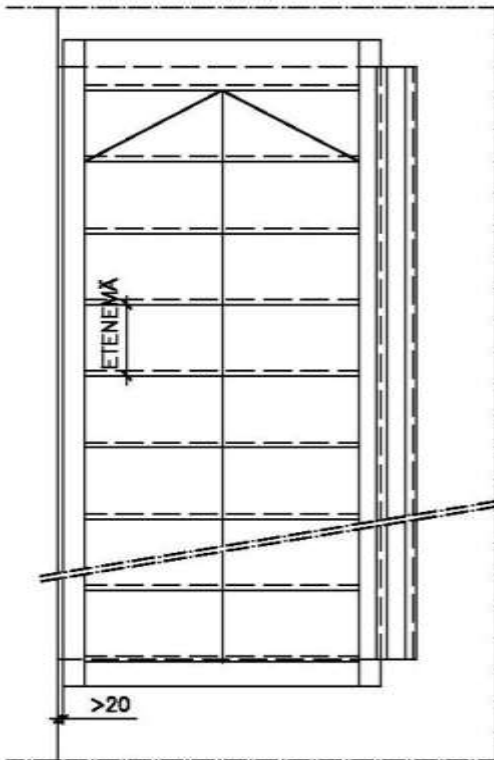
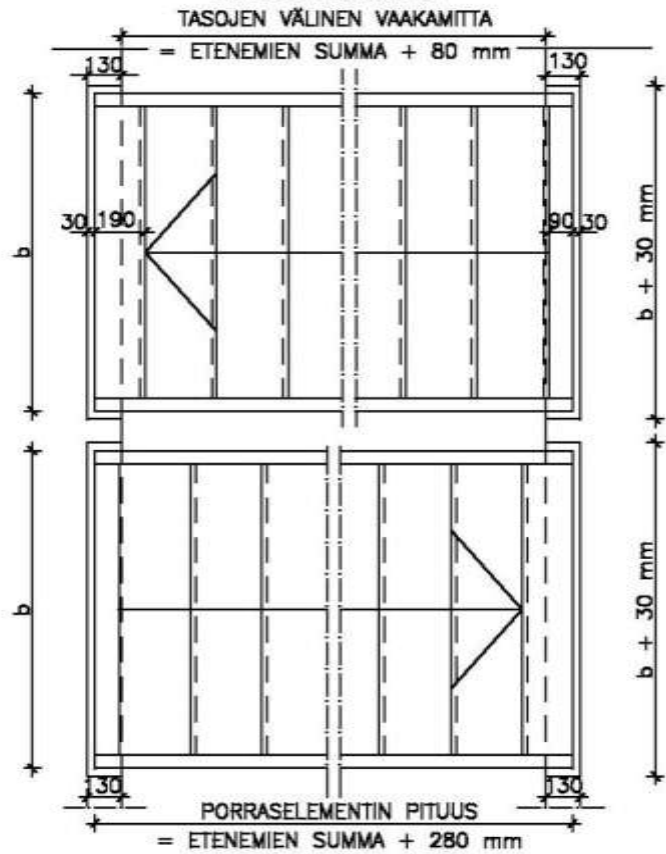


