

# GRILL COTE



Elementary illustration of the building

## GRILL COTE

NOTE: CHECK DELIVERY CONTENTS AT WORK SITE.

## DELIVERY LIST:

	size (mm)	length L=	Quantity
Lower frame	PK 38x100	1950mm	6 ea
Roof element (covered)			5+5 ea
Door frame			2 ea
Wall element (covered)			2 ea
Wall element (door)			1 ea
Wall element (closed window)			2 ea
Wall element (window, opening)			1 ea
Roof board veneer		2150mm	5 ea
Roof board veneer (door)		640mm	2 ea
Roof strip	12x42	2255mm	6 ea
Corner strip	12x42	1085mm	6 ea
Bench parts:			
	40x95	2270mm	3 ea
	40x95	1445mm	2 ea
	40x95	402mm	6 ea
	35x170	1920mm	6 ea
	35x170	1805mm	3 ea
	35x170	1585mm	4 ea
Grill plane	35x170	530mm	6 ea
Flame board	20x195	600mm	1 ea
Collar board		2058mm	5 ea
Collar board		589mm	1+1 ea
Door strips:			
	12x42	1510mm	2 ea
	12x42	960mm	1 ea
	12x42	834mm	1 ea
	12x32	1240mm	2 ea
Ridge strip	18x18	1130mm	1 ea
Corner strip		1085mm	6 ea
Door			1 ea
Floor element			6 ea
Extension part			1 ea
Small roof veneers			2 ea
Lid veneer for chimney			1 ea
Chimney sides			6 ea
Small roof foundation			1 ea
Gable triangle			1 ea
Rear triangle			1 ea
Cover triangle veneers			2 ea
Frontal board	20x70	860mm	2 ea
Outer corner board			6+6 ea
Holder for keeping chimney ajar	40x95		1 ea
Corner triangle			6 ea
Bench support		300mm	12 ea
Bench leg		405mm	6 ea

## Roofing-felt:

Felt squares			6 pkgs
Border felt (roof board and roof bends)	220mm	L=10m	3 rolls
Border felt (chimney and small roof)	270mm	L=10m	1 roll
Chimney lid felt	width 1000mm		1 m
Instructions + screws etc.			1 ea
Roof element (door)			1+1 ea

	quantity
Pancake pan	1 ea
Coffee pot	1 ea
Screw box:	
-Door lock bolt	2 ea
-Chain	0,5 m
-Wire bolt	1 ea
-32 x 100 hinge	8 ea
-25 x 75 hinge	7 ea
-5 x 80 screw	100 ea
-5 x 70 screw	200 ea
-4 x 45 screw	100 ea
-4 x 20 screw	200 ea
-Felt nail	1 kg
-Headless nails	130 ea
-Sandpaper	

## FOUNDATION WORK FOR THE GRILL COTE

\*Frozen surface dirt, large stones and tree stumps etc. are removed within an area of about 4,5 meters in diameter. Depending on the quality of the soil, the depth of the layer to be removed

varies between 10 and 40 cm.

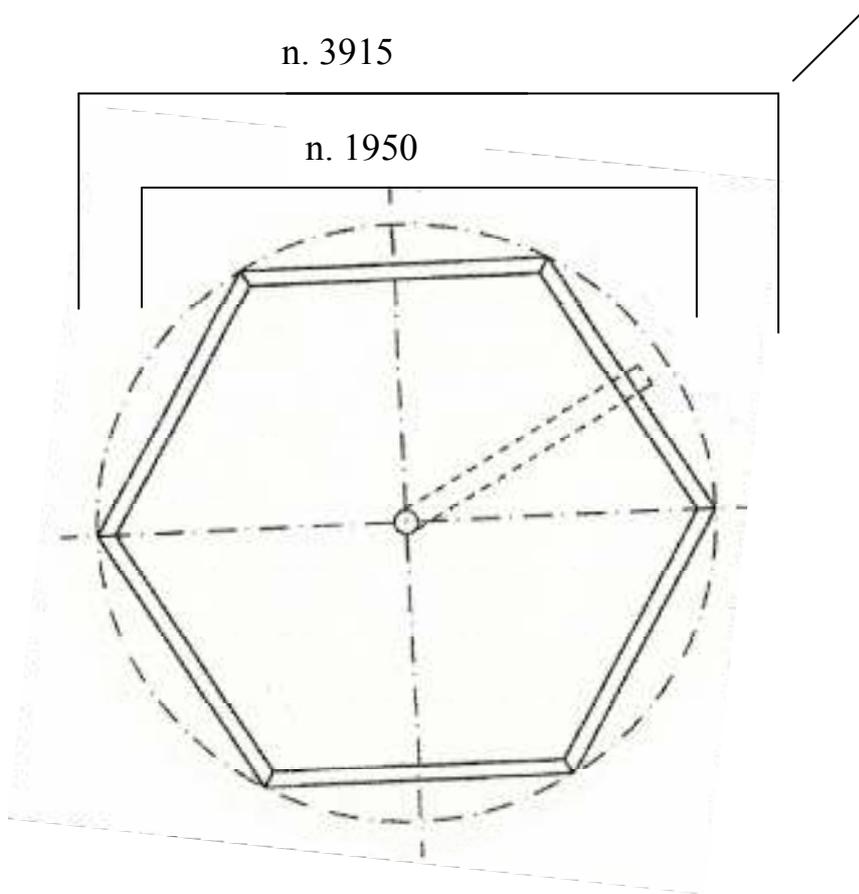
\*At least 20 cm 0-16 mm gravel or sand is spread as a foundation base.

\*The cote can be erected on this packed gravel base, but the pouring of a 15-20 cm concrete sole on the gravel is recommended.

