Special construction

BVH: **My Hive**

Program version: **SchüCal 2026 R1**

System: **Schüco USC 65.HI**

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Version: 04

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Item overview

Special item	Half-shell internal	Half-shell external	SchüCal item	Designation / Use
9668931	9668929	9668930	9668931	Frame
9668936	9668934	9668935	9668936	Frame
9668938	9668934	9668937	9668938	Frame
9668940	9668939	9668937	9668940	Frame
9620563			9620563	Insulation bar for frame
9668941			9668941	Transom
9668945			9668945	Glazing Bead
9668946			9668946	Glazing Bead
9668947			9668947	Glazing Bead
9668948			9668948	Glass rebate profile
9668949			9668949	Glass rebate profile
RO-F516.01			RO-F516.01	Gasket

Remarks:

- The data supplied has been prepared and checked for use in work preparation (production lists and saw control), but not for the control of profile machining centres. If necessary, we can check the possibilities for controlling profile machining centres and create a corresponding proposal.
- Item information, such as price, VE, must be clarified before ordering with our purchasing and, if necessary, adjusted in the item management. At the time of implementation, still partly unknown!

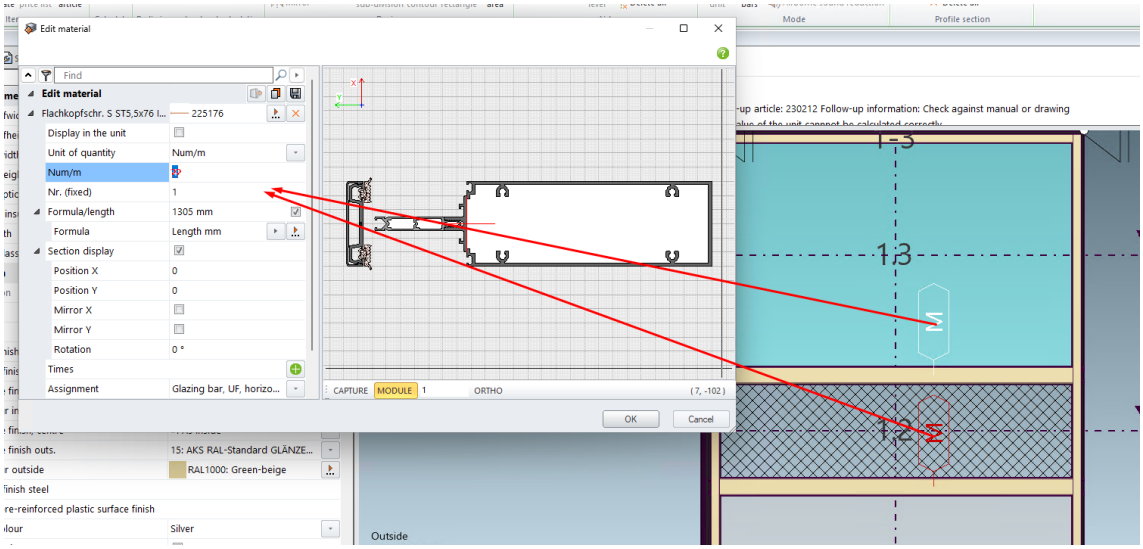
For input support, reference elements with corresponding technical settings have been created (see SchüCal data backup). These must be changed and checked prior to use on the respective installation situation. The input is basically similar to standard profile systems. However, the following notes should be observed:

Notes:

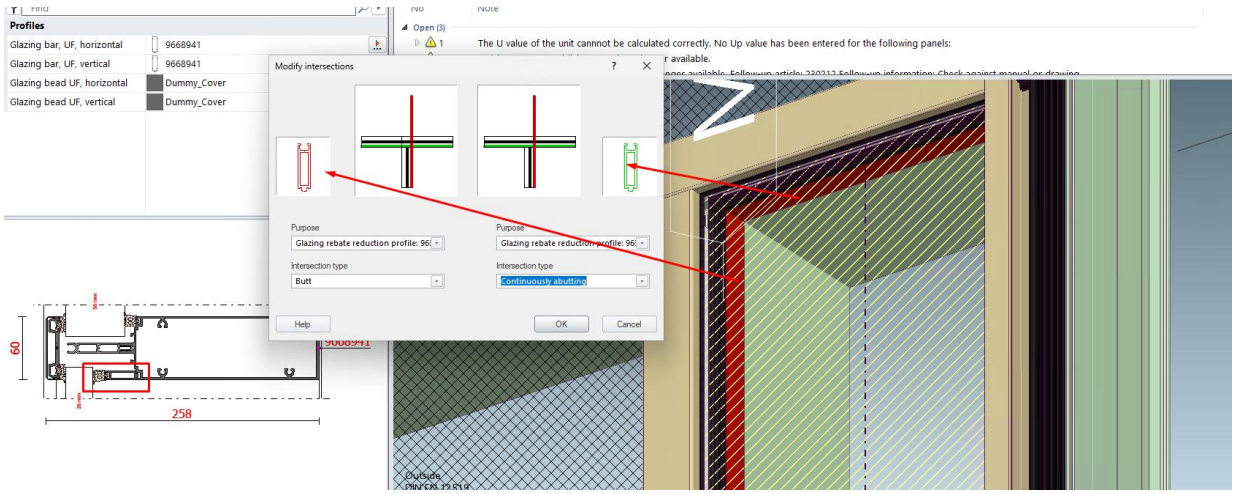
- **Glazing:**
  - 60 mm, 56 mm, 32mm
  - The additional material (galzing blocks etc.) have to be checked and added manually

- **Transom 9668941:**
  - **Glazing bead** = Dummy_Cover (can be deleted)

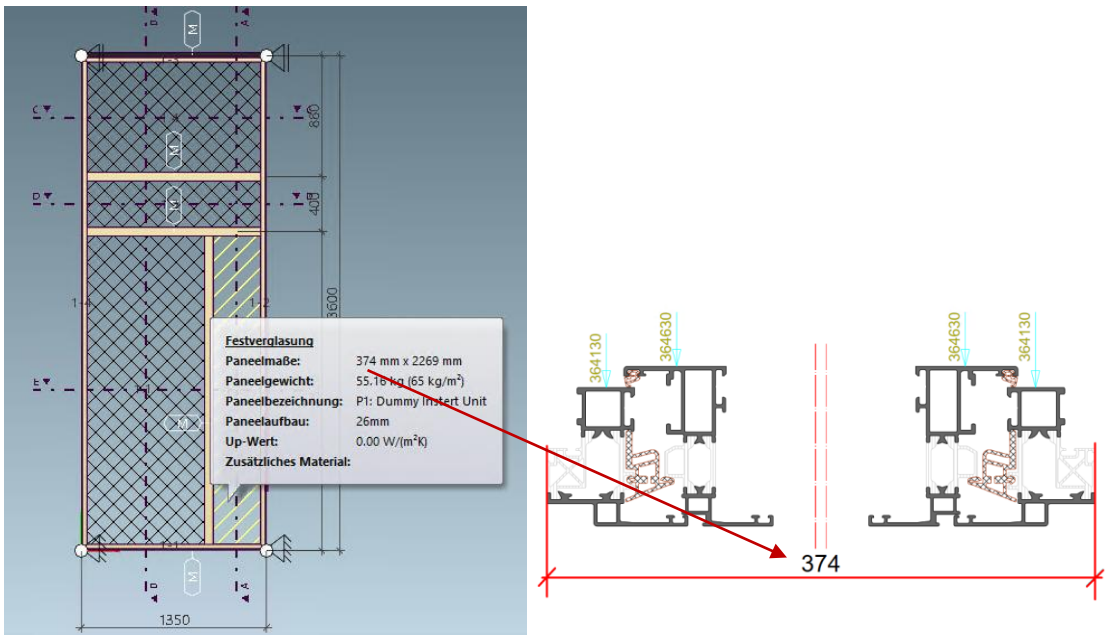
  - **Screws for preasure plate 477660**
    the amount for the screw 225176 has to adapted at the additional material



