POTKONSTRUKCIJA
ZA VENTILISANU FASADU

SUBSTRUCTURE FOR
THE VENTILATED FACADE

Tabaš d.o.o.

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Fasadna potkonstrukcija

Ventilisane fasade od kamena
Ventilated stone facades

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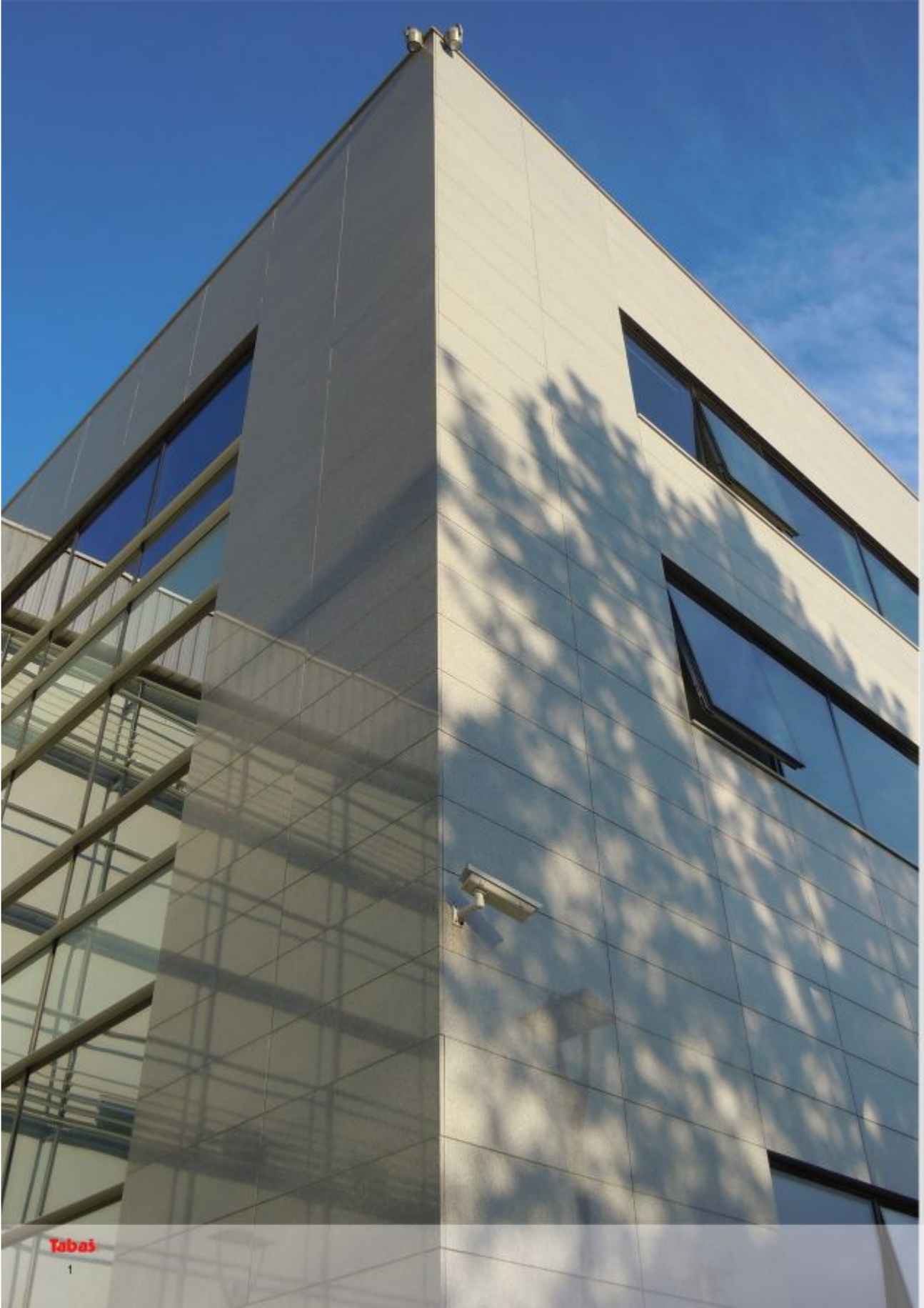


ŠTA JE VENTILISANA FASADA?

Za ventilisanu fasadu smatraju se strukture koje su realizovane "u suvo", a sa namenom da pokriju jednu vertikalnu površinu. Slobodna površina izmedju fasadne obloge i konstruktivnog dela objekta je projektovana da vazduh koji se nalazi izmedju može slobodno i prirodno da struji, nezavisno od doba godine ili dana.
Ventilisanu fasadu čine sloj za:
-termoizolaciju
-ventilaciju (neprekidni vazdušni sloj)
-fasadnu oblogu (kamen, keramika, opekarski proizvod i drugi).
Ventilisane fasade omogućuju, ne samo brojne estetske prednosti, već nude i životnu udobnost i trajnost arhitektonskog dela.

ESTETIKA I ARHITEKTONSKA SLOBODA

Ovakav sistem fasade projektantu omogućava neograničen izbor odabira obrada i boja obloga. Prirodni materijal,kamen,na fasadi odaje impozantan vizuelni efekat. Uz veliku mogućnost postavljanja i rasporedjivanja fasadne obloge na različite načine, projektant ima slobodu izražavanja. U prazan prostor izmedju fasadne obloge i konstruktivnog dela objekta moguće je smestiti različite instalacije bez narušavanja arhitekture same zgrade.

TEHNIČKE KARAKTERISTIKE

Zaštita fasade od atmosferskih uticaja kao sto su: kiša , snežne padavine, vetar, sunčevi zraci, u potpunosti je efikasna. Medjuprostor-sloj za ventilaciju koji omogućava ventiliranje doprinosi eliminisanju vlage i pojavu fleka od kondenza na spoljnom delu fasade. Fasada omogućava eventualne popravke na zgradi, kao i radove na odrzavanju.

IZOLACIJA

Sve vodeće zemlje sveta su već uvele striktne standarde za projektovanje fasadnih omotaca zgrade. Znamo da je najosetljivija tačka pri uštedi energije baš spoljni zid objekta. Iz tog razloga termička izolacija ventilisane fasade je smeštena u prazan prostor izmedju fasadnog dela obloge i konstruktivnog dela zgrade, pa time osetno moze da doprinese uštedi energije i preko 20% . Kombinacijom kamene obloge i vazdušnog prostora dodatno se povećava i zvučnu izolovanost zgrade.

WHAT IS VENTILATED FACADE?

Ventilated facade is a structure built „dry", with a purpose to cover one vertical surface. The gap between the cladding and the building structure is designed so that the air between them can flow freely and naturally, regardless of the time of year or day.
Ventilated façade is composed of:
-the layer of thermal insulation
-layer of ventilation (infinite air layer)
-layer of cladding (stone, ceramics, brick, and other materials).
Beside numerous aesthetic advantages, ventilated facades also provide environmental comfort and architectural durability

AESTHETICS AND ARCHITECTURAL FREEDOM

This type of façade system allows the designer to implement an unlimited range of processing techniques as well as to choose from an endless variety of cladding colors. Façade made of natural materials, such as stone,
produces a powerful visual effect. A great possibility of installing the cladding in different ways gives the designer a freedom of expression. Various installations can be placed in the air gap between the cladding and the building structure without ruining the building's architecture.

TECHNICAL SPECIFICATIONS

The façade is fully protected from the weather conditions such as: rain, snow, wind and sun. The inner layer of ventilation helps to eliminate the moisture and occurrence of condensation stains on the external part of the façade. If needed, this type of façade can be easily repaired, as well as maintained.

INSULATION

All leading world countries have already introduced strict standards for cladding design. We are familiar with the fact that the most sensitive area when considering energy savings is the very external wall of the building. This is why the thermal insulation of the ventilated façade is located in the air gap between the cladding and the building structure, and is therefore able to contribute considerably to saving energy, up to over 20%. This combination of stone cladding and air gap further increases the soundproofing of the building

KOJE SU PREDNOSTI VENTILISANIH FASADA?

FASADE OTPORNE NA TERMIČKE PROMENE

Odvajanjem fasadne obloge od konstruktivnog dela zgrade štitimo zgradu od atmosferskih uticaja, a time povećavamo i postojanost strukture objekta.

FACADES RESISTANT TO THERMAL CHANGES

By separating the cladding from the building structure, we protect the building from weather conditions, thereby increasing the stability of the building structure.

STRUKTURA KOJA JE OTPORNA I POSTOJANA

Ventilirajuća fasada je rešenje za oblaganje i zaštitu spoljnih zidova koje nudi brojne funkcionalne i estetske prednosti. Prirodni materijal,kamen, proizvodi spektakularan vizuelni efekat. Mala absorbcija vode, kao i lakoca odrzavanja i ciscenja daju ovoj fasadi dug vek trajanja.

RESISTANT AND STABLE STRUCTURE

Ventilated façade is the solution for cladding and protection of the external walls which offers numerous functional and aesthetic benefits. Natural materials, such as stone, produce a remarkable visual effect. Low water absorption as well as easy maintenance account for the long life of this type of façade.

REVIZIJA

Sistem Tabaš nudi rešenje za eventualne popravke, demontažu ili

REVISION

Tabaš system offers a solution for possible repairs, removal or replacement of damaged slabs, as well as maintenance.

WHAT ARE THE ADVANTAGES OF VENTILATED FACADES?

UŠTEDA ENERGIJE

Zgrada na kojoj se nalazi ventilirajući zid praktično poseduje sistem koji može osetno da doprinese uštedi energije.Zimi smanjuje utrošak energije za grejanjem, a leti za hlađenjem.

ENERGY SAVINGS

A building with a ventilated façade practically possesses a system that can substantially contribute to saving energy.In wintertime, it reduces the energy used for heating, and in summertime it reduces the energy used for cooling.

VENTILACIJA SPREČAVA VLAGU

Ventilirajuća fasada eliminiše vlagu i sprečav pojavu fleka i kondenza na fasadi. Praktično se u potpunosti sprečavaju negativni efekti atmosferskih padavina.

VENTILATION PREVENTS MOISTURE

Ventilated façade eliminates moisture and prevents the occurrence of condensation stains on the façade. In other words, it completely prevents the negative effects of weather conditions.

ZVUCNA IZOLACIJA

Kombinacija obloge od prirodnog materijala, kamena i vazdušnog prostora znatno se povećavaju fonoizolacione karakterisike spoljneg zida zahvaljujući stvaranju "duplog zida" koji je odvojen vazdušnom strujom-sloja za ventilaciju.

SOUNDPROOFING

The combination of cladding made of natural material, stone, and the air gap significantly increases the phono-insulating characteristics of the external wall, due to the formation of a "double wall" which is separated by the air current in the ventilation layer.

USLUGE KOJE PRUŽA FIRMA TABAŠ

Tehnički biro firme Tabaš je tim koji na osnovu dugogodišnjeg iskustva za jako kratak vremenski period može da izradi ponudu na Vaš upit uz pružanje konsultanskih usluga. Za izradu ponude, neophodan nam je projekat vašeg objekta, kao i tehnički opis fasade.

PROJEKTOVANJE

Na početku izrade svakog projekta, naši Projektanti mogu vam pružiti pomoć pri odabiru sistema za Vašu fasadu. Na raspolaganju smo da protumačimo specifične potrebe svakog klijenta, daćemo konsultacije o tipu materijala i vrstama obrade.Takodje, postoji veliki broj tipskih detalja, koji vam u fazi izrade idejnog projekta mogu pomoći.

Faza definisanja sistema potkonstrukcije je faza u kojoj, uzevši u obzir podatke o: vrsti konstrukcije objekta na kojoj se fiksira fasada, udaljenja lica fasadne obloge od same konstrukcije objekta, veličina i vrsta ploča fasadne obloge, težina ploča, kao i klimatski uslovi, možemo definisati i odabrati sistem potkonstrukcije.

Izrada statičkog proracuna za svaki veći objekat je obavezna prvenstveno radi sigurnosti samog objekta. Svaki statički proračun sadrzi izradu detaljnog proračuna koji definise i dimenzionise sve nosive elemente fasade, uzimajući u obzir lokalne uslove(seizmička zona, brzina vetra, temperaturne promene i dr.)

Izrada grafickih priloga, koji sadrže sve karakteristične detalje, kao i celokupan plan montaže. Plan montaže služi za tačno definisanje svih površina koje se oblažu ventilisanom fasadom. U ovoj fazi je moguće uraditi sve novonastale izmene, a pre montaže, koje su prateći deo izvodjenja svakog objekta. Pri izradi karakterističnih detalja, moguce je uklopiti i ostale pozicije na objektu sa pozicijom fasade.

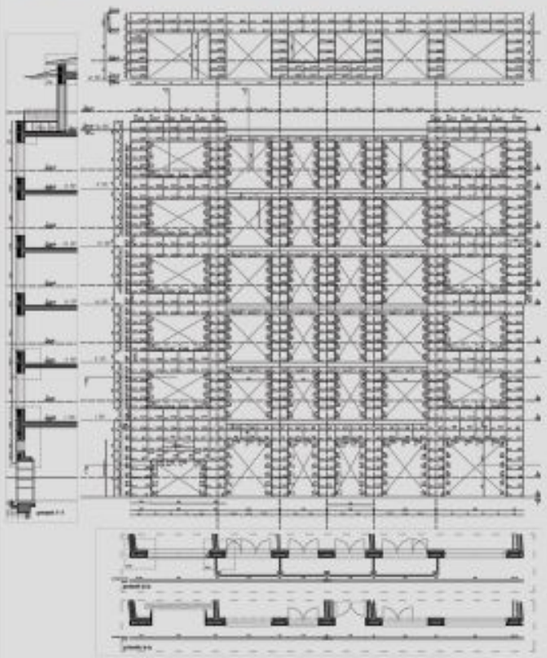
Izrada tačne dokumentacije za naručivanje fasadne obloge,u ovoj fazi tačnim merenjem utvrdjuju se krajnje dimenzije fasadne obloge-pojedinačnih ploca, kao i izrada dokumentacije koja služi za sečenje i obradu fasadne obloge-krojne liste.

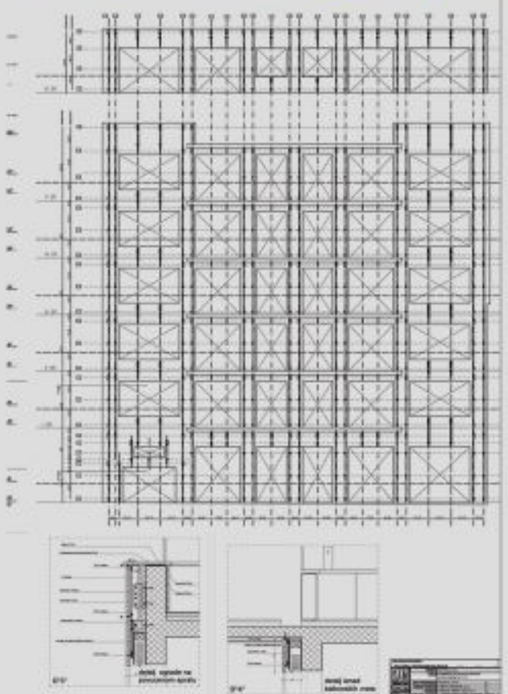
MONTAŽA

Usluga može biti personalizovana u skladu sa posebnim zahtevima klijenta.

