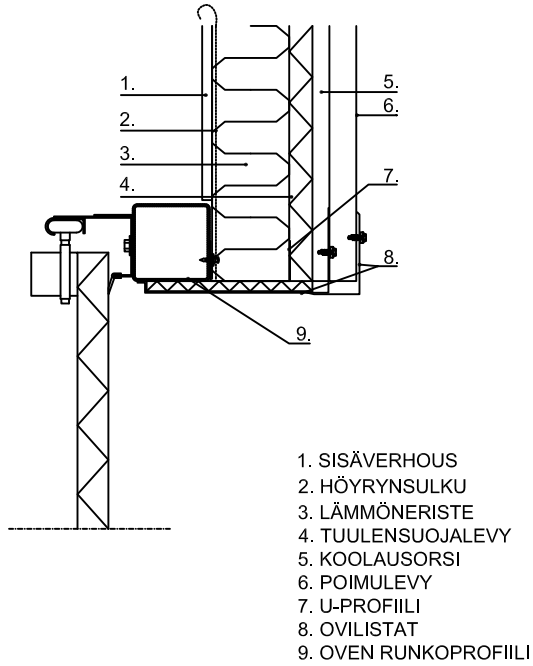


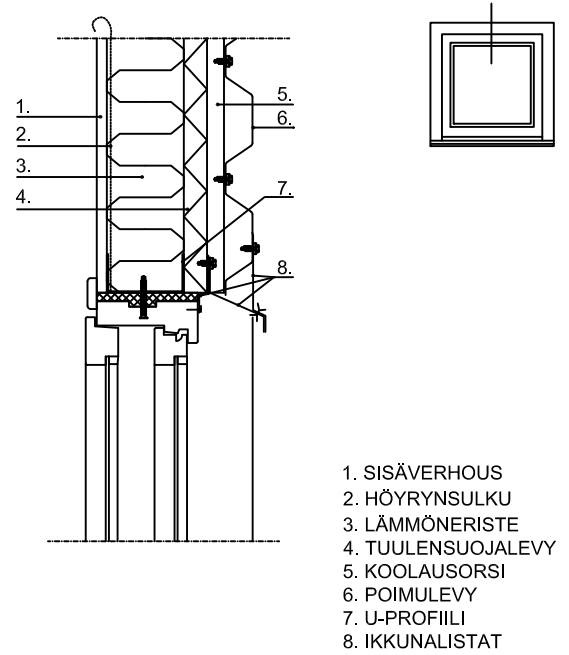


|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS01     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods01.dwg |      |

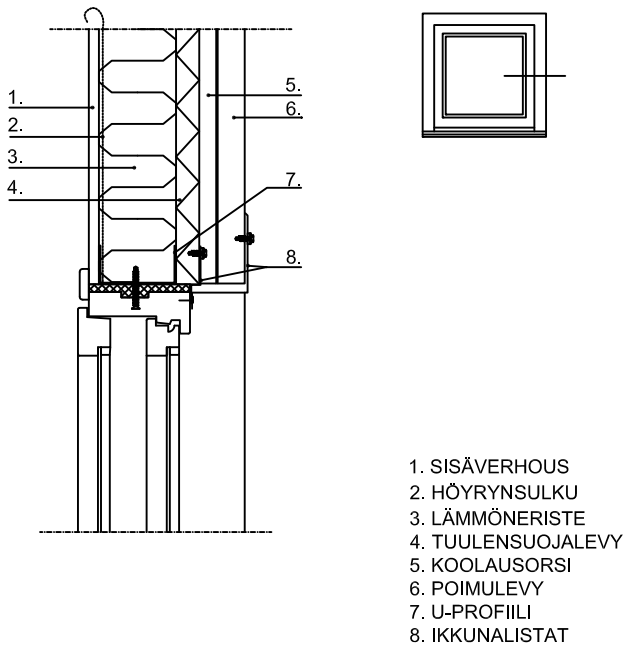
A



B



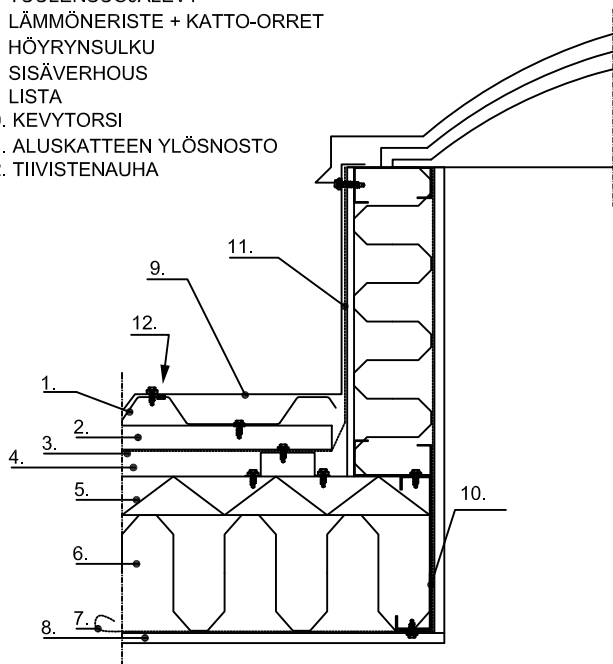
C



|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS02     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods02.dwg |      |

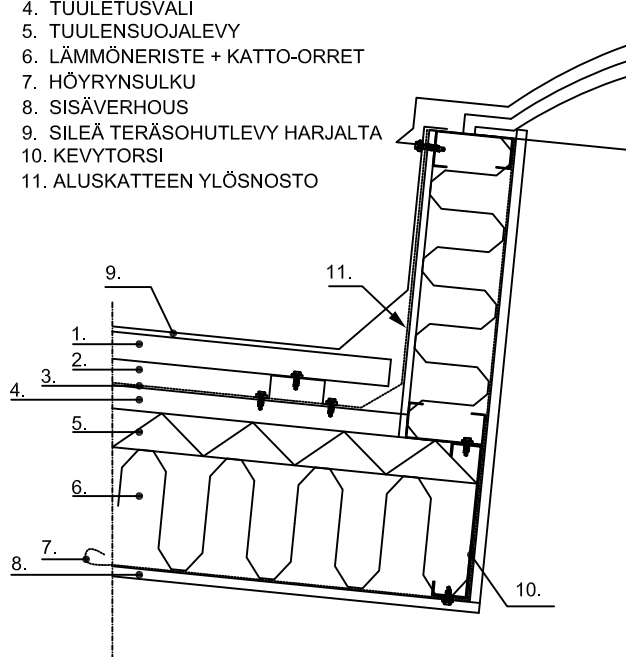
A

1. POIMULEVY
2. KOOLAUSORSI
3. ALUSKATE
4. TUULETUSVÄLI
5. TUULENSUOJALEVY
6. LÄMMÖNERISTE + KATTO-ORRET
7. HÖYRYNSULKU
8. SISÄVERHOUS
9. LISTA
10. KEVYTORSI
11. ALUSKATTEEN YLÖSNOSTO
12. TIIVISTENAUHA

