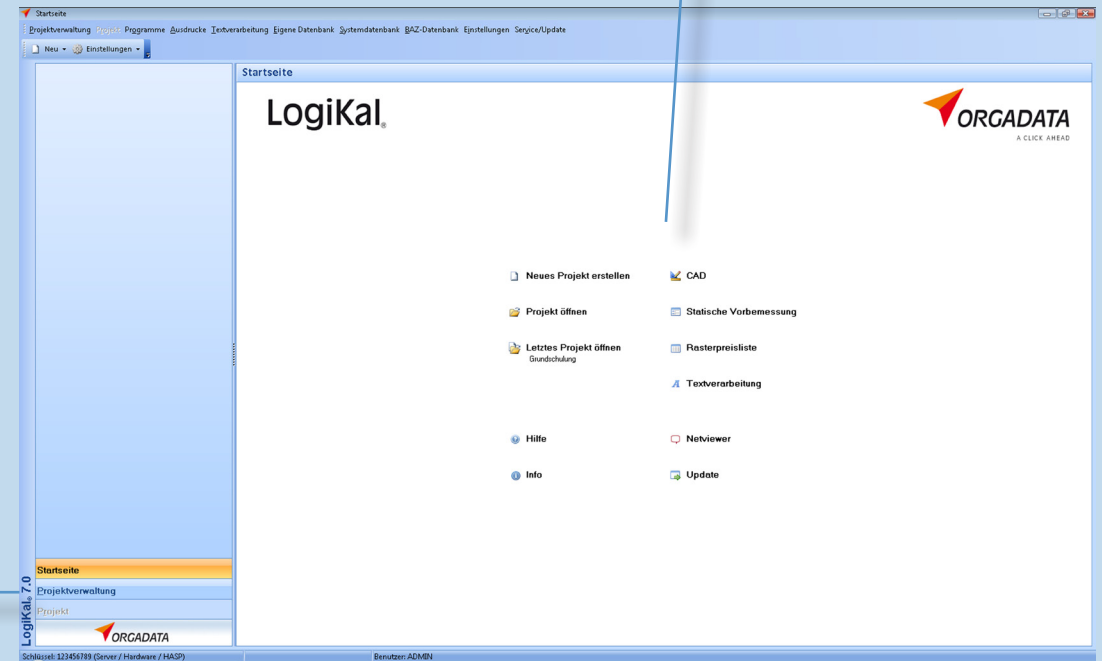


Käynnistysvalikko

Kaikkia tärkeitä toimintoja voidaan käyttää suoraan aloitusnäköymästä.

Uusi navigaatiovalikko mahdollistaa näkymien vaihtamisen käynnistysvalikon, projektinhallinnan ja projekti-keskuksen välillä.



Projektin hallinta

Uusista työkaluvalikoista on suora yhteys usein käytettyihin toimintoihin. Samaan valikkoon saattaa päästä useasta paikasta ohjelman sisällä.

Kaikki toiminnot ja vaihtoehdot voi valita tästä valikosta.

Oikealla on hakemisto kaikille projekteille.

Vasemmalla on toiminnot projektin luomiseen ja muokkaamiseen.

Keskelle näyttöä avautuu näkymä kaikista projekteista.

Valitun projektin korkeusasemat näkyvät tässä.

Projektname	Auftragsnummer	Angebotsnummer	Erstellt am	Letzte Änderung	Bearbeiter	Id Nummer	Kunde
ADMIN-100406	1416:23		06.04.2010		ADMIN	3	
Grundschulung			19.01.2010	15.04.2010	ADMIN	1	

Projektikeskus

Oikealla näkyy kaikki projektin vaiheet.

Tulosteet voidaan valita vasemmalta.

Keskellä näyttöä on projektin kaikki korkeusasemat ja dokumentoinnit. Piirustuksen vierestä selviää kaikki tärkeät tiedot korkeusasemaa varten.

The screenshot displays the ORCADATA software interface. The main window is titled 'Grundschulung - Positionsauswahl'. It features a menu bar at the top with options like 'Neu', 'Import', 'Ausdrucken', 'Löschen', 'Schnittskizzen', 'Stücklisten aller Positionen Neuberechnen', 'Suchen und Ersetzen', and 'Projekt'. Below the menu bar, there are several panels:

- Auswertung (Evaluation):** A list of actions on the left side, including 'Ausdrucken', 'Kalkulation', 'Verkaufstrag', 'Vertragsverwaltung', 'Zuschussliste', 'Materianalys', 'Lagerliste', 'Positionenplan', 'Aufmaßplan', 'Montageplan', 'U-Wert-Protokoll', 'Statische Vorbereitungen', 'Bestellungen', 'Glaszuordnungen', 'Modellschichten', 'Faltbemessungen', 'Glas-Panelkalkulation', 'Angebot', 'Rechnung', 'Lieferstein', and 'Leistungszeichnung'.
- Positionen (Positions):** A table with columns for 'Position', 'Stückzahl', and 'Beschreibung'. It lists various documents and drawings, such as 'Kalkulation von 19.01.2010', 'Optimierung von 19.01.2010', 'Werkauftrag von 19.01.2010', 'Beschlagbestellung von 19.01.2010', 'Lagerliste von 19.01.2010', 'Lageplan von 19.01.2010', 'Profilbestellung von 19.01.2010', 'Stahl von 19.01.2010', and 'Zubehörbestellung von 19.01.2010'.
- Projekt (Project):** A sidebar on the right showing the project structure, including 'Grundschulung' and 'Loz2'.

