

## LADDER SAFETY POST SPECIFICATION

### I. PART ONE - GENERAL

#### 1.01 SUMMARY

- A. Work included: Furnishing and installing factory fabricated ladder safety posts
- B. Related Work: [Insert applicable specifications sections]

#### 1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM), 100 Bar Harbor Drive, West Conshocken, PA 19428-2959; (610) 832-9585, fax (610) 832-9555
  - 1. ASTM A 36-93a: Standard Specification for Structural Steel

#### 1.03 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification.
- B. Shop Drawings: Show profiles, accessories, location, and dimensions.
- C. Samples: Manufacturer to provide upon request; sized to represent material adequately.
- D. Contract Closeout: Ladder Safety Post manufacturer shall provide the manufacturer's Warranty prior to the contract closeout [if applicable].

#### 1.04 PRODUCT HANDLING

- A. All materials shall be delivered in manufacturer's original packaging.
- B. Store materials in a dry, protected, well-vented area. The contractor shall thoroughly inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.
- C. Remove protective wrapping immediately after installation [if applicable].

#### 1.05 SUBSTITUTIONS

- A. Proposals for substitution products shall be accepted only from bidding contractors and not less than (10) working days before bid due date. Contractor guarantees that proposed substitution shall meet the performance and quality standards of this specification.

#### 1.06 JOB CONDITIONS

- A. Verify that other trades with related work are complete before installing ladder safety post(s).
- B. Mounting surfaces shall be straight and secure; substrates shall be of proper width.
- C. Refer to the construction documents, shop drawings, and manufacturer's installation instructions.
- D. Observe all appropriate OSHA safety guidelines for this work.

#### 1.07 WARRANTY/GUARANTEE

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge.

### II. PART TWO - PRODUCTS

#### 2.01 MANUFACTURER

- A. The BILCO Company, P.O. Box 1203, New Haven, CT 06505; 1-203-934-6363, Fax: 1-203-933-8478  
Internet address: <http://www.bilco.com>  
For local representative, contact: Sweet's Buyline 1-800-892-1165 (#0032, #0034)

2.02 LADDER SAFETY POST

- A. Furnish and install where indicated on plans ladder safety post [Model \[insert LU-1, LU-2, LU-3, or LU-4\]](#). The ladder safety post shall be pre-assembled from the manufacturer.
- B. Performance characteristics:
  - 1. Tubular post shall lock automatically when fully extended.
  - 2. Safety post shall have controlled upward and downward movement.
  - 3. Release lever shall disengage the post to allow it to be returned to its lowered position.
  - 4. Post shall have adjustable mounting brackets to fit ladder rung spacing up to 14" on center and clamp brackets to accommodate ladder rungs up to 1-3/4" in diameter.
- C. Post: Shall be manufactured of high strength square tubing. A pull up loop shall be provided at the upper end of the post to facilitate raising the post.
- D. Material of construction: Shall be [\[insert: steel \(Model LU-1, LU-2\); or Type 304 stainless steel \(Model LU-3\); or aluminum \(Model LU-4\)\]](#).
- E. Balancing spring: A stainless steel spring balancing mechanism shall be provided to provide smooth, easy, controlled operation when raising and lowering the safety post. [For installation in corrosive atmospheres, Models LU-2, LU-3, and LU-4 incorporate a special alloy spring mechanism].
- F. Hardware: All mounting hardware shall be Type 316 stainless steel.
- G. Finishes: Factory finish shall be [\[insert: black powder coat steel \(Model LU-1\); or hot dip galvanized steel \(Model LU-2\); or mill finish stainless steel \(Model LU-3\); or mill finish aluminum \(LU-4\)\]](#).

**III. PART THREE - EXECUTION**

3.01 INSPECTION

- A. Verify that ladder safety post installation will not disrupt other trades. Verify that the ladder rungs are dry, clean, and free of foreign matter. Report and correct defects prior to any installation.

3.02 INSTALLATION

- A. Submit product design drawings for review and approval to the architect or specifier before fabrication.
- B. The installer shall check as-built conditions and verify the manufacturer's ladder safety post details for accuracy to fit the application prior to fabrication. The installer shall comply with the ladder safety post manufacturer's installation instructions.
- C. The manufacturer shall furnish fasteners necessary for installing ladder safety post on ladder.

END OF SECTION 05515, 07720, 08305