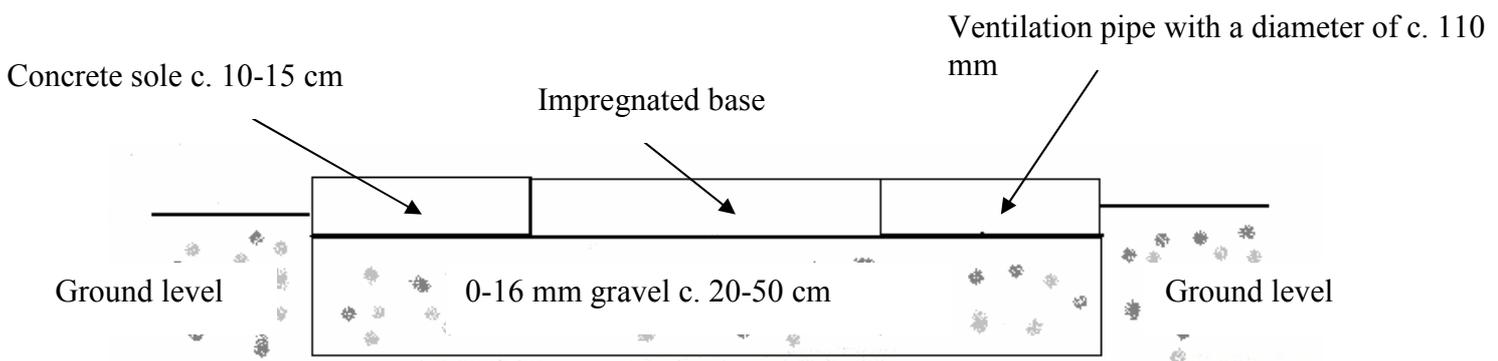
\*Before pouring the concrete base and beginning to erect the cote, it is recommended to place a ventilation pipe of about 110 mm in diameter underneath the grill, as per the illustration.

\*Impregnated ground timbers are carefully placed on the foundation using a water-level, in such a way that exterior measure of about 3915 mm is achieved at each pair of corners, as per the illustration. The boards are attached to each other head-on using 5,0 x 80 mm screws.

Elementary illustration of the foundation 1:40



Elementary cross-section of the foundation 1:40



ERECTING THE GRILL COTE

## TOOLS NEEDED:

- |                           |                 |
|---------------------------|-----------------|
| 1. Tape measure           | 4. Hammer       |
| 2. Water-level            | 5. Hand saw     |
| 3. Battery operated drill | 6. Carpet knife |

## ERECTION OF WALL ELEMENTS:

The erection of the wall elements can be begun by, for example, lifting the door wall (the wall element with an opening) upon the base plank at a distance of about 20 mm from the inner edge of the plank. Next, the wall element with a fixed window is lifted unto the following base plank.

The elements are pushed together in such a way that the slanting vertical sides are carefully joined together, both length- and width-wise. The elements are joined together from both sides, using three 5,0x80 mm screws. (See CORNER JOINERY OF WALL LOGS).

After this, a solid wall element is erected beside the window element, and fastened in the same way as before. Next, that with the operable window, after that again a solid wall element and lastly the element with the non-operable window, which is fastened at its other end to the wall element with the door, which was first to be erected.

The cross measurements of all opposite corners are checked and, if needed, corrected to the same size, or about 3820 mm.

The corner boards (boards with supporting pieces) are attached to the outer corners of the wall elements by three 5,0x70 mm screws.

Thin covering strips are nailed to the interior corners of the wall elements, and V-strips to the exterior corners.

## ASSEMBLY OF ROOF ELEMENTS:

Assembly of the roof is begun by installing the collar boards equipped with a V-groove.

The collar boards are assembled sloping with the V-groove up on the support pieces situated on the wall elements and corners (see DIAGRAM).

The collar boards are carefully pushed together from their ends and are fastened to each other by 5,0x80 screws in such a way that a uniform frame is formed in the direction of the walls, after which they are fastened to the upper rims of the walls by 5,0x80 mm screws.

The collar board intended for the door opening is pre-shortened in the middle. A space of 870 mm should be left between the ends of the boards for fastening support boards for the small roof at the front edge of the door frame.

In connection with this the triangular corner bits are also fastened to the inner corners of the collar boards with two 5,0x70 mm screws, in such a way that the upper edges are even.

The sloping halves are first fastened in pairs on a straight base with three 5,0x70 mm screws from one side, and two from the other side of the run. After this they are carefully mounted into place as complete slopes onto the collar boards. The slopes are fastened together at their slanted corners by five 5,0x70 mm screws in such a manner that the corner of the collar board and that of the slope are exactly in place and the angled corners of the slopes are carefully joined lengthwise. This procedure is continued until all slopes are in place and fastened to each other. (See CONNECTING SLOPES)

The thus completed roof is fastened from underneath (from the V-groove) unto the collar boards by four 5,0x70 mm screws per slope.

Note! In the middle of the roof slope above the door opening, is a c. 870 mm broad incision for the door. After assembly, the support pieces of the slopes sides should be sawed off flush with the door opening.

Finally the veneer roof boards are fastened to the roof slopes with about 11 4,5x45 mm screws per slope.

#### ASSEMBLY OF DOOR AND SMALL ROOF:

The assembly of the door is begun by sawing off part of upper the rafter above the door opening, which was used as a transport support. The incision should match the door opening, about 810 mm.

After sawing, the door frame is fastened from both sides by two 5,0x70 mm screws into the wall rafters in such a way that the lower part of the frame rests on the lower wall rafter, the frame is centered in the opening and the outer surface of the frame is at the same level as the outer surfaces of the wall rafters (See DIAGRAM OF COTE DOOR AND SMALL ROOF).

Then the door is lifted unto its hinges, function of the door and equal size of chinks is inspected and possible adjustments undertaken.

After this, the support boards of the small roof are fastened by two 5,0x80 mm screws from the inside unto the outside seam formed by the heads of the vertical jambs and wall rafters. The outer width of the boards should be c. 870 mm (as per the groove of the collar board) and the upper ends of the planks should be exactly of the same height as the upper limb of the door frame.

