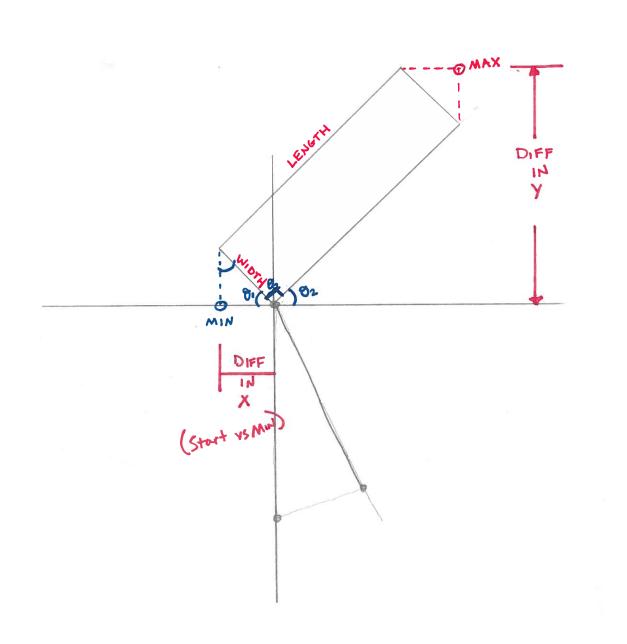


WIDTH 12.5 LENGTH 32.75 (MIN) DIFF IN X 8.84 (MAX) DIFF IN Y 32.0



$$Cos\theta_{1} = \frac{D_{1}FF_{1}NX}{W_{1}DTH} (M_{1}N)$$

$$Cos\theta_{1} = \frac{8.84}{12.5}$$

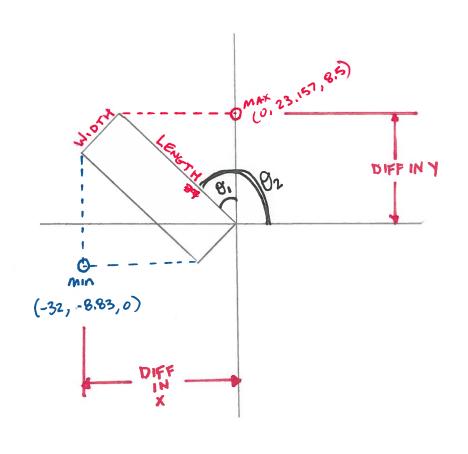
$$\theta_{1} = \cos^{-1}(0.7072)$$

$$\theta_{1} = 45 \checkmark CHECKED AGAINST MODEL$$

CHECKED AGAINST MODEL

SINCE THE MODULE HAS A RIGHT ANGLETHAT DIVIDES THESE ANGLE THEY MUST BE THE SUM OF 90.

 $\theta_2 = 90 - \theta_1$



$$\cos \theta_{1} = \frac{D_{1}FF_{1}NY_{1}(MAX_{2})}{LENGTH}$$

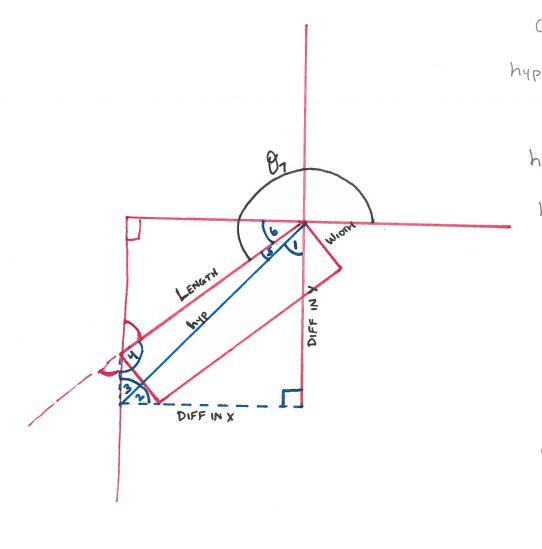
$$\cos \theta_{1} = \frac{23.157}{32.75}$$