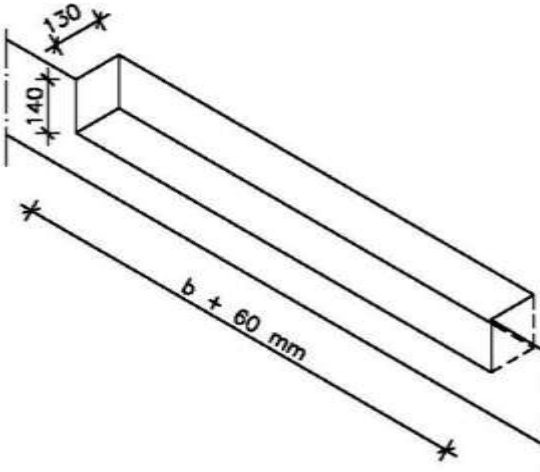
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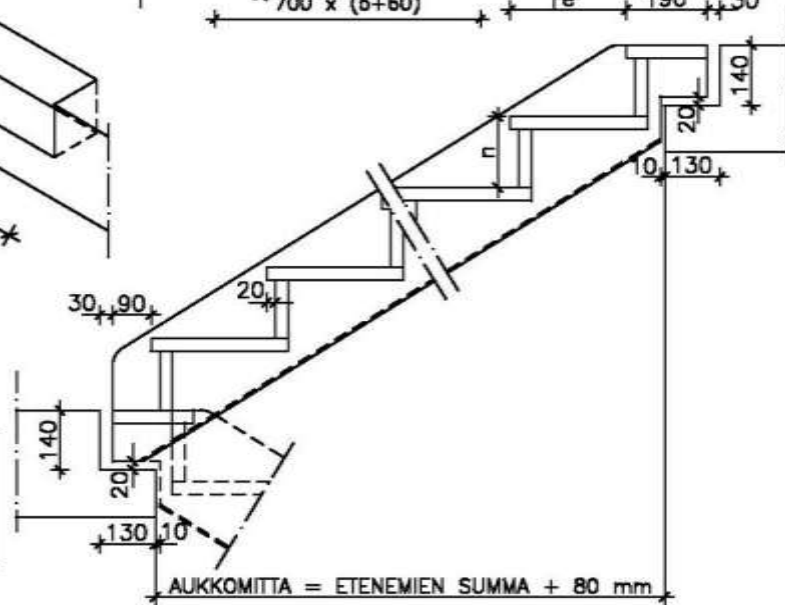
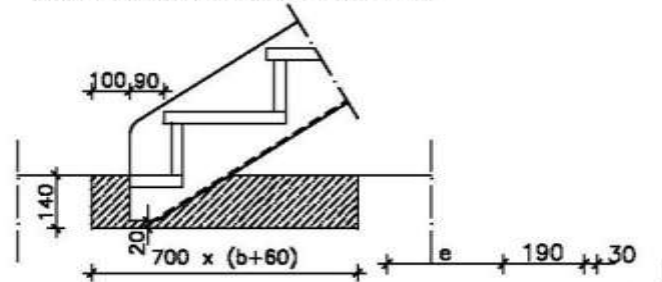
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ALA- JA YLÄPÄÄN ASENNUSKOLO

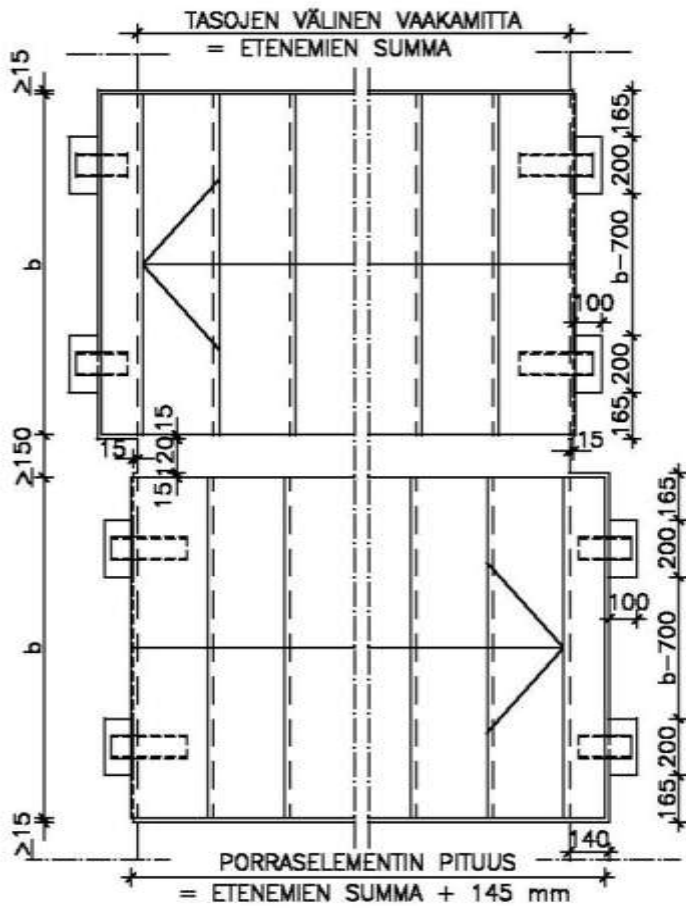


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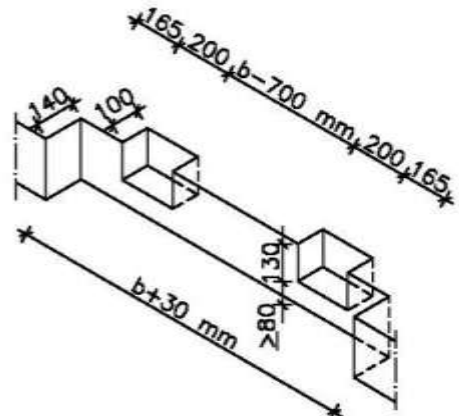