After this, the assembly of the small roof is begun by fastening one of the triangular 865 mm frames with its front panelling by two 4,5x45 mm screws to the front of the lower panelling of the small roof, the front being even with the outer ends of the panelling.

The other triangular frame is fastened to the lower panelling by two 4,5x45 mm screws in such a way that its lower edge becomes the outer edge of the nailing-strip of the lower panelling.

The finished construction is lifted unto the upper door frame in the middle of the opening and pushed horizontally against the roof panelling which is situated on the upper rim of the opening in the roof slope. It is then fastened from the outside by two 5,0x80 mm screws through the triangular frame and rood panelling unto the side support of the opening.

It is worth while to check the straightness of the roof slope at this instance, as the slope may be straightened by this fastening.

The construction is also fastened from above by two 4,5x,5 mm screws unto both support boards of the small roof.

Next, the veneer roof slopes are fastened by eight 4,5x45 mm screws in all unto the triangular frame, so that the slanting heads rest on against the slope boards and the upper sides form a straight angle with the square bar of the roof ridge.

In the end, the frontal roof board boards are fastened from above with four 4,5x45 screws unto the slopes of the small roof, at about 10 mm from the outer edge.

#### ASSEMBLY OF ROOF FELT:

There are detailed instructions concerning the assembly of roof felts included in each felt package. Please read the instructions closely before starting assembly. The assembly of the roof felt is best begun on the unbroken stretches of roofing.

Note! The 220 mm broad felt is designed for the roof boards and outer folds of the large roof while the 270 mm broad felt is intended folds by the chimney and small roof.

It is worth while to carefully place and cut the felt strips in accordance with the included drawing “ASSEMBLY PICTURE FOR ROOF FELT”, at which nearly two lengths of felt will be left, which can then be used for covering the small roof.

#### ASSEMBLY OF CHIMNEY:

The body of the chimney is assembled on the ground by bringing together the veneer sides of the chimney into a hexagon form, using two 5,0x70 mm screws per corner. The screws are placed at the seams, and in their direction (see ASSEMBLY OF CHIMNEY SIDES”).

The framework thus formed is covered by roof felt in such a way that extends at least 10 cm past the lower end of the framework (inner seam furthest from edge).

At the same time the chimney lid is covered by roof felt using a 1 m<sup>2</sup> piece of felt.

The lid is fastened by two hinges to the upper end of the frame, and a chain for adjusting the opening of the lid is put in place.

The chimney is then placed into the opening in the centre of the roof and is fastened from the inside unto the roof slopes using six 5,0x80 mm screws, which are placed about 20 mm from the centre line of the seam. This fastening is also designed to stiffen the upper parts of the roof slopes.

#### ASSEMBLY OF THE BENCHES:

The assembly of the benches is begun by fastening into place the longer load-bearing lengths (3 ea), whose ends are attached to the walls (see COTE BENCHES).

The lengths are fastened in the direction of the walls and are screwed to the walls by two 4,5x45mm screws at a height indicated by the vertical supports, which will be fastened. They are fastened at the ends by one 5,0x70 mm screw (See FASTENING BENCH LENGTHS).

After this, the shorter load-bearing lengths (2 ea) are screwed in place, also in the direction of the walls, but are fastened at their ends by one 5,0x70 mm screw unto the former lengths; the upper surfaces are to be flush.

Then the shorter lengths are attached between the walls and the longest lengths, in such a way that, under the ends of these lengths, vertical supports are also fastened to the walls near the corners.

Next, the bench boards are put in place. The boards follow the direction of the walls and a space of c. 10 mm should be left between the chamfered ends.

The front bench boards are fastened to the load-bearing lengths by three and the rear ones by two 5,0x70 mm screws.

Lastly, underneath the sleeping wings (3 ea) the support wings are attached by hinges to the edges of the benches by the door opening and the rear bench.

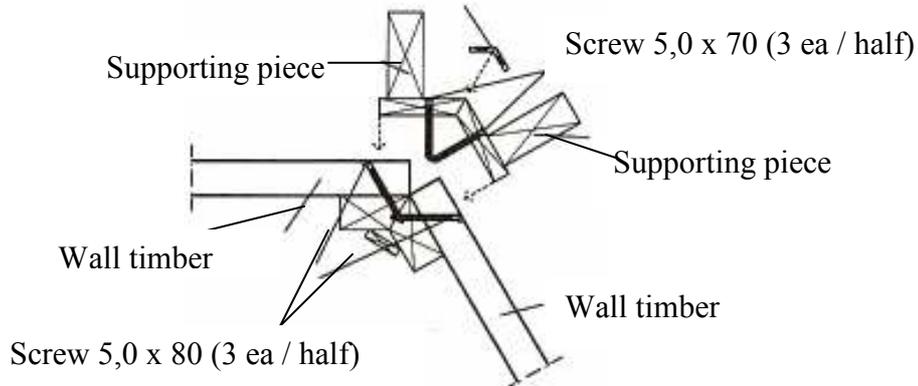
#### ASSEMBLY OF FLOOR AND PLACEMENT OF STRIPS:

The duckboards are placed round the grill in such a manner that the door is equipped with an extra duckboard, as intended.

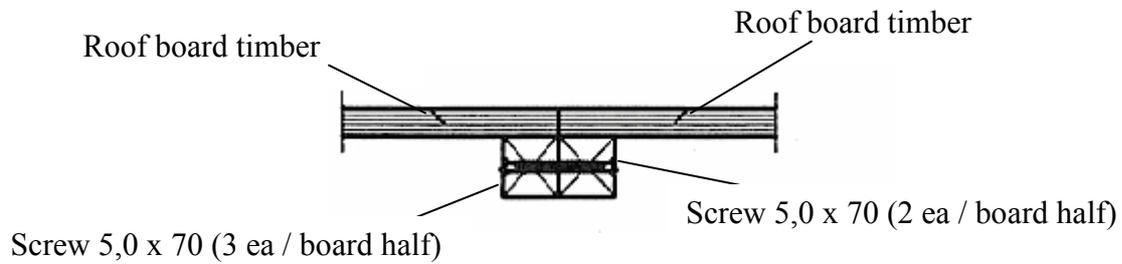
A number of strips, intended for interior decoration, have been added to the delivery package. These are strips intended for the roof seams, and also for borders of the door opening. The strips are measured and thereafter nailed into place.

