

## Assembly Instruction

### Tessera Shelves—Regular, Lighted, & Sliding

- 1** The shelf brackets will be shipped inside the shelf. First remove the brackets from the shelf and from the hardware bag insert the black dowel inserts into the two 5/16" holes on the end of the shelf.

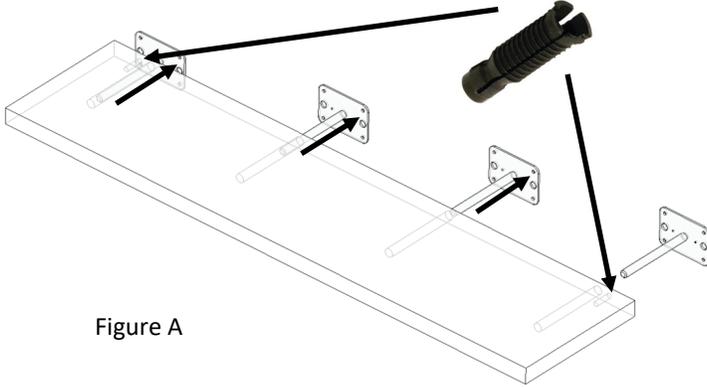


Figure A

- 2** Determining shelf location on the wall panel is next. There are 3 options vertically and endless options in increments of 3" horizontally for the shelf to be placed.  
i.e. The end user wants a 42" shelf to span two 36" wall panels and wants the shelf to be flush with the right edge of the two wall panels and be located in the middle row vertically.

**Note:** If the total shelf length is not a multiple of 12" (i.e. 42") the first hole on the shelf is 3" from the edge and then every 12" after that until you get a total length of 3" less than total shelf length. On total shelf lengths that are a multiple of 12" (i.e. 60") the first hole is 6" from the edge and then every 12" after that until you get a total length of 6" less than total shelf length.

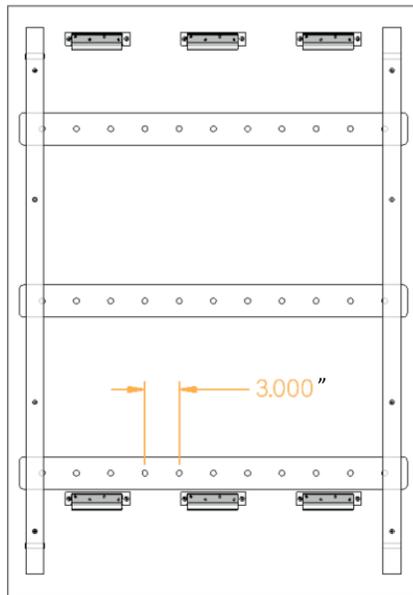


Figure B - Back View of Wall Panel

### Package Contents

Component.....	Qty
Shelf	1

Hardware.....	Qty
Bracket	2 to 10
Lock Dowel	2
Quick Dowel Insert	2
#8 x 3/4" panhead screws	4 to 40

### Tools Required

Drill (Phillips #2 and #3 bits)  
1/16" Drill Bit  
3/16" Drill Bit  
Tape Measure  
Level

Lam, Ven, Comp., & Conc. Panels  
9/16" Drill Bit (Standard HSS)

### Stone Panels

1/2" Masonry Bit (Carbide Tip) or  
Opt. 9/16" Masonry Bit (Carbide Tip)

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The wall panel blinder has to be removed to drill the 9/16" holes through the panel if the first or last pilot hole on a wall is a location for one of the shelf brackets. In the 42" shelf example, there should be a hole at 3", 15", 27", 39". The 39" inch hole goes 3" onto the 2nd panel since both panels are only 36" wide and the shelf is 42". This would cause both blinders to be removed to allow the bracket to be attached without interference of the blinder. **\*Drill THRU holes at low RPM with sharp bits to limit chip/blowout on the front surface of the wall panel.**

**NOTE: If the wall panel is made of STONE, a specialty drill bit MUST be used. Due to the hardness of material, standard bits SHOULD NOT be used. Chase out the hole through the fiberboard up to the stone face using a standard bit, then use a 1/2" or optional 9/16" carbide tipped masonry bit to drill through the stone face. DO NOT use a hammer drill as it will fracture the stone material.**

