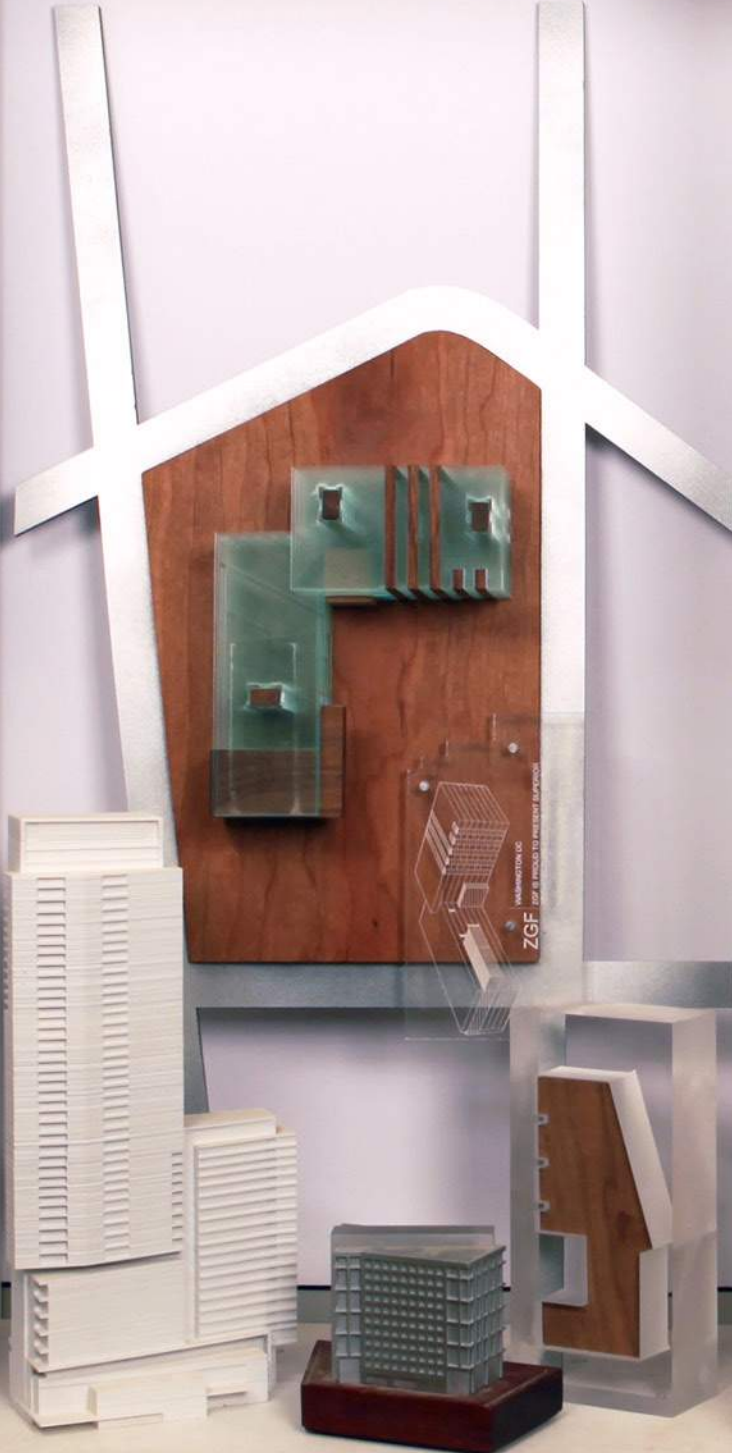
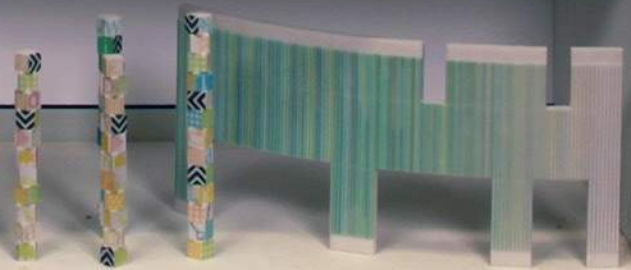




zgf model shop  
fabrication booklet



spring 2015



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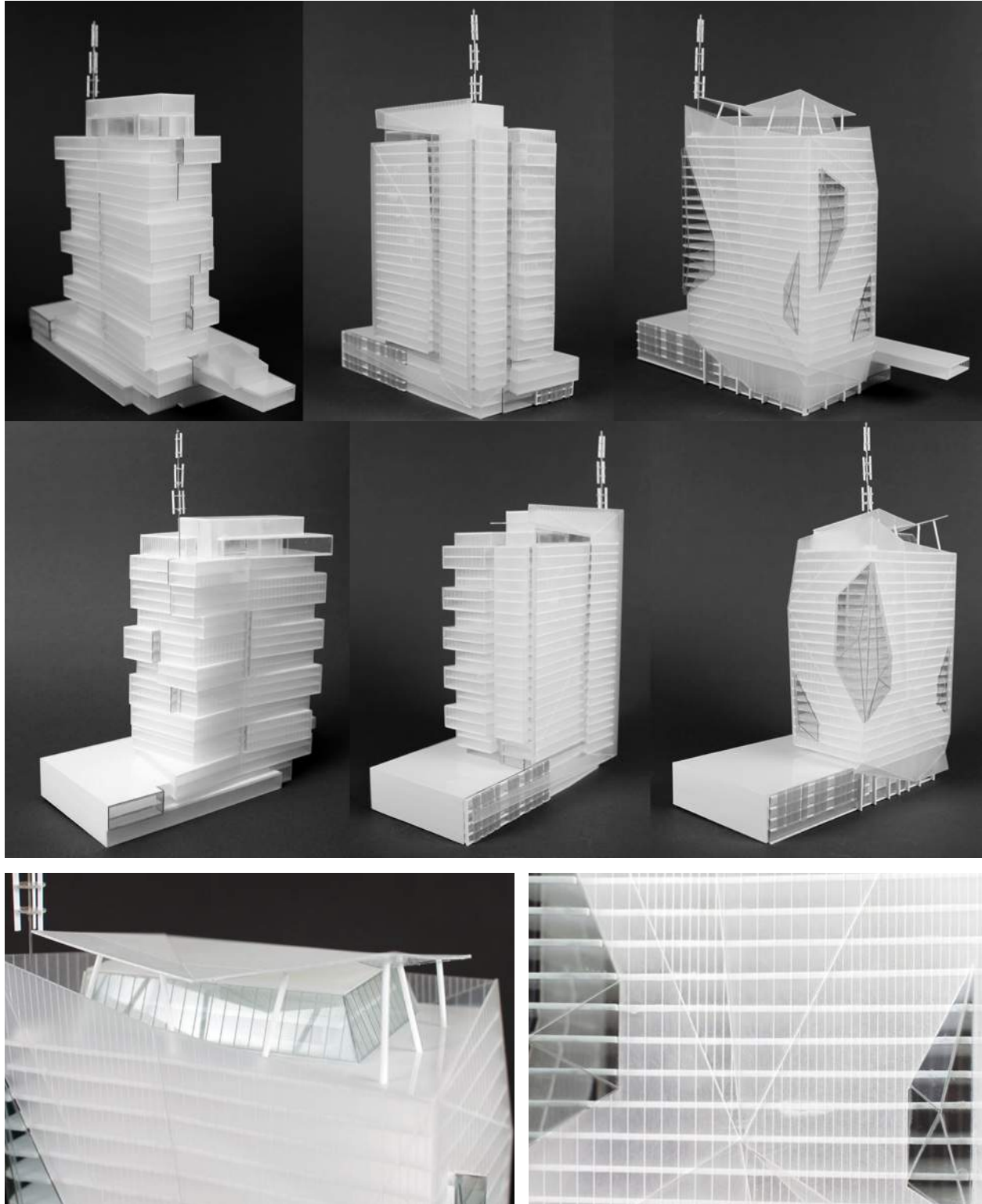


