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VEŽBE - PORTFOLIO
student : Jovana Zorić 152/2011

INTEGRISANO MODELIRANJE ARHITEKTONSKIH OBJEKATA VEŽBA 1

REVIT

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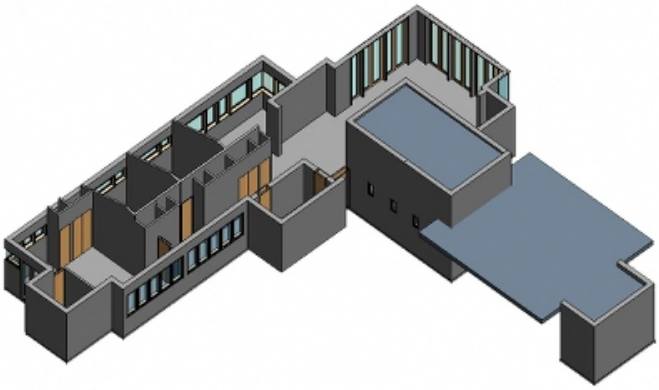
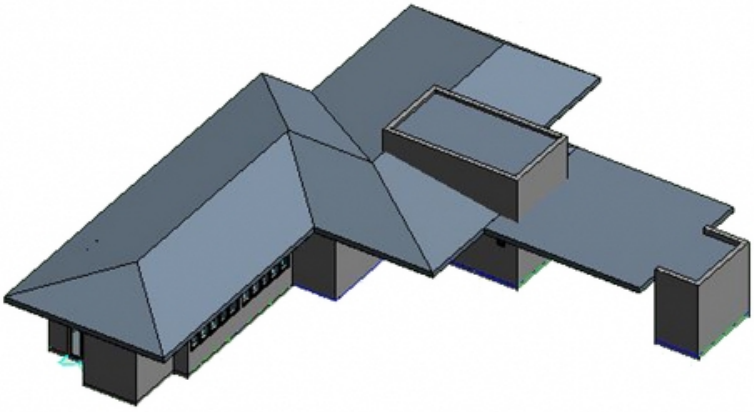
Učimo da crtamo zidove, spoljašnje i unutrašnje, unosimo vrata i prozore..postavljamo ravan i kos krov.
1. postavljeni zidovi
2. postavljena vrata i prozori
3. kos i ravan krov

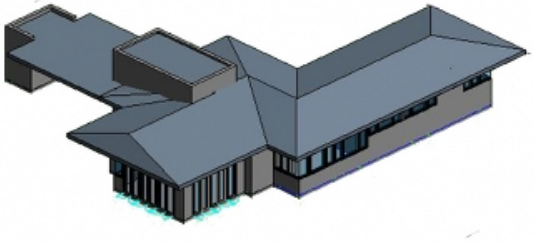
Pri postavljanju zidova bitna opcija jeste Location line, koja se moze podesiti kada se pokrene opcija WALLS (WA) , koja omogućava postavljanje zida u odnosu na zadatu liniju.
Pri postavljanju prozora, Windows (WN) bitna opcija jeste head height, koja se nalazi u prozoru properties.. i omogućava podešavanje gornje ivice prozora.
Za postavljanju krova najjednostavnije je koristiti opciju pick walls ili pick lines, koje se posle pokretanja opcije roof (u architecture jezicku) nalaze pod nazivom draw (obelezene kao strelicama misa)...
Ako želimo da promenimo krov - dupli klik na osnovu krova.

POSTAVLJANJE VRATA I PROZORA



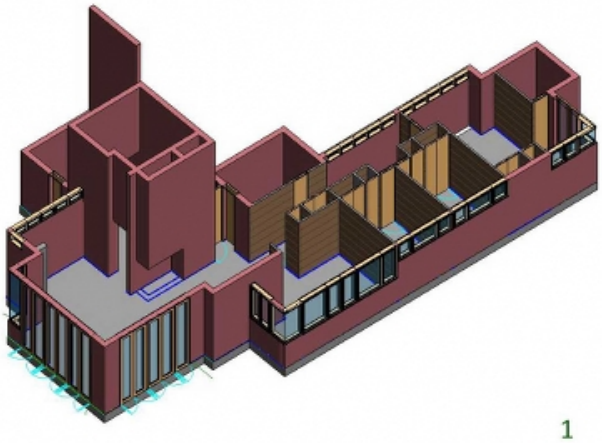
POSTAVLJANJE KROVA





Lesson 2 - Building Envelope

1. menjanje tipa spoljasnjih zidova u novi tip , promena svih unutrasnjih zidova u tip wood panel
2. postavljanje zadatih prozora i vrata na odredjene delove objekta, te njihovo multipriciranje opcijom array
3.postavljanje krova objekta, preko opcije roof by footprint , po zadatim linijama.. zatim spajanje ta dva krova opcijom join roof