### JOINING CORNERS OF WALL ELEMENTS A-A 1:10

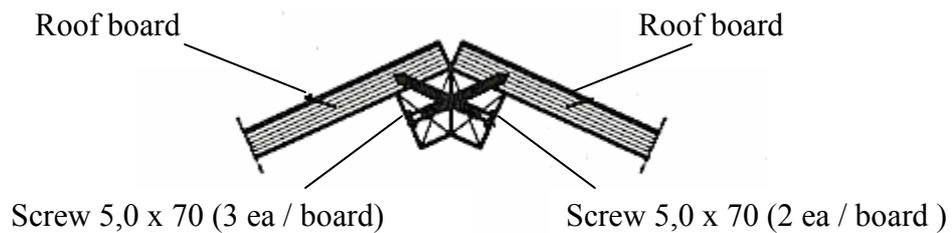
A covering board is nailed over the corner



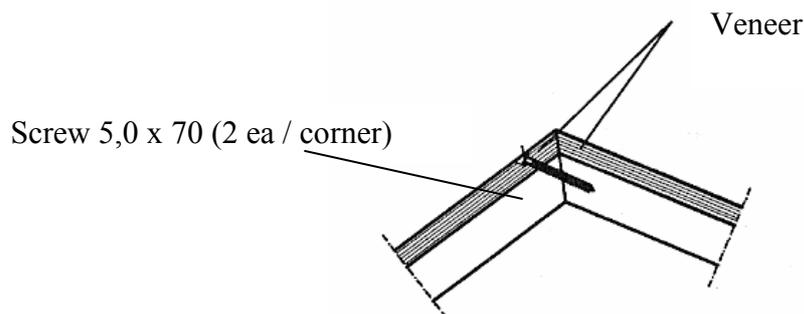
### ATTACHING ROOF BOARD HALVES 1:10



### ATTACHING