The central area displays technical drawings for three window types:

- 002:** A window frame with dimensions 2000mm x 1000mm. Description: 'Kurzbearbeitung: Fenster mit Aufdopplung'. Material: 'Oberflächeneinlege: RAL 1016'. Last change: '16.03.10, 16:56 (ADMIN)'. Created: '19.01.10, 13:48'.
- 003:** A door frame with dimensions 1100mm x 2150mm. Description: 'Kurzbearbeitung: Tür'. Material: 'Oberflächeneinlege: RAL 1016'. Last change: '23.03.10, 17:36 (ADMIN)'. Created: '19.01.10, 16:33'.
- 004:** A window frame with dimensions 3000mm x 2100mm. Description: 'Kurzbearbeitung: Türolelement mit Lössfeld und Außenverglasung'. Material: 'Oberflächeneinlege: RAL 1016'. Last change: '20.01.10, 21:38 (ADMIN)'. Created: '20.01.10, 20:53'.

At the bottom, there is a status bar with 'Schlüssel: 322456189 (Server / Hardware / HAUP)', 'Kunde: Merten-Fenster', and 'Benutzer: ADMIN'.

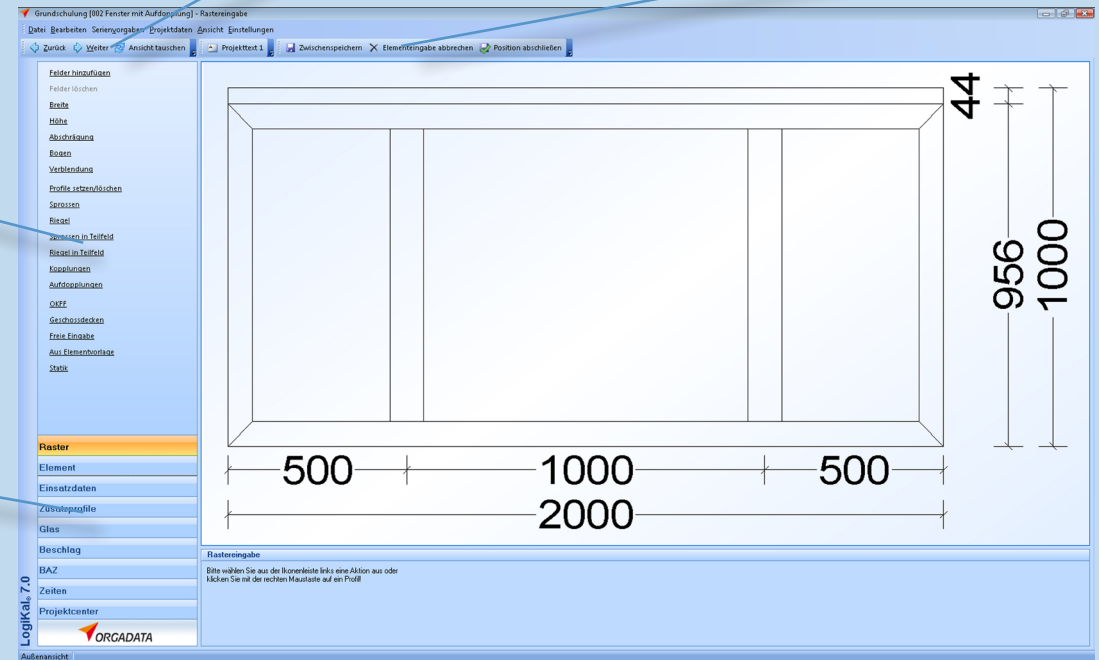
Korkeusasemien asettaminen

"Seuraava" ja "takaisin" -painikkeet sijaitsevat ruudun vasemmassa kulmassa.

Toiminnot "tallenna" ja "peruuta" ovat työkaluvalikossa.

Vasemmalla on toiminnot korkeusasemien muokkaamiseen.

Käytä päävalikkoa vaihtaaksesi näkymää eri näyttöjen välillä.

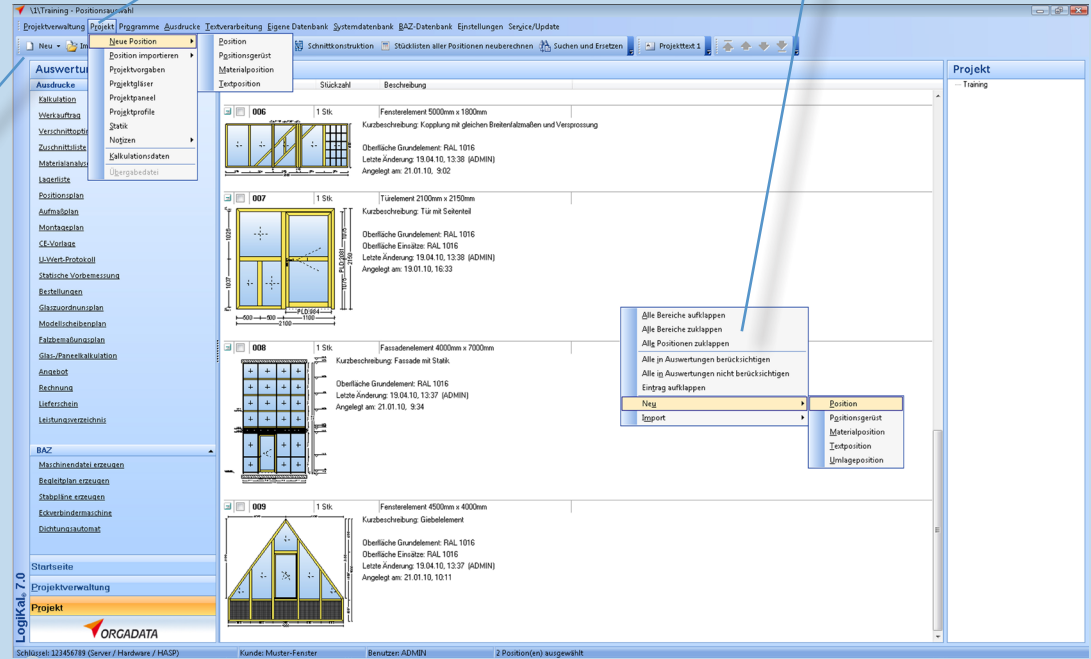


Uuden korkeusaseman luominen

Päävalikon alla on "Projekt"-
työkalu, josta voi valita "uusi korkeus".