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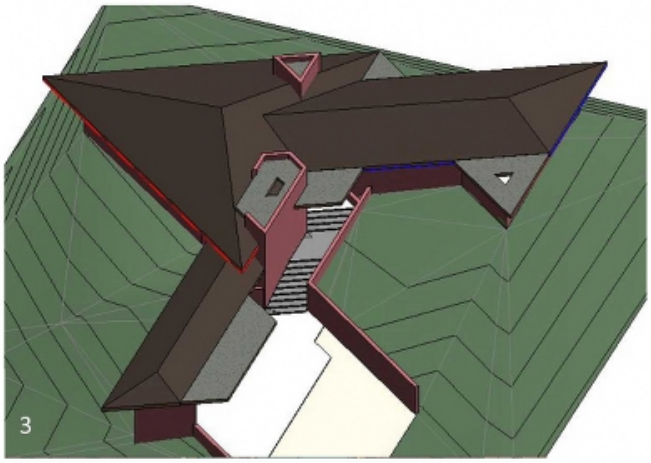

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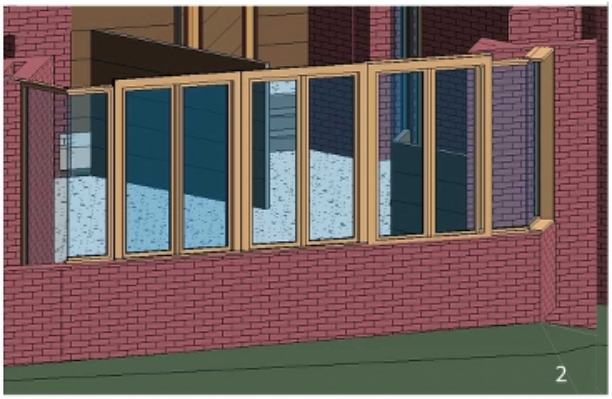
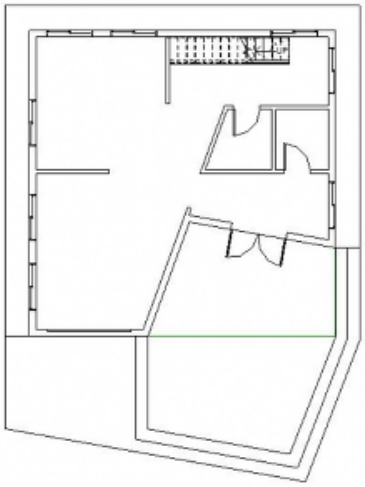


2

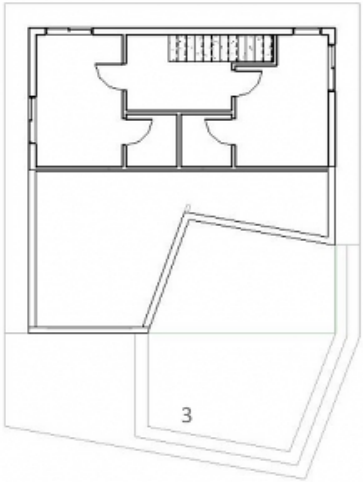
2

Lesson 1: modeling Building Elements
Family home

osnova prizemlja

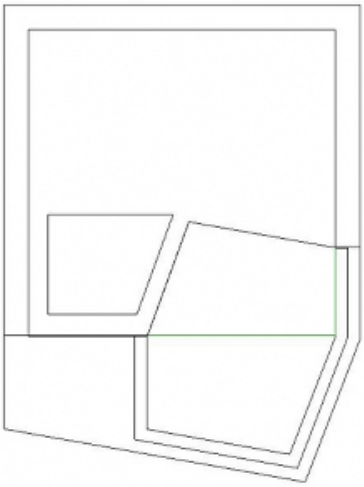


osnova sprata 2

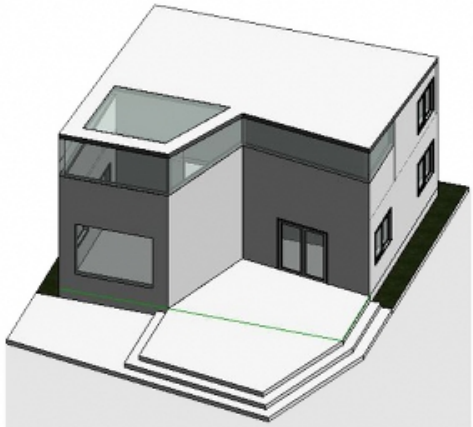


3 1

osnova krova



izgledi kuće



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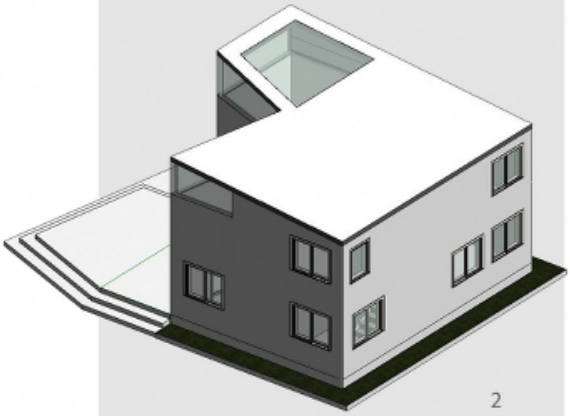

