

Windows from wood and aluminium. Specifications

25097-2002

32

91.060.50; 53 6130

1. "Finnish association of construction product industries" " -1", . "VTT building
and transport",

2. () 24 - 2002 .

"VTT building

3. 25097-82, 27936-88.
4. 1 2003 .
2 2002 . N 118.

1.

(- ,)

23166

9.031-74.

9.032-74.

9.301-86.
9.303-84.

9.308-85.

9.401-91.

111-2001.
166-89.
427-75.
538-2001.
2140-81.
2695-83.
7016-82.
7502-98.
8486-86.
9416-83.
15140-78.
15612-85.

15613.1-84.

15613.4-78.

16588-91.
17005-82.
22233-2001.

23166-99.
24033-80.
24404-80.

24866-99.
26433.0-85.

26433.1-89.

26602.1-99.
26602.2-99.
26602.3-99.
26602.4-99.
26602.5-2001.
30733-2000.
30777-2001.

30778-2001.

30971-2002.

30972-2002.

3.

23166

4.

4.1. () .
4.1.1.

23166,

4.2. 23166

X X X X-X-X (X) X

(4 . 1 . 1) :

23166

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2 1760-1650-130 4 1 + (4 1-16 r- 4) 25097-2002 -

5.

5.1.

5.1.1.

23166

5.1.2.

()

5.1.3.

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(, ,

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5.1.4.

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1200 , 1800 ; 2300

- 80 ().

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5.1.5.

() ()

30778,

5.1.6.

5.1.7.

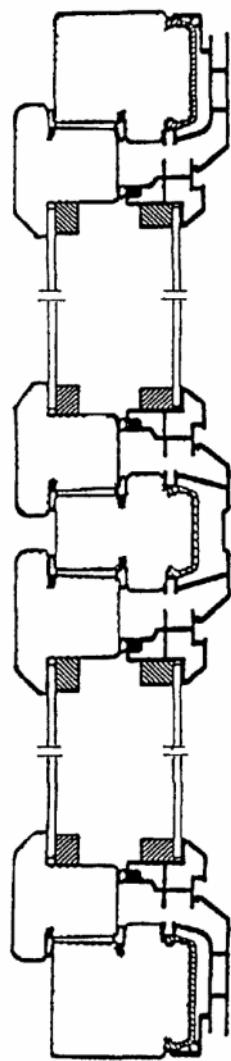
()

22233.

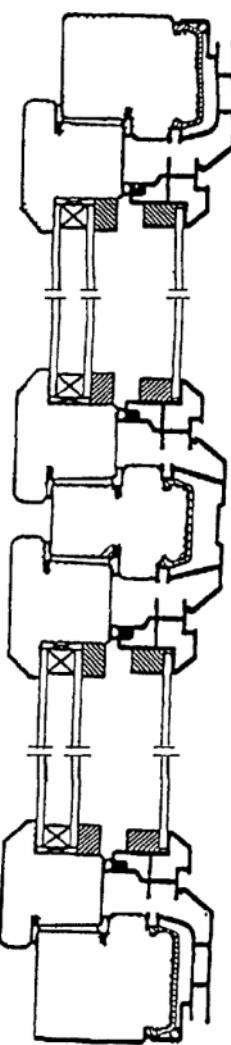
5.1.8.

1 - 8

a



б

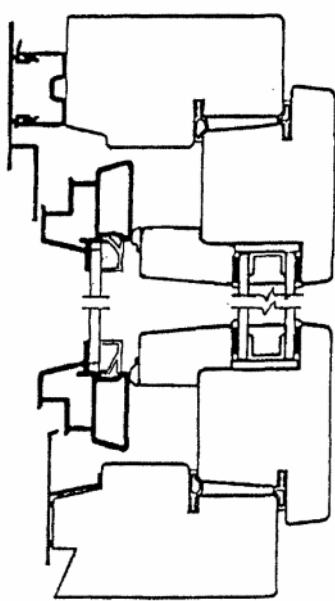


1.

