

## 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

Location: **Insert here**

Manufacturer and reference: Latchways plc, an MSA Company, Hopton Park, Devizes, Wiltshire, SN10 2JP

- Ref: 210 Guided Type Fall Arrest System; Latchways Horizontal Lifeline® for Polymeric Single Ply Membrane Roofing to Timber Ply Deck
- Original system design and all subsequent modifications to be compliant with the Construction (Design and Management) (CDM) Regulation 2015
  
- Latchways Constant Force® Restraint System.
  
- Latchways Constant Force Post tested to BS EN 795: 2012 and CEN TS 16415: 2013.
  
- Anchorage device: Latchways Constant Force post for Single Ply Roofing with mechanical attachment through the insulation to the plywood deck (Plywood must be to the minimum specification and installed to Latchways data sheet 65616-99-5) using Latchways toggle bolts. Weathering to be strictly in accordance with Manufacturers recommendations
- Overall system length: **(Input 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 the Latchways approved installer to meet the requirements of the Latchways design software.
- Accessories/Other requirements:  
**1 x Latchways Sub Frame 65699-00 per Latchways Constant Forc post.**  
System access to be from **(Input method)**
- System to be installed in accordance with BS 7883 by the system manufacturer or a installer approved by the system manufacturer and verified by the system manufacturer.
- On completion of the installation, system to be inspected and fully tested and a test certificate covering a period of 12 months to be issued. Notice showing date and period of validity of the test certificate to be attached to the system at each access point
- **X** 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. Latchways Personal Rescue Device® (Size t.b.c)**  
**1 no. Energy absorbing lanyard (Length t.b.c.)**  
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 into structural steel decks, the roof structure in conjunction with the Constant Force post for Single Ply roofing 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 Latchways for Polymeric Single Ply Membrane Roofing system are supplied by Latchways plc/ MSA Safety.

### **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 for Latchways systems.

**N25/610      IDENTIFICATION AND REGISTRATION LABEL(S) FOR GUIDED FALL ARREST SYSTEM**

- Provide and fix to each system a permanent label giving:
- Latchways 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 Latchways 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, for all motions including upward, downward and lateral travel, and slew
  - 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.