Usluga „ključ u ruke": u ovom slučaju montažu obavljaju specijalizovane ekipe Tabaš, koje imaju odgovarajuću opremu i instrumente neophodne za precizno i profesionalno izvodjenje radova. Prisustvo naših stručnjaka garantuje da će radovi biti korektno izvršeni, sa ciljem da klijent bude siguran u njihovu kvalitetnu izradu, kako enterijera tako i eksterijera.

„Vidovi" asistencije: u slučaju da Naručilac radova koristi sopstvene ekipe za izvodjenje radova, Tabaš može da obezbedi potrebnu obuku za izradu fasada po pravilima struke i zanata, isporučuje potrebnu opremu i šalje stručno lice koje daje instrukcije na samom gradilištu.





SERVICES PROVIDED BY THE COMPANY TABAŠ

The Technical Bureau of the company Tabaš is a highly experienced team able to promptly make an offer at your request, as well as provide consulting services. In order to make an offer, we need the design of your building, as well as a technical description of the façade.

DESIGN

When starting the development of your design, our designers can provide you with assistance in choosing the system for your façade. We are available to analyze the specific needs of every client, provide consultations on the type of material and different processing techniques. There are also a great number of standard details which can help you in the stage of making the design.

The defining of the substructure system is a stage where we are able to define and choose a substructure system, having in mind the information about: the type of building structure where the cladding is to be installed, distance of the face of the cladding from the building structure, size and type of cladding slabs, slab weight, as well as weather conditions.

Making the structural analysis for large buildings is required primarily because of the safety of the very building. Each structural analysis includes preparation of a detailed analysis defining and dimensioning all load-bearing elements of the façade, taking into account the local conditions (seismic zone, wind speed, temperature changes, etc.).

Making graphs.Graphs contain all the specific details, as well as the entire erection plan. Erection plan is used to correctly define all surfaces that should be ventilated. At this stage, before the installation, it is possible to make all the newly emerged changes which follow every execution of building works. In developing the specific details, it is possible to set up the other positions (glass façade, etc.) on the building according to the position of the façade.

Making exact documentation for ordering cladding. At this stage, we use exact measurements to determine the final dimensions of the cladding – individual slabs, and also prepare documentation used for cutting and processing of cladding – stone cutting plans.

INSTALLATION

The service can be customized according to the client's special requests.

The "turnkey" service: in this case, the installation is carried out by Tabaš's specialized teams that have appropriate equipment and tools necessary for precise and professional execution of works. Our experts guarantee the works will be carried out correctly, and their goal is to do a quality work, both in the interior and in the exterior, so that the client is satisfied.

"Ways" of assisting: in case the Orderer of Works uses his own teams for execution of works, Tabaš can provide the necessary training for installing facades, following the rules of craft, deliver the needed equipment and send an expert who will give instructions on the site.

ELEMENTI POTKONSTRUKCIJE "TABAŠ"

ANKERI

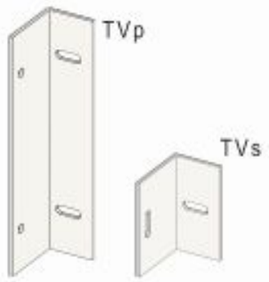
ankerni nosač TVp i TVs

-legura AW 6063 T6 ili T66
-izradjen od L profila
-dimenzije 75x50 debljine 4mm
-oznaka primarnog nosača je TVp, dužine-246mm
-oznaka sekundarnog nosača je TVs, dužine-96mm
-koriste se za fasade gde je termički sloj debljine 5cm ili gde termičkog sloja nema.
-Vezni materijal (ankeri) za fiksiranje u beton mogu biti Ø 8 ili Ø10

ANCHORED BRACKET

bracket TVp and TVs

-alloy AW 6063 T6 or T66
-made of L profile
-dimensions: 75x50, thickness 4mm
-the primary bracket is marked TVp, 246mm long
-the secondary bracket is marked TVs, 96mm long
-they are used for facades where the thermal layer is 5cm thick, or where there is no thermal layer.
-Fixings (anchors) for fixing in concrete can be Ø 8 or Ø10



TEHNICKE KARAKTERISTIKE "TN" PROFILA

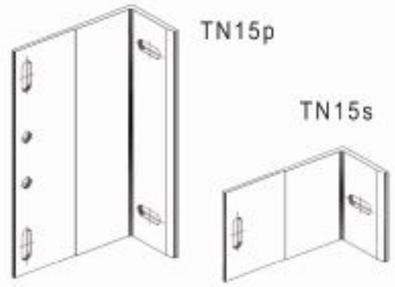
-četiri različite dimenzije TN nosača, zavisno od udaljenja lica kamena.
-legura AW 6063 T6 ili AW 6082 T6 ili T66
-izradjen od namenskog L profila
-dimenzije70x130(TN13) 70x150(TN15); 70x180 (TN18); 70x230 (TN23)
promenljive debljine od 4-7mm
-oznaka primarnog nosača je TNp,dužine: 246mm ,
-oznaka sekundarnog nosača je TNs,dužine 96mm
-koriste se za fasade gde je termički sloj debljine izolacije 10cm, 12cm, 15cm i 20cm.
-Vezni materijal (ankeri) za fiksiranje u beton mogu biti Ø 8, Ø10 ili Ø 12mm
-otvori na nosaču su promeljnivi zavisno od potreba na samom objektu.

TECHNICAL CHARACTERISTICS OF "TN" PROFILES

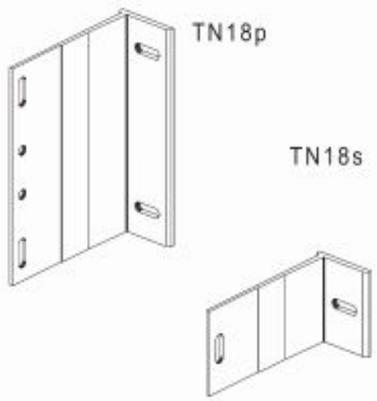
-four different dimensions of the TN bracket, depending on the distance .
-alloy AW 6063 T6 or AW 6082 T6 or T66
-made of the purpose L profile
-dimensions:70x130(TN13) 70x150(TN15); 70x180(TN18) 70x230(TN23) ,
various thicknesses: 4-7mm
- the primary bracket is marked TNp, 246mm.
- the secondary bracket is marked TNs, 96mm
- they are used for facades where the thermal layer is 10cm, 12cm, 15cm and 20cm thick.
- Fixings (anchors) for fixing in concrete can be Ø 8, Ø10 or Ø12mm
-the openings on the support are changeable depending on the needs of the building itself.

ankerni nosač TN13 i TN15

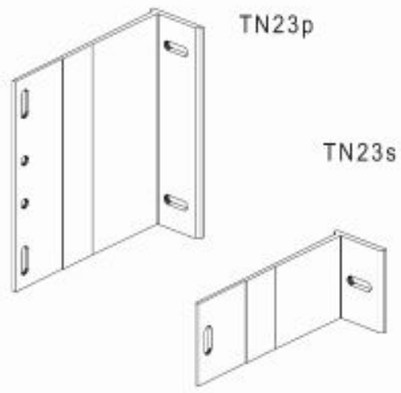
bracket TN13 and TN15



ankerni nosač TN18 i TN23



bracket TN18 and TN23



SUBSTRUCTURE ELEMENTS "TABAŠ"

VERTIKALNI NOSAČI

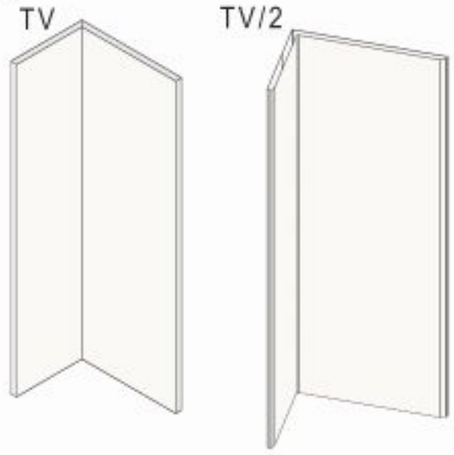
vertikalni nosač TV i TV/2

-legura AW 6063 T6 ili T66
- element TV izradjeni od L profila dimenzija AxB 75x50 debljine 4mm
-koristi se kao vertikalni profil za prihvatanje horizontalnih nosača oznake TH1, TH2 i TH3
-element TV/2, L profil dimenzija 75x45x3mm
-koristi se kao vertikalni profil za prihvatanje horizontalnih nosača oznake TH1/2, TH2/2 i TH3/2

VERTICAL MULLIONS

vertical mullions TV and TV/2

-alloy AW 6063 T6 or T66
- element TV made of L profiles, dimensions: AxB 75x50, 4mm thick
-it is used as vertical profile for attaching horizontal rails marked TH1, TH2 i TH3
-element TV/2, L profile, dimensions 75x45x3mm
- it is used as vertical profile for attaching horizontal rails marked TH1/2, TH2/2 i TH3/2



HORIZONTALNI NOSAČI

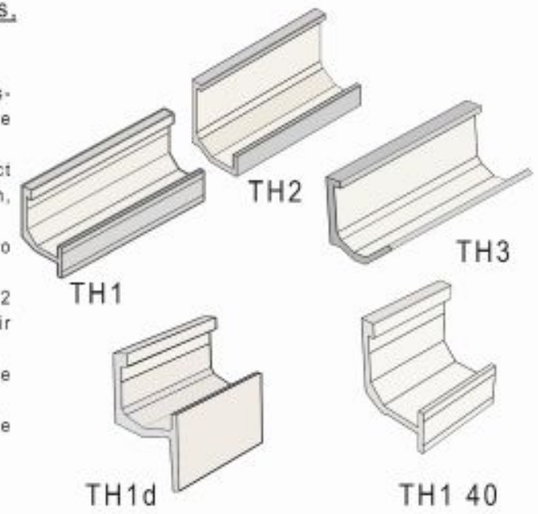
nosač za ploče debljine 3cm

-legura AW 6063 T6 ili T66,
-profil je složenog poprečnog preseka, debljine 4mm, pera d=3mm
-horizontalni nosači za direktno prihvatanje ploča d=2cm, 3cm, 4cm i deblje
-ploče d=3cm,mogu biti visine do 200cm
-oznake su TH1, TH2 i TH3, zavisno od namene koju imaju.
-TH1d je horizontalni profil koji omogucava vidnu fugu.
-TH1 40 je horizontalni profil koji omogućava deblje kamene ploče.

HORIZONTAL RAILS

horisontal rail for slabs, 3 cm thick

-alloy AW 6063 T6 ili T66,
-Profile made of complex cross-sectional, 4mm thick, tongue d=3mm
-horizontal rails for direct attachment of slabs d=2cm, 3cm, 4cm and thicker
-slabs d=3cm, can be up to 200cm high
-the rails are marked TH1, TH2 i TH3, depending on their purpose.
-TH1d is a horizontal profile that allows visible fugue.
-TH1 40 is a horizontal profile that allows ticker stone slabs.

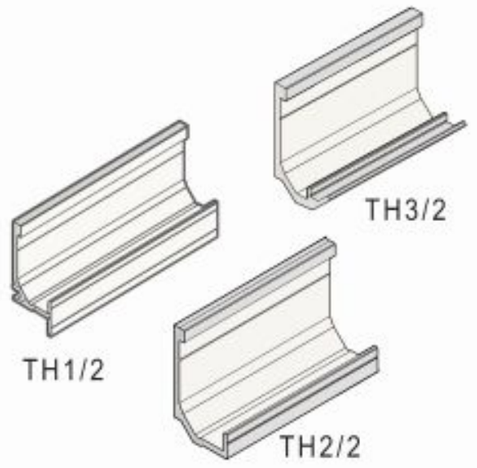


nosač za ploče debljine 2cm

-legura AW 6063 T6 ili T66,
-profil je složenog poprečnog preseka, debljine 3mm, pera d=2mm
-horizontalni nosači za direktno prihvatanje ploča d=2cm, 3cm.
-ploče d=2cm,mogu biti visine do 80cm, a tokodje mogu nositi i ploče d=3cm,visine 60cm
-oznake su TH1/2, TH2/2 i TH3/2, zavisno od namene koju imaju.

horisontal rail for slabs, 2cm thick

-alloy AW 6063 T6 or T66,
- Profile is made of a comple: cross-sectional, 3mm thick tongue d=2mm
-horizontal rails for direc attachment of slabs d=2cm 3cm.
-slabs d=2cm, can be up t 80cm high, and they can als hold slabs d=3cm, 60cm high
-the rails are marked TH1/2 TH2/2 i TH3/2, depending o their purpose.



SISTEMI POTKONSTRUKCIJE TABAŠ

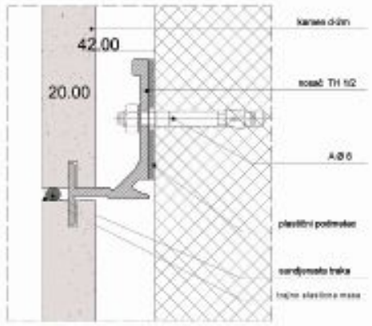
SISTEM TABAŠ E.2 i E.3

-sistem je predvđen za enterijerska rešenja i spoljne površine koje nemaju termoizolaciju.
-standardno udaljenje lica kamena d=2cm, od konstrukcije objekta je do 40mm, a za kamen od d=3cm je do 50mm
-mogućnost postavljanja i keramičkih ploča d=2cm
-anker za vezu sa betonom je M6 ili M8 A4
-horizontalni nosači se fiksiraju direktno na zidnu površinu.
-fuge mogu biti punjene trajno elastičnom masom ili prazne
-sistem je projektovan za kamen debljine 2cm i 3cm. Za kamen debljine 3cm i visine veće od 60cm, treba da se koriste horizontalni profili oznake TH1, TH2, TH3, debljine zida 4mm

TABAŠ SYSTEM E.2 i E.3

-the system is designed for interior and solutions of the external surfaces that do not have thermal insulation.
-standard distance from the face of stone (d=2cm) to the building structure is 40mm, and from the face of stone (d=3cm) to the building structure is 50mm,
- there is a possibility to install ceramic tiles d = 2cm.
-there are two M6 or M8, A4 anchors for concrete fixing,
- horizontal profiles are fixed directly to the wall surface.
- the jpint can be filled with permanently elastic mass or empty.
-system is designed for the stone thickness 2cm and 3cm.
For a stone thickness of 3cm and higer than 60cm, the horizontal profiles TH1, TH2, TH3, wall thickness 4mm, should be used

sklop E.2



SUBSTRUCTURE SYSTEMS TABAŠ

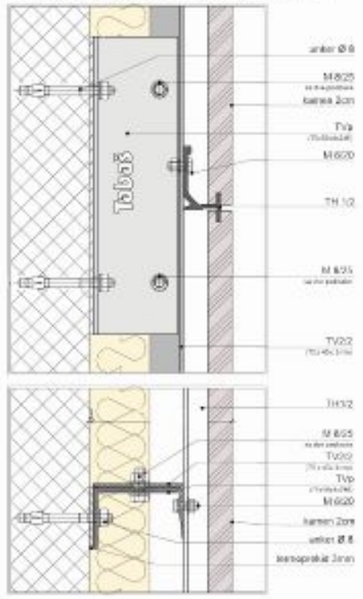
SISTEM TABAŠ V.10.2 i V.10.3

-sloj termike ~ d=5cm
-standardno udaljenje lica kamena d=2cm, od konstrukcije objekta 110mm-155mm
-ankeri za vezu sa betonom su dva M8 A4, na vertikalnom međusobnom odstojanju od 160mm
-zavrtnjevi kojl nose vertikalu TV/2 uz primarni nosač TVp su dva M8 A2.
-horizontallni nosači se fiksiraju sa 1 M6 A2 za vertikalu koje su na međusobnom udaljenju od 100cm
-sistem je projektovan za kamen debljine 2cm i 3cm.