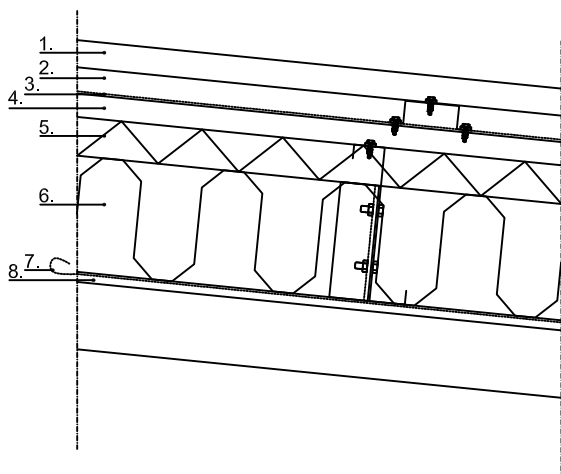


B

1. POIMULEVY
2. KOOLAUSORSI
3. ALUSKATE
4. TUULETUSVÄLI
5. TUULENSUOJALEVY
6. LÄMMÖNERISTE + KATTO-ORRET
7. HÖYRYNSULKU
8. SISÄVERHOUS
9. SILEÄ TERÄSOHUTLEVY HARJALTA
10. KEVYTORSI
11. ALUSKATTEEN YLÖSNOSTO

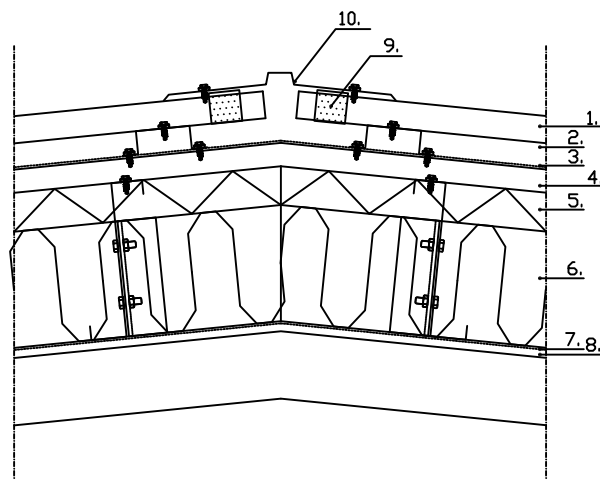


C



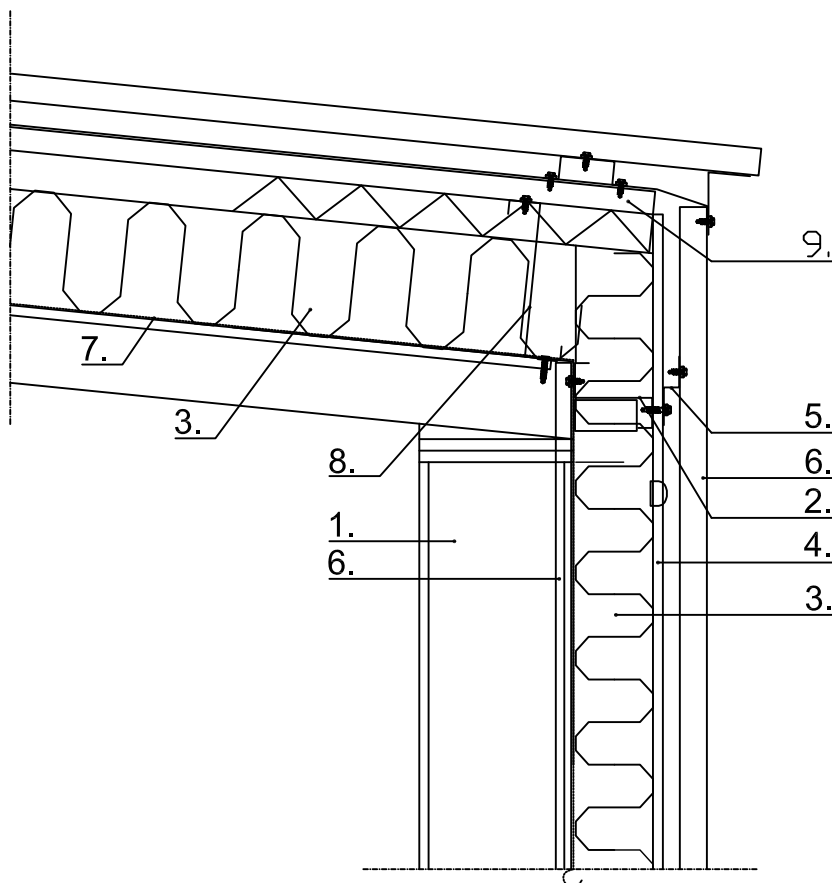
1. POIMULEVY
2. KOOLAUSORSI
3. ALUSKATE
4. KOOLAUSORSI / TUULETUSVÄLI
5. TUULENSUOJALEVY
6. LÄMMÖNERISTE + KATTO-ORRET
7. HÖYRYNSULKU
8. SISÄVERHOUS

D



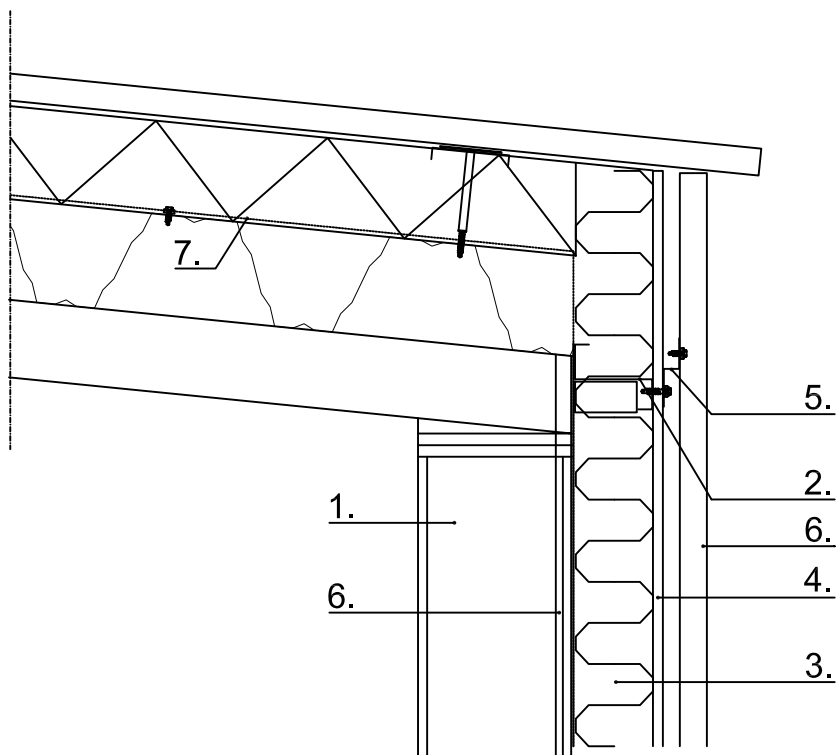
1. POIMULEVY
2. KOOLAUSORSI
3. ALUSKATE
4. KOOLAUSORSI / TUULETUSVÄLI
5. TUULENSUOJALEVY
6. LÄMMÖNERISTE + KATTO-ORRET
7. HÖYRYNSULKU
8. SISÄVERHOUS
9. PROFILIITIIVISTE
10. HARJALISTA

|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS03     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods03.dwg |      |



