



# WALL MOUNTED SHELVING

## INSTALLATION INSTRUCTIONS



VAULT FURNITURE

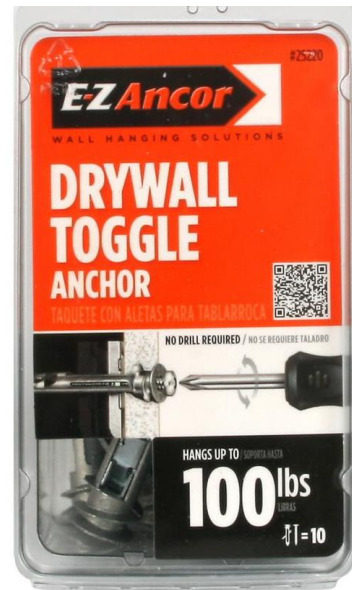
## Tips for getting Started: Figuring out your wall mounting hardware

There are many different types of wall construction that require different kinds of anchors. For this reason we do not include the mounting anchors, only the fasteners that attach the shelves to brackets. The brackets attach to the wall behind each shelf. You can figure out how many wall anchors you need by multiplying the number of shelves by the number of brackets. (For example: A shelving unit that has (4) shelves with (3) brackets will need 12 mounting anchors.)

Andy (one of the Vault Furniture Owners) has installed this type of shelving on all sorts of construction. Here are some of his favorite anchors\*



Drywall Construction:  
Wood or Metal Stud Mount



Drywall Construction:  
No Stud, Just Drywall Mount



Plaster Construction:  
we usually take these and the Spax because you never know what your going to get behind old plaster walls



Masonry & Concrete



**\*PLEASE KEEP IN MIND THAT CERTAIN SIZES MAY BE REQUIRED FOR SPECIFIC APPLICATIONS. PLEASE CONSULT A CONTRACTOR OR HARDWARE STORE SPECIALIST TO ENSURE YOU PICK THE PROPER SIZE FOR YOUR APPLICATION**

## Recommended Tools for Installation:



TAPE MEASURE



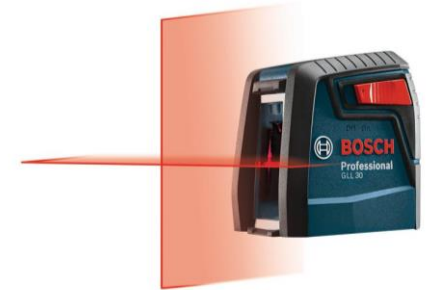
POWER DRILL



TWO PEOPLE



STUD FINDER



BOSCH LASER LEVEL

- 1. Know the overall dimensions of your shelving unit. This will help you determine where on the wall you would like to hang it.**
  - How far off the ground?
  - Where are they placed on the wall? (Figure A)
- 2. Once you have determined where the shelves will hang, it is time to begin mounting the metal brackets.**
  - We recommend mounting the (2) outside brackets first.
  - When mounting based on stud location, locate all of the studs and determine which ones you will use. Then mark the center of the studs you will be mounting to.
  - If mounting based on preference / Not stud location, simply mark at the overall outside bracket dimension. (Figure A)

Overall Shelf Distance – 2" = Outside Bracket distance

We typically leave a 1" over hang on each side\*



\* Shelf overhang is optional. We typically leave 1" on each side but We recommend doing whatever works best with your application and/or stud location

Bottom Shelf Height Off Ground



8" – 18"\*

\*This is typical height off ground for full wall units. Smaller units may be mounted much higher.