TABAŠ SYSTEM V.10.2 i V.10.3

-thermal layer ~ d=5cm
-standard distance from the face of stone d=2cm to the building structure is 110mm-155mm
-there are two M8 A4 anchors for concrete fixing, - with the vertical distance of 160mm between them
-there are two M8 A2 bolts holding the TV/2 vertical profile with the TVp primary bracket.
-horizontal rails are fixed with 1 M6 A2 to the
-vertical profile with a distance of 100cm between them
-system is designed for the stone thickness 2cm and 3cm.

sklop V.10.2_udaljenje od 118 do 163mm



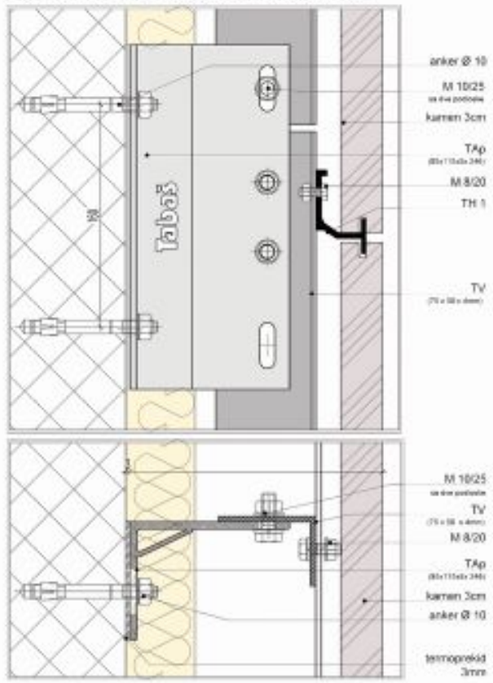
SISTEM TABAŠ A.20.2 i A.20.3

-sloj termike ~ d=10cm
-standardno udaljenje za lica kamena d=3cm do konstrukcije objekta je 166mm-211mm
-fiksiranje ankera TAp za betonski zid vrši se sa dva ankera M10 A4, koji su postavljeni na vertikalnom međusobnom odstojanju od 160mm
-vertikala TV je sa dva zavrtnja M10 A2 pričvršćena za anker TAp, za spratnu visinu od 4.5 m.
-horizontalni nosači TH1, TH2 i TH3 se fiksiraju sa jednim zavrtnjem M8 A2 za vertikalni profil TV
-visina kamenih ploča d=3cm je do 200cm, dužina nije ograničena za određene vrste kamena.
-sa vertikalomTV se„pokrivaju'' i spratne visine do 6.0m
-sistem je projektovan za kamen debljine 2cm i 3cm i više.

TABAŠ SYSTEM A.20.2 i A.20.3

-thermal layer ~ d=10cm
- standard distance from the face of stone d=3cm to the building structure is 166 mm- 211mm
- fixing TAp bracket to a concrete wall is done using two anchors M10 A4, which are placed so that the vertical distance between them is 160mm
- the vertical profile TV is attached to the TAp bracketwith two M10 A2 bolts, for a floor height of 4.5 m.
- horizontal rails TH1, TH2i TH3 are fixed with one M8 A2 bolt to the vertical profile TV
- the stone slabs d=3cm are up to 200mm high, length is not limited for certain types of stone.
-the TV vertical profile"covers"floor heights up to 6.0m high.
-system is designed for the stone thickness 2cm, 3cm and more.

Sklop A.20.3_udaljenje od 166 do 211 mm



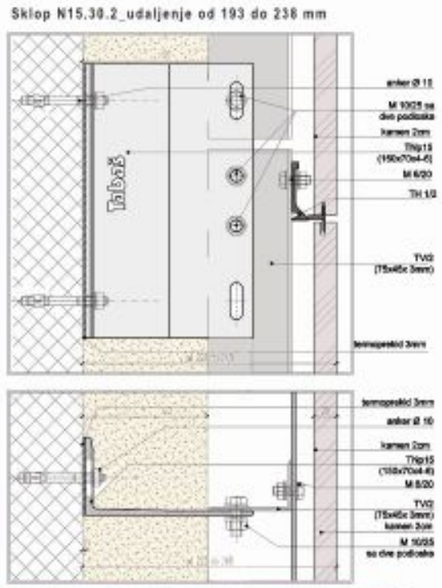
SISTEMI POTKONSTRUKCIJE TABAŠ

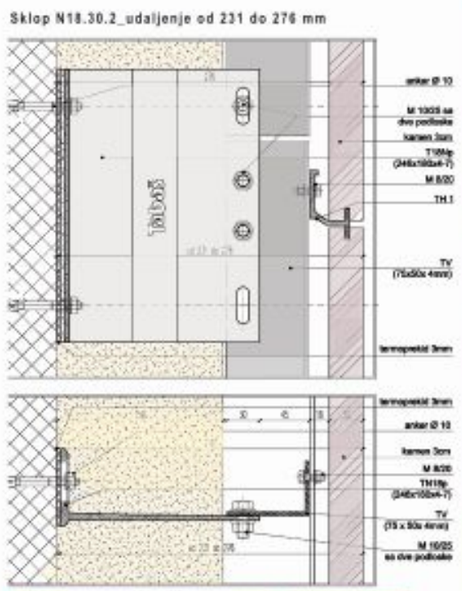
SISTEM TABAŠ N15.30.2 i N15.30.3

-sloj termike ~12cm
-standardno udaljenje lica kamena d=2cm do konstrukcije objekta je 193mm - 238mm
-vertikala TV/2 je sa dva zavrtnja M8 ili M10 A2 , pričvršćena za nosač TNp.
-horizontalni nosači TH1/2, TH2/2 i TH3/2 se fiksiraju sa jednim zavrtnjem M6 A2 za vertikalni profil TV/2
-visina kamenih ploča d=2cm je do 80cm.
-visina kamenih ploča d=3cm je do 60cm.
-dužina ploča nije ograničena za određene vrste kamena.
-sa vertikalomTV se ,,pokrivaju" i spratne visine do 6.0m
-sistem je projektovan za kamen debljine 2cm i 3cm.
-vertikalni elementi TV i TV/2 su postavljeni na maksimalnom udaljenju od 1,0 m

TABAŠ SYSTEM N15.30.2 i N15.30.3

-thermal layer ~ d=12cm
-standard distance from the face of stone d=2cm to the building structure is 193mm - 238mm
-the vertical profile TV/2 is attached to the TNp bracket with two M8 or M10, A2 bolts.
-horizontal rails TH1/2, TH2/2 i TH3/2 are fixed with one M6 A2 bolt to the vertical profile TV/2
-the stone slabs d=2cm are up to 80cm high,
-the stone slabs d=3cm are up to 60cm high,
- The length of the slabs is not limited for certain types of stone.
-with vertical profile TV, we can "cover" and floor heights up to 6.0m
-The system is designed for a stone thickness of 2cm, 3cm and more.
-The TV and TV / 2 TV elements are set at a maximum distance of 1.0 m





SUBSTRUCTURE SYSTEMS TABAŠ

SISTEM TABAŠ N18.30.2 i N18.30.3

-sloj terike ~15cm
-standardno udaljenje lica kamena d=2cm do konstrukcije objekta je 231mm-276mm
-vertikala TV/2 je sa dva inox zavrtnja M8 ili M10 A2 , pričvršćena za nosač TN18p.
-horizontalni nosači TH1/2, TH2/2 i TH3/2 se fiksiraju sa jednim zavrtnjem M6 A2 za vertikalni profil TV/2
-visina kamenih ploča d=2cm je do 80cm.
-visina kamenih ploča d=3cm je do 200cm.
-dužina ploča nije ograničena za određene vrste kamena.
-sa vertikalomTV se ,,pokrivaju" i spratne visine do 6.0m
-sistem je projektovan za kamen debljine 2cm i 3cm.
-vertikalni elementi TV i TV/2 su postavljeni na maksimalnom udaljenju od 1,0 m

TABAŠ SYSTEM N18.30.2 i N18.30.3

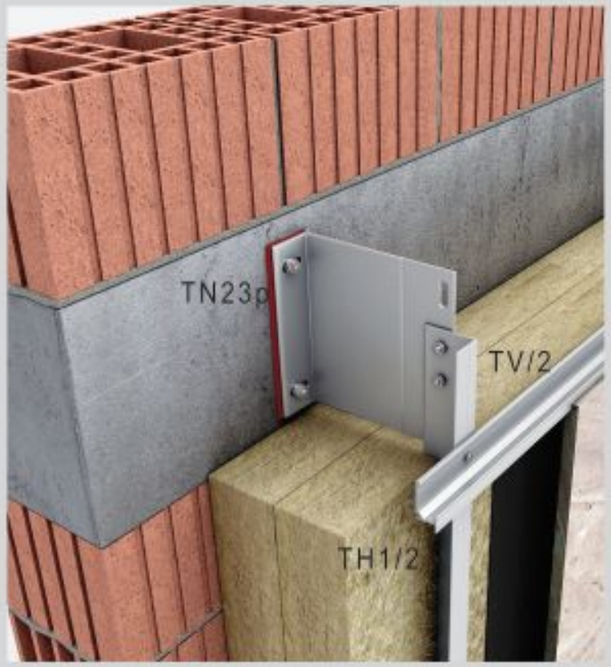
-thermal layer ~ d=15cm
-standard distance from the face of stone d=2cm to the building structure is 231mm - 276mm
-the vertical profile TV/2 is attached to the TNp bracket with two M8 or M10, A2 bolts.
-horizontal rails TH1/2, TH2/2 i TH3/2 are fixed with one M6 A2 bolt to the vertical profile TV/2
-the stone slabs d=2cm are up to 80cm high,
-the stone slabs d=3cm are up to 200cm high,
- The length of the slabs is not limited for certain types of stone.
-with vertical profile TV, we can "cover" and floor heights up to 6.0m
-The system is designed for a stone thickness of 2cm, 3cm and more.
-The TV and TV / 2 TV elements are set at a maximum distance of 1.0 m

SISTEM TABAŠ N23.30.2 i N23.30.3

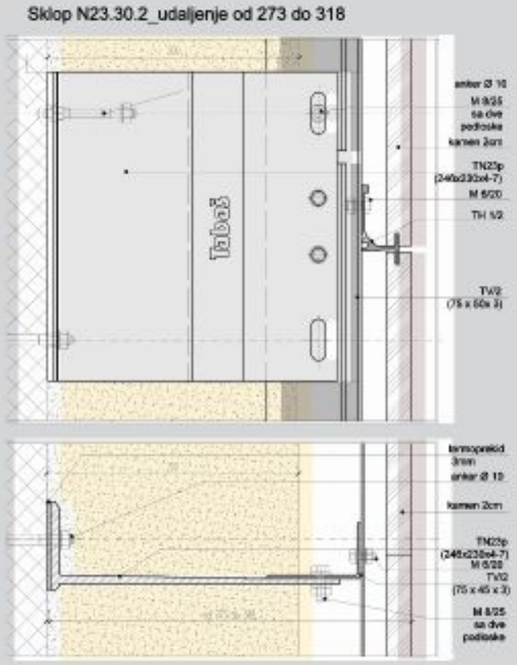
-sloj termike – d=20cm
-standardno udaljenje lica kamena d=2cm do konstrukcije objekta je 273mm-318mm
-fiksiranje anker nosača TN za betonski zid vrši se sa dva ankera M8 A4, koji su postavljeni na vertikalnom međusobnom odstojanju od 180mm
-vertikala TV/2 je sa dva zavrtnja M8 A2 pričvršćena za anker TN.
-horizontalni nosači TH1/2, TH2/2 i TH3/2 se fiksiraju sa jednim zavrtnjem M6 A2 za vertikalni profil TV/2
-visina kamenih ploča d=2cm je do 800mm.
-za kamen d=3cm, sistem prelazi u oznaku N.30.3.
Ovaj sistem može da nosi ploče d=3cm, visine do 200mm. (sa izmenom dimenzija šrafova i ankera)