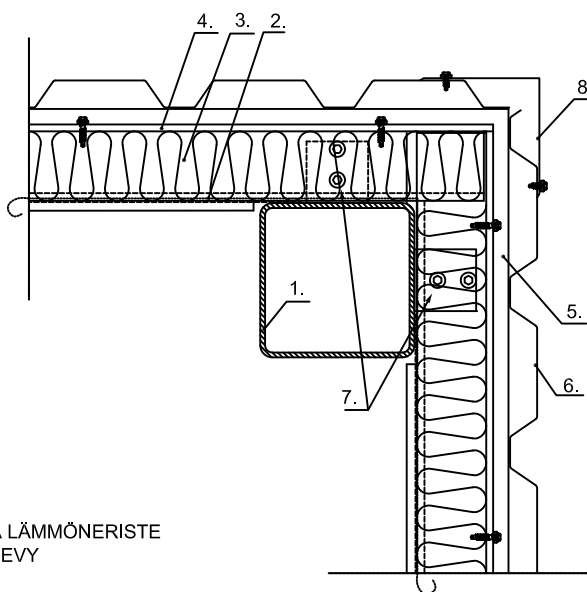
1. RUNKOPILARI
2. SEINÄORSI
3. MINERAALIVILLA
4. TUULENSUOJALEVY
5. Z-PROFIILI
6. POIMULEVY
7. HÖYRYSULKU
8. KATTO-ORSI
9. TUULETUS

|          |            |           |            |          |            |
|----------|------------|-----------|------------|----------|------------|
| Date     | 15.02.2000 | Rev. date | 21.06.2011 | Work nr. | Rev.       |
| Drawn by | Ruukki     | Rev.      | .          | Drw. nr. | RODS04     |
| Scale    | .          | Building  | .          | File nr. | rods04.dwg |

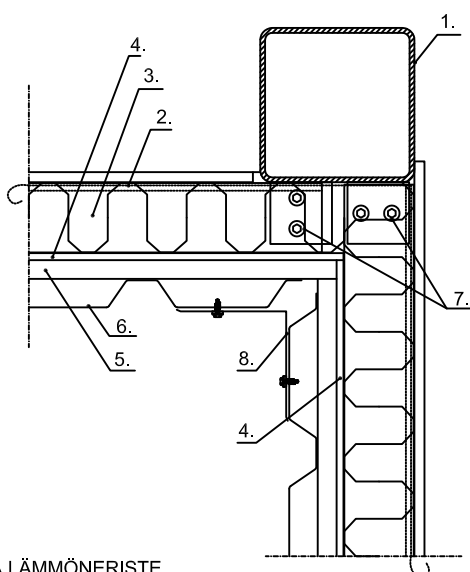


1. RUNKOPILARI
2. SEINÄORSI
3. LÄMMÖNERISTE
4. TUULENSUOJALEVY
5. Z-PROFIILI
6. POIMULEVY
7. HÖYRYNSULKU

|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS05     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods05.dwg |      |



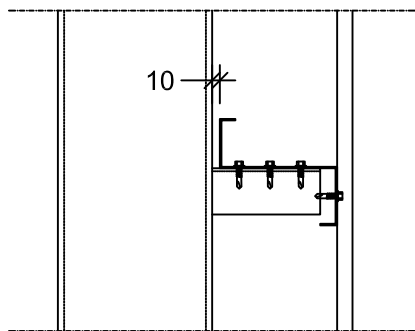
1. RUNKOPILARI
2. HÖYRYNSULKU
3. SEINÄORRET JA LÄMMÖNERISTE
4. TUULENSUOJALEVY
5. KOOLAUSORSI
6. POIMULEVY
7. ORREN PULTTIKIINNITYS
8. NURKKALISTA



1. RUNKOPILARI
2. HÖYRYNSULKU
3. SEINÄORRET JA LÄMMÖNERISTE
4. TUULENSUOJALEVY
5. KOOLAUSORSI
6. POIMULEVY
7. ORREN PULTTIKIINNITYS
8. NURKKALISTA

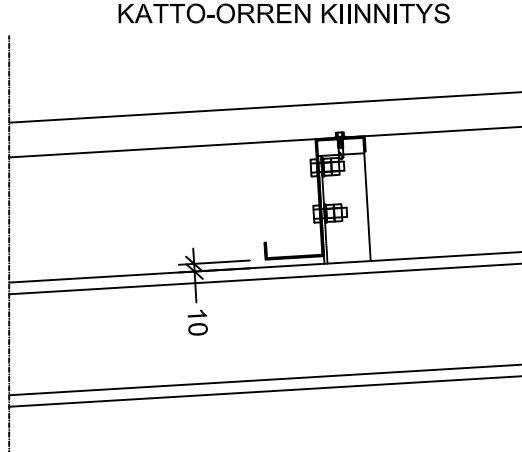
|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS06     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods06.dwg |      |

## A SEINÄORREN KIINNITYS



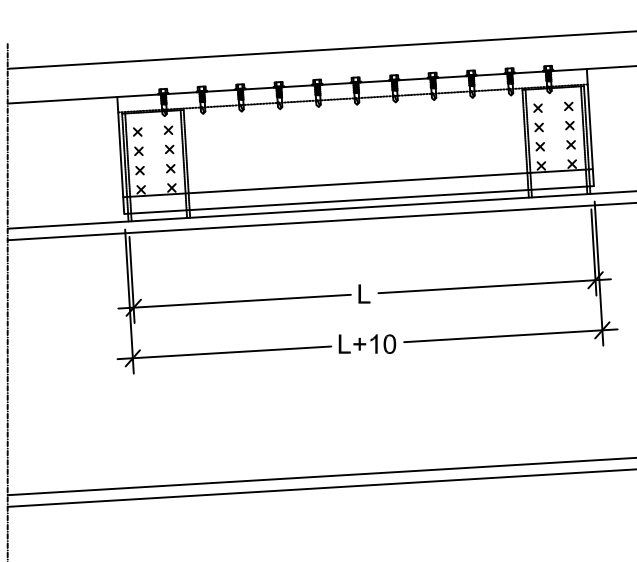
YLI 1,5 mm:n VAHVUISEN ORREN LIITOKSESSA EI SAA KÄYTTÄÄ PORARUUVIA.  
ORSITUKI KYLMÄMUOVATTU U-TERÄS.  
ORREN KIINNITYS U-TERÄKSEEN PORARUUVEIN TAI PULTEILLA.  
ORSITUKI JA KIINNIKEET MITOITETTAVA TAPAUSKOHTAISESTI.

## B KATTO-ORREN KIINNITYS



YLI 1,5 mm:n VAHVUISEN ORREN LIITOKSESSA EI SAA KÄYTTÄÄ PORARUUVIA.  
ORSITUKI KYLMÄMUOVATTU U-TERÄS.  
ORREN KIINNITYS U-TERÄKSEEN PULTEILLA  
ORSITUKI JA KIINNIKEET MITOITETTAVA TAPAUSKOHTAISESTI.

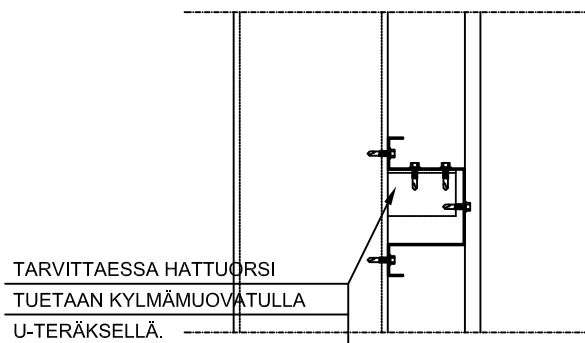
## C LEVYJÄYKISTEKENTTÄ



LEVYJÄYKISTEKENTÄN VAAKAVOIMAT SIIRRETÄÄN RUNGOLLE ORSI-PROFIILIN JA KYLMÄMUOVATTUJEN U-TERÄSTEN VÄLITYKSELLÄ.

ORSITUKI JA KIINNIKEET MITOITETTAVA TAPAUSKOHTAISESTI.

## D SEINÄORREN KIINNITYS



TARVITTAESSA HATTUORSI  
TUETAAN KYLMÄMUOVATULLA  
U-TERÄKSELLÄ.

YLI 1,5 mm:n VAHVUISEN ORREN LIITOKSESSA EI SAA KÄYTTÄÄ PORARUUVIA.  
ORSITUKI KYLMÄMUOVATTU U-TERÄS.  
ORREN KIINNITYS RUNKOON PORARUUVEIN TAI PULTEILLA.