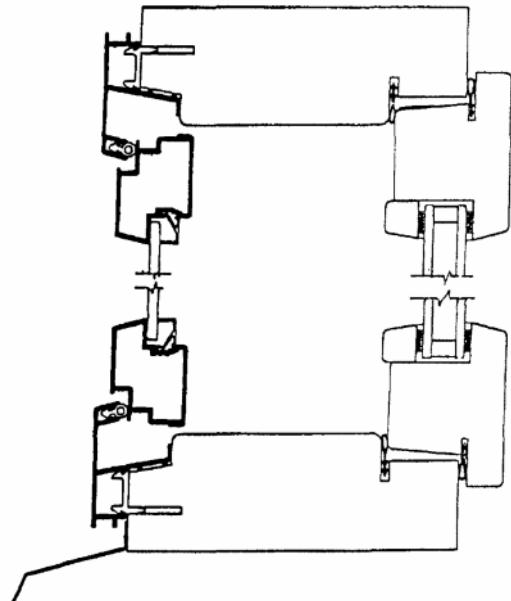
()
()

2.

a



б

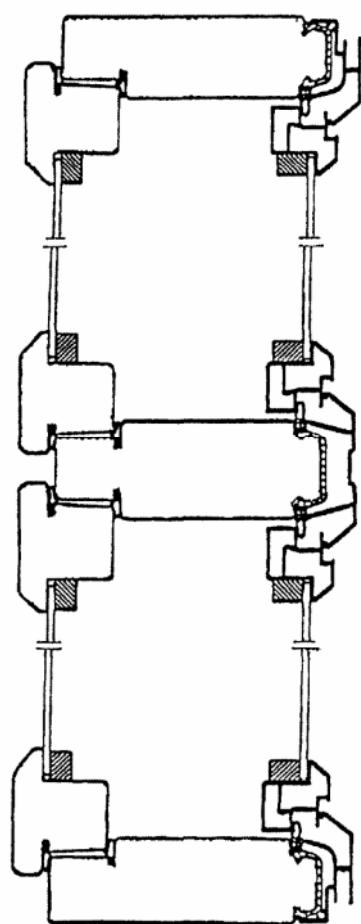


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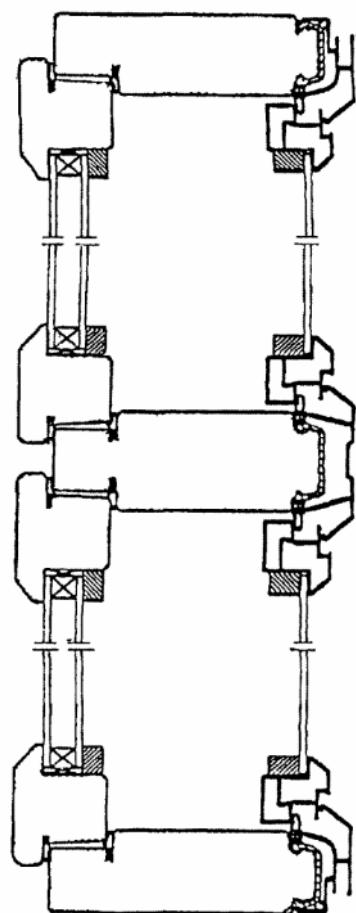
()

()

a



б



4.

()

()

5.

6.

7.

8.

5.1.9.

(

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5.1.10.

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5.1.11.

() .

5.1.12.

.5

5.1.13.

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5.1.14.

5.1.15.

5.1.16.

5.2.
5.2.1.

1.

1

1000 . +/ - 1,0 -1,0 +1,0 +/ - 1,5

1000 . +2,0 +/ - 1,0 +1,0
2000 . -1,0 -0,5

2000 . +2,0 +1,0 +1,5
-1,0 -2,0 -0,5

5.2.2.