ROOF BOARDS 1:10

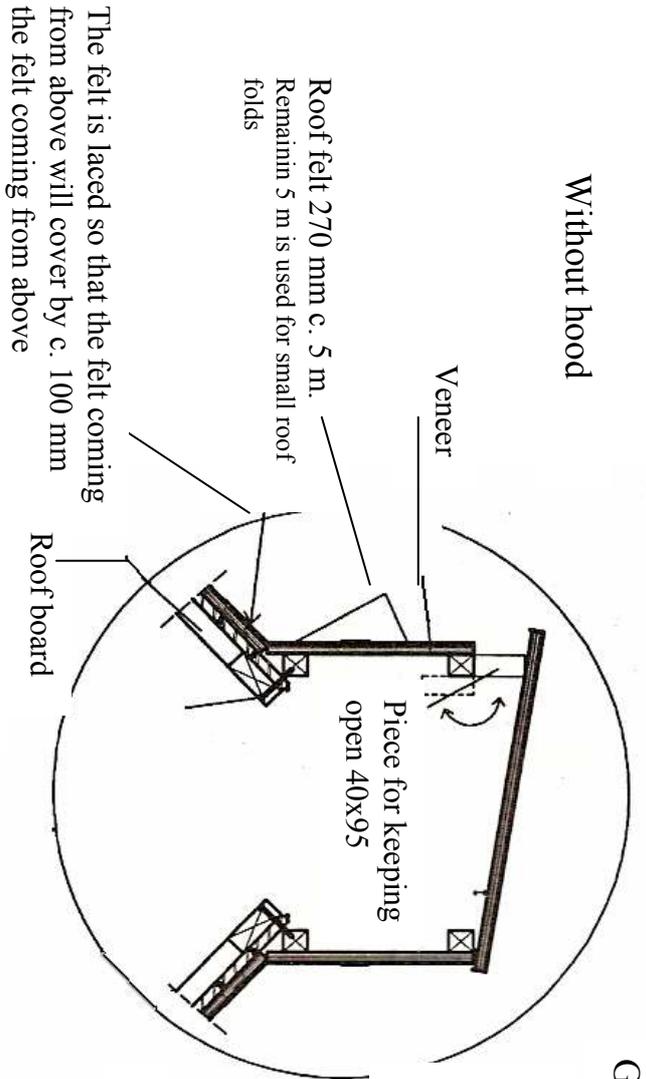


### JOINING CHIMNEY SIDES 1:10

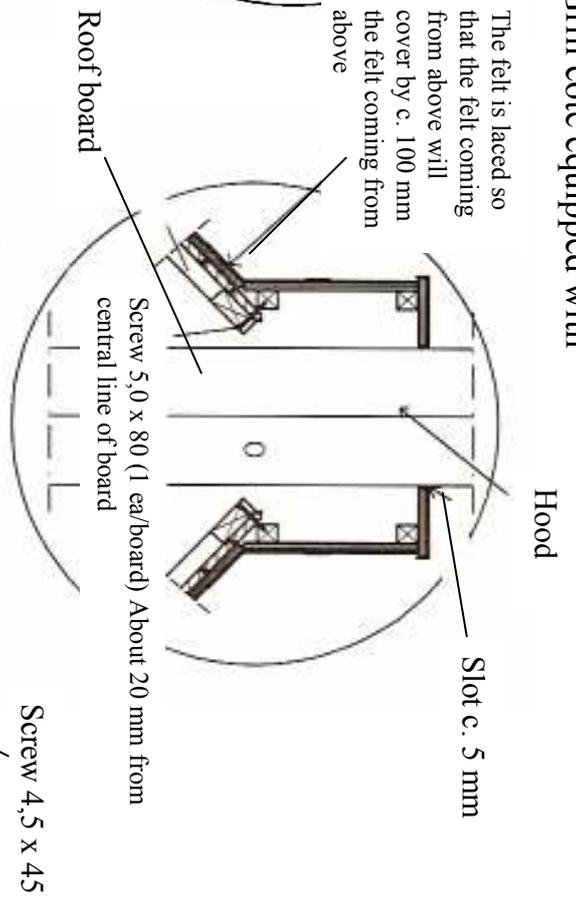


CROSS SECTION 1:50

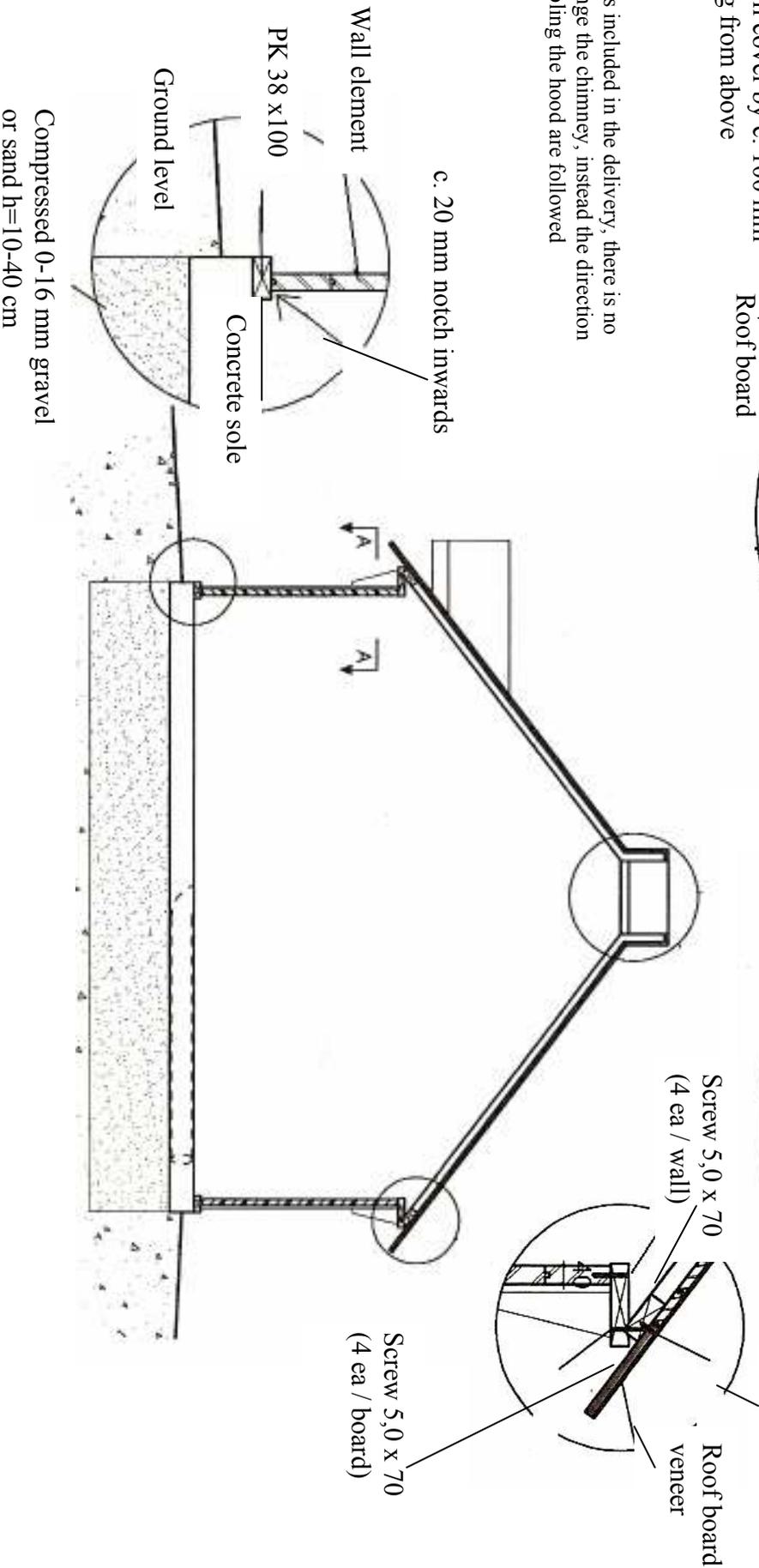
Without hood



