

Part 1 General

1.1 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM)
- .2 Canadian Standards Association (CSA International)
- .3 Canada Labour Code
- .4 Manitoba Workplace Safety and Health
- .5 Occupational Safety and Health Administration (OSHA).
 - .1 29CFR 1926 Safety and Health Standards.

1.2 PRECEDENCE

- .1 CSA Standards for Fall Protection and Province of Manitoba Fall Protection Regulations shall have precedence over this specification section. In case of conflict or discrepancy, the more stringent requirements apply.

1.3 FALL PROTECTION DESIGN REQUIRMENTS

- .1 Shock Absorbing Roof Anchor to be attached to the building roofs. Connection detail to be finalized by a Professional Engineer, and to be within the scope of the fall protection provider.
- .2 Fall Protection System capacity shall be for 2 workers.
- .3 The system shall also allow the users to walk uninterrupted the entire length of the system without the need to disengage at the intermediate connection points.

1.4 ACTION AND INFORMATIONAL SUBMITALS

- .1 Submit submittals in accordance with Section 01 33 00.
- .2 Shop Drawings: Stamped by a qualified professional engineer from province of Manitoba. Include plans, member profiles, sizes, elevations, and details for anchorages and connections. Layout drawings of each system indicating the locations of all components in the system properly labelled for identification.
- .3 Submit manuals in accordance with Section 01 33 00.
- .4 Manuals: Shall contain visual information indicating proper procedures in the usage of the system, inspection and maintenance requirements.

1.5 CERTIFICATION

- .1 The complete fall protection system shall be designed, tested and certified by a professional Engineer, registered in the Province of Manitoba in accordance with all applicable CSA, ASTM and ANSI Standards.

- .2 Submit certification, to demonstrate compliance of the system and materials to specification.

Part 2 Products

2.1 MANUFACTURER

- .1 Tritech Shock Absorbing Roof Anchor system by Tritech Fall Protection Systems.

2.2 MATERIALS

- .1 All materials shall be new, and the completed fall protection system shall be essentially the product of one manufacturer regularly engaged in the production of such equipment.
- .2 Fall Protection System: All system connectors, cables and bolts shall be manufactured from stainless: ASTM A666, Type 316. All connectors shall meet and exceed applicable CSA standards.
- .3 Fasteners: The fall protection system shall be attached to the roof cladding with appropriate fasteners. The fasteners shall be designed to support a load on the fall protection system of 2 times the maximum design load without failure.

2.3 FABRICATION

- .1 System components shall be of the same material unless otherwise indicated.
- .2 Exposed work shall be true to line and level with accurate angles, surfaces and with straight square edges.
- .3 Coordinate anchorage system with supporting structure. Fabricate and locate anchoring devices as recommended by manufacturer to provide adequate support for intended use.

Part 3 Execution

3.1 INSTALLATION

- .1 Install in accordance with approved shop drawings and manufacturer's instructions.
- .2 Fall protection System shall be installed by the Supplier's authorized and trained personnel.
- .3 Install anchorages and fasteners in accordance with manufacturer's recommendations to obtain the allowable working loads
- .4 Do not load or stress fall protection system until all materials and fasteners are properly installed and ready for service.

3.2 DEMONSTRATION AND TRAINING

- .1 Provide a minimum of 2 hours of operator training after system has been installed. Training is to be before the users of the system conducted at the installation site. Provide training CD at the end of the project.

3.3 FIELD QUALITY CONTROL

- .1 After the safety system is installed and properly tensioned, the safety system manufacturer's approved authorized representative shall inspect and operate the system and shall make all final adjustments for proper operation.

3.4 CLEANING

- .1 Remove all loose materials, crating and packing materials from site.

END OF SECTION