9/16" drill  
THRU

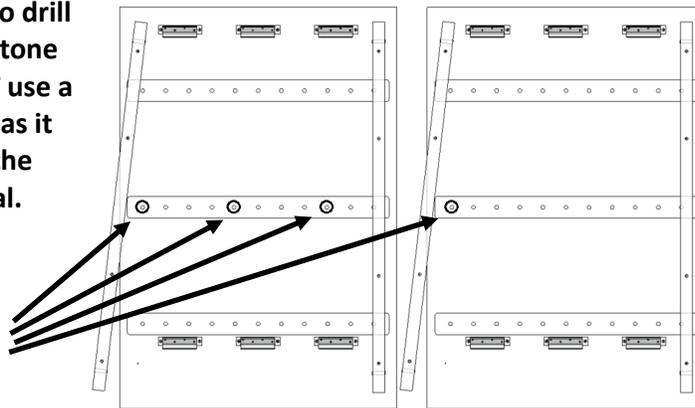


Figure C

4

Once the 9/16" holes have been drilled at the proper 12" increments the rods should be pushed through until the plate on the bracket is flush with the back of the wall panel. Screws are then attached on each corner of each bracket to secure the bracket to wall panel.

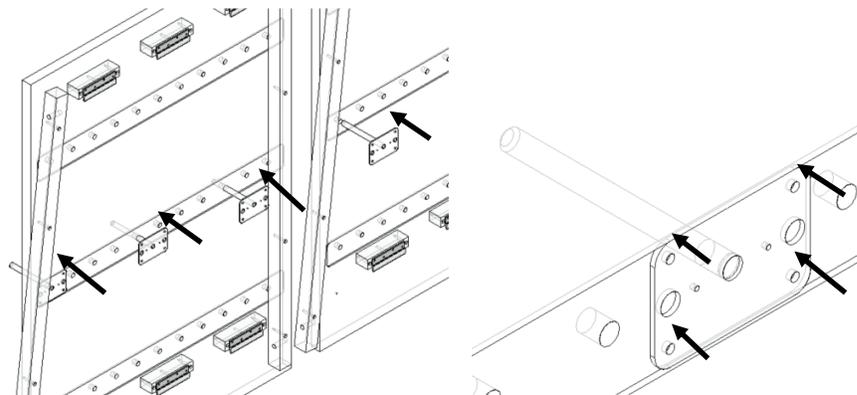


Figure D

Figure E- Screw brackets to the wall panel using four (4) #8 x 3/4" panhead screws per bracket

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THRU holes need to be bored through the wall on the far left and right brackets of the shelf to be a locator for the lock dowel onto the front of the wall panel. \*On shelf lengths of multiple of 12" the dowel pilot will be bored on the center side of the template of the shelf bracket plate. Other shelves will be bored on the edge side of the template.

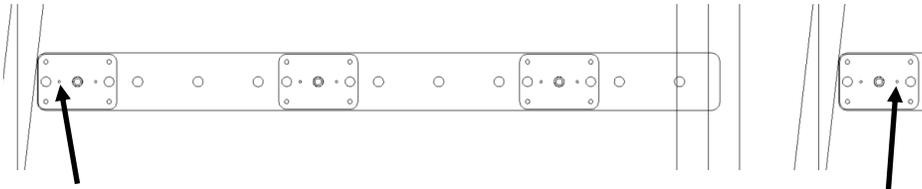


Figure F- Dowel bore location for 42" shelf

Use drill bit 3 mm or smaller for dowel pilot thru hole

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If the shelf is NOT lighted ignore this step. If the shelf is lighted the 1/2" hole on the bracket template on the opposite side as the dowel pilot hole was bored needs to be bored THRU on the far right bracket when looking at the back of the wall.

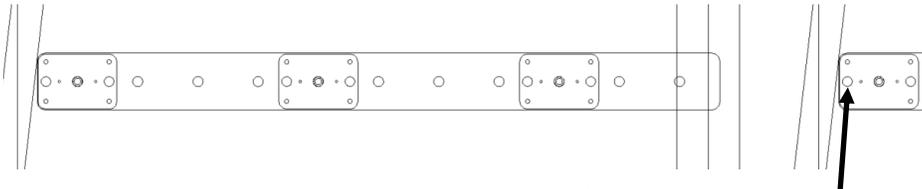


Figure G- Light bore location for 42" shelf

Use 1/2" drill bit for light pilot thru hole

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Review Steps #2-8 on the Tessera Wall Panel Assembly Instruction: **2917726,-**

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Use a 3/16" bit to make the pilot hole from step #5 larger and then screw in the lock dowels in the front of the wall panel.

