

INSTALLATION INSTRUCTIONS (REV A)

Recessed Mount Plasma

Installation

The Plasma must be in the vertical position for the Art Screen to work properly. Tilting of the Plasma is not recommended.

Referring to the table in this manual; determine the wall opening height and width.

Review Figures 6 through 7 for a set of possible installation scenarios.

Dry wall installation requires base support as shown in Figure 1. Additional supports to strengthen the base support should also be considered.

Determine ventilation concept for the plasma.

Determine I/O routing of the video/audio cables and AC power supply.

Place the main shell in the wall opening. Be sure the main shell is level; shims as required. Screw the shell to the wall.

Remove the Clamp Bar and the plasma stands.

Install the stands to the plasma. Place the fender washers in the channel to reduce slot size for tightening of the screws.

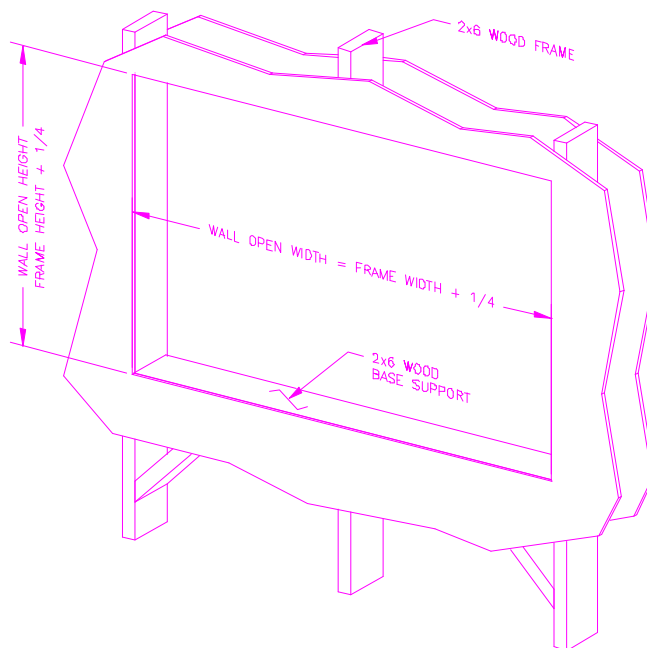


Figure 1
Wall Construction

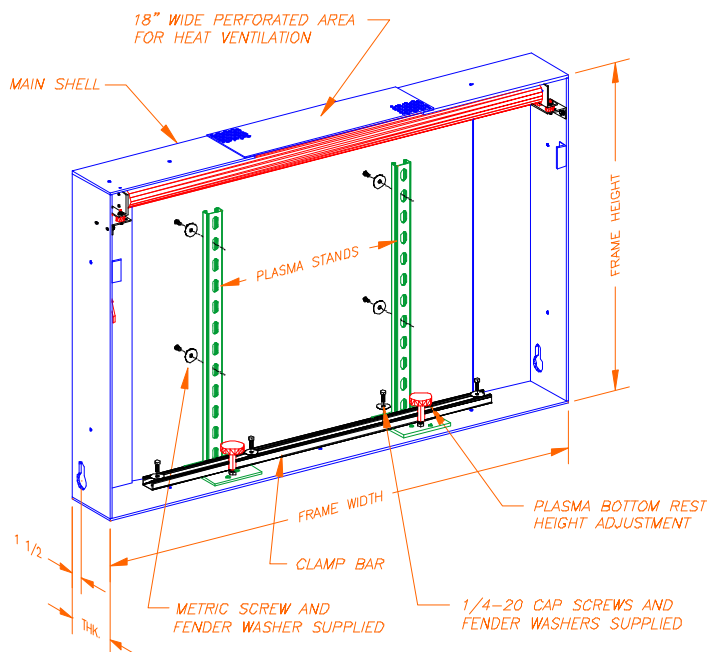


Figure 2
Main Shell Assembly

Do not tighten the screws. Place the plasma with the stands inside the main shell. Adjust the bottom rests to center the plasma in the vertical direction.

Bring the plasma and its stands outside of the shell; tighten the screws to secure the plasma to the stands.