HUOM!
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI

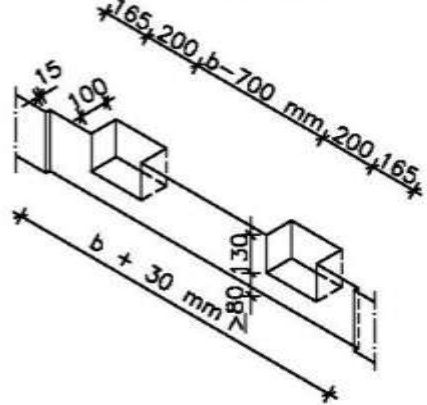
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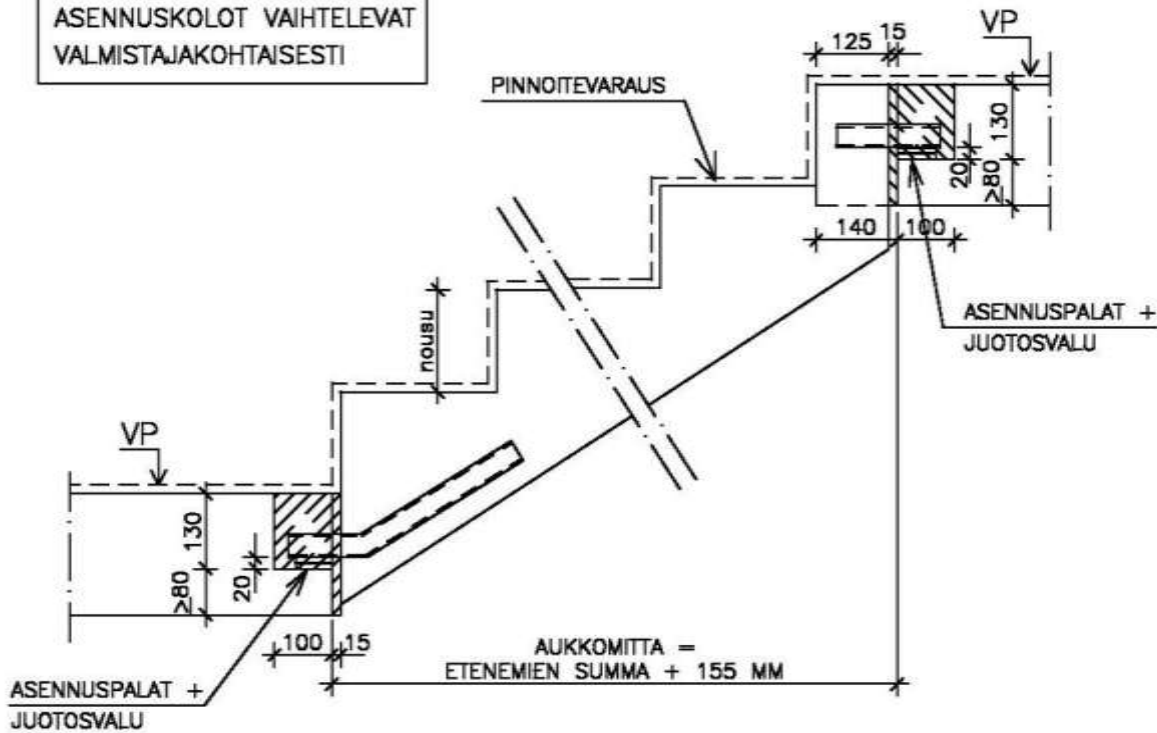
YLÄPÄÄN ASENNUSKOLO