## SURREY

build time: 280 hours  
materials: acrylic / mdf

scale: 1:250 metric  
date: march 2012





## NORTH LOT SOUTH TOWER

build time: 40 hours per scheme  
materials: acrylic

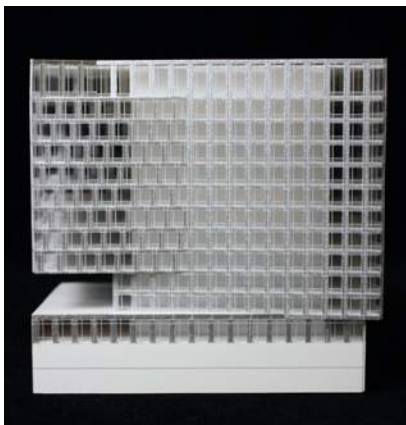
scale: 1"=30'  
date: january 2012



## COLUMBO

build time: 80 hours per vignette  
materials: foam / walnut / acrylic

scale: 1:200 metric  
date: february 2015



## JBG SCHEMES

build time: 40 hours per scheme  
materials: acrylic / basswood / mdf

scale: 1"=40'  
date: march 2011





## CHINA HEFEI

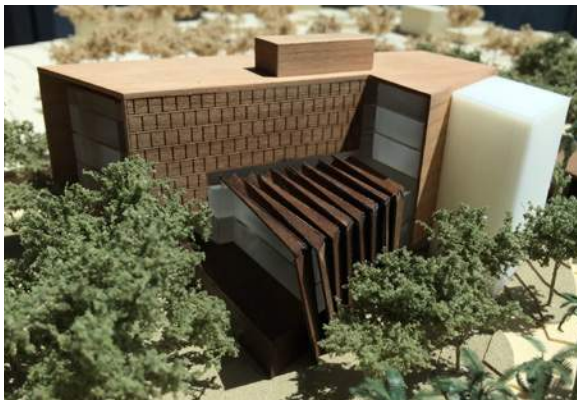
build time: 120 hours

materials: cherry / mdf / veneer / acrylic

scale: 1:500 metric

date: february 2008





## PARAGUAY

build time: 240 hours / 3 schemes

materials: foam / wood / acrylic

scale: 1:500 metric

date: may 2014





## PARAGUAY

build time: 100-150 hours per plug  
materials: foam / wood / acrylic

scale: 1:250 metric  
date: june 2014





## CTRI

build time: 300 hours

materials: acrylic / foam / basswood

scale: 1/32"

date: march 2012





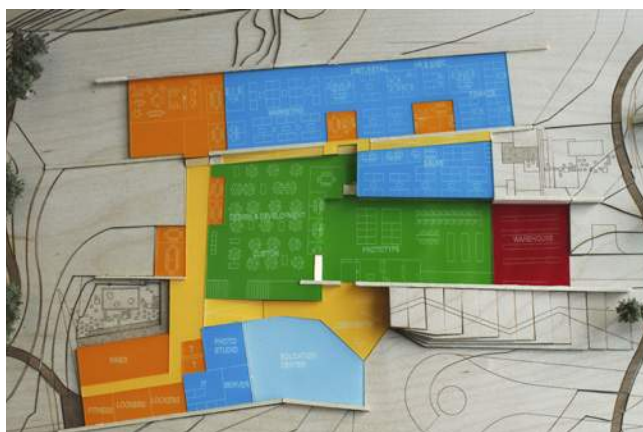
## HEALTHY LIFESTYLES BUILDING

build time: 200 hours

materials: basswood / oak / acrylic / walnut / foam

scale: 1/16"

date: july 2011

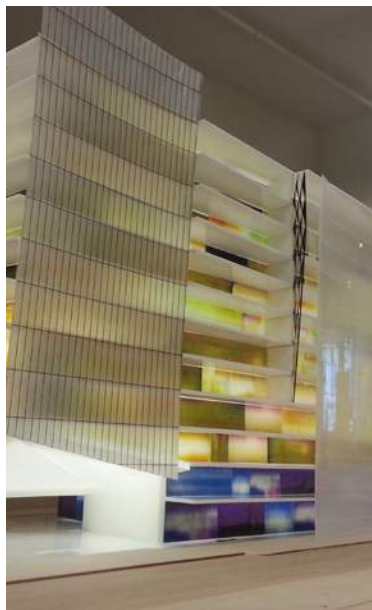


## PEARL IZUMI

build time: 40 hours per scheme  
materials: acrylic / veneer / mdf

scale: 1"=50'  
date: june 2012

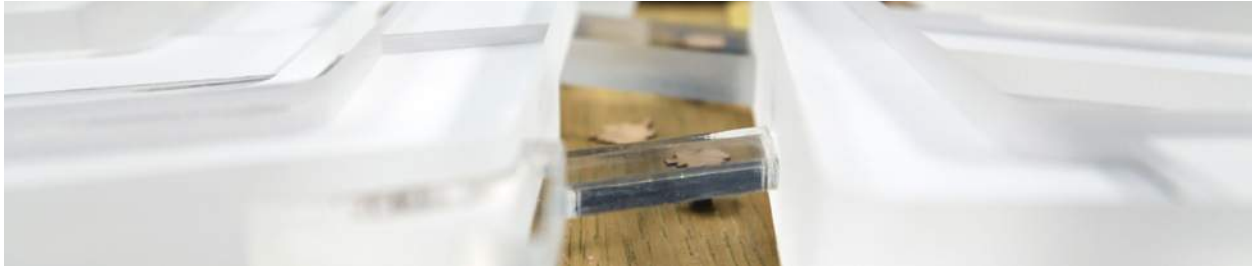




**JBG**

build time: 200 hours  
materials: wood / acrylic

scale: 1/16"  
date: may 2012



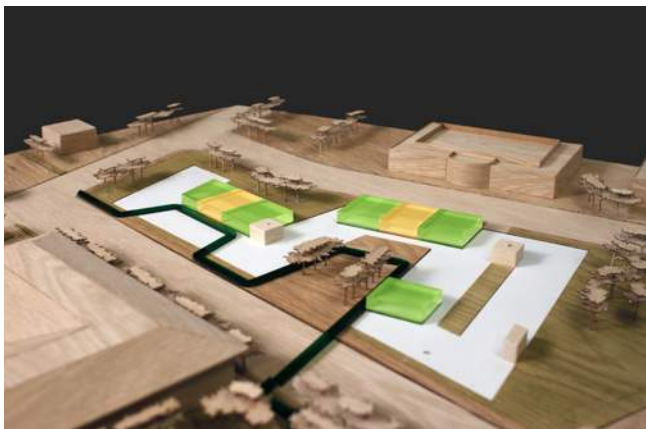
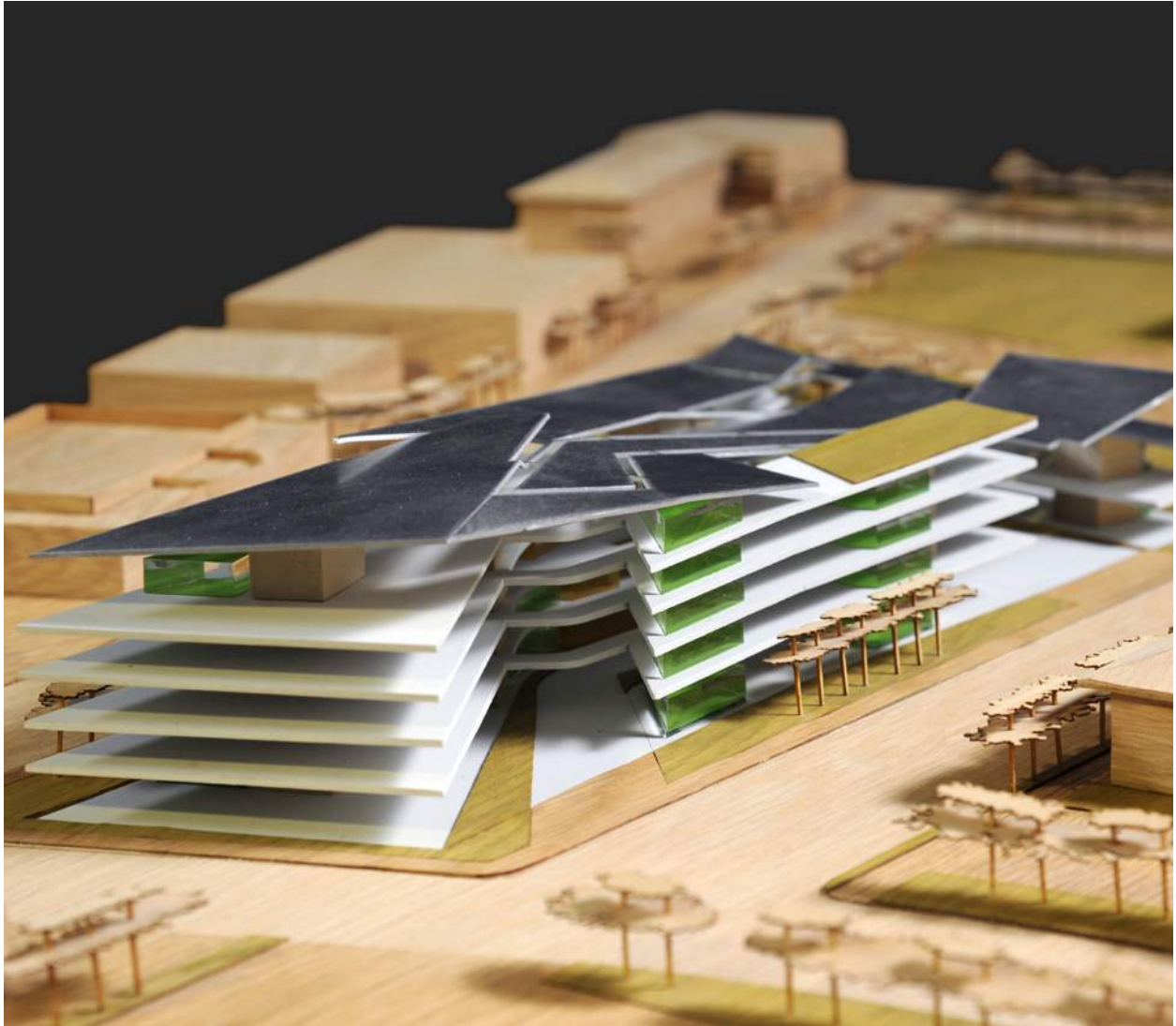
## CEH

