

SECTION 05520 - FALL PROTECTION

PART 1 – GENERAL

1.01 SUMMARY

- A. Section Includes: Single Stanchion for use with warning lines for Fall Prevention.
- B. Related Sections:
 - a. Section 07400 – Membrane Roofing
 - b. Section 07510 – Built-Up Roofing
 - c. Section 07700 – Roof Specialties and Accessories

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM)
- B. American National Standard Institute (ANSI)
 - a. ANSI A21.1 – Safety Requirements for Floor and Wall Openings, Railings and Toe Boards.
- C. Occupational Health And Safety Administration (OSHA)
 - a. OSHA 1910.21 – Guarding Floor and Wall Openings and Holes
 - b. OSHA 1926.502 – Fall Prevention Systems Criteria and Practices

1.03 SYSTEM DESCRIPTION

- A. General: Provide Single Stanchion specifically designed for use with reusable warning line for fall prevention as specified in the references of Section 1.02. Transporter is also provided to carry 9 Single Stanchions (optional).
- B. Design Requirements: After being erected, the Single Stanchion shall be capable of resisting, without tipping over, a force of at least 16 pounds applied horizontally against the stanchion, 30 inches above the walking/working surface, perpendicular to the warning line, and in the direction of the floor, roof or platform edge.

1.04 SUBMITTALS

- A. Product Data: For each type of device specified, including manufacturer's standard fabrication details and installation instructions.
- B. Maintenance Data: Written instructions for maintenance of fall prevention safety devices to be included in the operation and maintenance manual.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm having at least 10 years continuous experience in manufacturing fall safety equipment similar to systems specified and exhibiting records of successful in-service acceptability and performance. Firm must employ personnel dedicated to provide regularly scheduled Authorized and Competent Person Training courses as mandated by OSHA 1926 and 1910 for owner's authorized safety personnel.
- B. OSHA Standards: Comply with Occupational Safety and Health Administration Standards for the Construction Industry 29 CFR § 1926.500 Subpart M (Fall Protection), and with applicable State Administrative Code safety standards.

1.06 COORDINATION

- A. Contractor to coordinate placement & installation of roofing system, insulation and flashing where required per manufacturer's specifications.

1.07 WARRANTY

- A. Provide manufacturer's standard warranty to guarantee products will be free from defects for a period of 12 months from date of shipment.

PART 2 – PRODUCTS

2.01 MANUFACTURER

- A. Provide fall protection system manufactured by Guardian Fall Protection Inc., 6305 South 231st Street Kent, WA, phone 800-466-6385, fax 800-670-7892, or equal.

2.02 MATERIALS

- A. 39" steel stanchion, powder coated safety yellow (Pantone 116C)
- B. Zinc plated steel transporter

2.03 MANUFACTURED ASSEMBLIES

- A. Guardian Single Stanchion System
- B. Fit and shop assemble components in largest practical sizes for delivery to site.
- C. Upright tops shall be plugged with weather and light resistant material.
- D. Assemble components with joints tightly fitted and secured.
- E. Fabricate work true to dimension, square, plumb, level, and free from distortions or defects detrimental to appearance and performance.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine framing and substrate and verify conditions comply with structural requirements for proper system performance.
- B. Proceed with installation of system only after verifying conditions are satisfactory.

3.02 INSTALLATION

- A. General: Installation of system to be performed by contractor according to manufacturer's instructions and recommendations.

3.03 ADJUSTMENT AND INSPECTION

- A. Ensure all systems have been installed in accordance with fall protection manufacturer's documentation and specifications.