

Typical rack outline, cross reference form and bussing drawings are shown in Figure 3-21. Refer to drawing aids in Westinghouse Descriptive Bulletin 16-350. Mylar masters are available in three sizes: 9-position, 18-position and 27-position.

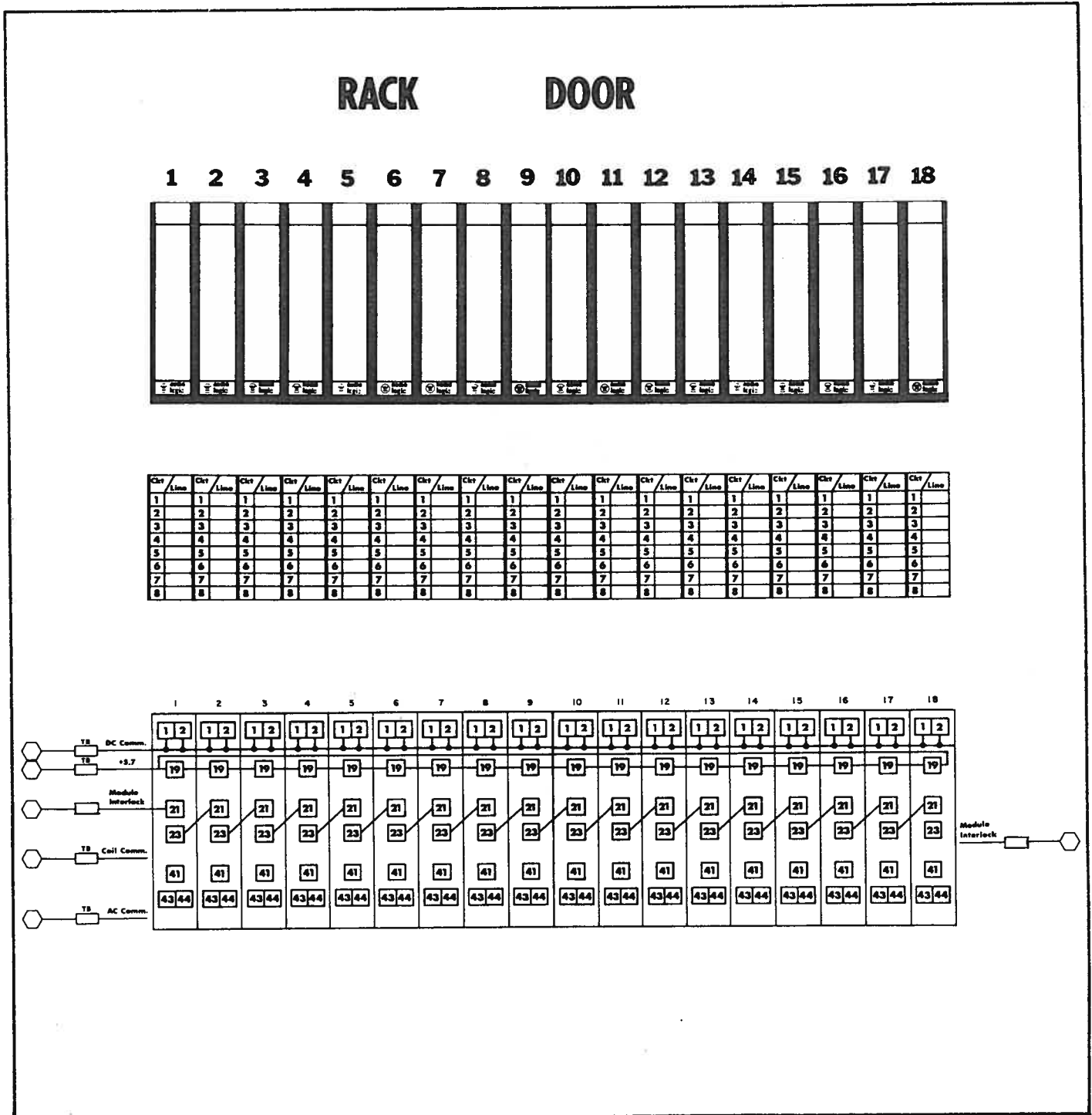


Figure 3-21: Typical rack outline, cross reference form and bussing drawing.



