SECTION 07 72 76

FALL RESTRAINT SYSTEMS

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

\*\* NOTE TO SPECIFIER \*\* Garlock Safety Systems; Personal fall arrest, guardrail and fall protection safety barrier products.  
.  
This section is based on the products of Garlock Safety Systems, which is located at:  
2601 Niagara Ln.  
Plymouth, MN 55447  
Toll Free Tel: 877-791-4446  
Tel: 763-694-2614  
Fax: 763-553-1093  
Email:[request info (sales@garlockequip.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Garlock+Safety+Systems&coid=43032&rep=&fax=763-553-1093&message=RE:%20Spec%20Question%20(05521gar):%20%20&mf=)  
Web:[garlocksafety.com](http://garlocksafety.com)  
[[Click Here](http://www.arcat.com/arcatcos/cos43/arc43032.html)] for additional information.  
Since 1959, Garlock Equipment Company has been recognized as the leading manufacturer of quality roofing equipment for the commercial flat-industrial roofing market in addition to a line of Fall Protection products used by industrial clients. Located in Plymouth, Minnesota, Garlock's 77,000 sq. ft. manufacturing facility features a highly skilled workforce utilizing many of the latest technology based machining centers used in the manufacture of our products. Garlock has also been recognized as the leading innovator of industrial tools that contractors use every day to build their business and protect their client's building assets.  
In 1980, Garlock Equipment Company developed the Railguard 200 portable railing system. Originally developed to protect roofers working on commercial projects, the Railguard 200 product line quickly developed into a multi-faceted, cross-functional product that is used throughout industrial plants and commercial facilities around the world. The Railguard 200 system is a completely freestanding guardrail system that meets or exceeds all OSHA requirements for fall protection railings. There are no holes to drill, no tools or fasteners required. The system sets up virtually in minutes with the strength and security that comply with OSHA requirements. Multiple railing lengths are available along with swinging gates, transport carts, custom paint colors and finishes,

1. GENERAL
   1. SUMMARY: Section includesOSHA compliantfall restraint/arrest systems consisting of anchorage, connectors, body belt or harness and lifeline.

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

* + 1. Personal fall arrest systems:
       1. LifePoint single point tie-off system
       2. LifePoint Duo fall arrest and fall restraint system
       3. Cobra Life-Link Multi-Man fall arrest and fall restraint system
  1. RELATED SECTIONS
     1. Section 07 72 73 - Roof Edge Protection Systems
  2. REFERENCES

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

* + 1. 29 CFR 1926 - Safety and Health Regulations for Construction, Subpart M-Fall Protection.
    2. 29 CFR 1910.29 - Occupational Health and Safety Standards for General Industry, Subpart D Fall protection Systems and Falling Object Protection.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Certification: Provide manufacturer's certifications that the ultimate strength of the fall protection system is equal to or greater than those specified.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: minimum of 15 years experience manufacturing portable railing systems.
     2. Installer Qualifications: Minimum 2 person crew capable of positioning and installing portable roof fall protection system according to manufacturers instructions.
  3. DELIVERY, STORAGE, AND HANDLING
     1. Store and maintain products in accordance with the manufacturer's printed recommendations.

1. PRODUCTS
   1. MANUFACTURERS
      1. Provide products as manufactured by Garlock Safety Systems, Plymouth, MN, [www.garlocksafety.com](http://www.garlocksafety.com), Email: sales@garlockequip.com
      2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
   2. EQUIPMENT

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

* + 1. LifePoint System: non-penetrating single tie-off anchor device for flat roof surfaces.
       1. Meets OSHA 1926.502(d) (16) (iv) Fall Arrest.
          1. Fall Arrest Rated: 1 person
          2. Fall Restraint Rated: 1 person
       2. Approved Surface Use: Poured concrete, EPDM (adhered and loose laid), TPO (adhered and loose laid, BUR (swept), maximum 5 degree incline.
       3. Ballast Weight: galvanized weight pan, powder-coated base with rubberized bottom, contains fourteen 35 lb. weights, for total assembled weight of 960 lbs.
       4. Optional Transport Cart: Powder-coated framing permits repositioning by one person without disassembly.
    2. LifePoint Duo Mobile System: non-penetrating, mobile tie-off anchor device with two anchorage capability.
       1. Meets OSHA 1926.502(d) (16) (iv) Fall Arrest.
          1. Tie-off points for 1 Fall-arrest and 1 Fall-Restraint, or 2-person Fall Restraint
          2. Mobile and repositionable
          3. Ratcheted handle enables the weighted body of the unit to lifted safely
       2. Description:
          1. Steel powder coated frame
          2. Zinc Plated weight pan with durable rubber bottom.
          3. Empty Weight: 200 lbs.
          4. Loaded Weight: 930 lbs.
          5. Tires: Flat free solid.
          6. Weights:

\*\* NOTE TO SPECIFIER \*\* Select the weight type required from the following paragraphs and delete the one not required.

Open Concrete type.

Solid Steel type.

* + 1. Cobra Multi-Man personal fall arrest system: non-penetrating cart provides anchor points for 2 people for fall restraint and up to 3 for fall arrest, up to a 45 degree work zone in either direction of the anchor point.
       1. Features:
          1. Meets OSHA 1926.502(d) (15) Fall Arrest.
          2. Non-Penetrating.
          3. Mobile, easy to reposition
          4. Integrated handle and brake.
          5. Heavy duty cart with flat free tires moves easily across uneven surfaces to follow the work flow.
          6. Large, locking job box provide storage and protection (optional).
          7. Cobra-claw penetrates the surface instantly to arrest a fall and stop cart movement.
          8. Large open deck provides space for generators, compressors, or additional job box.
       2. Description:
          1. Galvanized steel powder coated frame
          2. Rescue winch system.
          3. Weight: 1100 lbs.
          4. Length (with handle): 102 inches
          5. Width: 59 inches
          6. Height: 48 inches
          7. Weight: 1100 lbs.
          8. Fall Arrest Rating: 3 people
          9. Fall Restraint Rating: 2 people
          10. Tires: 18x8.50 Flat-free
          11. Deck Space 25 inches by 40 inches.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Before installation, inspect all parts to insure no damaged parts are used.
      3. Install diagonal braces on corner stanchions and at terminations of cable runs.
   4. PROTECTION
      1. Protect installed products until completion of project.

END OF SECTION