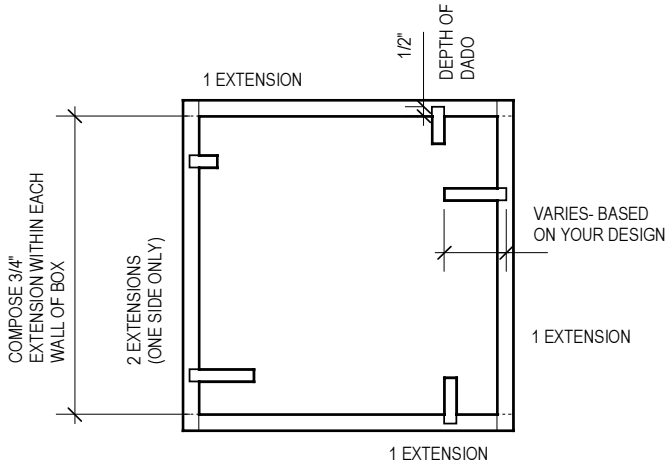


# first year: wood fabrication project

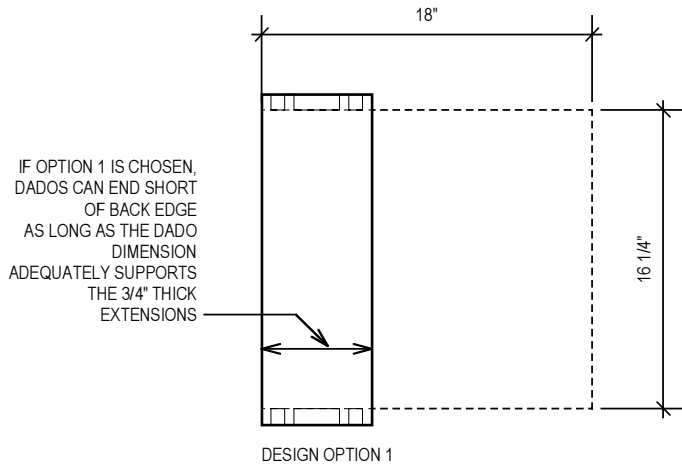
## A volume of cubic space: Step Two

Reference step one for more information

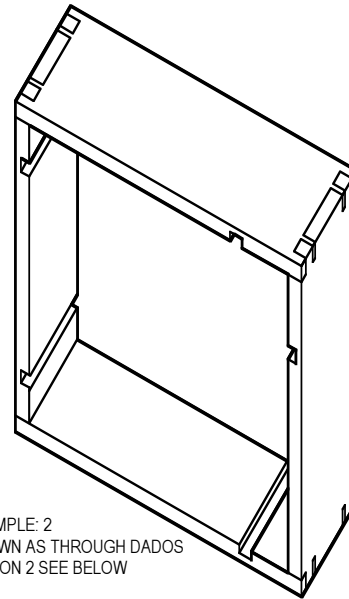
Issued	Friday, October 5, 2007
Objective	<p>This semester's project will be directly linked to the studio concepts learned throughout the semester. Ideas such as volume, implied spatial definition, hierarchy, cartesian axes, primary/ secondary spaces, composition, proportion, consistency and articulation will be explored in the development of a cubic volume of space.* This cube of space should apply the ideas and spatial techniques already learned as well as the ones you will be learning in the coming weeks.</p> <p>*excerpt from step one issued on September 12</p>
Working Process	<p>For this part of the shop project you are to design and compose five (5) 3/4" thick extensions which originate from the 18" x 18" x 6" frame. These extensions, along with the aid of a series of planes made of the remains of your 2x4 (in 1/4" &amp; 1/2" thicknesses) as well as one (1) 18" x 18" x 1/2" sheet of plywood, one (1) 18" x 18" x 1/4" sheet of plywood, and the original frame, are to define a 18" x 18" x 18" cubic volume. These planes as well as defining the cubic volume, should also create one major, and three minor spaces within the cube. See the included diagrams and drawings for more information.</p>
Method / Process	<ul style="list-style-type: none"><li>• Planes must be simple rectangles with all edges parallel and perpendicular to the sides of the cube.</li><li>• Planes cannot extend beyond the surface of the cube. In fact they should help to define it.</li></ul>
Materials	<p>Wood pencils Tracing paper (12" x 12" sheets) Chipboard &amp; corrugated cardboard (1/2 X models) modeled to approximate thicknesses Elmer's glue Corrugated cardboard (1X mock-up) modeled to approximate thicknesses Tape &amp; hot glue</p>
Upcoming Steps	<p>Later you will be asked to consider notches and reliefs within the 18" x 18" x 6" frame to define the spatiality of the internal volumes defined by the planes. In addition to this, circular holes will be introduced through subtraction to create spherical and cylindrical volumes within the composition.</p>
Due	<p>Monday, October 8, 2007 @ 1.30 p.m.(study model #1) @ 1/2 X Friday, October 12, 2007 @ 1.30 p.m.(study model #2) @ 1/2 X &amp; sketches Wednesday, October 17, 2007 @ 1.30 p.m. (a cardboard mock-up of design taped in place within wood frame)</p>



