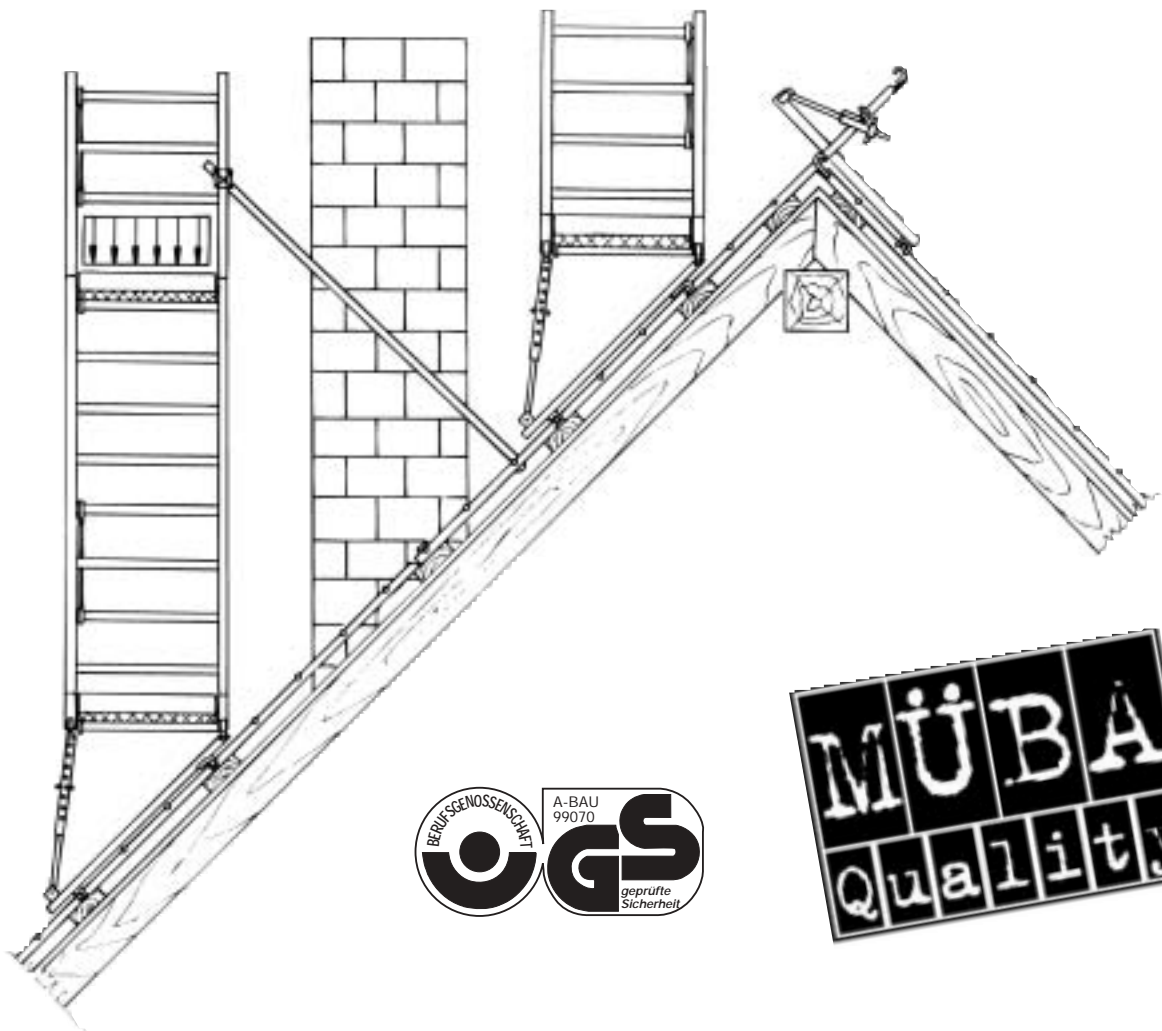




Manual

Aluminum chimney scaffold

April 2007 edition





Fachausschuß Bau
Prüf- und Zertifizierungsstelle
 im BG-PRÜFZERT

Hauptverband der gewerblichen
 Beru^ggenossenschaften

GS-Prüfbescheinigung

99070

Bescheinigungs-Nummer

Name und Anschrift des
 Bescheinigungsinhabers: M^uller + Baum GmbH & Co. KG
 Birkenweg 52, D-59846 Sundern-Hachen
 (Auftraggeber)

Name und Anschrift des
 Herstellers: siehe oben

Zeichen des Auftraggebers:
 MUBA

Zeichen der Prüf- und Zertifizierungsstelle:
 622.63-MÜBA

Ausstellungsdatum:
 01.07.1999

Produktbezeichnung: K^onsoilerüst

Typ: A^uto-Kamingerüst

Bestimmungsgemäße
 Verwendung: Gemäß Aufbau- und Verwendungsanleitung

Prüfgrundlage:	DIN 4420-1	Arbeits- und Schutzgerüste; Allgemeine Regelungen; Sicherheits-technische Anforderungen, Prüfungen	12.90
	GS-BAU-01	Grundsätze für die Prüfung der Arbeitssicherheit von Gerüsten, Gerüstbauteilen und gerüstähnlichen Einrichtungen	01.94

Bemerkungen: Für Dachneigungen von 30° bis 50°
 Maximale Standplatzhöhe 2,00 m über Konsolniveau
 Nachfolgebescheinigung zu BAU 94054

Das geprüfte Baumuster stimmt mit den in § 3 Absatz 1 des Gerätesicherheitsgesetzes genannten Anforderungen überein.
 Der Bescheinigungsinhaber ist berechtigt, das umseitig abgebildete GS-Zeichen an den mit dem geprüften Baumuster überein-
 stimmenden Produkten anzubringen. Der Bescheinigungsinhaber hat dabei die umseitig aufgeführten Bedingungen zu beachten.
 Diese Bescheinigung einschließlich der Berechtigung zur Anbringung des GS-Zeichens wird spätestens ungültig am:

30.09.2004

Weiteres über die Gültigkeit, eine Gültigkeitsverlängerung und andere Bedingungen regelt die Prüf- und Zertifizierungs-
 ordnung vom Oktober 1997.