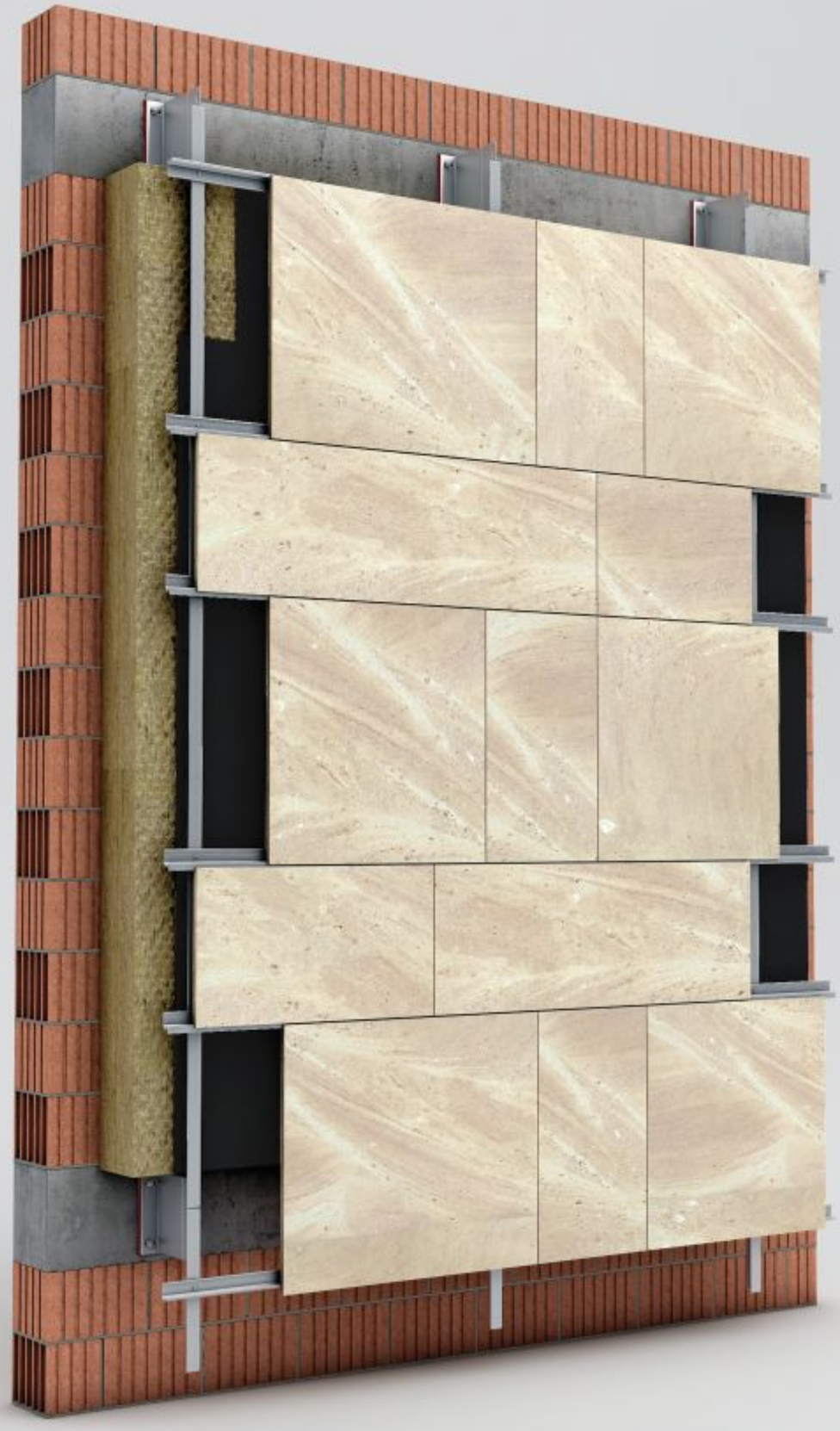
TABAŠ SYSTEM N23.30.2 i N23.30.3

-thermal layer – d=20cm
-standard distance from the face of stone d=2cm to the building structure is 273mm-318mm
-fixing TN bracket to a concrete wall is done using two screws (anchors) M8 A4, which are placed so that the vertical distance between them is 180mm
-the vertical profile TV/2 is attached to the TN bracket with two M8 A2 bolts.
-horizontal rails TH1/2, TH2/2 i TH3/2 are fixed with one M6 A2 bolt to the vertical profile TV/2
-the stone slabs d=2cm are up to 800mm high, length is not limited for certain types of stone.
-for stone d=3cm, the system is marked N.30.3.
This system can hold slabs d=3cm, up to 200mm high. (with a change in dimensions of bolts and anchors for concrete).



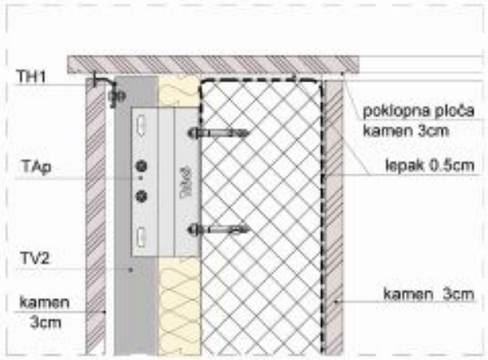
Sklop N23.30.2_udaljenje od 273 do 318





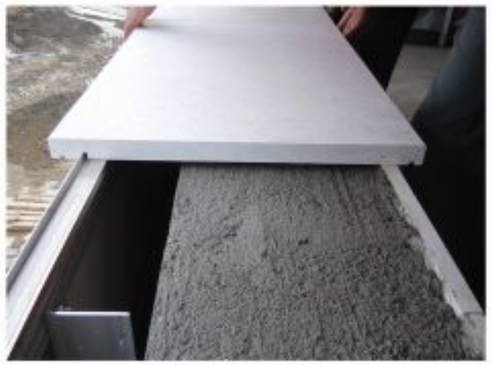
KARAKTERISTIČNI DETAJI

DETALJI ZAVRŠETAKA

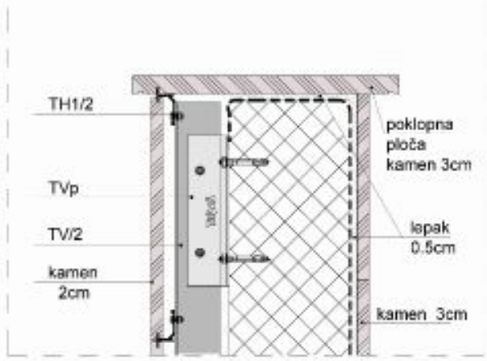


DETALJ KROVNOG NADZIDKA
TOP DETAIL

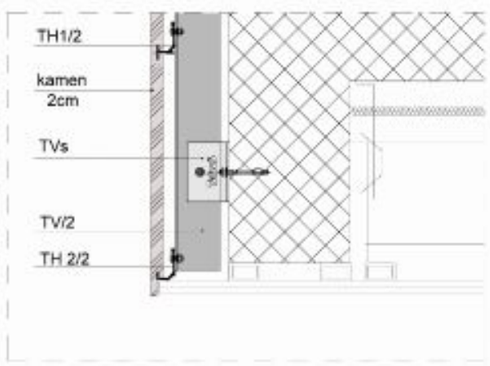
TERMINATIONS

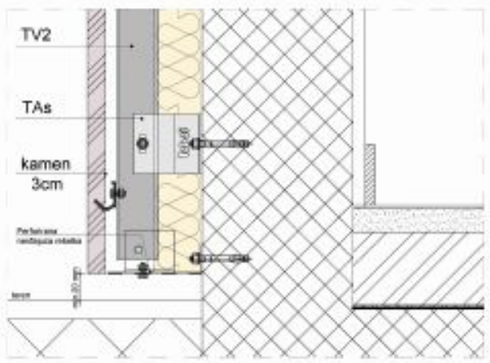


DETALJ POKLOPNE PLOČE NA TERASI
TOP TERRACE DETAIL



DETALJ ZAVRŠNE PLOČE NA TERASI
BOTTOM TERRACE DETAIL

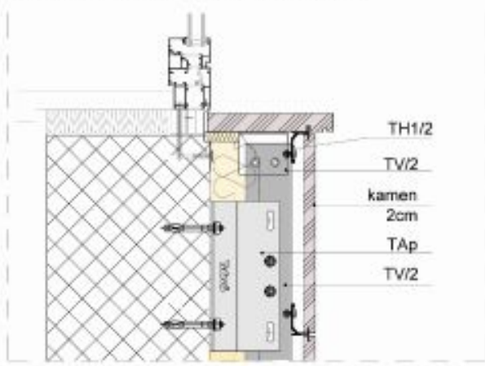




DETALJ POČETNE PLOČE
BOTTOM DETAIL

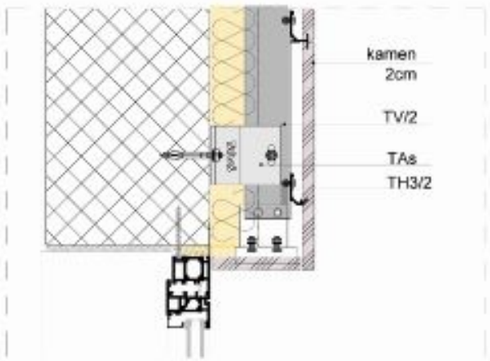
CARACTERISTIC DETAILS

DETALJI PROZORA I VRATA



WINDOWS AND DOORS SOLUTIONS

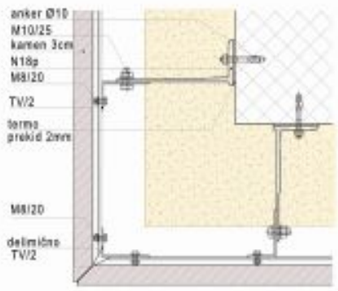
DETALJ PROZORSKE KLUPICE
WINDOWS BOTTOM

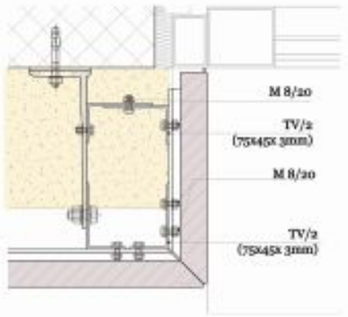


DETALJ IZNAD PROZORA
WINDOWS LINTEL

DETALJ UGLA ZGRADE
OUTCORNER DETAIL

DETALJ ŠPALETNE
WINDOW JAMBS DETAIL





CENTAR OBLASNE KONTROLE LETENJA Beograd
TABAŠ sistem I.40.3 ; A.30.3 ; A.20.3

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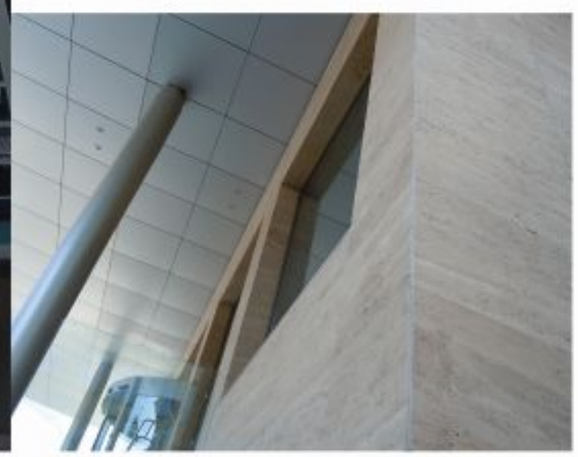
CENTAR OBLASNE KONTROLE LETENJA Beograd
TABAŠ sistem I.40.3 ; A.30.3 ; A.20.3

GARAŽA ul.Baba Višnjina, Beograd
TABAŠ sistem A.20.3

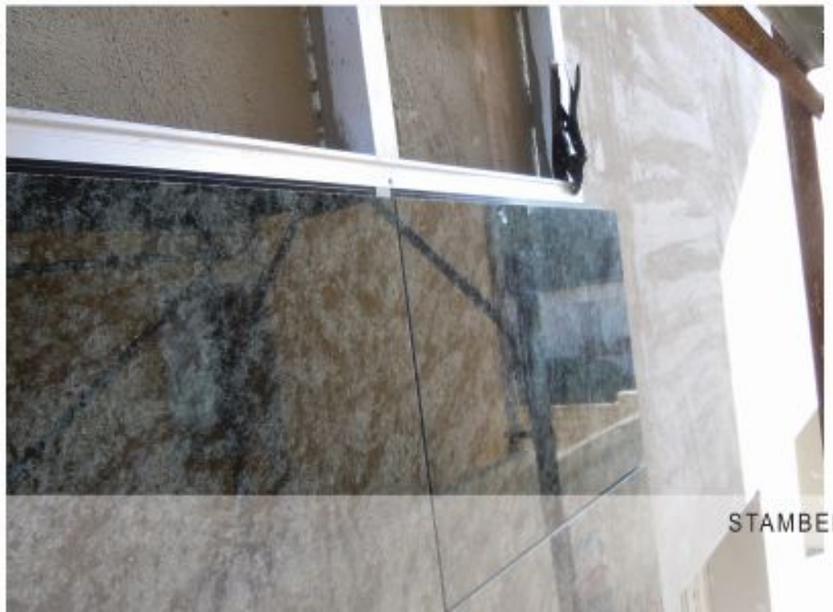


ULAZNI DEO HOTELA METROPOL Beograd
TABAŠ V.10.2

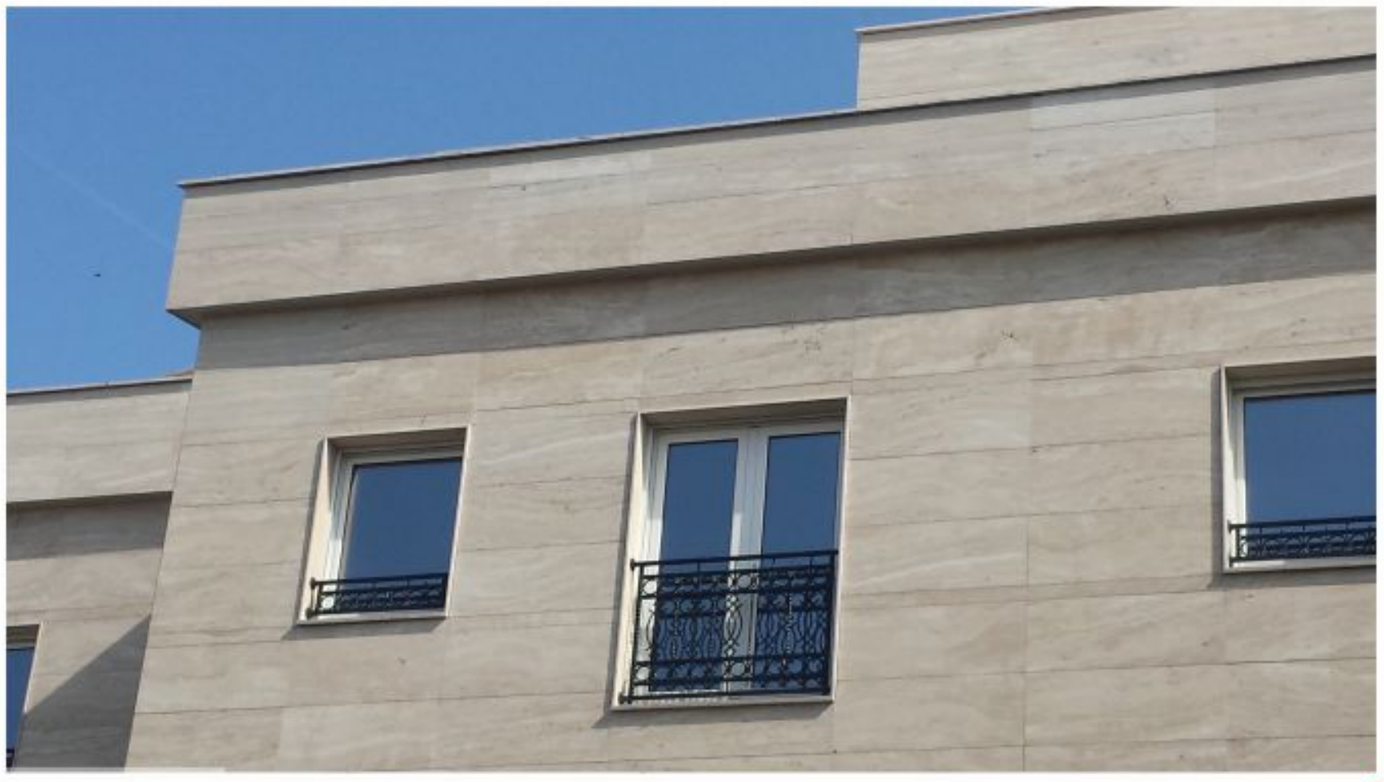
STAMBENO POSLOVNI OBJEKAT ul.Dimitrija Tućovića, Beograd
TABAŠ A.20.3