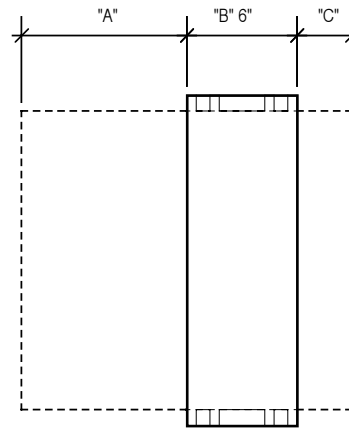
EXAMPLE: 1  
 3/4" CUBIC EXTENSIONS WITHIN 18" X 18" BOX  
 (3) SIDES ALLOW ONLY ONE 3/4" EXTENSION &  
 (1) SIDE ALLOWED TWO 3/4" EXTENSIONS



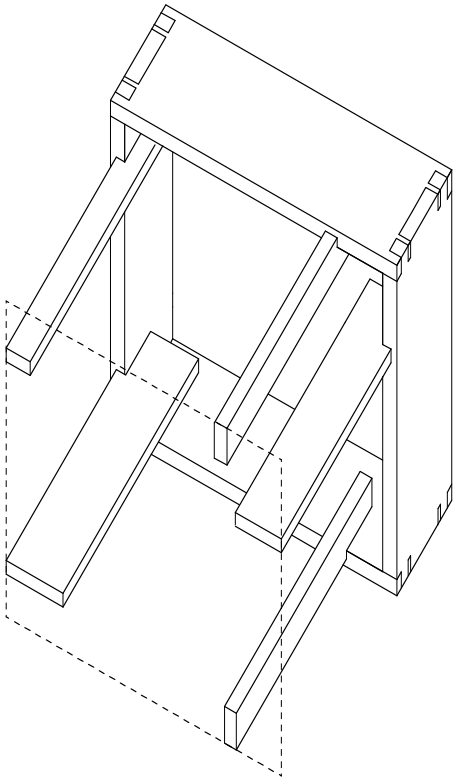
DESIGN OPTION 1



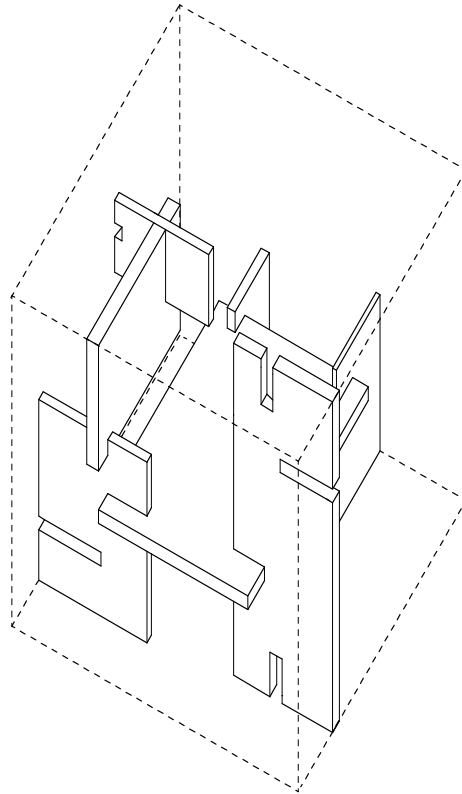
EXAMPLE: 2  
 SHOWN AS THROUGH DADOS  
 OPTION 2 SEE BELOW



DESIGN OPTION 2



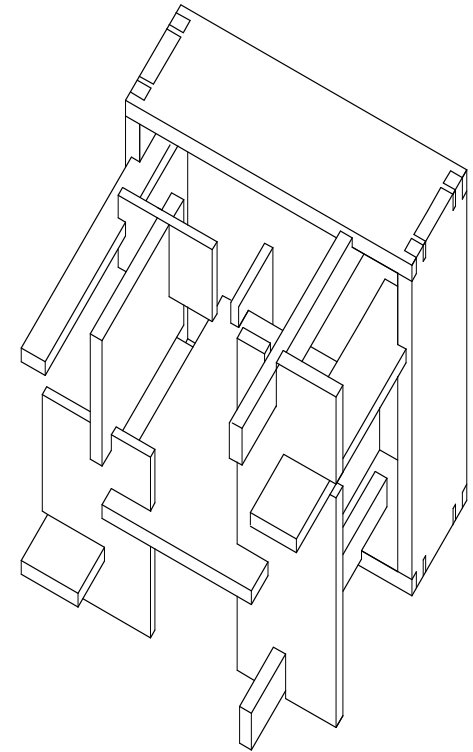
EXAMPLE 3A: SHOWING 3/4" CUBIC EXTENSIONS WHICH ARE TO DEFINE THE CUBIC CONTAINER  
"SHOWN WITHIN PARTIAL DADOS"



EXAMPLE 3B: INTERNAL PARTITIONS MAKING UP A MINIMUM OF FOUR INTERNALLY DEFINED SPACES. IN ADDITION, THESE PLANES ARE TO HELP DEFINE THE CUBIC CONTAINER.

PARTITIONS ARE TO BE MADE FROM:

1. REMAINING 2X4s (AS 1/4" AND 1/2" THICKNESSES)
2. FROM 1 SHEET OF 18" X 18" X 1/4" TK. PLYWOOD
3. FROM 1 SHEET OF 18" X 18" X 1/2" TK. PLYWOOD



EXAMPLE 3C: SHOWING INTERNAL PARTITIONS WITHIN THE 3/4" CUBIC EXTENSIONS

UPCOMING FINAL OPERATIONS :

1. CONTINUING TO DEFINE EACH SPACE THROUGH NOTCHING AND RELIEF OF THE 18" X 18" X 6" BOX
2. INTRODUCING SPHERICAL AND CYLINDRICAL SPACES WITHIN THE COMPOSITION
3. FINISHES