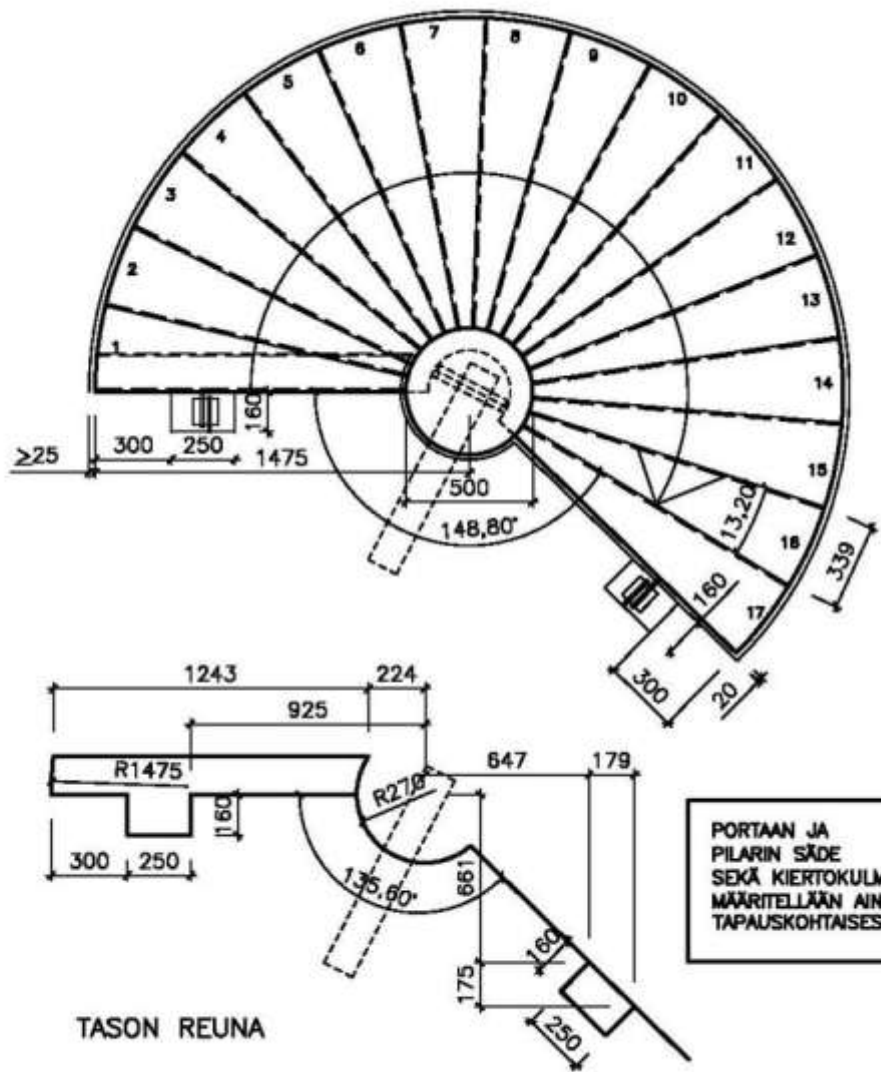
ALAPÄÄN ASENNUSKOLO



HUOM!
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI



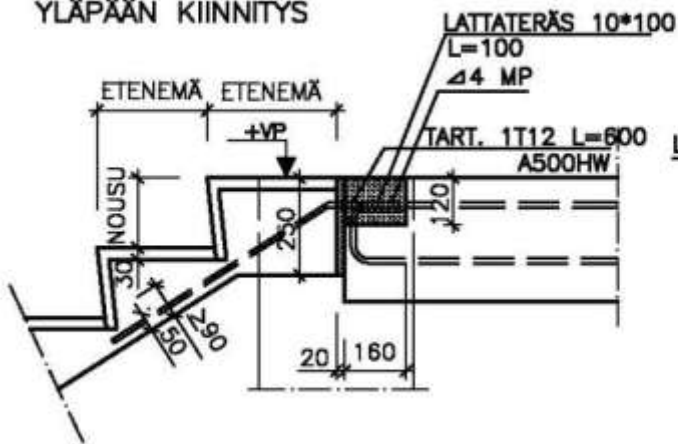
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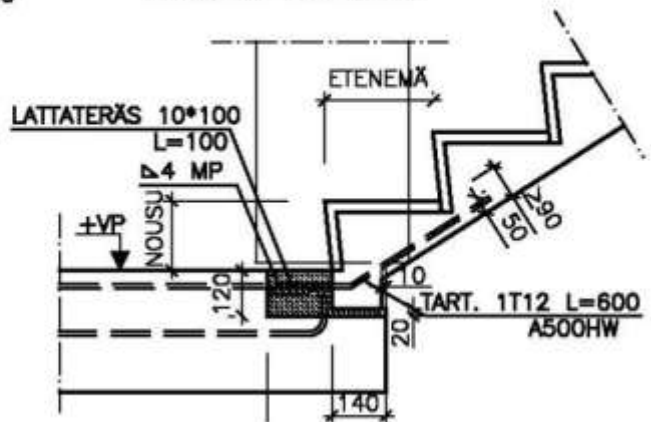
TASON REUNA