build time: 160 hours

materials: acrylic / walnut / white oak

scale: 1"=80'  
date: april 2012



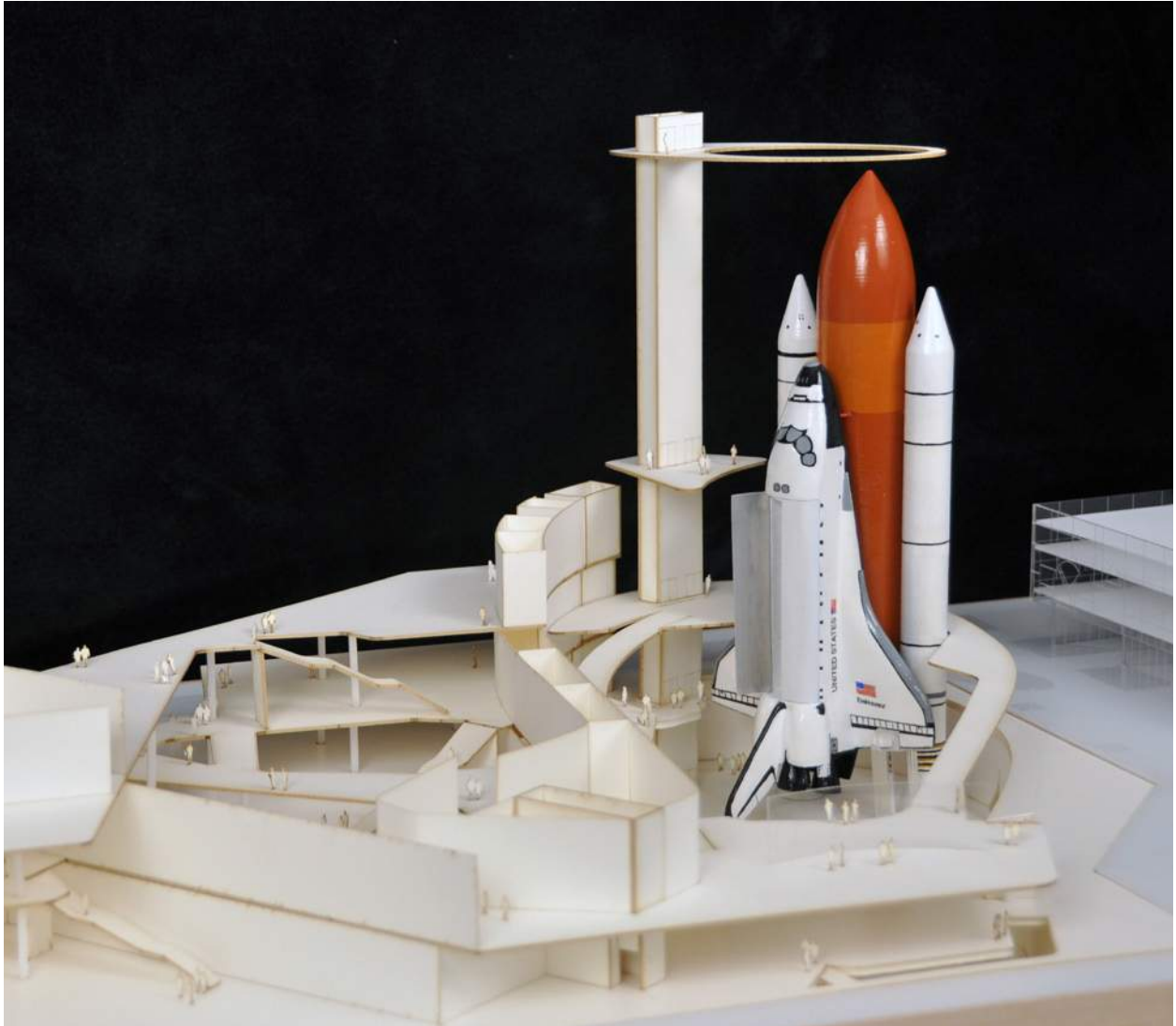


## INTUIT

build time: 140 hours

materials: white oak / acrylic / aluminum

scale: 1"=30'  
date: january 2012

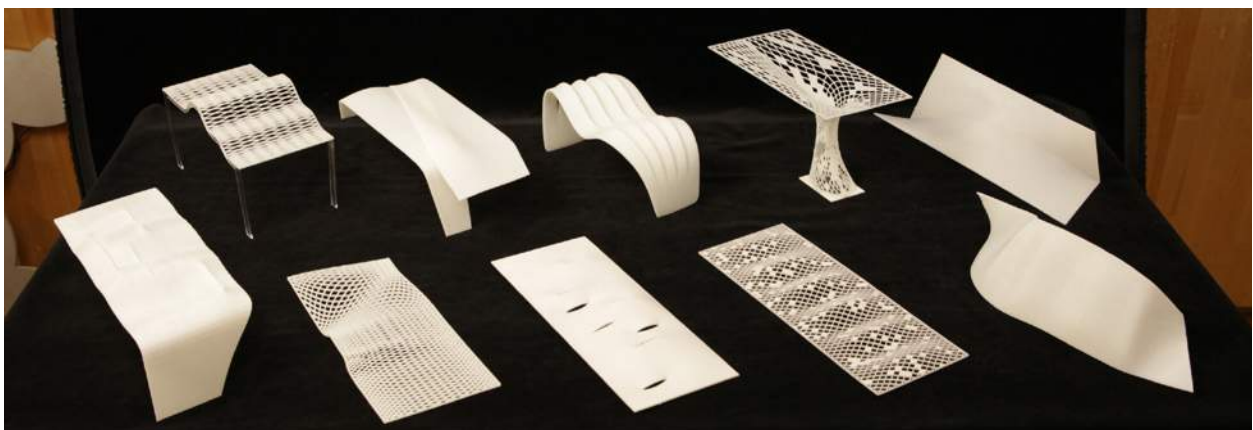
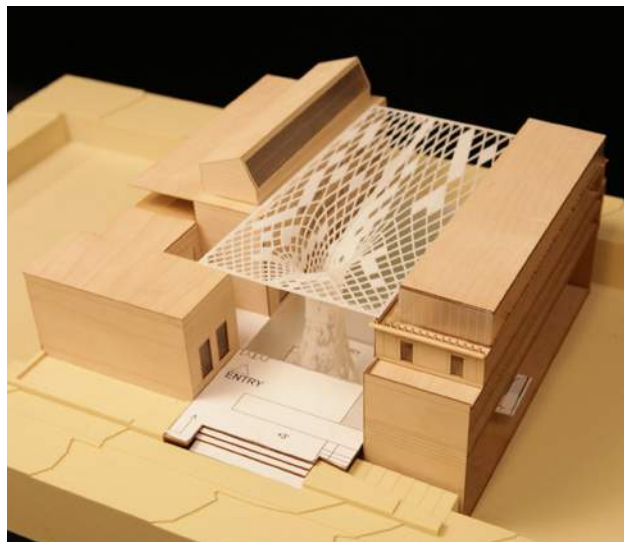
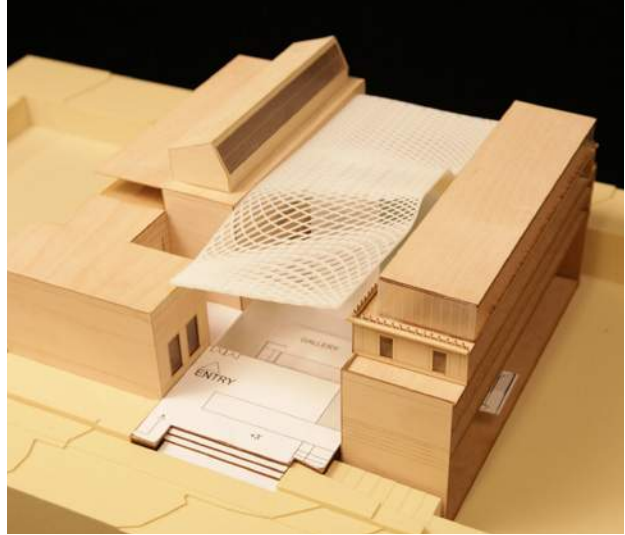