STAMBENO POSLOVNI OBJEKAT ul.Maksima Gorkog, Beograd
TABAŠ A.20.3

STAMBENO POSLOVNI OBJEKAT Aranđelovac
TABAŠ A.20.2

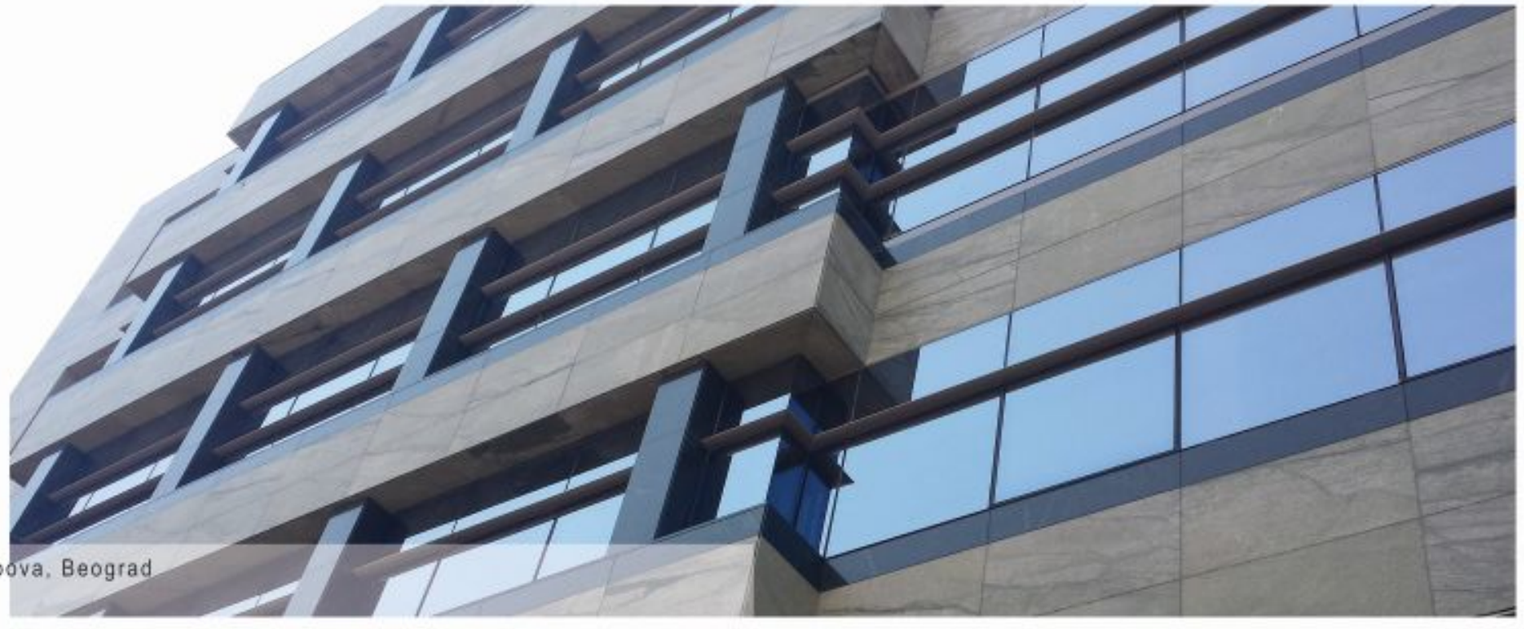


STAMBENI OBJEKAT Novi Sad
TABAŠ A.20.3 ; V.10.3



AMBASADA JAPANA Beograd
TABAŠ A.20.3

STAMBENI OBJEKAT ul. Avgusta Cesarca,Beograd
TABAŠ N18.30.2

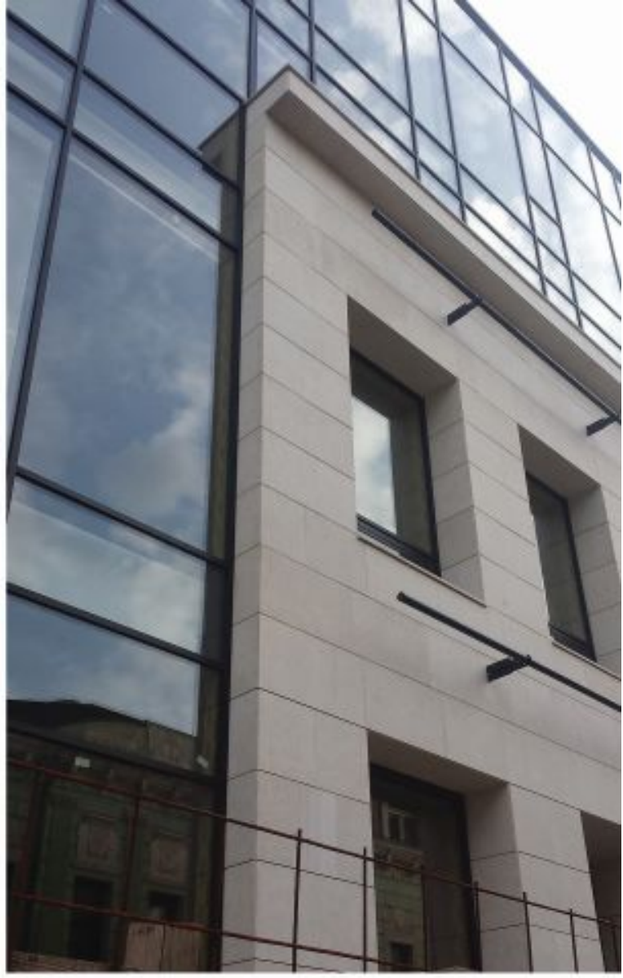


STAMBENI OBJEKAT ul.Gospodar Jovanova,Beograd
TABAŠ N15.30.2

STAMBENO-POSLOVNI OBJEKAT ul. Černiševskog Beograd
TABAŠ N15.20.2

STAMBENI OBJEKAT ul. Hadži Milentijeva Beograd
TABAŠ N18.30.3


НАРОДНО ПОЗОРИШТЕ
NÉPSZÍNHÁZ
NARODNO KAZALIŠTE

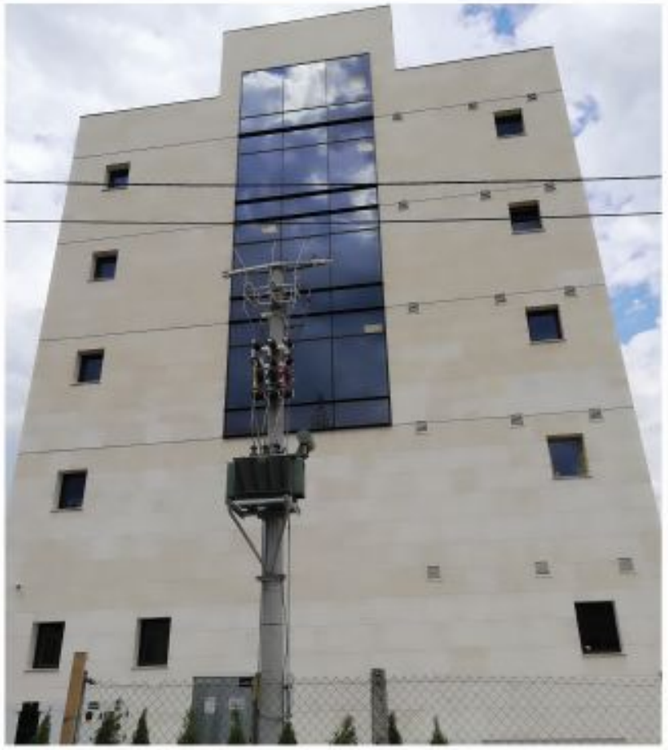


STAMBENO-POSLOVNI OBJEKAT ul.Ruzveltova, Beograd
TABAŠ N15.30.2

HOTEL YUZHNI 2 Sochi, Russia
TABAŠ A.20.2 ; A.30.2 ; V.10.2

HOTEL YUZHNI 2 Sochi, Russia
TABAŠ A.20.2 ; A.30.2 ; V.10.2

HOTEL YUZHNI 2 Sochi, Russia
TABAŠ A.20.2 ; A.30.2 ; V.10.2



UPRAVNA ZGRADA "DRINA OSIGURANJE" Milići, Republika Srpska, BiH
TABAS TN18.30.3

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Administrativni objekat: UPRAVA ZA NEKRETNINE Podgorica,
Crna Gora 2013/2014

KG KRIN - Prilep , Severna Makedonija 2013/2014

Tabaš
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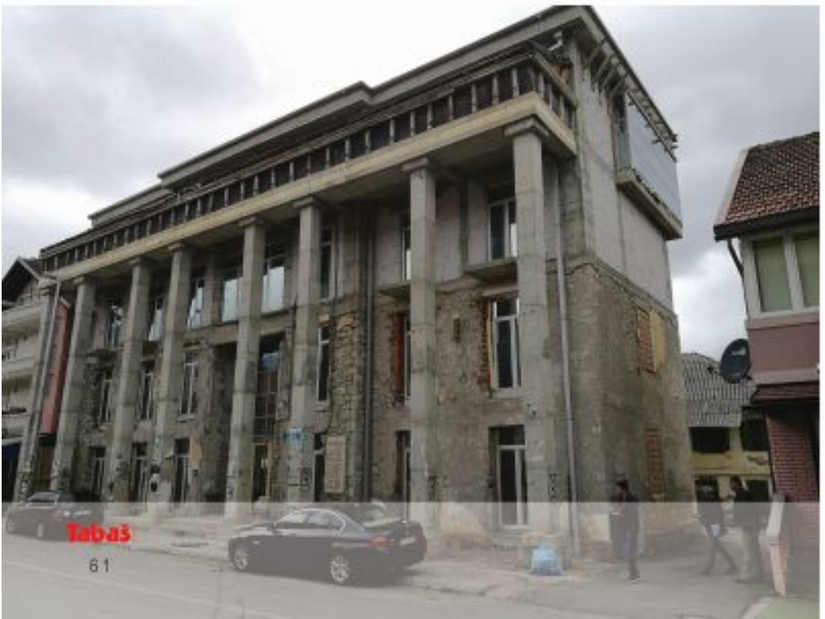
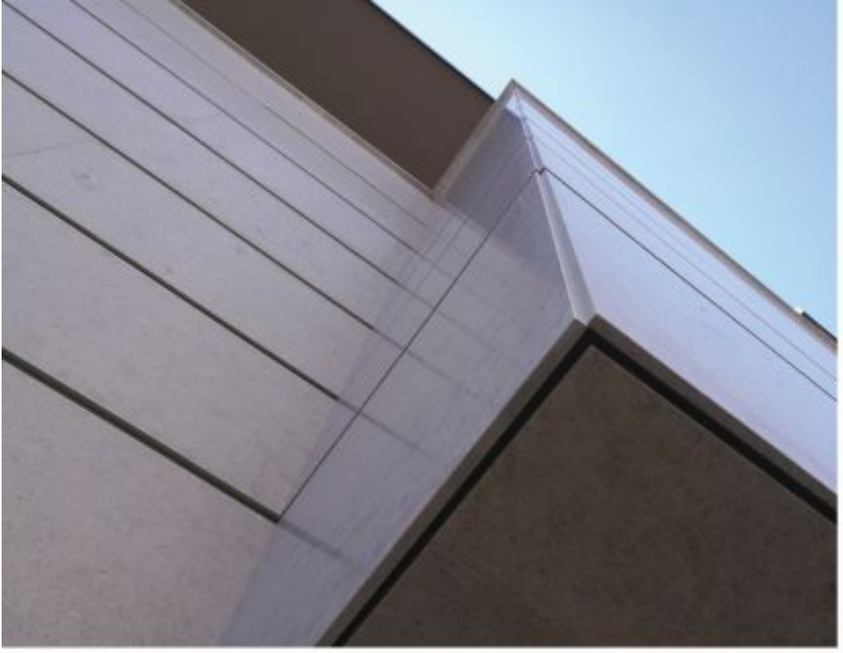
Objekat: Poslovno stambeni SUN CITY, Novi Beograd, 2017.

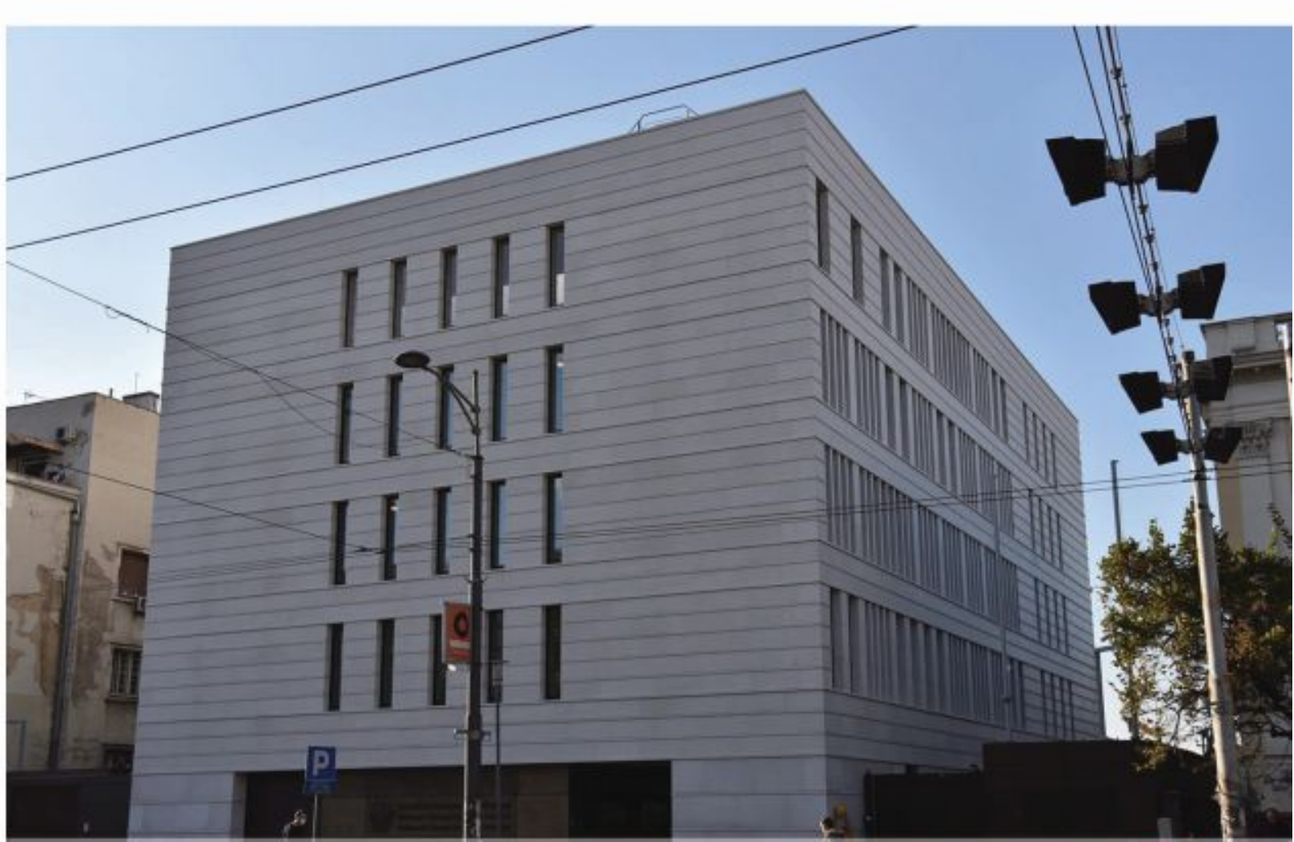
Objekat kulture: LEGAT Nikole Koke Jovanović KRAGUEVAC, 2017.

