Sam Fox School of Design and Visual Art **Washington University**
Visiting Profesor: Antonio Sanmartín
Other Advisors:.....(Structures/Building Sist)- .....(Fab Lab)
Teaching Assistants: *TbD*
Time/Location: M-W-F 13,30 to 17,30
Ref.: Degree Project W15(5-7-9Dic2016)

…architecture as/is transcription…

degree projects Fall 2016





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41.Good Luck!

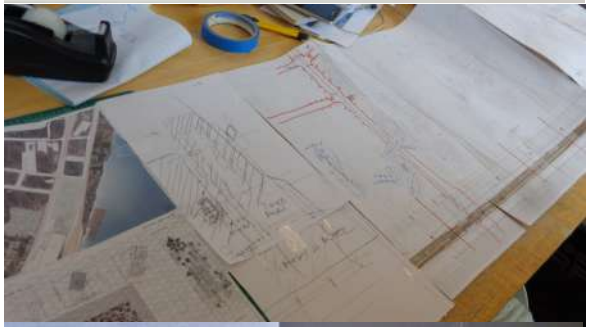
40.Please share your joy and smile for the findings, achievements, errors and other arrows.

39. Edition of Blue Notes + Final boards

All blue notes book used to accompany our crits, conversation and explanation will be left at the Library.
This one unit edition will include a copy in 8x11 of your Final review boards and the full DP Syllabus.
Please, make to copies/reductions 8x11 of your Final Boards. One for your Personal and Technical Dossier, the other for the "DP16BlueBOOKs" edition.

38. St Louis DP16 Puzzle

After every student review, please bring your 1-64 puzzle piece to office 209.
Once **all 9 piece puzzle is completed** (evening Dec13) CAVA will be served!.



37. Order of presentation:

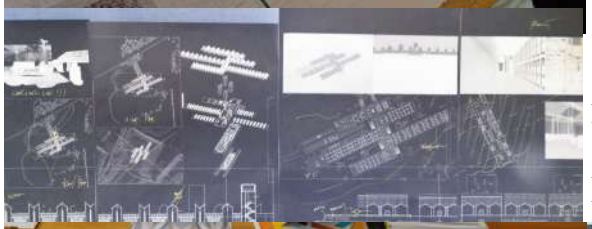
_Monday 12Dec2016: Christian Korta, Yu Wang, Toni Zhang, Doh Young Kim
_Tuesday 13Dec2016: Mian Wang, Marina Curac, Young-Ah Yung, Alex Melvin, Ylan Vo.
All students are to be present and attend during Final Reviews.

36. Final Review Critics:

Fantastic group of colleges, educators, architects, friends,

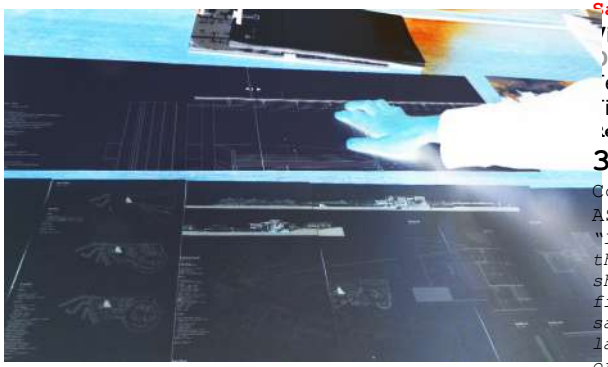
In house: Rod Barnett, Stephen Leet, Heather Woofter, Dongwoo Yim
Phil Holden, Bruce Lindsey, Jennifer Yoos
Elena Rocchi, Ian Ulmer, Jesse Vogler
Eric Hoffman, Linda Samuels

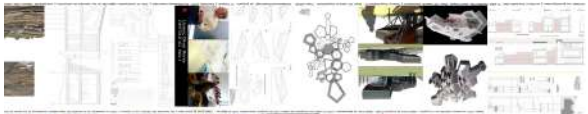
Visitors: Marlon Blackwell, Carlos Jimenez, Leslie Lok, Johanna Meyer-Grohbruegge
Neejraj Bhata, Claudio Vekstein

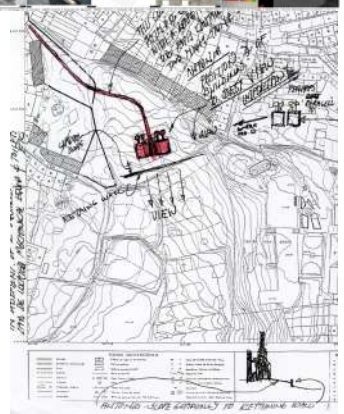


35.W15 tasks.

_Monday 5Dec2016. Desk crits. Will check Agenda and Production/printing Schedule.
ASG will fold all documents produced at 11x17 size. Will be in the final review together with the 8x11 Personal/Technical Dossier.
_Wednesday 7Dec2016. Rehearse of 5 min oral explanation.
_Friday 9Dec2016. ASG in Arizona State University Final Reviews.
_Sunday 11Dec2016. ASG will stop by studio for "Pens down" time.







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34. Italo Calvino dedicated a lecture series to Lightness, Quickness, Exactitude, Visibility, Multiplicity and Consistency given at Harvard in 1987 and collected in "Six Memos for the Next Millennium". A reading for ASG DP16 section final week: **"Exactitud"**. Here is a fragment(pg 91):

"Indeed my writing has always found itself facing two divergent roads that correspond to two kinds of knowledge: one that moves through mental spaces of disembodied rationality, in which lines can be drawn that connect points, projections, abstract shapes, vectors of force; another that moves in a space crowded with objects and seeks to create a verbal equivalent of that space by filling pages with words, in a meticulous effort to match the written to the not-written, to the sum of the sayable and the non-sayable. These are two distinct drives towards exactitude that will never reach absolute fulfillment: the first because of natural languages always say something more than the formalized languages -they always carry a certain amount of noise that alters the essence of the information; and the second because in trying to account for the density and the continuity of the world around us, language is exposed as lacunose, fragmentary: it always says something les than de sum of what can be experienced.
I constantly go back and forth between these two roads, and when I feel that I have fully explored the possibilities of one, I head over to the other and vice versa."

33. A reminder: Use **present tense** for all texts, specially in the **Chronicle/summary.**

32. Personal Dossier or 1-4 detail section or final animation are optional but very much necessary and expected to fully describe the research pursued in your DP.

31. Friday 2Dic2016. Delivery and pin-up of all boards layout including all info/images/drawings/plans/text/…This layout including final or still draft versions of all docs may be printed at 11x17 for discussion.

30. W14 tasks:

Back from THANKSGIVING and as planned W14 tasks include review/desk crits for :
_Complete Detail Sections and "counter-sections". A legend with all materials and systems is "amandatory"
_Model 1"-32' or 1"-16'
_Site model 1"-64
_Renders draft and animation (if intended).

29. W13.

Given the Thanksgiving Celebration, this week all personal desk crits. have to be on Monday 21Nov2016.
I would like to see you all.

Please sign up **any time from 10am to 18pm .**

Main issues to be discussed:
_Complete Detail Sections-Counter sections 1-4. Includes Construction/materials Legend and Key Plans
_Start Model 1-4 if intended.
_Check/Confirm production agenda from W13 to Final Review.
OTHER:
_Please keep all materials produced from W1. That includes all printed draft and annotated drawings folded at 11x17 or 8x11.

28. Thanksgiving Lunch Monday 21Nov2016. Here is the e-m Doh Young and Sunmi sent to all.

"Weather is getting chilly and hope all of you are staying warm and cozy. At church, during service, my wife told me she wanted to prepare lunch again for all of you, tomorrow, before Thanksgiving break. Sunmi is planning on preparing spaghetti with four different sauces so if you can respond to this email as soon as possible, it will help her speed up the preparation.
Also, if you cannot make it tomorrow, please let me know.
The four sauces are:
1. Tomato sauce with Chicken, zucchini, and mushroom.
2. White Cream sauce with bacon, broccoli, cream, and cheese.
3. Olive oil and Garlic sauce with Korean Bulgogi.
4. Olive Oil and Garlic sauce with shrimp and mussels and Italian pepper. (Mussels and pepper may or may not be included depending on the availability in our neighborhood markets)
If you can respond before 4pm, that will helpful, otherwise, we may not be able to accommodate to your preference.
Best,
Doh Young and Sunmi"

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27. Optional production:

This production is meant to complete/frame and help the description, definition and understanding of your proposal. I am encouraging you to do them but only if the required documents are guarantied. The joy of offering "something extra" conveys in a different way the aims and achievements of an exploration or a project. **But, only if your agenda and schedule** (and health and required and sufficient sleep) **allows for it**.

a. Personal and technical Dossier.
b. Model 1-4 fragment of building including structural entity to load with construction/materials/…
c. Animation 3 with 3-4 still renders.

26. Reminder List of required docs. for final review:

1. Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title
2. Sketches, diagrams, and narrative describing architectural intentions and strategies
3. Site plan, at appropriate scale
4. All floor plans, at 1/16"= 1'-0"
5. Three building sections, two of which are at 1/4"= 1'-0" showing materiality, structure, and environmental strategies.
6. Four elevations, at appropriate scale
7. Physical project model(s)
8. Drawings or computer models showing interior and exterior renderings. Minimum 4.