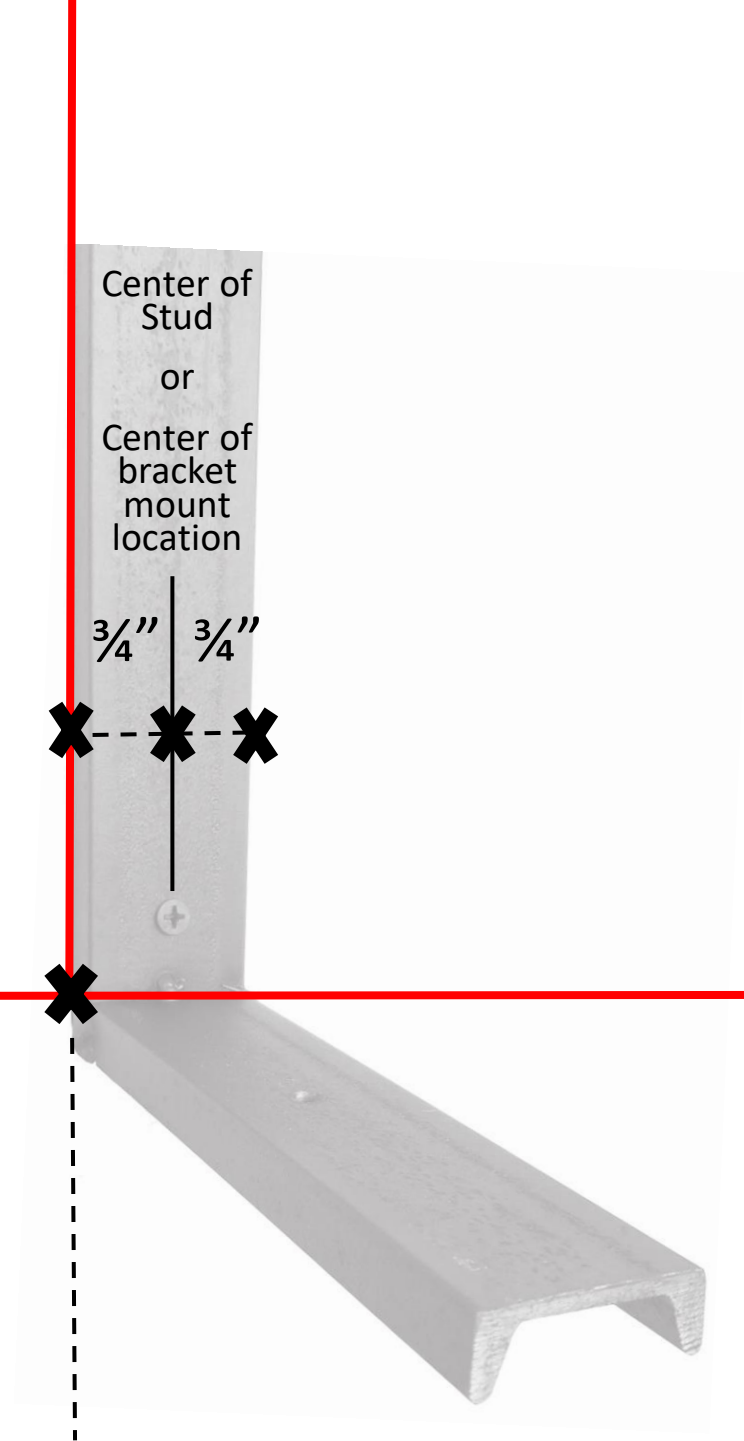
**FIGURE A**

### 3. **Line up the laser level with mounting location. (Figure A - C)**

- Line the vertical laser to the outside bracket dimension and the horizontal laser with the desired distance off the floor.
- **Stud Mount** : Mount the bracket onto the center of the stud.
  1. Use a stud finder to determine where the center of the stud is. Make a mark at the center of the stud.
  2. The laser will line up along the edge of the bracket, therefore you will need to measure  $\frac{3}{4}$ " from the stud center to get the outside edge of the bracket.
  3. Line the vertical laser up with the  $\frac{3}{4}$ " mark and the horizontal laser with the desired distance off the floor. (Figure B-C)
  4. Once the laser is in position, have someone help you hold the bracket along the laser line. (Figure C) While one person holds the metal bracket in place, the other person will screw through the holes and secure the bracket to the stud.
- **Mounting without Stud:** Requires pre-drilling for anchors then securing bracket to wall.
  1. Make a mark at the overall outside bracket dimension. (Figure A) Line the vertical laser up with the outside mark and the horizontal laser with the desired distance off the floor.
  2. Line the bracket up with the laser lines. (Figure A & C)
  3. Have one person hold the bracket in position while the other takes a screw and presses it through the wall mounting holes of the bracket. (This will create a mark on the wall so you know where to pre-drill) Once you mark where the holes are you can take the bracket down.
  4. Pre-drill at each mark for the wall mount anchors. Secure anchors into wall.
  5. After all the anchors are secured in the wall, match the bracket mounting holes up to the anchors. Have someone hold the bracket in position while you secure the bracket to the anchors.