Klikkaamalla hiiren oikealla
voi myös luoda uuden korkeusaseman.

Klikkaa painiketta "uusi" työkalu-
valikosta uuden korkeusaseman
luomiseksi.



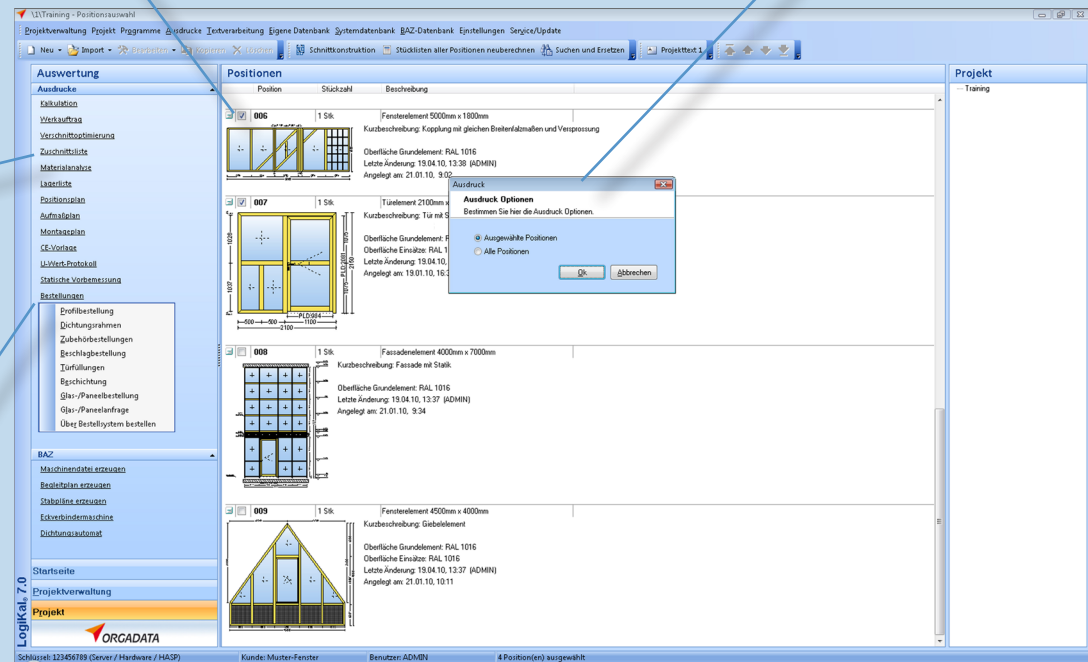
Tulosteiden luominen

Korkeusaseman saa aktivoitua rastittamalla valintaruudun, tähän kuuluu myös tulosteen korkeusasema.

Hiiren oikealla avautuvasta ruudusta (Korkeusasemien valinta) voit valita tulosteessa näkyvät yksityiskohdat.

Voit valita tulosteet vasemmalta.

Kaikki tilauksen tulosteet, mukaan luettuna profiili- ja tarvikke tilaukset ovat nyt selkeästi järjestettynä "Tilaukset"-valikon alle.



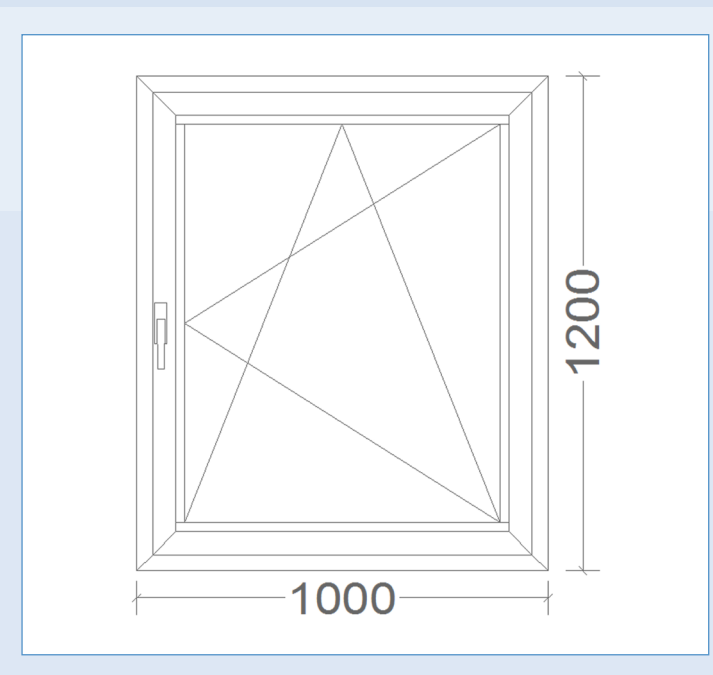
Kohta 1

IKKUNA

STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: <i>001</i> , Brief Description: <i>Window</i>
2	System Preferences	None
3	Grid Input	Grid: <i>1 x 1</i> , Dimensions: <i>1000 mm x 1200 mm</i>
4	Input of Elements	
4.1	Insertion Input	<i>Turn-Tilt DIN R</i>
4.2	Position Properties	Glazing Bead, Drainage, Connections, Colour: <i>Mill Finish</i>
4.3	Profile Selection	Same frame profile all-around: <i>Yes</i> , Frame
4.4	Insertion Data	Sash
5	Secondary Profiles and Items	None
6	Glass Input	<i>No Glass - with GB/Gasket</i> , Glass Thickness: <i>28 mm</i>
7	Insertion Hardware	Confirm all by ENTER
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication <i>1: 0 h</i> , Glass Gasket: <i>Per Metre</i> , Centre Gasket: <i>Metre + Vulcanised Corners</i> , Sealing to Structure: <i>Perimeter</i>

