NOTE: All holes shown are for bolt/t-nut connections that are included to make it easier to store this assembly. If storage of this assembly is not a concern, wood screws could be used instead of bolts and t-nuts and all drilled holes can be skipped.
Step 1: Assemble 2x Cube Shelf Side Frames using #8 wood screws. Match orientation of t-nut holes as shown above if you are using them.
Step 2: Install 14 t-nuts as shown if you are using them for storage.
Step 3: Attach 1, 8, and 9 to the Cube Shelf Side Frames with #8 wood screws as shown. Create a left and right version, as shown below.

If you are building a full Grid or set of Grids, these holes should be oriented as shown.
Step 4: Attach panels to the frames with 1/4-20 x 2" Long Hex Head Bolts into t-nuts as shown (or #8 wood screws), washers are optional. Panels should end up flush with each other at the top edges.
Cube Shelf Divider Beam


Material/Finish: 2" x 4" Lumber. DO NOT SCALE DRAWING.

Comments: Remove all burrs and sharp edges.

UNLESS OTHERWISE SPECIFIED:

TEAM | NAME | DATE
--- | --- | ---
JO | JO | 11/7/2022

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Cube Shelf
Front Vertical

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/16
ANGULAR, MACH ±1° BEND ±1°
TWO PLACE DECIMAL ±0.13
THREE PLACE DECIMAL ±0.125

MATERIAL/FINISH:
2" x 4" Lumber

UNLESS OTHERWISE SPECIFIED:
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COMMENTS:
REMOVE ALL BURRS AND SHARP
EDGES.

2X ⌀0.31 [3/8"] THRU ALL
Cube Shelf Front Short Vertical

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/16
ANGULAR, MACH ±1° BEND ±1°
TWO PLACE DECIMAL ±.013
THREE PLACE DECIMAL ±.00125
MATERIAL/FINISH:
2" x 4" Lumber

UNLESS OTHERWISE SPECIFIED:
DO NOT SCALE DRAWING

TWO PLACE DECIMAL
THREE PLACE DECIMAL

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COMMENTS:
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EDGES.

REV
2x 1.75 \left(\frac{\frac{3}{4}}{16}\right) THRU ALL

2x \phi 0.31 \left(\frac{\frac{5}{16}}{16}\right) THRU ALL

Title: Cube Shelf Top
Horizontal

Material/Finish: 2" x 4" Lumber

Scale: 3:4