

# ARC466 – ARCHITECTURAL DESIGN 4 – SPRING 2015

Assignment 1 – Dwelling by Model Building 1

Instructor - Eric Anderson

Name: \_\_\_\_\_

## The Project Brief

This is a diagnostic project to evaluate your model building skills and its contribution to the process for conceptual design. Using the paper model pattern construct three versions of the model from card stock; do not build a base for the model. Use white glue (like Elmers Glue) to assemble the model. Assemble the model so it is self supporting, and does not lean. Using typical convention for the size of components, determine the scale of the models and record this scale.

Submit this brief and perform a self assessment of your submission

Model built out of card stock paper	_____	yes	_____	no
Model built neatly	_____	yes	_____	no
Glue spots	_____	yes	_____	no
Tears or bad cuts	_____	yes	_____	no
Model Scale				
Total response (circle one)		Strong	Average	Weak

Submit the models and this evaluation on February 2, 2015 in class.

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## For Instructor's Use

Overall Evaluation:		Strong		Average		Weak					
Grade:	A	A-	B+	B	B-	C+	C	C-	D+	D	F

# ARC466 – ARCHITECTURAL DESIGN 4 – SPRING 2015

Assignment 1 – Dwelling by Model Building 2

Instructor - Eric Anderson

Name: \_\_\_\_\_

## The Project Brief

This is the second diagnostic project to evaluate your model building skills and its contribution to the process for conceptual design. Using the paper model pattern construct three versions of an interior model and base using single ply chip board.

Model 1 will be a house for 1 young person – 1 bedroom, 1 bathroom, 1 kitchen, 1 living room, and storage for outdoor recreational gear to be used at the nearby beach.

Model 2 will be a house for a family of 4 – 3 bedrooms, 1 full bathroom, 1 half-bathroom, 1 kitchen, 1 living room, 1 den/dining area, and storage for long-term family storage of household goods.

Model 3 will be a house for a married couple with 1 older parent living in a "granny flat" – 1 bedroom, 1 full bathroom, 1 kitchen, 1 living room, a "granny flat" with a living dining area, full bath (accessible), a mini-kitchen, and storage for long-term family storage of household goods for the couple and the parent.

Use white glue (like Elmers Glue) to assemble the model. Assemble the interior model so it is self supporting, does not lean, and can have the paper model constructed in assignment 1 slip over the interior model(s). Using the scale of the models identified in assignment 1, size all required spaces for the interior model.

Submit this brief and perform a self assessment of your submission

Program requirements achieved	_____yes	_____no
Model built out of card stock paper	_____yes	_____no
Model built neatly	_____yes	_____no
Glue spots	_____yes	_____no
Tears or bad cuts	_____yes	_____no
Model Scale consistent with exterior	_____yes	_____no
Total response (circle one)	Strong	Average Weak

Submit the models and this evaluation on February 16 2015 in class.

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## For Instructor's Use

Overall Evaluation:	Strong	Average	Weak
Grade:	A	A- B+	B B- C+ C C- D+ D F

# ARC466 – ARCHITECTURAL DESIGN 4 – SPRING 2015

Assignment 1 – Dwelling by Model Building 3

Instructor - Eric Anderson

Name: \_\_\_\_\_

## The Project Brief

This is the third diagnostic project to evaluate your model building skills and its contribution to the process for conceptual design. In assignment 2, you built three models to fit into the assignment 1 card stock models

Model 1 will be a house for 1 young person – 1 bedroom, 1 bathroom, 1 kitchen, 1 living room, and storage for outdoor recreational gear to be used at the nearby beach.

Model 2 will be a house for a family of 4 – 3 bedrooms, 1 full bathroom, 1 half-bathroom, 1 kitchen, 1 living room, 1 den/dining area, and storage for long-term family storage of household goods.

Model 3 will be a house for a married couple with 1 older parent living in a "granny flat" – 1 bedroom, 1 full bathroom, 1 kitchen, 1 living room, a "granny flat" with a living dining area, full bath (accessible), a mini-kitchen, and storage for long-term family storage of household goods for the couple and the parent.