Position Selection: Settings / Input of Elements: Determine Symbol Size (*Like Insertion*) and Point of View (*Outside*)

If applicable re-calculate piece list of position 001



Notes

Kohta 2

Ikkuna lisäosilla

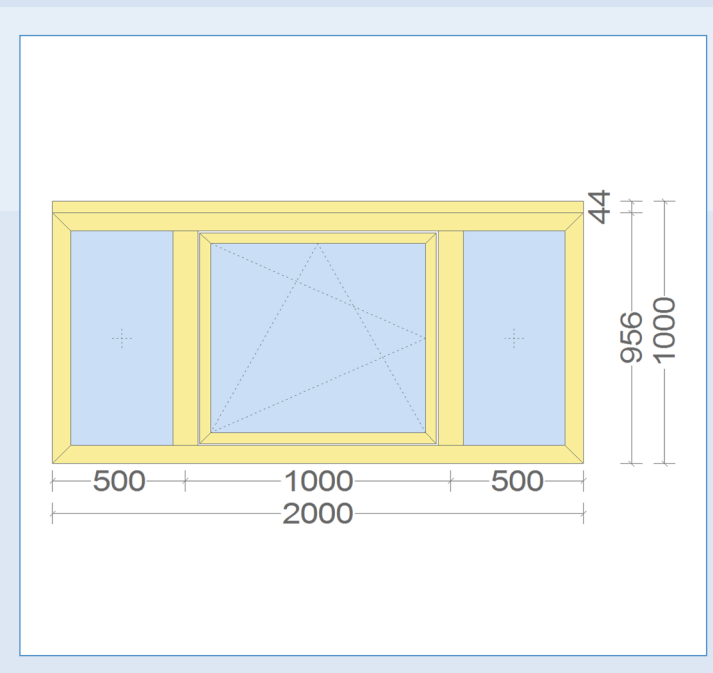
STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 002, Brief Description: <i>Window with Add-On</i> , add currently selected system to favourites
2	System Preferences	None
3	Grid Input	Grid: 2 x 1, Dimensions: 1500 mm x 1000 mm (A-A)
3.1	Add Fields	<i>Left</i> , New Partial Width: 500 mm
3.2	Total / Partial Width	Dimensions: A-T/2-A, formula will be converted into numerical value
3.3	Add-On Profiles	Outer edge at top
4	Input of Elements	
4.1	Insertion Input	Centre: <i>Turn-Tilt DIN R</i> , Rest: <i>Fixed Glazing Inside</i>
4.2	Position Properties	Glazing Bead, Drainage, Connections, Colour: RAL 1016
4.3	Profile Selection	Same frame profile all-around: <i>Yes</i> , Profile Selection: Direct Profile Number Input, Frame, Add-On: <i>Cropped Frame</i> , Mullion, Right-Click: Item Information and Favourites (<i>Add and Remove</i>)
4.4	Flag (Right-Click)	Insert at add-on (for Position Drawing and Assembly List): <i>Remove leg</i>
4.5	Insertion Data	Sash
4.6	Display Options	Enable all options
5	Secondary Profiles and Items	None
6	Glass Input	All Fields: <i>Insulating Glass: 2x4mm Float 1.1</i> , Glass Thickness: 24 mm, No Special Glass, Enable Glass Data on Drawing
7	Insertion Hardware	Confirm all by ENTER, Part List: Right-Click: <i>Item Information</i>
8	CNC Work Preparation	
9	Fabrication and Installation	Fabrication 1: 6 h, Glass Gasket: <i>Per Metre</i> , Centre Gasket: <i>Meter + Vulcanised Corners</i> , Sealing to Structure: <i>Perimeter</i>

Printout: Estimation

Estimation Data: Colour RAL 1016: 5 EUR/m², VAT: 19%, Wastage: 10%, Profit on Material: 10%, Profit on Glass Purchase: 10%, Profit on Wages: 10%, Fabrication 1: 40 EUR/h, Discount Groups: 20% Discount, Estimation Type: *Standard (With Glass)*

Explain options: with/without calculating optimised wastage (assign all residual lengths to wastage)