## CALIFORNIA SCIENCE CTR. P3

build time: shuttle 40 hours / model 120 hours  
materials: acrylic / museum board / mdf

scale: 1/16"  
date: june 2012





## PAM

build time: context 80 hours / each 3d print 10-20 hours  
materials: foam / 3d printed plastic / veneer

scale: 1/8"  
date: november 2012



## PROJECT IMPACT

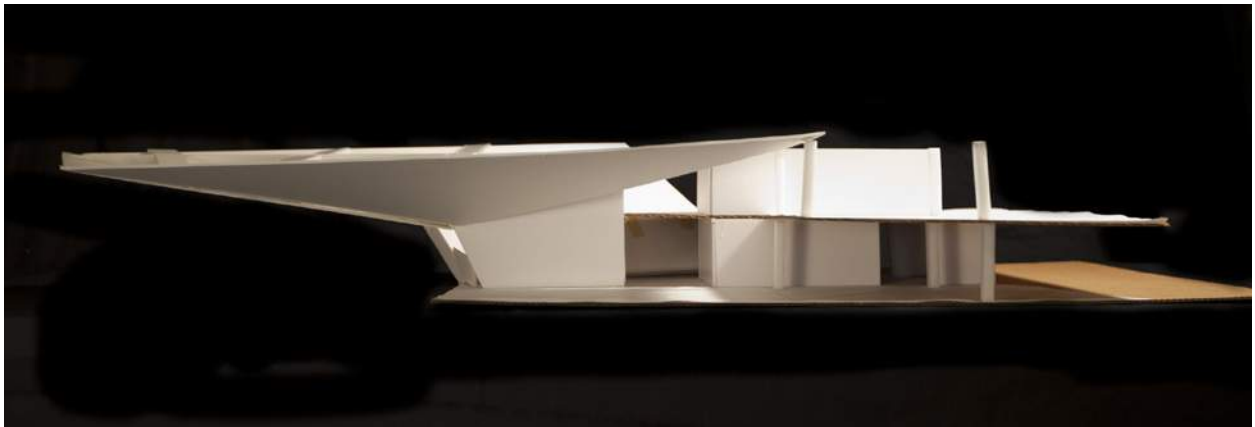
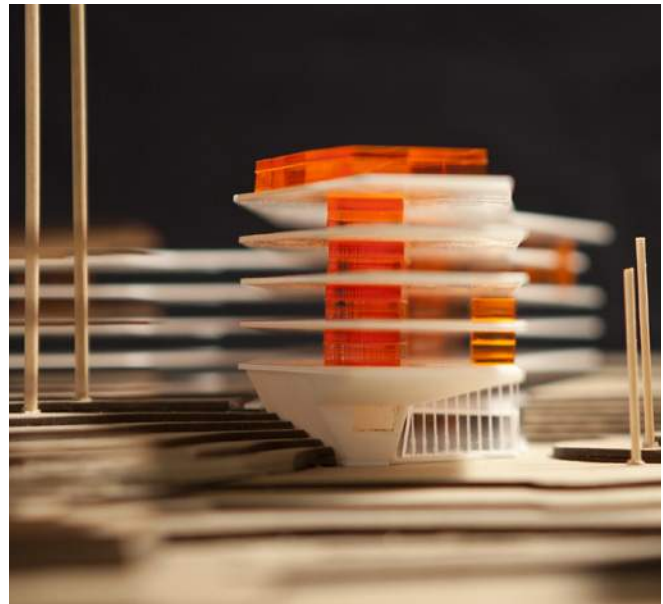
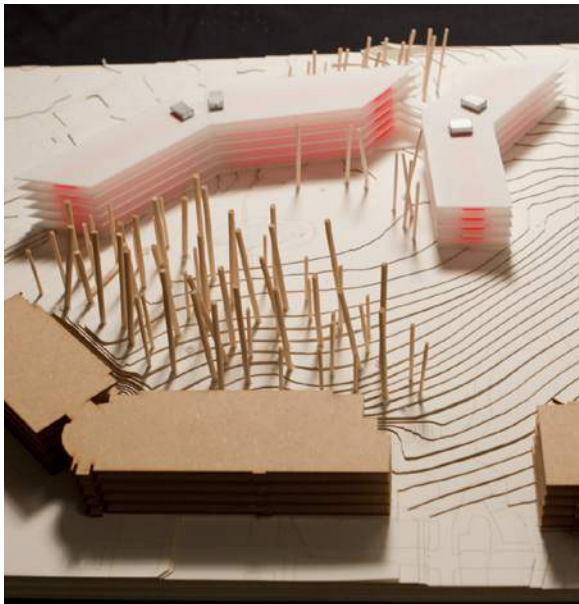
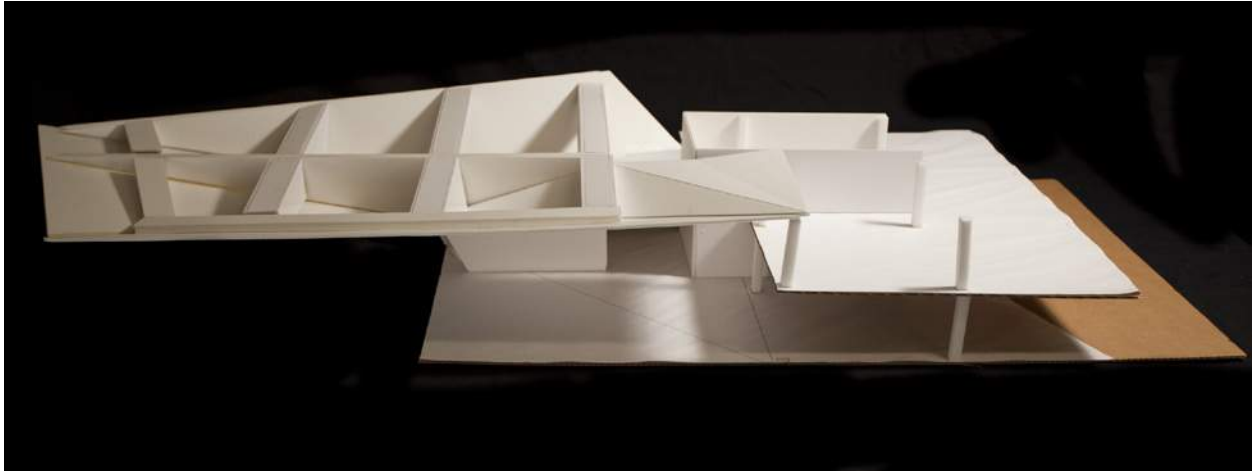
build time: 150 hours

materials: acrylic / museum board / mdf / foamcore

scale: 1/4"