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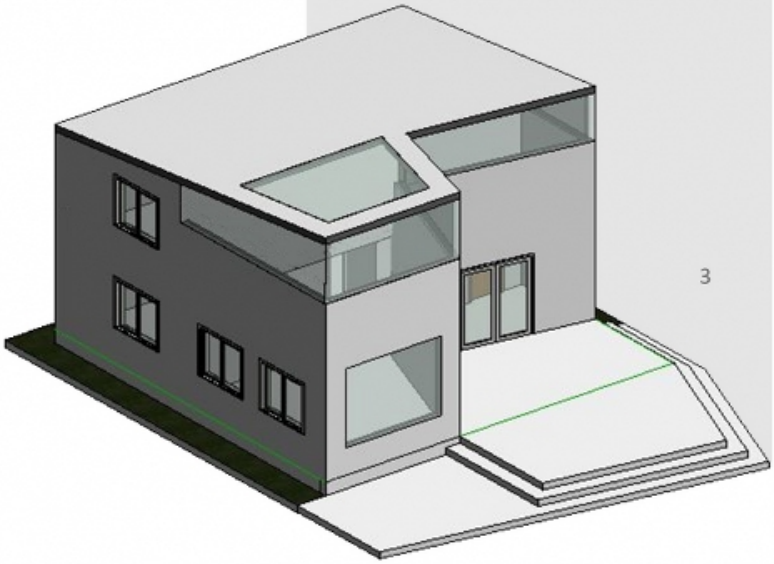

3

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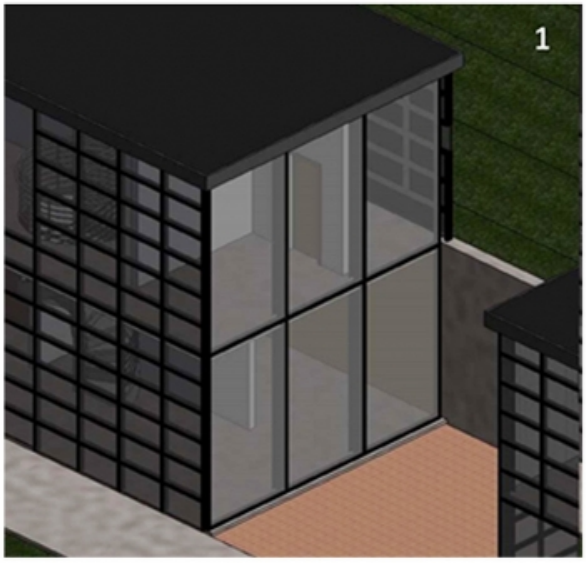
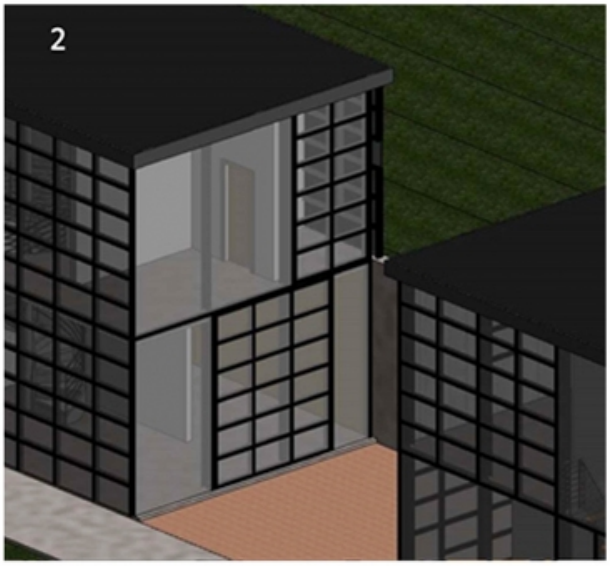
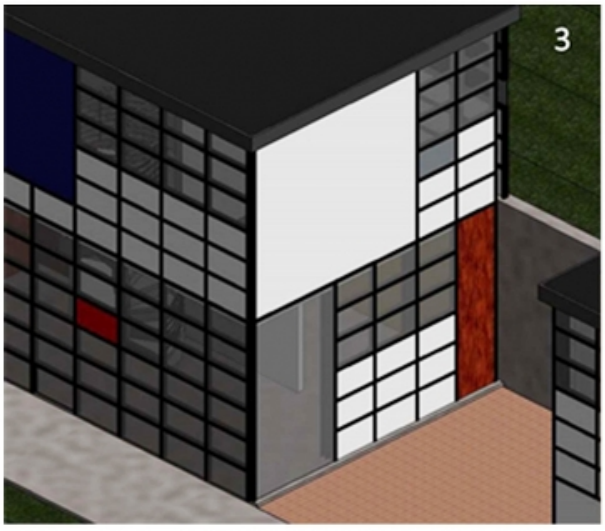
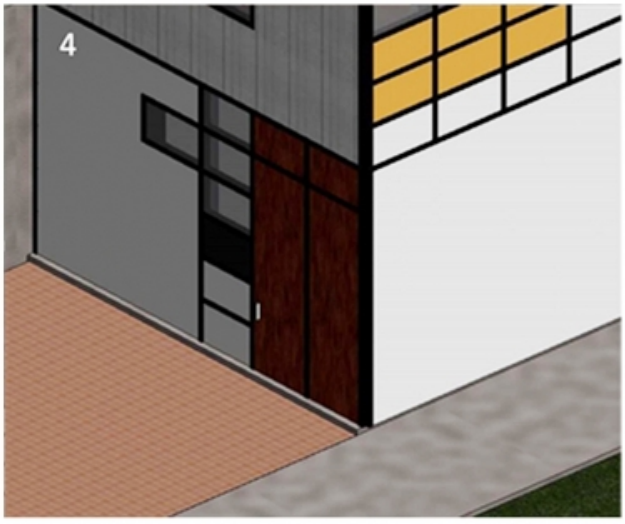
Lesson 3 - Curtain Systems