- **Glass rebate profile 9668948:**
  Jointing has to be checked and adapted where necessary manually



- **Insert Unit**
  has to be made as a separate element
  The size of the element can be overtaken from the glass dimensions of the dummy field



The data has been adapted to the reference modules in the above-mentioned version, and any deviation (e.g. glass thicknesses or profiles) must be checked by the user.

We have carried out the input carefully, but we do not guarantee the accuracy and completeness of the results. In order to ensure faultless serial production, the manufacturing of a sample module by the processor is absolutely necessary, as well as a detailed data check. We will be happy to answer any questions you may have.

Notes MCO:

- **General information:**
  - Processings have to be added via processing groups
  - MCO-filter:
    - Processings on Glazing beads 9668945 are deleted
    - Notchings on vertical frame 9668931 in combination with horizontal frame 9668936 are deleted

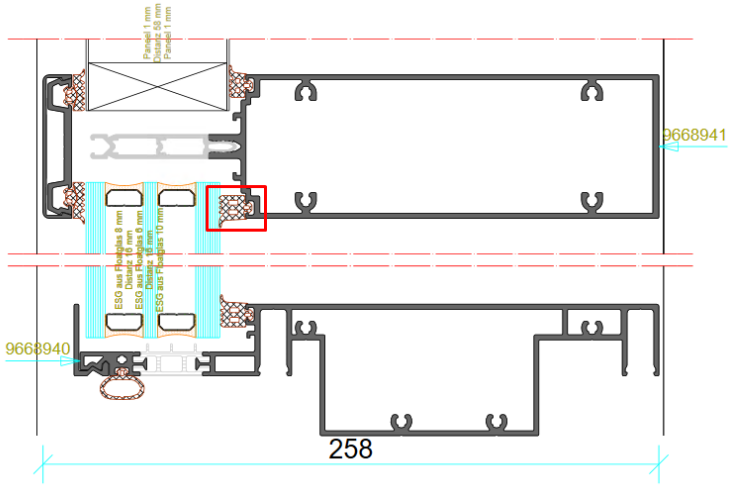
- **Vertcal frame 9668931:**
  Processing groups for:
  - T-Connections bottom and top: groups can be added “as saved”
    - 9668931 - T-connection bottom Frame *9668940*
      or
    - 9668931 - T-connection bottom Frame *9668936*
      and for both variants on the top
    - 9668931 - T-connection top 9668936+9668938
  - T-Connections Transom: group can be added “On the joint 2” and “On the joint 3” etc.
    - 9668931 - T-connection transom 9668941
  - Notchings on top and bottom
    - 9668931 - Notching bottom 9668936
      or
    - 9668931 - Notching bottom 9668940
      and for both variants on the top
    - 9668931 - Notching top 9668936+9668938

- **Horizontal frame bottom 9668936 – for mullion**
  - T-Connection Transom: group can be added “On the joint 2”
    - 96698936 - T-connection transom 9668941

- **Horizontal Transom 9668941 – for mullion**
  - T-Connection Transom: group can be added “On the joint 2”
    - 9668941 - T-connection transom 9668941

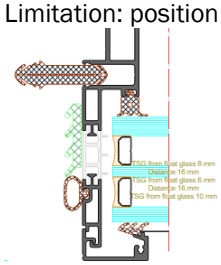
Notes V02 (07.09.2026)