### 4. **Repeat step 3 for the other outside bracket.**

Bottom Shelf Height Off Ground  
8" – 18"\*



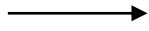
When using a laser level, you line the laser up with the outside edge of the bracket.

The steel bracket is 1 ½ " wide. The center of the bracket is ¾" in from either side of the bracket.

\*This is typical height off ground for full wall units.  
Smaller units may be mounted much higher

**FIGURE B**

$\frac{3}{4}$ " to left or right  
of stud center



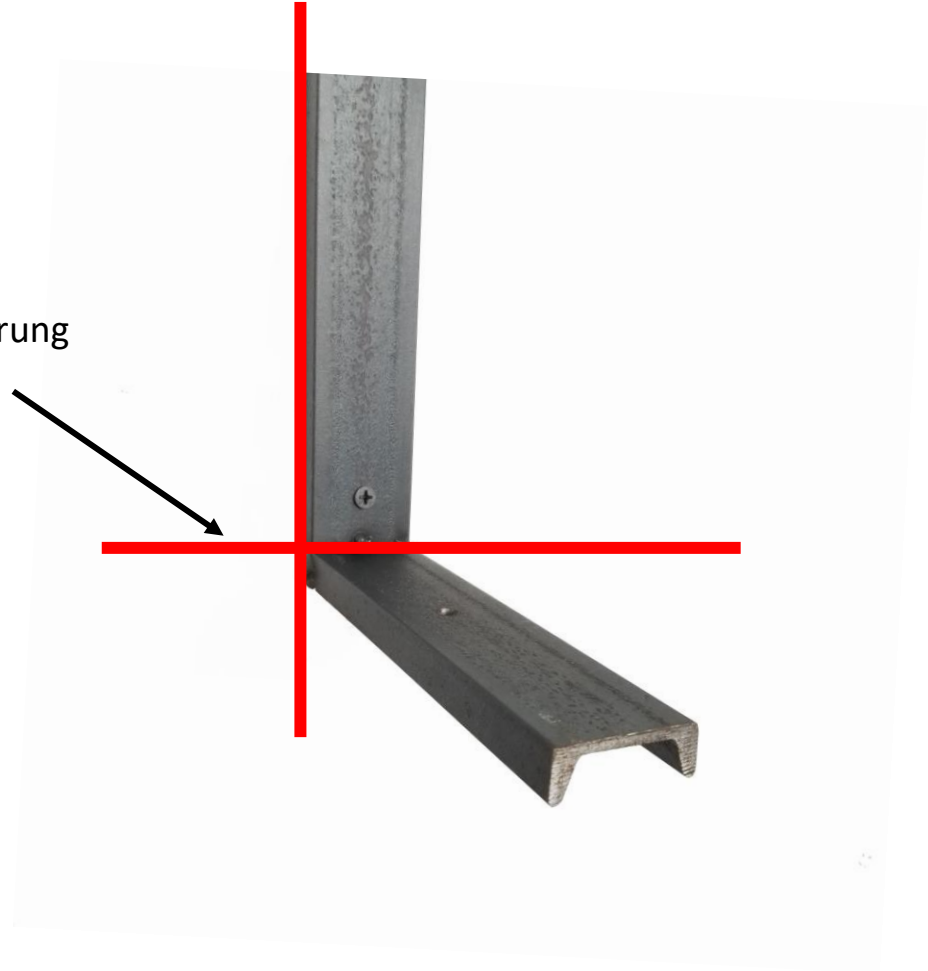
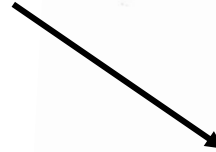
Bottom Shelf  
Height Off  
Ground



8" - 18"\*

\*This is typical height off ground for full wall units. Smaller units may be mounted much higher.