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A. General notes

Request of the components:

- Only components in perfect status and Original parts of the stand system may be used.
- Defective system parts are to be selected.
- Roof scaffold ladders are particularly characterized by labels for the use intended.

Request of the roof structure:

- The roof structure must be limited according to DIN 1055 for wind and snow loads.
- Before the assembly of the aluminum chimney scaffold the roof structure and the stand on plate must be checked by a responsible person.

Notes for the use of the aluminum chimney scaffold

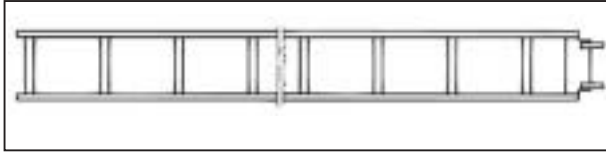
General operating conditions

- The aluminum chimney scaffold may be used at roofs with inclination between 30° and 60°.
- The aluminum chimney scaffold is a free standing stand; for the guarantee of security against tilting are large horizontal loads from work operation in highest level, as well as off center vertical loads, e.g. through mounting the stand over the external fronts to absolutely avoid.
- The max. field width of a stand amounts to 2.50 m.
- The use of the stand takes place following DIN 4420:
Surface-related nominal load 2 kN/m (200 kg/m²)
– During arrangement of two stands on a roof page is only the load of one floor level of a stand with 200 kg/m² admissible (one loaded stand position) – During arrangement of a stand on both sides of the first on the same ladder courses is the load per a floor surface of a stand with 200 kg/m² admissible (two rested stand positions)
- The stand must with end of work or with arising wind of more than 6 wind forces (Beaufortskala) diminished or by appropriate measures of the stand on plate against slipping (slide), tilting and taking off become responsible secured.
- The suitability for foot traffic of an aluminum chimney scaffold is by the completing creation of roof leaders - as under Point D4 described - to guarantee. Roof scaffold ladders of the aluminum chimney scaffold may not to be used to pass the stand.

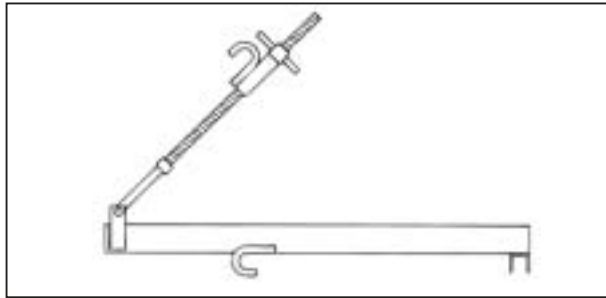
The rules for the prevention of accidents must be kept

B. System construction parts

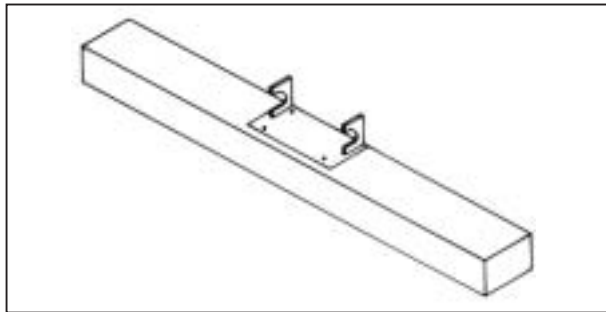
B1. Components of the aluminum chimney scaffold



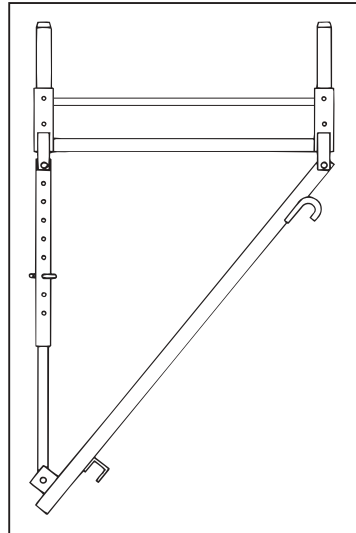
Roof scaffold ladder



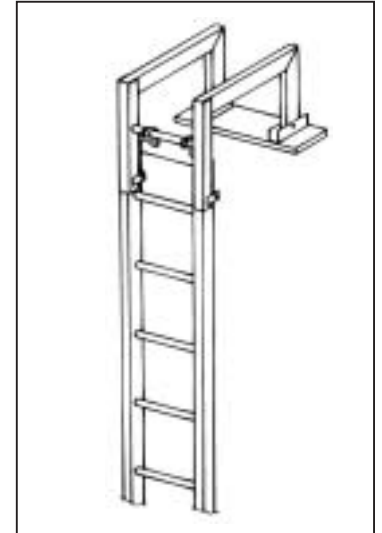
Ladder protection



Stock woods mass: 8 cm x 12 cm, 120 cm long



Roof scaffold console

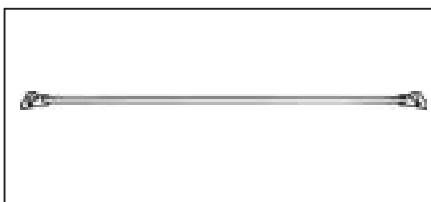


Roof scaffold ladder with first in hanging



Side protection (three-part)

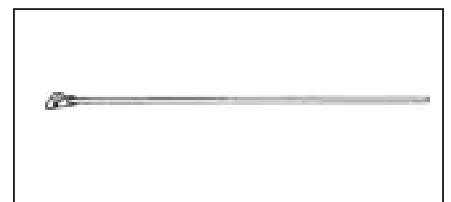
B2. Components of the aluminum mobile scaffold