1200 . 3 - 1200 . +2,0
-1,0 2

5.2.3.

(, , . .)

5.2.4.

() +/ - 0,4

5.2.5.

; +/ - 3,0 - ; +/ - 1,0 -

5.2.6.

1,5 1 (2,0) 1 (, , ,)

5.2.8.

1,0 2 ,

5.2.9.

()

1 . .
0,5
1,0 . 1

5.2.10.

5.3.

5.3.1.

2.

2

2 ° / , : ,

4 1 + 4 1	0,38
4 1 + 4	0,50
4 1 + (4 1-8-4 1)	0,48
4 1 + (4 1-8 r- 4)	0,68
4 1 + (4 1-8 r- 4)	0,69
4 1 + (4 1-12-4 1)	0,52
4 1 + (4 1-12- 4)	0,63
4 1 + (4 1-12 r- 4)	0,68
4 1 + (4 1-12 r- 4)	0,75
4 1 + (4 1-16-4 1)	0,56
4 1 + (4 1-8-4 1-8-4 1)	0,61
4 1 + (4 1-10-4 1-10-4 1)	0,63
4 1 + (4 1-8-4 1-8- 4)	0,69
4 1 + (4 1-8 r-4 1-8 r- 4)	0,75
4 1 + (4 1-8 r-4 1-8 r- 4)	0,79
4 1 + (4 1-10-4 1-10- 4)	0,73
4 1 + (4 1-10 r-4 1-10 r- 4)	0,79
4 1 + (4 1-10 r-4 1-10 r- 4)	0,83

25

- 28

- 30

(0,30 - 0,45

)

P = 100 , 17

3/(2) ,

20000
1000 <*>

<*>

0,7 .

5% .

5%

1,3

, 0,8 2 ° / .

5.3.2.

3.

3

() ()

100	500
200	900
150	700
250	1000

<*>

250	850
300	1000

<*>

(),

5.3.3.

11

()
4.

4

,	, ,			
	,			
	1000	. 1000 1200	1000	. 1000 1200
1300 .	700	770	980	1080
. 1300 1500 .	750	825	1050	1150
. 1500 1800 .	850	935	1190	1310
2,1 - 2,3 2	970	1070	1360	1500

30%

20%

4

5.4.

5.4.1.

) - 300 (,

140

45°,

5.4.2.
4,0 -
26,0 -

5.4.3. () " " 17005).
5.4.4. () 01.07.2003). 40

2/3

5.4.5. 2 - 3 8 - 10 () 3 - 4 6 - 8).

5.4.6.) 200 - 300 () 120 (

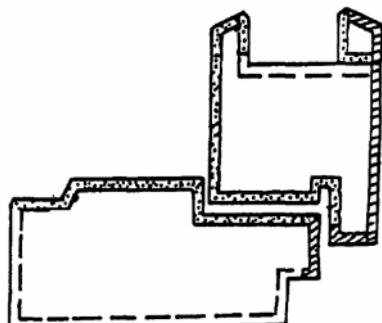
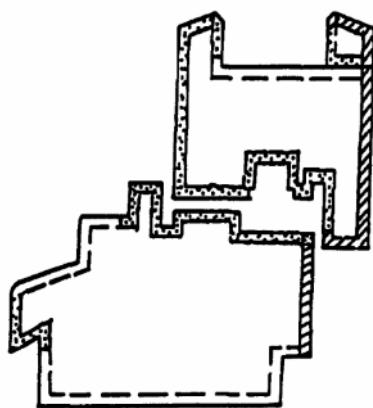
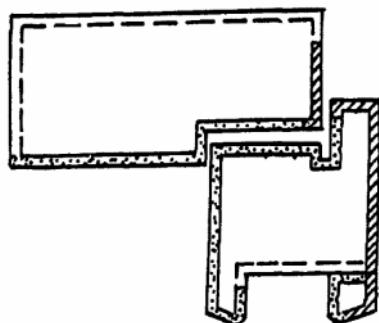
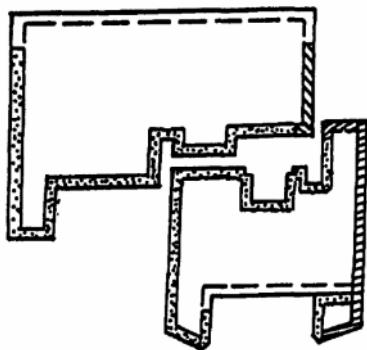
5.4.7. 8486, 30972. 2695,