date: spring 2013





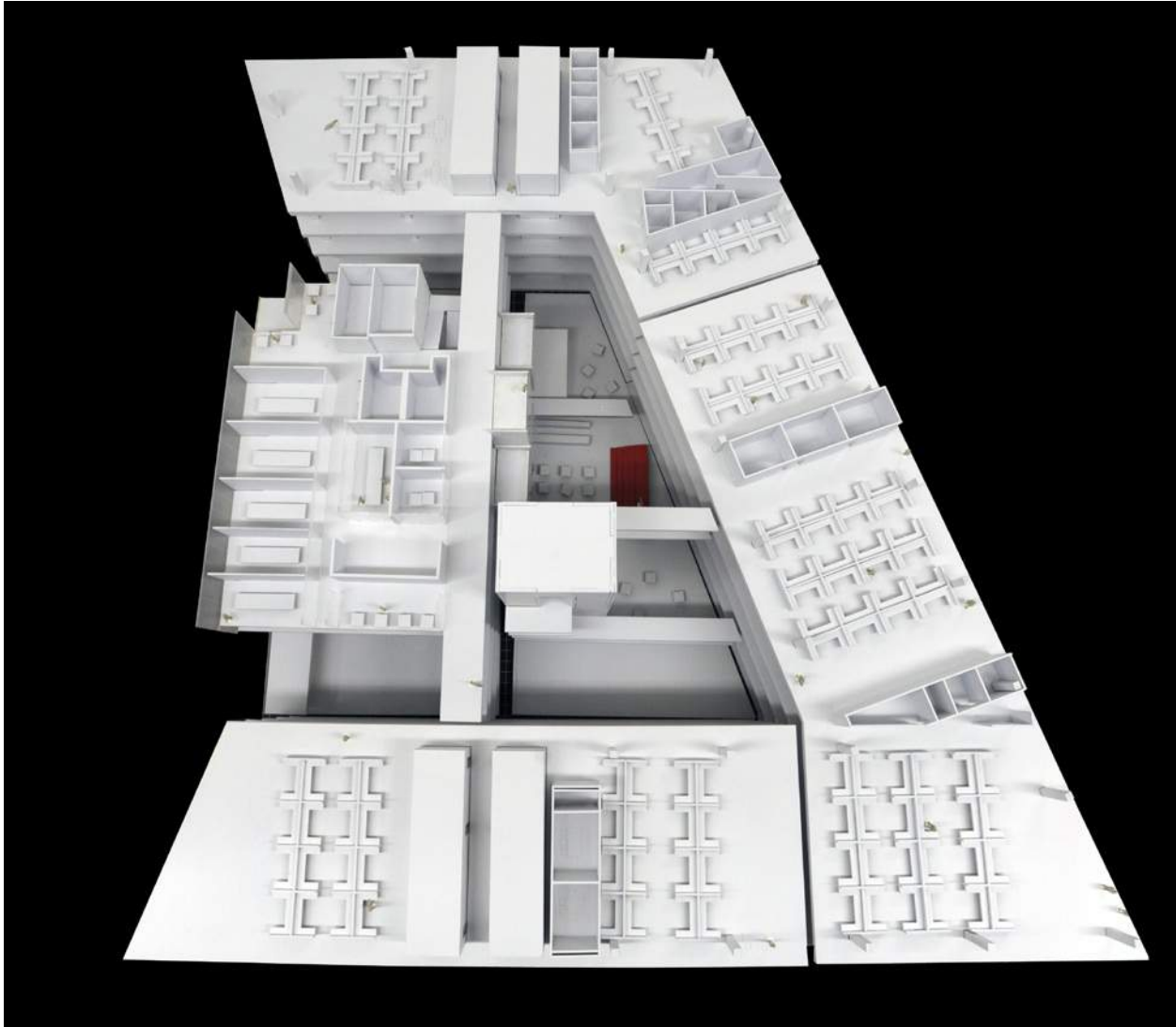
## PROJECT IMPACT

build time: varies

materials: acrylic / museum board / mdf / foamcore

scale: 1/32", 1/4"

date: spring 2013



## RESISTOR MODELS

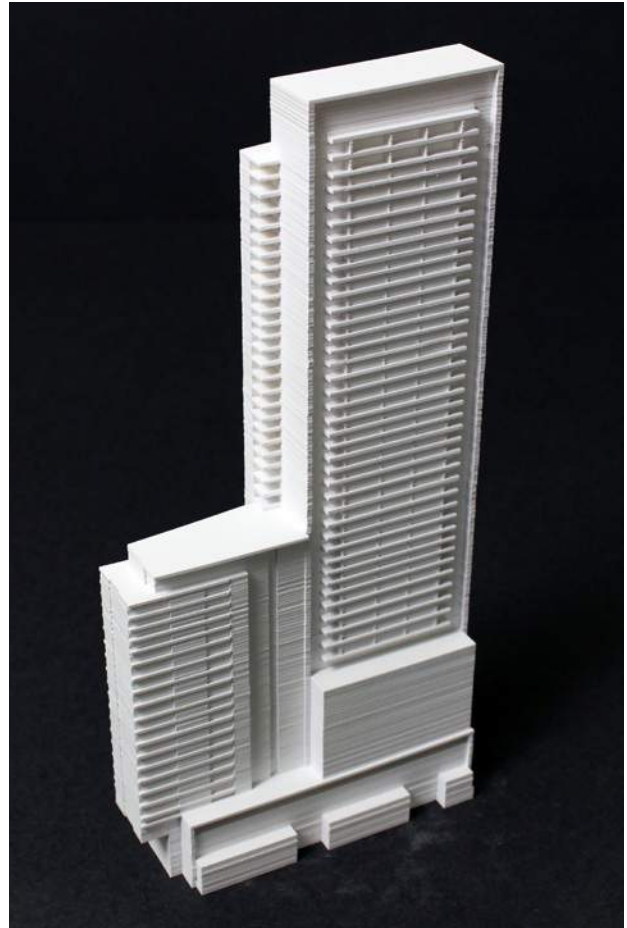
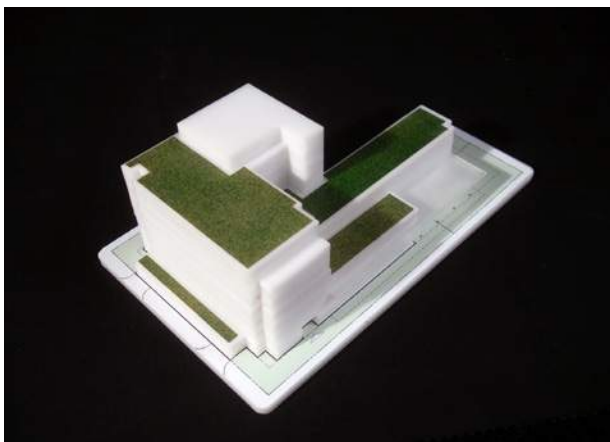
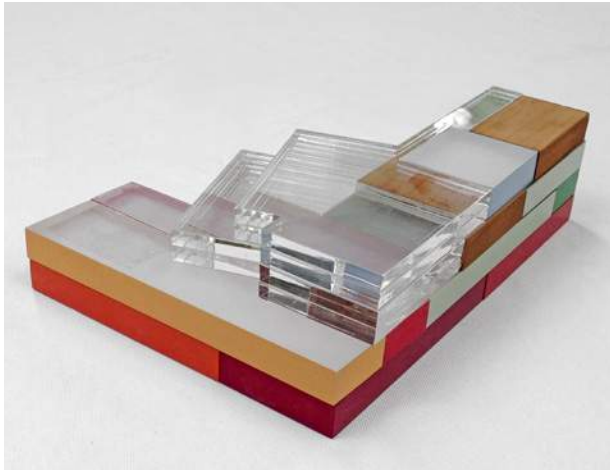
build time: varies

materials: acrylic / mdf / paper / veneer

scale: varies

date: 2009- 2012





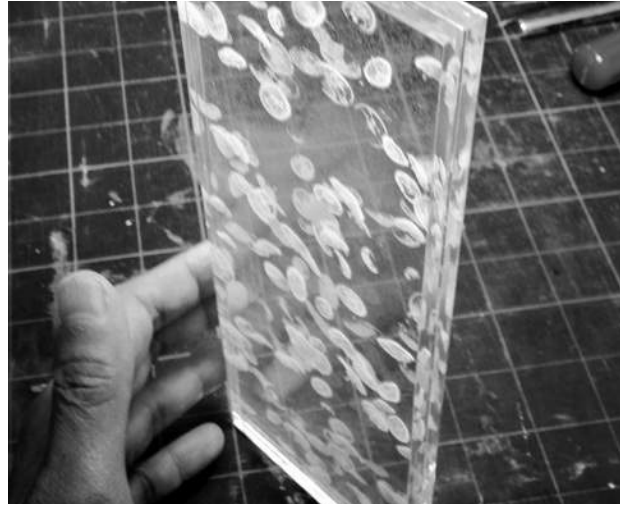
## MASSING MODELS

build time: varies

materials: acrylic / mdf / paper / chipboard

scale: varies

date: 2007- 2012



## INTERIOR PROTOTYPES

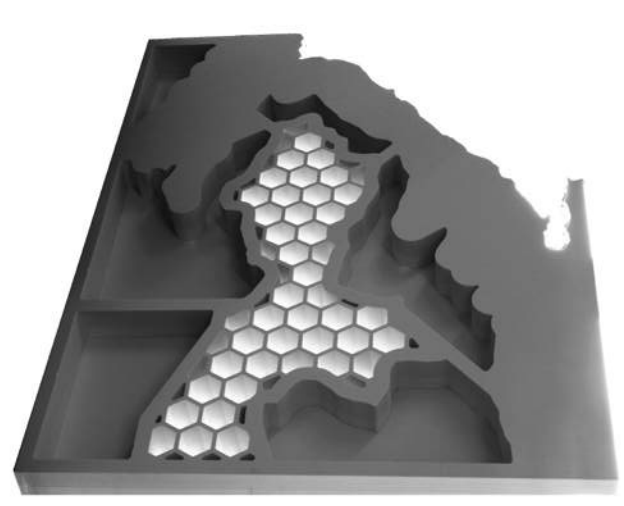
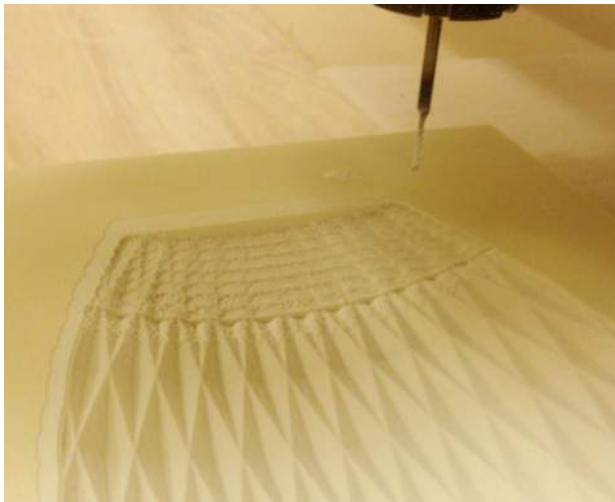
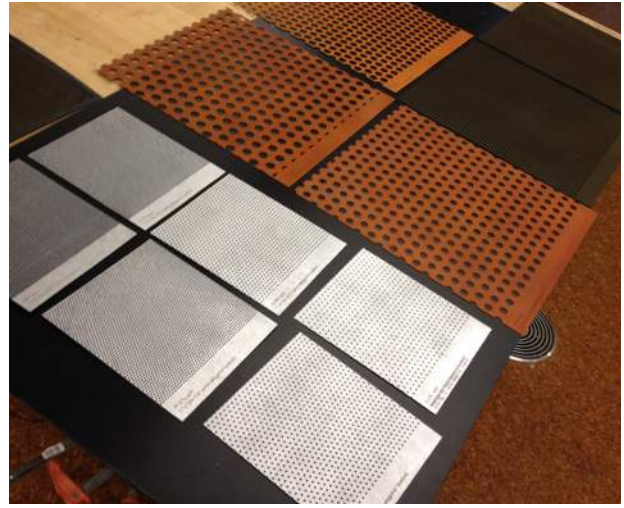
processes: cnc milling / laser rastering / laser cutting

