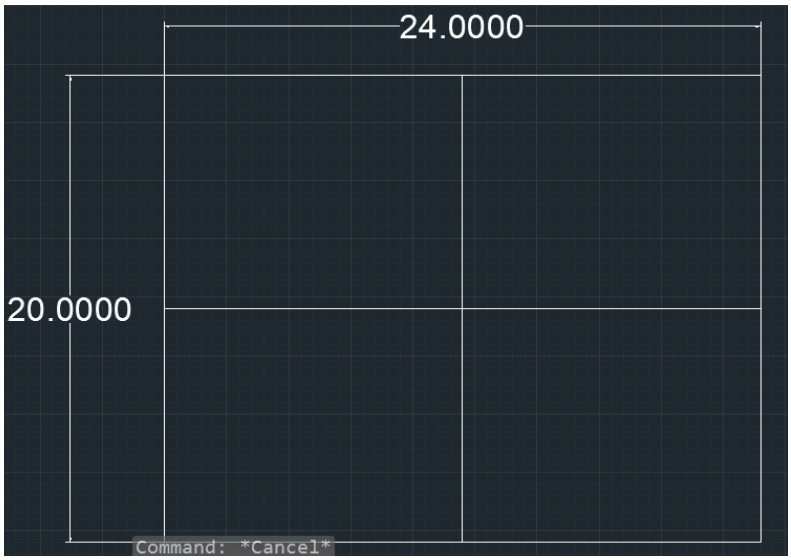
EAST WEST UNIVERSITY

Course Name: Computer-Aided Engineering Drawing
Course Code: CSE200
Instructor: Md. Khalid Mahbub Khan
Lecturer
Department of CSE

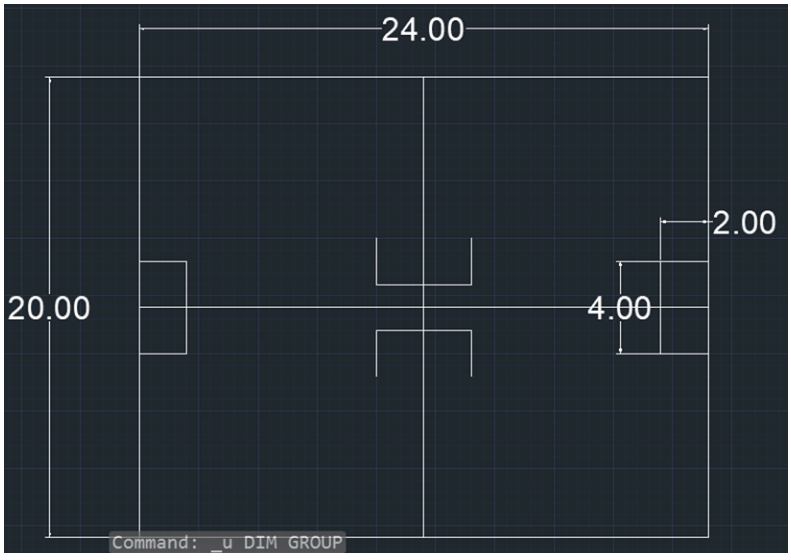
Lab Topic: V-Block

Mim Bin Hossain (UTA)

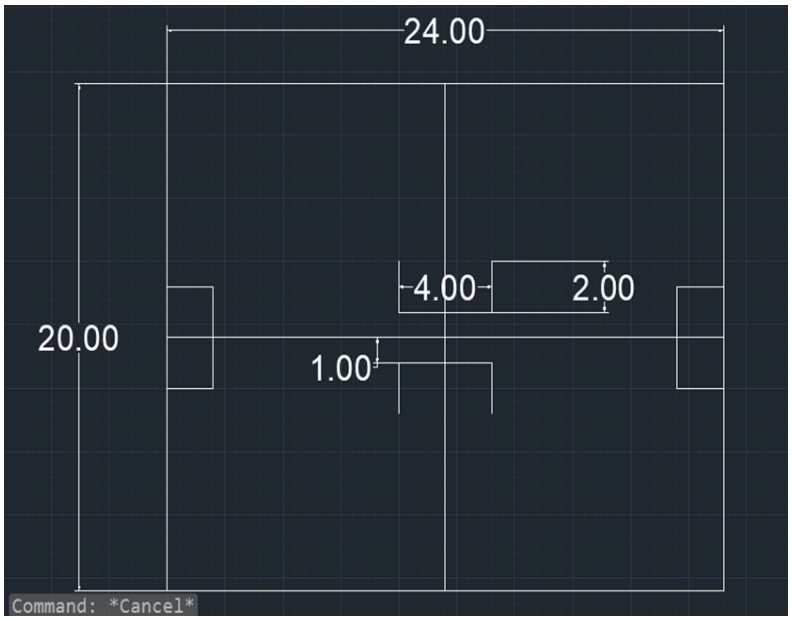
Step_01:



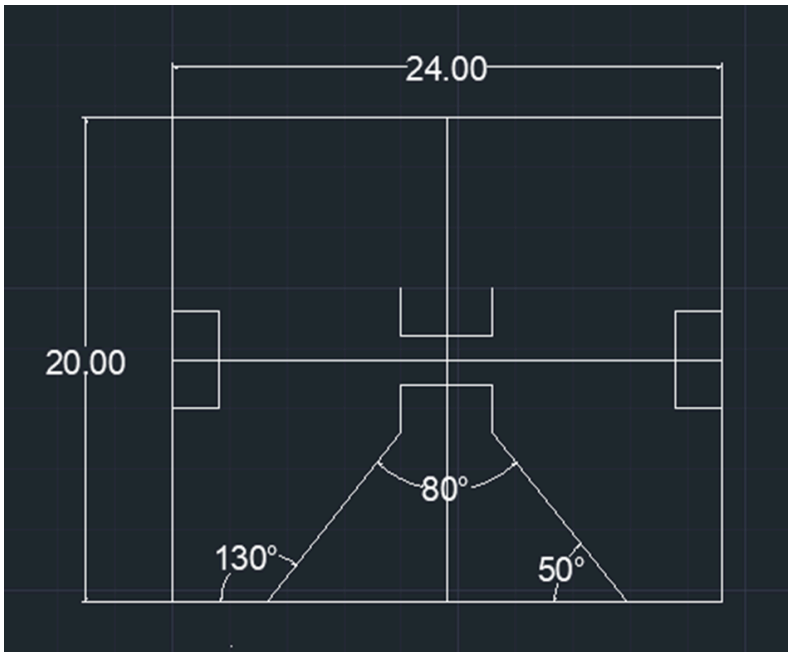
Step_02:



Step_03:

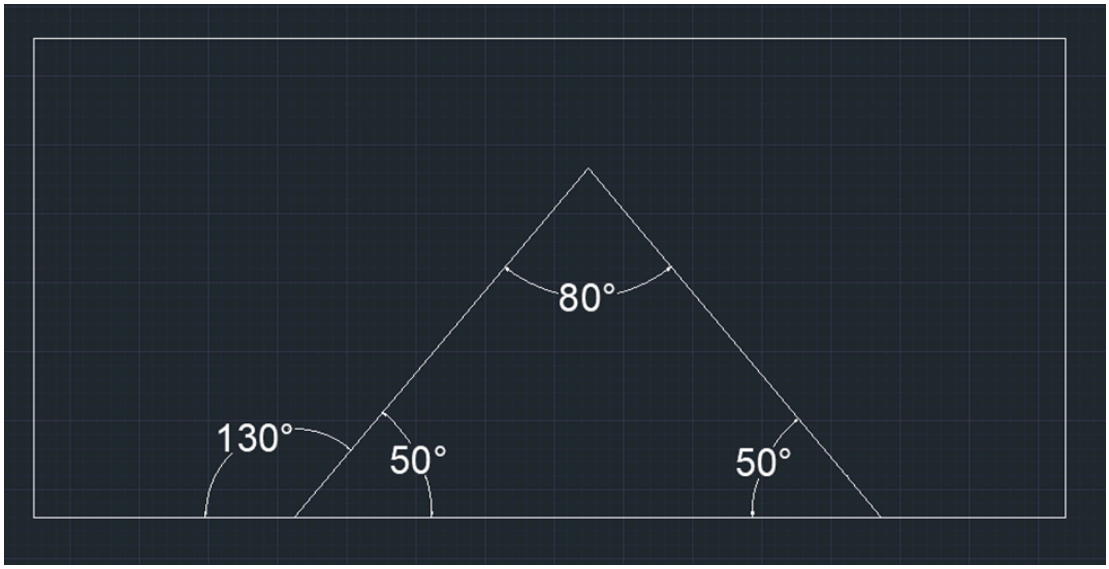


Step_04:



Calculation of angle:-

All three angles of an equilateral triangle are equal in value and the sum of the total angles is 180°

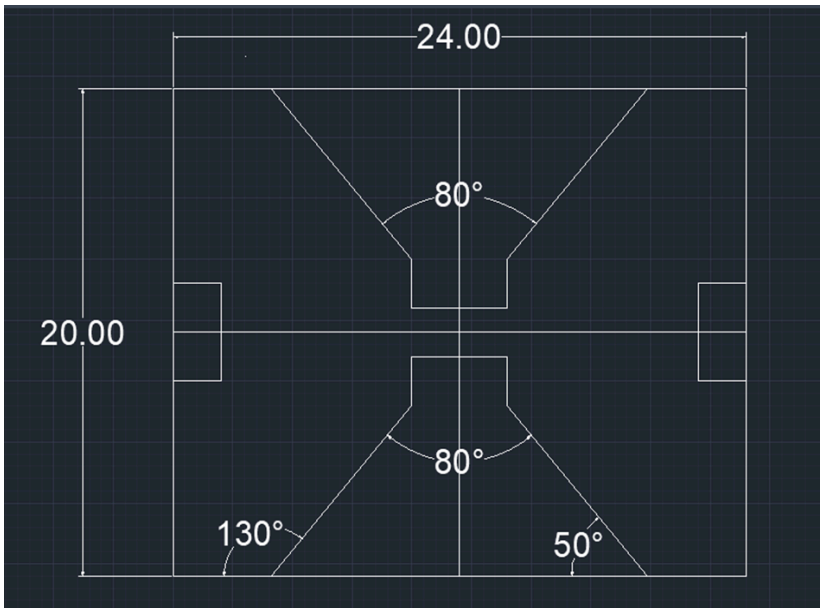


So,if we want the top angle to be 80°. The remaining two angles will then be $(50^{\circ} + 50^{\circ} = 100^{\circ})$