- **Transom 9668941:**
  - Gasket has been corrected



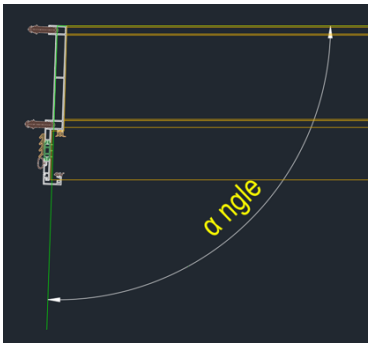
- **Glass carrier:**
  - are calculated now

- **Glazing bead**
  - 9668946 (35mm) is available
  - Limitation: position of gasket in cross section is not correct



Notes V04 (14.10.2026)

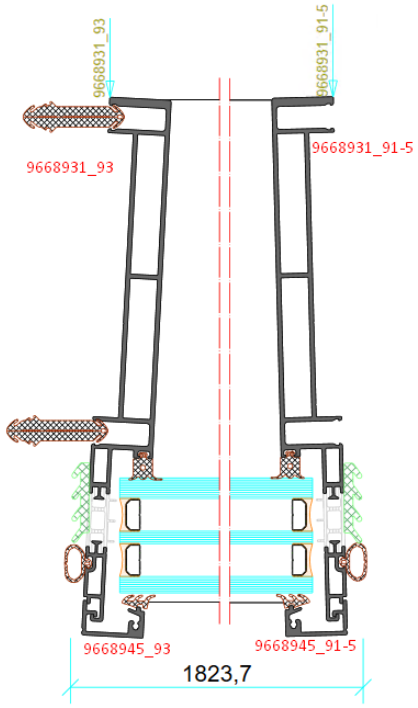
- **Additional vertical Frames for elements with different angles:**
  - 9668931_91
  - 9668931_91-5
  - 9668931_92
  - 9668931_92-5
  - 9668931_93
  - 9668931_94
  - 9668931_95
  - 9668931_98



Including the matching glazing beads
  - 9668945_91 .... 9668945_98

= dummy-profile for elements with an angle
the articles 9668931... are changed to 9668931 for the output

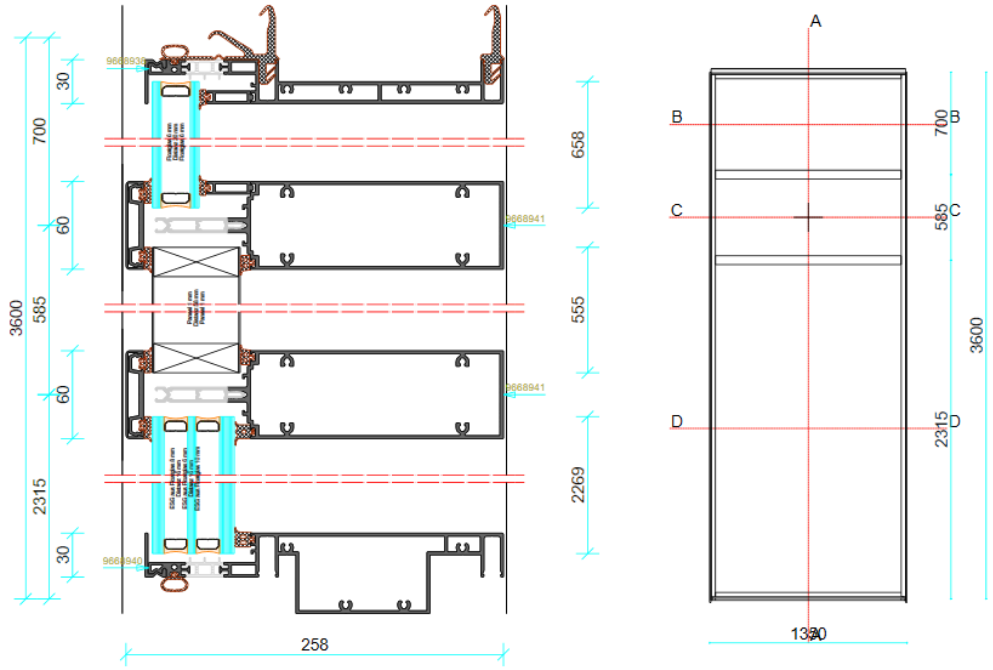
Example:
Left profile for angle 93° = 9668931_93 + 9668945_93
Right profile for angle 91,5° = 9668931_91-5 + 9668945_91-5



