

Technical drawing of a staircase railing cross-section. The drawing shows a vertical railing post (Kaidetolppa) with a handrail (Säle-elementti) and a base plate (Alatuki). The railing is supported by a wooden beam (Törmäyspalkki) and a concrete slab (Kulutuskerros). The drawing includes dimensions in millimeters: 70, 100, 1190, 130, 50, 150, 1220, 113, 150, 700, 80, 180, 363 (368). Labels include: Yläjohde, Säle-elementti, Törmäyspalkki, Puu, Kulutuskerros, Kansilankut, and Alatuki.

Technical drawing of a table showing dimensions. The drawing includes a top view and a side view. The top view shows a rectangular table with a grid pattern on the top surface. The dimensions are labeled as follows: Säleverkko: 100 (width of the top surface), 1785 (length of the top surface), 58 (width of the table legs), and 1190 (height of the table legs).

Technical drawing of a vertical metal profile with dimensions and labels:

- DET 1**: Points to the top corner detail.
- DET 2**: Points to the bottom corner detail.
- Kulmateräs: 50x50x5**: Three labels pointing to the top, middle, and bottom horizontal sections of the profile.
- Hitsattu verkko: jako/lanka 30x30/5**: Points to the vertical section of the profile.
- Dimensions**:
  - Top horizontal section: 50
  - Vertical section: 574, 1100
  - Bottom horizontal section: 50
  - Bottom corner detail: 20
  - Overall height: 665, 1200

Reikä Ø12

30 20

30 20

Levy: 45x45x10

Technical drawing of a corner bracket. The drawing shows a profile of a bracket with a horizontal leg of length 20 and a vertical leg of height 50. A diagonal line with an arrow points to the corner joint.

Vaakalangat, joka toinen lanka hitsataan pystysukulmateriaksiin, pystylangat hitsataan vaakakulmateriaksiin vastaavasti, pieni a3, hitsin pituus 25 mm

Kierretanko M10 L210  
kaidetolppaan

Kuusiomutteri M10  
Aluslaatta 10

18

33

Kaidetolppa

Kuusiomutteri M10  
Pyöreä aluslaatta 10

Technical drawing showing the connection between a window frame and a wall. The drawing includes labels for various components and their dimensions:

- Soikea reikä** (Rectangular hole)
- Kuusioruuvi M10 L=50** (Screw)
- Alustaatta D30, paksuus 8 mm, reikä 12 mm** (Base plate)
- Alustaatta 10** (Base plate)
- 2xKuusiomutteri M10** (Washers)
- Kaidetolppa** (Sill plate)
- Kuusioruuvi M10 L=40** (Screw)
- 2xAlustaatta 10** (Base plate)
- Kuusiomutteri M10** (Washer)
- Teräslevy t=10** (Steel plate)
- 28** (Dimension)
- Kaidetolpan jalka** (Sill plate base)
- Siipimuurin yläpinta** (Wing wall top surface)

Technical drawing of a roof structure (K1) showing a cross-section with dimensions. The drawing includes a grid and various measurements for height, width, and slope. Key dimensions include a total width of 1850, a base width of 1824, and a peak height of 1074. The roof slope is indicated as 9.0 degrees. Materials specified include PL45x45x10 for the roof plate and Reikä Ø12 and Reikä Ø12x22 for reinforcement.

Technical drawing of a rectangular plate with a grid pattern. The overall dimensions are 1850 mm by 1100 mm. The plate is made of PL45x45x10. The grid pattern is defined by dimensions: 50 mm for the main grid cells, 25 mm for the inner margins, and 50 mm for the outer margins. The plate is supported by a base with a 40 mm gap and a 50 mm offset. The drawing includes a 30-degree angle dimension for the support structure.

Technical drawing of a rectangular metal mesh structure. The overall dimensions are 1850 mm in width and 1100 mm in height. The structure consists of a central mesh area (Reikä Ø12x22) surrounded by a frame. The frame is made of PL45x45x10 metal plate. The mesh area is 1844 mm wide and 1100 mm high. The frame thickness is 4.9 mm. The mesh opening is 19 mm. The frame is reinforced with 50 mm wide strips. The corner reinforcement is 25 mm wide. The overall width including the side strips is 1884 mm. The overall height including the top and bottom strips is 1150 mm. The corner reinforcement is 40 mm wide. The corner reinforcement is 90°.

**K2**

PL45x45x10

1850

PL45x45x10

PL45x45x10

50

51

40

50

1100

20

50

1074

64

25

50

40

49

50

1844

Reikä Ø12x22

PL45x45x10

Technical drawing of a rectangular frame assembly. The overall dimensions are 1850 mm in width and 1100 mm in height. The frame is constructed from four L-shaped corner brackets, labeled PL 45x45x10, which are 45 mm wide, 45 mm high, and 10 mm thick. The frame is filled with a grid of 10 mm x 10 mm mesh. The mesh is held in place by four 45x45x10 corner brackets at the corners. The dimensions of the mesh opening are 1850 mm by 1100 mm. The frame is shown in a perspective view with a 90° angle indicated at the bottom-left corner. The drawing includes various dimension lines and labels for the components and dimensions.

Technical drawing of a roof structure. The drawing shows a trapezoidal roof with a 9° slope. Key dimensions include a total width of 1824, a total height of 1075, and a sloped length of 1946. Materials specified are PL 45x45x10 for the roof plates and Reikä Ø12 for the structural members. Various offsets and clearances are indicated, such as 15, 25, 50, 75, 19, 40, and 50.

Technical cross-section drawing of a window frame assembly. The drawing shows a window frame with a central pane. Labels in Finnish point to various components: 'Kaidetolpan jalka' (sill plate), 'Siipimuurin ulkopinta' (outer surface of the wing wall), 'Kaidetolppa' (sill plate), 'Törmäyspalkki' (stop bar), and 'Siipimuurin sisäpinta' (inner surface of the wing wall). A scale bar at the bottom left indicates a length of 1 unit.

2

Säle-elementti

Teräslevy  $t=10$

Kaidetolpan jalka

2

| KAIDE | a  |
|-------|----|
| K1    | 22 |
| K2    | 22 |
| K3    | 16 |
| K4    | 9  |
| K5    | 3  |
| K6    | 3  |
| K7    | 9  |
| K8    | 16 |
| K9    | 22 |
| K10   | 22 |

|        |  |
|--------|--|
| Kuorma | KL/5.9.2014, Onnettomuustilanteen kuorma 260 kN teli,<br>akseliväli 1,2 m, rengaskuormien raideleveys 2 m. |
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