S B S

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Technical catalog

Building: FRS, Zagreb

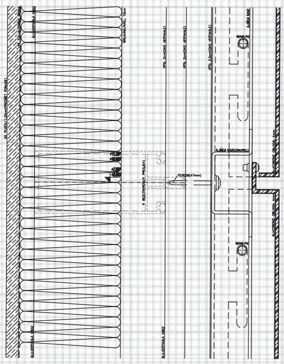
VENTILATED FACADES

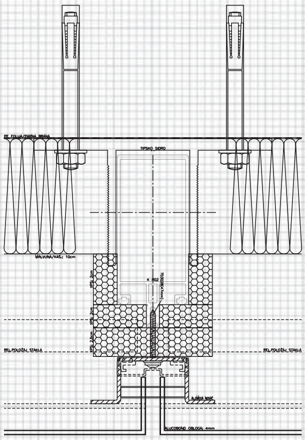
- ACP cladding
- HPL cladding
- Spider glazed facade
- Auminum brisoleys
- Stone cladding

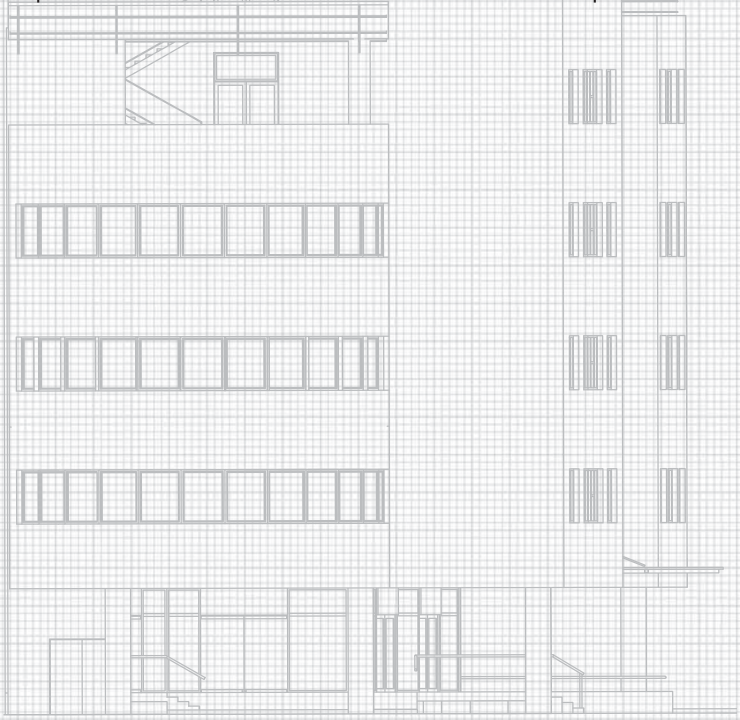
VENTILATED FACADES

ACP facade

ACP cladded facade helps to keep higher temperature of the external walls in winter (due to mineral wool insulation and the ventilated gap), thus preventing condensation and unpleasant side effects due to difference in temperature.



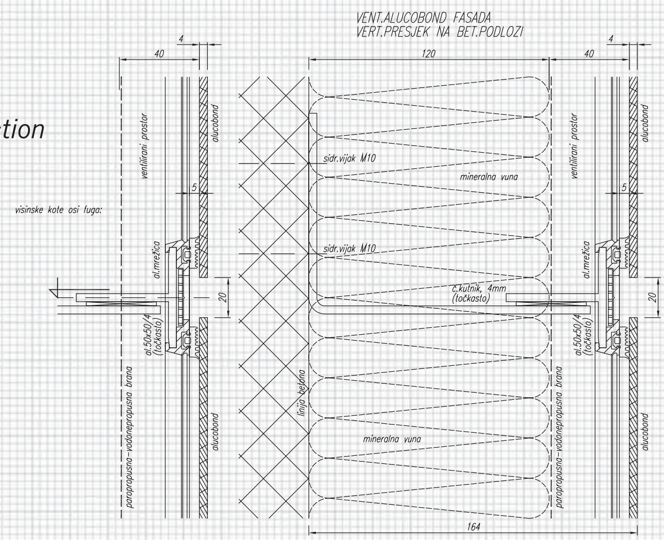




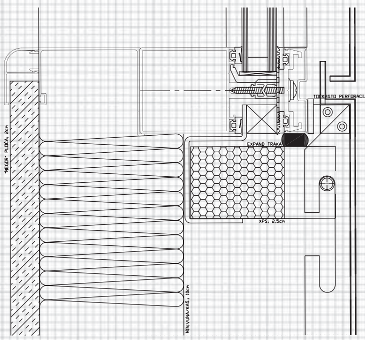
Vertical cross section detail *Horizontal cross section detail*