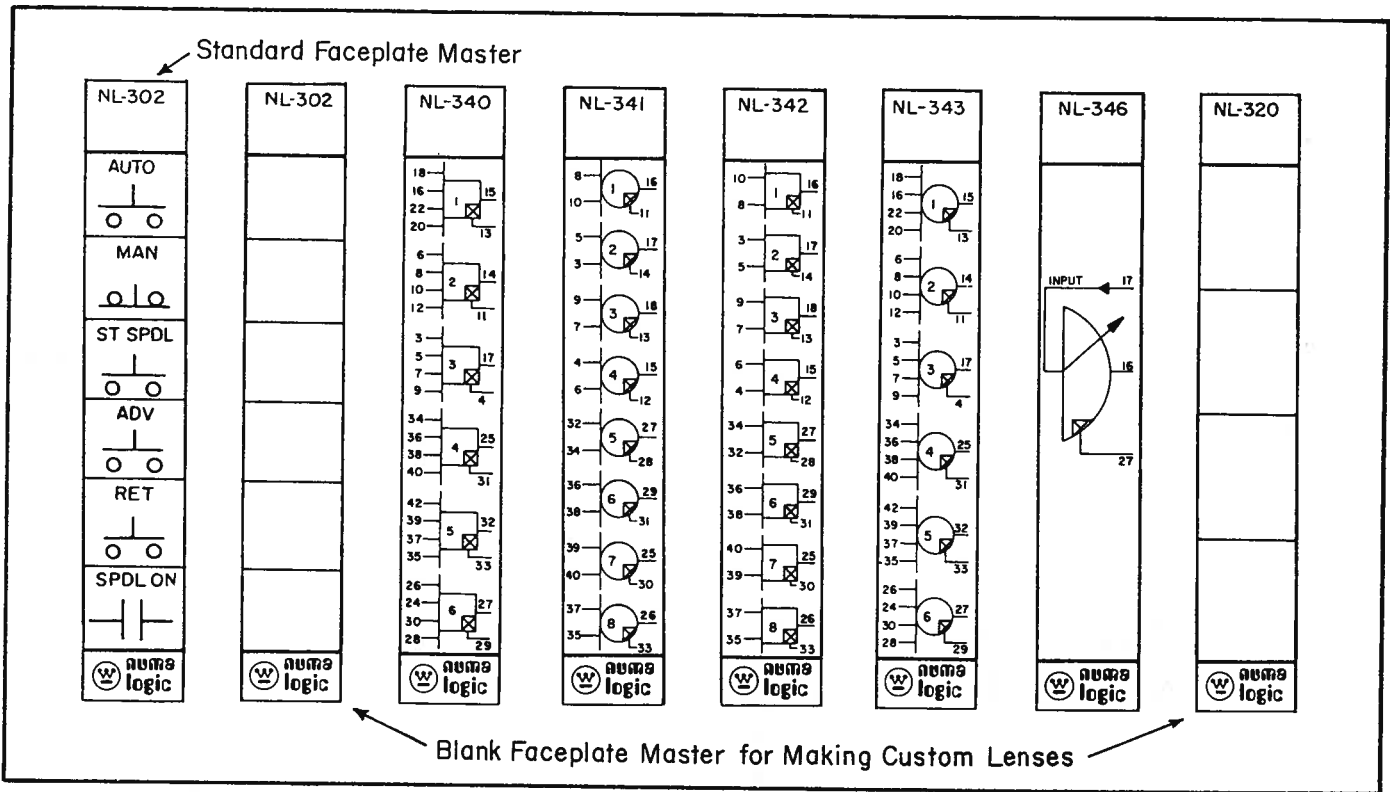


Figure 3-22: Typical faceplate Mylar masters.