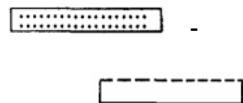
5.4.8.

5.4.9. 8% 14%

5.4.10. 3% (, 8% - 11%).

9.





9.

5.4.11.

,

(I), (II) (III)

5

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5

2140

I

II

III

<*>

1.

, . 1

1.1.

- 10 15 20 25 25
3 . 3 . 3 . 3 . -

1.2.

, 10 10 15 15 20
2 . 3 . 3 . 4 . -

2.

, 1 -

3.

2 3 3 4 5
.

- - 1

1 . - 2 .
- -5 -
- 5

4.

- ,

0,5 1,0 1,0 2,0 4,0

5.

<*> -

6.

30 / 50 /

7.

8.

, , -

9.

-

10. , 2 , , , -

2 5 10 15

	-	<*>			()
		I	II	III	
-	5.2.1 - 5.2.10, 5.4.4	+	+	-	I - (- 6.4), II - (- 6.5)
)	5.5.7, 5.4.13, 5.4.17	+	+	-	I - , II -
	5.4.11, 5.4.12	+	+	-	
	5.6.17	+	+	-	"
-	5.7	+	+	-	"
-	5.6.9, 5.6.10	+	+	-	"
-	5.6.5	-	+	-	
	5.4.9	-	+	-	
-	5.4.15	-	+	-	"
	5.3.3	-	+	+	II - , III -
	5.4.18	-	+	+	"
-	5.3.2	-	-	+	
	5.4.2	-	+	+	
	5.3.1	-	-	+	"
	5.6.14 - 5.6.15	-	-	+	
	5.3.1	-	-	+	
-,-	5.3.1	-	-	+	
	5.3.1	-	-	+	"
-	5.3.3	-	-	+	"
<*> I - ; II - ; III - ,					

6.4.

6.5.

6.6.

6.7.

6.8.

500

6.9.

7.

1 12		3	0
13 - 25	5	3	0
26 - 50	8	4	0
51 - 90	12	5	0
91 - 150	18	7	1
151 - 280	26	10	1
281 - 500	38	14	2

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1,5

(
.),

6.10.

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; ;
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(2);
;

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6.11.

6.12.

7.

7.1.

7.1.1.

7502.

7.1.2.

26433.0

26433.1.

7502,

166,

427

9-

9416

7.1.3.

427,

7.1.4.

2140.

7.1.5.

()

16588

7.1.6.

15612

7.1.7.