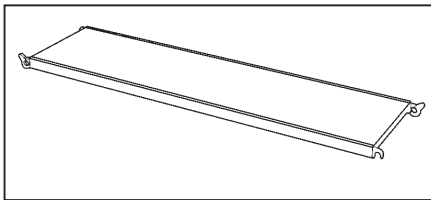
Back railing



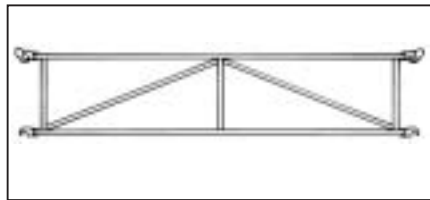
System diagonal



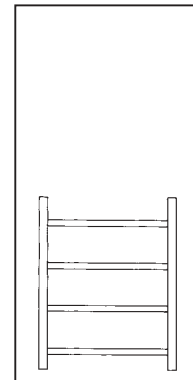
Safeguard pipe



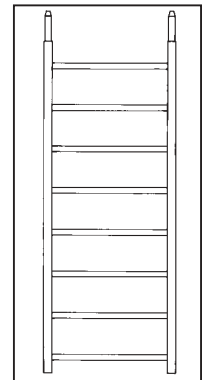
Floor panel



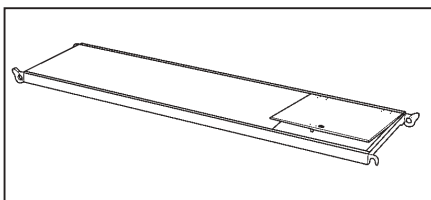
Railing frame



Ladder frame
1 m



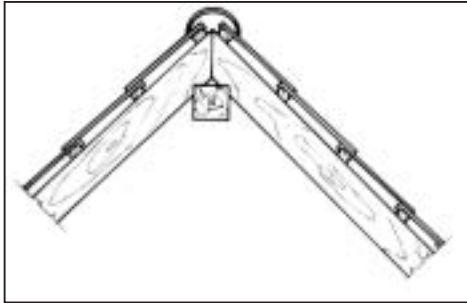
Ladder frame
2 m



Floor panel with flap

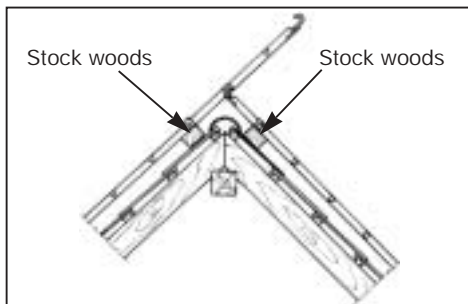
C. Use guidance for standard application

The structure guidance for the standard use describes the methodology for the assembly of one scaffold field with lower and upper floor board on two ladder courses including all components of the railing. All further applications are to be derived from this.



1. Preparations

- Protection of the danger area by locking off or assembly a canopy as protection forwards possibly falling down articles.
- Creation access road for the setting up place of the aluminum chimney scaffold by the attachment of roof scaffold ladder both sides outside of that Field width roof scaffold ladder who can be installed (light distance of the roof scaffold ladders ca.3,50 m).
- Examination of the load-carrying capacity of the available roof structure

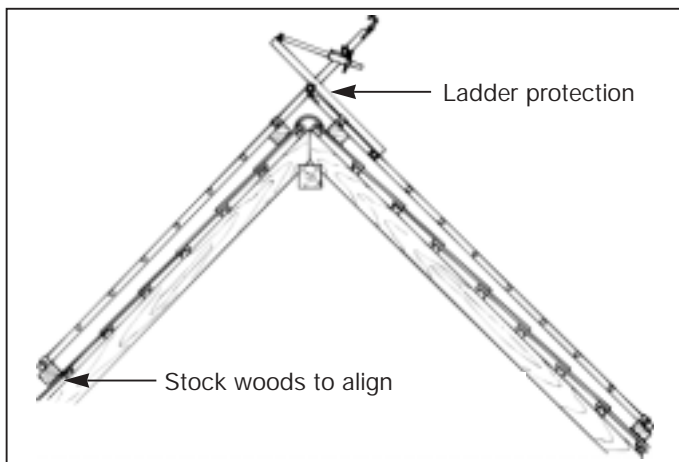


2. Assembly roof scaffold ladders

Assembly in pairs roof scaffold ladders by hanging up the claws ladder into the secondary upper rung of the opposite ladder.

Important!

Hang up the highest stock woods in directly underneath of the roof first following rungs both ladders.



3. Assembly of the ladder protection

Assembly of additional stock woods at the lower ladder ends for aligning roof scaffold ladders and assembly of the ladder protection; see diagram. An extension of the ladder course is by that appendices of further roof scaffold ladders possible.

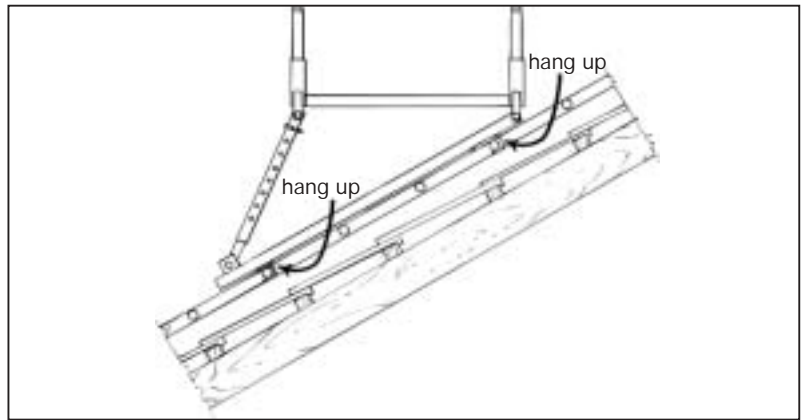


Important!

The fork from supernatant aluminum ladder and ladder protection must by turning the wing nut closed as far as an actuated contact exists.