Place the plasma back inside the shell. Make all necessary connections, i.e. video/audio cables, AC supply, etc.

Install the Clamp Bar. Do not tighten the screws.

Referring to Figure 4, position the plasma so that the bezel face of the plasma is approximately 1/2 to 5/8 inch behind the shell. This is the clearance required for the artwork to travel up and down.

The plasma must be centered in the shell on all sides. Verify and adjust as necessary. Tighten the screws of the Clamp Bar to secure its location.

It is wise to test the complete system at this time.

Finish the gaps between the main shell and the wall as required.



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Wood Frame Installation

A typical wood frame including the liner is approximately 5 inches wide to properly cover the assembly. The wood overhangs the main shell approximately 3/4 inch when attached.

Two corner woods are attached to the backside of the wood frame to take-up the weight.

The wood frame attaches to the main shell by two clips on the backside (see Picture Frame Installation and Removal Section) and hold in place by the ears of the main shell.

Electrical Connections

A dual AC outlet box is provided for 120VAC connection. Connect 120VAC to this box to power the TV and the IR remote control.

The Art Screen comes with IR remote control for operations. It is ready for use; no wiring connections are required.

Place the IR sensor so that it can be seen by the transmitter.

Plug the power cord to a 120VAC outlet.

The IR remote control has manual inputs for Home Automation systems, i.e. AMX, Crestron, etc. See IR remote control manual (included) for detail information.

The SPDT switch (Figure 3b) may be used for security purpose; its contacts may be connected to an audible alarm system or monitoring system. The breach of security will be activated when the wood frame is removed.

The normal states of the contacts are shown when the wood frame is not presented.

Contact Rating: 10Amp, 1/2HP, 125/250VAC or 6Amp, 30VDC.

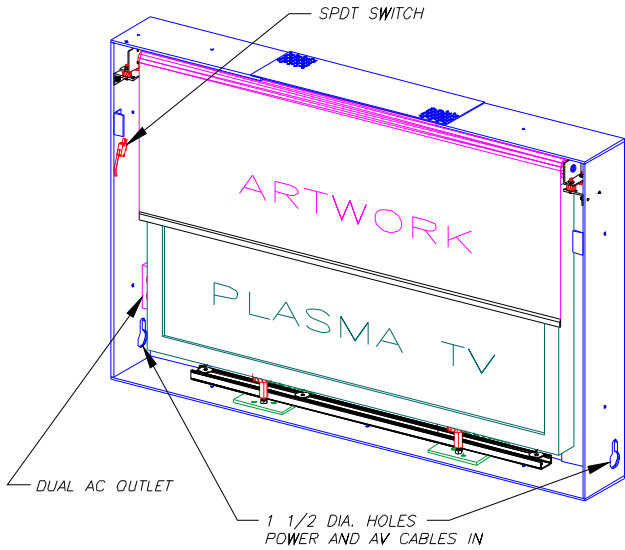


Figure 3a
Partial Assembly

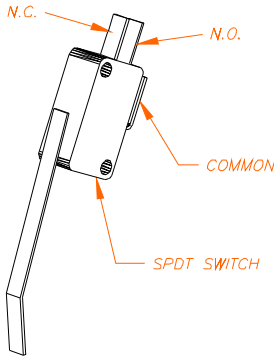


Figure 3b
SPDT switch

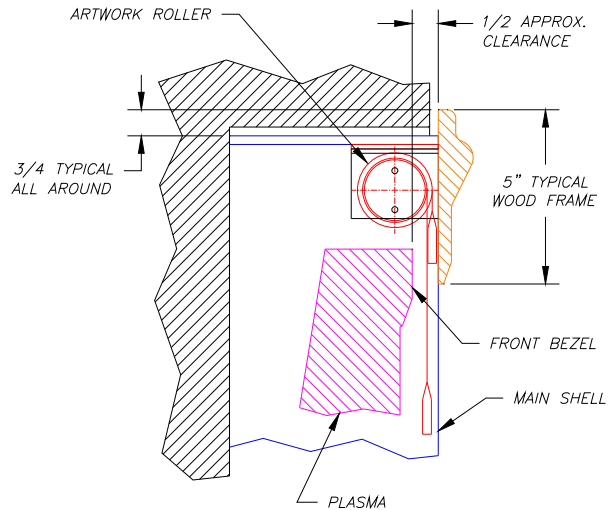


Figure 4
Side View



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Open and Close Limits Setting

The Open limit switch has been properly set for correct stop position. It should not be adjusted unless a change in the motor or the motor had been removed for service.