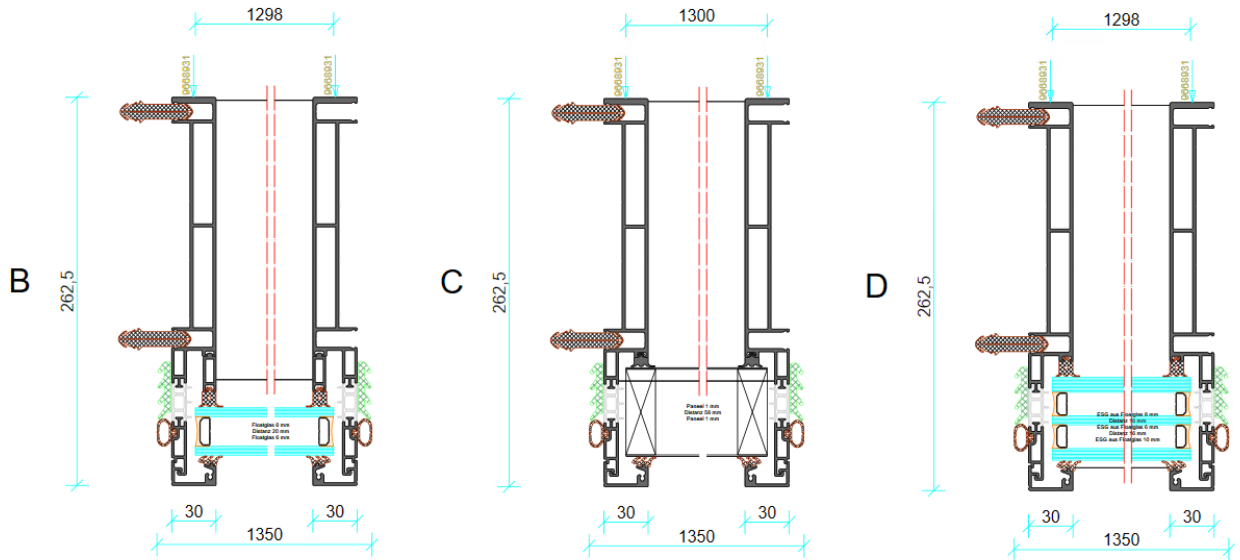
- **Restrictions:**
  - Length and cutting angle of cover profile 160630 has to be checked
  - Length of Glazing rebate profiles have to be checked