Save printout



Notes

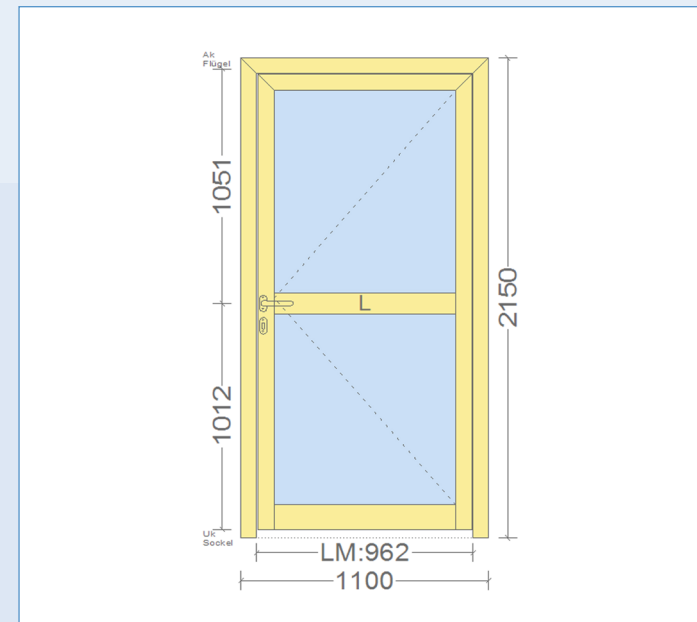
Kohta 3

Ovi

STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 003, Brief Description: Door
2	System Preferences	None
3	Grid Input	Grid: 1 x 1, Dimensions: 1100 mm x 2150 mm
4	Input of Elements	
4.1	Insertion Input	By keyboard: Rebated Door Open In DIN L
4.2	Position Properties	Glazing Bead, Drainage, Connections, Colour: RAL 1016
4.3	Frame Design	Type 1: Door with Threshold
4.4	Profile Selection	Door Frame (Open In)
4.5	Insertion Data	Door Leaf (Open In): Sash, Bottom Configuration: Door with Threshold and Bottom Rail, Midrail: 1050 mm
4.6	Cross Sections (Right-Click)	Display Section (vertically), Set Section Line (horizontally): Move, Edit, Delete
5	Secondary Profiles and Items	HUD R 30/30/3 MM (bottom, without colour, width + 0 mm, in quotation), Screw (piece, bottom, 4 pcs/m, price: 1 EUR/pc, not in quotation)
6	Glass Input	All Fields: Project Glass: Glass Type 1, Glass Thickness: 24 mm
6.1	Project Glass	Name: Glass Type 1, Description 1: TSG, Short Info: GT1, Inside: 6 mm (TSG), Outside: 6 mm (TSG), Gap: 12-20 mm, U-Value: 0 W/m²K, Spacer Type: Standard, Area Calculation: 3:3 cm, Minimum Calculation Area: 0.4 m², Price: 65 EUR/m², Surcharge (Weight): 0.13 EUR/kg, Price Level: 01/2010
7	Insertion Hardware	Hinges (with position): Barrel Hinge, Lock: Bolt, Trap, PC-Standard, Striking Plate: E-Opener, Handle inside/outside, Escutcheon Plate inside/outside, (Overhead Door Closer: Standard Installation, Hinge Side with Mounting Plate)
8	CNC Work Preparation	Show only: 3D View, CAD
9	Fabrication and Installation Hours	Fabrication 1: 7 h, Glass Gasket: Per Metre, Sealing to Structure: Perimeter, Additional Items, U-Value: Details: Glass Type 1: 1.1 W/m²K

Printouts: Assembly List and Cut Optimisation

Save printouts



Notes

Kohta 4

Ovi elementti poistetulla kentällä ja ulkopuolisella lasituksella

STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 004, Brief Description: <i>Door Element with Deleted Field and Outside Glazing</i>
2	System Preferences	Frame Element: <i>Frame, Mullion, Transom</i> , Windows: <i>None</i> , Doors: <i>Door Leaf (Open In)</i> , Hardware: <i>None</i> , Miscellaneous: <i>Completely, Save as Standard Settings</i>
3	Grid Input	Grid: <i>3 x 2</i> , Dimensions: <i>3000 mm x 2100 mm (A-1200-A, A-A)</i>
3.1	Set / Delete Profiles	Remove transom (in door field)
3.2	Slabs	Description: <i>GF</i> , Position from Zero Level: <i>0 mm</i> , Height: <i>240 mm</i>
4	Input of Elements	
4.1	Insertion Input	Bottom Left: <i>Fixed Sash (Open In)</i> , Centre: <i>Rebated Door Open In DIN L</i> , Bottom Right: <i>Deleted Field, Rest: Fixed Glazing Inside</i>
4.2	Position Properties	Colour: <i>RAL 1016</i>
4.3	Frame Design	Type 2: <i>Bottom Frame in Side Light, Door with Threshold</i>
4.4	Profile Selection	Frame, Mullions (Alignment), Transoms (Alignment)
4.5	Set Partial Profile	Change transom above deleted field into frame
4.6	Insertion Data	Door Leaf (Open In): <i>Adapter, Sash, Bottom Configuration: Door with Threshold and Bottom Rail</i> , Fixed Sash: <i>Reverse Profile</i>
5	Secondary Profiles and Items	None
6	Glass Input	Bottom Left: <i>Panel: Metal Panel</i> , Panel Thickness: <i>24 mm</i> , Status Colours: <i>grey, red, blue</i> , Rest: <i>Insulating Glass: 2x4mm Float 1.1</i> , Glass Thickness: <i>24 mm</i> , No Special Glass
7	Insertion Hardware	Copy insertion hardware from position 003, change <i>Handle Outside</i> in <i>Pull Handle Outside</i>
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication 1: <i>11.5 h</i>

Printouts:

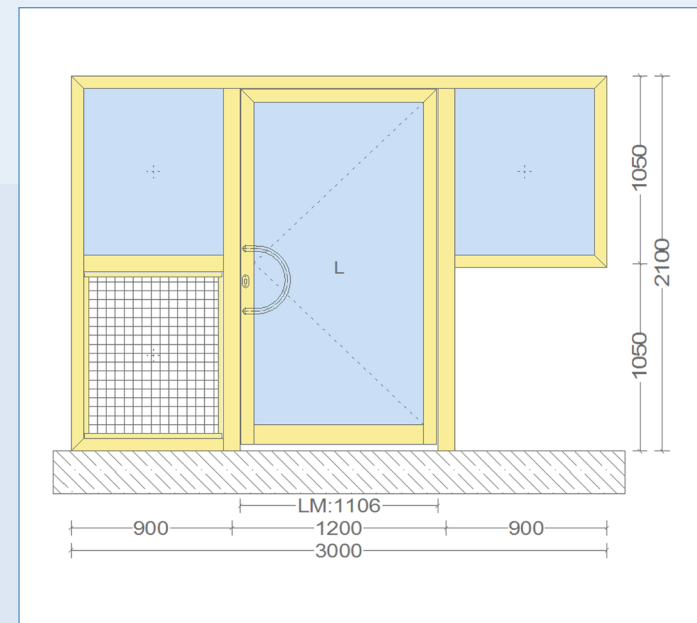
Profile Order (with profile drawing): Colours: Order at Profile Supplier/ Order at Coating Company