Note each full turn of the limit switch (360 degrees) causes the screen to travel approximately 1/2 inch.

1. **To lower the closed limit of the Art Screen.** Send the Art Screen down to its closed position. Turn the Close limit socket **counter-clockwise** (Figure 5); the Art Screen will advance downward as each full turn is made. Stop at the desired position.
2. **To raise the closed limit of the Art Screen.** Send the Art Screen down to its closed position. Determine the number of turns to stop the screen above the desired close limit. Turn the Close limit socket **clockwise** to raise the limit. The motor will not move for this direction.
3. Send the screen up halfway then stop. Send the screen down to its closed limit. The screen must stop above the desired position. If it is not, repeat step 2
4. When the Art Screen stopped above the desired closed limit; do Step 1 to set the desired closed limit.
5. Check and adjust the closed and open limits as necessary.

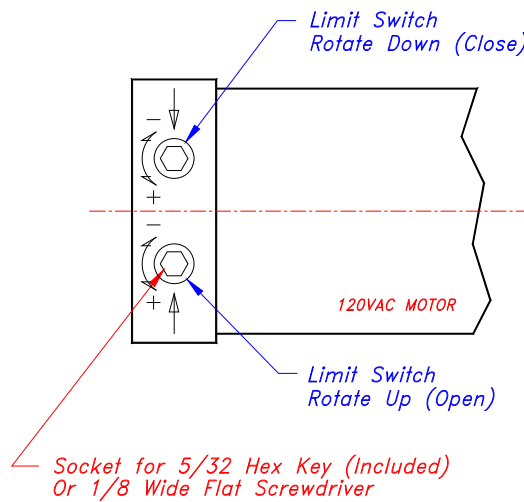


Figure 5
Motor Limit Switches



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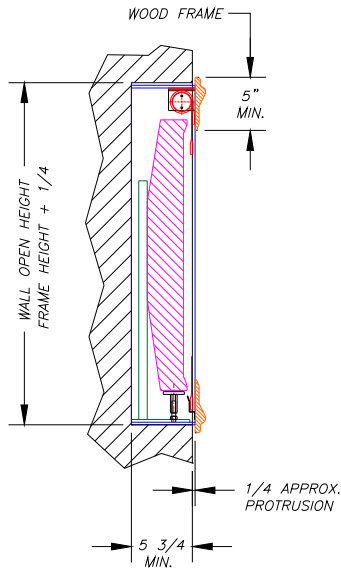