Reference modules

Project: V8 My Hive
Position: 001

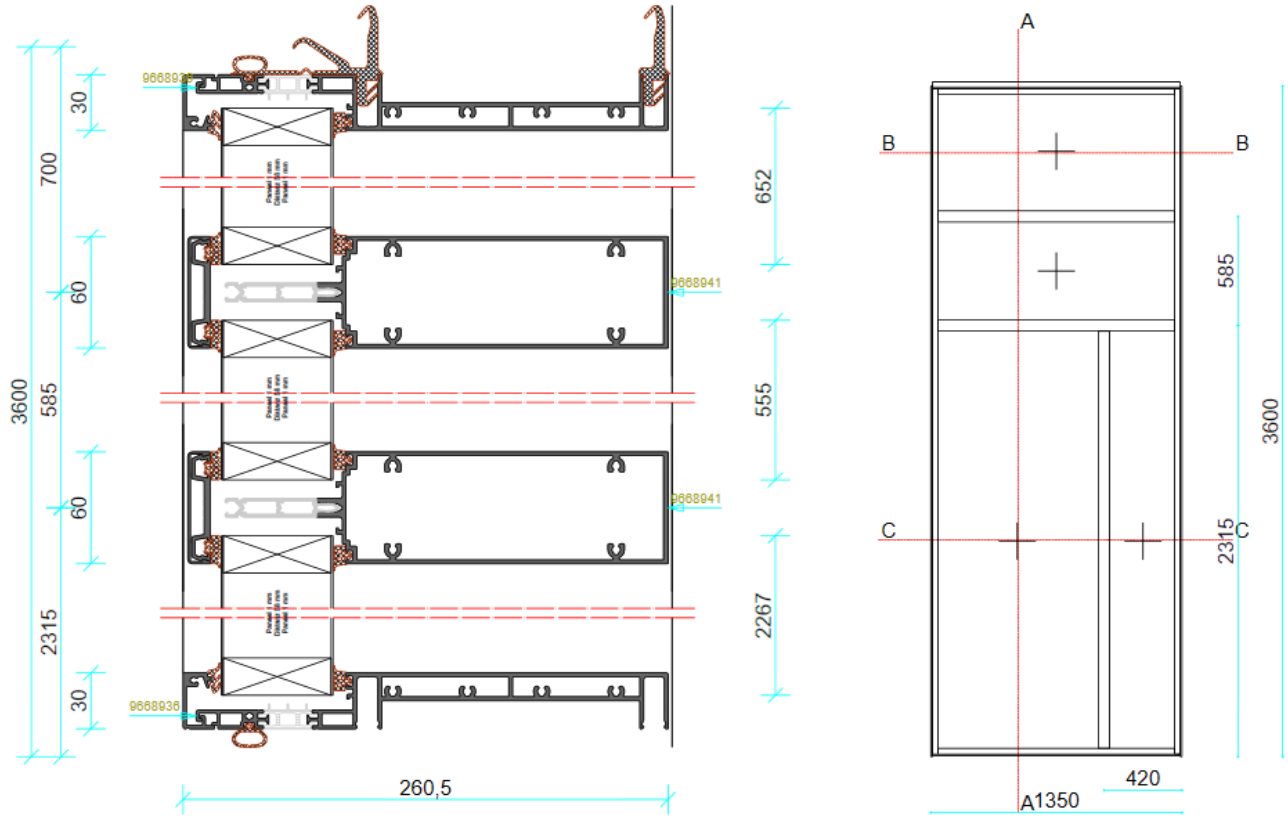


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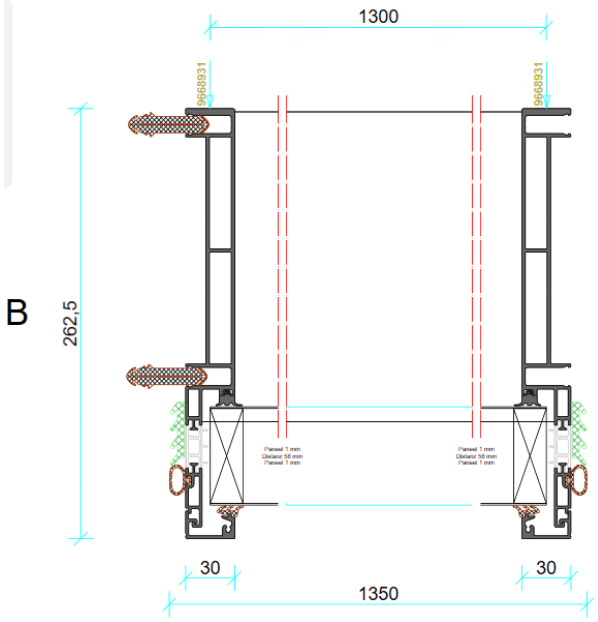