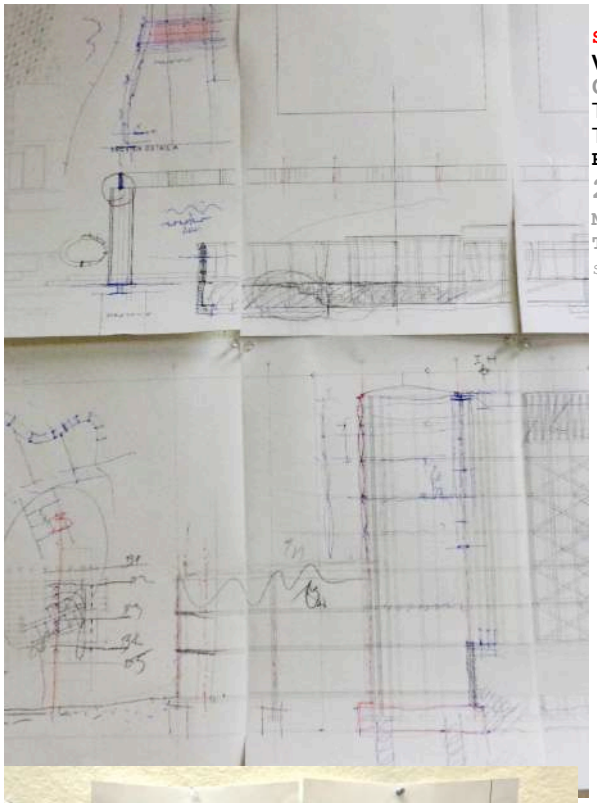
FINAL NOTES:
Following the final review prepare a CD and contact sheet according to Approach GUIDELINES INCLUDING both degree project proposal and final review requirements listed above. "appropriate scale": For all presentations the appropriate scale of various models and drawings will depend on the scale and complexity of the project. Generally speaking, simpler, smaller projects are expected to be presented at a larger scale with more detailed development. All drawing and model scales are to be as agreed in conference with your studio advisor. Floor plans & physical model at 1/16"= 1'-0" unless otherwise agreed. Building sections at 1/4"= 1'-0" unless otherwise agree.

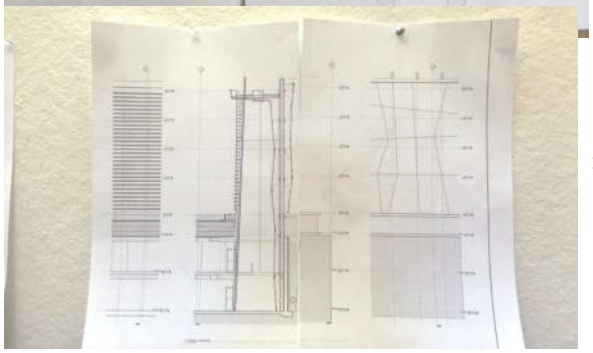
25. **Our agenda for the coming weeks**, after we talked Friday 11Nov is the following:

Tasks/items to discuss/advise per week:
W12: General Plans and Sections. Start Model 1-4 if intended
W13: Complete Detail Sections-Counter sections 1-4.
W14: Model 1-32. Site model. Renders. Animations if intended
W16: Final Reviews
Please organize a personal/realistic agenda. Let's confirm case by case if there is a task you think should be placed otherwise.

DESK crits will be **Wednesday and Friday**. Half of students will go on Wednesday and half of students on Friday.

24. W12 tasks: Physical Model 1"-4'





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23.W11 tasks: Technical Consultants Reviews.

Monday 7Nov2016: Finish Preparing all docs due for Consultant's reviews. Docs. in item 21 of syllabus are mandatory.
Tuesday-Wednesday-Thursday 8-9-10Nov2016: Technical Consultant's Reviews. Sign up a time for "Environmental"(ASG group slots in "pink") and for "Structures" (ASG group slots in "blue" in attached chart:


DPP16
TECHNICAL REVIEW
SECTIONS
AL ADRIAN LUCHINI
CA CHANDLER AHRENS
VG VALERIE GREER
EC ELENA CANOVAS
AS ANTONIO SANMARTIN
ENVIRONMENTAL
HONGEYN | MARK | MATT HERMAN
STRUCTURES
PHIL SHINN | YOSHIYUKI
TUESDAY 8TH
WEDNESDAY 9TH
THURSDAY 10TH

Friday 11Nov2016: Start of model 1"-4'

22. Images for PD Booklet. To be delivered to Amanda Bowles no later than Friday 4Nov2016.

21.W10 tasks: Docs for Technical Consultants

a_Personal and Technical Dossier
b_Site model (1"-64')
c_Geometry of the structure board +AXO
d_Plans and Sections (1"-32')
e_Model (1"-32')
f_6/9 3D images board
g_Description of Structure Entity and description of construction (1"-4')
h_Others/Xtras docs.

WK10 TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS

20.a. Thanks Doh and Sunmi for the corean lunch you offered to all us. Food for the mind was it!.

20. Structure description.

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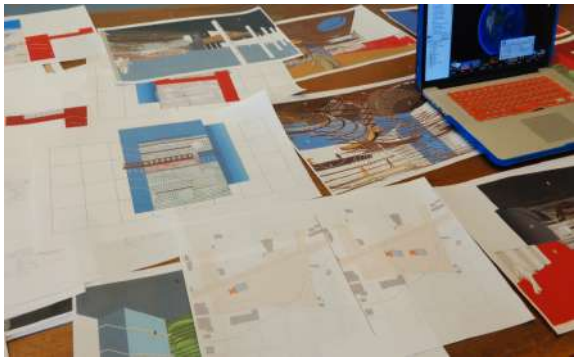
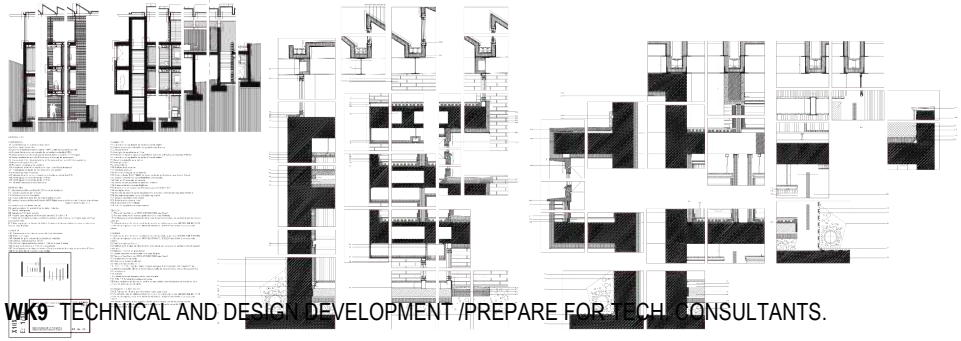
Complete Technical Dossier Description of two/three materials/systems per every "surface" shown at the 6/9 3D images board.

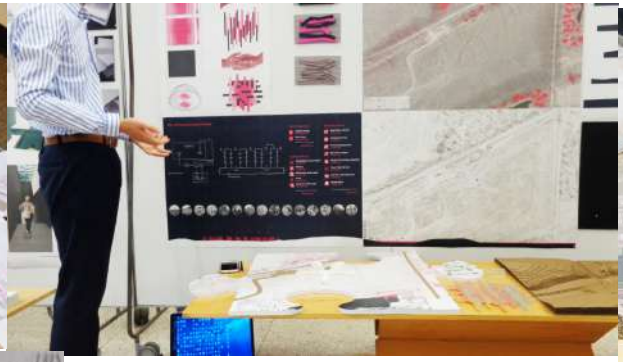
Selection and start darwing 1/4 scale Structural "Portion" to be loaded with all construction/mechanical/energy/…systems.

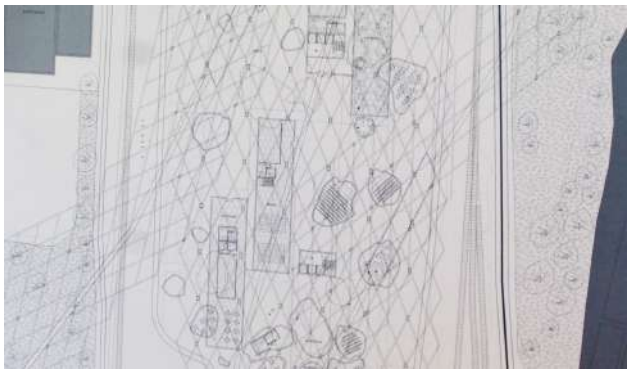
W09Talk: Other DP (BCN, UQ, UTA,…) Room 113.

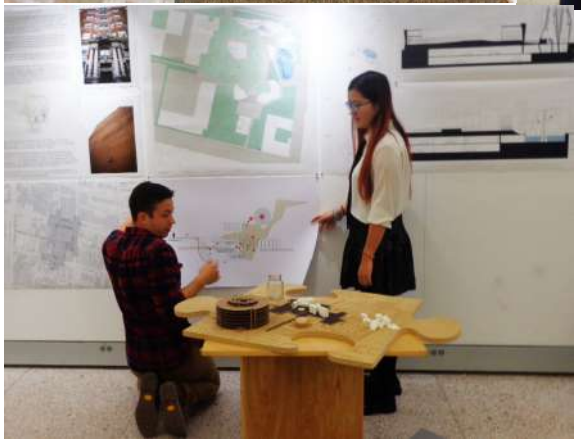




WK9 TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS.







19. Post Mid Review tasks (W8).

Complete/Revise all docs. due for Mid Review as agreed.

Structure description&AXO

Start Technical Dossier Description of two/three materials and construction systems for every inside and outside project "surface" shown at 3D model

Selection of Structural "Portion".