HUOMI
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI

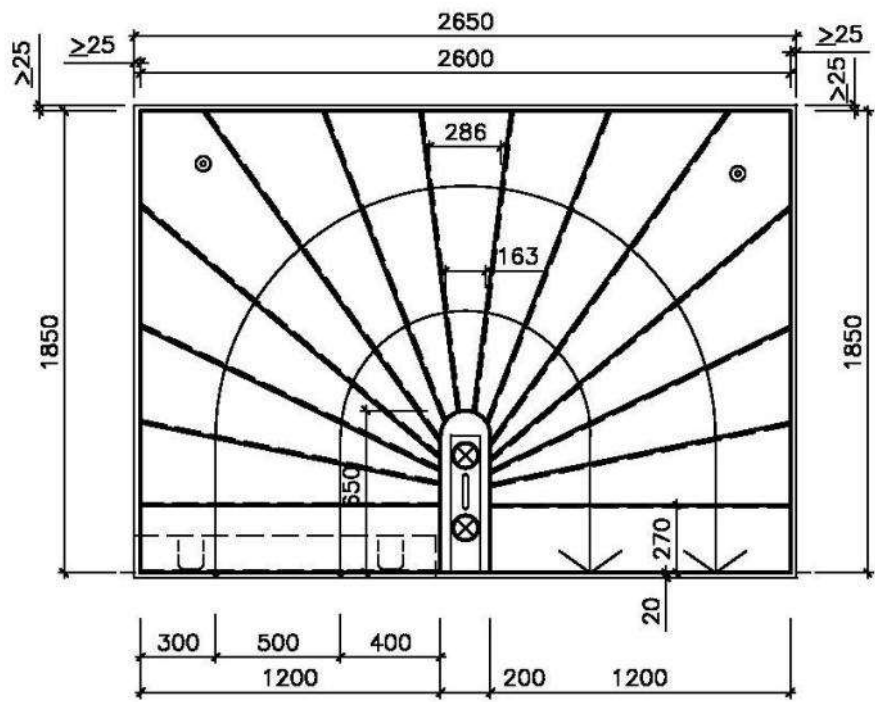
YLÄPÄÄN KIINNITYS



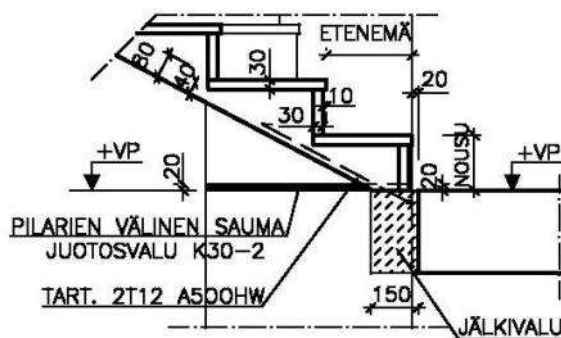
ALAPÄÄN KIINNITYS



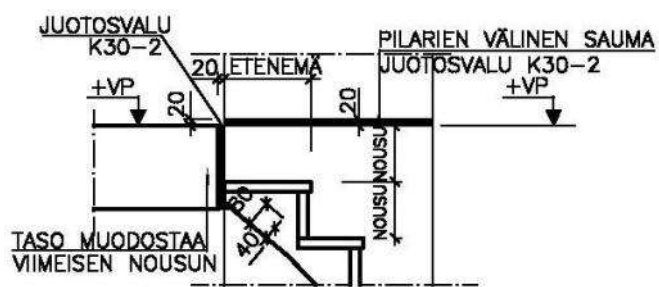
Kuva 7 Pilarillinen umpikierreporras



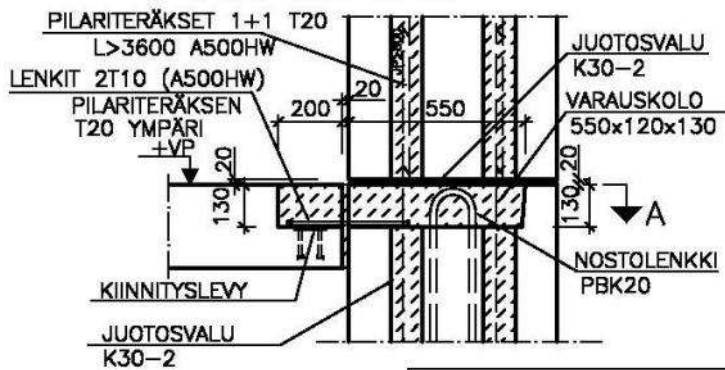
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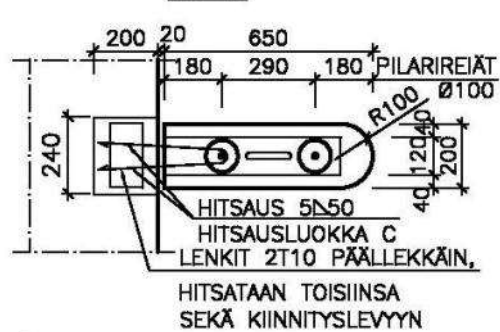
YLÄPÄÄN LIITOS TASOON