We typically line the laser up  
Along the top of the bottom rung

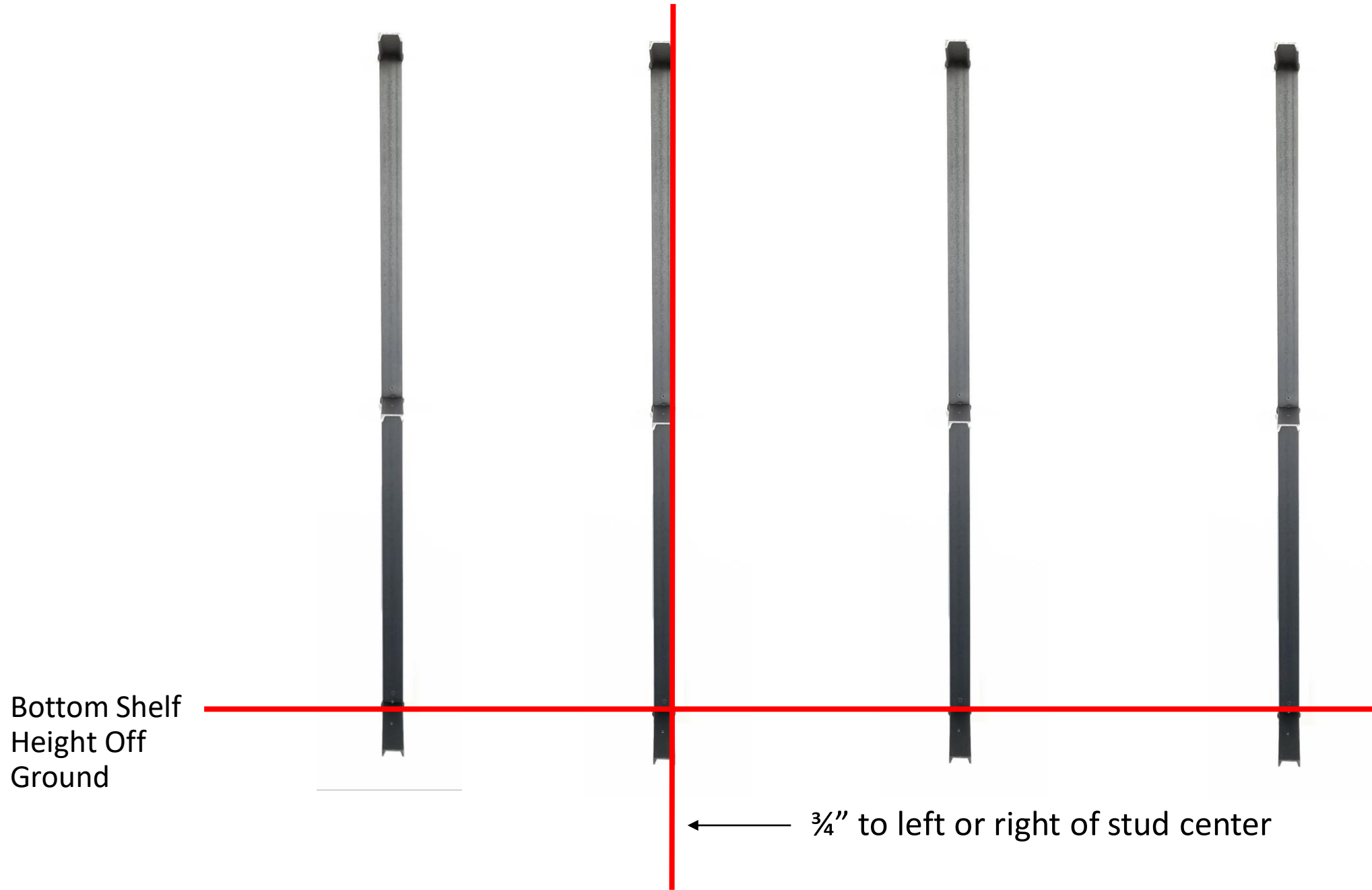


**FIGURE C**

5. **Mounting Center Brackets:** After you finish mounting the outside brackets, you will need to determine the mounting location for the center brackets.
  - **Stud Mount:**
    - Mark center of studs you are mounting to. (Figure D)
    - Repeat step 3
  - **Mount without Stud:**
    - you will want to use the formula in Figures E-F to figure out the center bracket locations.
    - Then repeat step 3 for each center bracket
  
6. **After all of the brackets are securely mounted to the wall, it is time to attach the shelving.**
  - The bottom shelf has the “V” logo in the bottom right hand corner and “Vault Furniture” brand on the bottom.
  - You can place the other shelves in any order you prefer
  
7. **Secure shelves to the brackets.**
  - Push the wood all the way back so it is flush against the bracket. Then, measure the overhang on each side to make sure it is equal distance.
  - Secure shelves to bracket using provided wood screws
  