materials: walnut / acrylic / mdf / foam / corian / cherry

scale: varies

date: 2007- 2012





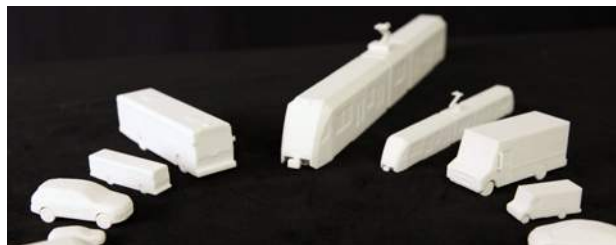
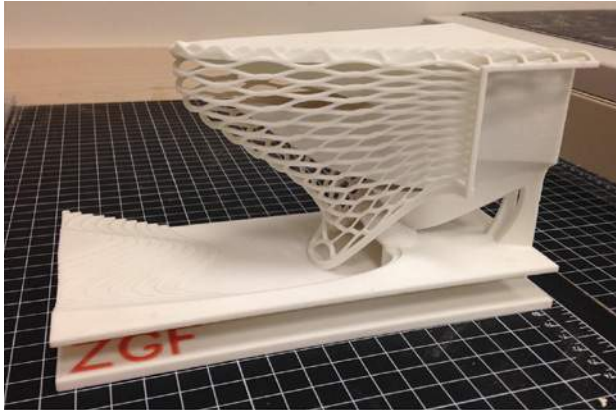
## ARCHITECTURAL PROTOTYPES

processes: 3D printing / laser cutting / cnc mill

materials: abs plastic / chipboard / foam / hdpe plastic

scale: varies

date: 2007- 2012



## POWDER 3D PRINTER PROTOTYPES

build time: varies

materials: 3d printed powder

scale: varies

date: 2014





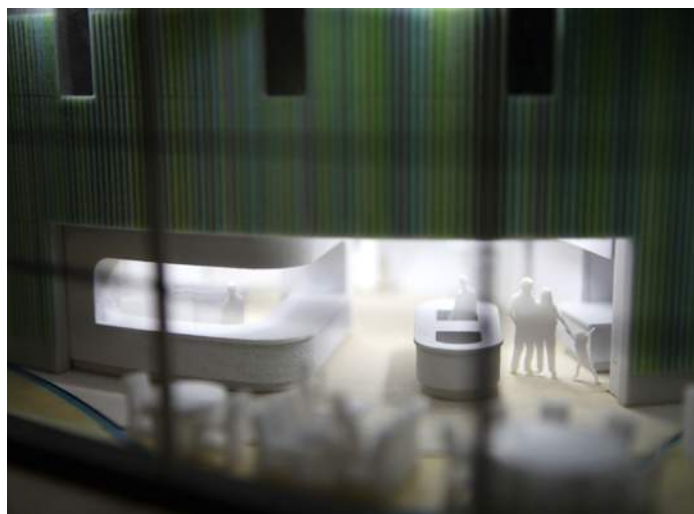
## FACADE STUDY EXAMPLES

build time: 80-100 hours each

materials: basswood / mdf / foam

scale: 1:50 metric / 1/4"

date: july 2014



## IOWA CHILDREN'S HOSPITAL

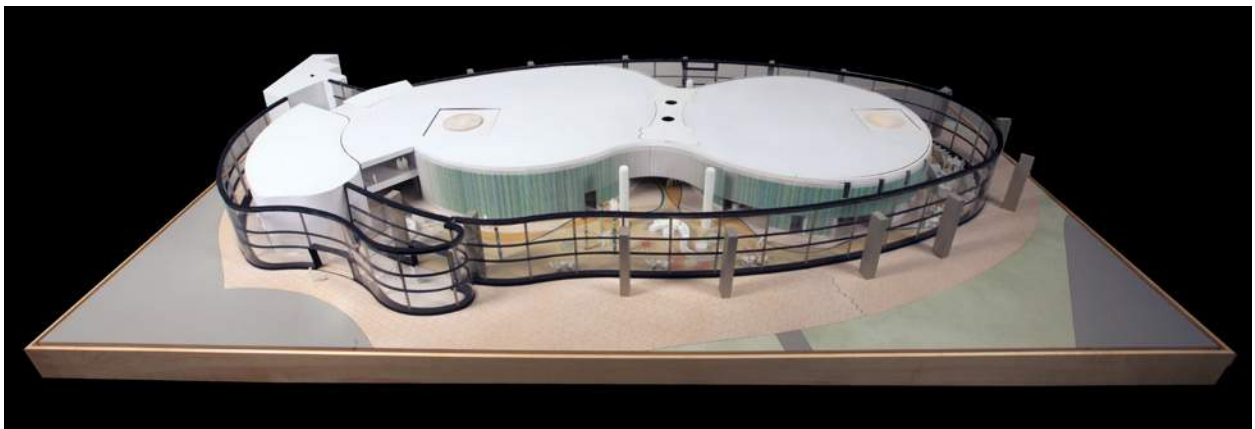
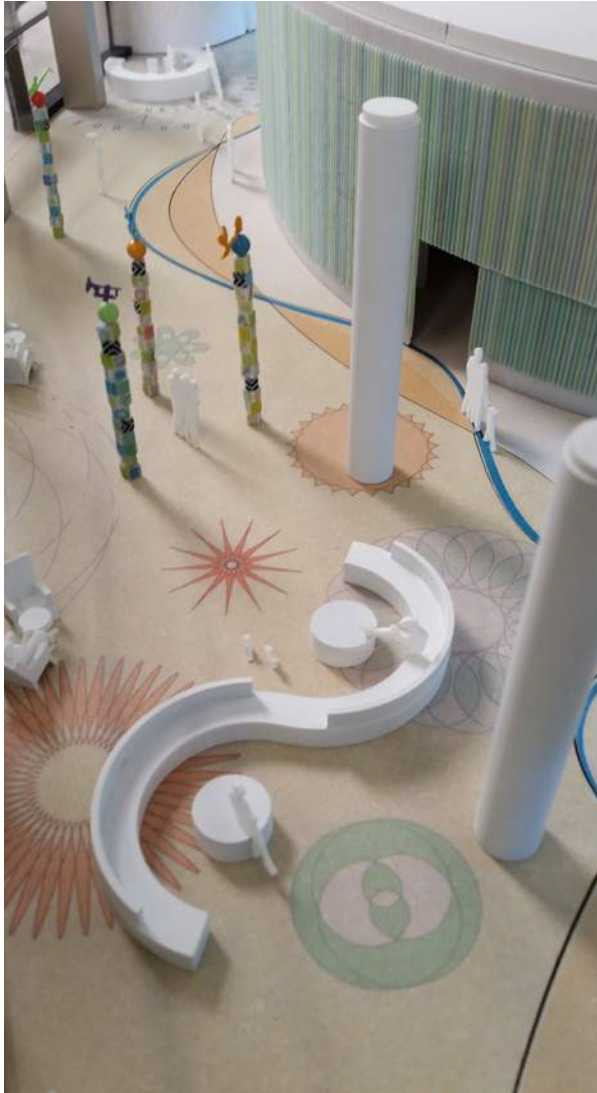
build time: 400 hours

materials: foam / acrylic / mdf

scale: 3/16"