WK8

TECHNICAL AND DESIGN DEVELOPMENT

Research, propose, and develop environmental, envelope, structural, material research, synthesis, and development

TechnIcal Dossier: RESEARCH ON the properties, dimension, fabrication Parameters of CHOSEN technologies, materials, …

18. Pre-Mid review for Mian Wang.

Mian managed to collect materials due for the Mid Review a week before. Wishing her soonest recovery!!!

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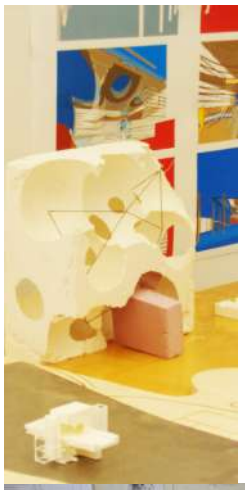
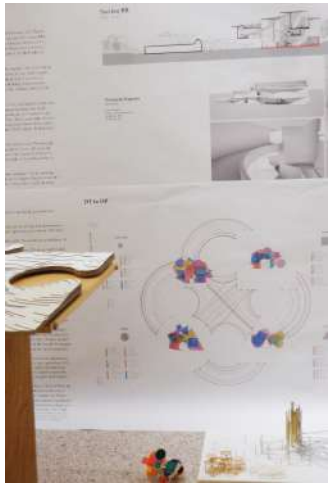
17. Mid Review Order of presentation





DPF16

WK7 MID REVIEW

SECTIONS

AL	ADRIAN LUCHINI
CA	CHANDLER AHRENS
EC	ELENA CANOVAS
VG	VALERIE GREER
AS	ANTONIO SANMARTIN

WEDNESDAY OCTOBER 12

GROUP 1: STEINBERG GALLERY GROUP 1
Guest reviewer: Kim/Woofter / Vogler

1	1.30	VG	Sierra Peters
2	1.50	AL	Hang Zhou
3	2.10	EC	Katheryn Haas
4	2.30	VG	Dara Smyth
5	2.50	AL	Yi Wang
6	3.10	EC	Samantha Saunders
7	3.30	VG	Nick Chilton
8	4.00	AL	Yiwei Li
9	4.20	EC	Garrett Vaughn
10	4.40	AL	Zhao Zhang
11	5.00	EC	Jay Swartz
12	5.20	AL	Rachel Walton
13	5.40	EC	Wanjiao Chen
14	6.00	VG	Rujun Huang

GROUP 2: STEINBERG GALLERY GROUP 2
Guest reviewer: Hofferlin/ Mc Carter

1	1.30	CA	Sherry Tan
2	1.50	AS	Christian Korta
3	2.10	CA	Maeve Elder
4	2.30	AS	Toni Zhang
5	2.50	CA	Ming He
6	3.10	AS	Yu Wang
7	3.30	CA	Jay Basset
8	4.00	AS	Alex Melvin
9	4.20	CA	Dianna Ossa-Sierra
10	4.40	VG	Nikki Elman
11	5.00	AS	Doh Young Kim
12	5.20	VG	Chaoyi Zeng
13	5.40	CA	Andrew Miller

DPF16

WK7 MID REVIEW

SECTIONS

AL	ADRIAN LUCHINI
CA	CHANDLER AHRENS
EC	ELENA CANOVAS
VG	VALERIE GREER
AS	ANTONIO SANMARTIN

FRIDAY OCTOBER 14TH

GROUP 1: GIVENS LOUNGE
Guest reviewer: Phil Holden/ E. Lopez

1	1.30	CA	Letao Zhang
2	1.50	EC	Jeehyun Choi
3	2.10	AL	Yuxiang Wang
4	2.30	CA	Qianru Jiao
5	2.50	EC	Elia Magari
6	3.10	AL	Yinan Zhou
7	3.30	CA	Li Gong
8	4.00	EC	Lin Li
9	4.20	CA	Zak Reichert
10	4.40	EC	Elisandra Garcia
11	5.00	CA	Yifan Liang
12	5.20	EC	Hannah Lim

GROUP 2: GIVENS 113-115
Guest Reviewer: Heather Woofter /M. Rivera

1	VG	Corey Stinson
2	AL	Yi Zhou
3	VG	Ali Ward
4	AL	Ke Jia
5	VG	Yuelin Yu
6	AS	Young-Ah Jung
7	VG	Chenming Zhang
8	AS	Marina Curac
9	VG	Yafeng Liu
10	AS	Ylan Vo
11	AL	Xiao han
12		

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16. Mid Review List of docs/item/deliverables/… (draft)

01/13. Personal 8x11 dossier. Includes all docs produced (plans, imags. of models, sketches, writings,…)
02/13. Chronicle V1 (8x11 printed at 24x36)
03/13. Geometry of structure. Plans and AXO (24x36)
04/13. Plans and sections. e1/16 24x36)
05/13. Model e1/32 or e1/16.
06/13. Program description (conditions/sqf/….)
07/13. All Draft models dated
08/13. 3D printed model and on site "puzzle + "olive oil" stain of urban perimeter of intellectual extension of the proposal cut-out in a specific to the project material (cardboard, basswood, leather, rubber, …). Is a new Puzzle Base with photomap/topography/site variables/….Select a specific to the project material for the base.
09/13. Animation 1 (To be watched on your own laptop)
10/13. Site description Plan: Generic variable + Personal variable (24x36)
11/13. Site images (24x36)
12/13. From DT to DP drawing (24x36)
13/13. DT book.
00/00. Doc. From self defined tasks in W5
All docs dated/labeled

WK7 OCT 12/14 DESIGN REVIEW
PROJECT DESIGN PRESENTATION REQUIREMENTS
Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title.
DELIVERABLES:
Sketches, diagrams, and narrative describing architectural intentions and strategies
Site plan to appropriate scale, including the context.
All floor plans and Sections at 1/16"= 1'-0"
Two elevations at appropriate scale.
Physical project model: approx. 3' length (scale to be determined with Instructor)
Drawings or computer renderings of interior and exterior. Minimum 4.

15. W6 tasks:

a. Geometry of the structure. Describes the structural hierarchy, perimeter of supported and supporting elements, perimeter of spaces and holes, axis of primary, secondary, tertiary structures. Description of all structural geometry plans from foundations to roof is required. Not dimensioning. Description of "yet to be solved" architectural/structural elements/parts/components… Once **all this plans** are drawn, organize them as an **AXO**. Scale 1/32 or 1/16.
b. Mid Review Docs/items/deliverables. See Item 16.

WK6
PROJECT DESIGN
Research, propose, and develop spatial, organizational, material, structural, and envelope ideas in models and drawings
PRELIMINARY STRUCTURAL DIAGRAM SHOWN AS AN AXONOMETRIC MODEL.

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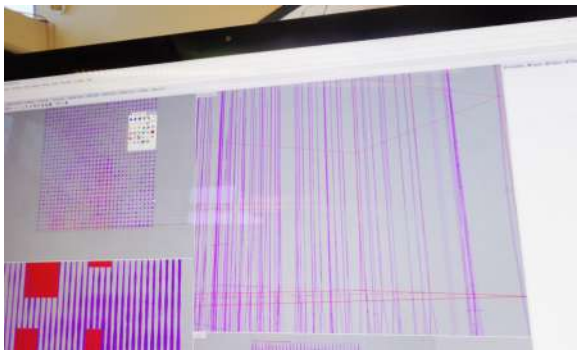
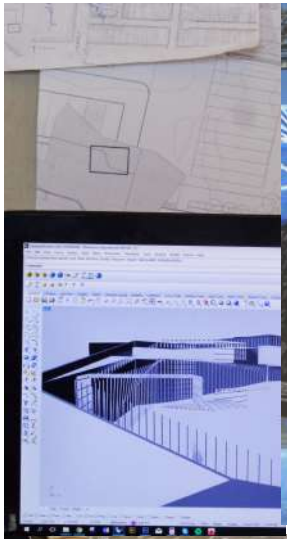
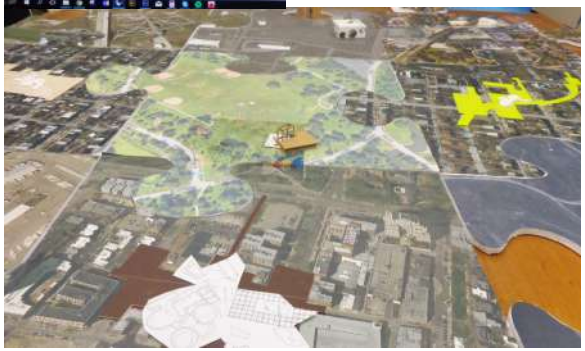
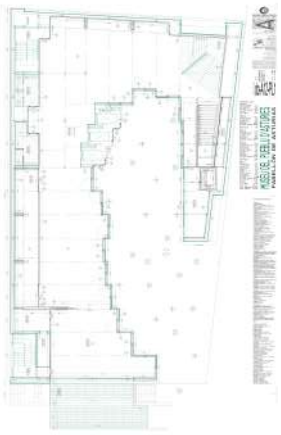