,

0,6 - 0,8

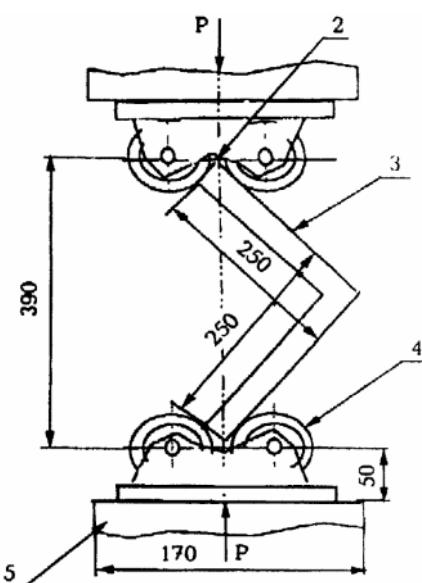
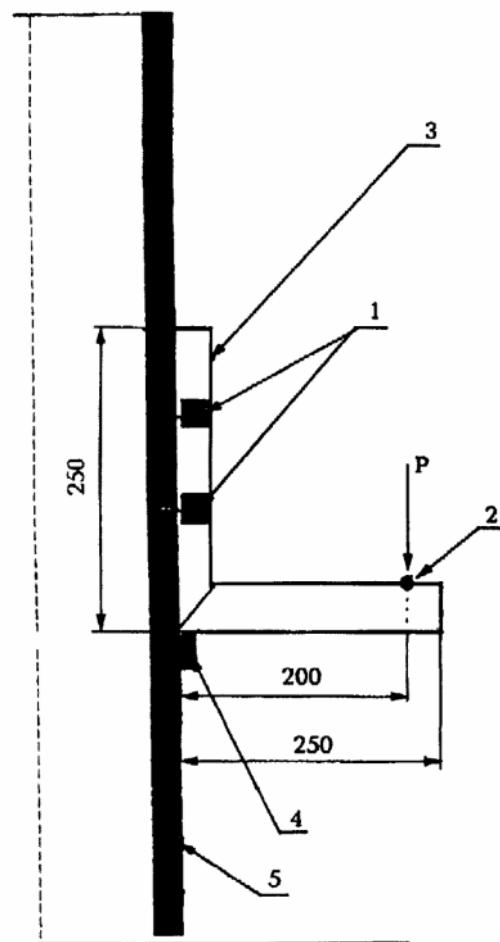
300

7.1.8.

7.2.4.

7.1.10.
11.

(
5.3.3.



1 - ; 2 - ; 3 - ; 4 - (); 5 - ;

11.

(

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11.

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3 .

+/- 10 ; (,),

427;

5.3.3

+/- 2%.

(1200 +/- 25) /

1%;

() ,

7.1.11.

15613.1,

16 ° - 24 °

()
20%

7.1.12.

(500 +/- 5)

20 1 2
20 x 20

(600 +/- 10)

7.1.13.

7.2.

7.2.1.

15613.4.

15613.1.

10

().

20%

5.4.2.

7.2.2.

()
(),

7.1.10 (

15%.

7.2.3.

17005

- 1

(20 +/- 4) ° ;

- 6

(20 +/- 4) ° ;

- 2

(8 +/- 4) ° ;

- 1

(20 +/- 4) ° .

7.2.4.

15140

,

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;

2 x 2 ;

7.2.5.

(),).
26602.1.

7.2.6. 26602.2.
7.2.7. 26602.3.
7.2.8. 26602.4.
7.2.9. 26602.5.
7.2.10. 24033.
7.2.11. ,
7.2.12. ,
7.2.13. 9.401.
7.2.14.

8. 8.
8.1. , 23166.
8.2. - 1

9. 9.
9.1. - , , , ,
9.2. , , , 3

()