$$\theta_{1} = \cos^{-1}(0.707_{2})$$

$$\theta_{1} = 45 \quad \checkmark \text{ CHECKE D AGAINST MODEL}$$



12.5 WIDTH 32.75 LENGTH (MIN) DIFF IN X 23.16 (MIN) DIFF IN Y 32.00



B7=180+ 06 P7=180+45 Ø7 = 225 V CHECKED AGAINST MODEL

Cos(Oi) = DIFFINY OI = TAN-1 (DIFFINX) (MIN)

(MIN) hyp * $Cos(\theta_1) = DIFFINY$ $\theta_1 = TAN^{-1} \left(\frac{23.16}{32.00} \right)$ 0, = TAN-1 (0.72375) hyp = DIFFINY Cos(Oi) \$\text{0}_1 = 35.895° \rightarrow CHECKED AGAINST hyp= 32,00 hyp = 39.50 \checkmark CHECKED θ_z = 90-35.895

AGAINST MODEL θ_z = 54.105° \checkmark CHECKED AGAINST MODEL $\theta_5 = 180 - \theta_3 - \theta_4$ Supplement $\theta_{5}=180-35.895-135.00$ $\theta_{3}=90-54.105$ O5= 9.105 V CHECKED O3 = 35.895° V CHECKED AGAINST MODEL
MODEL $\theta_{6} = 90 - \theta_{5} - \theta_{1}$ $\frac{\text{LENGTH}}{\sin(\theta_{3})} = \frac{\text{hyp}}{\sin(\theta_{4})}$ $\theta_6 = 90 - 9.105 - 35.895$ $\sin(\theta_4) = \frac{hyp * sin(\theta_3)}{L = N6TH}$ $\theta_6 = 45$ CHECKED

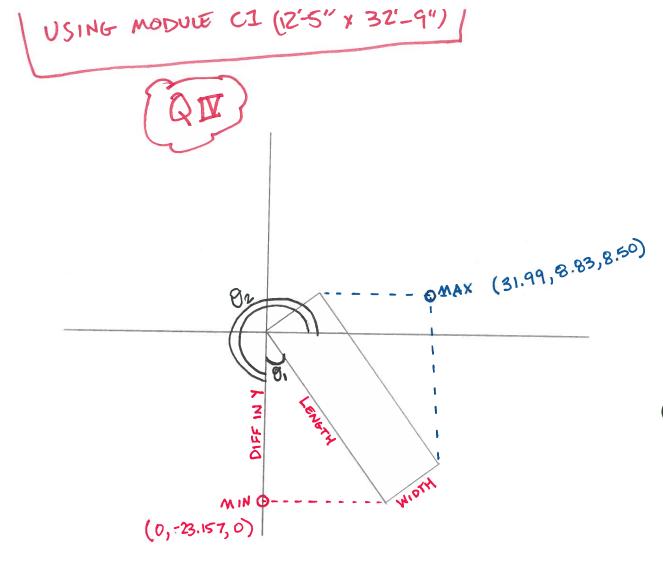
AGAINST

MODEL $\theta_4 = \sin^{-1}\left(\frac{h_4p * \sin(\theta_3)}{LENGTH}\right)$ $\theta_4 = 51n^{-1} \left(\frac{39.50 \pm 0.5863}{32.75} \right)$ The sin of an obtuse $\theta_y = \sin^{-1}(0.7071)$ angle is equal to
that of its supplement 04 = 45.00 X

Here weare getting the supplement 135.00 = Supplement

hyp = 39.5 03: 35.895"

LENGTH = 32,75



(MAX) DIFFINY 23.16

$$\cos \theta_{1} = \frac{\text{DIFF IN Y}(MIN)}{\text{LENGTH}}$$

$$\cos \theta_{1} = \frac{23.16}{32.75}$$

$$\theta_1 = \cos^{-1}(0.7017)$$