ORSITUKI JA KIINNIKEET MITOITETTAVA TAPAUSKOHTAISESTI.

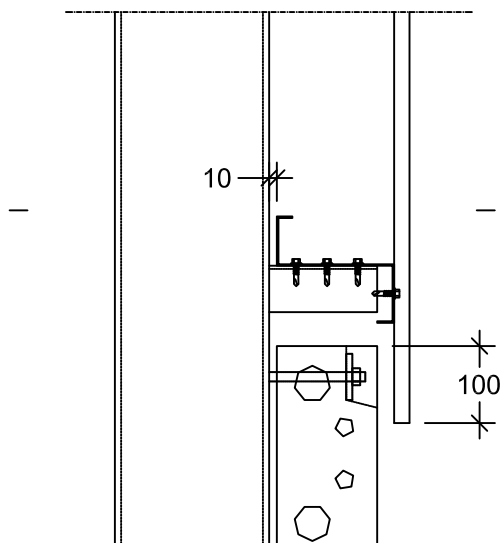


Contents of drawing

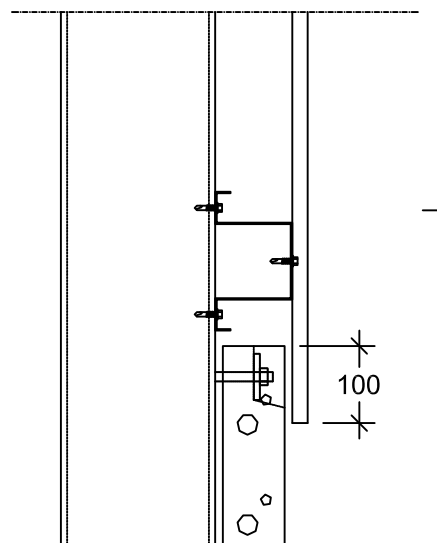
Kevytorsi  
Sokkeliliittymä

|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS07     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods07.dwg |      |

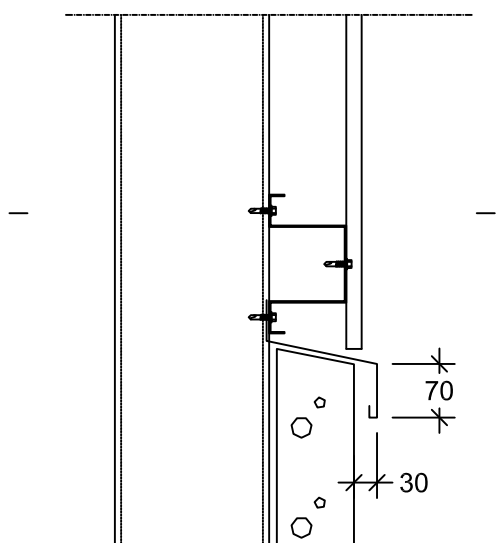
A SOKKELILIITOS, Z-ORSI



B SOKKELILIITOS, HATTUORSI

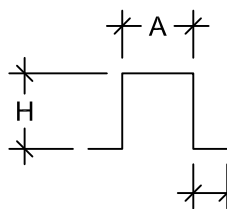
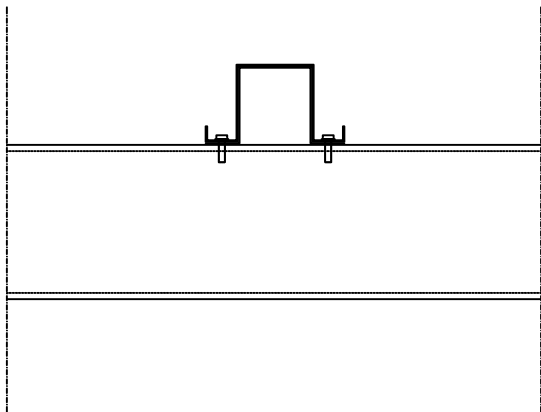


C SOKKELILIITOS, SOKKELILISTA



|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS08     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods08.dwg |      |

## A HATTUORSI, TUKIPALA (H-PROF.)



TUKIKAPPALEEN PITUUS:  
L= h TAI 2\*tuen leveys, PÄÄTYTUELLA  
L= 2\*h TAI 3\*tuen leveys, VÄLITUELLA  
PIDEMPI PITUUSMITTA ON MÄÄRÄÄVÄ.

h= ORREN KORKEUS

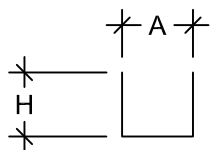
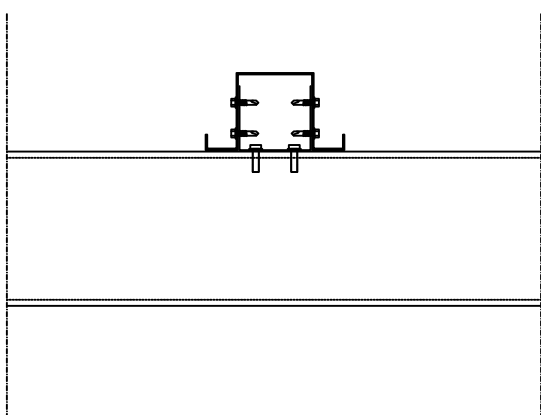
TUKIPALA VALMISTETAAN SAMASTA  
MATERIAALISTA JA AINEVAHVUUDESTA  
KUIN KÄYTETTÄVÄ ORSI.

| ORSI | KÄYTETTÄVÄN TUKIPALAN MITAT |     |    |
|------|-----------------------------|-----|----|
|      | H                           | A   | B  |
| H100 | 95                          | 90  | 40 |
| H125 | 120                         | 90  | 40 |
| H150 | 145                         | 90  | 40 |
| H200 | 195                         | 110 | 50 |
| H250 | 245                         | 110 | 50 |

TUKIPALA JA HATTUORSI KIINNITETÄÄN TERÄSRAKENTEeseen  
KUUSIORUUVein. TUKIPALASSA JA HATTUORRESSA REIÄT  
TARVITTAESSA SEKÄ TERÄSRAKENTEessa KIERTEYTETTY REIKÄ.

KIINNIKKEIDEN MÄÄRÄN, KOON JA SIJAINNIN MÄÄRITTÄÄ  
RAKENNESUUNNITTELIJA.

## C HATTUORSI, TUKIPALA (U-PROF.)



TUKIKAPPALEEN PITUUS:  
L= h TAI 2\*tuen leveys, PÄÄTYTUELLA  
L= 2\*h TAI 3\*tuen leveys, VÄLITUELLA  
PIDEMPI PITUUSMITTA ON MÄÄRÄÄVÄ.

h= ORREN KORKEUS

TUKIPALA VALMISTETAAN SAMASTA  
MATERIAALISTA JA AINEVAHVUUDESTA  
KUIN KÄYTETTÄVÄ ORSI.

| ORSI | KÄYTETTÄVÄN TUKIPALAN MITAT |     |  |
|------|-----------------------------|-----|--|
|      | H                           | A   |  |
| H100 | 95                          | 90  |  |
| H125 | 120                         | 90  |  |
| H150 | 145                         | 90  |  |
| H200 | 195                         | 110 |  |
| H250 | 245                         | 110 |  |