8. **Sit back and enjoy your newly transformed space with tons of storage. :)**

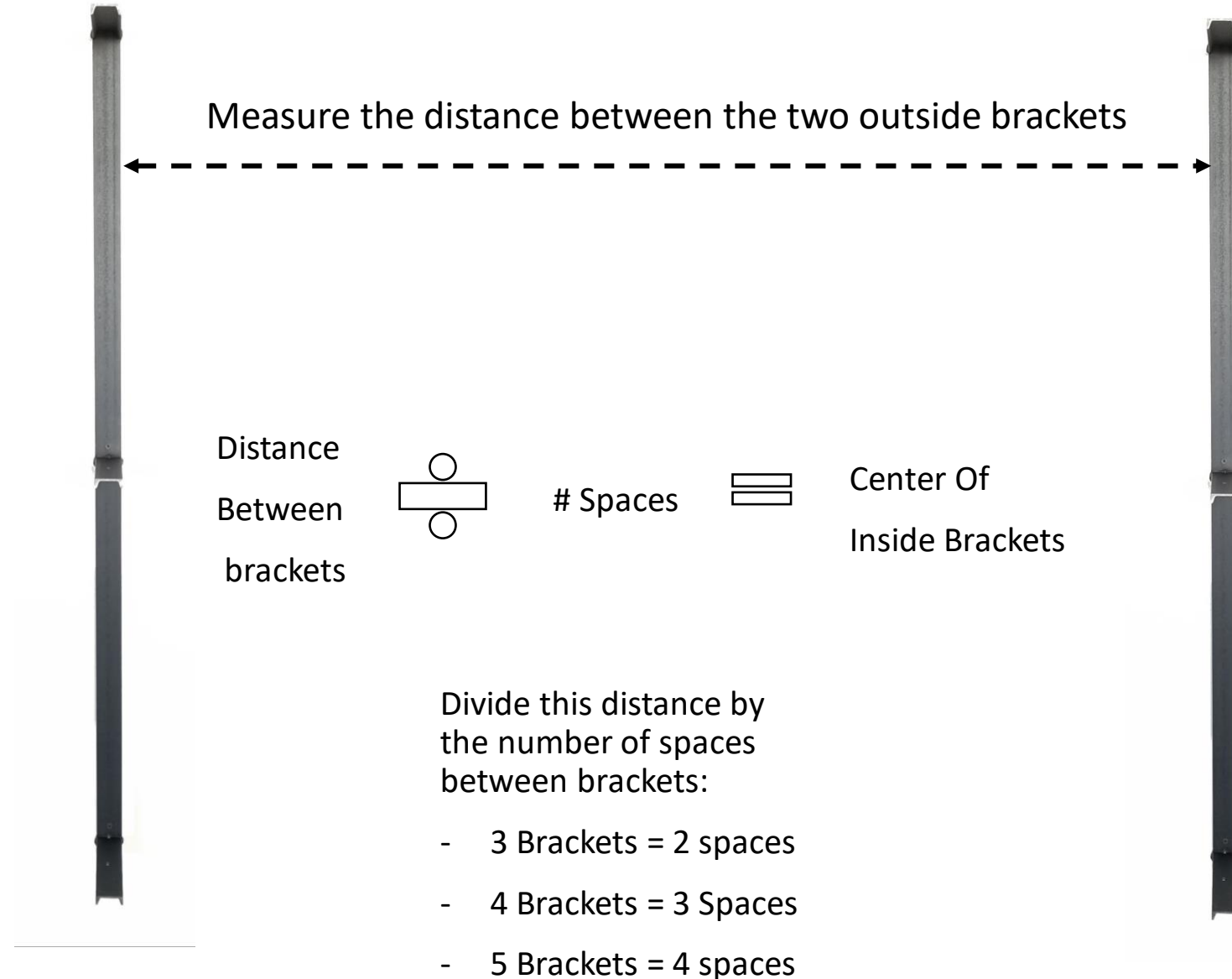


If you are mounting all of the brackets onto studs, You will simply repeat the first steps at each stud location



**FIGURE D**

If you are **NOT** mounting based on the stud location,  
use this formula to find the center / mounting location of the middle brackets.