1. Podela zida zavese sa tačno odredjenim rastojanjima...postavljanje nosača zida zavese
2. Podela zida zavese sa drugacijim dimenzijama staklenih panela..podela zasebnih panela na više prozora..
- uklanjanje nosača i linija gde nisu potrebne
3. Menjanje osobina panela iz staklenog u obojeno...kreiranje nove grupe panela, i promena materijala
4. Postavljanje vrata na zid zavesu menjanjem osobine panela





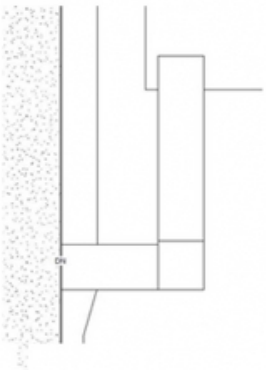


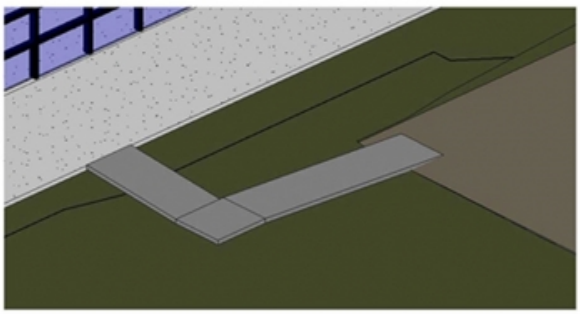


Lesson 4 - Interiors and Circulation

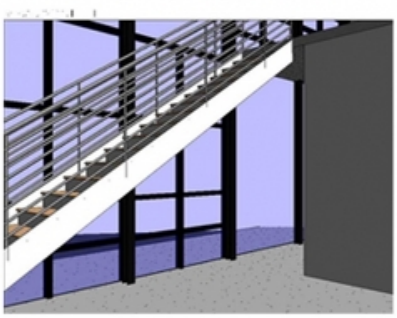
1. postavljanje stepenica , menjanje smera penjanja, istraživanje podešavanja stepenica, i menjanje tipa ograde
2. postavljanje rampe...rampa se postavlja na isti način kao i stepenice..podešavanje visine koju rampa treba da premosti, zatim selektovanje i brisanje ograde rampe
3. postavljanje spiralnih stepenica, menjanje tipa ograde, pravljenje rupe za stepenice u ploci (korisceno pick line) , postavljanje centralnog stuba stepenica (load family, insert, ubacivanje odgovarajućeg prečnika, te podešavanje top levela stuba - roof) i na kraju postavljanje ograde oko rupe u ploči (pick line)
4. postavljanje lifta u blizini stepeništa u studiju
Prvo se postavi lift na drugom, a zatim na prvom spratu..lift se ogradjuje zidovima, te se pravi rupa u ploči (opcija shaft u architecture) , i na kraju se u zidu pravi otvor (opcija wall u architecture).