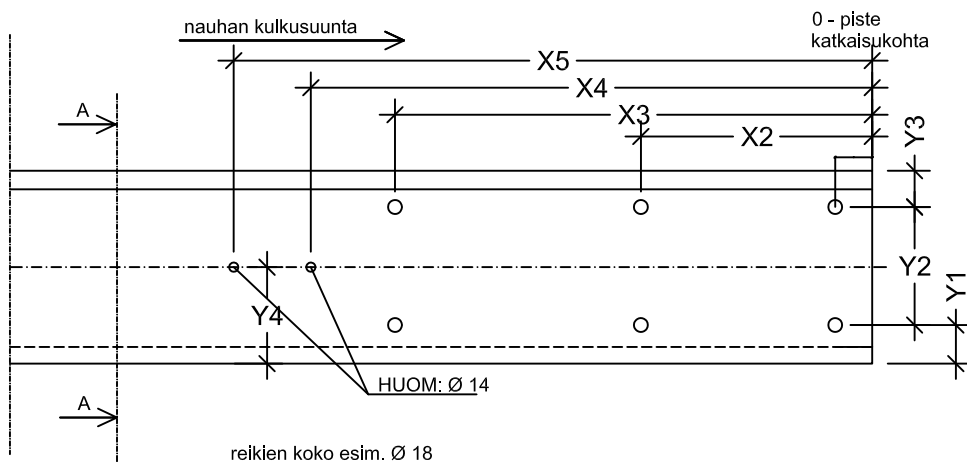
TUKIPALA KIINNITETÄÄN TERÄSRAKENTEeseen KUUSIORUUVein.  
HATTUORSI KIINNITETÄÄN TUKIPALAAN KUUSIORUUVeilla TAI  
ITSEPORAUTUVILLA RUUVeilla.

KIINNIKKEIDEN MÄÄRÄN, KOON JA SIJAINNIN MÄÄRITTÄÄ  
RAKENNESUUNNITTELIJA.

|                    |                         |               |                        |      |
|--------------------|-------------------------|---------------|------------------------|------|
| Date<br>15.02.2000 | Rev. date<br>21.06.2011 | Work nr.<br>. | Drw. nr.<br>RODS09     | Rev. |
| Drawn by<br>Ruukki | Rev.<br>.               |               |                        |      |
| Scale<br>.         | Building                |               | File nr.<br>rods09.dwg |      |

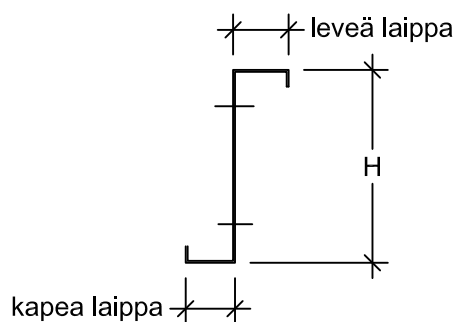
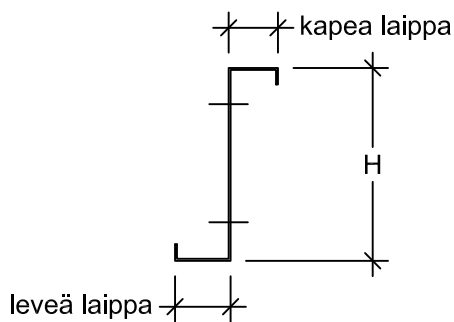
C/Z -ORSIEN MITOITUSPIIRUSTUS (ESIMERKKI)

- MITAT AINA ETÄISYYKSIÄ NOLLAPISTEESTÄ
- LIMITYSTAPA: PÄITTÄIS / JATKETTU / LIMITETY
- HUOM. MITOITUSTAPA AINA OIKEALTA VASEMMALLE
- HUOM. LISÄKSI MERKITTÄVÄ ORREN TYYPPI JA AINEPAKUUUS
- HUOM. PEILIKUVAORSISTA TARVITAA ERILLISET PIIRROKSAET



A - A  
Z/C 100 - Z/C 250

A - A  
Z/C 300



|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS21 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

## RULLAMUOVATTU ORSI

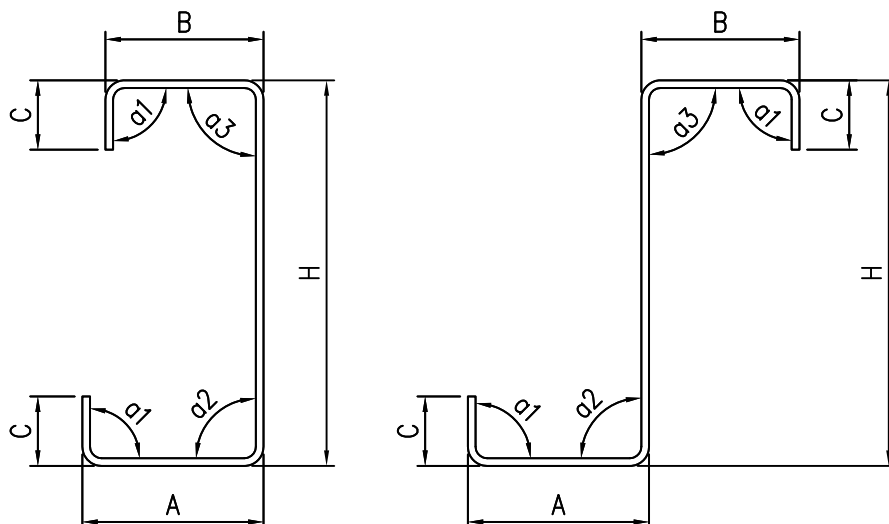
Toleranssit EN 10162 mukaisesti

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,0    | 100,0  | 45,0   | 39,0   | 18,0   | 90     | 90     | 90     |
| 1,2    | 100,0  | 45,4   | 39,4   | 18,0   | 90     | 90     | 90     |
| 1,5    | 100,0  | 46,0   | 40,0   | 18,0   | 90     | 90     | 90     |
| 2,0    | 100,0  | 47,0   | 41,0   | 18,0   | 90     | 90     | 90     |

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,0    | 120,0  | 45,0   | 39,0   | 18,0   | 90     | 90     | 90     |
| 1,2    | 120,0  | 45,4   | 39,4   | 18,0   | 90     | 90     | 90     |
| 1,5    | 120,0  | 46,0   | 40,0   | 18,0   | 90     | 90     | 90     |
| 2,0    | 120,0  | 47,0   | 41,0   | 18,0   | 90     | 90     | 90     |

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,0    | 150,0  | 45,0   | 39,0   | 18,0   | 90     | 90     | 90     |
| 1,2    | 150,0  | 45,4   | 39,4   | 18,0   | 90     | 90     | 90     |
| 1,5    | 150,0  | 46,0   | 40,0   | 18,0   | 90     | 90     | 90     |
| 2,0    | 150,0  | 47,0   | 41,0   | 18,0   | 90     | 90     | 90     |



|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS22 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