Building: VIP kidergarten, Žitnjak, Zagreb
Ventilated ACP facade

ACP facade
vertical cross section



Vertical cross section detail



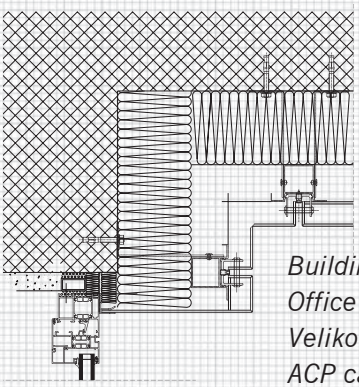
VENTILATED FACADES

Typical cross sections and details

Detail: hanging the ACP cassette onto aluminum subframe

Detail: Corner

Detail: earthing of the aluminum subframe



Building:
Office building Moto Veliko Polje, Zagreb
ACP cassette facade

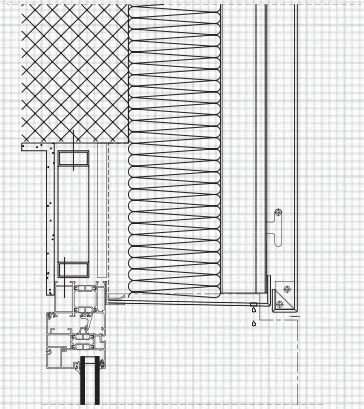
Technical description:

Profiles:

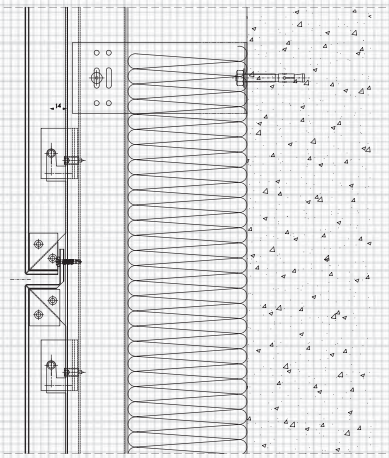
– Supporting aluminum brackets
– Vertical aluminum subframe (bearing capacity and drainage)

Installation Method:

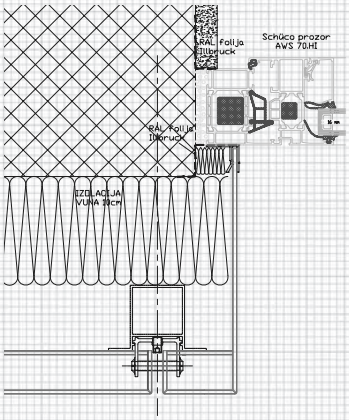
– Preformed and suspended (cassettes jointed with rivets or puzzles)
– Riveted onto aluminum subframe
– Glued onto aluminum subframe



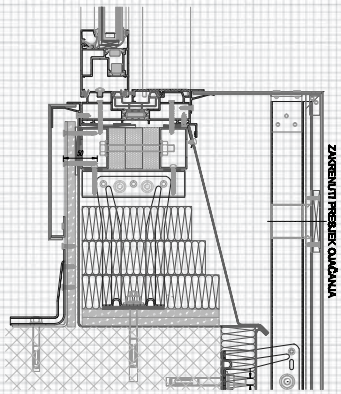
Vertical cross section of the soffit



Vertical cross section of the cassets joint



Horizontal cross section of joinery and ACP



Vertical cross section of ACP window sill

VENTILATED FACADES

Building: Dwelling building
Pavlenski put, Zagreb
HPL facade

HPL – compact sheets

Ventilated facade cladding made of high pressed laminates used for exterior and interior applications in the thickness of 6-10 mm.

The panel core is made of high-quality cellulose paper enriched by phenolic resins.

Detail of ACP and HPL ventilated facades junction

Detail of ventilated and ETICS facades junction

Detail of two ventilated facades junction

Ventilation detail at the bottom of the ventilated facade

VENTILATED FACADES

Technical description:

Profiles:

- Supporting aluminum brackets
- Vertical aluminum subframe

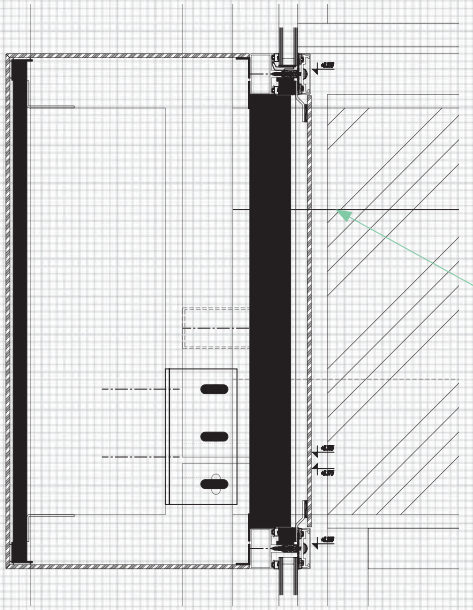
Installation Method:

- Riveted onto aluminum subframe
- Glued onto aluminum subframe

Building under construction

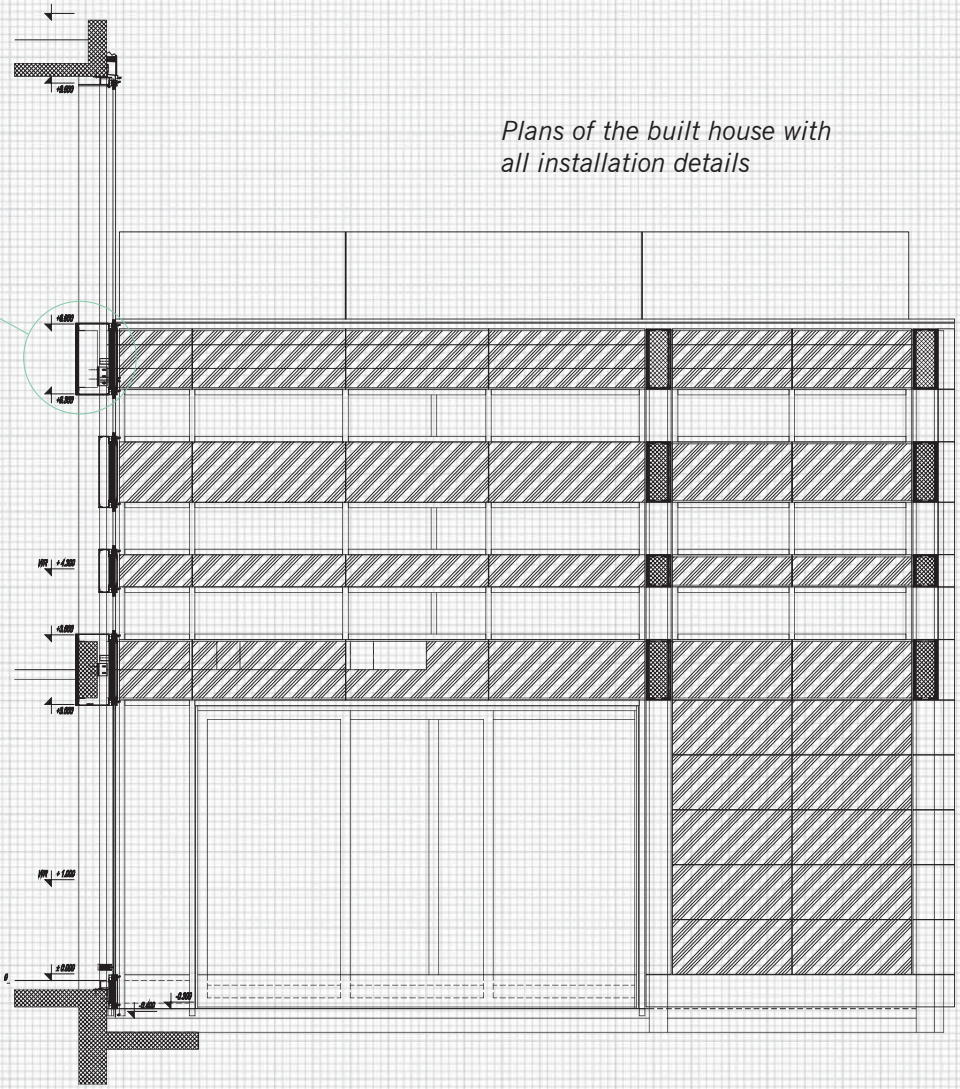
Building: Dwelling house, Zagreb
Max compact facade

