufacturers neoprene adhesive tape per manufacturers installation guidelines.

END OF SECTION