Figure 6a

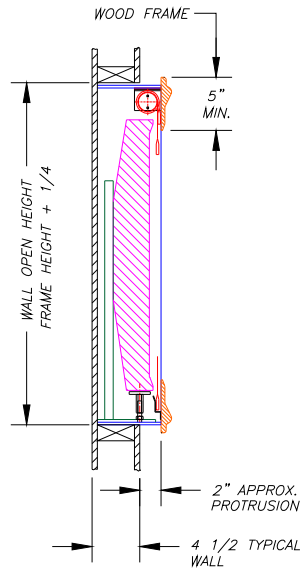


Figure 6b

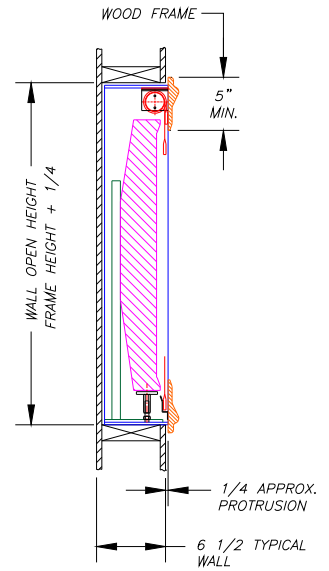


Figure 6c

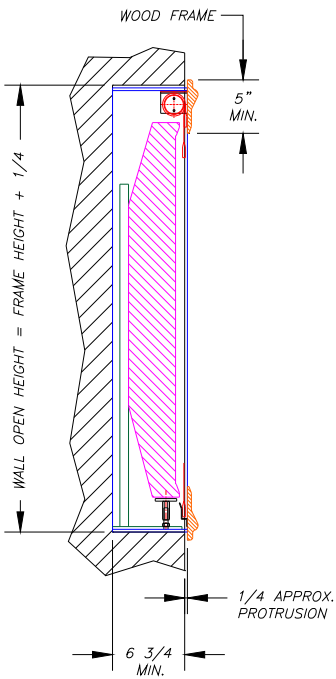


Figure 7a

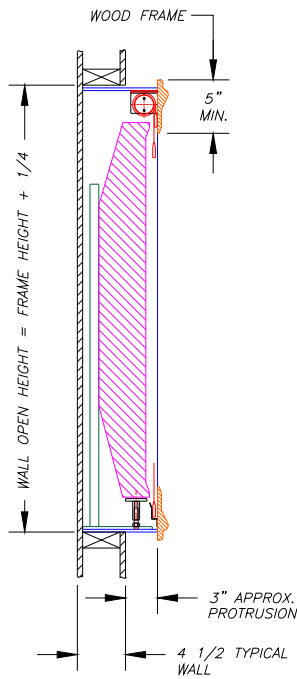


Figure 7b

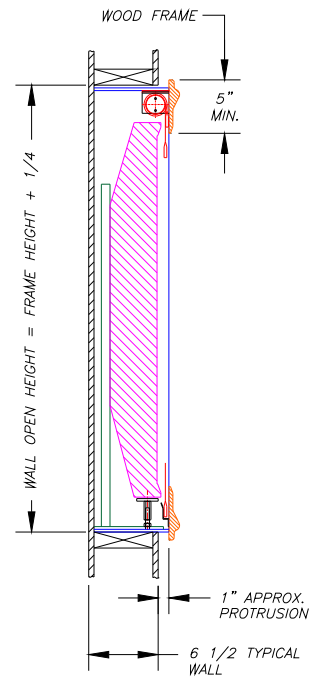


Figure 7c



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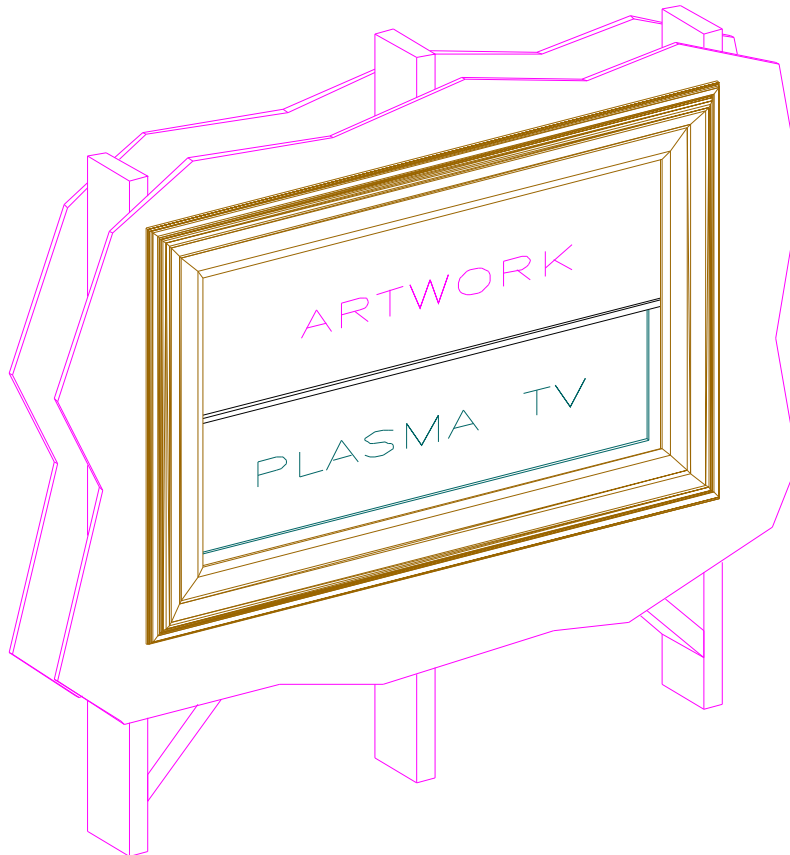
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Accessories Included