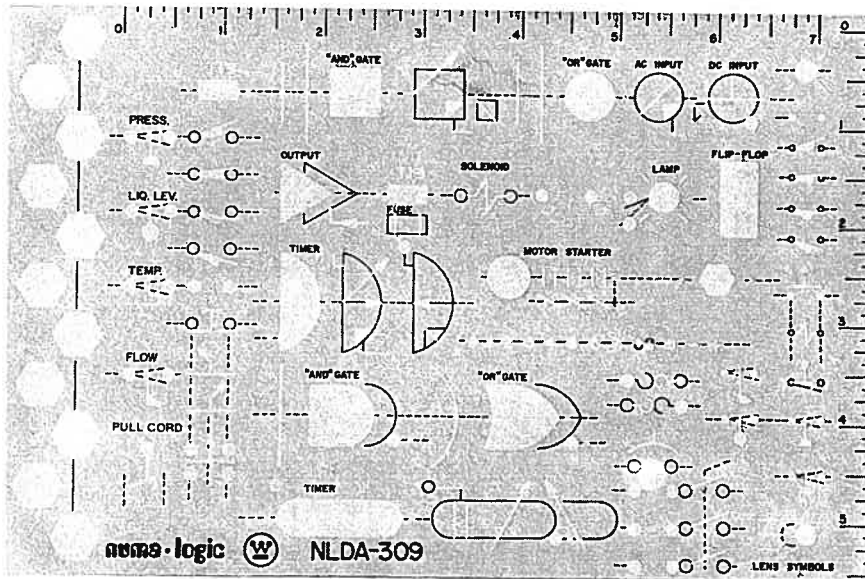


Figure 3-23: Control symbol drawing template.

Typical Mylar faceplate masters are shown in Figure 3-22. These are used to fill in the rack layout drawing. They are full size and match the rack layout drawing. Each strip contains all the circuits in one module. Strips are available for each type of solid state device in the Numa-Logic 300 Series product line. ANSI

Y32-14 symbols are also available. Note that the connection numbers are included on each symbol. Blank faceplate masters are available for making custom lenses for the input and output modules to facilitate machine troubleshooting.

The control symbol drawing template shown in Figure 3-23 is particularly useful in drawing the logic and devices used on the schematic when the decals are not used. This template also is helpful in making custom module faceplates.

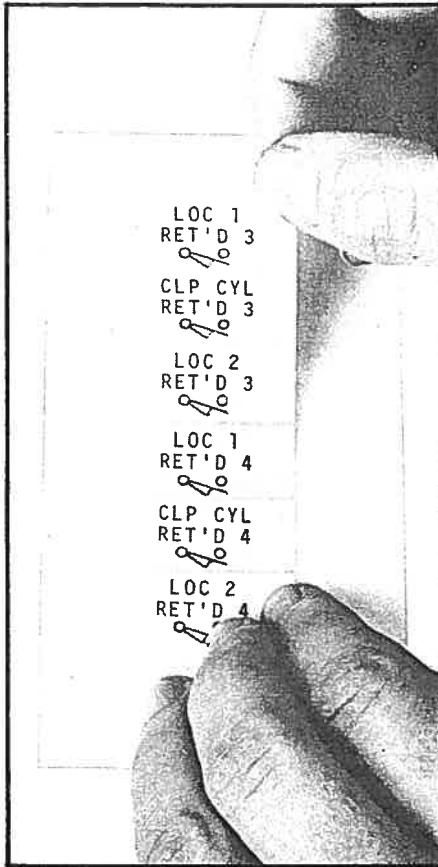


Figure 3-24: Attaching faceplate art to reproducible Mylar.