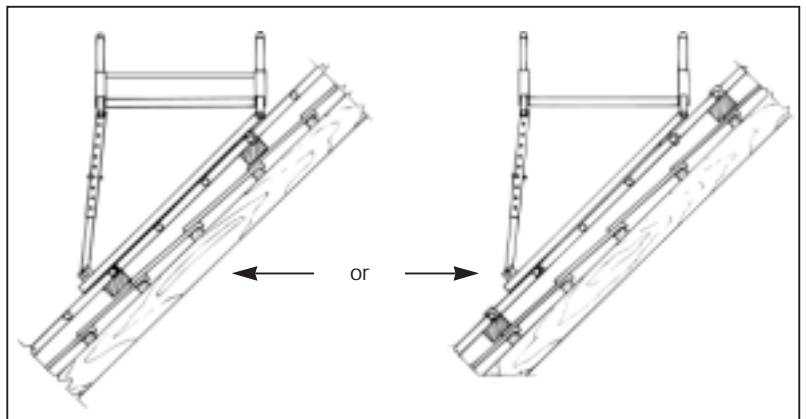
4. Hang up the roof scaffold consoles

Hang up the roof scaffold consoles in desired place and horizontal align the console latch plate by the pin mapping of the interior -and external pipe that console press-strives.



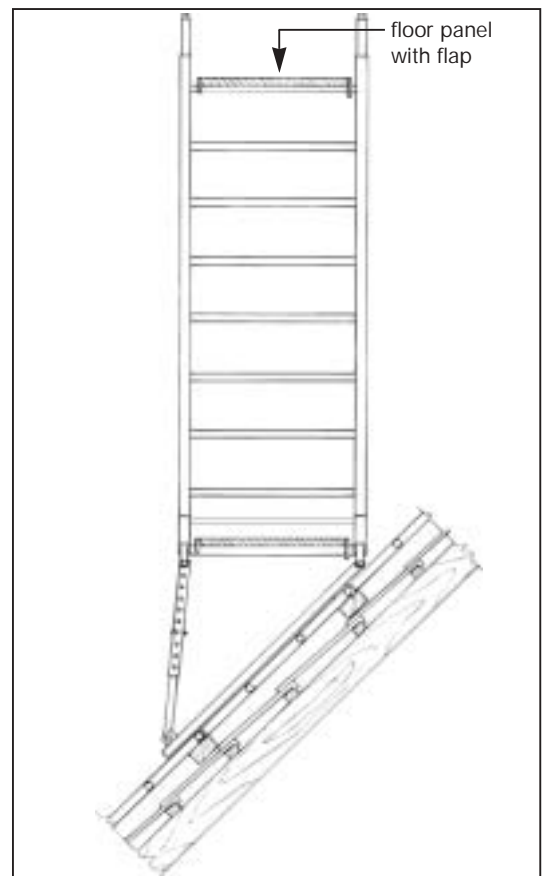
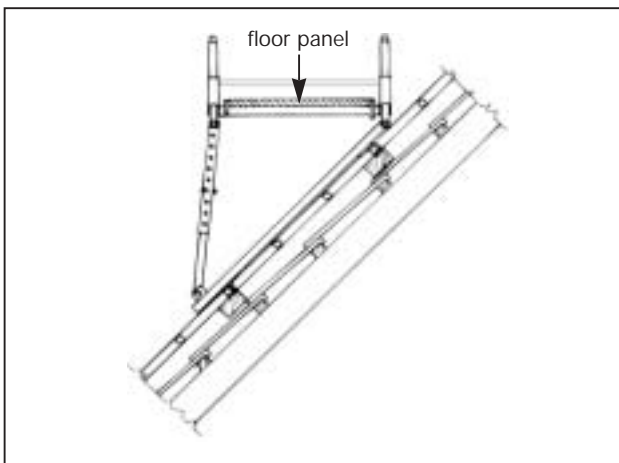
5. Assembly of stock woods to roof scaffold consoles

- Assembly of stock woods to roof scaffold ladders to the same ladder rungs, at those also those roof scaffold console is attached or
- At the most around a rung field **outside** of the base of the roof scaffold console.



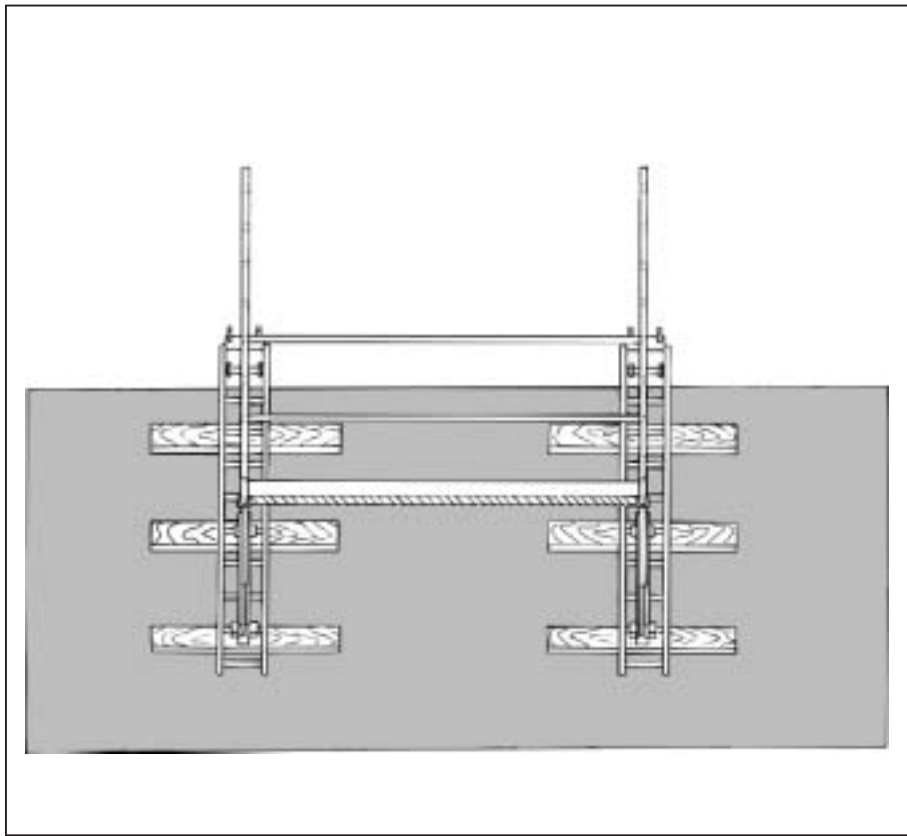
6. Hang up the lower floor panel

Hang up a floor panel into those latch plate of the roof scaffold consoles.