Accessories Order (with item drawing): Select single position

Hardware Order (with item drawing)

Save printouts

Job Preferences: Colour: *RAL 1016 (Single-Colour)*, Hardware Inside: *EV1 silver coloured*, Hardware Outside: *EV1 silver coloured*

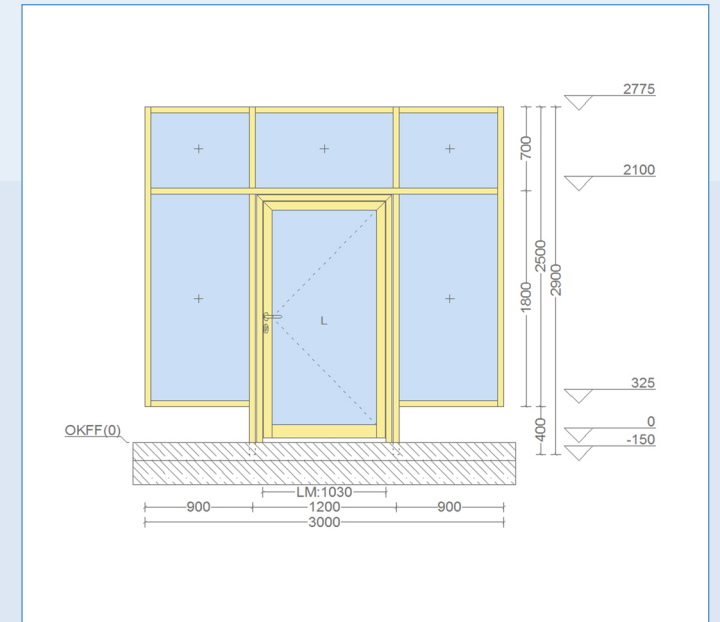


Notes

Kohta 5

Lasijulkisivu nostetulla tasolla

STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 005, Brief Description: <i>Curtain Wall with Offset</i>
2	System Preferences	Mullions and Transoms
3	Grid Input	Grid: 3 x 2, Dimensions: 3000 mm x 2500 mm (A-1200-A, 1800-A)
3.1	Set / Delete Profiles	Remove transom (in door field)
3.2	FFL	Offset: -300 mm
3.3	Slabs	Description: <i>Floor Level</i> , Position from Zero Level: -150 mm, Height: 200 mm, Description: <i>FFL</i> , Position from Zero Level: 0 mm, Height: 150 mm
4	Input of Elements	
4.1	Connection Variants	Select centre joints (above door): continuous cover caps and pressure plates (outside connections)
4.2	Extensions	<i>Individual</i> : Select lower ends of door mullions, Bottom Extensions: Inner Profiles: 400 mm, Outer Profiles: 300 mm
4.3	Insertions	<i>Single/Multi-Part Door Insertion</i> : <i>Rebated Door Open In DIN L</i> , Frame: <i>Clamping Door Frame</i> , copy insertion hardware from position 003, Fabrication and Installation Hours: Fabrication 1: 7h
5	Secondary Profiles and Items	None
6	Additional Hardware	None
7	Glass Input	Create new project glass, Lower Fields: <i>Project Glass: Glass Type 1</i> , Glass Thickness: 28 mm, Upper Fields: <i>Project Glass: Glass Type 2</i> , Glass Thickness: 28 mm
7.1	Project Glass	Name: <i>Glass Type 2</i> , Description 1: <i>Float</i> , Short Info: <i>GT2</i> , Inside: 4 mm (<i>Float</i>), Outside: 4 mm (<i>Float</i>), Gap: 12-20 mm, U-Value: 0 W/m ² K, Spacer Type: <i>Standard</i> , Area Calculation: 3.3 cm, Minimum Calculation Area: 0.4 m ² , Price: 30 EUR/m ² , Surcharge (Weight): 0.13 EUR/kg, Price Level: 01/2010
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication 1: 9 h, Installation 1: 18 h, Glass Gasket: <i>Per Metre</i> , Sealing to Structure: <i>Perimeter</i>