date: february 2015





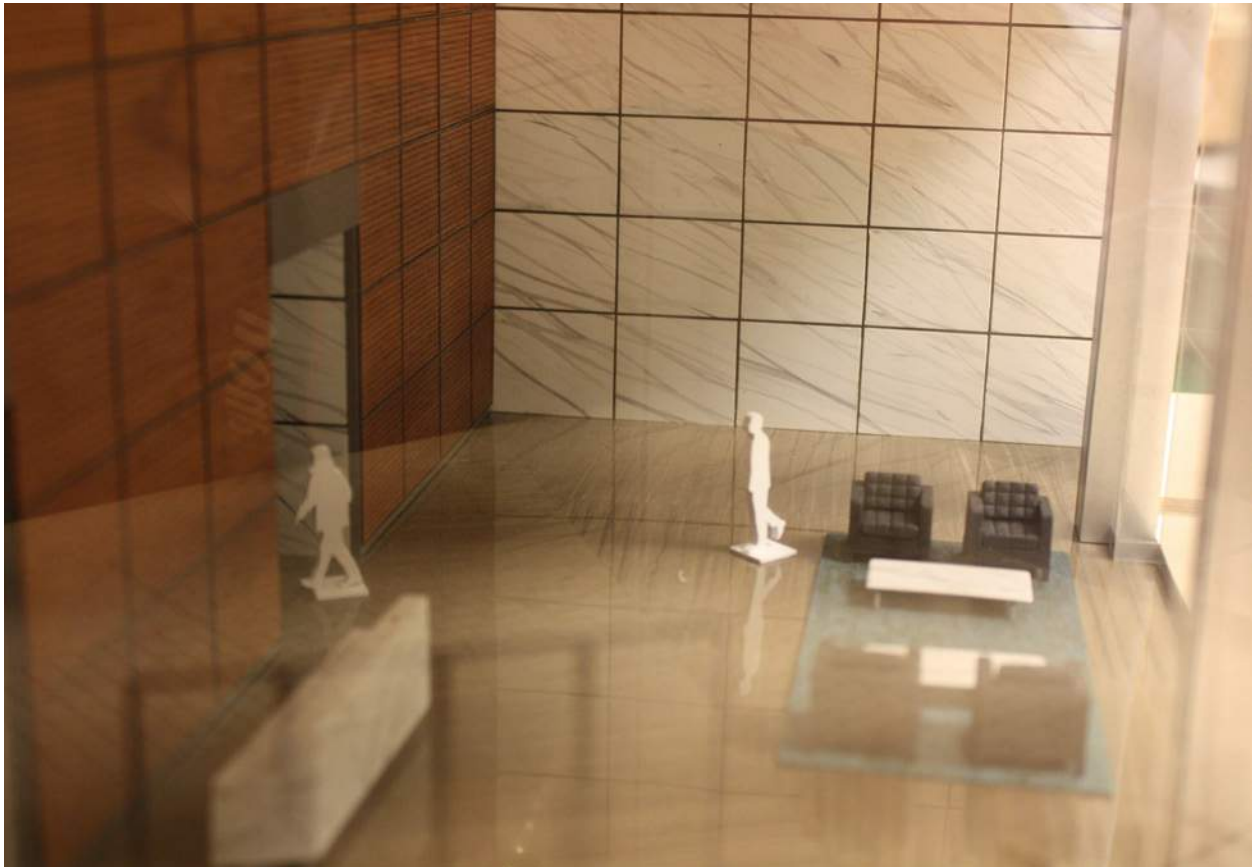
## IOWA CHILDREN'S HOSPITAL

build time: 400 hours

materials: foam / acrylic / mdf

scale: 3/16"

date: february 2015



## VARIOUS INTERIOR MODELS

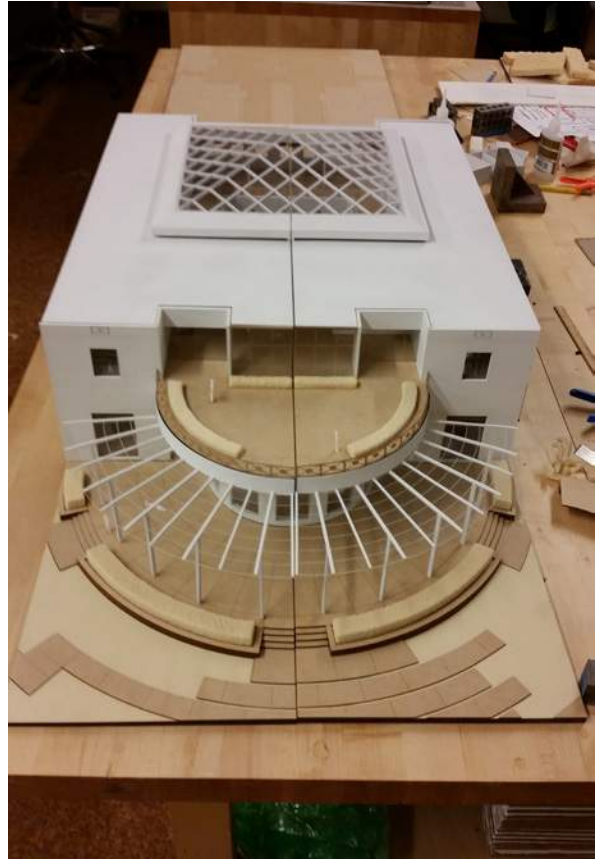
build time: varies

materials: foam / cherry / acrylic / mdf

scale: 1/4" , 3/8"

date: february 2012





## MANILA

build time: 160 hours

materials: foam / mdf / acrylic

scale: 1 :75 metric

date: june 2014



## UICH

build time: 100 hours

materials: photo paper / mdf / custom canvas bag

scale: 1" = 40'