7. Attach the ladder framework

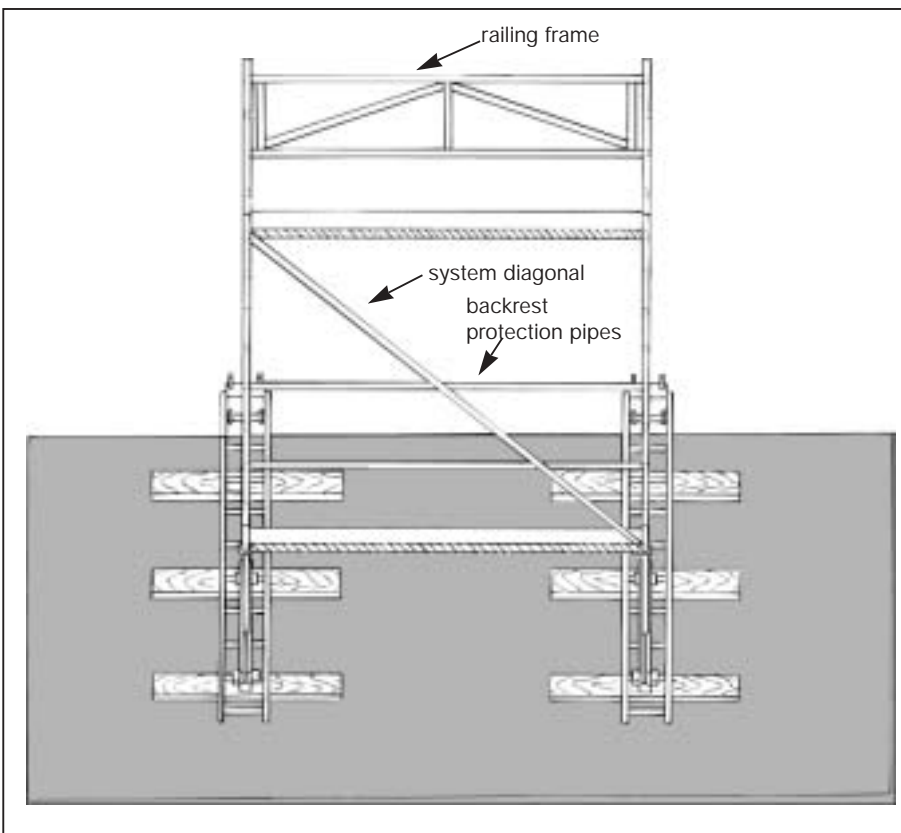
Attach the ladder framework up the tube ends of the roof scaffold consoles and hanging up that upper floor panel with flap.



8. boards, railings

Installation of the boards as well as installation of the side protection consisting of 2 backrests or a railing frame in each floor level.

If the roof first in a distance $b \leq 90$ cm from the stand is, a side protection on the upper side is necessary, if the danger of a crash is not eliminated by other measures.



9. Installation of the stabilization components

Stabilization of the stand in longitudinal direction through

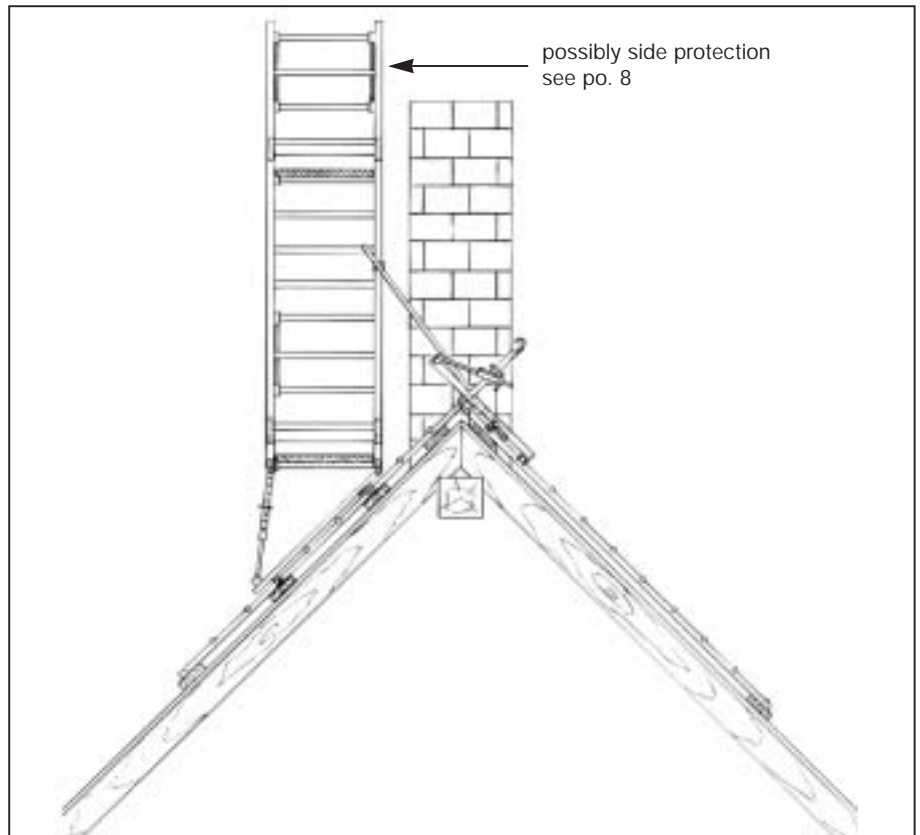
a) installation of railing frame-works in each position

or

b) the installation of system diagonals and backrest protection pipes

10. Protection against tilting

For the increased safety against tilting: both sides installation of diagonal pipes $\varnothing 48,3$ between roof scaffold ladders and ladder frameworks;
Link at ladder frameworks also rotary coupler (see also sketches the further structure versions in Cut off D).