PILARIN LIITOS TASOON

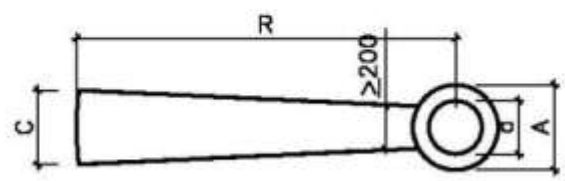
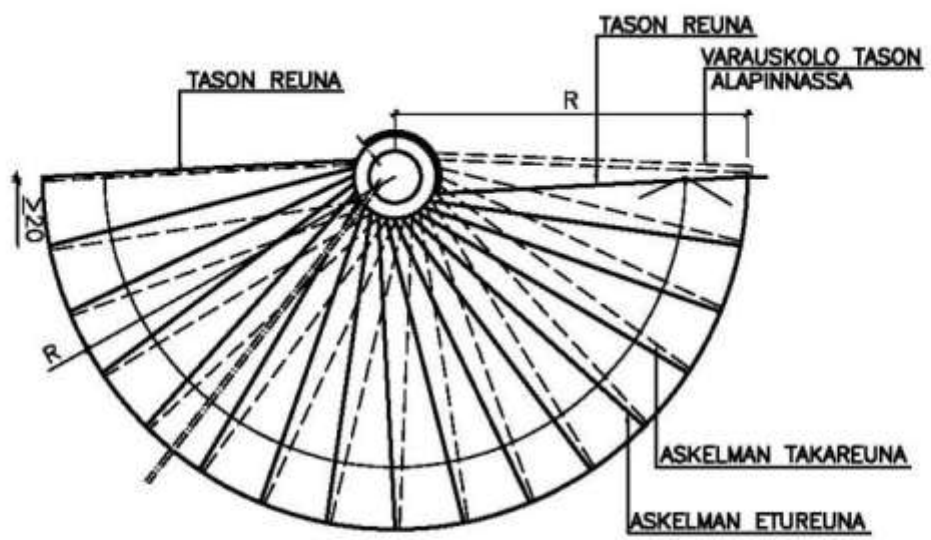


A-A



HUOM!
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI

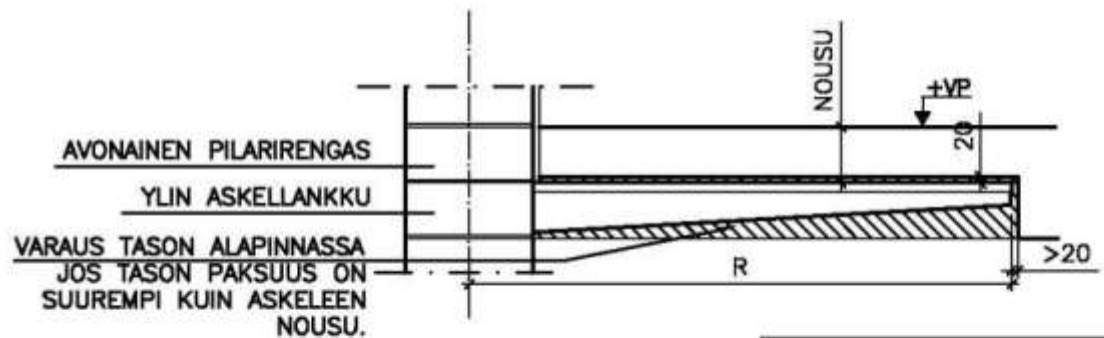
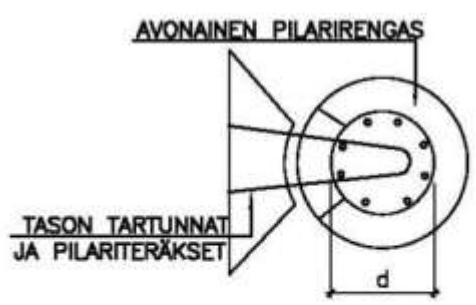
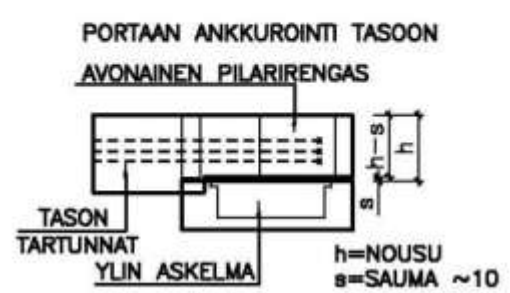
Kuva.8 Suorasivuinen pilarillinen umpikierreporras