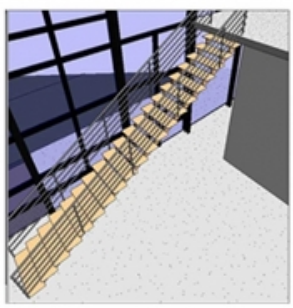
Postavljanje rampe



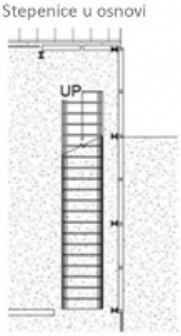


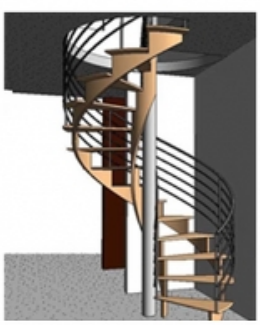
Postavljanje stepeništa

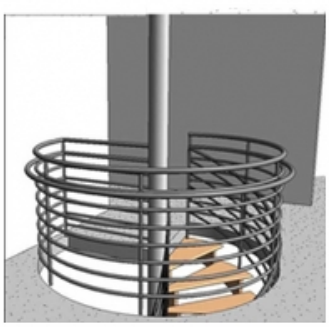


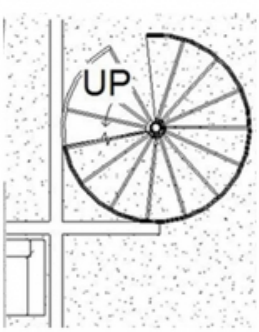


Stepenice u osnovi

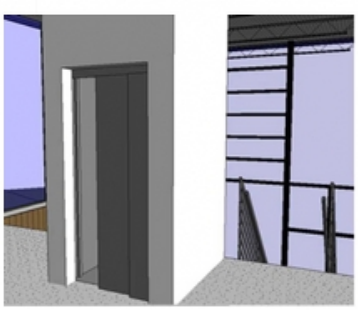




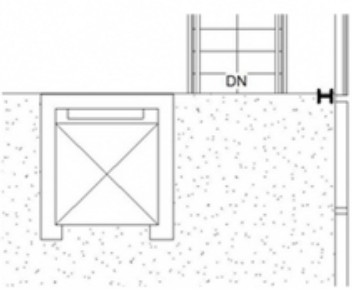




Postavljanje lifta



Lift u osnovi



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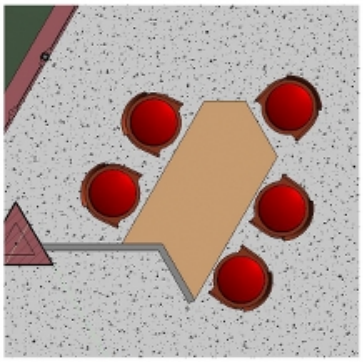
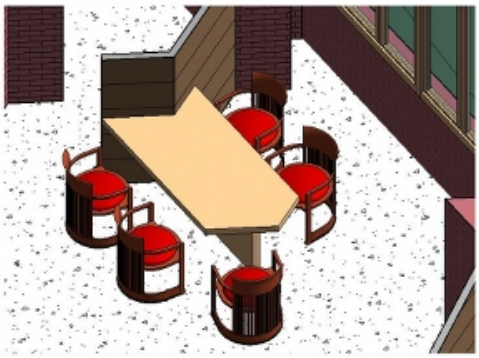
Lesson 5 - Families and Components

1. in place components
Stvaranje novih familija...crtanje stola u trpezariji i postavljanje stolica.
Familija - krevet...sastoji se iz tri dela...zaglavlja, postolja i duška..(three extruded shapes).
Otvori na zaglavnju napravljeni su uz pomoć opcije void form .
2.modifying a family definition
Editovanje postojeće lampe...menjanje oblika abažura, postolja i oblika osvetljenja.
Postavljanje tri držaca lampe uz ivicu abazura. Uskladjivanje materijala postolja i držaca.
* isprobavanje rendera
3.creating new families
Editovanje postojećeg stola , dodavanje okvira i refernetnih ravni. Postavljanje dimenzija tj udaljenja referentnih ravni.
Menjanje materijala, visine, širine, baze stola. Nakon dobijanja zeljenog oblika crtež se cuva
kao nova familija revita i moze se ubaciti u bilo koji projekat.
Zatim kopiranje nove familije i stvaranje sličnih stolova- menjanje dimenzija i materijala.

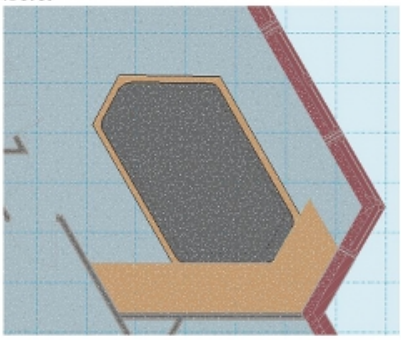
Trpezarijski sto

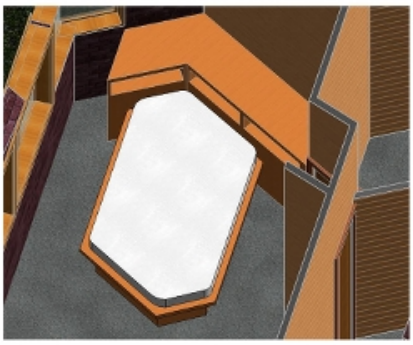




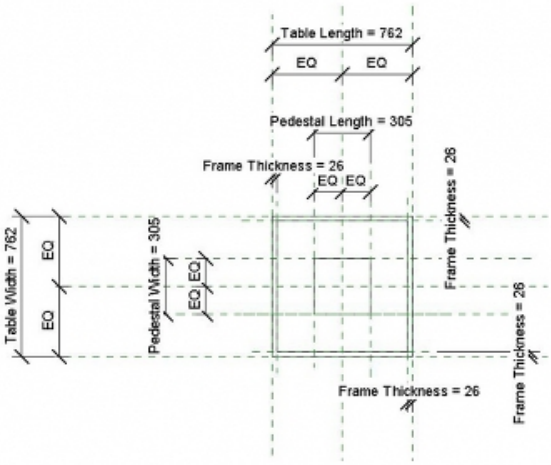
Lampa

Krevet

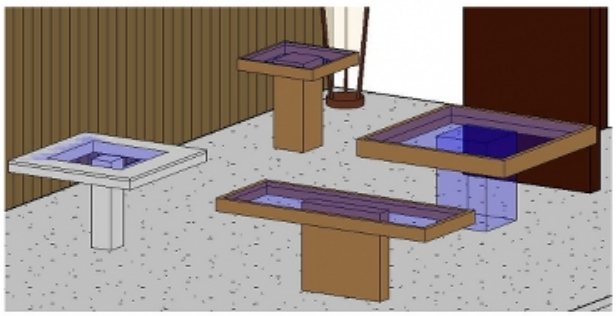




Osnova stola



Različite varijante istog stola



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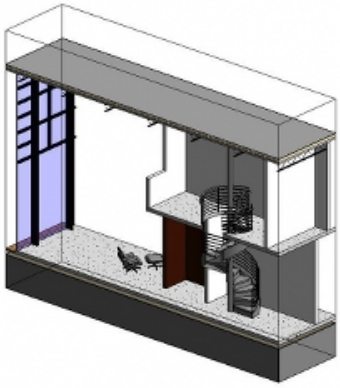
Lesson 6 - Views and Visualization