Notes

Kohta 6

Liitokset yhteisillä mitoilla ja sisäpuolisilla kiskoilla

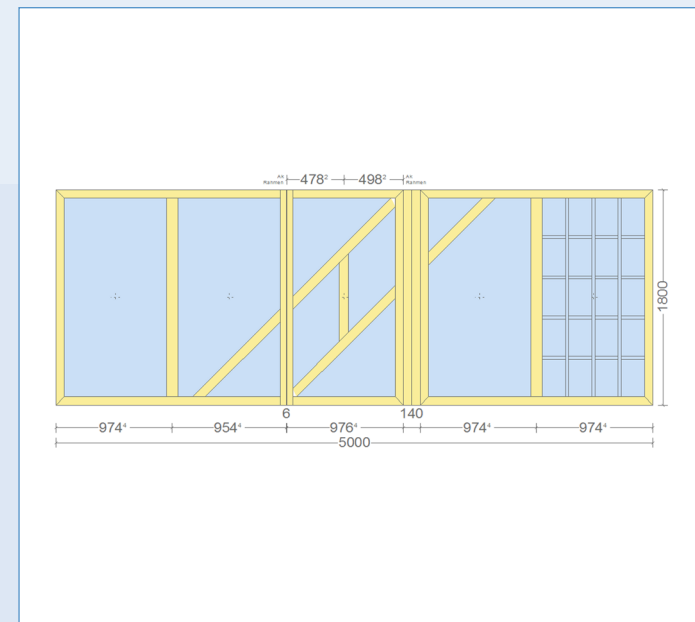
STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 006, Brief Description: <i>Couplings with Equal Rebate Dimensions and Internal Rails</i>
2	System Preferences	No more
3	Grid Input	Grid: 5 x 1, Dimensions: 5000 mm x 1800 mm (A-A-A-A-A)
3.1	Couplings	Centre Left Mullion: <i>Expansion Mullion</i> , Centre Right: <i>Outer Corner 90°</i>
4	Input of Elements	
4.1	Insertion Input	All Fields: <i>Fixed Glazing Inside</i>
4.2	Equal Rebate Dimensions in Width	<i>Equalise the position's rebate dimensions</i>
4.3	Internal Rails	Centre Field: <i>Add Free Profiles: 2 slant mullions (45° each, inner edge in corner)</i> , <i>Add Verticals: 1 Mullion (equal glass dimensions)</i> , <i>Delete Partial Profiles</i> , Adjacent Fields: <i>Parallel Profiles</i>
5	Secondary Profiles and Items	None
6	Additional Hardware	None
7	Glass Input	All Fields: <i>Project Glass: Glass Type 1, Glass Thickness: 24 mm</i>
7.1	Glazing Bars	Right Field: Grid: 3 x 4, equal glass dimensions, lays bars
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication 1: 14 h

Printouts:

Glass Order (Sorted, with Field Numbers): For position 006 only

Stock List (with item drawing)

Save printouts



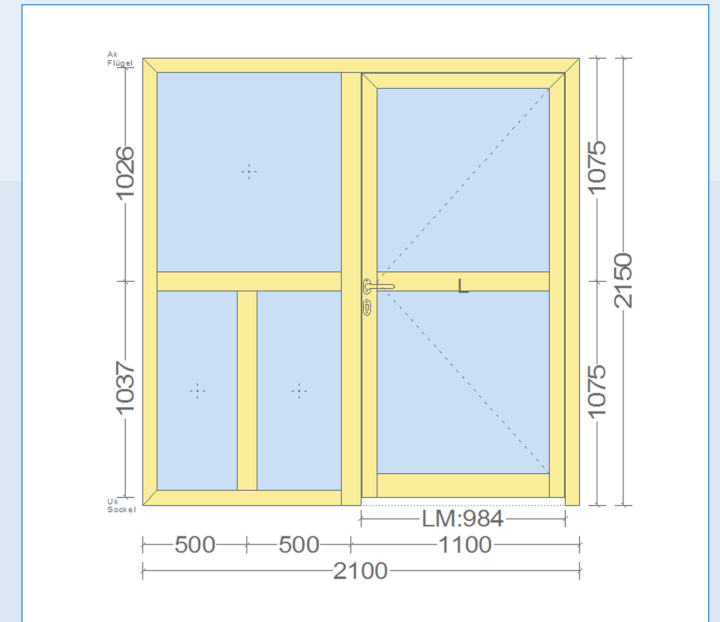
Notes

Kohta 7

Ovi sivulasilla

STEP	PROGRAM SCREEN	FUNCTION
1	Main Menu	Right-Click: <i>Copy</i> : Position 003
2	Copy Position	Number: 007, Brief Description: <i>Door with Side Light, Modify Position</i>
3	Grid Input	
3.1	Add Fields	<i>Left</i> , New Partial Width: 1000 mm
3.2	Transom in Partial Field	Left Partial Field: Add one transom
3.3	Mullion in Partial Field	Bottom Left Partial Field: Add one mullion
4	Input of Elements	Set frame, mullions and transoms
4.1	Insertion Input	All New Fields: <i>Fixed Glazing Inside</i>
4.2	Insertion Data	<i>Bottom Configuration</i> : Show only: <i>Bottom Extension</i> and <i>Offset FFL Door</i>
4.3	Side Light	Show only: <i>FFL Offset Side Light</i>
4.4	Align Profiles	Align door midrail at side light transom (centre line-centre line)
5	Secondary Profiles and Items	None
6	Glass Input	<i>Project Glass</i> : <i>Glass Type 1</i> , <i>Glass Thickness: 24 mm</i> , <i>One field only: Accept</i> , all other fields: Right-Click: <i>Copy Filling</i>
7	Insertion Hardware	No changes
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication 1: 11 h, <i>Comment</i> (for Assembly List): <i>Work precisely</i>

