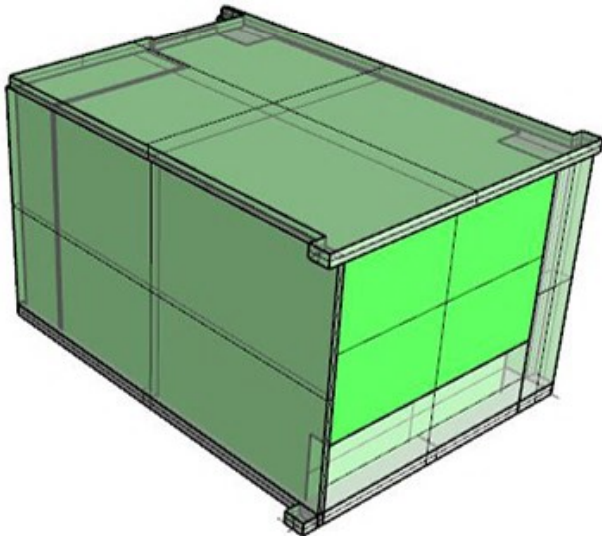


ASSIGNMENT:  
DAYLIGHTING ANALYSIS AND DESIGN  
BUILDING PERFORMANCE AND SIMULATION

SUBMITTED BY\_ SILMI FARAH

# SHADING ANALYSIS AND DESIGN:

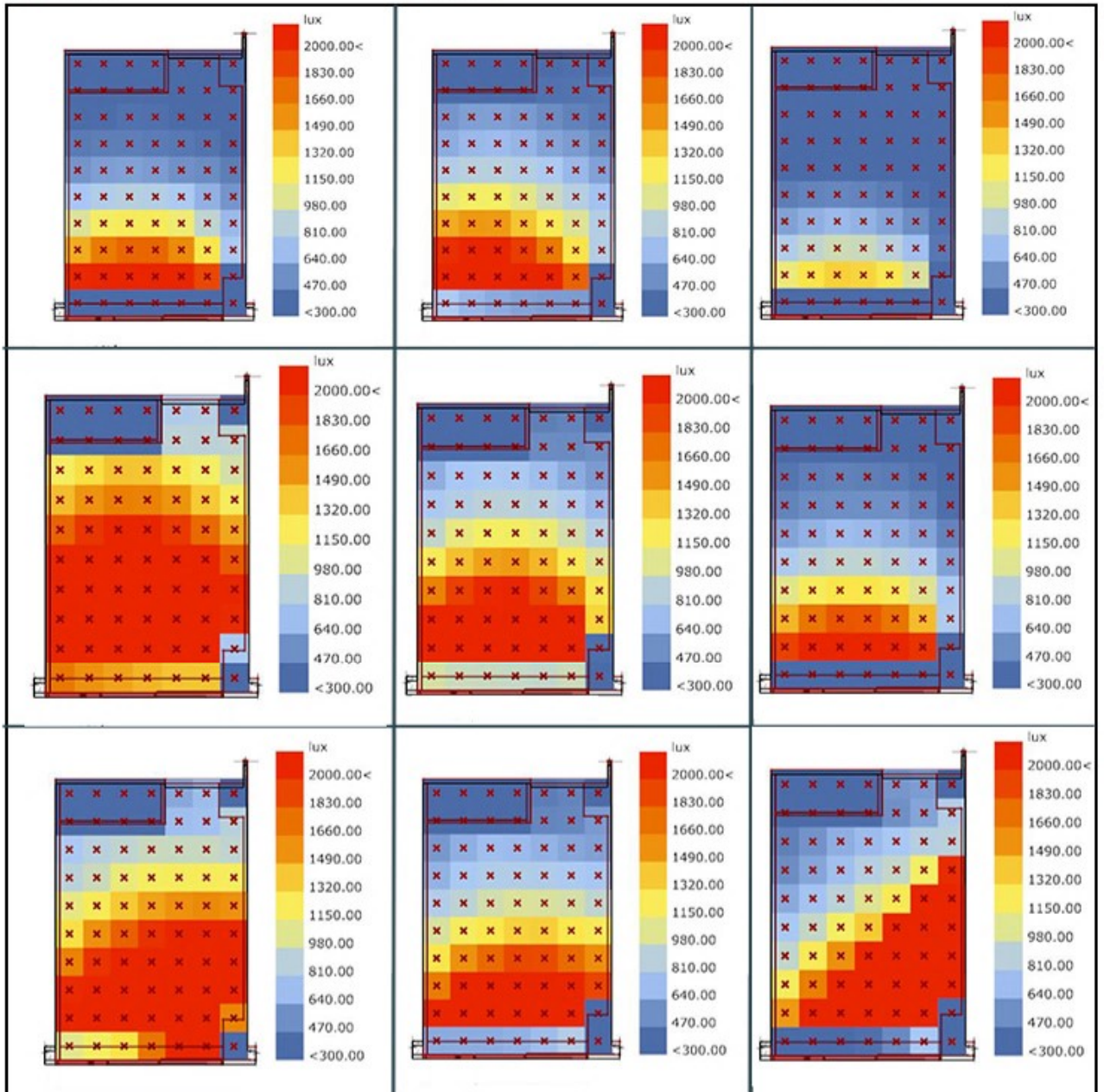
HAVING A SOUTHERN SURFACE WITH CURTAIN GLASS IT ALREADY HAS SUFFICIENT LIGHTING. HOWEVER, YEARLONG RADIATION IS A MAJOR PROBLEM. THIS CONTROL OF GLARE WAS THE PRIME FOCUS OF DESIGN.