<u>Description</u>	<u>QTY.</u>
Frame Assembly including Artwork and Motor	1
Plasma Stand Assembly	2
Clamp Bar	1
Wood Frame (Complete)	1
IR Receiver in Box	1
IR Sensor (6 Feet Long)	1
IR Transmitter	1
AAA Battery	2
#8 x 1 1/2 Long, Truss Head Phillip Screw	10
4mm x 12mm Long Button Head Cap Screw	4
5mm x 12mm Long Button Head Cap Screw	4
6mm x 12mm Long Button Head Cap Screw	4
8mm x 12mm Long Button Head Cap Screw	4
3/16 Dia. Fender Washer	4
1/4 Dia. Fender Washer	8
5/16 Dia. Fender Washer	4



Limit Switch Setting Tool 1

Figure 8
Complete Art Screen Installation



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PICTURE FRAME INSTALLATION & REMOVAL WITH SLIDING CLIPS

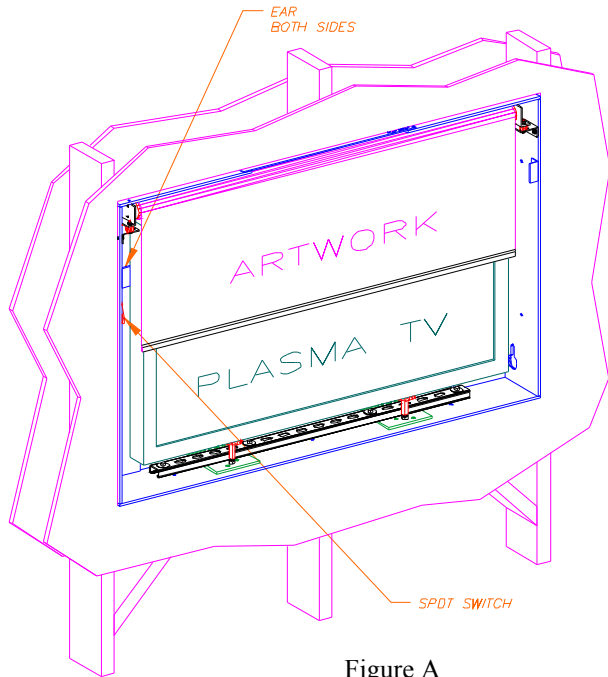


Figure A
Installed unit without picture frame

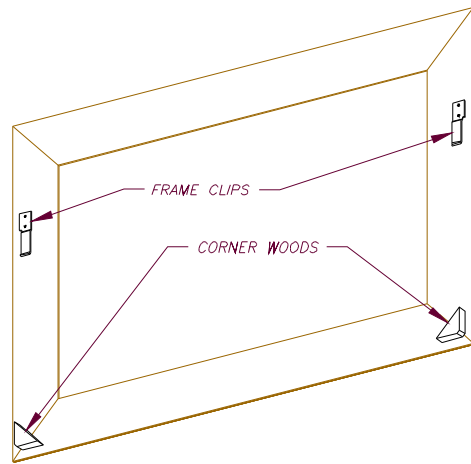


Figure B
Backside of picture frame

The backside of the picture frame is in full contact with the front edges of the metal frame. Position the two corner woods and clips to be guided by the vertical edges of the metal frame. Carefully pushes down (Figure C2) on the picture frame to set it in place. Corner woods will make slight noise when they are bottom out to the metal frame. Push up picture frame (2 inches approx.) to remove.