14. W5 tasks:

a_Plans and sections at 1/16 scale. Program/space/geometry/site Transcriptions. ("Mezclador" V1)
b_Self-defined task for W5.
MarinaW5:
Make spatial explorations through models as you are drawing plans and sections. Make models inform drawings and vice versa. Do both at the same time. Solve siting. Think presentation. Record everything. By Friday you should have a set of 2-3 plans and 5-6 sections, including the context. Drawings followed by a set of their spatial interpretations.
Young-AhW5:
1. Industrial material interpretation
-site plan (mapping) including 10 parameters (1/64) and mapping with 3 materials 1 scale drawing, and 1 material 3 scales drawings
-conceptual modeling (1/64) applied by the program, and then more detailed 3d printing.
2. Required equipment_3d model & 2d drawing
-Fab lab: 7 axis Kuka robot
-CNC: knitting machine, routers, mill, & water jet cutter etc
-Wood & metal shop: http://www.baileigh.com/woodworking http://www.baileigh.com/metalworking
-3d printers
-Laser cutters
3. Program development
-Occupancy & Number of occupants
-Program relationship diagram
-Creative working space for designers
-Industrial design library with open auditorium
-Diverse Fab lab including public exhibition space, seminar rooms etc
-Public plaza leading to the existing park, the flood wall (graffiti wall), and the Mississippi river side
4. Final works
-Updated site plan (1/64)
-Floor plans & Sections (1/16)
*Sections include site sections
-Updated video animation_v2
-Detailed physical modeling_3d printing etc
5. Graffiti wall pictures for elevation
-Planning to visit the site to get the pictures of the graffiti wall on Oct 6th (Thursday).
-Will use some pictures I took before or from google and then will change after I get the whole pictures.
AlexW5:
- explore, in 1/64th scale modeling, the physical relationships between (above/below, next to, both, etc) monastery/prison/shared program.
- a more precise exploration of program within the discovered relationships above through plan and section (multiple versions/options) to reveal the best suited option.
- I will also continue to work on the site plan (it has not been touched in a week) to add more precision to the site
- information to assist into understanding the site through the site plan - topo, the river, pedestrian access, views out (ex, the training tower of the police academy over the trees to the west, or the electrical towers in the distance to the north) I also want to find a way to communicate how quiet the site is during the day (granted, I went on a weekend, but it was very powerful how silent the site is.
YuW5:
Monday-3D model finished-2 floor plans with site plan-2 sections with site section-programs decided
Wednesday-revised plans and sections-Site model-Documentation







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Friday-revised site plan-research diagram documentation-"final" plans and sections (for Friday group review) For me, I think I still need to find the link between my dt concept to dp, the energy between greenhouse and the datacenter is key to this project. And I still need to make the logic strong.

YlanW5:
This week should deal with the component of the "site operation," and includes a physical model of just the modified site and perhaps a few specific ways that the architecture touches the site.
Elements of the site operation may include: cut/fill of the archeological site, extents and circulation through the exterior landscape, and interventions to existing site features including the forest, waterfront edge, abandoned bridge, and visitor center.

MianW5:
Explore how exactly circular geometries could spin to work together with classrooms/offices, for example, structure of how to support the circular pan. Model or section will be the best way to pursue this.

ChristianW5:
Create a 1/16" Section Model that shows the spatial relationship between the 3 separate rock walls, and the ground plane.

DohW5:
1. Plan of Building - 1/16 scale
   a. Individual Additions for each program (Whistle Stop, Market, City Hall)
   b. Drawing that shows the history movement for the three programs. (i.e., library used to be in the city hall. additional library was constructed decades later. library was finally moved to the building on florissant ave.) This drawing will compliment my design proposal which is rooted from programmatic sequencing of the four programs.
2. Three Site Sections (1/16 scale) which will include my design and the following buildings:
   a. City Hall
   b. Market (Completed)
   c. Whistle Stop
3. Update Site Plan (1/64 scale)
   a. Add plan details for Victorian Plaza (adjacent to Market)
   b. Add plan drawing of Caboose on my site
   c. Add two additional section drawing lines
4. 3D Print of updated design plan/model

ToniW5:
For Friday 09.30, I will have a 3d model of program layout, as well as a series of diagrams showing the process of how programs have been developed. Diagrams should be narrative and enough to convey the logic of design. Based on then 3d model and feedbacks from desk crits, I will then draw plans (for each main level) and sections (long and short) in 1/16 (CAD drafting). A 3d site model with topography and other conditions should be developed simultaneously so that the sections can include site context too. Drawings should then have more than one version. Keep copy of each version and organized them in order. Study models in 1/16 are made, depends on versions of drawings. Keep working on documentation (dossier). For mid-term review, plans, sections , diagram and a model (3d rough rendering or handcraft) are critical.

c_Fully finished and completion of all docs./items/tasks of all previous weeks. Name/date/lable/ leaving them readyfor the Mid Review.
d_Fullsit of items for Mid Review.

WK5
CONCEPTUAL DEVELOPMENT
Continue to develop the conceptual design basis of your project.
INITIATE Program Analysis-DEVELOP RPOGRAMMATIC DIAGRAMS
Diagrammatic analysis – BEGIN plan(S) & section(S) to appropriate scale
Area & space requirements, adjacency requirements

13. Fiday 23Sep2016 Session:
_3D print model at 1/64 scale + "olive oil" stain of urban perimeter of intellectual extension of the proposal

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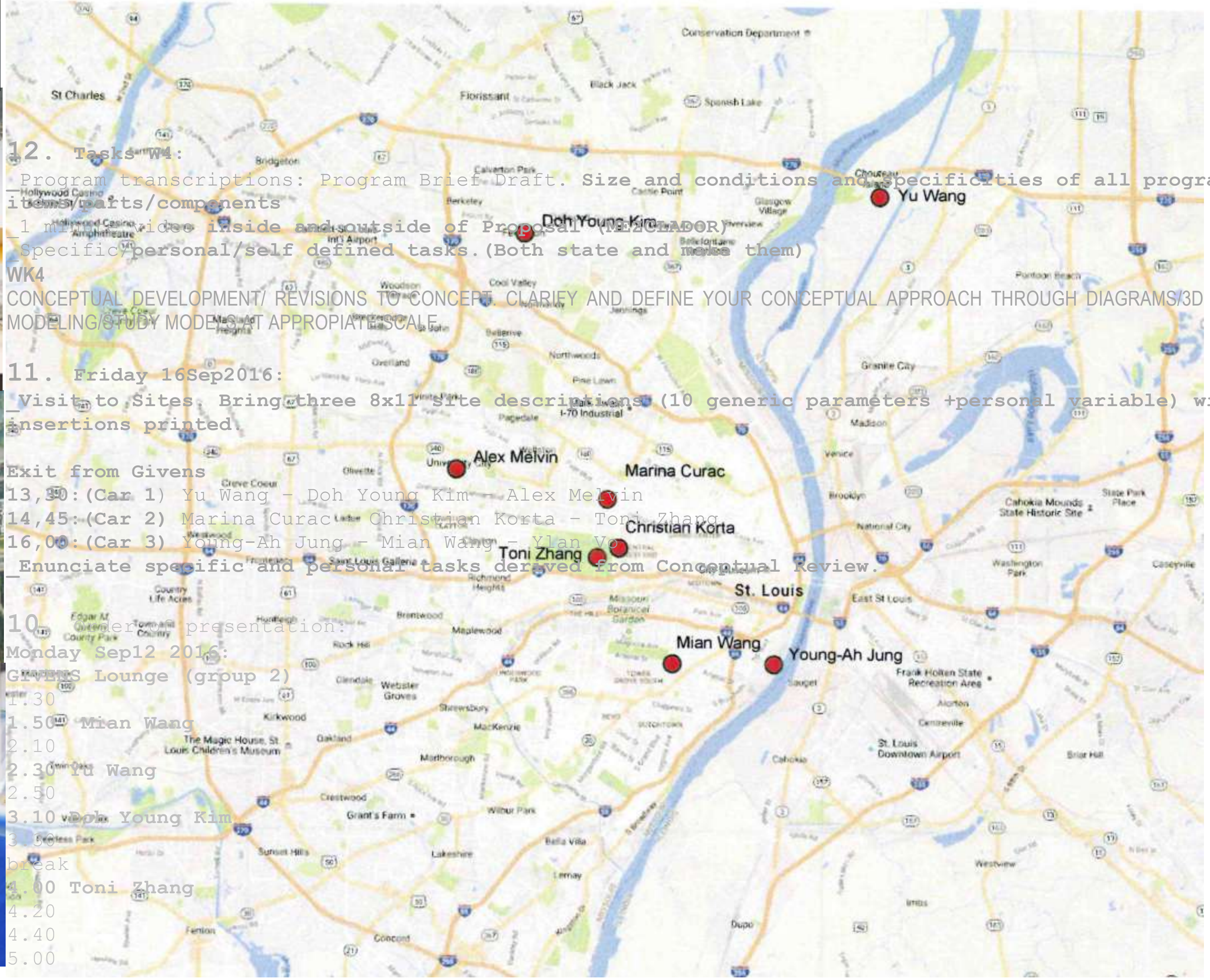
cutout in a specific to the project material (cardboard, basswood, leather, rubber, …). Both to be sited at/over every student StLouis piece puzzle.
_**Contact page** with 12 images/screen shots of video.
_**Program spreadsheet.**
_**Personal Dossier** (8 1/2 X 11): Includes all docs bound with a binding pin ordered from from the most recent to oldest. All docs labeled (name/date/…)
_Desk crits.
_Lecture at the end of the session: **d'A, a museum by aSZ.**



12. Tasks W4:

_Program transcriptions: Program Brief Draft. **Size and conditions and specificities of all program items/parts/components**
_1 minute video **inside and outside of Proposal (MEZCLADOR)**
_Specific **personal/self defined tasks.(Both state and make them)**
WK4
CONCEPTUAL DEVELOPMENT/ REVISIONS TO CONCEPT. CLARIFY AND DEFINE YOUR CONCEPTUAL APPROACH THROUGH DIAGRAMS/3D MODELING/STUDY MODELS AT APPROPIATE SCALE