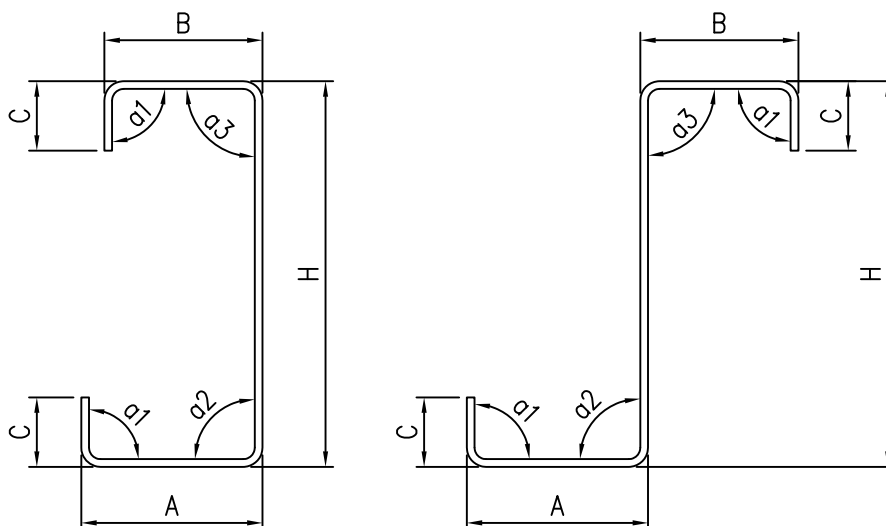
## RULLAMUOVATTU ORSI

Toleranssit EN 10162 mukaisesti

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 200,0  | 70,0   | 62,0   | 26,0   | 90     | 90     | 90     |
| 2,0    | 200,0  | 71,0   | 63,0   | 26,0   | 90     | 90     | 90     |
| 2,5    | 200,0  | 72,0   | 64,0   | 26,0   | 90     | 90     | 90     |
| 3,0    | 200,0  | 73,0   | 65,0   | 26,0   | 90     | 90     | 90     |

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 250,0  | 70,0   | 62,0   | 26,0   | 90     | 90     | 90     |
| 2,0    | 250,0  | 71,0   | 63,0   | 26,0   | 90     | 90     | 90     |
| 2,5    | 250,0  | 72,0   | 64,0   | 26,0   | 90     | 90     | 90     |
| 3,0    | 250,0  | 73,0   | 65,0   | 26,0   | 90     | 90     | 90     |





Contents of drawing

Kevytorsi Z,C-300 & 350  
Mittapiirustus

|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS23 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

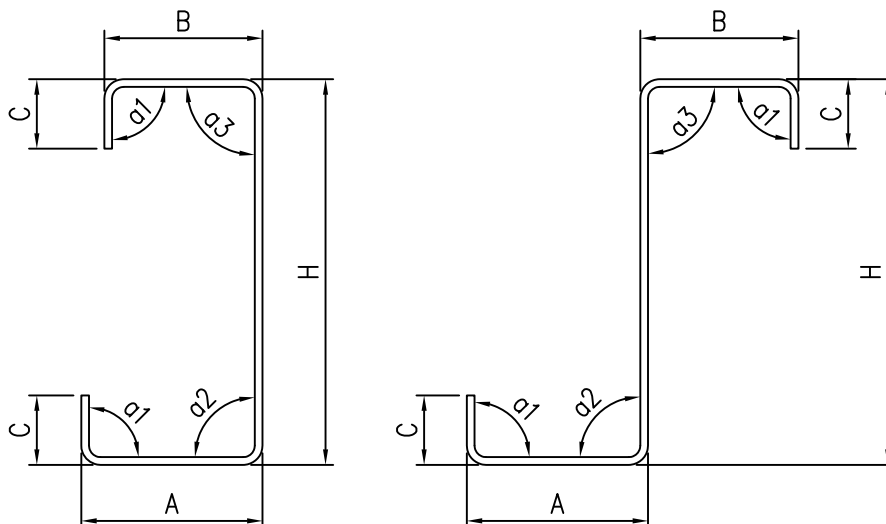
## RULLAMUOVATTU ORSI

Toleranssit EN 10162 mukaisesti

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 300,0  | 89,0   | 81,0   | 26,0   | 90     | 90     | 90     |
| 2,0    | 300,0  | 90,0   | 82,0   | 26,0   | 90     | 90     | 90     |
| 2,5    | 300,0  | 91,0   | 83,0   | 26,0   | 90     | 90     | 90     |
| 3,0    | 300,0  | 92,0   | 84,0   | 26,0   | 90     | 90     | 90     |

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 2,0    | 350,0  | 90,0   | 82,0   | 30,0   | 90     | 90     | 90     |
| 2,5    | 350,0  | 91,0   | 83,0   | 30,0   | 90     | 90     | 90     |
| 3,0    | 350,0  | 92,0   | 84,0   | 30,0   | 90     | 90     | 90     |



|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS31 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

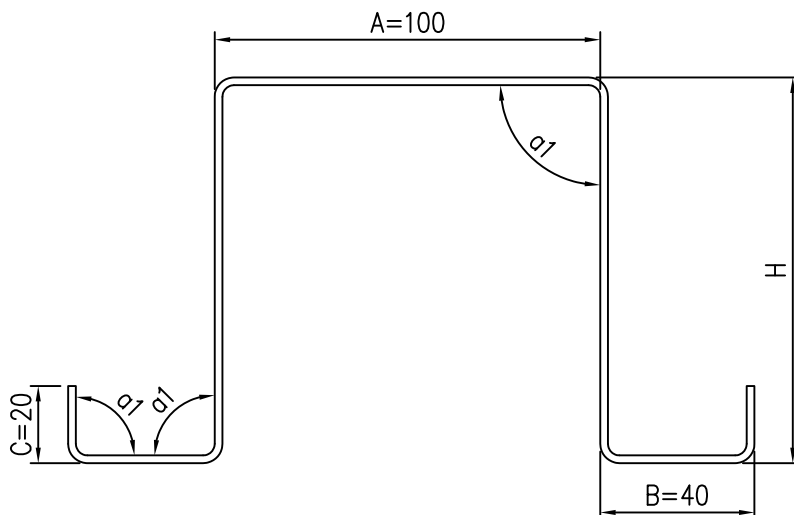
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) |
|--------|--------|--------|--------|--------|--------|
| 1,0    | 100,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,2    | 100,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,5    | 100,0  | 100,0  | 40,0   | 20,0   | 90     |
| 2,0    | 100,0  | 100,0  | 40,0   | 20,0   | 90     |

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) |
|--------|--------|--------|--------|--------|--------|
| 1,0    | 125,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,2    | 125,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,5    | 125,0  | 100,0  | 40,0   | 20,0   | 90     |
| 2,0    | 125,0  | 100,0  | 40,0   | 20,0   | 90     |



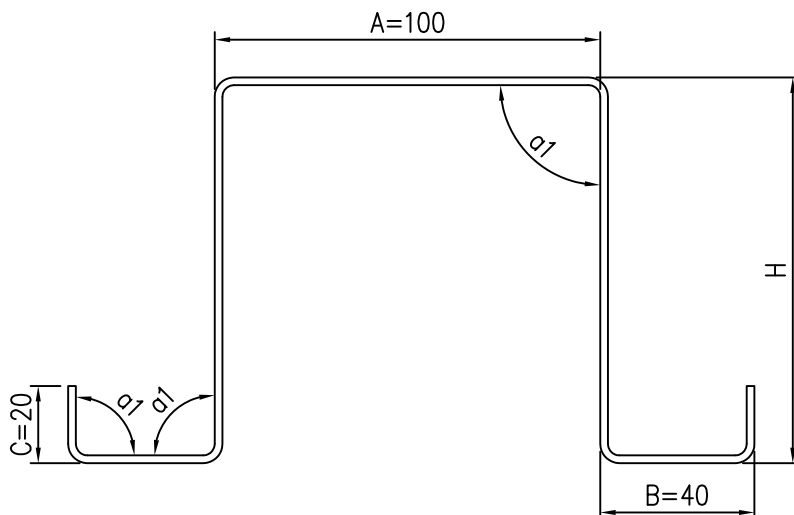
|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS32 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) |
|--------|--------|--------|--------|--------|--------|
| 1,0    | 150,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,2    | 150,0  | 100,0  | 40,0   | 20,0   | 90     |
| 1,5    | 150,0  | 100,0  | 40,0   | 20,0   | 90     |
| 2,0    | 150,0  | 100,0  | 40,0   | 20,0   | 90     |