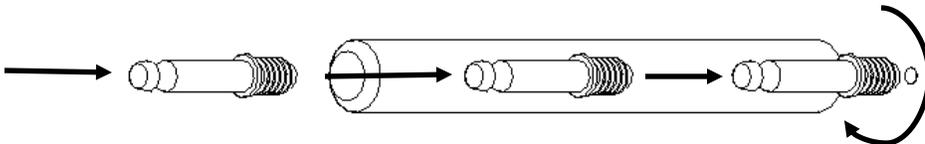


Figure H— Screw lock dowel into pilot hole by far left and far right shelf bracket

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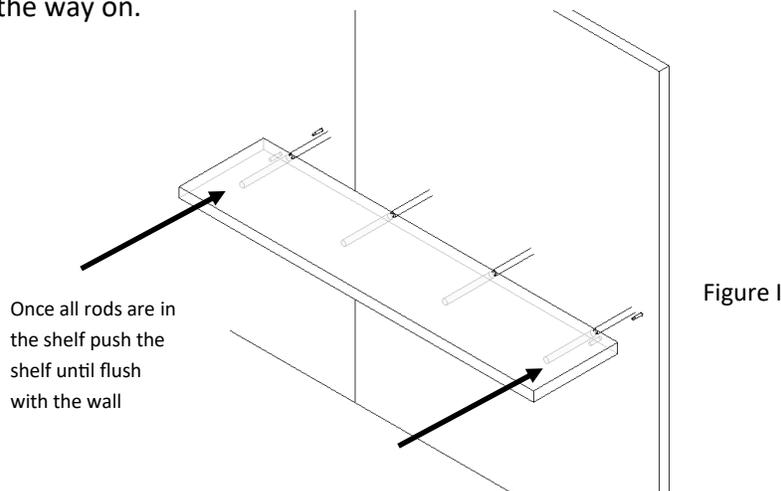
#### 9a: Regular shelf; 9b: Lighted Shelf; 9c: Sliding/Sliding-Lighted Shelf

**Note:** If the shelf is a larger size two people might have to be used to align the rods to the holes in the shelf and to push the shelf on with one installer at each end of the shelf.

**Note:** If the shelf won't go on all the way make sure the dowel installed in step #8 lines up with the insert in the shelf. Tap on the dowel until aligned.

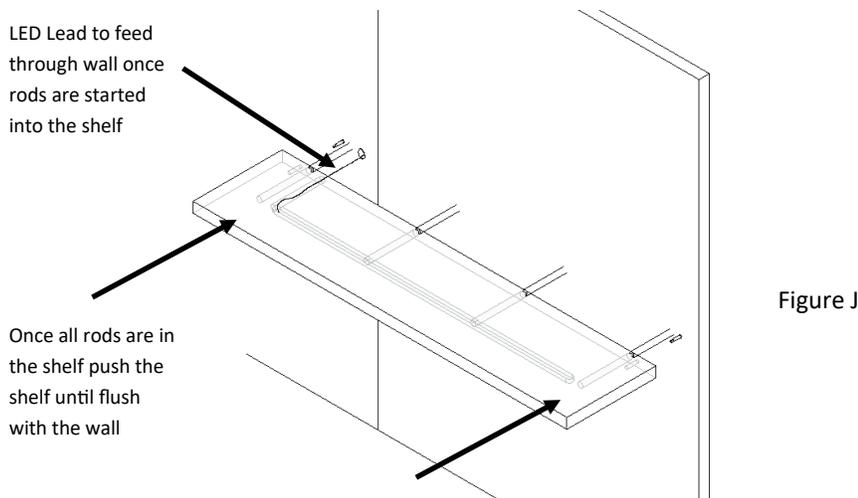
9a

Regular Shelf: Align the holes in the shelf to the shelf rods on the wall panel and get all rods started into the shelf and then push the shelf all the way on.



9b

Lighted Shelf: Make sure the route for the light strip is pointed down. Align the holes in the shelf to the shelf rods on the wall panel and get all rods started into the shelf. Then as the shelf is pushed on feed the light lead (straighten the kinks out of the cord) through the hole created in Step #6 until the shelf is all the way on and the light lead is hanging below the wall panel.



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9c

Lighted Shelf: Make sure the route for the light strip is pointed down.

Sliding Shelf: On the top shelf the sliding rail needs to be up. On the bottom shelf the sliding rail needs to be down.

Sliding-Lighting: Combine both of the above.

Align the holes in the shelf to the shelf rods on the wall panel and get all rods started into the shelf. Then as the shelf is pushed on feed the light lead (if lighted, straighten the kinks out of the cord) through the hole created in Step #6 until the shelf is all the way on and the light lead is hanging below the wall panel.