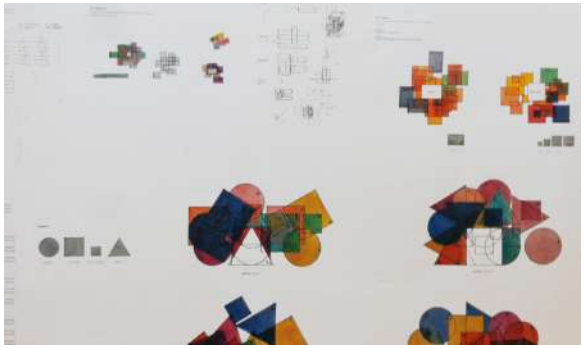
11. Friday 16Sep2016:

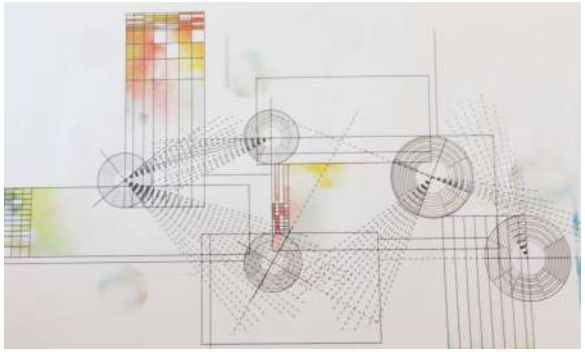
_Visit to Sites. Bring three 8x11 site descriptions (10 generic parameters +personal variable) with insertions printed.

Exit from Givens
13,30:(Car 1) Yu Wang – Doh Young Kim – Alex Melvin
14,45:(Car 2) Marina Curac Christian Korta – Toni Zhang
16,00:(Car 3) Young-Ah Jung – Mian Wang – Ylan Vo
_Enunciate specific and personal tasks derived from Conceptual Review.

10. Order of presentation:

Monday Sep12 2016:
GIVENS Lounge (group 2)
1.30
1.50 Mian Wang
2.10
2.30 Yu Wang
2.50
3.10 Doh Young Kim
3.30
break
4.00 Toni Zhang
4.20
4.40
5.00





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5.20 Chritian Korta

5.40

Wednesday Sep14 2016:

GIVENS 113-115 (group 2)

1.30

1.50 Marina Curac

2.10

2.30 Alex Melvin

2.50

3.10 Young-Ah Jung

3.30

break

4.00

4.20

4.40 Ylan Vo

5.00

5.20

5.40

09. Deliverables **W3 CONCEPTUAL Review.**

All labeled: #of document-name of document-date-student-CONCEPTUALReviewW3

0_Other Personal Specific ITEMS/docs/…

1_Insertions on Site. 2/3 attempts at different scales printed in transparent 24x36 to be placed over the site puzzle personal portion (e1/64)

2_Plan(s) and **section(s)** of conceptual model (24x36)

3_Conceptual models (all V3, V2, V1)

4_Conceptual Drawings (all V3, V2, V1): "from DT to DP" (24x36)

5_Site description with "personal variable"

6_Site Description with Generic Variable

7_DT book

Present the conceptual design potential, your basis of design exploration, and your OBJECTIVES for the project. Present SUDY models, site and conceptual design in model form (PHYSICAL AND/OR 3D) SHOWING conceptual and strategic design BASIS. SITE ANALYSIS : MAIN VEHICULAR /PEDESTRIAN ACCESS, TENTATIVE BLDG LOCATION, PKG AREA (IF NECESSARY) basic site information, site plan, site sections, contours, VEGETATION (IF APPLICABLE) building MASSING; land-use drawing; vehicular & pedestrian paths; climatic analysis

CONCEPTUAL MOTIVATION AND PROPOSITIONS : Drawings, STUDY MODELS,

Identify the conceptual design potential, your basis of design exploration, and your project GENERAL CONCEPTUAL PARAMETERS

08. Tasks for Friday 9Sep2016:

f_Site insertions. **Three scales** of drawing from model of Version 2 of drawing "from DT to DP". Consider also other options.

Drawing includes dwg of site generic description (10 generic parameters) and site description with one personal variable.

07. Tasks for W02: **Transcriptions 2.**

e_Model from Version 2 of Drawing "from DT to DP" (same scale as drawing)

d_Version 2 of Drawing "from DT to DP" (24x36)

c_DWG description of SITE (10 generic parameters, 24x36)

b_DWG description of SITE with 1 "personal variable"

a_"Group" model puzzle cutouts with printed site photomap.

06. Student List.

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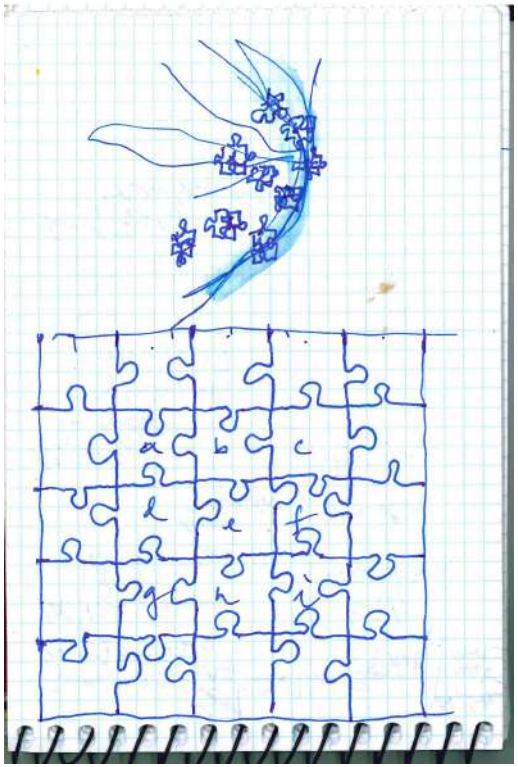
	Phone Number	Name	e-m	W 1	W2	W3	W4	W5	W6	W7 MidR	W8	W9	W10	W11	W12	W13 FinalR	W14	X X
1	904 716 5288	ALEX MELVIN	alexmelvin@wustle.edu	1	1	1	1	-	1	1	1	1	1	-	1			
2	618 972 8839	CHRISTIAN KORTA	ckorta@wustle.edu	1	-	1	1	1	-	1		1	1	-	1			
3	314 255 3771	YLAN VO	ylanvo@wustle.edu	1	1	-	1	1	1	1	-	-	1	1	1			
4	314 601 5684	MARINA CURAC	m.curac@wustle.edu	1	1	1	1	1	1	1	-	1	1	1	-			
5	614 961 2289	MIAN WANG	mwang4@wustle.edu	1	1	1	1	1	-	1	-	1	1	1	-			
6	314 278 6553	TONI (TONG) ZHANG	zhangtong@wustl.edu	1	1	1	1	-	1	1	1	1	-	-	1			
7	314 288 9266	YU WANG	yu.wang600@wustl.edu	1	1	-	1	-	-	1		1	1	-				
8	314 399 5926	DOH YOUNG KIM	dohyoungkim@wustl.edu.	1	1	1	-	1	1	1	1	1	1	1	1			
9	904 742 8382	YOUNG-AH JUNG	young-ah.jung@wustl.edu	1	1	1	-	1	1	1	-	1	1	1	1			
10																		

05. Refs.

Kalach, Vasconcelos Library
Antoine Predock, UNM School of Architecture
OMA, Milstein Hall at Cornell
OMA, Agarir Convention Center
Mies Van der Rohe, IIT Architecture (S.R. Crown Hall)
ROTO Architects, Architecture & Art Building Prairie View
Marlon Blackwell, Steven L Anderson Design Center
John Andrews, Gund Hall
OMA, Center for Art and Media (Karlsruhe)
Peter Eisenman, Wexner Center, Ohio State University
NADAAA, Faculty of Architecure, Melbourne
M. Dennis, Campus A&M Master Plan
EMBT, Faculta d'Architetura Venezia
FLIW, Taliesin
Several Archts, Progetto Bicocca, Milan
aSZ arquitectes, Escuela de Conservacion y Restauracion BIC, Huesca



04. Tasks for W01: **Transcriptions 1.**

_Task A: From DT to DP. A precise and specific document drawing/model derived from the DT Book proposed by every student.