1.stvaranje novih pogleda u osnovi
- duplicate view, ili drop bar view ---> plan views---> floor plan
- promena razmere, debljine linija , naglasavanje nameštaja, sakrivanje odredjenih elemenata uz pomoć korišćenja opcije visibility graphics,underlay, view range

2. podešavanje i stvaranje preseka
- drop bar view ---> plan views--->elevation
-postavljanje preseka pomoću opcija crop region visibility, crop view, level detail, template view

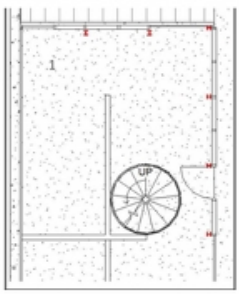
3. 3d izgledi
- postavljanje kamere ---> drop bar view --> 3D view--> camera
-promena položaja i usmerenja kamere
- section box ---> stvaranje 3d preseka

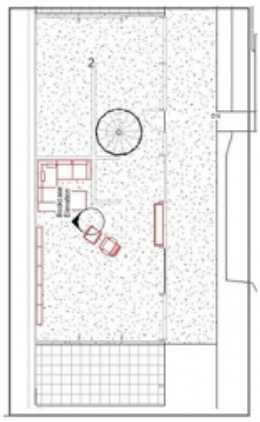
4. izgled elemenata
- graphic dispaly options -- podešavanje nivoa detalja i vizuelnog izgleda
-uključivanje senki, i podešavanje pozicije sunca

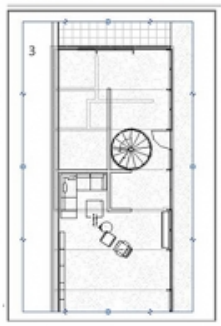


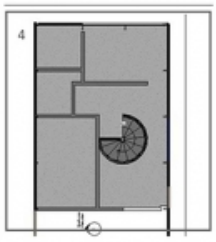
section box

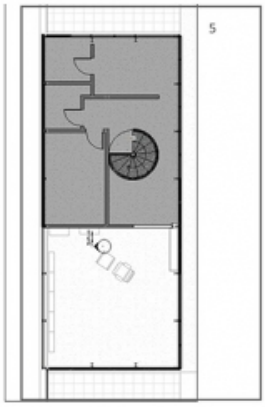
Promena razmere, debljine linija , naglasavanje nameštaja,



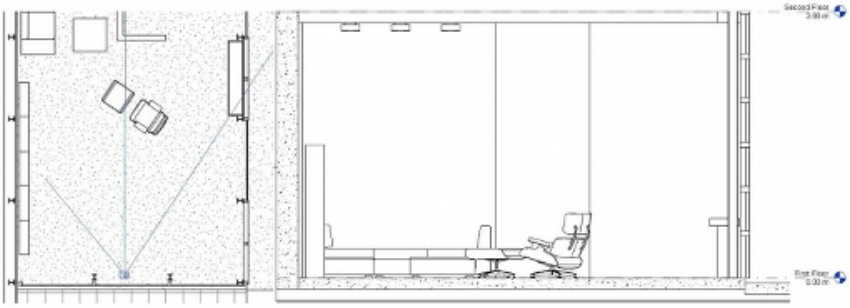








Postavljanje kamere



3D render enterijera

3D render eksterijera

INTEGRISANO MODELIRANJE ARHITEKTONSKIH OBJEKATA VEŽBA 7

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Lesson 7 - Materials, lighting and rendering

1. assigning materials to a component
- promena materijala poda terase i pristupne rampe u drvo - odredjivanje materijala sofe u dnevnoj sobi - primena istih tih materijala na stolove i stolice u hodniku
2. creating new materials
- stvaranje novih zadatih materijala za drveni i metalni okvir i sedište stolice--- duplicate material- changing appearance and pattern - primena novih materijala na stolici- properties--> materials and finishes
3.exterior renderings
- renderovanje eksterijera u losijoj i boljoj rezoluciji... poboljšanje grafike sa opcijom adjust exposure
4. interior renderings -renderovanje enterijera dnevne sobe , nakon renderovanja korišćenje opcije exposure settings -prilagodjavanje osvetljenja, jačine senki... uporedjivanje draft i medium opcije kvaliteta slike