A SPDT switch is provided for security connection (optional). Contact rating: 10A, 1/2HP, 125/250VAC or 6A, 30VDC

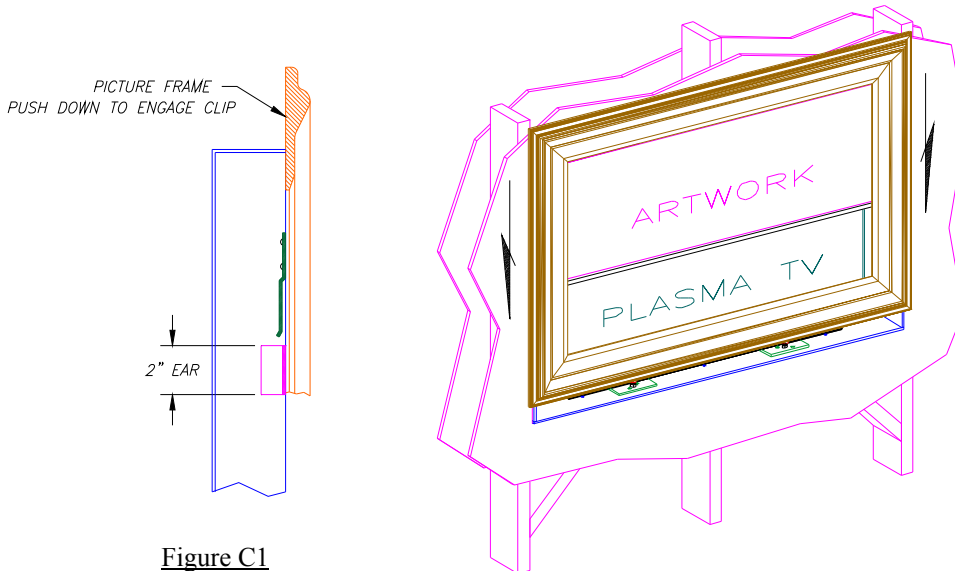


Figure C1
Frame clip and ear prior to engagement

Figure C2
Picture frame pushes down

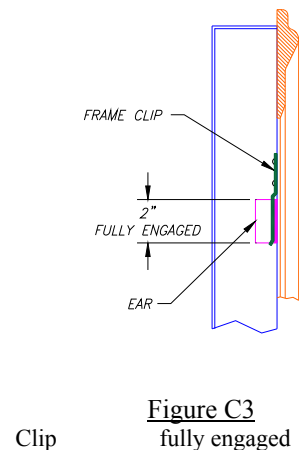


Figure C3
Clip fully engaged



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ART ROLLER INSTALLATION

Vutec has made a significant improvement to control and reduce the vibration noise level associated with the art roller motor.

The art roller motor is now shipped uninstalled to protect the four vibration dampers imparted in the design.

The following steps show how to install the art roller to the art screen unit.

Note: Installing the art roller motor must be the last thing to do! Therefore, the metal frame, the Plasma TV and its mounting location must have been installed, adjusted and checked to satisfaction before proceeding with the art roller installation.

- Step 1** Carefully remove the plastic wrapping. Locate two #8-32 machine screws and flat washers for used. There should be a layer of paper protecting the art roller. Do not remove the paper until the art roller has been installed and secured properly. The paper keeps the art print clean for final revelation.
- Step 2** Referring to Figure D, insert the art roller into the idler bracket at angle as shown. Rotates and guides the art roller into place such that it sits on the motor bracket as shown in Figure E.
- Step 3** Use #8-32 by 3/8 inch long machine screws to secure the art roller in place (Figure F). Do not over-tighten the screws.
- Step 4** No placement adjustments are necessary because the location of the idler bracket has been determined and it remained on the metal frame for this purpose.
- Step 5** Connect the motor cable to the IR control box.
- Step 6** Remove the masking tapes and the protective paper. The art roller is ready for operation!