_"Group" site model, a ST Louis puzzle. (24x36)

W01Talk. Presentation for Studio Options

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03. When/How

(An instant that last a Fall: 13W Tasks, no REWORKING)

SCHEDULE OVERVIEW

		Mon	Wed	Fri	
W1	Aug	29	31	2	
W2	Sept	5	7	9	
W3		**12**	**14**	16	**CONCEPTUAL REVIEWS**
W4		19	21	23	
W5		26	28	30	
W6	Oct	3	5	7	
W7		10	**12**	**14**	**DESIGN REVIEWS**
W8		**17**	19	21	**FALL BREAK**
W9		24	26	28	
W10	Nov	31	2	4	ENVIRONMENTAL CONSULTANTS (OPTION)
W11		7	9	11	TECHNICAL CONSULTANTS (DATES TBD)
W12		14	16	18	
W13		21	**23**	**25**	**THANKSGIVING WEEK**
W14		28	30	2	
W15	Des	5	7	9	
W16		**12**			**FINAL REVIEWS WEEK**

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ASG DP-group Calendar

Ag	**M**	T	**W**	Th	**F**	
	29	30	**31**	1	**2 (W01)**	Studio Presentation/Group Model Options/… Task A: From DT to DP. A precise and specific document drawing/model derived from the DT Book proposed by every student. "Group" site model, a ST Louis puzzle. (24x36) W01Talk. "A second that lasts 13 weeks". DESIGN THINKING SUMMARY Summarize your design thinking research, site plan and diagrams, detailed program requirements, and project title. CONCEPTUAL MOTIVATION AND PROPOSITIONS I dentify the conceptual design potential, your basis of design exploration, and your project ambition.
Sep						
	5		**7**	8	**9 (W02)**	Task B. Transcriptions of Task A SepSite Description: Generic Variables, Historical maps, Personal Variables Insertions (several scales) of Task B. W02Talk ……..? CONCEPTUAL MOTIVATION AND PROPOSITIONS: Drawings, STUDY MoDELS, Identify the conceptual design potential, your basis of design exploration, and your project GENERAL CONCEPTUAL PARAMETERS
	12		**14**		**16(W03)**	**CONCEPTUAL REVIEWS** Transcriptions "Group Models" Site description Insertions **VISITS to Sites** Present the conceptual design potential, your basis of design exploration, and your OBJECTIVES for the project. Present SUDY models, site and conceptual design in model form (PHYSICAL AND/OR 3D) SHOWING conceptual and strategic design BASIS. SITE ANALYSIS : MAIN VEHICULAR /PEDESTRIAN ACCESS, TENTATIVE BLDG LOCATION, PKG AREA (IF NECESSARY) basic site information, site plan, site sections, contours, VEGETATION (IF APPLICABLE) building MASSING; land-use drawing; vehicular & pedestrian paths; climatic analysis
	19		**19**		**21(W04)**	**"Mezclador-DP V1"** Addition of……..: Plans & sections V1(dinA1) Physical & Digital Models. **Site** W04Talk ……..? CONCEPTUAL DEVELOPMENT/ REVISIONS TO CONCEPT. CLARIFY AND DEFINE YOUR CONCEPTUAL APPROACH THROUGH DIAGRAMS/3D MODELING/STUDY MODELS AT APPROPIATE SCALE

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	26	28	30(W05)	**Task: Program** Task: Animation 1 Geometry of Structure W05Talk .....? CONCEPTUAL DEVELOPMENT Continue to develop the conceptual design basis of your project. INITIATE Program Analysis-DEVELOP RPOGRAMMATIC DIAGRAMS Diagrammatic analysis – BEGIN plan(S) & section(S) to appropriate Scale Area & space requirements, adjacency requirements PROCESS
Oct.	3	5	7 (W06)	**Intermediate Review of all previous Tasks** **Task : Personal Dossier Draft.** W06Talk .....? PROJECT DESIGN Research, propose, and develop spatial, organizational, material, structural, and envelope ideas in models and drawings PRELIMINARY STRUCTURAL DIAGRAM SHOWN AS AN AXONOMETRIC MODEL.
	10	12	14 (W07)	**DESIGN REVIEWS** **Plans and Sections V1 1/16** (22x17) W07Talk .....? PROJECT DESIGN PRESENTATION REQUIREMENTS Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title. DELIVERABLES: Sketches, diagrams, and narrative describing architectural intentions and strategies Site plan to appropriate scale, including the context. All floor plans and Sections at 1/16"= 1'-0" Two elevations at appropriate scale. Physical project model: approx. 3' length (scale to be determined with Instructor) Drawings or computer renderings of interior and exterior. Minimum 4.

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	17	19	21	(W08)	**FALL BREAK** **Complete/Revise all docs. due for Mid Review** Structure description. Start Technical Dossier Description of two/three materials and construction systems for every inside and outside project "surface" shown at 3D model Selection of Structural "Portion". W08Talk. Other DP (BCN, UQ, UTA,…) **WK8** TECHNICAL AND DESIGN DEVELOPMENT Research, propose, and develop environmental, envelope, structural, material research, synthesis, and development TechnIcal Dossier: RESEARCH ON the properties, dimension, fabrication Parameters of CHOSEN technologies, materials, …
	24	26	28	(W09)	Structure description. Selection of Structural "Portion" to be loaded with all construction/mechanical/energy/….systems **WK9** TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS.
Nov	31	2	4	(W10)	Docs for Technical Consultants _Personal and Technical Dossier _1/64 model _Geometry of the structure board _Plans and Sections 1/32 _1/32 Model _6/9 3D images board _Description of Structure Entity and description of construction 1"-4' scale **WK10** TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS.
	7	9	11	(W11)	Plans and section including Structural/construction/mechanical/… ANIMATION 2 or 3 **WK11** **NOV 8/9 TECHNICAL CONSULTANTS** (DATES TBC) Meet with professional technical consultants. Dates may vary depending on consultant schedules. REQUIRED: STRUCTURAL DIAGRAM SHOWN IN PLAN AND SECTIONS/ Draw a section of your project @1/4"=1'0", CHOOSE A SECTION OF YOUR BUILDING SHOWING MAXIMUM COMPLEXITY, INCLUDING ROOF, WALL, INTERIOR SPACE, GROUND. plans at the discretion of each instructor. PLANS MUST SHOW VERTICAL STRUCTURAL ELEMENTS (SUCH AS COLUMNS, BEARING WALLS, ETC) AND PRIMARY HORIZONTAL MEMBERS (SUCH AS BEAMS/TRUSSES/ ETC DRAWN WITH DASHED LINES)).

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TECHNICAL DESIGN PRESENTATION REQUIREMENTS:
Present your development of materiality, structure, and environmental systems PHYSICAL MODEL OF STRUCTURE ADVISABLE.

	14	16	18	**(W12)**	Detail seccions and "countersections". Legend/Specs Scale 1/4 List of all docs for Final Review **WK12** TECHNICAL DRAWING DEVELOPMENT AND FINAL PRESENTATION LAYOUT
	21	23	25	**(W13)**	Detail Section and counter sections Model Scale 1/4 **WK13** PROJECT DEVELOPMENT
Dic	28	39	2	**(W14)**	 **WK14** PROJECT DEVELOPMENT
	5	7	9	**(W15)**	Animation 2/3 (Includes 3/4 still images) Chronicle **WK15** PROJECT DEVELOPMENT/PRESENTATION PREPARATION
	12	14	16	**(W16)**	Site plan Site model Personal and Technical Dossier

WK16 DEC 12/13 **FINAL REVIEW**

FINAL REVIEW PRESENTATION REQUIREMENTS

1. Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title
2. Sketches, diagrams, and narrative describing architectural intentions and strategies
3. Site plan, at appropriate scale
4. All floor plans, at 1/16"= 1'-0"
5. Three building sections, two of which are at 1/4"= 1'-0" showing materiality, structure, and environmental strategies.
6. Four elevations, at appropriate scale
7. Physical project model(s)

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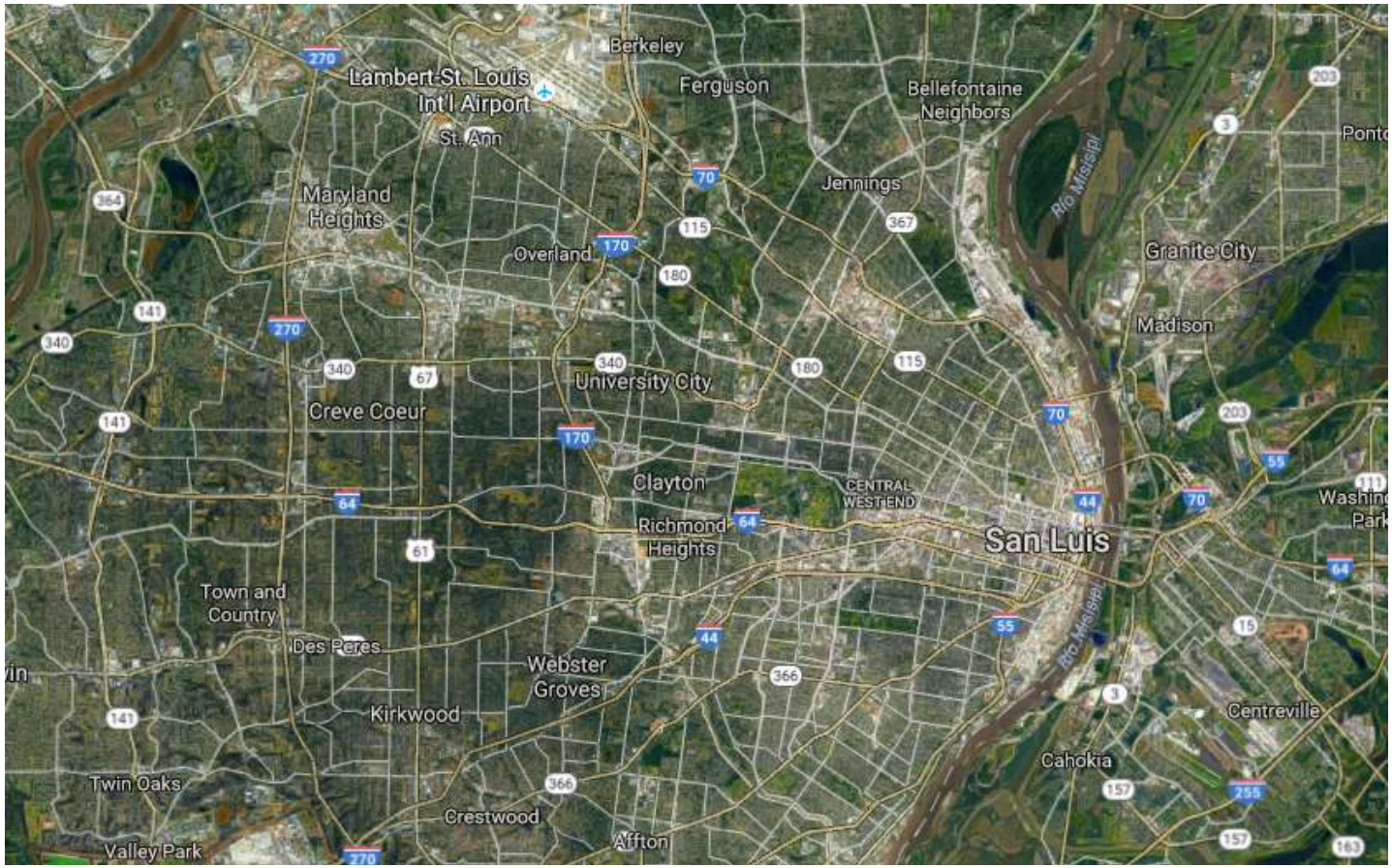
8. Drawings or computer models showing interior and exterior renderings. Minimum 4.