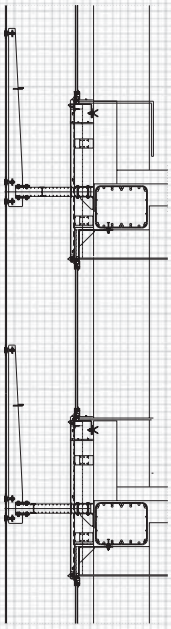
Completed building



Max compact installation detail between aluminum profiles

Plans of the built house with all installation details



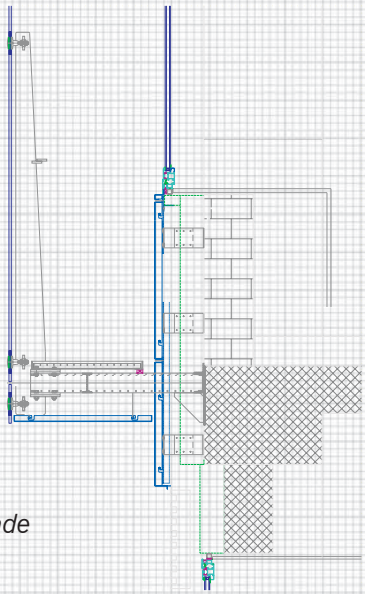


Building: VIP, Žitnjak,Zagreb
Spider facade

Spider glazed facade

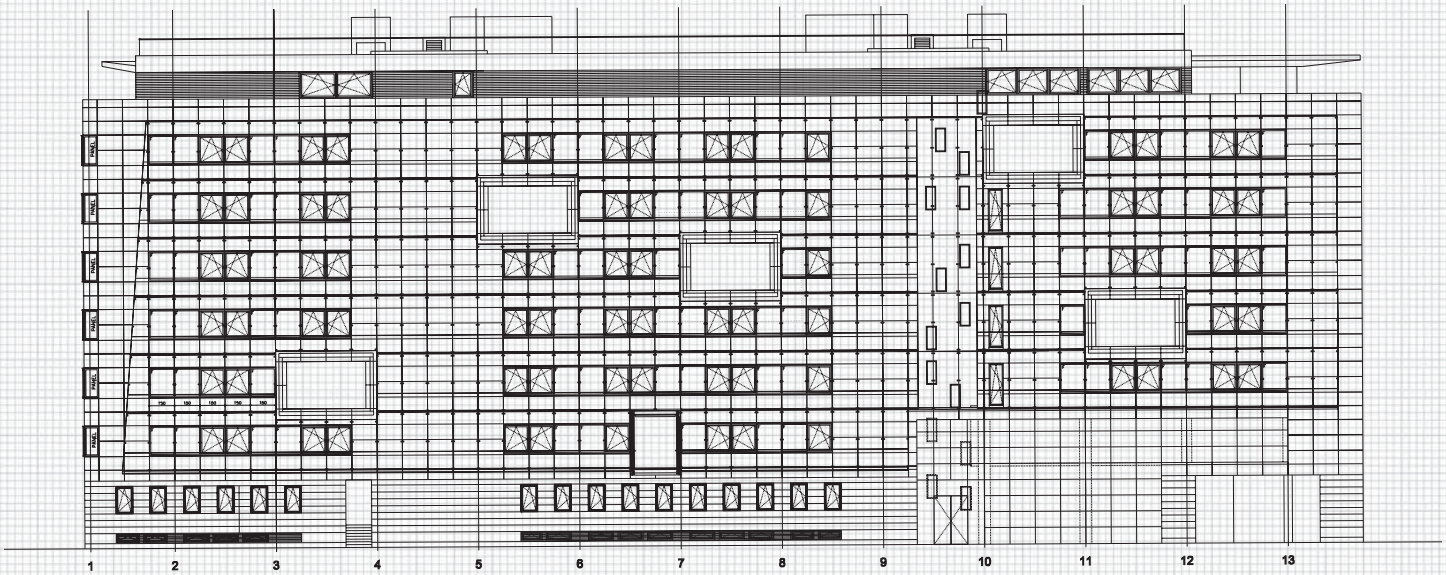
Pointed facades (spider) derive from the most demanding facade's function: to fulfill the advantage of maximum transparency of the glass, and to enable conection between the light and the protected space.