Cross Sections

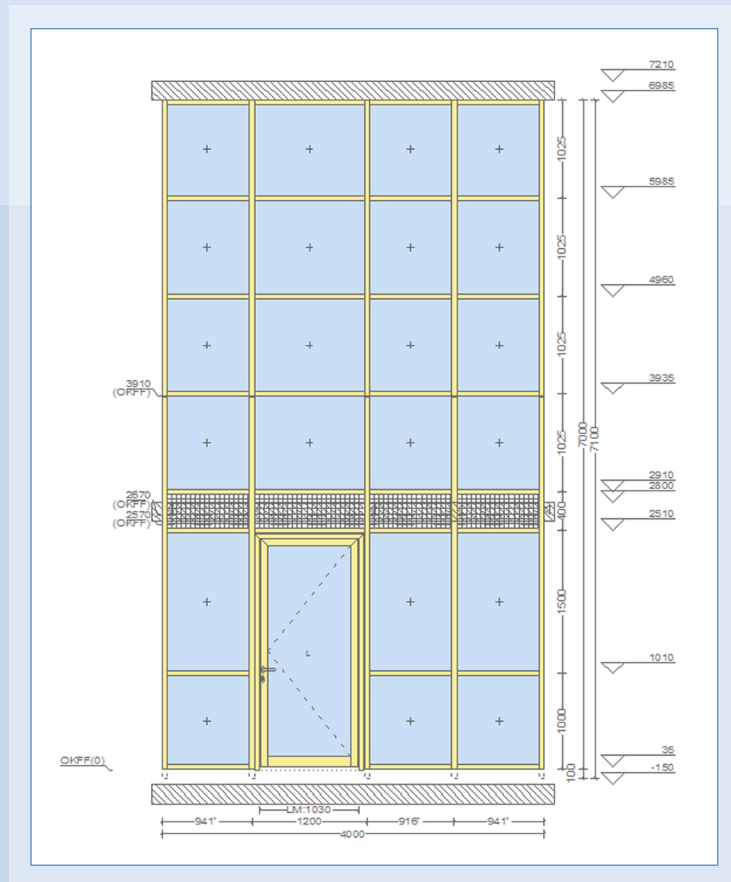


Notes

Kohta 8

Julkisivu rakenneanalyysillä

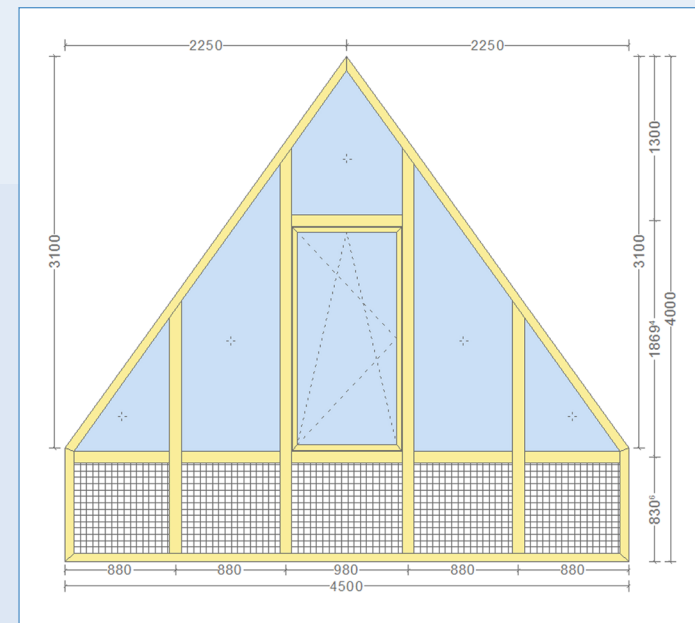
STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 008, Brief Description: <i>Curtain Wall with Structural Analysis</i> , Perform Structural Analysis for this Position, <i>Settings</i> , Installation Height of Element: 7 m, The element is located at the: <i>longer side of building</i> , Distance of Element to Building Corner: 1 m
1.1	Structural Analysis Parameters	Country: <i>Germany</i> , Calculation Method: <i>Simplified Method</i> , Wind Zone: 3 (<i>Binnenland</i>), Building Width/Height/Depth: 10 m / 12 m / 15 m, Altitude of Site: 3.0 m
2	System Preferences	No more
3	Grid Input	Input: <i>Edge-Centre Line-Edge</i> , Grid: 4 x 7, Dimensions: 4000 mm x 7000 mm (A-1200-A-A, 1000-1500-400-A-A-A)
3.1	Set / Delete Profiles	Remove transom (in door field)
3.2	FFL	Offset: -10 mm
3.3	Slabs	Description / Position from Zero Level / Height: 1st Floor / -150 mm / 200 mm, 2nd Floor / 2800 mm / 200 mm, 3rd Floor / 7210 mm / 200 mm
4	Input of Elements	
4.1	Connection Variants	All the same
4.2	Settings	Display Deflection Line (100 x)
4.3	Pin/Roller Support	All: Reference: <i>Centre Line Slab (2700 mm) 1st Floor</i> , Position: 30 mm, Type: <i>Roller Support w/o Accessories</i>
4.4	Extensions	All: Bottom Extension for Inner Profiles: 100 mm
4.5	Save Input	
4.6	Mullions	All mullions the same: <i>Yes</i> , Show only: <i>Statics Values (Utilisation)</i> , cancel now and allocate reinforcement profiles by <i>Set Partial Profile</i> to insufficient mullions only
4.7	Statics Data (Right-Click)	<i>Print</i> and save at <i>Job Texts</i>
4.8	Insertions	Door insertion from position 005, if applicable change gasket adapter for clamping frame in order to apply the same inner gasket everywhere



Kohta 9

Päätyelementti

STEP	PROGRAM SCREEN	FUNCTION
1	Create Position	Number: 009, Brief Description: <i>Cable Element</i>
2	System Preferences	Windows: <i>Window Sash Inside</i>
3	Grid Input	Grid: <i>5 x 3</i> , Dimensions: <i>4500 mm x 4000 mm (A-A-980-A-A, 900-1800-A)</i>
3.1	Set / Delete Profiles	Remove upper transom except for centre field
3.2	Pitch	<i>Top Left: Width: T/2, Height: Transom #2, Top Right: Width: T/2, Height: Transom #2</i>
4	Input of Elements	
4.1	Insertion Input	Lower Fields: <i>Panel Inside</i> , Centre: <i>Turn-Tilt DIN R</i> , Rest: <i>Fixed Glazing Inside</i>
4.2	Modify Connections	Align upper edge of transom at inner corner of pitch
5	Secondary Profiles and Items	None
6	Glass Input	Lower Fields: <i>Panel: Metal Panel</i> , Panel Thickness: <i>24 mm</i> , Upper Fields: <i>Project Glass: Glass Type 2</i> , Glass Thickness: <i>24 mm</i>
7	Insertion Hardware	Copy insertion hardware from position 001
8	CNC Work Preparation	
9	Fabrication and Installation Hours	Fabrication 1: <i>20 h</i>



Notes