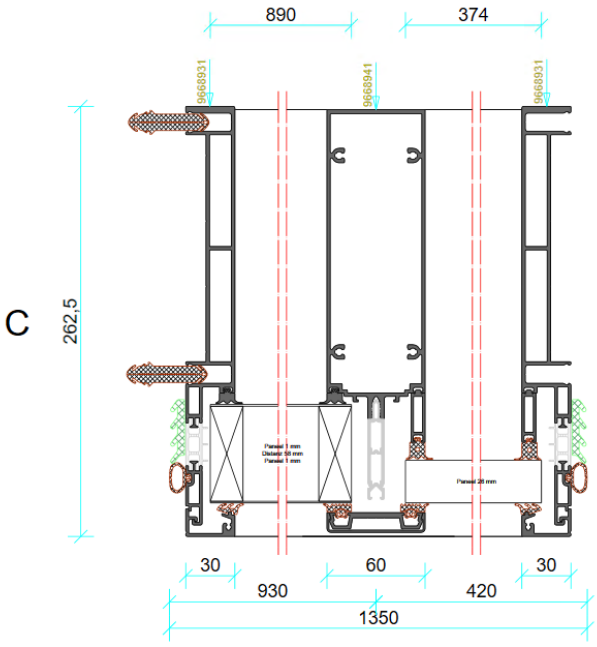
Reference modules

Project: V8 My Hive
Position: 002



A





Conditions for implementing special items

INTEGRATION of SPECIAL ITEMS (profiles / accessories / fittings) into WORK PREPARATION in SchüCal

Software service for special items (SchüCal implementation)

1. **Scope of services for the integration of SchüCal work preparation (excl. CAM)**

1.1 Integration profile:

In the quoted lump sum per profile according to the enclosed offer, the costs for programming the special profile and its use in up to 2 different types of module in a construction project in SchüCal are included. A type of module is defined, for example, by different glass thicknesses, profile combinations and/or different types of opening *(types of opening = outward or inward opening, single or multi-leaf)*.

1.2 Integration fittings / accessories:

In the quoted lump sum per item, according to the enclosed offer, are the costs for the programming of special fittings, special accessories or customised fittings for the input of this item in SchüCal article groups.

The integration of customer-specific door fitting items into the SchüCal door fitting manager requires a separate check and will be calculated after commissioning according to effort, at an hourly rate of 118.00 Euros. The data is valid for the current version of the program at the time of implementation. After a program upgrade, a new import into SchüCal with the supplied import files is required (see documentation on the item). Any necessary adjustment after a SchüCal program upgrade will be calculated after commissioning according to effort, at an hourly rate of 118.00 Euros.

The user thus has the possibility to generate output lists, like for the SchüCal standard systems, also for special constructions *(subject to a feasibility study and restrictions according to the offer)*. These are:

- Mass composition
- Order quantity list
- Glass arrangement
- Parts list
- Calculation
- Item drawing
- Cut optimisation
- Cut composition
- Module overview
- Glass plans
- Infill plan

Additional types of module are calculated according to effort, at an hourly rate of 118.00 Euros.

The geometry data required for processing on the machine (SchüCam) are provided in SchüCal and can be exported by the user and installed on the machine.

2. **Scope of services machine control**

2.1 SchüCal machine control of special profiles:

In addition, it is possible to implement special profiles for SchüCal machine control (MCo). This service is not included in this offer. If such an implementation is desired, we can offer it separately. The relevant programming will be charged after previous examination and a resulting offer calculated according to effort, at an hourly rate of 118.00 Euros. In the case of a commissioning, the programming for SchüCal MCo is executed according to the Schüco processing drawings. The mechanical machining operations are automatically generated in SchüCal or, if necessary, these are adjusted with SchüCal MCo-Filter and supplemented with processing lists. The data for the machine control have to be checked using a sample element before production. The data will be adjusted if necessary.