Building: VIP, Žitnjak, Zagreb
Spider facade



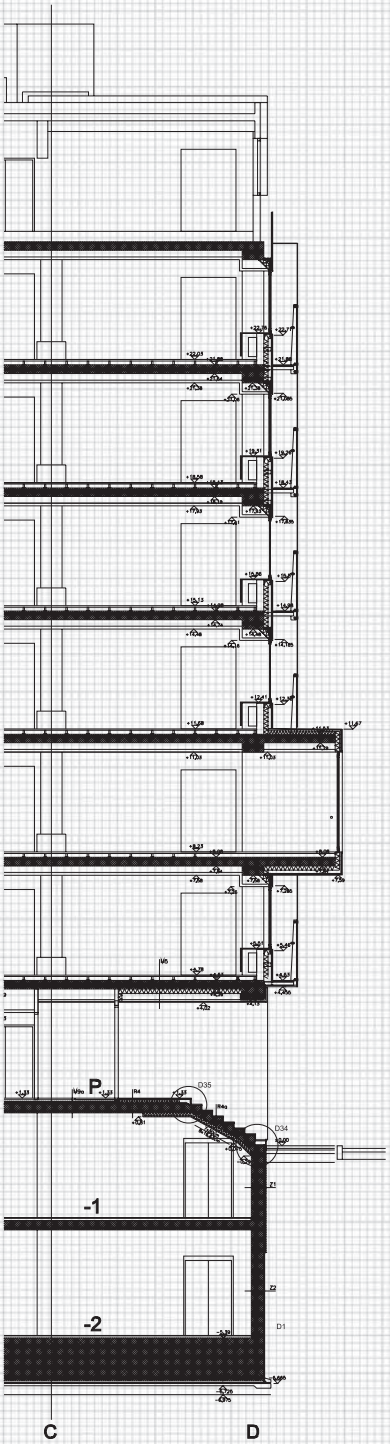
Vertical cross section of spider facade - promenade

View of the spider facade



VENTILATED FACADES

Building: VIP, Žitnjak, Zagreb
Spider facade



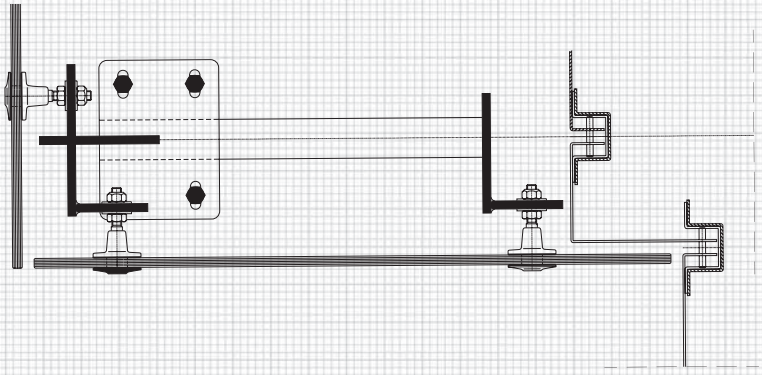
Technical description:

- Stainless steel cruciform fittings
- Glass with polished edges
- Silicone adhesive for the glass joints (10-15 mm)

Glass installation:

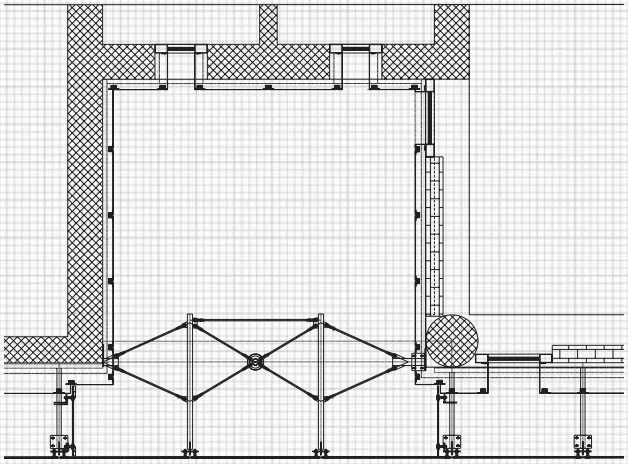
- The glass is fixed by cruciform fittings