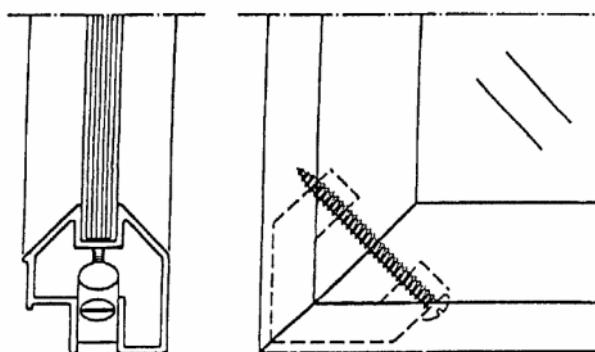
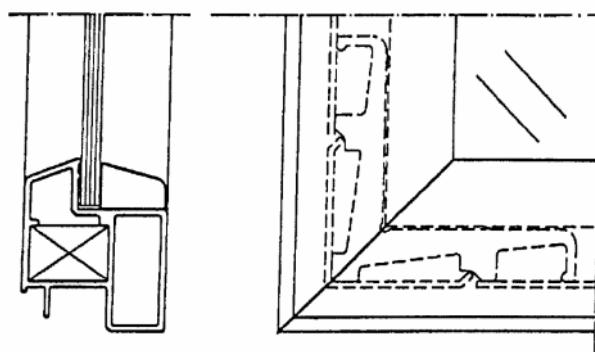
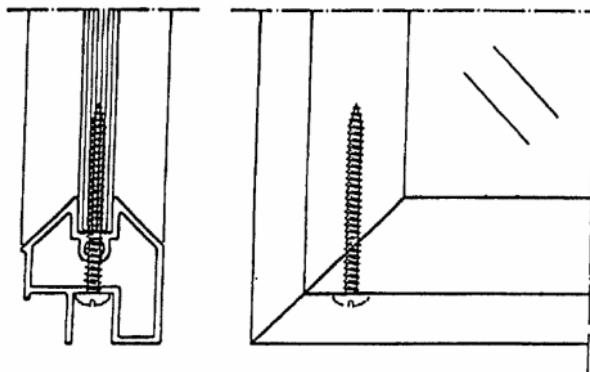
5 x 20 ⁶⁰⁰ (8). 600

1 - 2 20 - 50
20 - 50

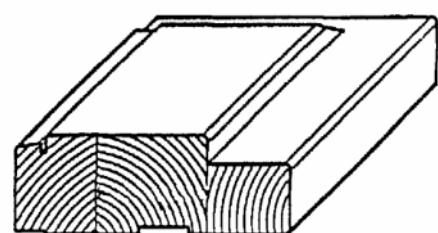
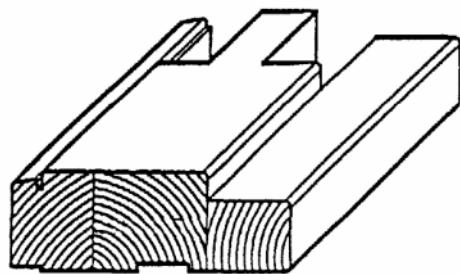
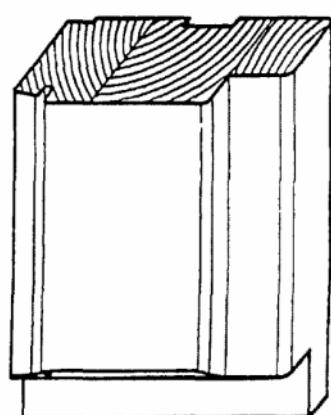
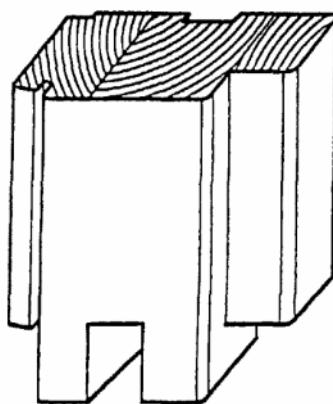
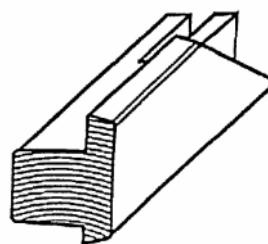
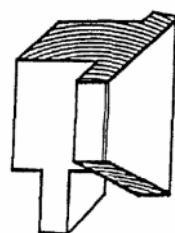
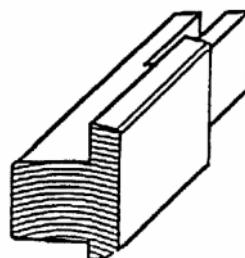
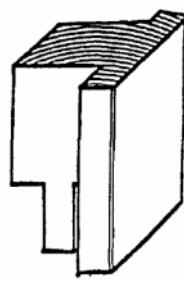
.1, .2.