21 MARCH

22 JUNE

21 DECEMBER

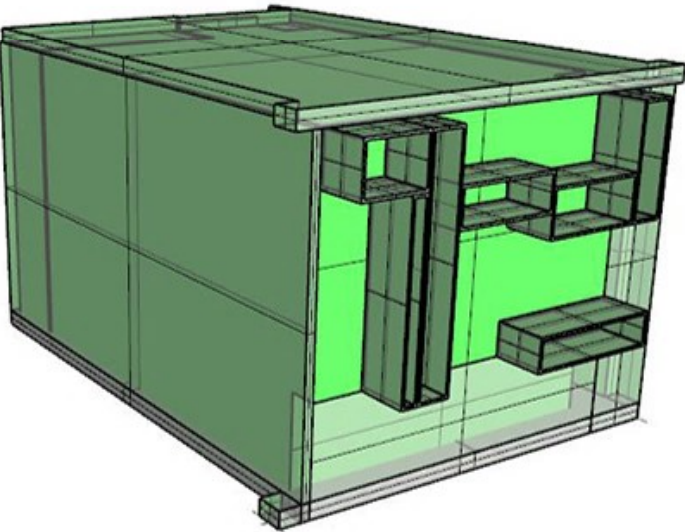


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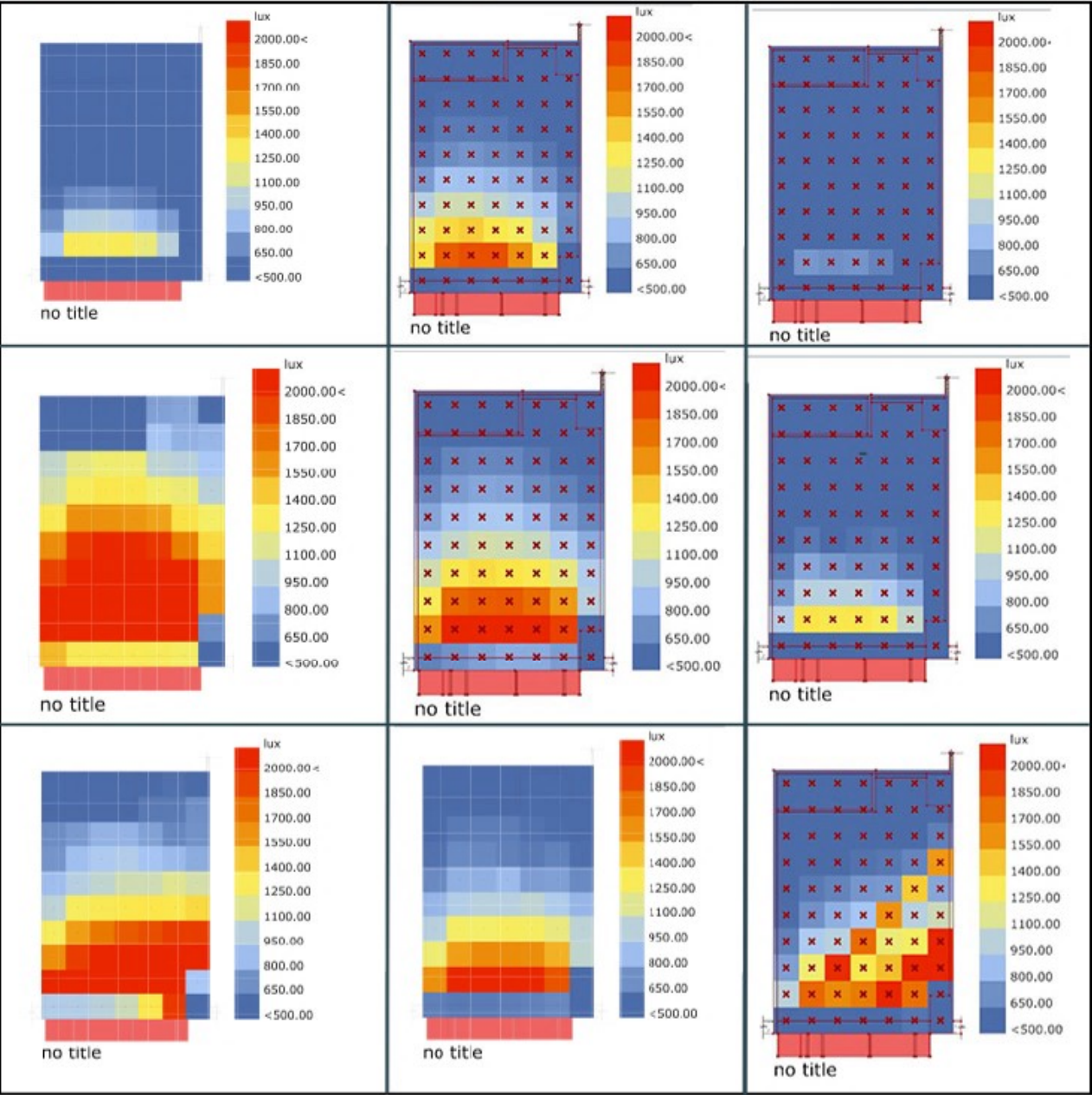
STEP 1:  
INTRODUCING SOME EGG CRATE SHADING OF VARIOUS SIZE  
AND PROPORTION RECESSING OUT OF THE WINDOW. AND THE  