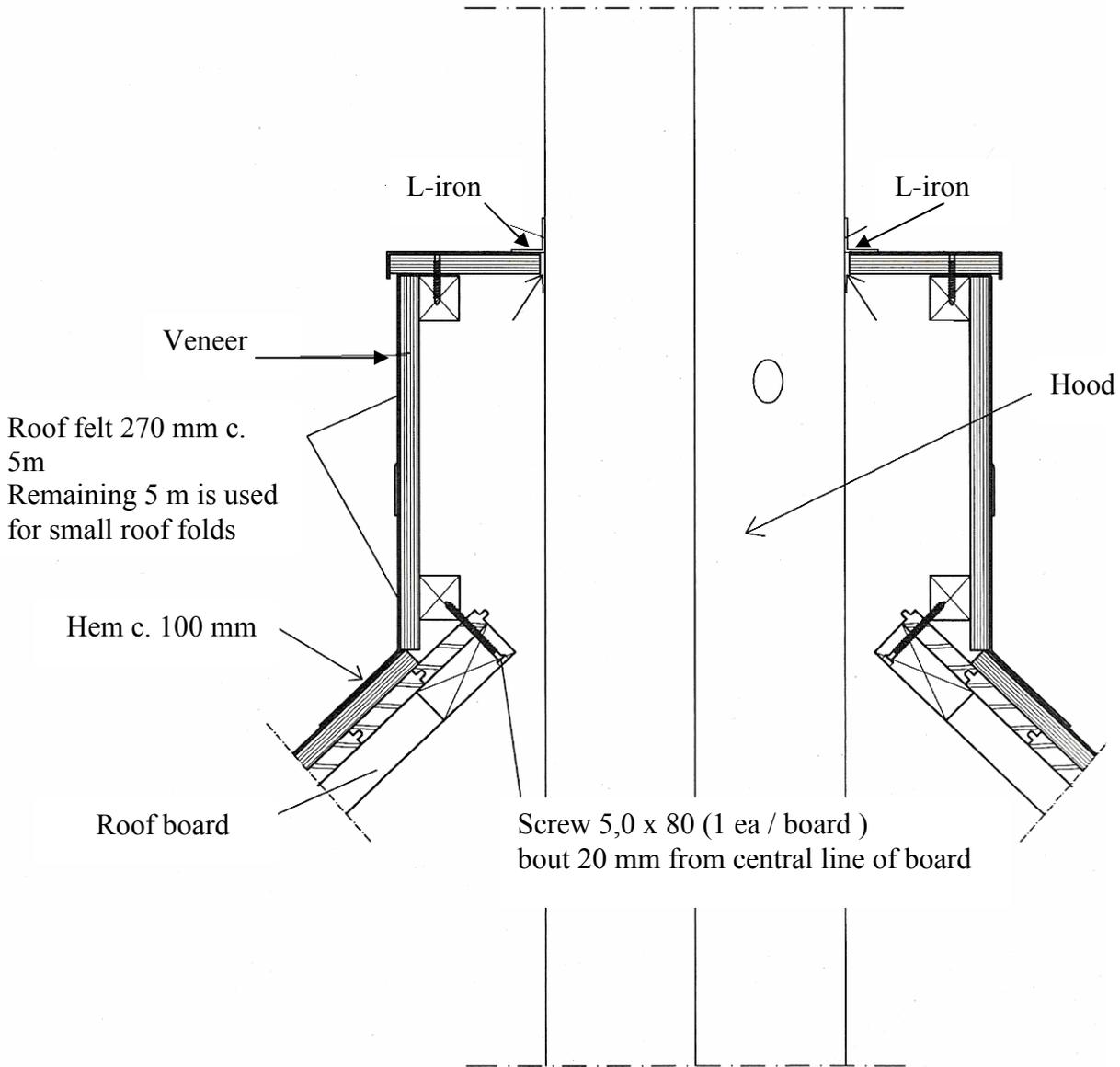
Grill cote equipped with



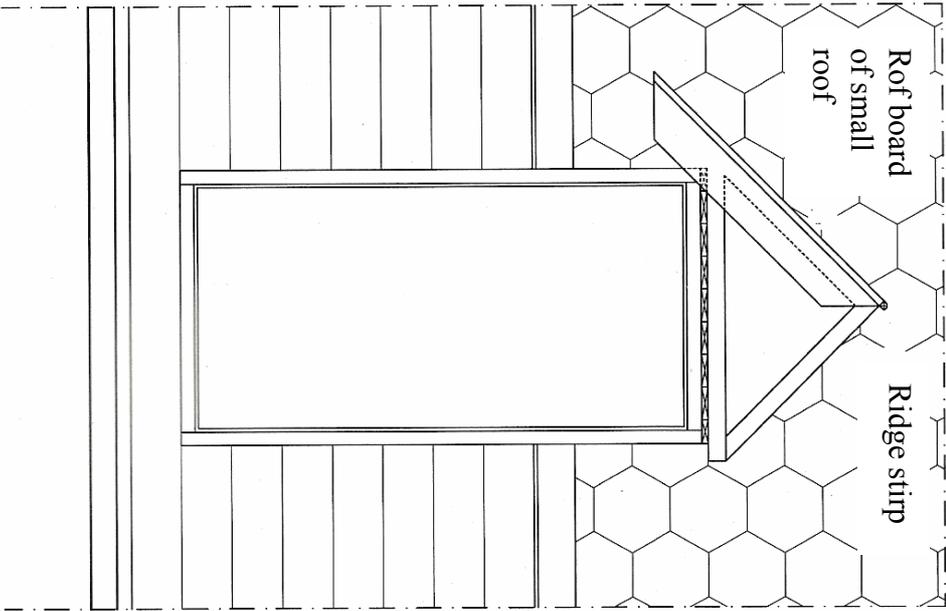
If a hood is included in the delivery, there is no need to hinge the chimney, instead the direction for assembling the hood are followed



