

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.

For Instructor's Use

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