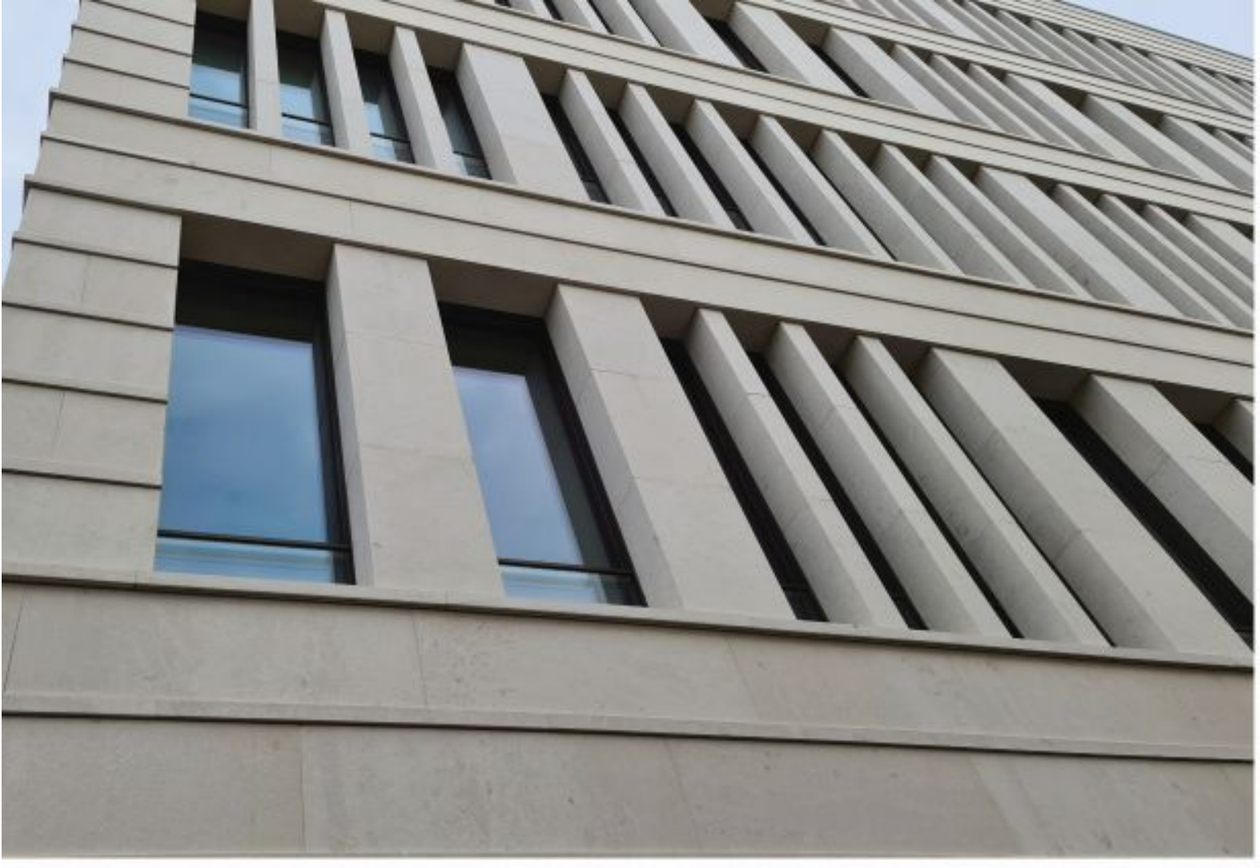


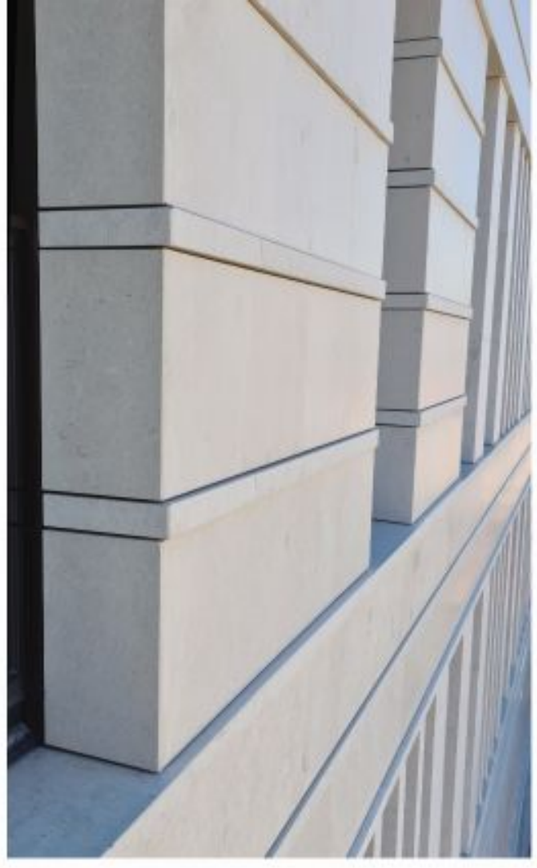


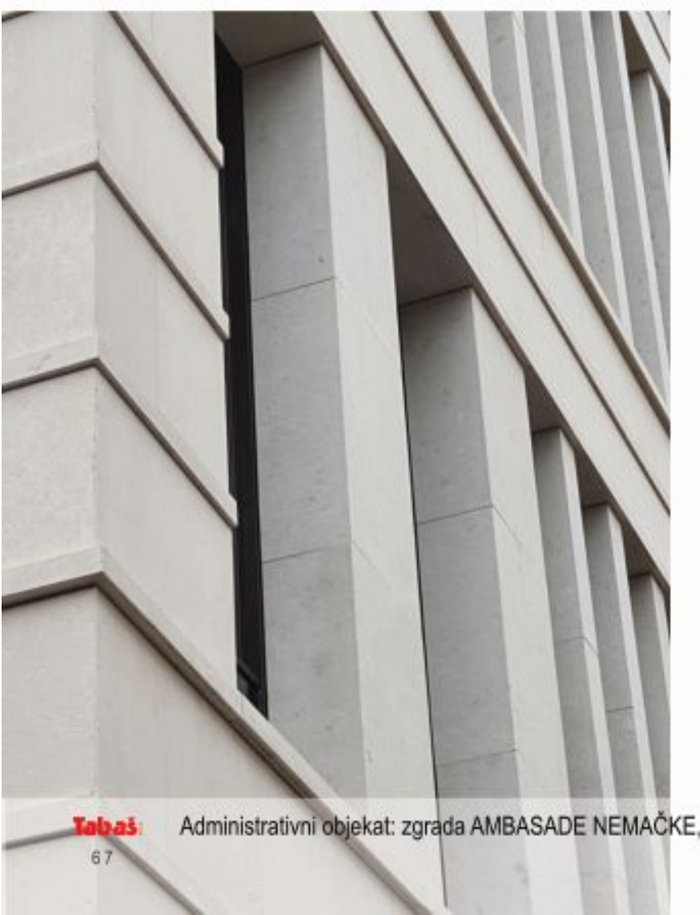
Stambeni objekat: vila KOŠUTNJAK, Beograd, 2018./2019

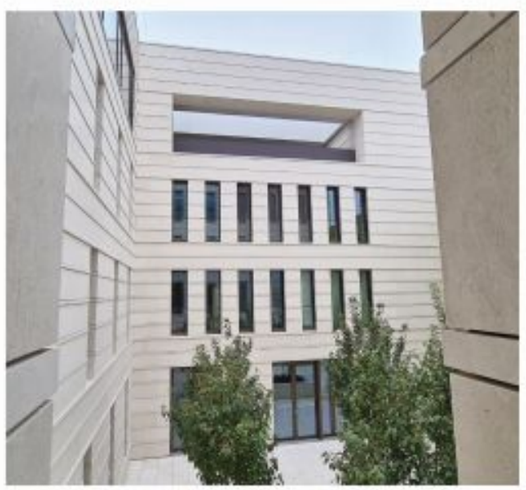
Administrativni objekat: zgrada AMBASADE NEMAČKE, Beograd, 2019./2020