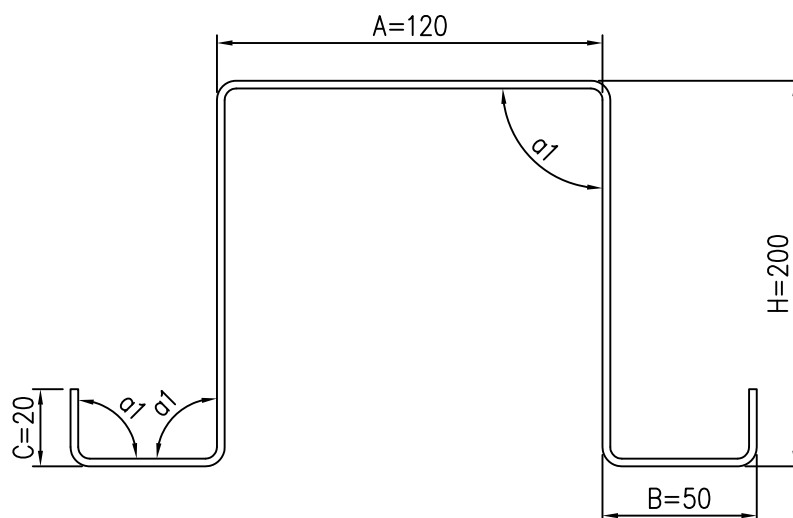
|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS33 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) |
|--------|--------|--------|--------|--------|--------|
| 1,0    | 200,0  | 120    | 50,0   | 20,0   | 90     |
| 1,2    | 200,0  | 120    | 50,0   | 20,0   | 90     |
| 1,5    | 200,0  | 120    | 50,0   | 20,0   | 90     |
| 2,0    | 200,0  | 120    | 50,0   | 20,0   | 90     |



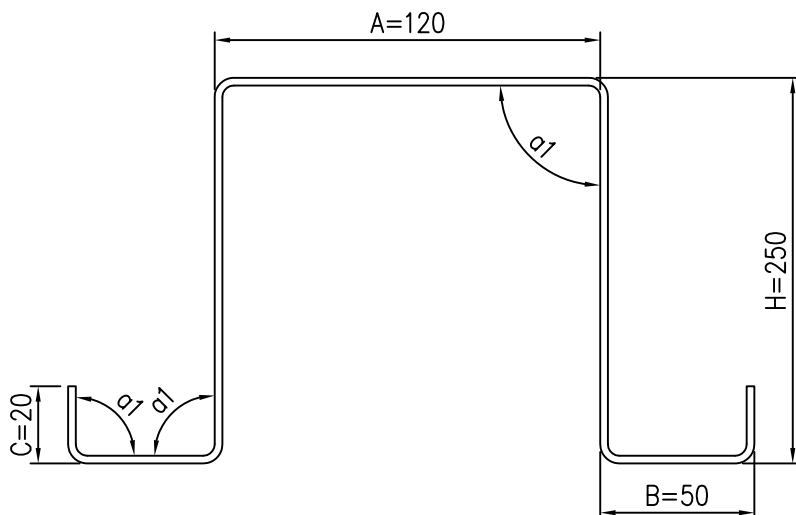
|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS34 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) |
|--------|--------|--------|--------|--------|--------|
| 1,0    | 250,0  | 120    | 50,0   | 20,0   | 90     |
| 1,2    | 250,0  | 120    | 50,0   | 20,0   | 90     |
| 1,5    | 250,0  | 120    | 50,0   | 20,0   | 90     |
| 2,0    | 250,0  | 120    | 50,0   | 20,0   | 90     |



|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS41 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

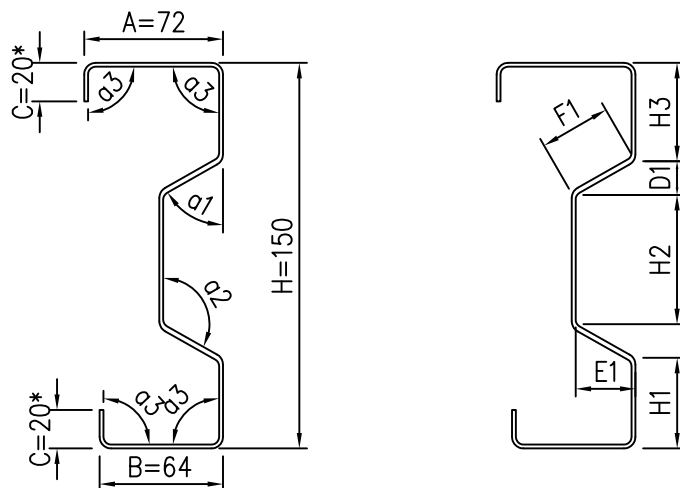
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 150,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,0    | 150,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,5    | 150,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 3,0    | 150,0  | 72,0   | 64,0   | 20,0 * | 61     | 119    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 35,0    | 42,0    | 39,0    | 18,0    | 31,0    | 37,0    |
| 2,0    | 35,0    | 42,0    | 39,0    | 18,0    | 31,0    | 37,0    |
| 2,5    | 35,0    | 42,0    | 39,0    | 18,0    | 31,0    | 37,0    |
| 3,0    | 35,0    | 42,0    | 39,0    | 18,0    | 31,0    | 37,0    |



\* L>7500 mm (t=3,0 mm), C=28 mm

|                   |                         |               |                    |      |
|-------------------|-------------------------|---------------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr.<br>- | Drw. nr.<br>RODS42 | Rev. |
| Drawn by<br>-     | Rev.<br>01              |               |                    |      |
| Scale<br>-        | Building                |               | File nr.           |      |

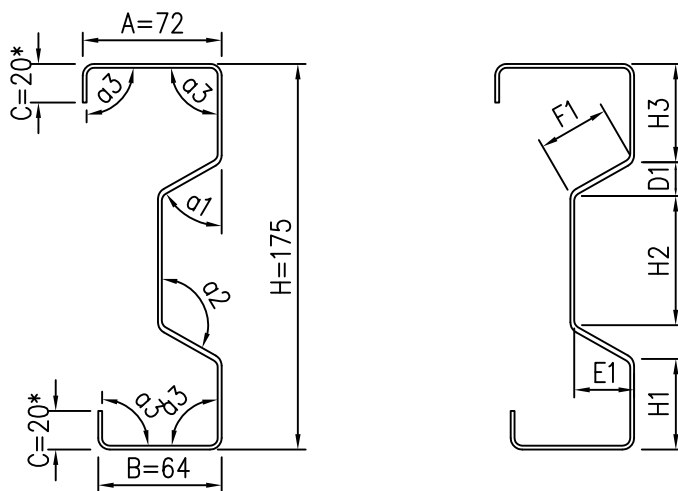
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 175,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,0    | 175,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,5    | 175,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 3,0    | 175,0  | 72,0   | 64,0   | 20,0 * | 61     | 119    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 47,0    | 42,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 2,0    | 47,0    | 42,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 2,5    | 47,0    | 42,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 3,0    | 47,0    | 42,0    | 51,0    | 18,0    | 31,0    | 37,0    |



\* L>7500 mm (t=3,0 mm), C=28 mm

|                   |                         |          |                    |      |
|-------------------|-------------------------|----------|--------------------|------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr. | Drw. nr.<br>RODS43 | Rev. |
| Drawn by<br>-     | Rev.<br>01              | -        |                    |      |
| Scale<br>-        | Building                |          | File nr.           |      |