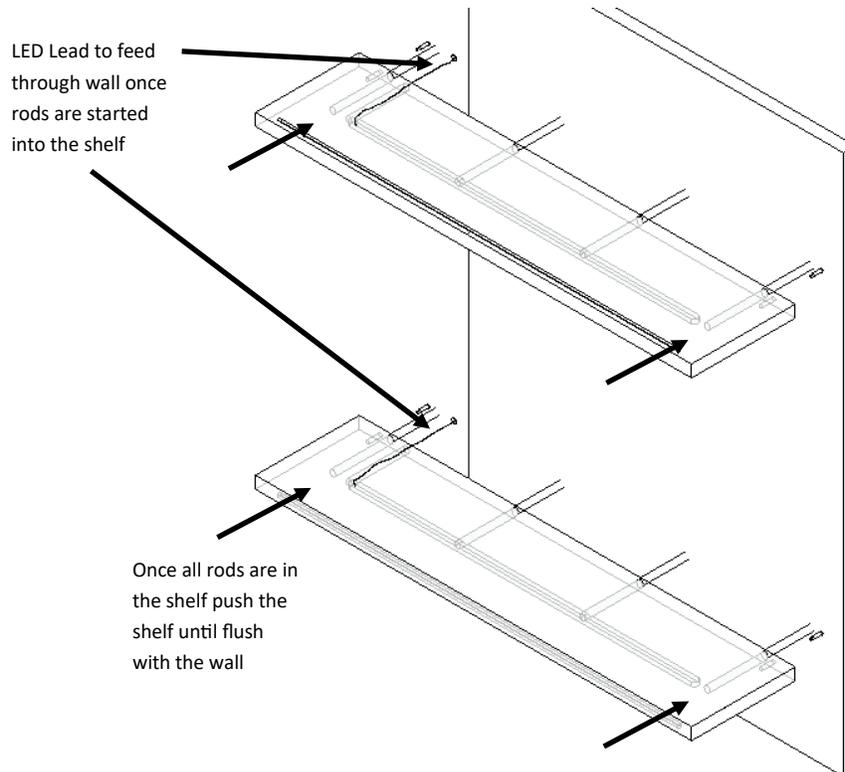


Figure K

**IF A LIGHTED SHELF OR LIGHTED/SLIDING SHELF WAS INSTALLED PLEASE CONTINUE. OTHERWISE, FOLLOW OTHER INSTRUCTIONS FOR COMPLETION.**

**I.E. AI 2916799 FOR SLIDING DOOR INSTALLATION IF SLIDING SHELVES WERE INSTALLED.**

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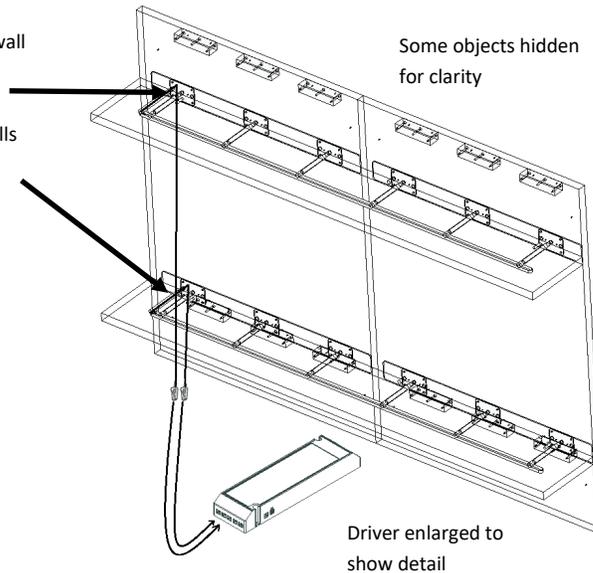
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Once the shelf or shelves have been installed then the lead to the lighted shelf needs to be plugged into the driver. There are 5 locations on the end to plug the lead into and one location by where the light switch will be plugged in.

LED Lead to feed through wall panel and shake down between the wall panel and architectural wall until it falls out the bottom of the wall

Some objects hidden for clarity



Driver enlarged to show detail

Figure L

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The switch will be installed on the side closer to where the driver will plug into the outlet. i.e. Outlet left of the wall then the switch will be installed in the far left wall blinder. The switch lead needs to be fed through the upper or lower hole on the blinder (Switch hole sticker will need to be removed off the preferred hole location of customer) and the lead connected to the driver.