FINAL NOTES:

Following the final review prepare a CD and contact sheet according to Approach GUIDELINES INCLUDING both degree project proposal and final review requirements listed above. "appropriate scale": For all presentations the appropriate scale of various models and drawings will depend on the scale and complexity of the project. Generally speaking, simpler, smaller projects are expected to be presented at a larger scale with more detailed development. All drawing and model scales are to be as agreed in conference with your studio advisor. Floor plans & physical model at 1/16"= 1'-0" unless otherwise agreed. Building sections at 1/4"= 1'-0" unless otherwise agree.

2. Where.



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1.Course Description

DPF16

DEGREE PROJECT STUDIO

WASHINGTON UNIVERSITY IN ST. LOUIS
SAM FOX SCHOOL OF DESIGN AND VISUAL ARTS
GRADUATE SCHOOL OF ARCHITECTURE & URBAN DESIGN
Chandler ahrens, ELENA CANOVAS, VALERIE GREER, ANTONIO SANMARTIN
ADRIAN LUCHINI- Coordinator

THE PROCESS OF DESIGN IS A COMPLEX PROCEDURE. FACT-DRIVEN AND SUBJECTIVE, OPEN AND GENERAL AND FOCUSED AND SPECIFIC, IT INVOLVES A PECULIAR COMBINATION OF CONCENTRATION, DISCIPLINE AND CREATIVITY. WHILE IT IS IN MANY CASES INTERACTIVE, THIS PROCESS AND ITS APPLICATION –OR PRACTICE- INEVITABLY REQUIRES THE CONSTANT PRESENCE OF THE ARCHITECT WITH A CLEAR VISION TO GUIDE IT THROUGH. WITHOUT THIS, THE ACT OF DESIGN CAN BE SEVERELY THREATENED.
EVEN THOUGH IT IS TRUE THAT ALL OF YOU HAVE WORKED IN THIS PROCEDURE, DURING DEGREE PROJECT WE INTEND TO TAKE IT FURTHER. THE REASONS ARE SEVERAL. SUFFICE IT TO SAY THAT TAKING OWNERSHIP OF YOUR PROJECT FROM ITS GENESIS IN DESIGN THINKING UNTIL NO WILL MOST CERTAINLY PROVE TO BE AN EXCITING TEST OF YOUR DESIGN ABILITIES. FURTHERMORE, DEVELOPING THE PROJECTS TO A HIGHER RESOLUTION WHERE STRUCTURE, ENCLOSURE, MECHANICAL SYSTEMS, ETC. ARE CONSIDERED IN THE PROCESS OF DESIGN WILL EXPOSE THE CRITICAL, FUNDAMENTAL RELATIONSHIP THERE IS BETWEEN AN INITIAL IDEA AND ITS TRANSFORMATION TO BECOME A BUILDING.
IN THIS LAST SEMESTER OF EDUCATION, YOU HAVE THE OPPORTUNITY TO EXPRESS YOUR OWN AMBITIONS, UNFOLD YOUR METHOD OF DESIGN EXPLORATION AND DEVELOP AN EXPERIENTIAL AND TECTONIC BASIS FOR MANIFESTING YOUR INTENTIONS—TO CREATE NOT SIMPLY AN ADVANCED WORK OF ARCHITECTURE BUT AN EMOTIONAL AND INTELLECTUAL SPACE IN WHICH TO WORK AS AN ARCHITECT.
WE BELIEVE THAT THIS SEMESTER WILL BE A CLOSE SIMULACRUM OF THE ACTUAL PROCESS OF DESIGN IN THE WORLD OF PRACTICE.

DEGREE PROJECT STUDIO
COURSE DESCRIPTION
Your work in this studio is based on the product of the preceding Design Thinking degree project preparation course– an individually initiated programmatic, intentional, and situational project outline.
You will develop an independent critical position on the making of architecture in the world, advance an aspiring conceptual design, and elaborate and synthesize all aspects of the project – formal, spatial, experiential, organizational, structural, and technical – and finally create a clear, full, and persuasive presentation focused on telling a critical project story. Projects will include the development of program spaces and relationships, development of structural and environmental systems, building envelope systems, life-safety issues, sustainability strategies, and technical construction sections and assemblies.
PROJECT DESCRIPTION
As determined, described, and approved in Design Thinking.
COURSE GOALS
In addition to the goals listed in the Course Description, each student is to aspire to a high level of critical thinking, developing a project that is exploratory, projective, or unexpected in some important way in the realm of architecture beyond the exigencies of the project outline. A student's ability to work independently is encouraged and tested.
STUDIO POLICY

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Teaching Assistants: *TbD*
Time/Location: M-W-F 13,30 to 17,30
Ref.: Degree Project W15(5-7-9Dic2016)
Full attendance during studio sessions is mandatory.

Degree project work is to be done *primarily in studio.*
Students must be the sole authors of their work from concept through production.

All requirements noted in the DP outline are expected at all stages of the design process.
Grading will be determined by the level of quality exhibited throughout all phases of the comprehensive design exercise.
All digital work is to printed for all desk crits and presentations. at a minimum, digital work is to be printed weekly.

PROCESS
WK1
DESIGN THINKING SUMMARY
Summarize your design thinking research, site plan and diagrams, detailed program requirements, and project title.
CONCEPTUAL MOTIVATION AND PROPOSITIONS
Identify the conceptual design potential, your basis of design exploration, and your project ambition.
WK2
CONCEPTUAL MOTIVATION AND PROPOSITIONS : Drawings, STUDY MoDELS,
Identify the conceptual design potential, your basis of design exploration, and your project GENERAL CONCEPTUAL PARAMETERS
WK3 SEP 12/14 CONCEPTUAL REVIEW
Present the conceptual design potential, your basis of design exploration, and your OBJECTIVES for the project.
Present SUDY models, site and conceptual design in model form (PHYSICAL
AND/OR 3D) SHOWING conceptual and strategic design BASIS.
SITE ANALYSIS : MAIN VEHICULAR /PEDESTRIAN ACCESS, TENTATIVE BLDG LOCATION, PKG AREA (IF NECESSARY)
basic site information, site plan, site sections, contours, VEGETATION (IF APPLICABLE)
building MASSING; land-use drawing; vehicular & pedestrian paths; climatic analysis
WK4
CONCEPTUAL DEVELOPMENT/ REVISIONS TO CONCEPT. CLARIFY AND DEFINE YOUR CONCEPTUAL APPROACH THROUGH DIAGRAMS/3D MODELING/STUDY MODELS AT APPROPIATE SCALE
WK5
CONCEPTUAL DEVELOPMENT
Continue to develop the conceptual design basis of your project.
INITIATE Program Analysis-DEVELOP RPOGRAMMATIC DIAGRAMS
Diagrammatic analysis – BEGIN plan(S) & section(S) to appropriate scale
Area & space requirements, adjacency requirements
PROCESS
WK6
PROJECT DESIGN
Research, propose, and develop spatial, organizational, material, structural, and envelope ideas in models and drawings
PRELIMINARY STRUCTURAL DIAGRAM SHOWN AS AN AXONOMETRIC MODEL.
WK7 OCT 12/14 DESIGN REVIEW
PROJECT DESIGN PRESENTATION REQUIREMENTS
Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title.
DELIVERABLES:
Sketches, diagrams, and narrative describing architectural intentions and strategies
Site plan to appropriate scale, including the context.
All floor plans and Sections at 1/16"= 1'-0"
Two elevations at appropriate scale.
Physical project model: approx. 3' length (scale to be determined with Instructor)

Sam Fox School of Design and Visual Art Washington University

Visiting Profesor: Antonio Sanmartín

Other Advisors:……(Structures/Building Sist)- ……(Fab Lab)

Teaching Assistants: *TbD*

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Drawings or computer renderings of interior and exterior. Minimum 4.

WK8

TECHNICAL AND DESIGN DEVELOPMENT

Research, propose, and develop environmental, envelope, structural, material research, synthesis, and development

TechNIcal Dossier: RESEARCH ON the properties, dimension, fabrication paRameters of CHOSEN technologies, materials, …

WK9

TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS.

WK10

TECHNICAL AND DESIGN DEVELOPMENT /PREPARE FOR TECH. CONSULTANTS.

WK11 NOV 8/9 **TECHNICAL CONSULTANTS** (DATES TBC)

Meet with professional technical consultants. Dates may vary depending on consultant schedules.

