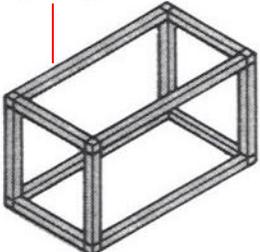


# ASSEMBLY INSTRUCTIONS



**FINISHED ASSEMBLY**  
TYPICAL RECTANGULAR STRUCTURES

**STEP 1:**  
ASSEMBLE TWO JOINTS WITH ONE LENGTH SECTION (A). THIS COMBINATION BECOMES ASSEMBLY (A)

**STEP 2:**  
REPEAT STEP ONE WITH REMAINING JOINTS (SIX) AND REMAINING LENGTH SECTIONS (A) (THREE). THIS PRODUCES FOUR SEPARATE ASSEMBLIES.

**STEP 3:**  
ASSEMBLE TWO WIDTH SECTIONS (B) WITH ONE LENGTH SECTIONS ASSEMBLY (A). RESULT IS ASSEMBLY (A) (B)

**STEP 4:**  
JOIN ASSEMBLY (A) (B) WITH ANOTHER ASSEMBLY (A). THIS BECOMES ASSEMBLY: (A) (B) (C)

**STEP 5:**  
REPEAT STEPS 3 AND 4. THERE ARE NOW TWO (A) (B) (A) ASSEMBLIES.

**STEP 6:**  
ASSEMBLE FOUR VERTICLE PIECES (C) TO THE JOINTS AT FOUR CORNERS OF ONE OF THE (A) ASSEMBLIES-SEE NEXT PICTURE

**STEP 7:**  
PLACE THE OTHER (A) (B) (A) ASSEMBLY ON THE TOP OF THE FOUR VERTICAL PIECES THAT ARE NOW PART OF ASSEMBLY (A) (B) (A). ALIGN THE FOUR JOINTS INTO ENDS OF THE FOUR TUBE ENDS. DRIVE ALL FOUR JOINTS INTO THE TUBES EVENLY AND GRADUALLY SO THAT ALL ARE SEATED AT THE SAME TIME.

## BEAMS

## STRUTS

<u>MATERIAL</u>	<u>LENGTH (SPAN)</u> <u>INCHES</u>	<u>LOAD PER PAIR</u>	<u>LENGTH</u> <u>(HEIGHT)</u>	<u>LOAD</u> <u>(Pound Per Foot)</u>
ALUMINUM	24	304	24	979
ALUMINUM	36	145	36	727
ALUMINUM	48	81	48	504
ALUMINUM	60	52	60	354
ALUMINUM	72	36	72	258
STEEL	24	608	24	1958
STEEL	36	406	36	1454
STEEL	48	244	48	1008
STEEL	60	156	48	709
STEEL	72	108	60	554