Tender document

Roof access ladder with integrated fall arrest rail

**Pos. XX.XXX : Ladder with integrated fall arrest rail**

The SafeLadder is an access ladder for roofs made of anodized aluminium 6060T6. The ladder has a vertical fall arrest rail integrated in both uprights.
The SafeLadder is certified in accordance to the fall arrest standard EN353-1:2014 et EN14122

The end user wears a fall arrest harness complying to EN361 and connects a vertical fall arrest trolley to the Safeladder upright. In case of a fall the trolley locks instantly onto the fall arrest track, through a came mechanism. When climbing up and down, the trolley moves easily along the rail. The end user doesn’t need to disconnect at any point upon reaching the roof.

The ladder rungs are made of 30mm rectangular aluminium profile. The rungs are 400mm wide. The distance between two rungs is 280mm.

The ladder is fixed by brackets to the wall. The bottom element is fixed with 4 brackets. The spacing between two pair of brackets is max. 3000mm. The brackets length depends of the wall construction. The min. distance between the wall, or any obstacle, and the rungs is 180mm.
Short brackets are made of aluminium. Longer models of 300mm and more are made of high-grade stainless steel AISI304. The brackets are fixed to concrete or rigid steel beams.

The ladder junctions are made of aluminium and are bolted. They enable a perfect alignment between the ladder elements so the trolley passes smoothly.

If the ladder is more than 9000mm height, then it is equipped with a foldable foot rest made in stainless steel and aluminium.
The foldable foot rest enables the worker to rest, while being safely connected to the ladder by the fall arrest rail. The foot rest is a safe alternative to the multiple section clause mentioned in EN14122.

If the ladder is installed in an area accessible by the public it must be equipped with an anti-intrusion door as per EN14122. The anti-intrusion door is made of stainless steel and is minimum 2000mm high.

Proposed brands: Fallprotec or equivalent

Type: SafeLadder

Length:

**Pos. XX.XXX : Roof Exit**

The top of the SafeLadder is equipped with a parapet platform with integrated fall arrest rail.
The platform has a straight extension on the left and right side to assist the user to climb out of the ladder.

The platform has handrails on both sides at 1100mm height.
The platform is fixed on the inner side of the parapet with a pair of brackets.
The platform is equipped with a fall arrest anchor point to secure the transition between the ladder and the roof.

Proposed brands: Fallprotec or equivalent

Type: SafeLadder

Units:

**Pos. XX.XXX: Personal protective equipment (P.P.E.)**

Cabinet to store the PPE equipment containing:

* SafeLadder VIA4 vertical fall arrest trolleys

Proposed brands: Fallprotec

Type: SafeLadder VIA 4

Quantity: 2