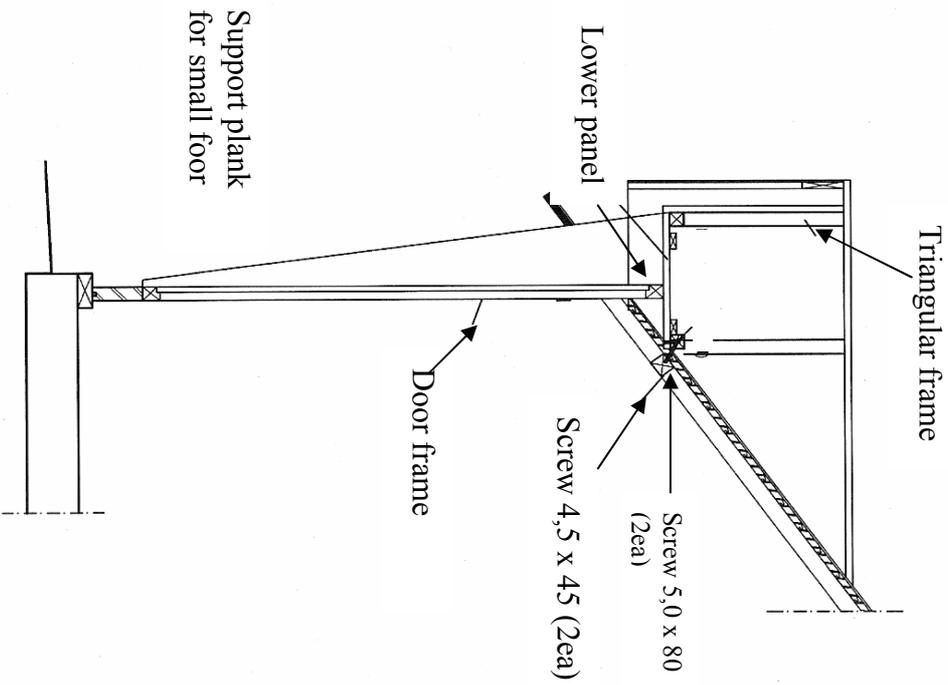
# INSTALLATION GUIDE FOR HOOD



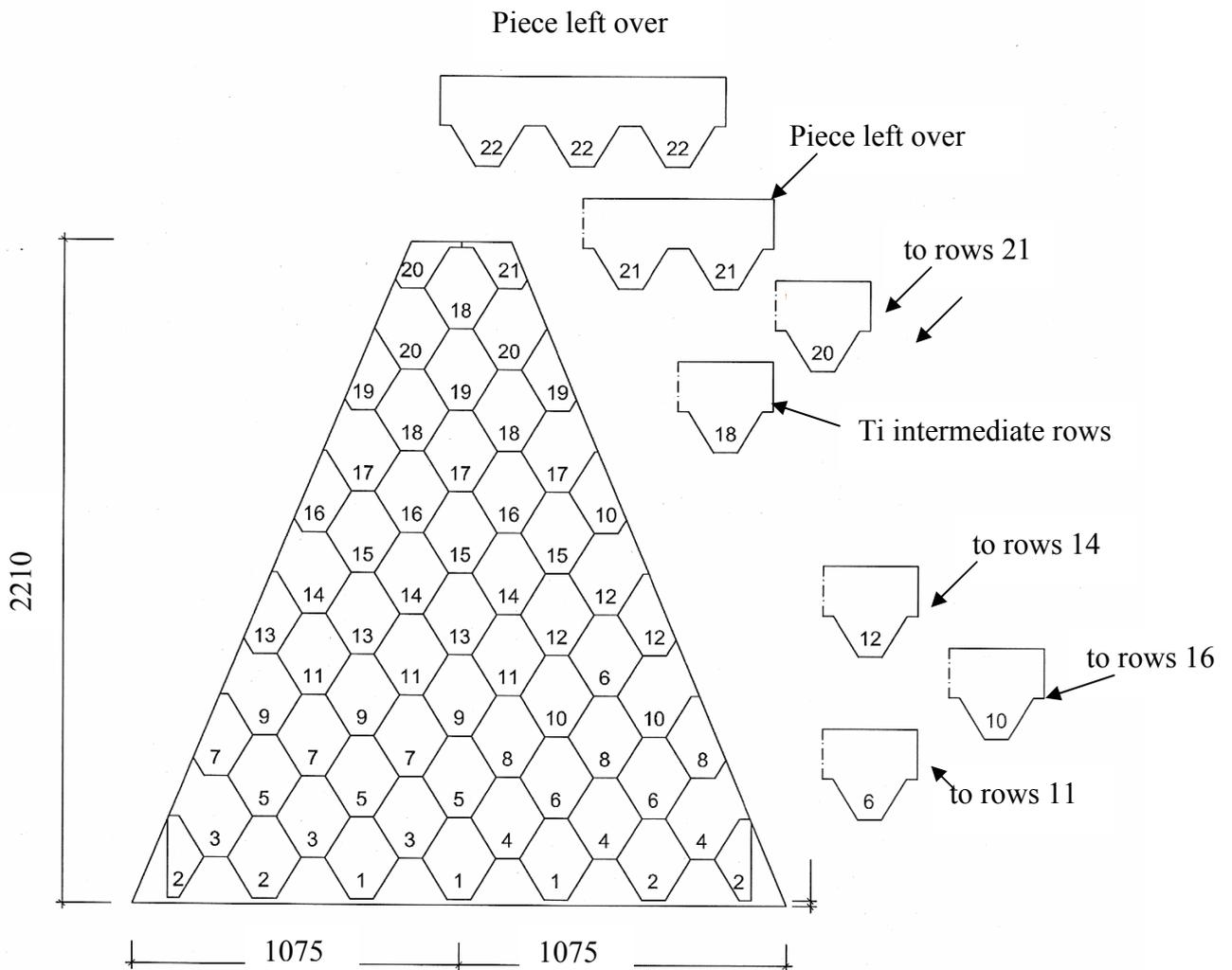
DOOR COTE 1:20



CROSS SECTION OF SMALL ROOF 1:20



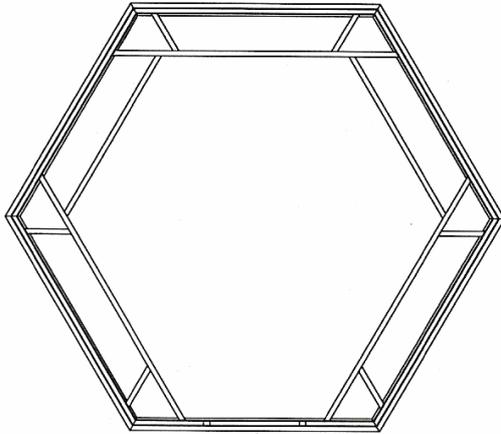
## ASSEMBLY PICTURE FOR ROOF FELTS OF COTE



Note ! The 220 mm broad felt is intended for the boards and outer folds of the large roof and the 270 mm broad for folds at the chimney and small roof.