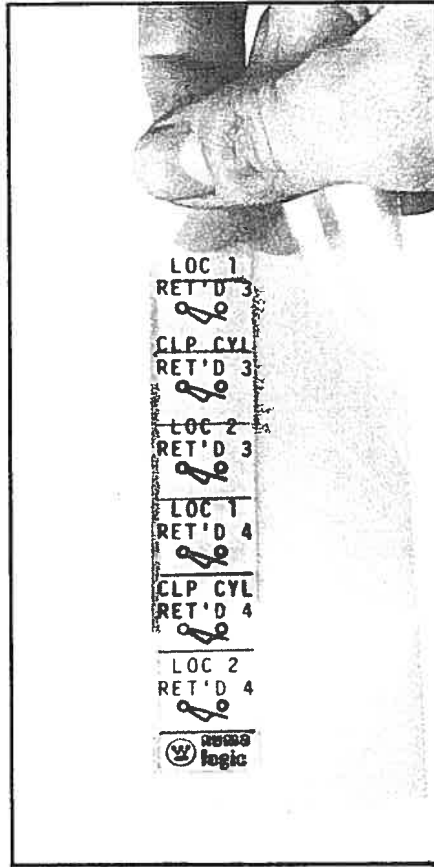


Figure 3-25: Attaching completed Mylar print to blank faceplate lens.

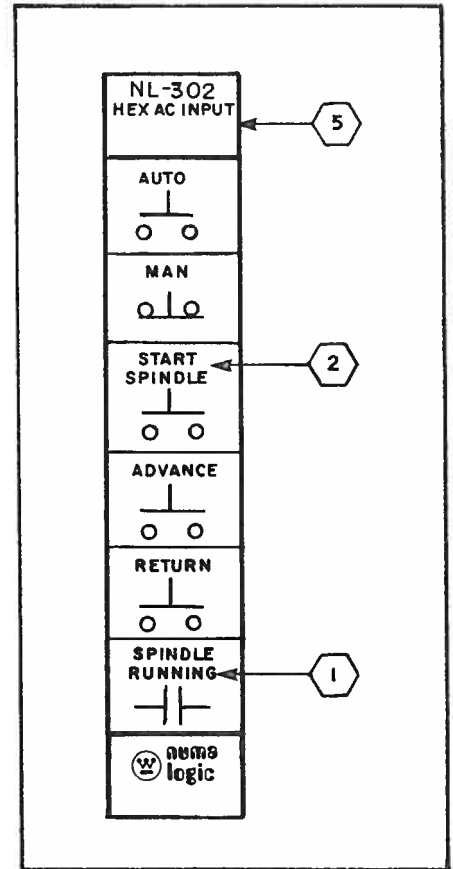


Figure 3-26: Typical custom lens.

Making custom module faceplates

The standard faceplate lenses furnished with Numa-Logic 300 Series input and output modules are hot stamped with solid state input and output symbols. Troubleshooting of exterior inputs and outputs is sometimes simplified if the lenses are printed with custom control symbols for the inputs and outputs. Such lenses can be ordered special from Westinghouse, but it's quite simple and less costly to make your own.

The key ingredient is photosensitized, pressure-sensitive, black-line Mylar. The original pencil faceplate drawing may be used as the master art, or special art on transparent paper can be prepared. Order blank faceplate lenses for the input and output modules instead of the standard lenses.

The procedure is simply to attach the full size faceplate art to a piece of the reproducible Mylar and develop in a standard ammonia-type blueprint machine as if it were a standard brown line drawing. The Mylar prints are then cut apart and each piece is attached to a blank faceplate, using the Mylar's pressure sensitive backing. See Figures 3-24 and 3-25.

The amount of information that will fit on the custom lens is limited to the following (See Figure 3-26):

1. Seven characters maximum per line.
2. Three lines or two lines with symbol on input lenses.
3. Four lines or three lines with symbol on output lenses.
4. Lines can be above or below symbol.

5. Space immediately below the module number is available for identification.

