



$$a = (250 - \cos \Theta) - 75$$

$$b = (1/2 \text{ Bottom Flange Width}) (\tan \Theta)$$

$$c = (1/2 \text{ Web Thickness}) (\tan \Theta)$$

$$A = a + b$$

$$B = a + c$$

$$C = a - c$$

$$D = a - b$$

NOTES:

1. IF $D < 50$ USE LARGER DIAPHRAGM.
2. A MINUS B AND C MINUS D SHOULD BE MADE EQUAL

* THIS DIMENSION WILL INCREASE OR DECREASE SLIGHTLY IF ENDS OF BEAMS ARE NOT VERTICAL. SEE SECTION 63-12.0 FOR ADDITIONAL INFORMATION.

I-BEAM HOLES AT PIER DIAPHRAGM

Figure 63-16G