**FIGURE E**

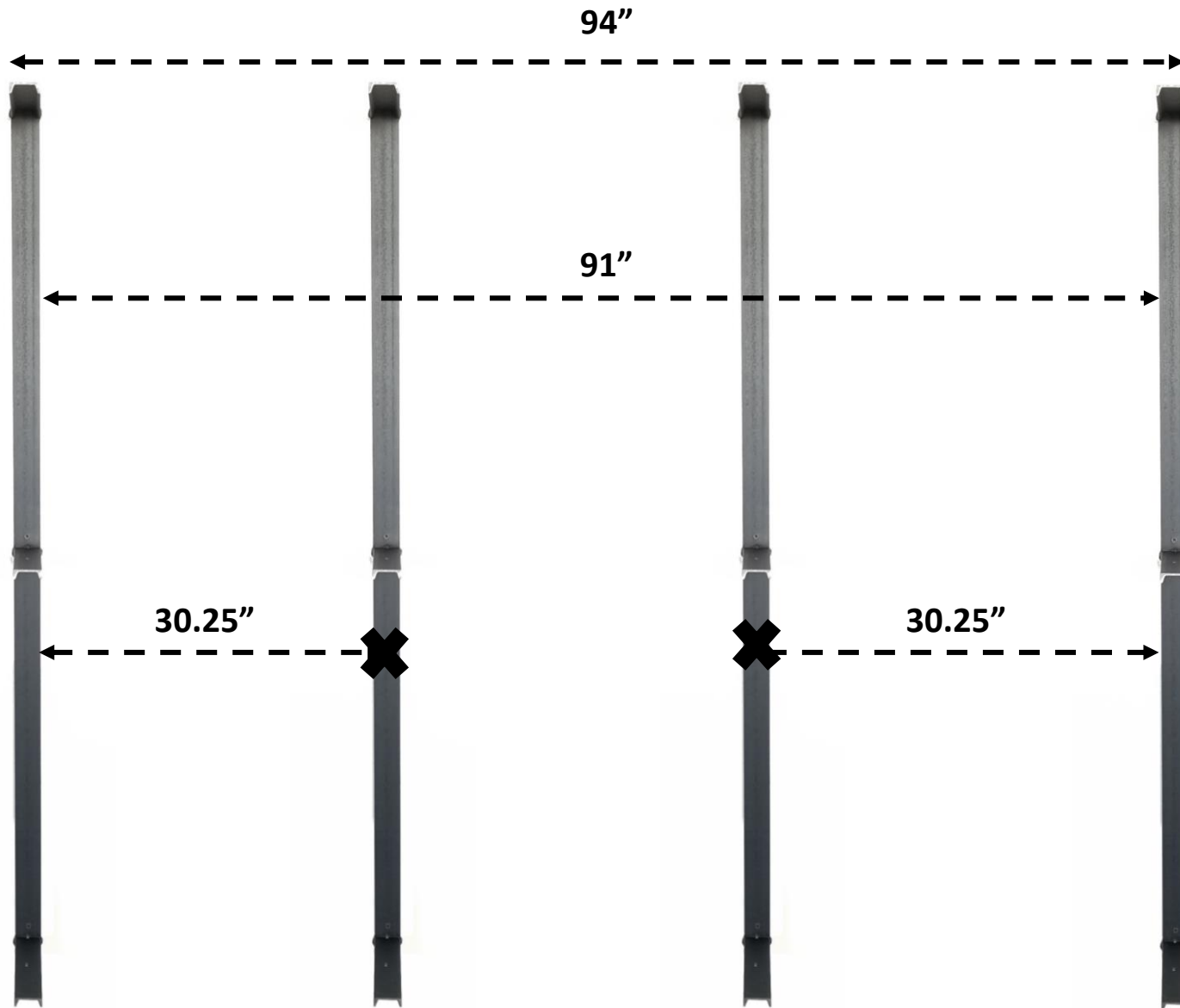
## EXAMPLE:

For 96" long shelves with 4 brackets and 1" overhang on each side

Find the length between the two outside brackets.

Divide that length by the number of spaces/openings between brackets

- 3 Brackets = 2 spaces
- 4 Brackets = 3 Spaces
- 5 Brackets = 4 spaces



$$91 / 3 = \sim 30.25$$

In this example, the dimensions between the outside brackets is 91". Therefore, You divide 91 by the # of spaces / openings. (3) This tells you the center of interior brackets.

FIGURE F