.1.

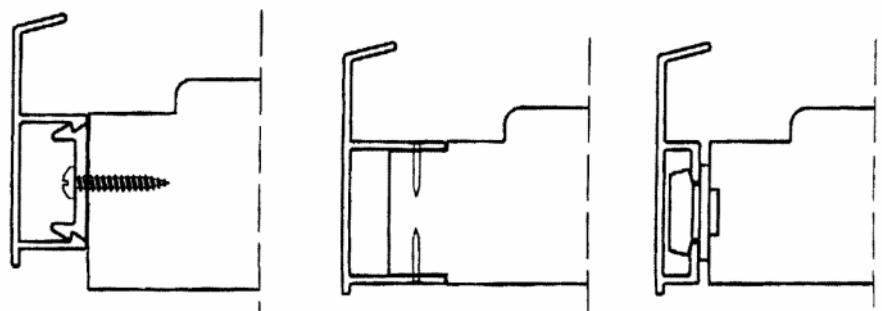
.2.
(, -)
.4. .3,



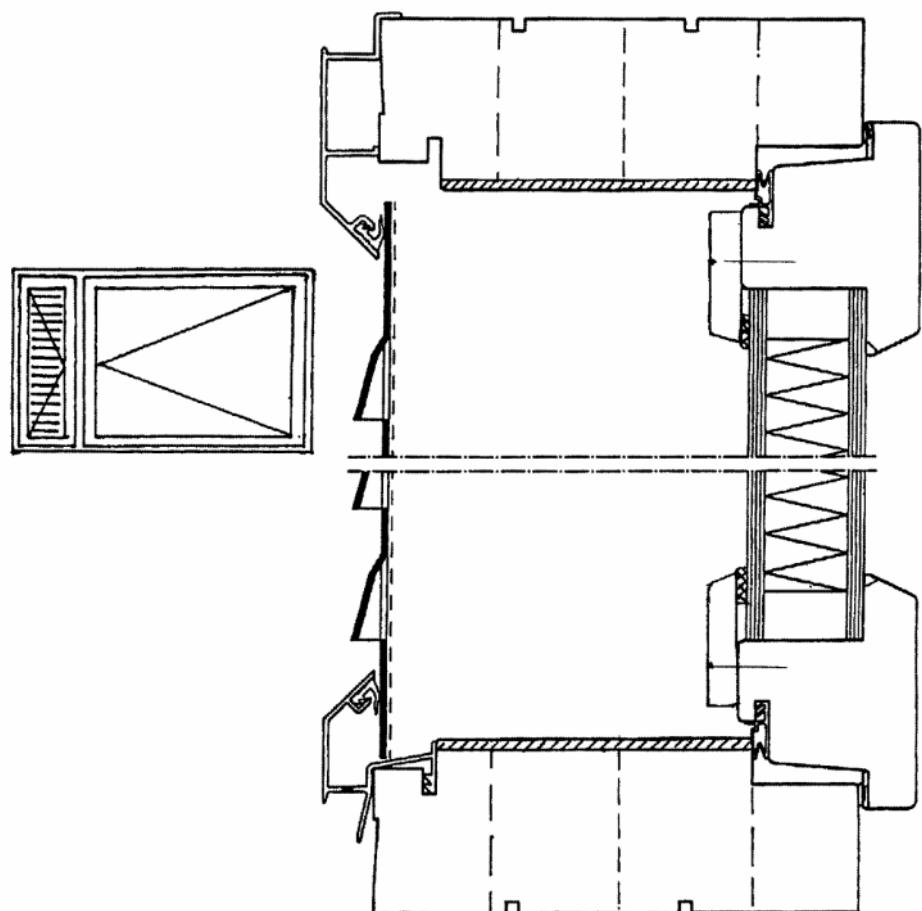
.3.



.4.



.5.