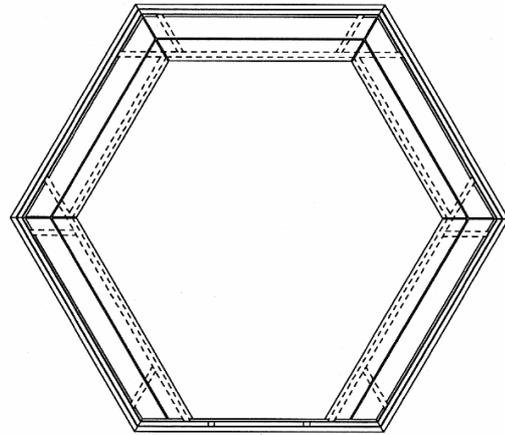
# BENCHES OF COTE

## SUPPORT LENGTHS OF THE BENCHES



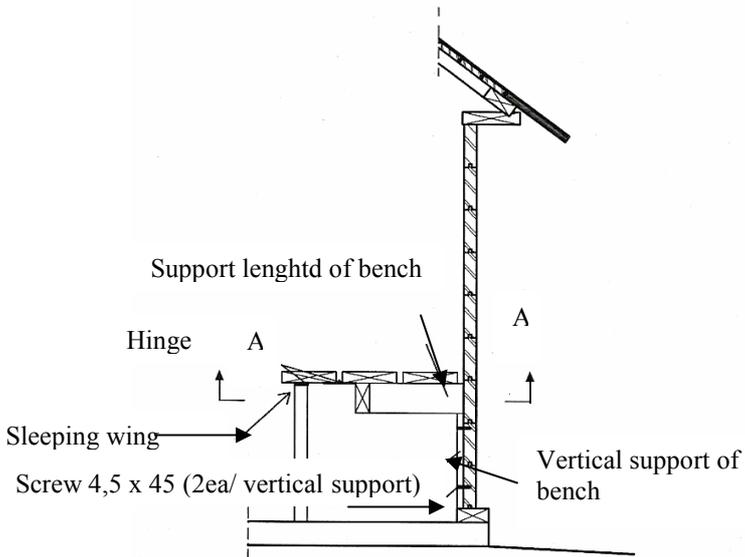
door

## THE BENCHES

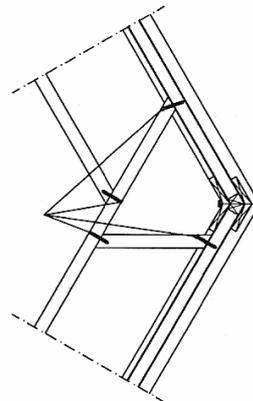


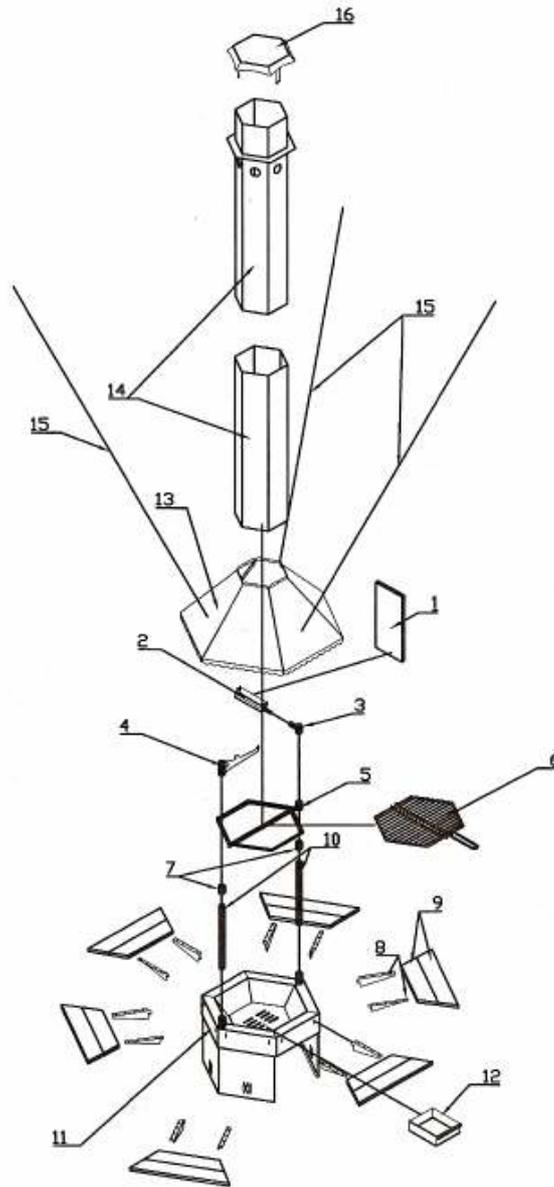
door

## FASTENING OF THE BENCH SUPPORT LENGTHS



A-A





1. Flame board
2. Flame board keeper
3. Adjustment tube for keeper ( 1 ea M5\*12 winged nut)
4. Keeper for coffee pot
5. Keeper for grill grating
6. Grill grating
7. Height adjustment tube ( 1 ea M5\*12 winged nut)
8. Support for serving ledge
9. Board for serving ledge ( 8 ea 4\*20 wood screw)
10. Pipe for height adjustment (40 cm)
11. Framework for grill ( 2 ea M5\*12 winged nut)
12. Ash hatch
13. Cote hood ( 12 ea M5\*10 hexagon bolts + nut)
14. Chimney ( 21 ea 4,2\*16 Wronic screws, 8 ea M5\*10 hexagon bolts + nut)
15. Chain ( 3 ea M5\*16 hexagon bolt + nut and 6 ea M5 bottom tray, 3 ea ceiling hook)
16. Hood cap ( 6 ea Wronic screw)