REQUIRED: STRUCTURAL DIAGRAM SHOWN IN PLAN AND SECTIONS/ Draw a section of your project @1/4"=1'0", CHOOSE A SECTION OF YOUR BUILDING SHOWING MAXIMUM COMPLEXITY, INCLUDING ROOF, WALL, INTERIOR SPACE, GROUND.

plans at the discretion of each instructor. PLANS MUST SHOW VERTICAL STRUCTURAL ELEMENTS (SUCH AS COLUMNS, BEARING WALLS, ETC) AND PRIMARY HORIZONTAL MEMBERS (SUCH AS BEAMS/TRUSSES/ ETC DRAWN WITH DASHED LINES)).

TECHNICAL DESIGN PRESENTATION REQUIREMENTS:

Present your development of materiality, structure, and environmental systems

PHYSICAL MODEL OF STRUCTURE ADVISABLE.

WK12 TECHNICAL DRAWING DEVELOPMENT AND FINAL PRESENTATION LAYOUT

WK13

PROJECT DEVELOPMENT

WK14

PROJECT DEVELOPMENT

WK15

PROJECT DEVELOPMENT/PRESENTATION PREPARATION

WK16 DEC 12/13 **FINAL REVIEW**

FINAL REVIEW PRESENTATION REQUIREMENTS

1. Summary of design thinking research, architectural premise, site plan and diagrams, detailed program requirements, and project title

2. Sketches, diagrams, and narrative describing architectural intentions and strategies

3. Site plan, at appropriate scale

4. All floor plans, at 1/16"= 1'-0"

5. Three building sections, two of which are at 1/4"= 1'-0" showing materiality, structure, and environmental strategies.

6. Four elevations, at appropriate scale

7. Physical project model(s)

8. Drawings or computer models showing interior and exterior renderings. Minimum 4.

FINAL NOTES:

Following the final review prepare a CD and contact sheet according to Approach GUIDELINES INCLUDING both degree project proposal and final review requirements listed above.

"appropriate scale": For all presentations the appropriate scale of various models and drawings will depend on the scale and complexity of the project. Generally speaking, simpler, smaller projects are expected to be presented at a larger scale with more detailed development. All drawing and model scales are to be as agreed in conference with your studio advisor. Floor plans & physical model at 1/16"= 1'-0" unless otherwise agreed.

Building sections at 1/4"= 1'-0" unless otherwise agreed

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The studio consists of two distinct parts: Urban Design + Building Design.

The Urban Design component of the studio will initially focus and investigate the major driving forces behind design of college campuses in the United States. It will explore the relationship between …….., which is its primary focus, and other built colleges and similar contemporary conditions; comparing the recent theoretical debate on future urbanism, and historical precedents which have been instrumental in the transformation of the post-industrial city. The studio attempts to explore the physical reality of …….. condition and the theoretical abstraction of current academic debate, which seemingly have been mutually exclusive of each other. Urban Design will be viewed as a critical exploration, investigation, and perhaps reassessment of conventional approaches regarding issues of site, program, infrastructure, form, public space, and mass.

The studio is the opportunity to rethink how the new infrastructures of the city could dialogue with the existing old city and create a new image of its "psycho-geographical" landscape. Will pursue a transfer between diverse types of knowledge and sensibilities related infrastructures beyond energy balance, structural strains, engineering standards and social behaviours. The design of "Living Infrastructures" may require advanced teaching and learning.

The studio takes advantage of architecture's concerns for site specificity, spatial experience, logic of construction, economics of organization, morphology and physical form, while also engaging realms of knowledge associated with disciplines such as urban ecology, urban geography, and landscape design. The project encourages working from the "ground up," rather than adopting a top down" master-planning approach. In this sense, the project is considered experimental, exploratory, and unconventional relative to the established canons of the traditional urban design studio.

Architecture is/as transcription: memory and experience, projection, intelligibility, impression or metaphor operates at the base of a transcription that becomes the architecture. Architecture is the scafulding of all transcription between dimensions, media and matter, agents, institutions, concepts, times, … The site for the "transfer" (phase change) A discontinuous reality is between the order of

things and the order of ideas. This transfer were addition, subtraction, mutation, synthesis,...occurs, is a form of cooking necessitated of some fire, or a memory of it. As stated by LW, "*we use the word "space" in a way similar to when we call a room a space. However, visual space only refers to geometry, one that is a portion of the grammar of our language*". Academic activity does not operate in the real world but in an equivalent or a tantamount reality.

The Building Design component of the studio serves as an advanced design that will include and go beyond conceptual design, experimentation and formal composition although these remain important and critical issues. The focus of this portion will be on the actual making of a building. It will study how to make the REAL in terms of construction, idea, and representation. Each student will bring the project to a level of finish and description where nothing is left or trusted to imagination. The ultimate success of a building is determined at all levels and phases from the development of a concept to understanding of structural and environmental systems, building envelope systems, life-safety provisions, building assemblies, and principles of sustainability. These concerns are seen not only as technical problems but also as architectural opportunities.

A two fold vector will trace the studio's aims and tasks moving from the practice of the invention of "an" architecture to the discourse of its making and description. Both muscles will be under full deployment.

The construction description of a building is not the final goal; it informs and confirms how the invented/proposed architecture is.

WORKING METHODS: Assemblages "Models".

According to Christian Hubert, the domain of inhabitable objects that architecture claims as its own finds its first intimation in the model. The model purports to present architecture, not represent it. Unlike the sign of language, whose signification is primarily a matter of arbitrary convention, the relation of the model to its referent appears motivated in the sense that attempts to emulate or approximate it. Its adequacy is defined by resemblance. If buildings are thought to be the ultimate referents for architecture, then the model could be thought of as its **semi-fictional** account. The fact that the model must be built reinforces its claim to motivation. While the materials may differ, the models fabrication itself becomes a form of surrogate building which serves to explicate the workings of architectural drawings by translating them into three- dimensional form. In this manner model is served as a sort of test of the design.

The initial part of the assignment is:

_To transcribe in a precise wire model the soul of the last project produced by every student.

_To transcribe in drawing and model a site non-generic variable.

_To transcribe in models and drawings the architecture found in the a multipotential document TBD.

_To investigate the idea of a model as hypothesis. To see the model of a building as something other than a narrative record of a project or a building. Models, like architectural drawings , could have an artistic or conceptual existence of their own, one which is relatively independent of the project that they represent.

It would be safe to suggest that model, like the drawing, could have an almost unconscious, unpremeditated, even generative, effect on the design process, that is, a similar effect to that of an orthographic projection to provoke unforeseen structural developments or even modes of perception in the design process.

A group model at scale 1/32 (1/400 in cm) of the UTA campus area built in plywood, CNC milled, laser cut,…including photomap info, campus infrastructures, existing and future building,…will also be a starting assignment.

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A brief week talk/discussion of 15 to 20 min will take place.

The Studio works, manufactures and develops architectures resulting from knowledge both proper and improper to the discipline. "Universes" to found, redo, review, compare and make the specific architectures from each student.
The procedure does not separate between invention and development. The project is a form of knowledge whose musculature is tuned during the course, progressing simultaneously and confirming their results by analogy between the productions of all students.
A studio project is a **chronicle** of a process and has to contain all of its production in response to a sequence of tasks in a weekly traceable **17 weeks path**.

To broaden and make more intense the start of a practice, and attempt a position attentive to all forms of knowledge, opportunities and agents surrounding architecture, is another objective hidden under the syllabus of the studio.
(ASG)
The studio explores the cross roads between the creation of an exemplary/contemporary public space design model, the transformation of a big piece of urban infrastructure, and smart cities research. The students may also join the ongoing public discussion among citizens and politicians and may propose alternative solutions. The studio will work over, under, at both sides of abandoned or under construction infrastructures sites. The studio is the opportunity to rethink how the new infrastructures of the city could dialogue with the existing old city and create a new image of its "psycho-geographical" landscape. Will pursue a transfer between diverse types of knowledge and sensibilities related infrastructures beyond energy balance, structural strains, engineering standards and social behaviours. The design of "Living Infrastructures" may require advanced teaching and learning.
Today, there is a renewal of the challenges of incorporating new nano, micro and macro infrastructures in an unfinished city. Local administrations are willing to develop a research context for Smart Cities. The SITE solutions and alternatives are under a huge public discussion between citizen and politicians and we are ready to join in with our collective know-how. Testing technologies: Nano, Micro & Macro: The project must work in different scales at the same time, fleeing from the classic method "from big scale to detail". Rather we propose to loop the project several times increasing the complexity and putting all the data in a box at the same time, despite possible contradictions. Advanced software and FabLab tasks. The mutation of each project over time will be guided by progressive personal expertise in several issues close to the environmental sciences and digital process. Every step of the sequence is also a change in scale, material, exploration and format. All work produced weekly is already part of the mid and the final results. No reworking at the "end".

A gentle reminder: This is a fairly complex project ranging from highly conceptual and experimental investigation of "IDEA(S)" to study of how to make the REAL (building design) in terms of construction, and representation. It is imperative to be efficient, precise, accurate, and decisive. Take some chances and immerse yourself in the project. Treat this project your thesis; manage your time; take the first or second idea (hypothesis) and develop it, carry it through to completion so you can test it.
MANIACAL and **CONSISTENT** production is of the essence.

0. General Data

ARCH XXXX Graduate Design Studio
Section 1 MWF 2-6 PM
Room XXX
INSTRUCTORS Antonio Sanmartín
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Ph 682 936 0217
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Office hours MTWThF 9to13
FORMAT:
OFFERED: Fall 2016
PREREQUISITES: Graduate Standing
Other links:

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(1)Diderot Encyclopedia by Ken Botnick

Fall Semester 2016

DEGREE PROJECT

Architecture is/as transcription