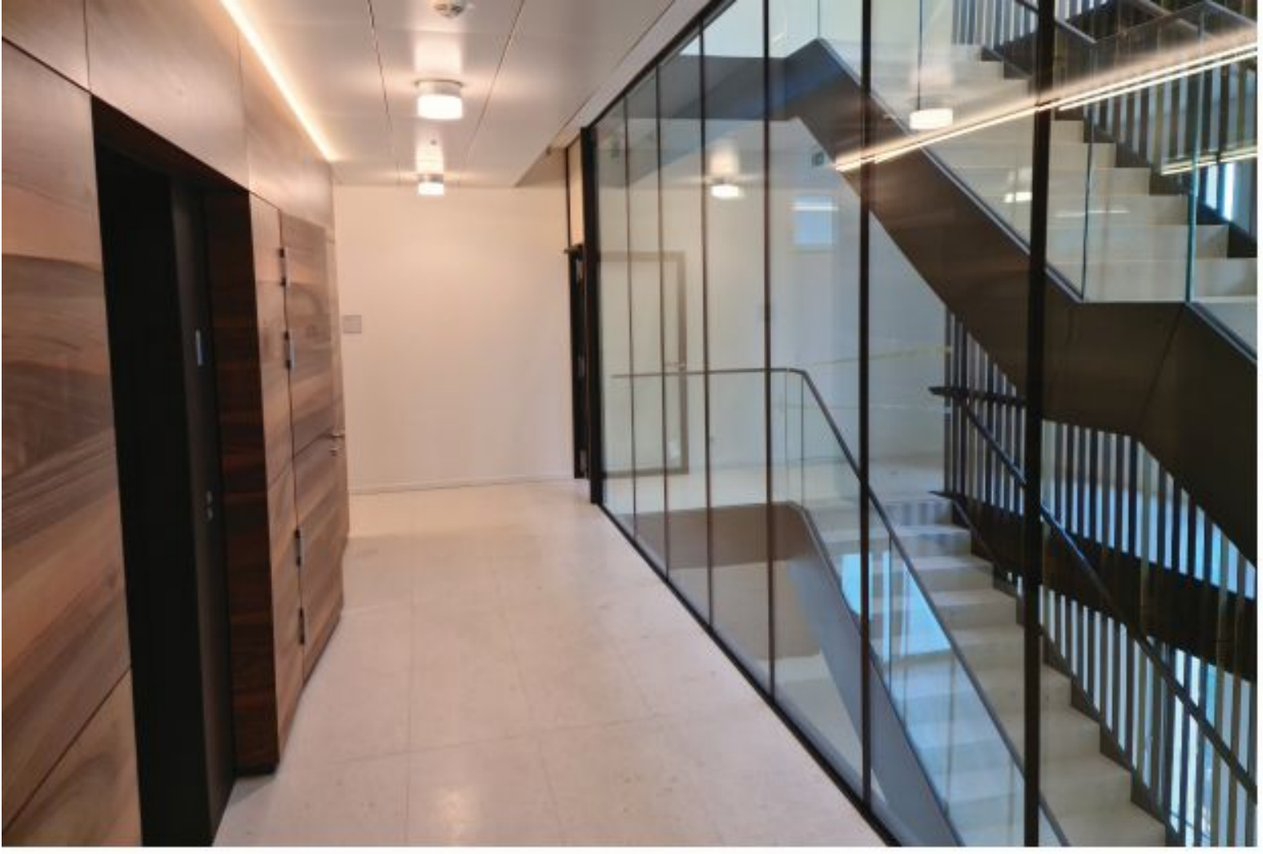


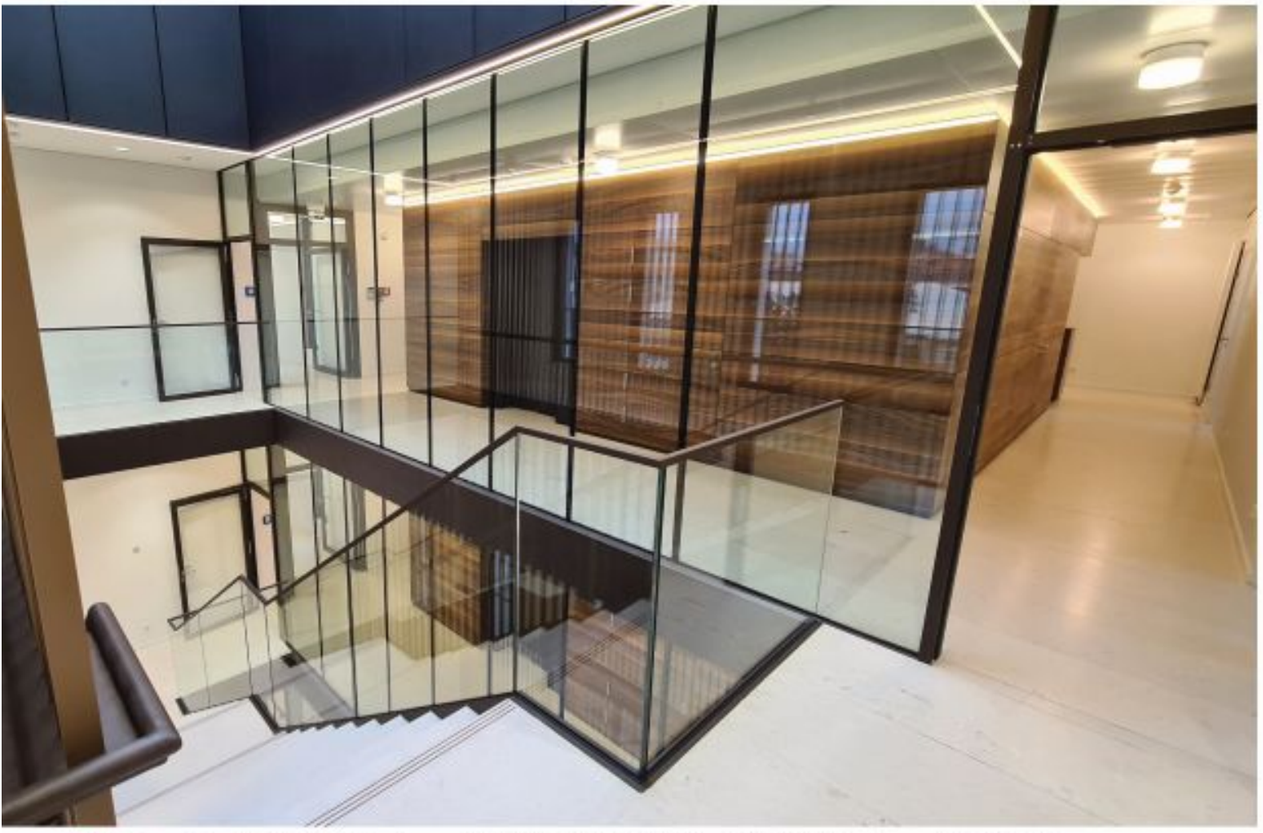


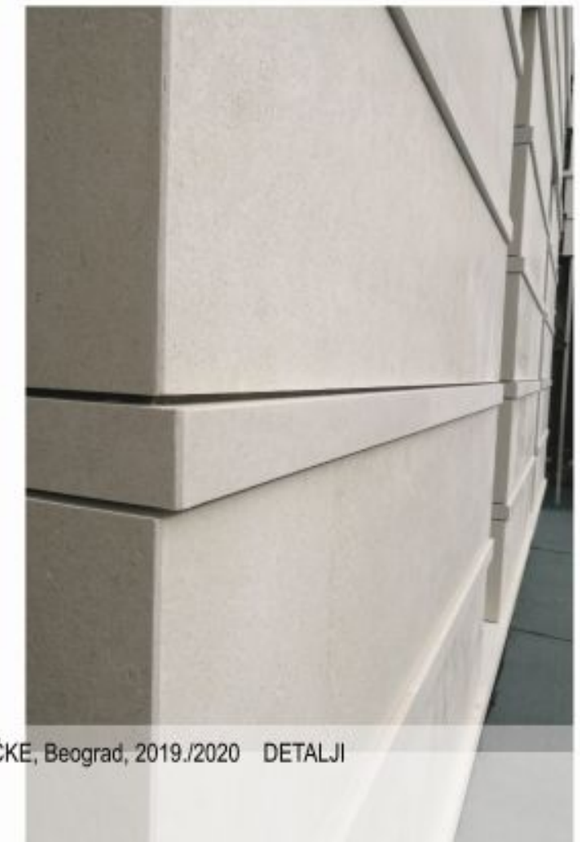




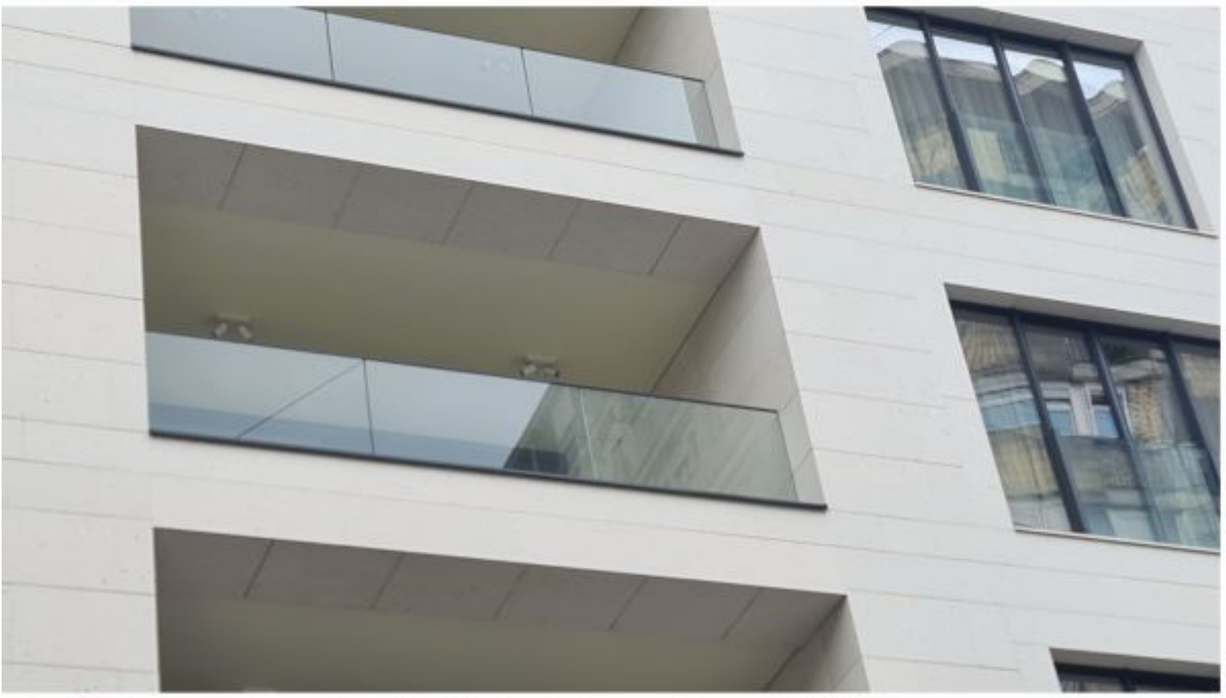








Vila NEBOJŠA, Beograd, 2020./2021.



Stambeno poslovni objekat ul. Gospodar Jovanova, Beograd, 2021./2022.

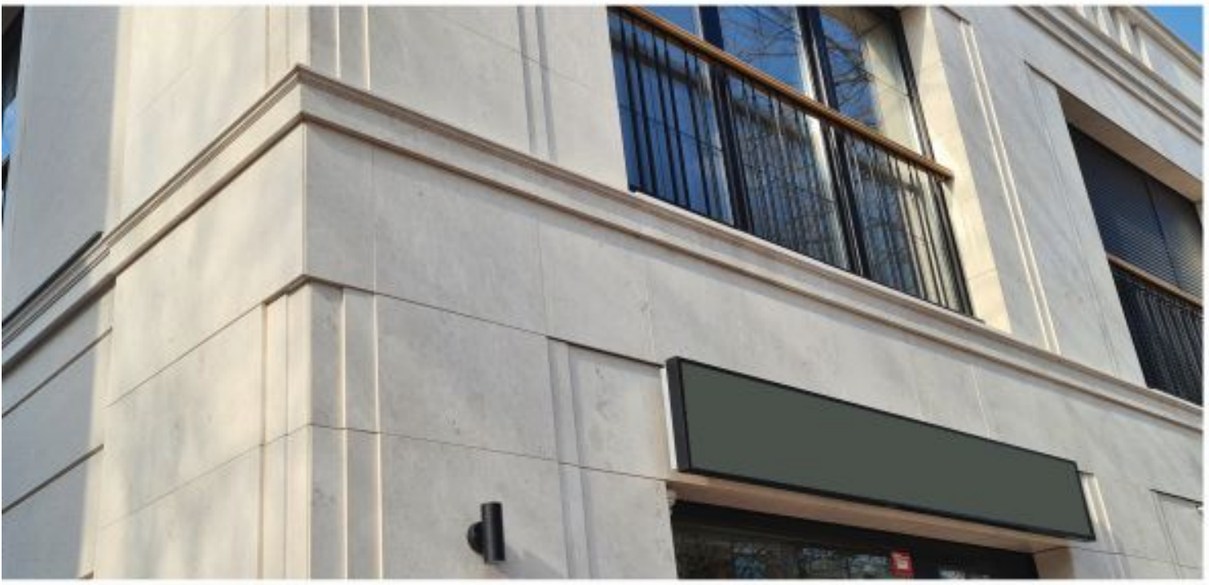
Stambeno poslovni objekat ul. Gospodar Jovanova, Beograd, 2021./2022.

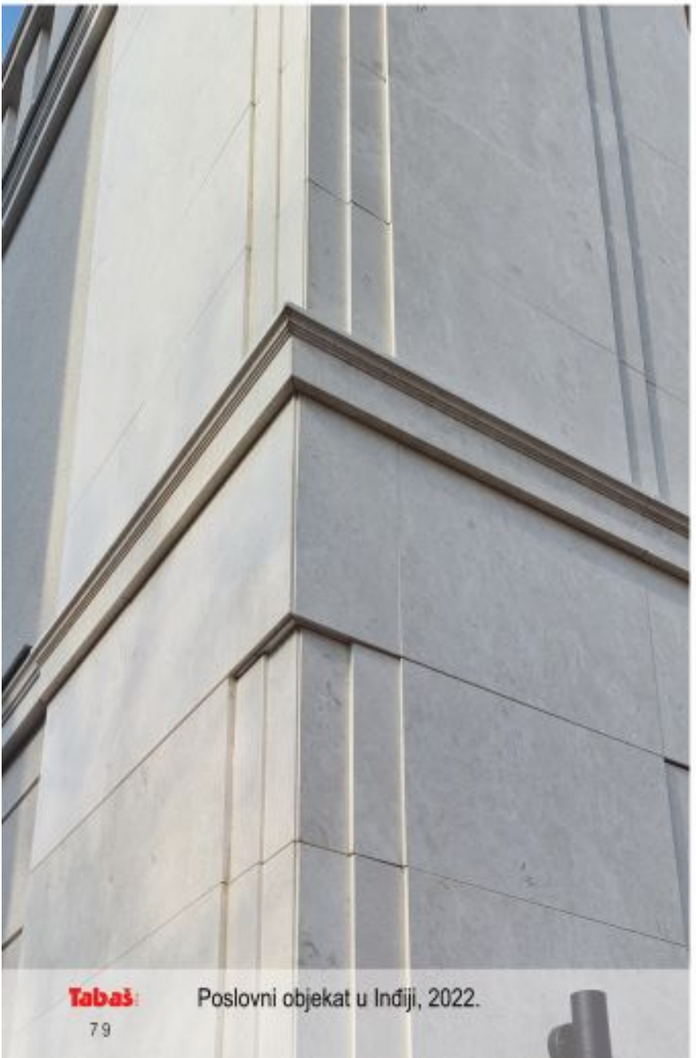
Tabaš

Stambeno poslovno objekat DORĆOL CENTAR, Beograd, 2021./2022.

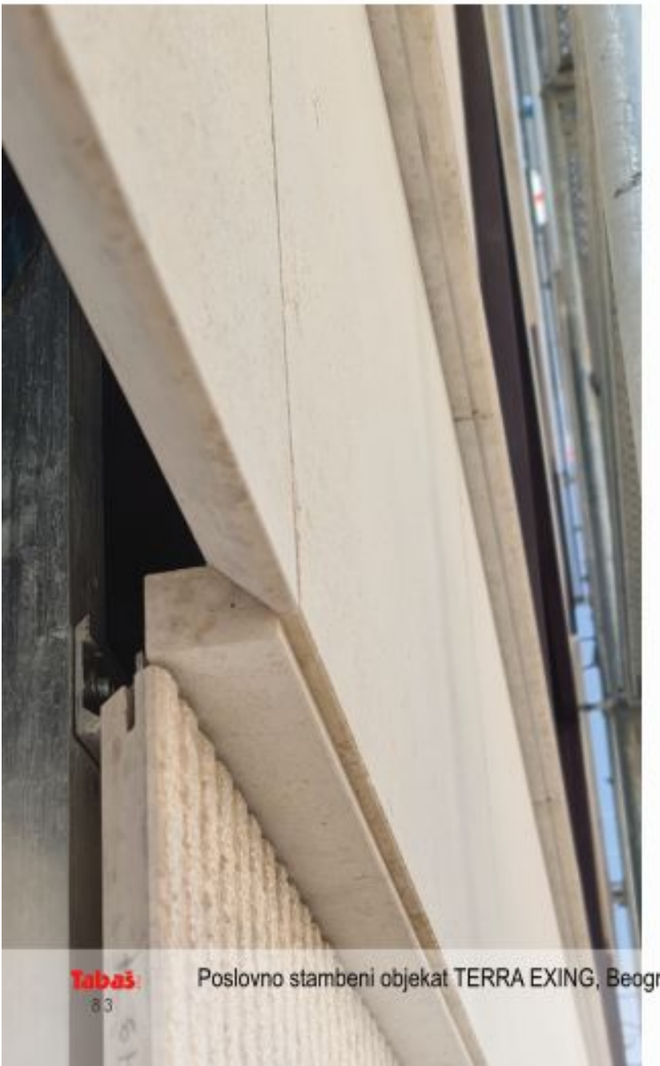
Stambeno poslovno objekat DORĆOL CENTAR, Beograd, 2021./2022.

Tabaš





Stambeni objekat u Beogradu, 2023.



SAVINA - Dvojna kuća na Savini - Crna Gora
Godina izgradnje 2024 korišćena foto dokumentacija firme INKA STUDIO d.o.o. Beograd

Poslovno stambeni objekat u G. Jovanovoj, Beograd , 2024./2025.

Poslovno stambeni objekat u G. Jovanovoj, Beograd , 2024./2025.