D. Further structure versions

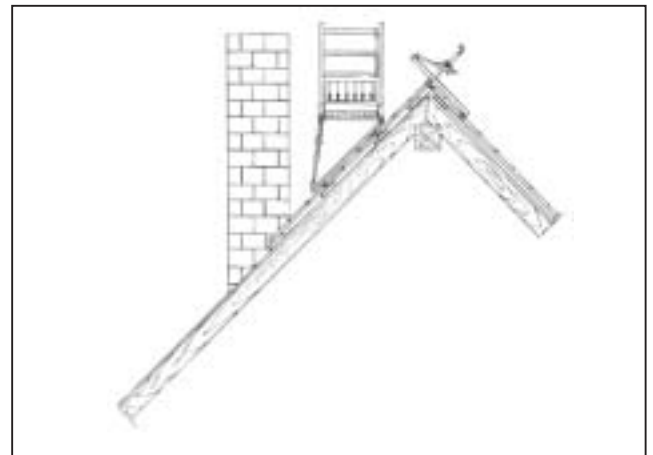
D1. Variation of the status height over console latch plates

Important!

Work operation ($200\text{kg}/\text{m}^2$) **only on one floor level** admissible.

1. Status height = console latch plate level

1.0 m ladder frameworks on roof scaffold console inclusive. All necessary railing components, boards and diagonals or railing frameworks similar version as the standard application.

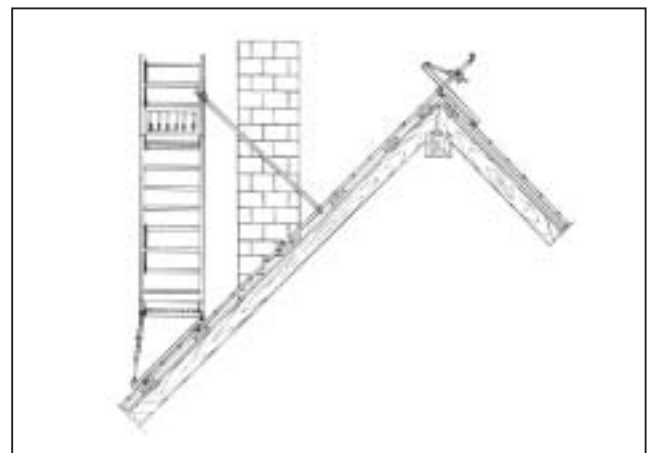


2. Status height more largely than 1.0 m up Console latch plate level

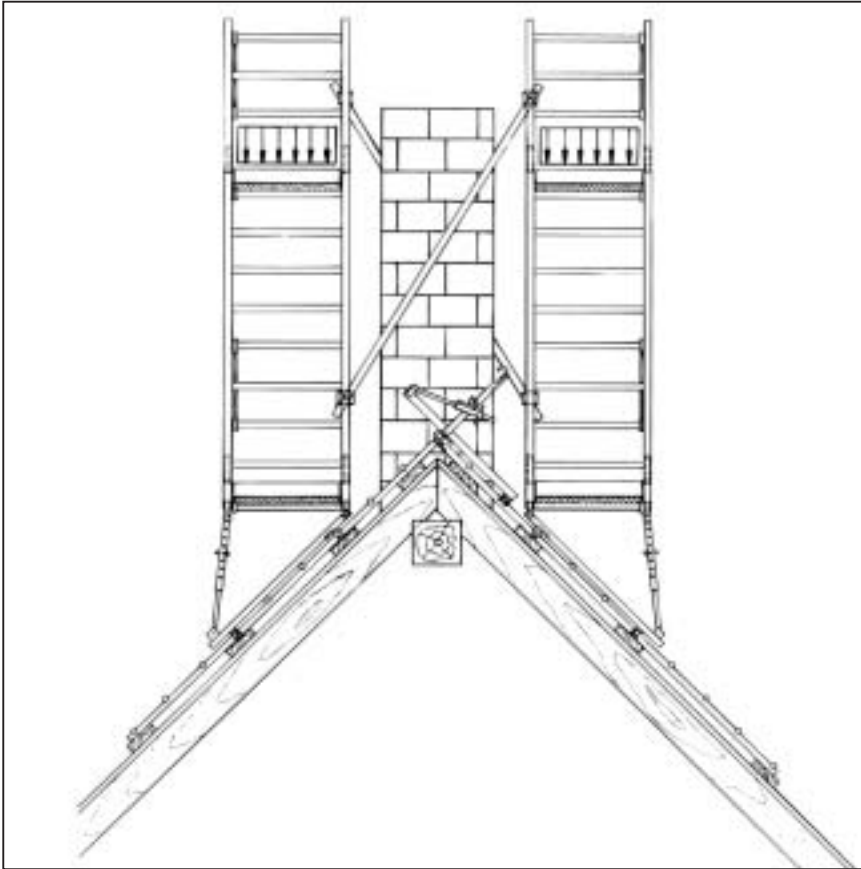
1.0 m + 2.0 m ladder frameworks on roof scaffold console of inclusive all necessary railing components or railing frame similar as the standard application. For status heights smaller than 1.0 m over console latch plate level is the use of 2,0 m Ladder framework sufficiently

Important!

Max. status height 2.0 m up console latch plate level.