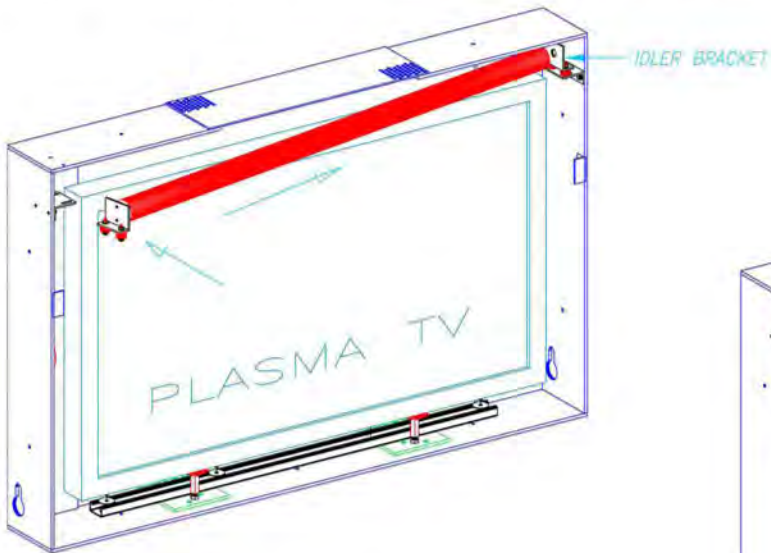


Figure D
Art roller insertion

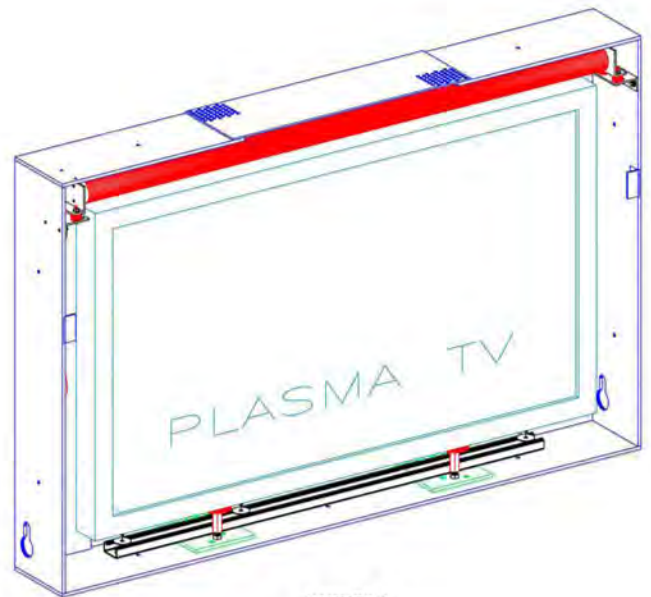
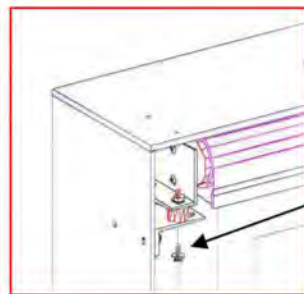


Figure E
Art roller in place



#8-32 x 3/8 long machine screw
2 required. Do not over-tighten.