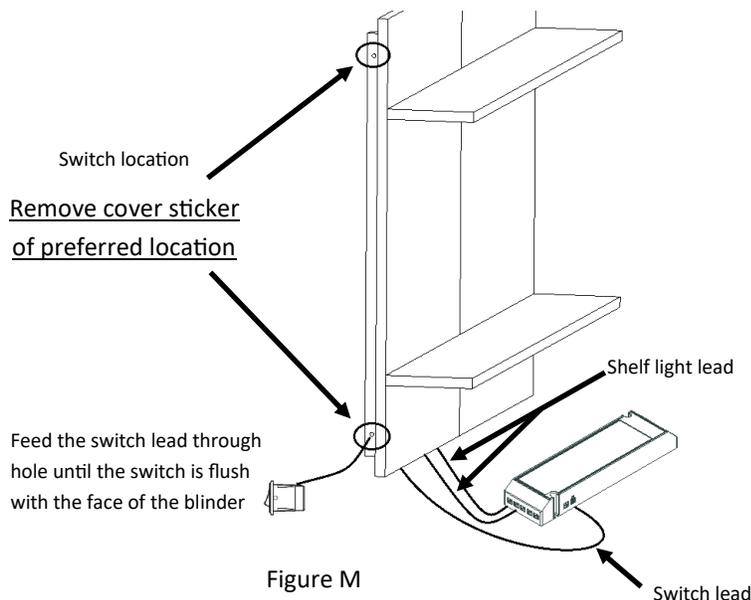


Figure M

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## Assembly Instruction

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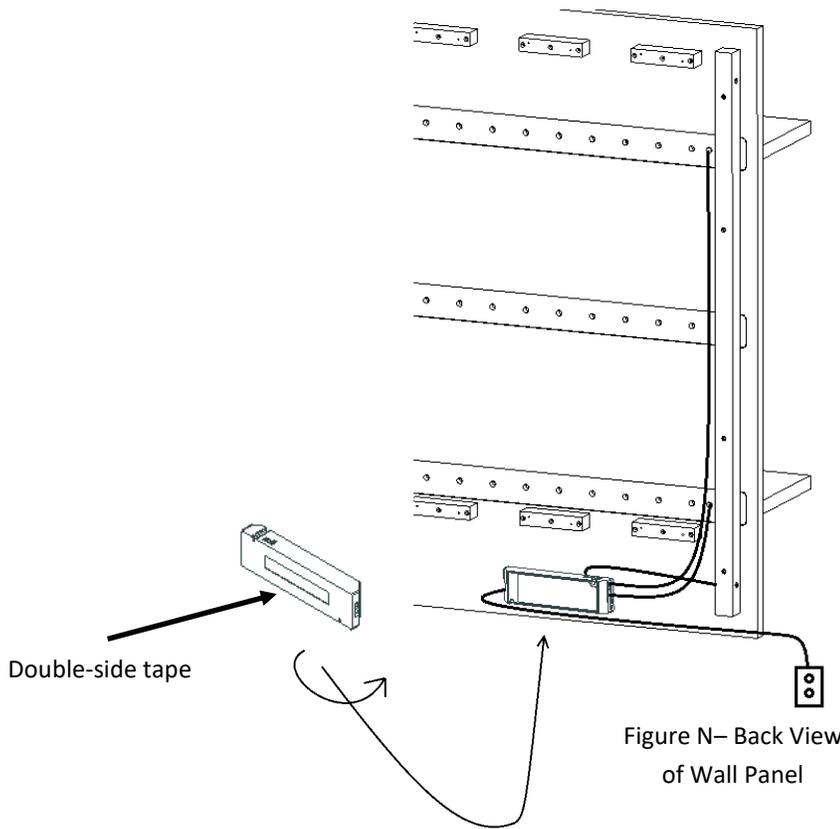
The driver will be double-sided taped to the back of the wall panel close to where the outlet is located.

**\*Before doing this plug in the driver and flip the rocker switch to make sure the LED lights turn on. If they do then unplug the driver and continue with the installation. If the lights don't turn on make sure in the shelf the positive side of the light is closest to the hinged side of the lead clasp. If that is correct, check to make sure everything is securely plugged into the driver. Lastly, make sure the total number of feet of light is less than 49'. If it is over 49' of light then a second driver will be needed for the lights to turn on properly.**

Put the non-taped side flush with the architectural wall and slide it up the wall until completely hidden behind the wall panel and then push it forward to bond the driver to the back of the wall panel.

**Note: Wires will need to be bundled, but not bent or pinched, and tucked behind the wall using double side tape as well.**

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