drvena rampa

dnevna soba

Trpezarijski sto- primena upotrebljenih materijala

Eames stolica- pravljenje novih materijala

Perspektiva - draft kvalitet rendera

Perspektiva - medium kvalitet rendera

Perspektiva enterijera - draft kvalitet rendera

Perspektiva enterijera - modifikovan draft

Perspektiva enterijera - medium kvalitet rendera

Perspektiva enterijera - modifikovan medium

INTEGRISANO MODELIRANJE ARHITEKTONSKIH OBJEKATA

REVIT

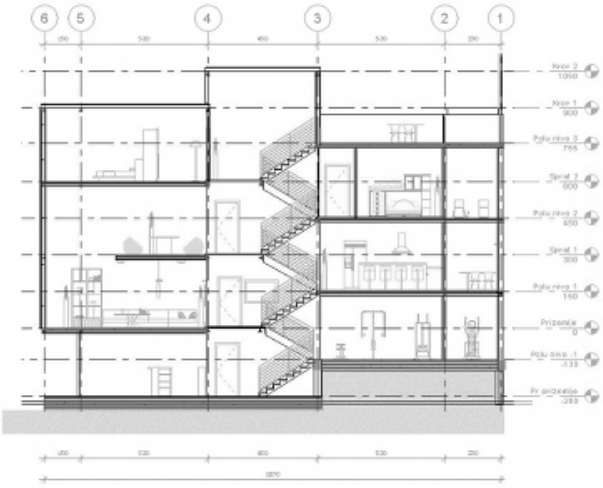
ass dr Mirjana Devetaković , dipl. inž. arh.

ARHITEKTONSKI FAKULTET UNIVERZITETA U BEOGRADU

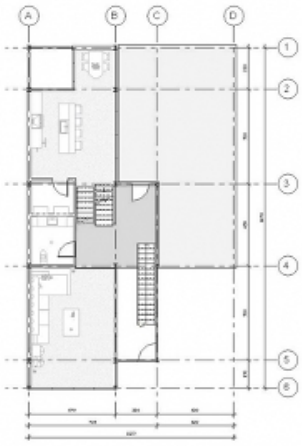
student : Jovana Zorić 152/2011

Model kuće sa studio projekta 1

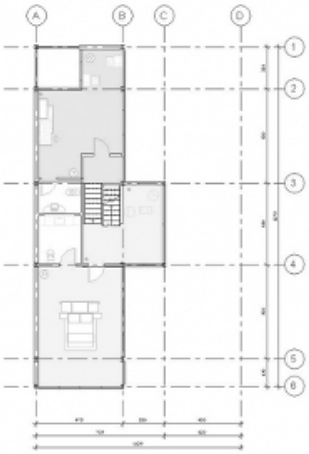
PRESEK KROZ OBJEKAT



Osnova prizemlja



Osnova sprata

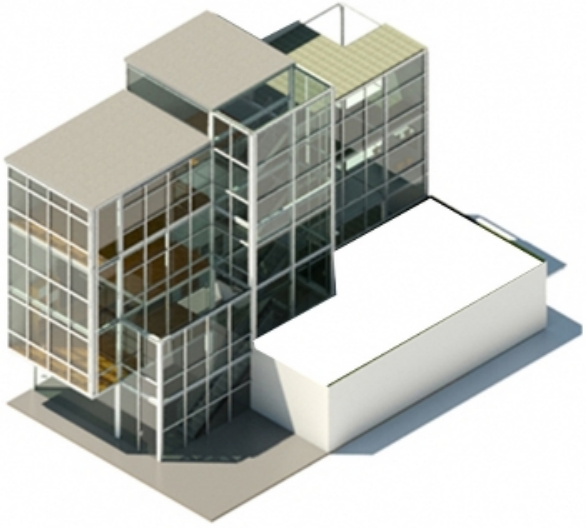


Render dnevne sobe

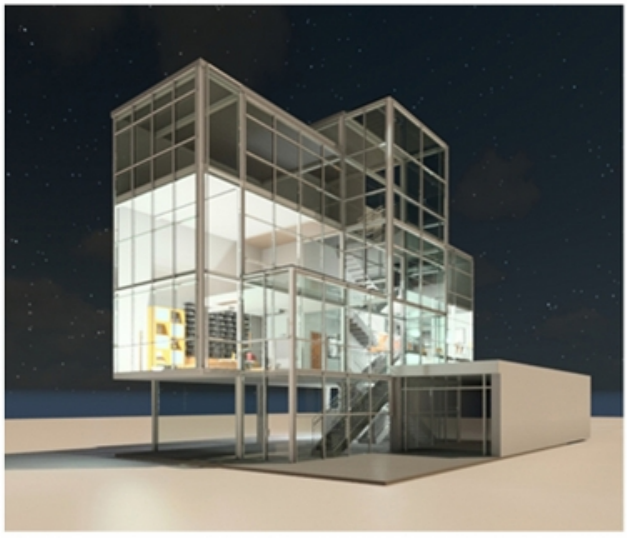
Osnova prizemlja- raspored nameštaja

3d model objekta

Danju



Noću



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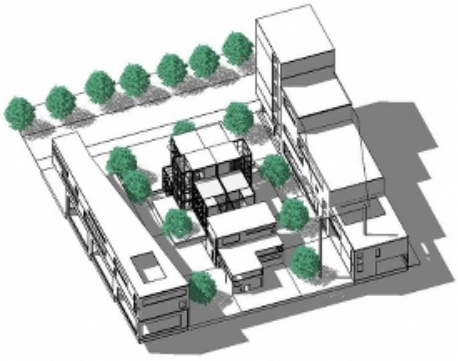
student : Jovana Zorić 152/2011