D2. Variation of the console arrangement per ladder course

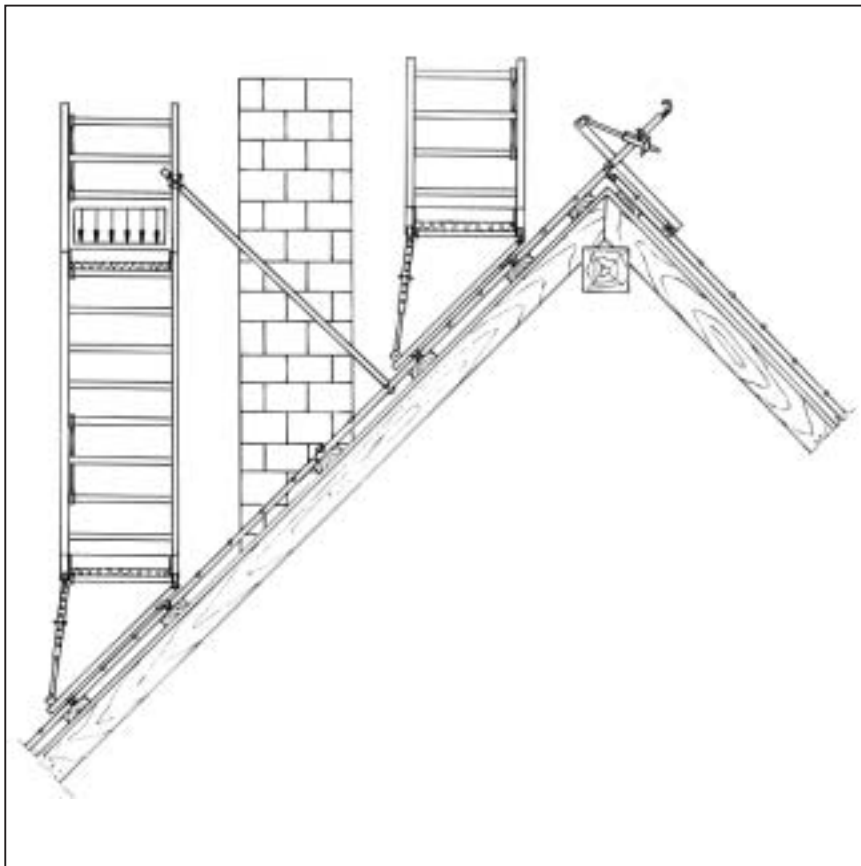


1. Both sides of the first one stand

Both sides a console inclusive structure

Important!

Work operation (200 kg/m^2) on every **one floor level of both stands** admissible.



2. On a side of the first two stands

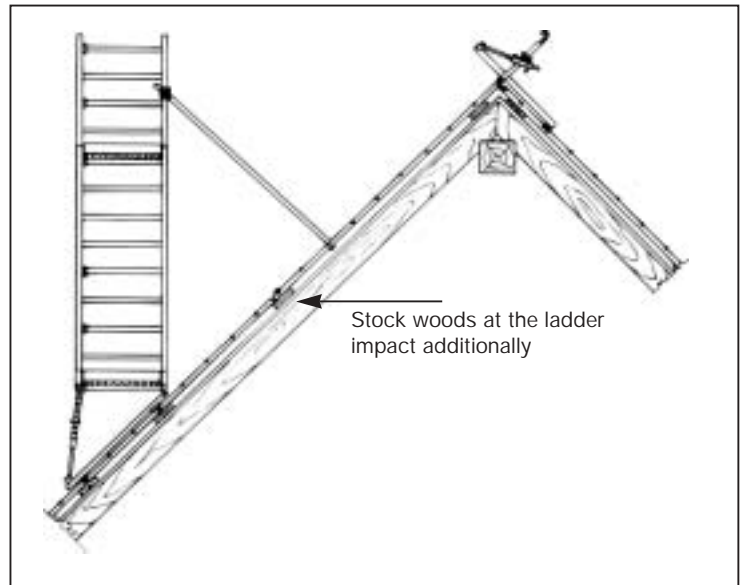
On one side two consoles inclusive structure

Important !

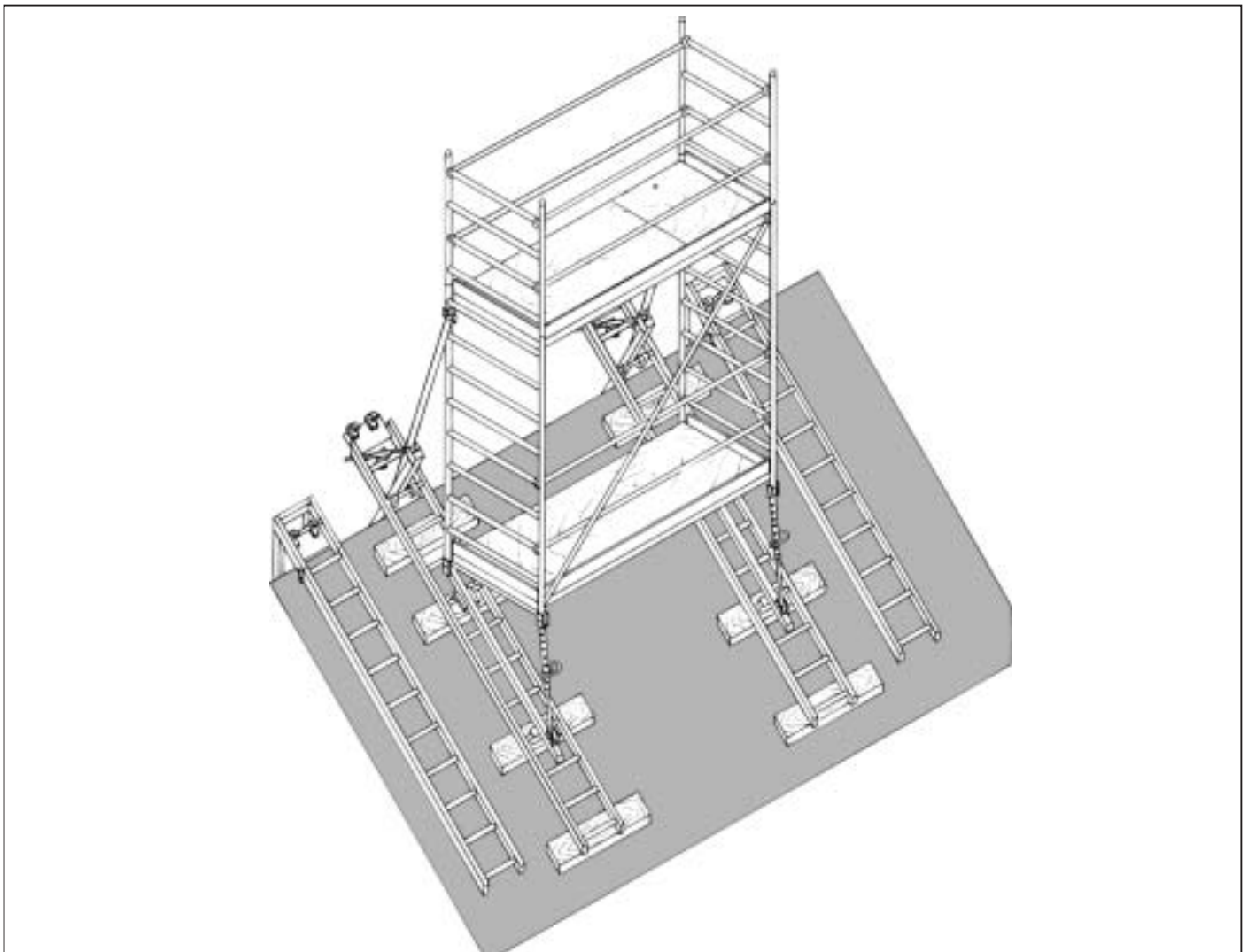
Work operation (200 kg/m^2) on **one floor level only one stand** admissible.