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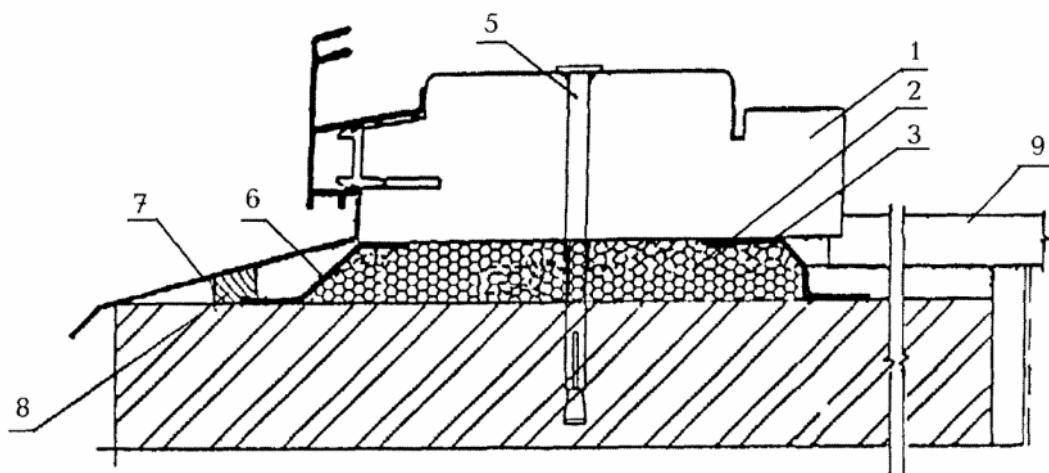
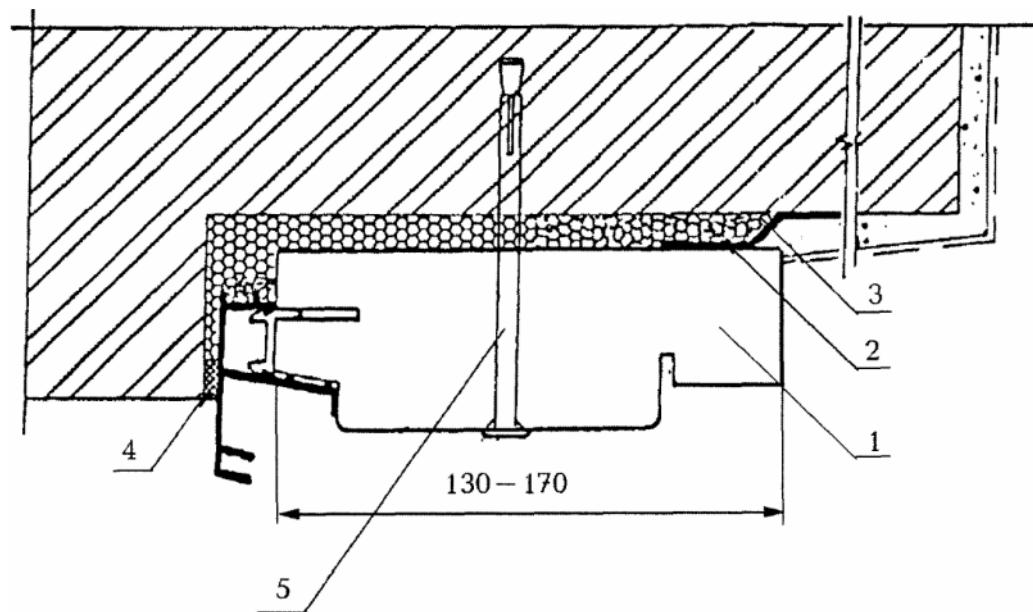
)

.5

()

.1.

()



1 - ; 2 - ;
 3 - ; 4, 5 - ;
 6 - ; 7 - ;
 8 - ; 9 - ;
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.1.

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"",
,"-1",;
, "VTT building and Transport";
, "Finnish association of construction product industries";
A.B.
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B.C.,