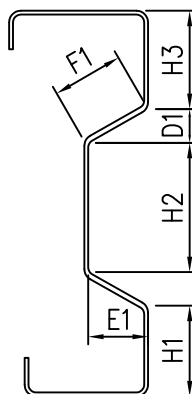
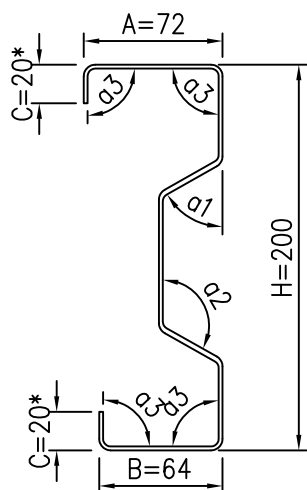
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

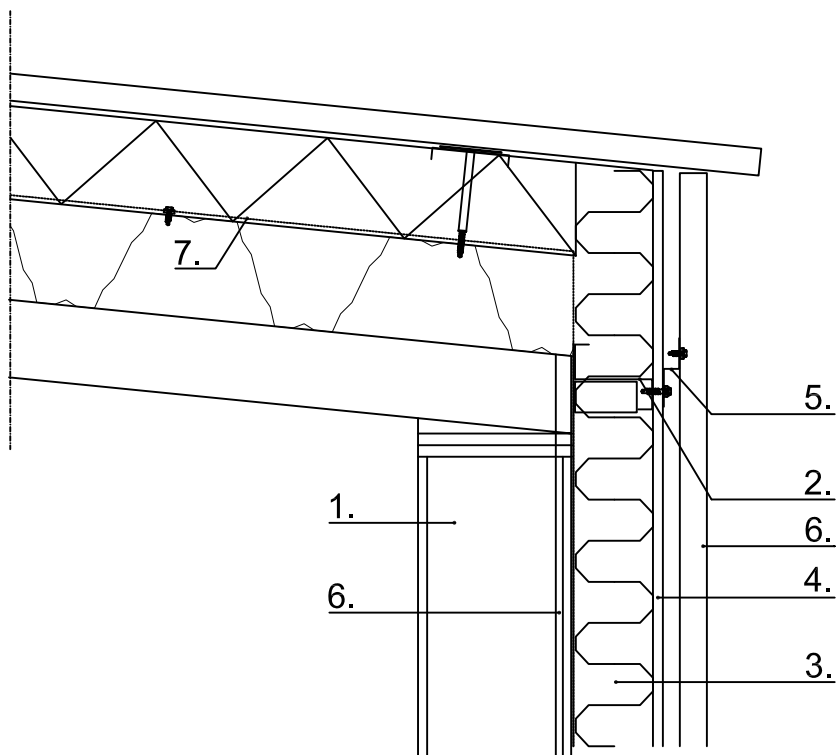
| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 200,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,0    | 200,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 2,5    | 200,0  | 72,0   | 64,0   | 20,0   | 61     | 119    | 90     |
| 3,0    | 200,0  | 72,0   | 64,0   | 20,0 * | 61     | 119    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 47,0    | 67,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 2,0    | 47,0    | 67,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 2,5    | 47,0    | 67,0    | 51,0    | 18,0    | 31,0    | 37,0    |
| 3,0    | 47,0    | 67,0    | 51,0    | 18,0    | 31,0    | 37,0    |



\* L>7500 mm (t=3,0 mm), C=28 mm

|          |            |           |            |          |            |
|----------|------------|-----------|------------|----------|------------|
| Date     | 15.02.2000 | Rev. date | 21.06.2011 | Work nr. | Rev.       |
| Drawn by | Ruukki     | Rev.      | .          | Drw. nr. | RODS04     |
| Scale    | .          | Building  | .          | File nr. | rods04.dwg |



1. RUNKOPILARI
2. SEINÄORSI
3. LÄMMÖNERISTE
4. TUULENSUOJALEVY
5. Z-PROFIILI
6. POIMULEVY
7. HÖYRYNSULKU

|                   |                         |          |                  |
|-------------------|-------------------------|----------|------------------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr. | Drw. nr.<br>Rev. |
| Drawn by<br>-     | Rev.<br>01              | -        | RODS45           |
| Scale<br>-        | Building                |          | File nr.         |

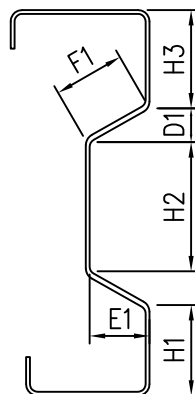
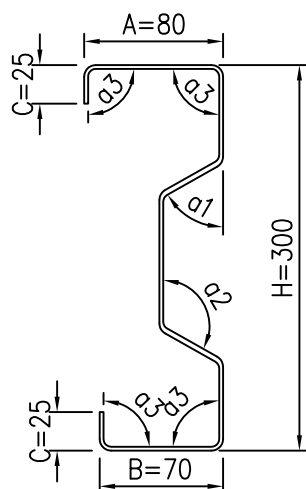
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 300,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,0    | 300,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,5    | 300,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 3,0    | 300,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 60,0    | 139,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,0    | 60,0    | 139,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,5    | 60,0    | 139,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 3,0    | 60,0    | 139,0   | 64,0    | 19,0    | 33,0    | 40,0    |



|                   |                         |          |                  |
|-------------------|-------------------------|----------|------------------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr. | Drw. nr.<br>Rev. |
| Drawn by<br>-     | Rev.<br>01              | -        | RODS46           |
| Scale<br>-        | Building                |          | File nr.         |

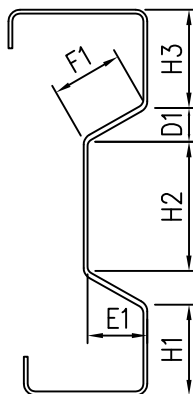
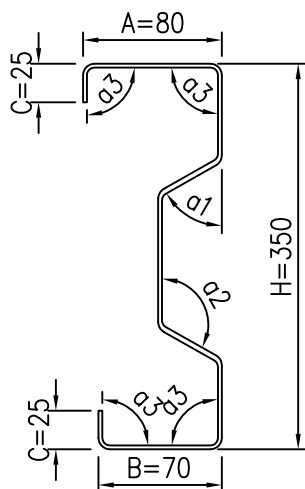
## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 350,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,0    | 350,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,5    | 350,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 3,0    | 350,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 60,0    | 189,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,0    | 60,0    | 189,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,5    | 60,0    | 189,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 3,0    | 60,0    | 189,0   | 64,0    | 19,0    | 33,0    | 40,0    |



|                   |                         |          |                  |
|-------------------|-------------------------|----------|------------------|
| Date<br>29.3.2006 | Rev. date<br>17.12.2009 | Work nr. | Drw. nr.<br>Rev. |
| Drawn by<br>-     | Rev.<br>01              | -        | RODS47           |
| Scale<br>-        | Building                |          | File nr.         |

## SÄRMÄTTY ORSI

Toleranssit EN 10162 ja EN 1090-2 (taulukko D 2.2)

Raaka-aine: S350GD+Z275

| t (mm) | H (mm) | A (mm) | B (mm) | C (mm) | a1 (°) | a2 (°) | a3 (°) |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 1,5    | 400,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,0    | 400,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 2,5    | 400,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |
| 3,0    | 400,0  | 80,0   | 70,0   | 25,0   | 60     | 120    | 90     |

| t (mm) | H1 (mm) | H2 (mm) | H3 (mm) | D1 (mm) | E1 (mm) | F1 (mm) |
|--------|---------|---------|---------|---------|---------|---------|
| 1,5    | 60,0    | 293,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,0    | 60,0    | 293,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 2,5    | 60,0    | 293,0   | 64,0    | 19,0    | 33,0    | 40,0    |
| 3,0    | 60,0    | 293,0   | 64,0    | 19,0    | 33,0    | 40,0    |