For assignment 3, take each of the three concepts and modify them to address the following program and site attributes:

- The lot for each house is 25 x 100.
- The lot is subjected to tidal surges during category 2 storms plus; the house must incorporate basic construction standards from the FEMA Guide to Coastal Construction.
- The maximum height of the house is 36-feet above the base flood elevation.
- The "granny flat" must be accessible to persons with mobility and cognitive impairments.

Build one model with all three units on the model base – use single ply chipboard for all exterior and interior features. Use white glue (like Elmers Glue) to assemble the model. Assemble the exterior model so it can be slipped off of the interior model, both must be self supporting and does not lean. Develop proportional scale elements for structural pieces. Using the scale of the models identified in assignment 1, size all required spaces for the interior model.

Submit this brief and perform a self assessment of your submission

Program and site requirements achieve	_____yes	_____no	
Model built out of card stock paper	_____yes	_____no	
Model built neatly	_____yes	_____no	
Glue spots	_____yes	_____no	
Tears or bad cuts	_____yes	_____no	
Model Scale consistent with exterior	_____yes	_____no	
Total response (circle one)	Strong	Average	Weak

Submit the models and this evaluation on March 2, 2015 in class.

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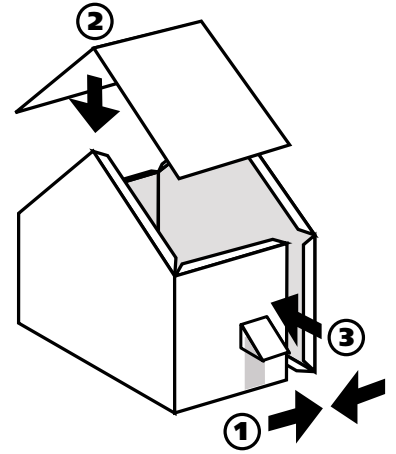
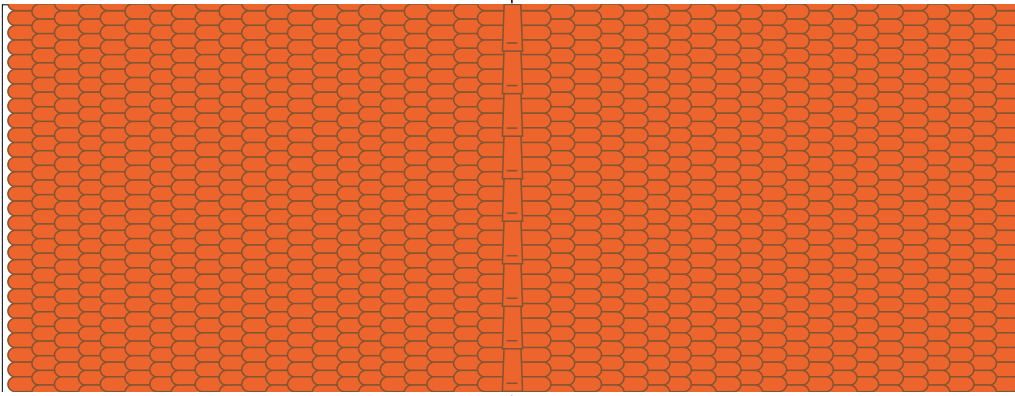
## For Instructor's Use

Overall Evaluation:	Strong	Average	Weak								
Grade:	A	A-	B+	B	B-	C+	C	C-	D+	D	F

# Bastelbogen „Reihenhaus“ · Maßstab: 1:100\*

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\*wenn die Seite beim Ausdrucken nicht verkleinert wird (s.a. ganz unten)



Dieses Modell basiert auf einem Entwurf der WILMA Bauträger GmbH Ratingen, wie er in Rondorf im Kölner Süden realisiert worden ist.

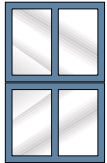
Oberflächen und Farbgebung sind dem Original nachempfunden. Farbabweichungen sind allerdings unvermeidlich.



Foto des Modells



Vorder-/Rückseiten zusammenkleben



Vordach



Vordachhalterung

Ausdrucken auf möglichst kräftiges Papier (ca. 90-160 Gramm/qm)

Die Unterseite des Hauses am Besten auf eine geeignete Pappe kleben.

An den gestrichelten Linien wird gefalzt. Alle hellblauen Flächen sind zum Verbinden der Teile und werden ebenfalls (nach innen) gefalzt.



\*10,57 m

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