Figure F
Screw attachment

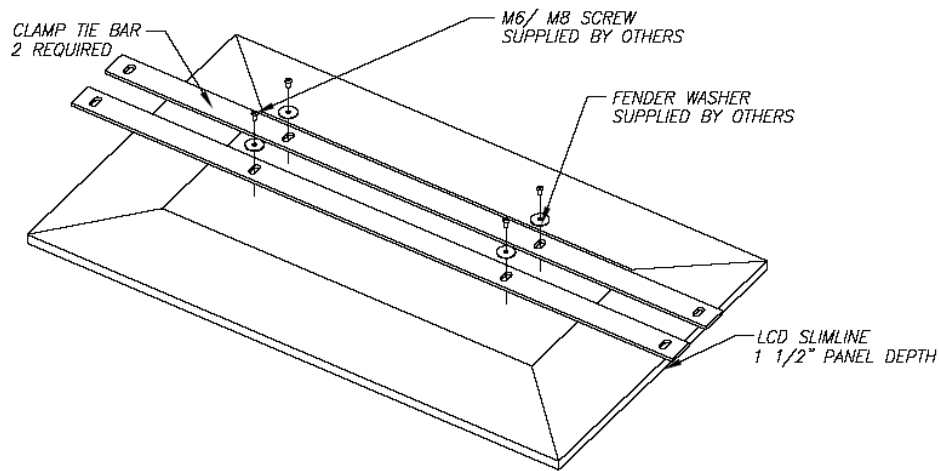


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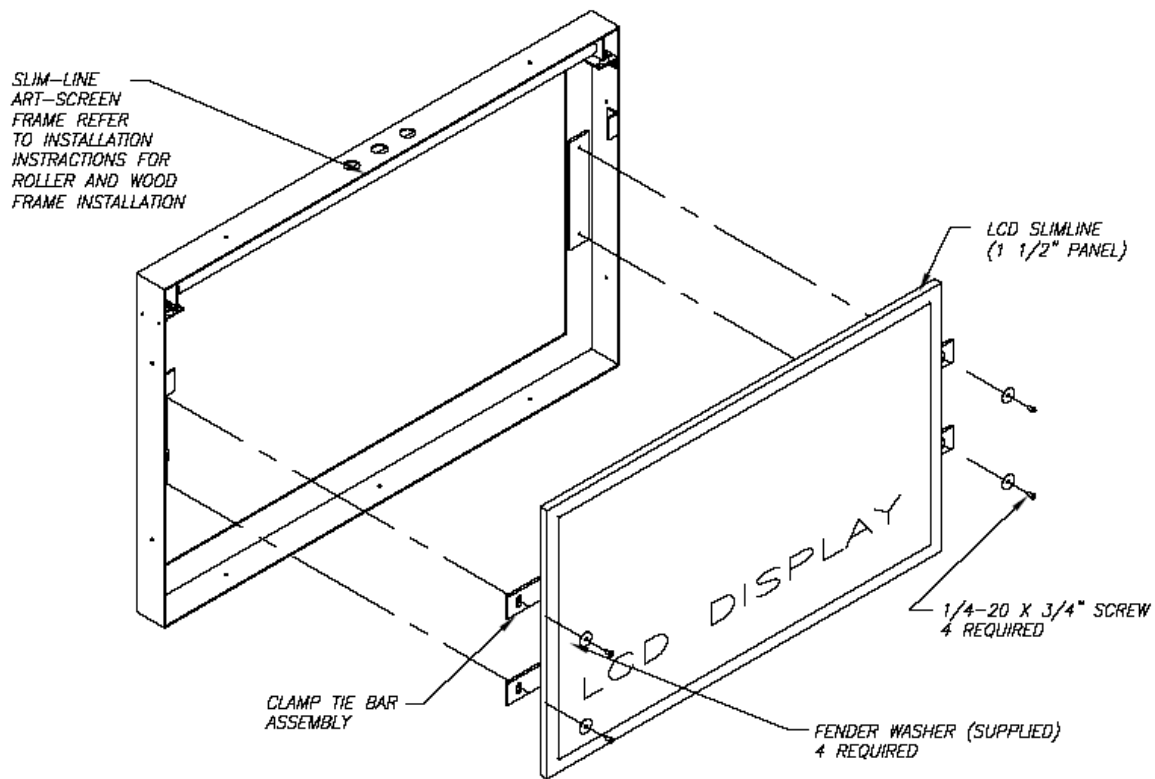
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DISPLAY PANEL REAR VIEW



DISPLAY PANEL WALL INSTALLATION

ASSEMBLY INSTRUCTION (LCD SLIM LINE 1 1/2" PANEL DEPTH)

1. PLACE THE PANEL FACE DOWN ON A CLEANED AND FLAT SURFACE LINEUP THE CLAMP BAR SLOTS WITH THE MOUNTING HOLES ON REAR OF THE DISPLAY PANEL, ADJUST AS REQUIRED
2. SECURE THE CLAMP TIE BAR (HARDWARE NOT SUPPLIED) DO NOT OVER TIGHTEN ROTATE THE ASSEMBLY UPRIGHT POSITION AND CHECK FOR PROPER ALIGNMENT AND ADJUST AS NECESSARY.
3. REPLACE EXISTING IEC POWER CORD WITH THE (VUTEC SUPPLIED) NEMA 5-15 ROTATING UNIVERSAL IEC POWER CORD PRIOR TO PROCEEDING TO INSTALL THE LCD DISPLAY
4. THE LCD DISPLAY SHOULD BE EQUALLY SPACED WITHIN THE INTERNAL FRAME PERIMETER LINEUP THE TIE CLAMP MOUNTING SLOTS WITH THE APPROPRIATE THREADED HOLE AS ILLUSTRATED BELOW AND FASTED WITH USING SUPPLIED HARDWARE.