Building: VIP,
Spider facade
- glass corner

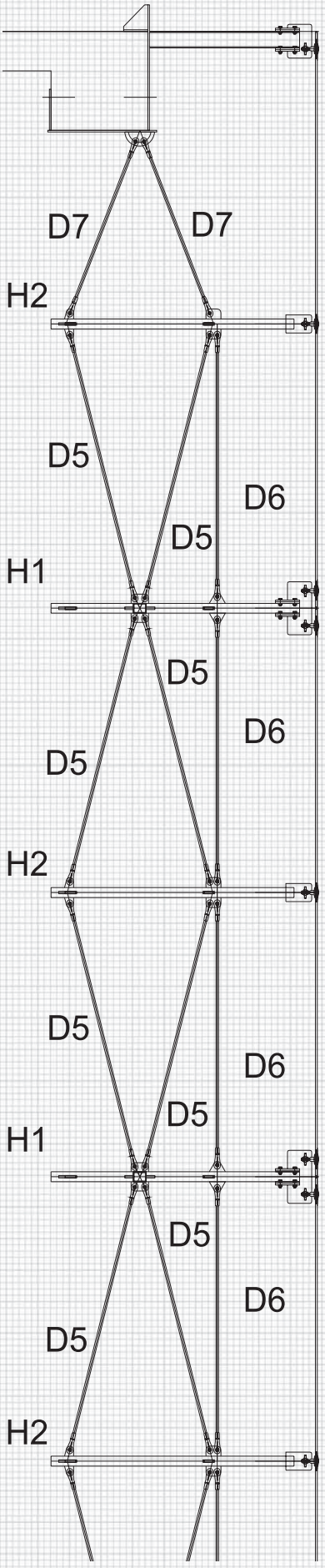


Horizontal cross section of the spider facade joints

VENTILATED FACADES

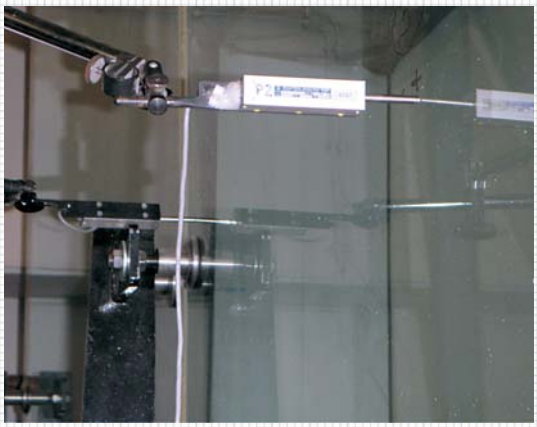


Spider fitting



The spider facade testing at IGH laboratory

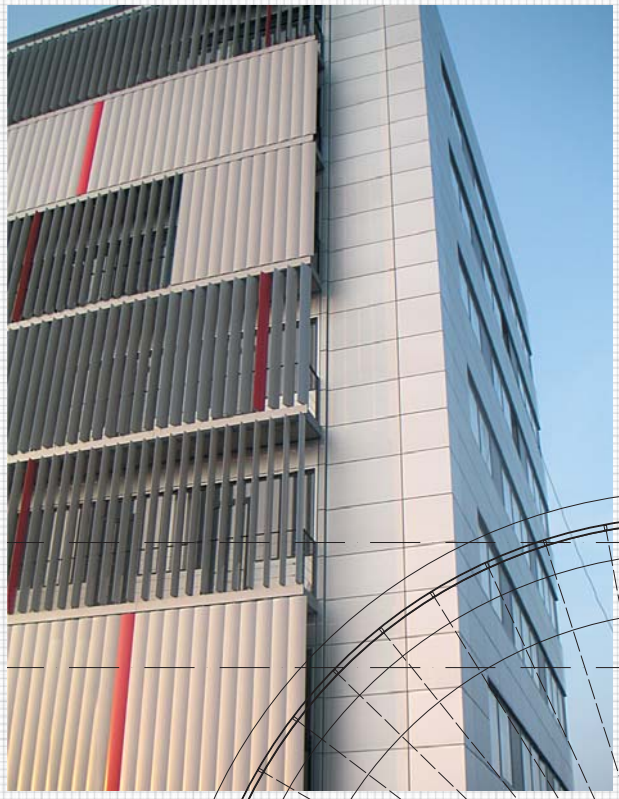
IGH (Croatian Building Institute) - Detailed testing of the spider façade (glass and stainless steel fittings) for the sake of attesting documents!

