

Hanger Bar Application

ABC's "Easy Sheet" series on building extruded aluminum sign frames - 1/01

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ABC Sign Products has designed four of its frames to accommodate flexible OR rigid sign face materials. We call them "Double-Duty" frames. This is an important development, as it reduces a sign company's parts inventory and makes each one of these frames much more versatile and economical.

For the Access frames (Large and Small A/Flexframes), we made this possible by developing a unique plastic Hanger Bar, (fig. 1). It is made of modified acrylic, similar to DR, extruded in 16' lengths. It is extremely tough and can be soak cemented to acrylic faces, or can be drilled and riveted to polycarbonate faces, or any other rigid face material.

The new VHB tapes are also an excellent way to mount the extruded hanger bar to any rigid face material.

Perhaps there is nothing as important as a strong, straight, continuous hanger bar to help prevent plastic face blow-outs or breakage. The corresponding hanger bar of the frame system, to which the face is hung, is extremely important as well.

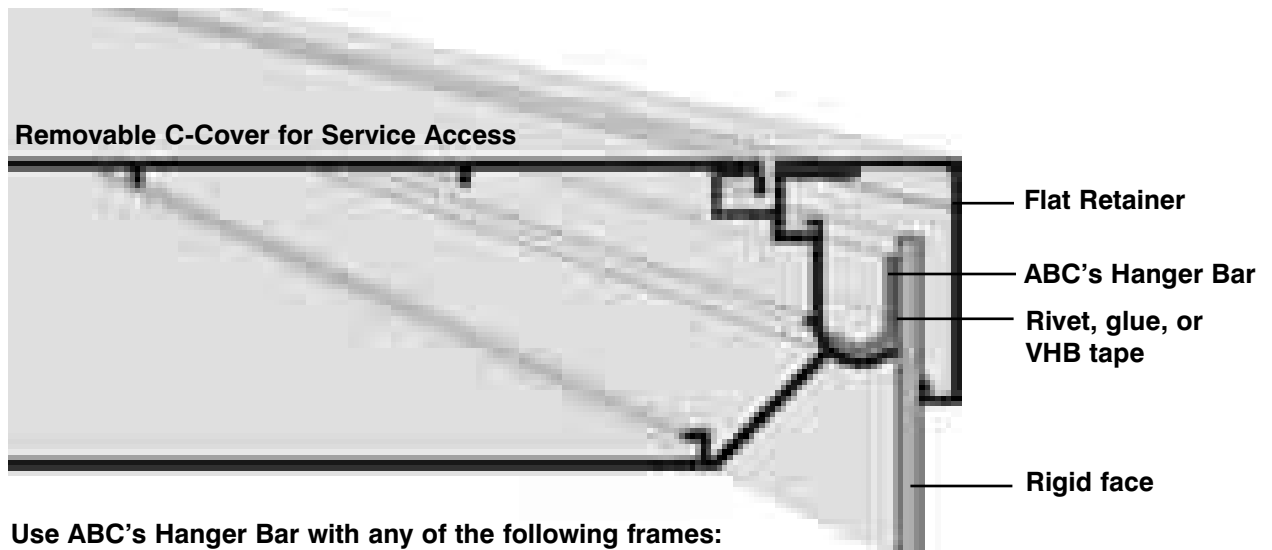
ABC Sign Products was the first to develop the hanger bar as part of the frame instead of the retainers. In fact, this is an important feature of the patents.

By incorporating the hanger bar as part of the main frame of the sign, it becomes extremely strong and stays straight. If the frame is built with adequate truss-cables or rods, and struts to tie the top and bottom frame members together, plastic face breakage and blowouts can be virtually eliminated.

Another important fact learned over the years is that the plastic face hanger should be continuous, without a break the full length of the face. Considering the labor costs of manually fabricating acrylic strips, cementing the lamination with mismatched joints, our new Hang Bar is a time and money saver as well an improvement in sign technology.

Use ABC's Hanger Bar to hold rigid face properly in the Type I and Type II Conventional Frames also.

The curved saddle section of the frame which also accepts ABC's flexible face tensioning system, offers improved support of rigid faces.



Use ABC's Hanger Bar with any of the following frames:

- Large A/Flexframe**
- Small A/Flexframe**
- Type I Frame**
- Type II Frame**

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The parts described on this page are covered by one or more of the following patents:
U.S. 4,007,552 4,265,039
CANADIAN 1,021,565 1,149,159 1,170,048 1,170,049 1,170,050