D3. Extension of roof scaffold ladders

- If necessary roof scaffold ladder can be extended by attaching further ladder shots.
- In this case is beside for that structure of standard stocks woods mentioned on to insert each ladder impact a stocks wood.

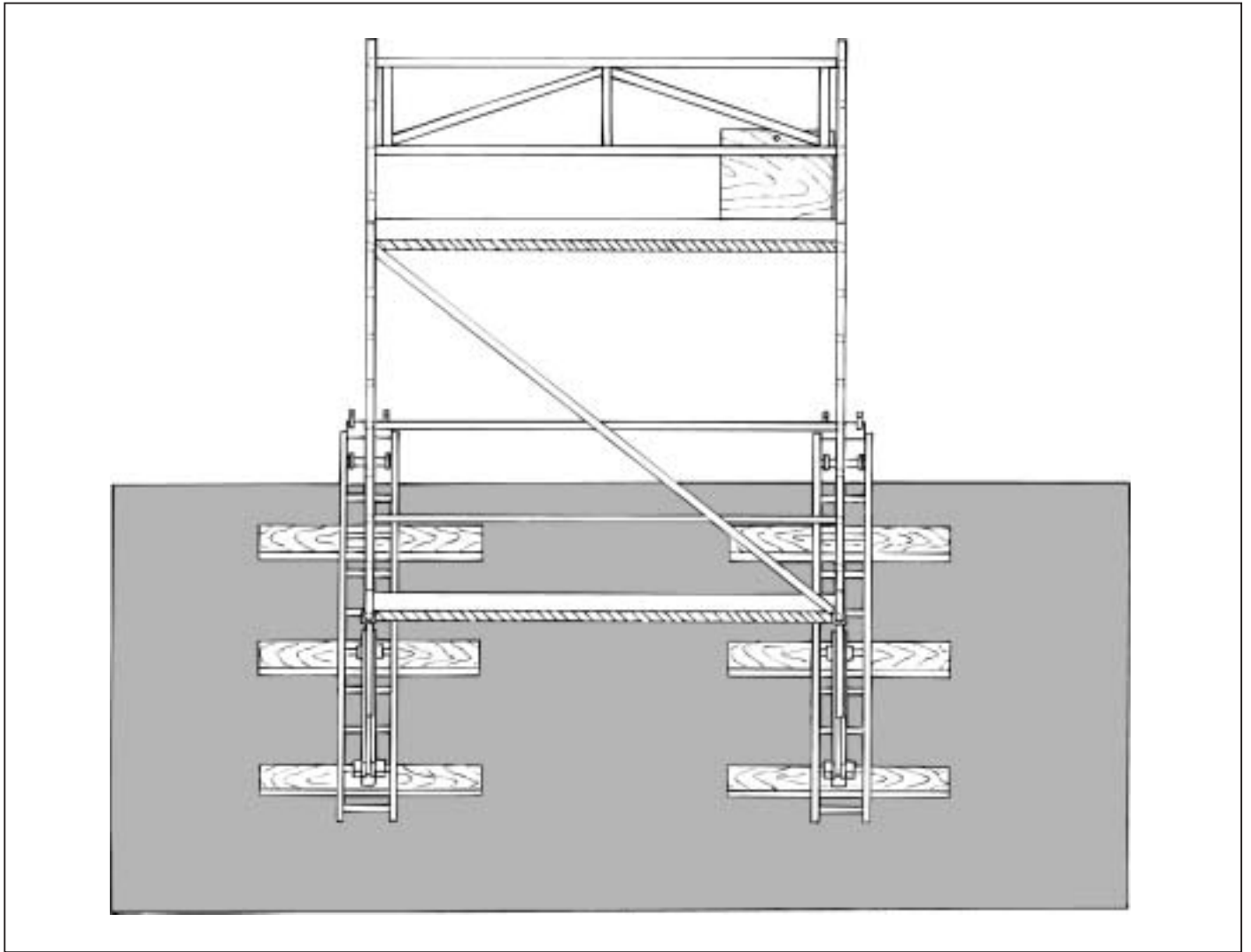


D4. Suitability for foot traffic of the stand



1. Suitability for foot traffic of the aluminum chimney scaffold from the roof area

- lateral passing on additionally roof scaffold ladders arranged within the area of the stand.
- Entrance into the aluminum chimney scaffold always on the stand page over those, not equipped with railing.



2. Accessibility of upper floors

Always use of a floor panel with flap as upper floor;
Ascent over the ladder frameworks.



Technical subject to change 04/ 07

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