ANALYSIS RESULT STILL TURNED OUT MUCH GLARED.



21 MARCH

22 JUNE

21 DECEMBER



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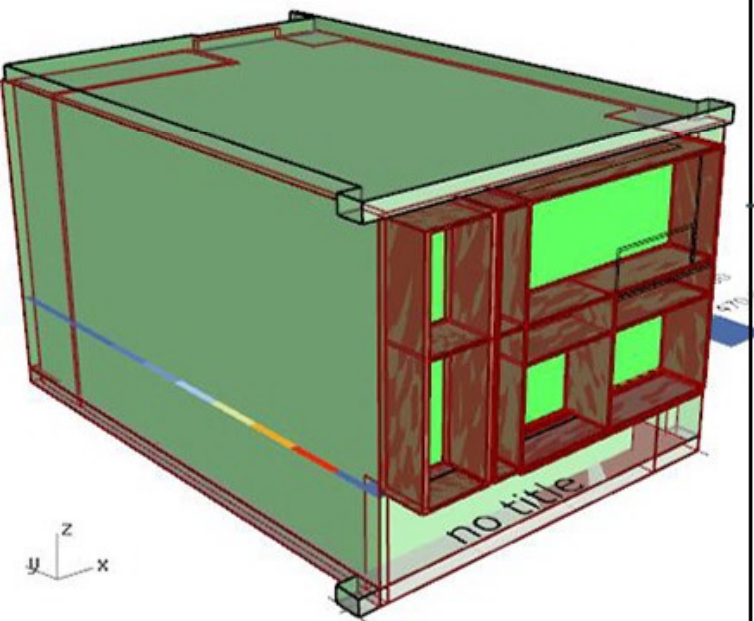
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STEP 2:

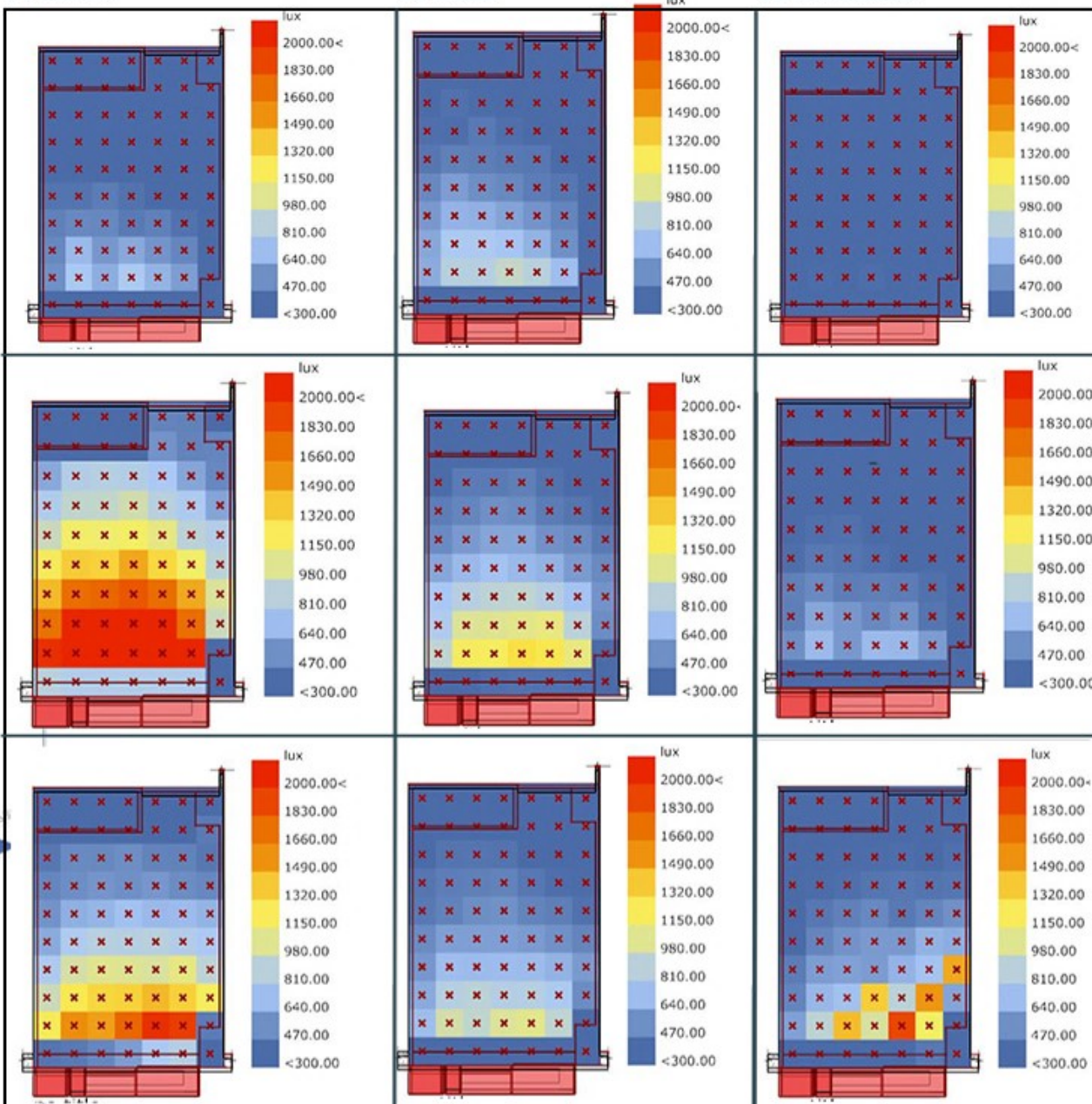
TRIAL AND ERROR OF MOVING AND SCALING THE SHADES AND THE LIGHT SHELVES UNTIL DESIRED RESULT. STILL SOME PLACES INSIDE THE ROOM MAY BE BELOW 300 LUX BUT CONSIDERING THAT IS INACTIVE ZONE WITHOUT ANY READING OR DAILY ACTIVITIES REQUIREMENT.



21 MARCH

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21 DECEMBER



9 AM

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