Model urbanizma sa studio projekta 1

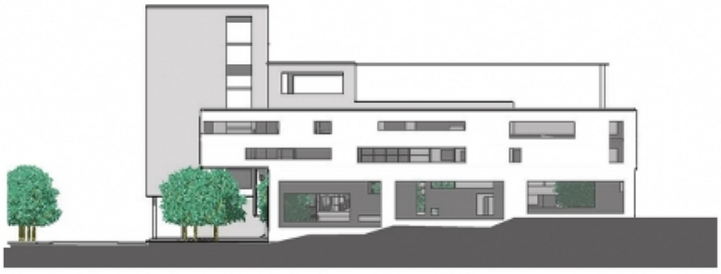
3D model

Presek



Pogled sa druge strane

Izgled 1



RIGHT

Izgled 2

LEFT

MODUL 17

INTEGRISANO MODELIRANJE ARHITEKTONSKIH OBJEKATA

REVIT

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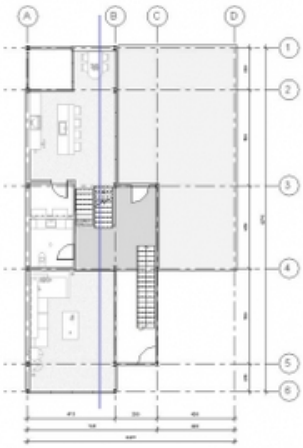
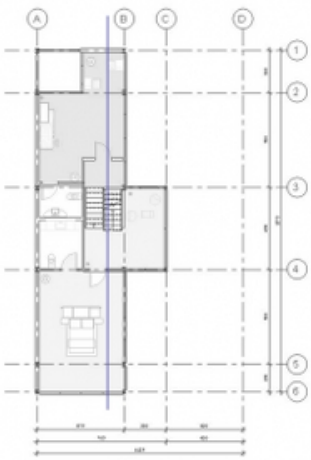
student : Jovana Zorić 152/2011

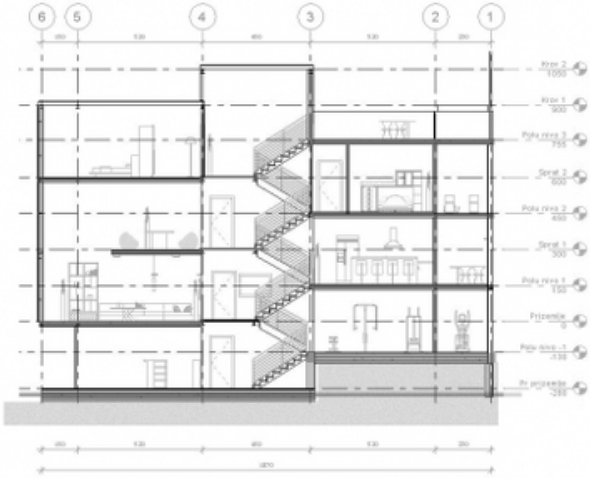
Osnova prizemlja i polunivoa 1



Osnova sprata 2 i polunivoa 3

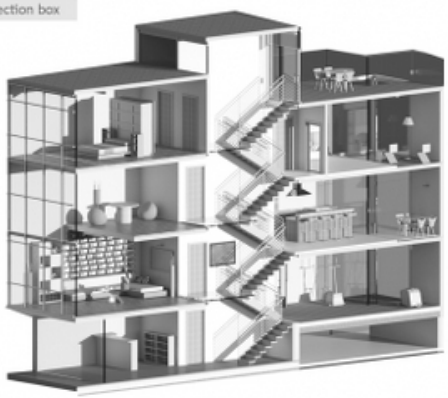


Presek kroz objekat

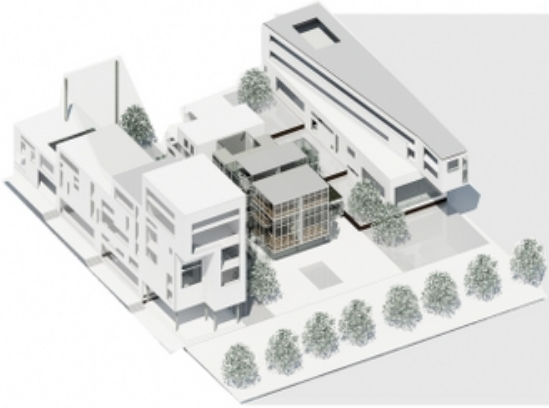


3D prikaz objekta

Section box



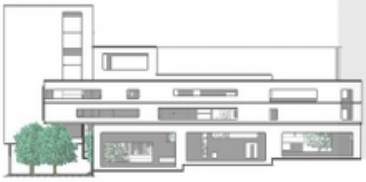
Aksonometrija urbanizma



Pogled sa krova

Izgledi

left loook



right look

Stakleni hodnik