date: november 2013





## STANFORD REDWOODS

build time: 60-100 hours per presentation  
materials: foam / acrylic / aluminum

scale: 1:30 & 1:100  
date: january 2014 & april 2014



## CHINA HEFEI

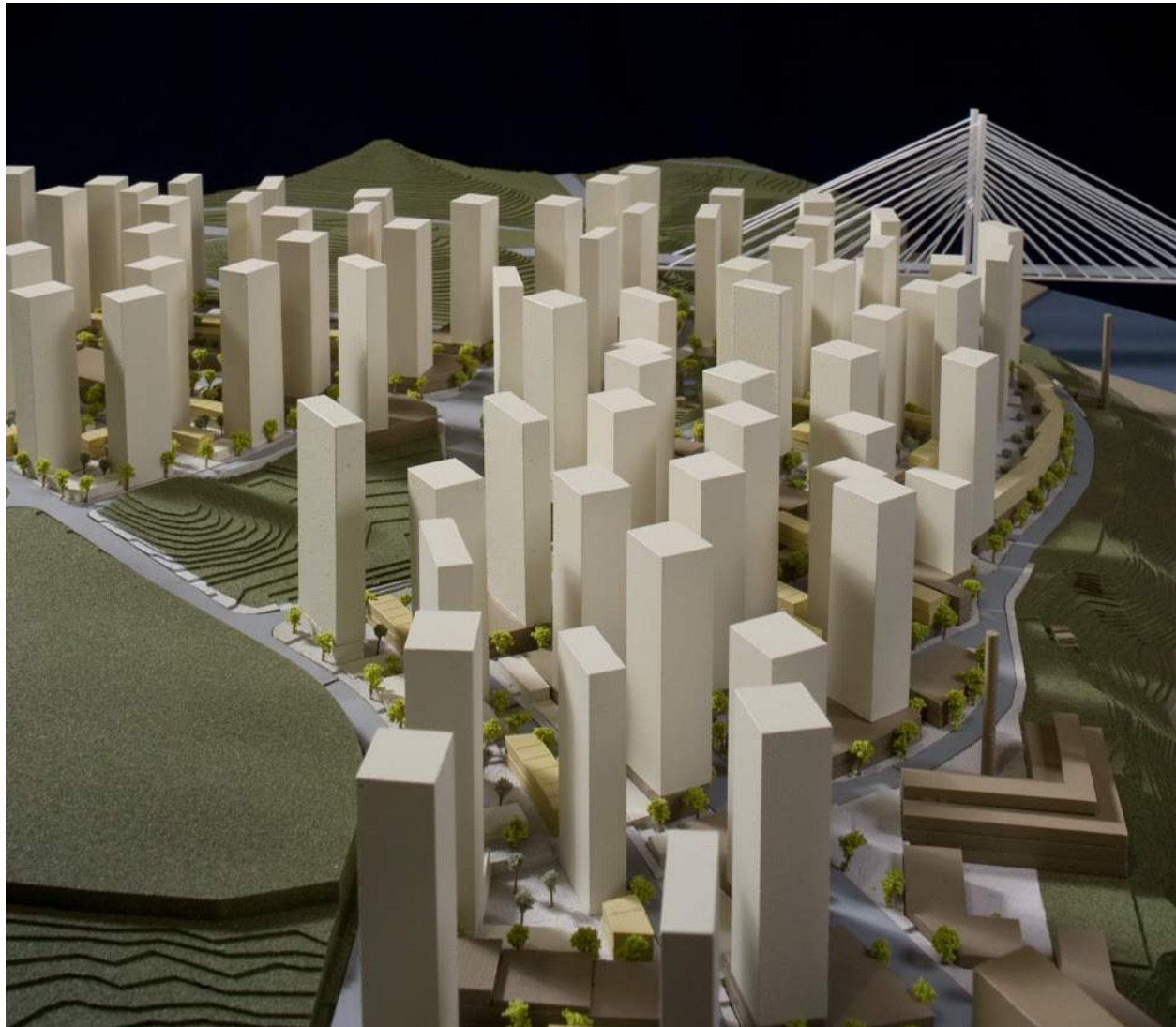
build time: 160 hours

materials: maple / mdf / veneer / acrylic

scale: 1:1000 metric

date: november 2007





## YIBIN MASTER PLAN

build time: 140 hours

materials: foam / acrylic / mdf

scale: 1:1500 metric  
date: december 2011



## SOUTHWEST ECO DISTRICT

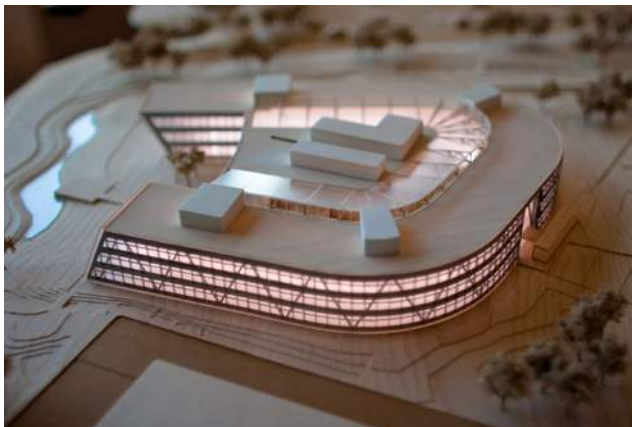
build time: 200 hours

materials: foam / 3d printed plastic / acrylic / white oak

scale: 1" = 100'

date: october 2011





## FEDERAL SOUTH BUILDING

build time: 300 hours

materials: maple / mdf / basswood / acrylic

scale: 1:400 metric

date: june 2010



## PROVO

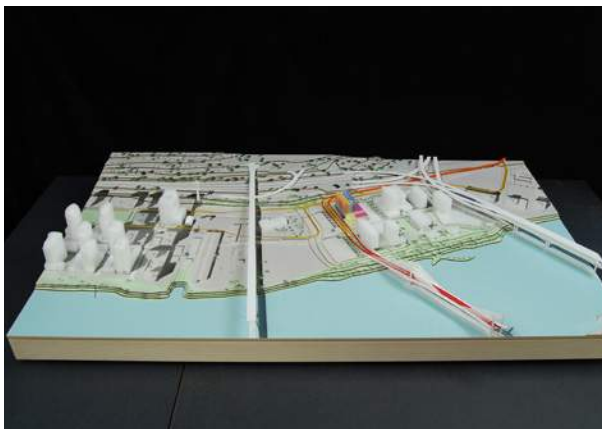
build time: 350 hours

materials: foam / acrylic / mdf

scale: 1/16"

date: october 2014



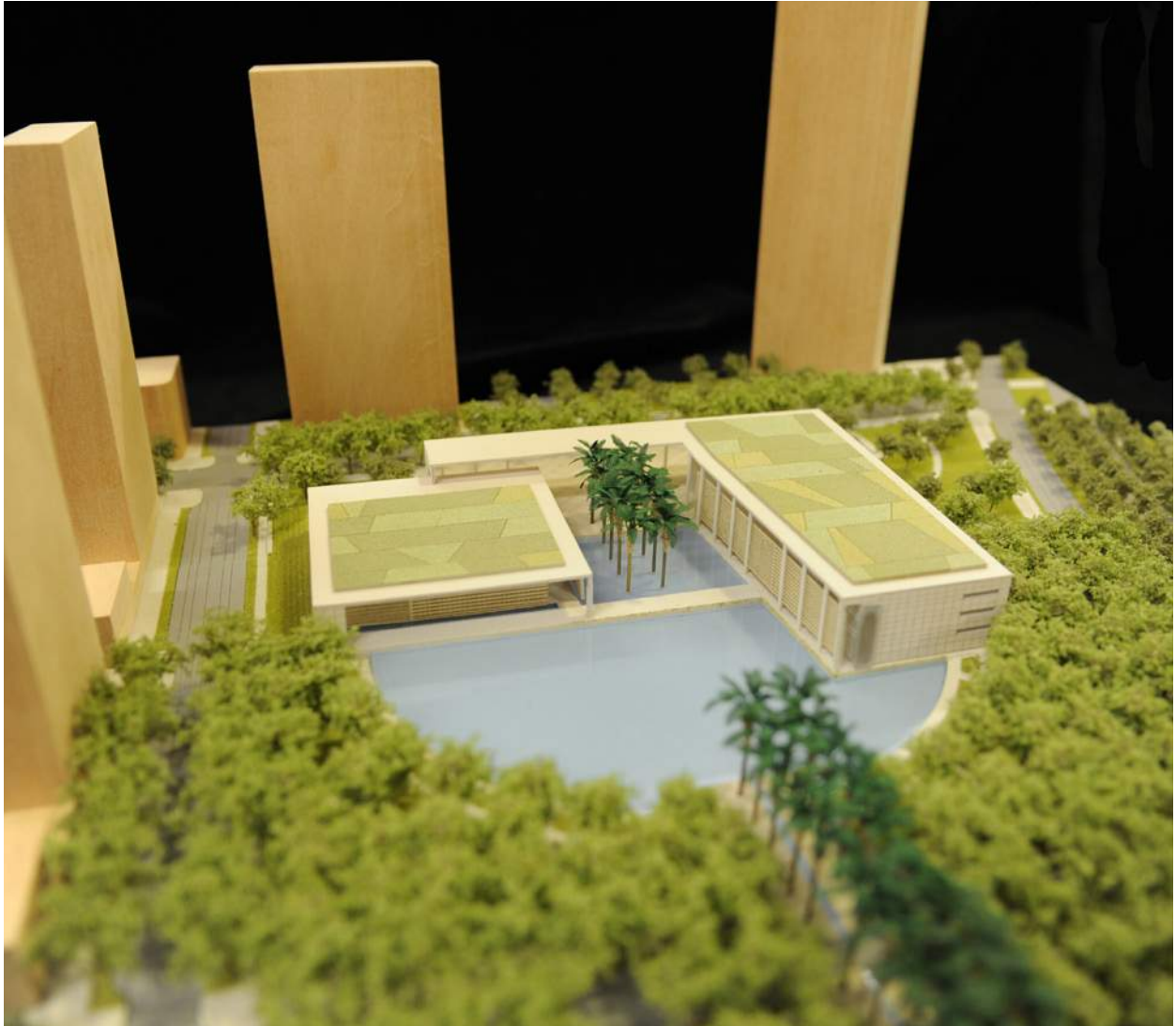


## OHSU SOUTH WATERFRONT

build time: 80 hours

materials: photo paper / mdf / acrylic

scale: 1"=80'  
date: march 2011



## XIANG AN CBD

build time: 80 hours

materials: foam / basswood / acrylic

scale: 1:750 metric

date: june 2011





## EXEMPLA

build time: 650 hours

materials: cherry / mdf / plex / foam

scale: 1"=30'

date: january 2012



## MOODY

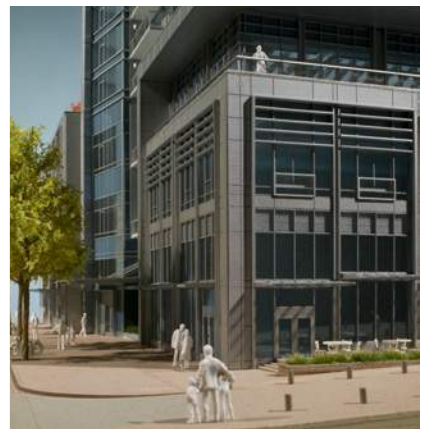
build time: 300 hours

materials: foam / acrylic / mdf / basswood / maple

scale: 1/10"

date: july 2012





## TOWER 5 SLC

build time: 500-700 hours

materials: mdf / acrylic / basswood

scale: 1/8"

date: july 2008



## U of O ACADEMIC CENTER

build time: 400 hours

materials: stainless steel screen / mdf / veneer / acrylic

scale: 1/8"

date: march 2008





## ORCHARD ST. APARTMENTS

build time: 240 hours

materials: white oak / cherry / walnut / acrylic

scale: 1/8"

date: march 2010



## PAM

build time: 450 hours

materials: 3d printed acrylic / foam / maple / acrylic

scale: 1/8"

date: june 2013





# ZGF

ZIMMER GUNSUL FRASCA ARCHITECTS LLP