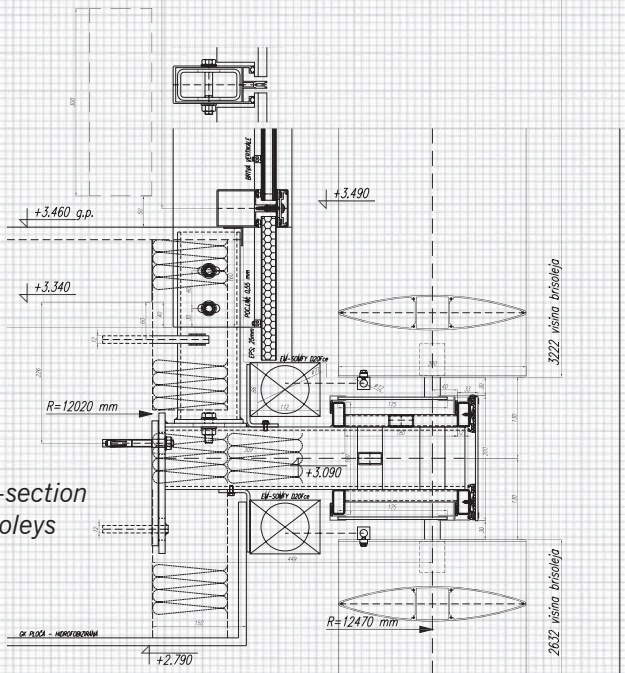


Aluminum brisoleys

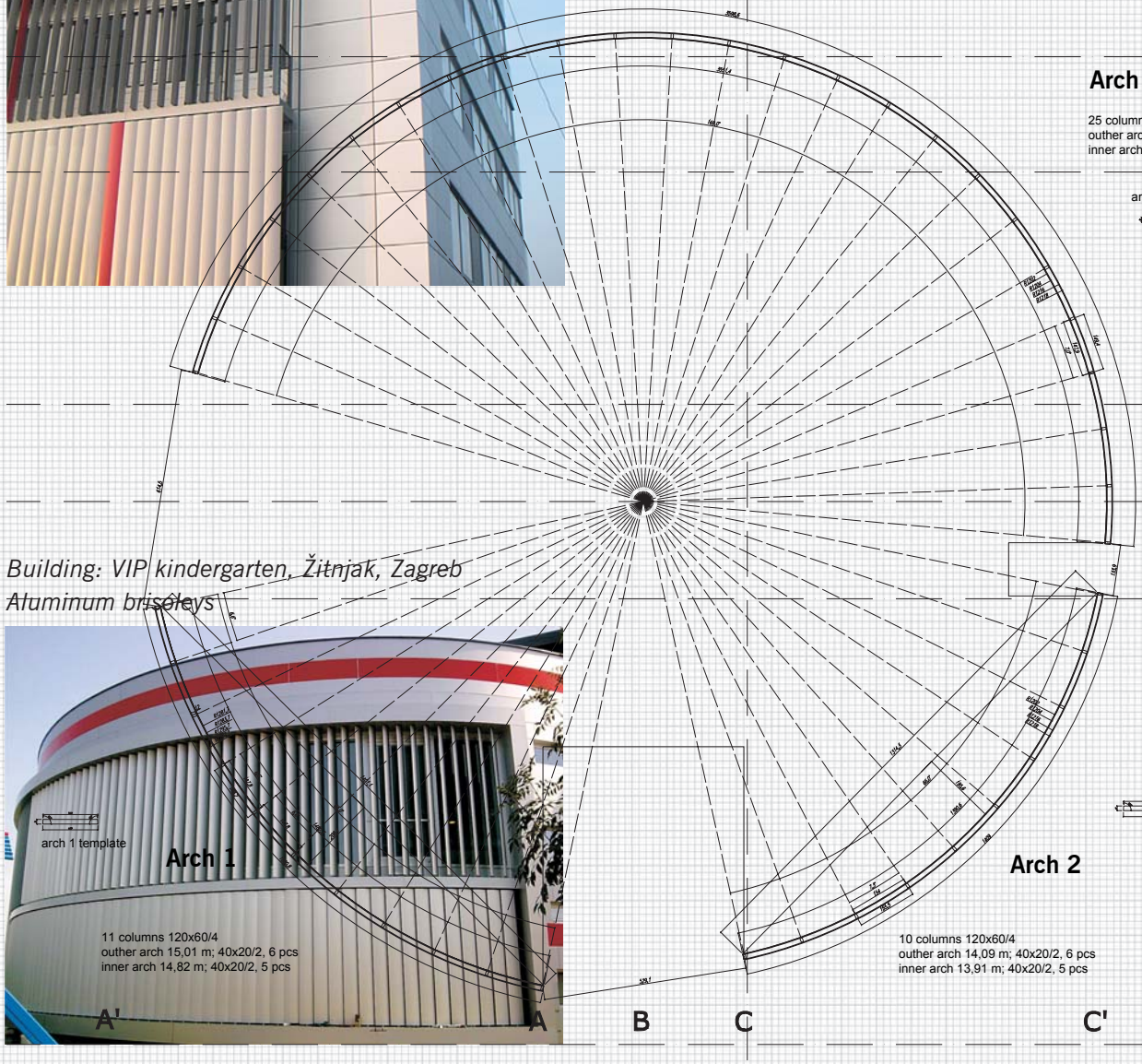
System consists of a series of profiles mounted onto a building to provide sun protection and architectural uniqueness

We offer brisoleys with photovoltaic cells for exploiting solar energy.