UMPIKIERREPORRAS

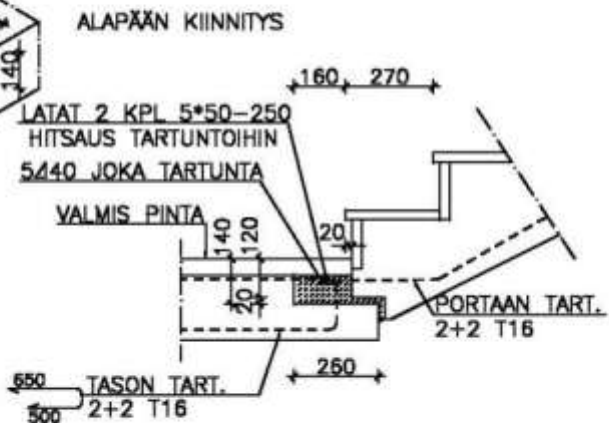
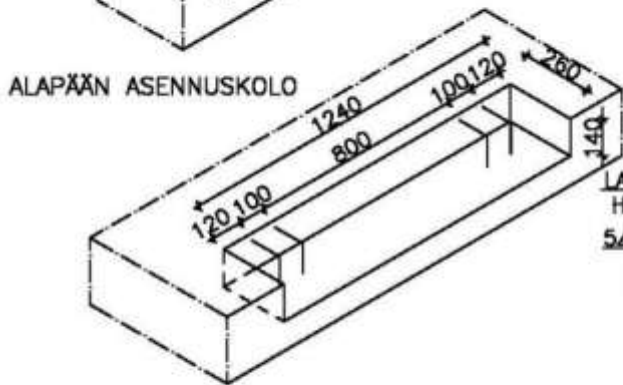
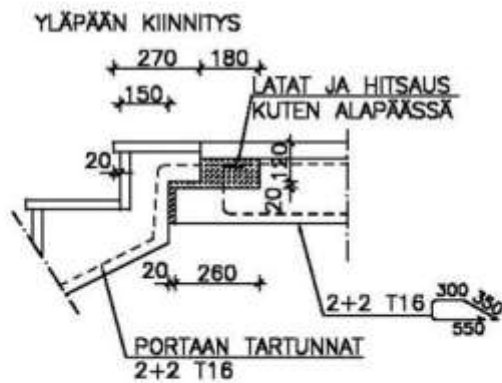
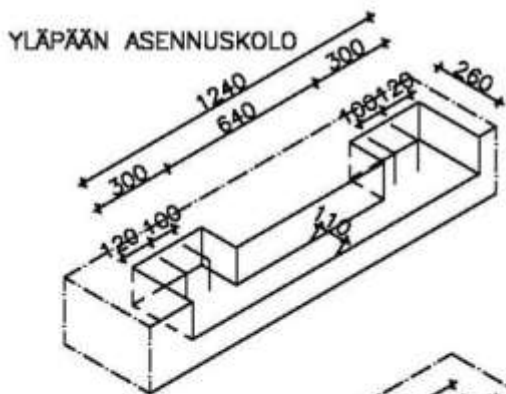
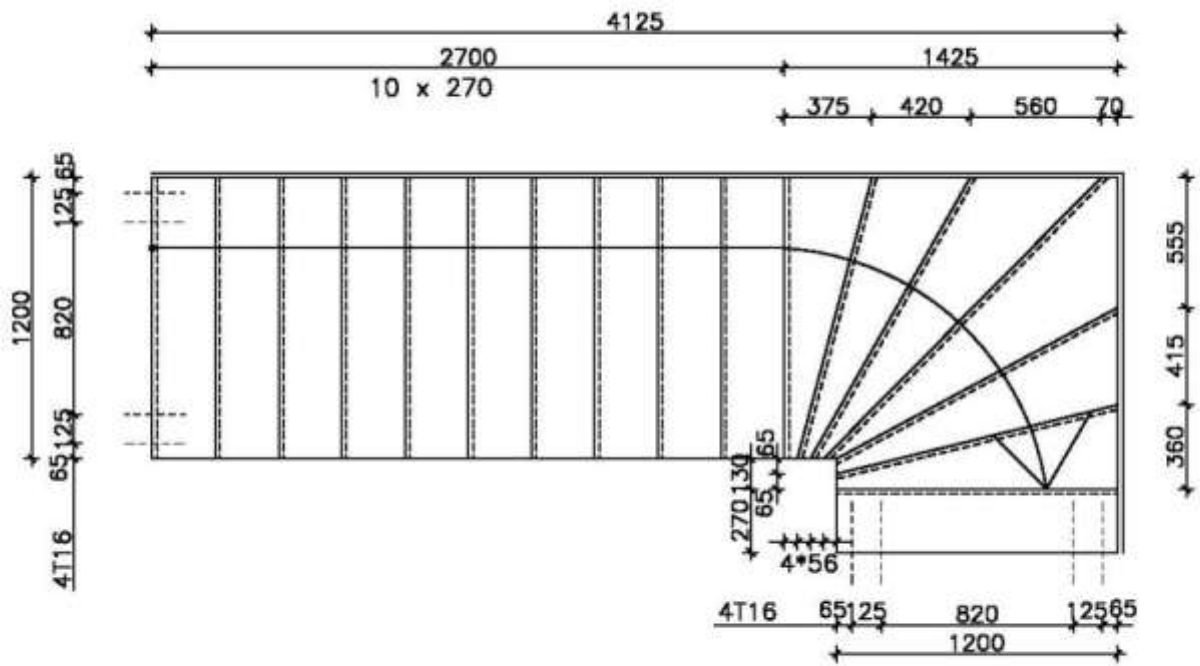