2STAMBENI OBJEKAT, Vračar Beograd

HOTEL u Vranjskoj banji

Stambeni objekat u NOVIGRADU -Hrvatska

Vila SENJAK, Beograd

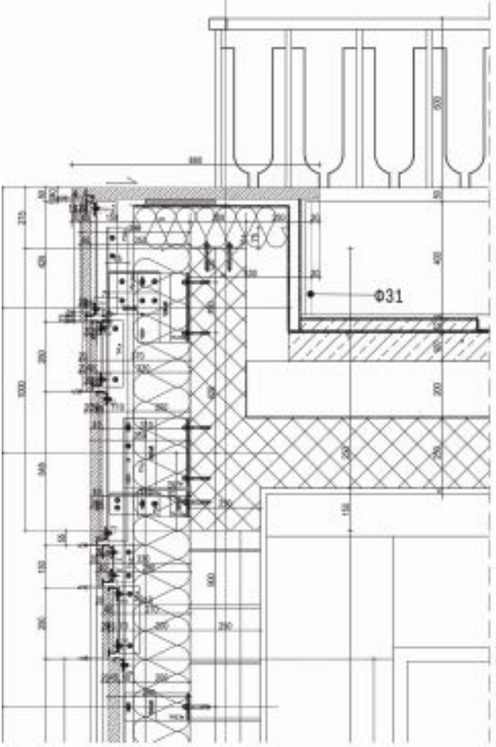
Stambeni objekat u Austriji

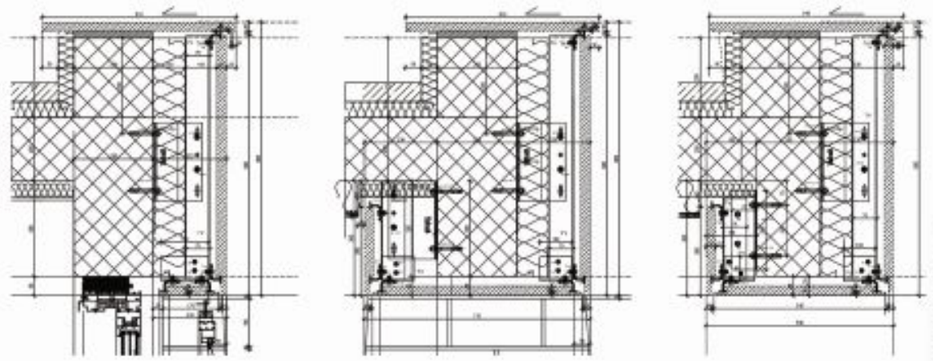
OBJEKTI U IZGRADNJI sa potkonstrukcijom sistema TABAŠ

Hram Svetih Arhangela na Bagdali u Kruševcu

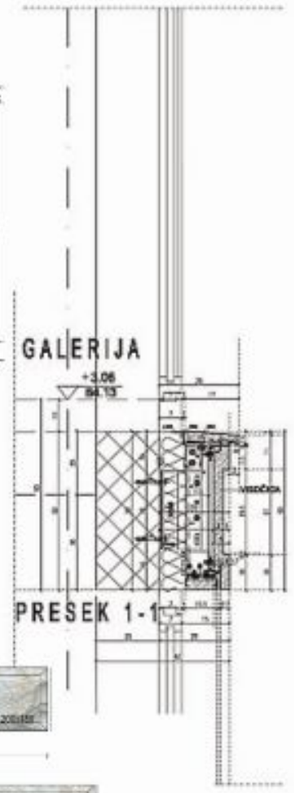
objekat VIVA RESIDENCES , Beograd

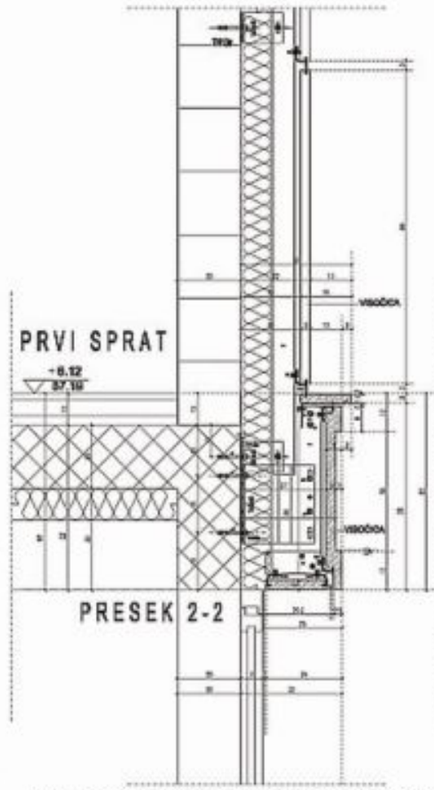
OBJEKTI U IZGRADNJI sa potkonstrukcijom sistema TABAŠ

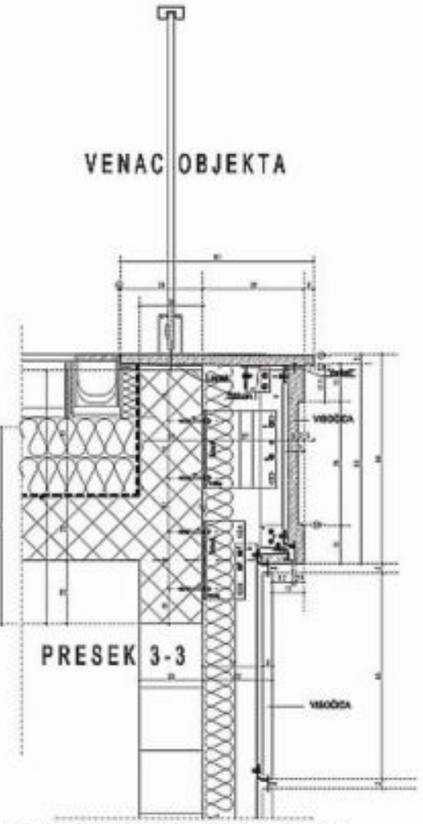




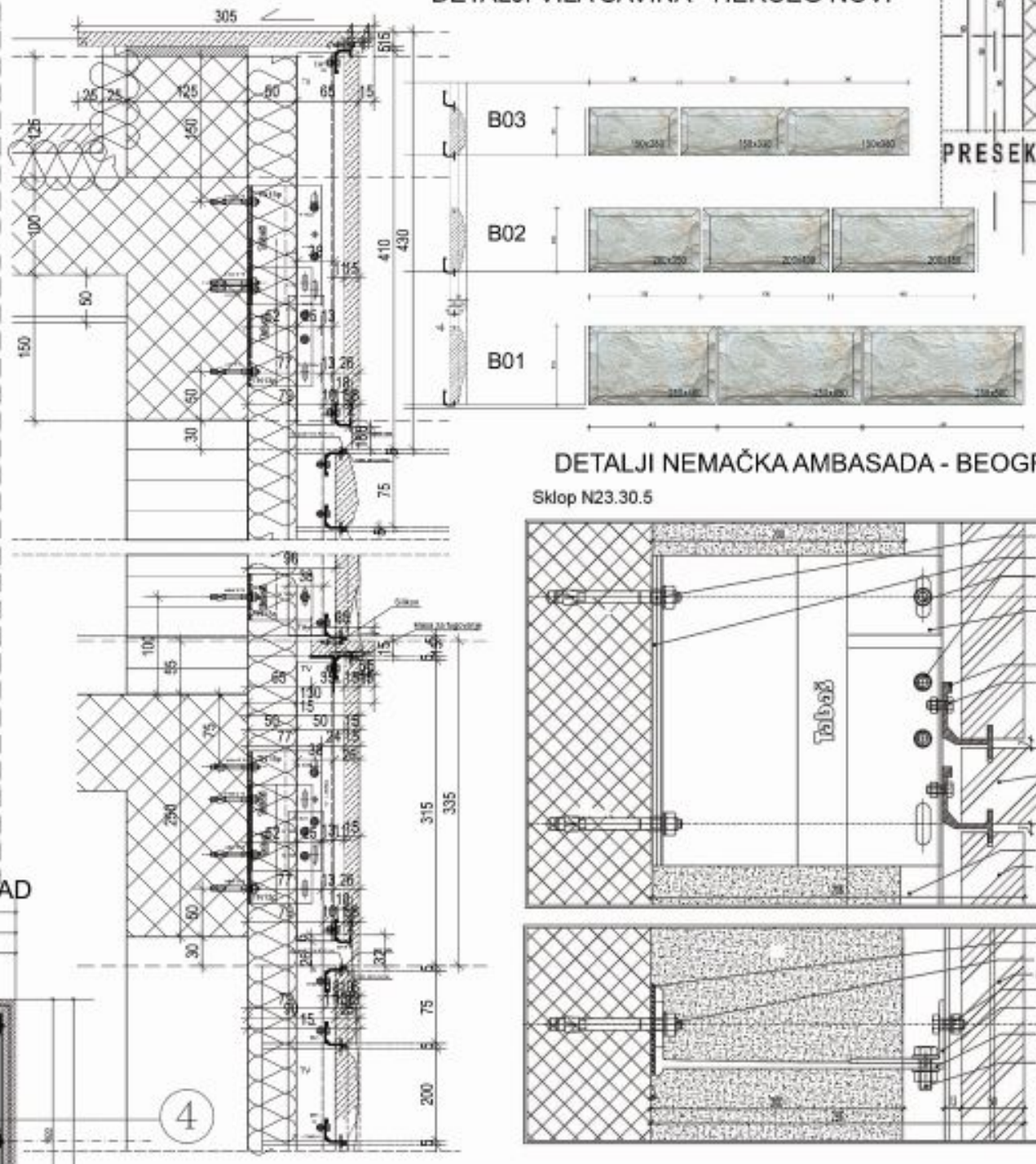
DETALJI VILA SAVINA - HERCEG NOVI





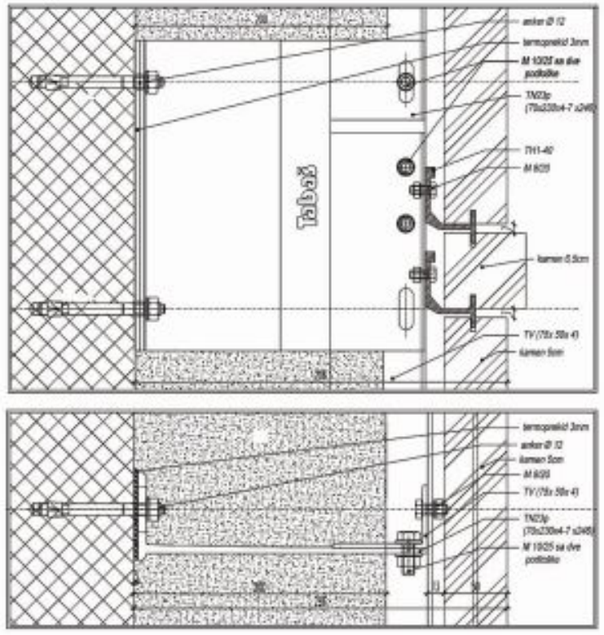


DETALJI STAMBENO-POSLOVNI CENTAR DORĆOL BEOGRAD

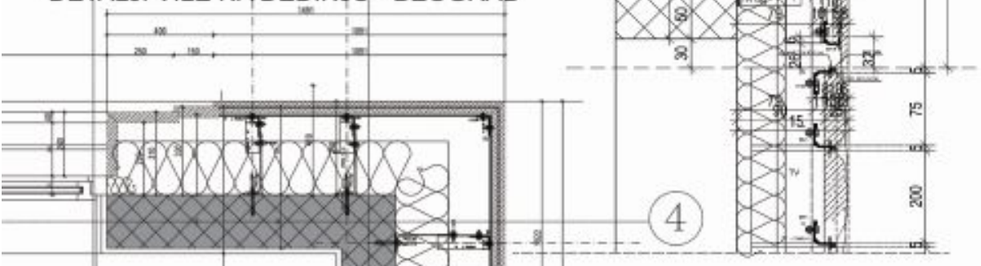


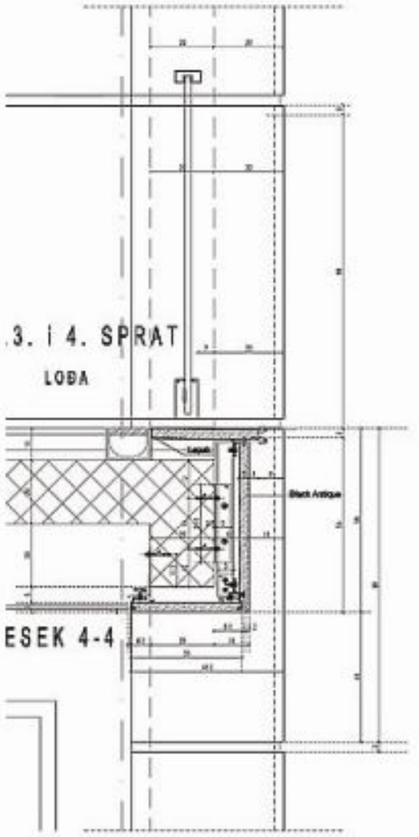
DETALJI NEMAČKA AMBASADA - BEOGRAD

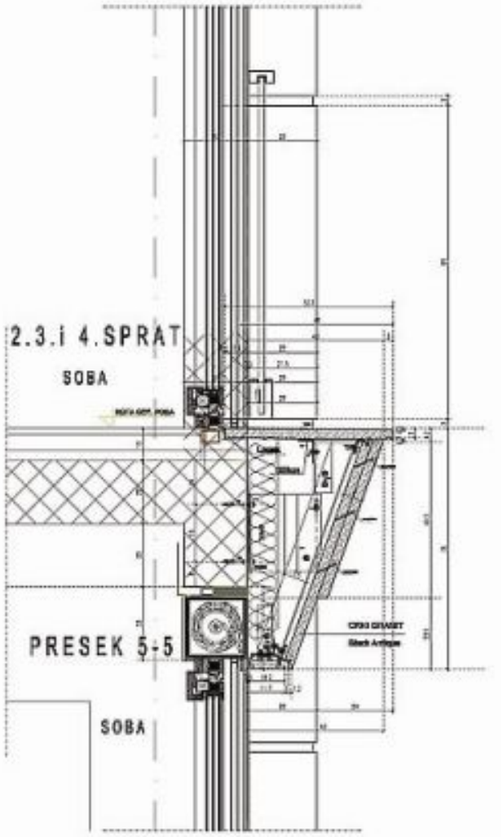
Sklop N23.30.5



DETALJI VILE NA DEDINJU - BEOGRAD





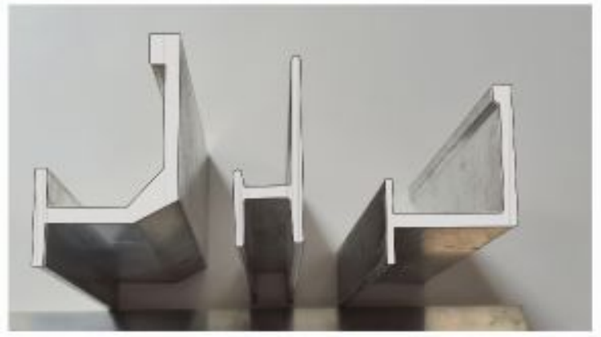


UZORCI kamene ventilirane fasade sa potkonstrukcijom

MOCK UP kamene ventilirane fasade sa potkonstrukcijom - Pazin, sa sajma

MOCK UP kamene ventilirane fasade sa potkonstrukcijom - Nemačka Ambasada, Beograd

MOCK UP kamene ventilirane fasade sa potkonstrukcijom




7,5
13
15
18
23

SERTIFIKATI I ATESTI CERTIFICATES AND ATTESTS

Atesti izdati od GRAĐEVINSKOG FAKULTETA, UNIVERZITETA U BEOGRADU

Certificate issued by the UNIVERSITY OF CIVIL ENGINEERING, UNIVERSITY OF BELGRADE

IZVEŠTAJ - br. 35/2010

Atest usaglašenosti sa ruskim standardima
Certificate of compliance with Russian standards

IZVEŠTAJ - br. 654/2013

Atest usaglašenosti, potvrda
Certificate of compliance, confirmations

IZVEŠTAJ - br. 857/2016

Posebno priznanje, SEEBBE međunarodni sajam građevinine 2016, Beograd
Special Recognition, SEEBBE International Building Trade Fair 2016,Belgrade.

Atest, Statički proračun za Nemačku Ambasadu
Certificate, Static Calculation for the German Embassy

UPUTSTVO za montažu - Tabaš Sistem
Method Statement - Installation Guide

SERTIFIKAT usklađeno sa SRPS EN 10204:2018
CERTIFICATE compliant with SRPS EN 10204:2018