Vertical cross-section of mobile brisoleys



Arch 3

25 columns 120x60/4
outher arch 35,99 m; 40x20/2, 6 pcs
inner arch 35,51 m; 40x20/2, 5 pcs

arch 3 template

Building: VIP kindergarten, Žitnjak, Zagreb
Aluminum brisoleys

arch 1 template

Arch 1

11 columns 120x60/4
outher arch 15,01 m; 40x20/2, 6 pcs
inner arch 14,82 m; 40x20/2, 5 pcs

A' A

B C C'

arch 2 template

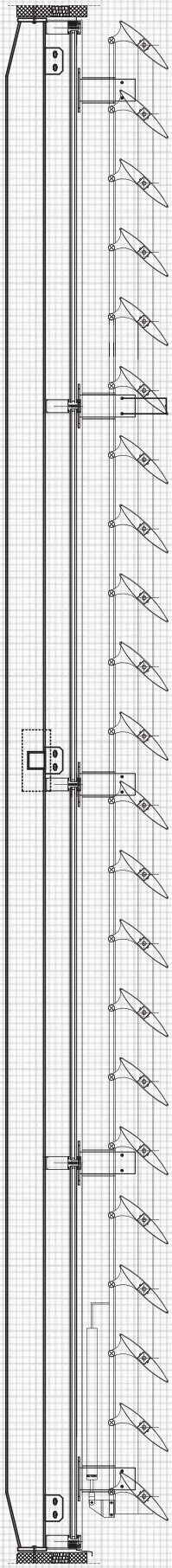
Arch 2

10 columns 120x60/4
outher arch 14,09 m; 40x20/2, 6 pcs
inner arch 13,91 m; 40x20/2, 5 pcs

Scale 1:100

VENTILATED FACADES

Vertical cross section



Technical description:

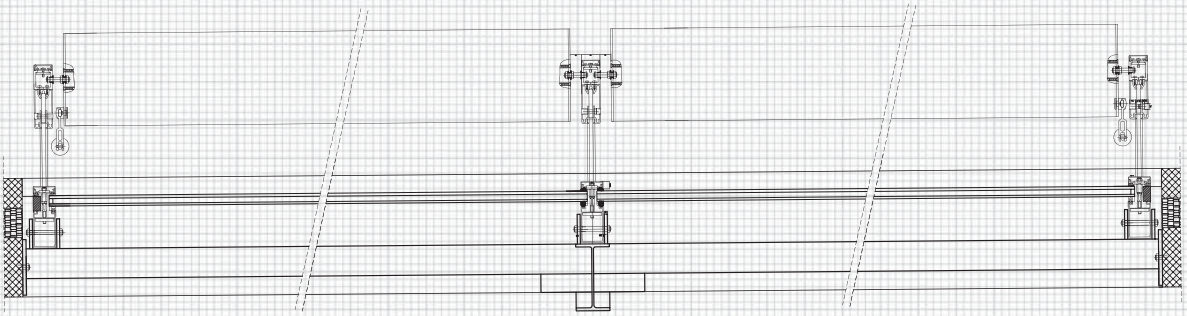
– horizontal and vertical brisoleys
– aluminum fittings (for fixed and mobile brisoleys)

Brisoley's mounting:

– Subframe is mounted onto an aluminum facade or other surface (eg. steel frame, concrete wall...)

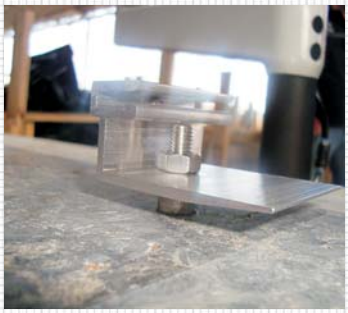
Building: Radin, Sveta Nedelja
Aluminum brisoleys

Horizontal cross section



Fasade details with aluminum brisoleys

VENTILATED FACADES



Building: Maksimir, Zagreb, Stone cladded ventilated facade

Stone cladded ventilated facade

Due to the high precision assembly of it's aluminum subframe, fixings and stone suspention, this type of ventilated facade is considered as very demanding. To ensure that vertical and horizontal joints of the façade turn out well enough, it is necessary to first make an quality measurement the of the building, for the errors that might occur, are unacceptable and irreparable.

Cutting and drilling of stone elements is very important part of installation, for if they are not placed exactly as drawn on the technical details, vertical and horizontal unevenness, and difference in depth will be visible on the facade.

Technical description:

- horizontal and vertical aluminum subframe
- stone with built-in-fischer dowels + brackets

Stone installation:

- The stone elements are suspended onto aluminum subframe by four built-in brackets, the upper two are bearing, and the lower two are holding the elements in plane.

VENTILATED FACADES

Building: Private house, Zagreb
Max compact HPL facade

S.B.S. d.o.o. for manufacturing, trading, import and export

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