AVOKIERREPORRAS



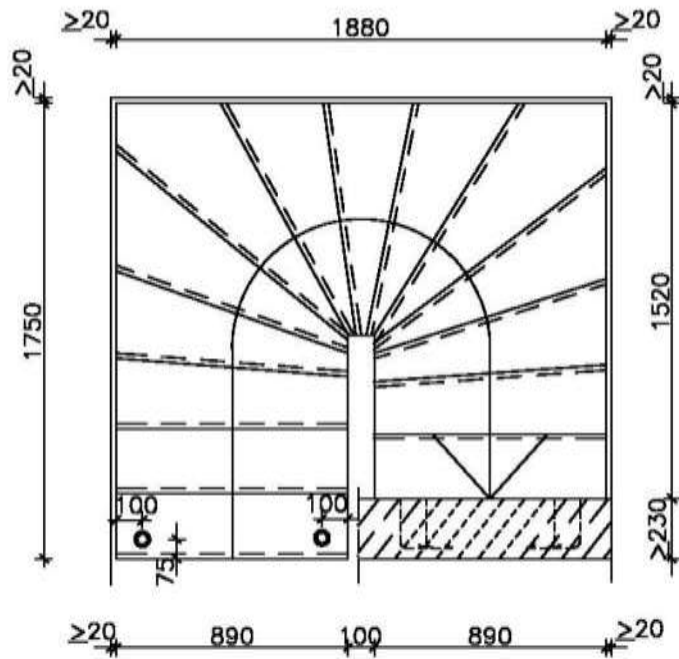
HUOM!
 ASENNUSKOLOT VAIHTELEVAT
 VALMISTAJAKOHTAISESTI

Kuva.10 Ruuvikierreporras

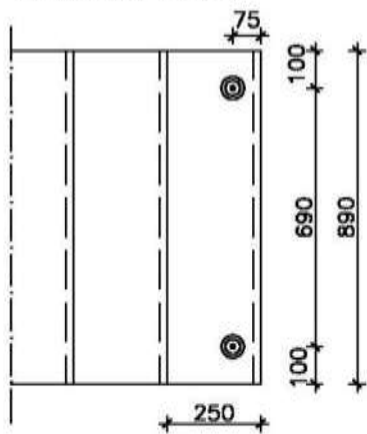


HUOMI
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI

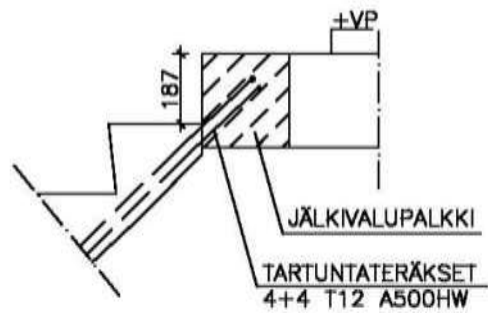
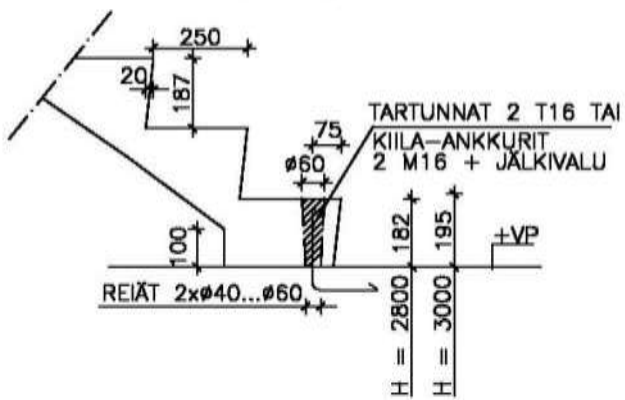
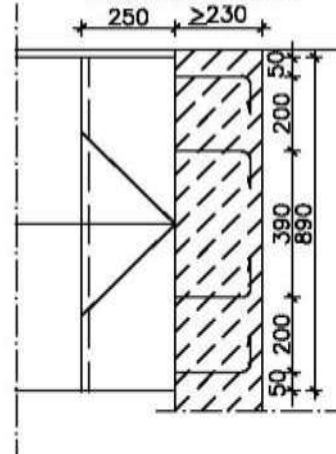
Kuva.32 Umpinainen L-porras



ALAPÄÄN LIITOS



YLÄPÄÄN LIITOS



HUOM!
ASENNUSKOLOT VAIHTELEVAT
VALMISTAJAKOHTAISESTI

Kuva.4 Suorasivuisen umpikierreporras asuinhuoneistoon