2.2 SchüCal machine control of customer-specific fittings (third-party fittings):
Furthermore, it is possible to implement customer-specific fittings for the machine control. This service is described in a separate offer.

2.3 Processing on the machine (SchüCam):
The Technical Customer Service can provide assistance for the processing on the machine, according to the “General Terms and Conditions of the Technical Customer Service” (see www.alukoenigstahl.com).

3. Conditions for implementation

For the integration of special designs, the "General Terms and Conditions of the AluKönigStahl GmbH Software Service for SCHÜCO" apply, as well as the conditions present here for the integration of special articles. In cases of contradictions, the latter precede the former. The tenders, order, feasibility tests, and integration of special products are made exclusively on the basis of the Terms and Conditions and the conditions for the integration of special articles, deviating conditions of the client are expressly not recognised. Regulations deviating in individual cases shall only apply if they have been agreed in writing.

When implementing special articles (special profiles / accessories / fittings), only system parts supplied by AKS are considered.
Accessory parts, such as fastening materials, insulation materials, etc. from third-party suppliers are not included, with the exception of customer-specific hardware items, which requires a separate offer (see below).
When implementing customer-specific hardware articles, the hardware components are recorded according to the specifications of the client (detailed installation drawings and details of the required mechanical processing).

Please note that due to programming reasons, special designs sometimes show up with differences compared to standard system input. These differences are to be taken into account above all with vulcanised sealing frames (cannot be determined), glazing *(glass blocks, glass overlay, glass strip holders may have to be manually deleted from the production lists)*, hardware determinations *(special fittings are calculated via hardware groups)* or sliding constructions *(currently via Microsoft® Excel with subsequent import into SchüCal)*. Further restrictions depend on the respective construction and can only be defined in detail after a corresponding feasibility check, which is carried out after awarding by the client.

3.1 In any case, a feasibility check must be carried out prior to final awarding for the integration of the special articles. This feasibility check will only be carried out in the course of awarding by the client under the provision of all necessary detailed drawings approved by the client *(production and implementation plans).* After successful completion of the feasibility check, AKS will inform the client whether the desired integration can be realised.

3.2 The created special articles are only applicable for the application cases defined by the client in the detailed plans.

3.3 The special profiles can only be used for the AVOR (work preparation), that is for the creation of BOMs and material extracts. Data for machine control are not included in the enclosed offer per profile. A CAM data processing can be offered separately if required.
The services offered can only be used in conjunction with the SchüCal software solutions provided by AKS.

3.4 The data / results sent to the client have been carefully checked, but ALUKÖNIGSTAHL assumes no liability for the accuracy - our general terms and conditions of sale and delivery apply in this regard.

3.5 Any changes subsequently requested or caused by the client will be charged after separate written order according to effort, at an hourly rate of 118.00 Euros.

SchüCal Data

We have carried out the input carefully, but we do not guarantee the accuracy and completeness of the results. In order to ensure faultless serial production, the manufacturing of a sample module by the processor is absolutely necessary, as well as a detailed data check.

Notes on import:

1. Download and run the file using the link below
2. Close SchüCal
3. Run “V8_MyHive_SchueCalProfiledata_V04.exe“
4. Activation of system Schüco USC 65 (only the first time necessary)
   Copy the file “V8_ MyHive_Activation_SchuecoUSC65.zip” into the following folder:
   C:\ProgramData\Schueco\SchueCal\System\Data\ServicePackImport
5. Exchangefile for profile 9668931
   Copy the file “V8_MyHive_9668931_V04.zip” into the following folder:
   C:\ProgramData\Schueco\SchueCal\System\Data\ServicePackImport
6. Start SchüCal
7. Import Backup of various backups (only the first time necessary)
   MCo Processing groups “V8_MyHive_SchueCal Processing Groups_V01.zip”
   Import Backup of MCo-Filter “V8_ MyHive_SchueCal MCO Filter_V01.zip”

By downloading the data, I take note of the above notes / conditions: Link