

N25 PERMANENT ACCESS AND SAFETY EQUIPMENT

To be read with Preliminaries/General conditions.

TYPE(S) OF SYSTEM/EQUIPMENT

N25/210 GUIDED TYPE FALL ARREST SYSTEM

- **System Location:**
- **System Manufacturer:** Latchways plc, Hopton Park, Devizes, Wiltshire, SN10 2JP
- **System Designer: Barton Industrial Services Ltd**, Unit C1 Site 38 Heron Road, Belfast, BT3 9LE. Tel: 028 90 451555 Fax: 028 90 451115 & Unit 2 St. Anthony's Business Park, Ballymount Road, Dublin 22. Tel: 01 661 7590 Fax: 01 464 1640.
- **System Installer: Barton Industrial Services Ltd**, Unit C1 Site 38 Heron Road, Belfast, BT3 9LE. Tel: 028 90 451555 Fax: 028 90 451115 & Unit 2 St. Anthony's Business Park, Ballymount Road, Dublin 22. Tel: 01 661 7590 Fax: 01 464 1640.
- **System Reference: 210 Guided Type Fall Protection System;** Latchways ManSafe for metal composite roofing.
- **System Type: Latchways Constant Force™ Class B1 Fall Restraint System / B2 Fall Arrest System**, as per Latchways Performance Specification Categories.
- **Latchways Constant Force Post tested to BS EN 795:2012 and CEN TS 16415:2013.**
- **System to hold Declarations of Conformity to evidence testing and compliance with BS EN 795:2012 and CEN TS 16415:2013.**
 - Anchorage device: Latchways Constant Force™ for mechanical attachment to the top skin of the profile using 16 Latchways stitching screws per post in accordance with our data sheet 65602_98_5.
 - Overall system length: metres. **System to provide access for roof light cleaning, roof inspection and gutter cleaning.**
 - Intermediate support spacing:, Between 6 and 10m - as designed by Barton Industrial Services Ltd to meet the requirements of the Latchways ManSafe design software.
 - System Layout to be as shown on Drg. No.
 - System access to be from
 - System to be used by a maximum of 3 persons simultaneously.
 - System to be installed in accordance with EN795:2012, CEN TS 16415:2013 Type C and BS 7883 by Barton Industrial Services Ltd and verified by the system manufacturer.
 - On completion of the installation, system to be inspected and tested and a test certificate covering a period of 12 months issued. Notice showing date and period of validity of the test certificate to be attached to the system at each access point.
 - 2 complete sets of Personal Protective Equipment PPE to be supplied with the system. Set to comprise:
 - 1 no. Removable Transfastener – Part number 85085
 - 1 no. Full Body Harness

2 no. Energy absorbing lanyards – 2.0m long
All to be supplied in a suitable PPE storage holdall

- Structural anchors: Type recommended by the system manufacturer to suit the structure/fabric into which they will be fixed.

GENERAL REQUIREMENTS

N25/320 INFORMATION TO BE PROVIDED AFTER ACCEPTANCE OF TENDER:

Submit to the CA within 2 weeks of appointment the following particulars:

- Detailed drawings to fully describe fabrication and installation.
- A detailed fabrication, installation and testing programme compliant with the main contract master programme.
- Proposed fixing anchor details relevant to the structural design and construction of the building.

DESIGN/PERFORMANCE REQUIREMENTS

N25/430 SAFETY:

The equipment as installed must have no irregularities/ projections capable of inflicting personal injury. Finished surfaces and edges of all accessible parts must be regular and smooth.

N25/460 ASSESSMENT/TESTING OF FIXING POINTS FOR ANCHOR DEVICES:

For fixing onto the top sheet of the roofing panel in conjunction with the Latchways Constant Force post has been tested by Latchways plc and approved by the National Engineering Laboratory to BS EN 795. Latchways Constant Force post complies with BS EN 795: 2012 and CEN TS 16415; 2013.

N25/510 FABRICATION AND ASSEMBLY GENERALLY:

All fabrication is carried out in the workshop. Limited assembly and drilling of the deck is required on site. Obtain approval for any reassembly on site. Dissimilar metal surfaces will be isolated to prevent electrolytic corrosion.

N25/520 PROTECTION AND HANDLING:

Protect all assembled items against damage, corrosion and disfigurement during handling, installation and subsequent site operations.

Do not deliver to site any components or assemblies that cannot be installed immediately or unloaded into a suitable well protected storage area.

N25/530 SUITABILITY OF STRUCTURE/FABRIC:

Before commencing installation carry out a visual and geometrical survey of the supporting building structure and fabric. Report immediately to the CA if structure/fabric will not allow the required accuracy or security of erection/ fixing.

N25/550 FIXINGS, INSERTS AND BOLTS

All mechanical fixings for the ManSafe for Composite Roofing system are supplied by Latchways plc.

N/25/560 FIXINGS FOR SECURING EQUIPMENT

Must be capable of adequate three dimensional adjustment to accommodate building structure/fabric irregularities.

N25/570 FIXING ANCHOR INSTALLATION:

Site drill or cut into structure/fabric only in approved locations as per Latchways guidelines.

Distance between all fixing devices and edges of supporting material to be not less than recommended by Latchways plc.

N25/610 IDENTIFICATION AND REGISTRATION LABEL(S) FOR GUIDED FALL PROTECTION SYSTEM:

- Provide and fix to each system a permanent label giving:
- Barton Industrial Services Ltd name, address and telephone number.
- Name and/or reference code of site and system
- Serial number and year of manufacture
- Maximum number of users to be attached at any time
- Date of installation / last inspection
- PPE requirements
- Whether the system is an arrest or restraint system
- Label(s) to be located in positions such that they can be easily read.

N25/640 MARKING OF ANCHOR DEVICES:

- Provide on or near each anchor device a label or other clear marking giving:
- Latchways name and telephone number
- Serial number and year of manufacture of device.

- Maximum number of personnel that may be attached to the device at any one time.
- Requirements for energy absorbers, ground clearance, etc.
- Where an anchor device is intended solely for use with personal protective equipment, this restriction must be indicated by pictogram or other suitable marking on or near the device.

N25/820 OPERATING INSTRUCTIONS:

One complete set of Barton Industrial Services Ltd site specific ManSafe User instructions to be supplied with the system.

N25/830 OPERATING AND MAINTENANCE MANUAL:

Before practical completion provide for inclusion in the Building Manual printed instructions and recommended procedures to be established by the Employer for operating and routinely maintaining the equipment. Provide diagrams where appropriate.

The information must include:

- Instructions for assembling/erecting equipment for use
- Comprehensive operating instructions, including safety and emergency Procedures.
- Servicing and planned maintenance procedures, including assembly instructions where maintenance necessitates dismantling of machinery parts
- List of replacement parts, with references
- Recommended procedures for testing equipment.