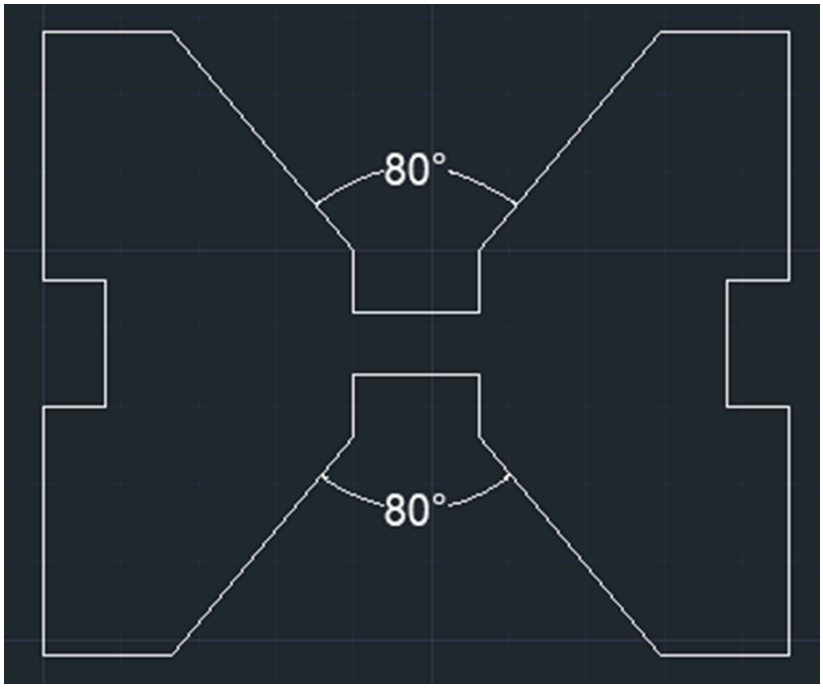
Calculated the left side angle $(100^{\circ} - 50^{\circ} = 130^{\circ})$

Calculated the right side angle 50° because $(180^{\circ} - 130^{\circ} = 50^{\circ})$

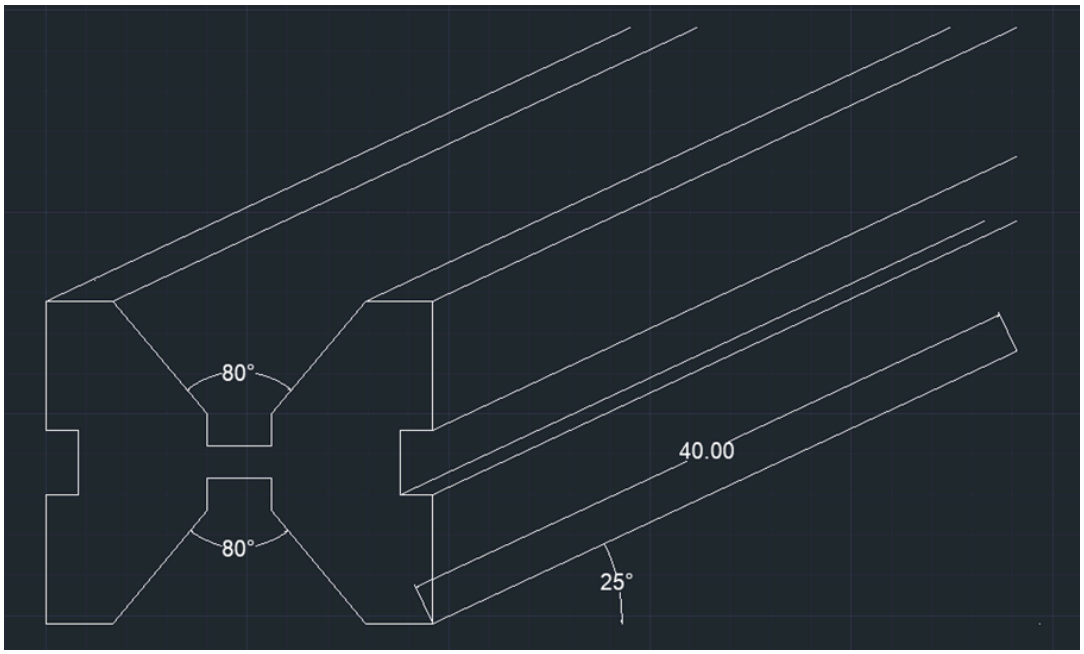
Step_05:



Step_06:



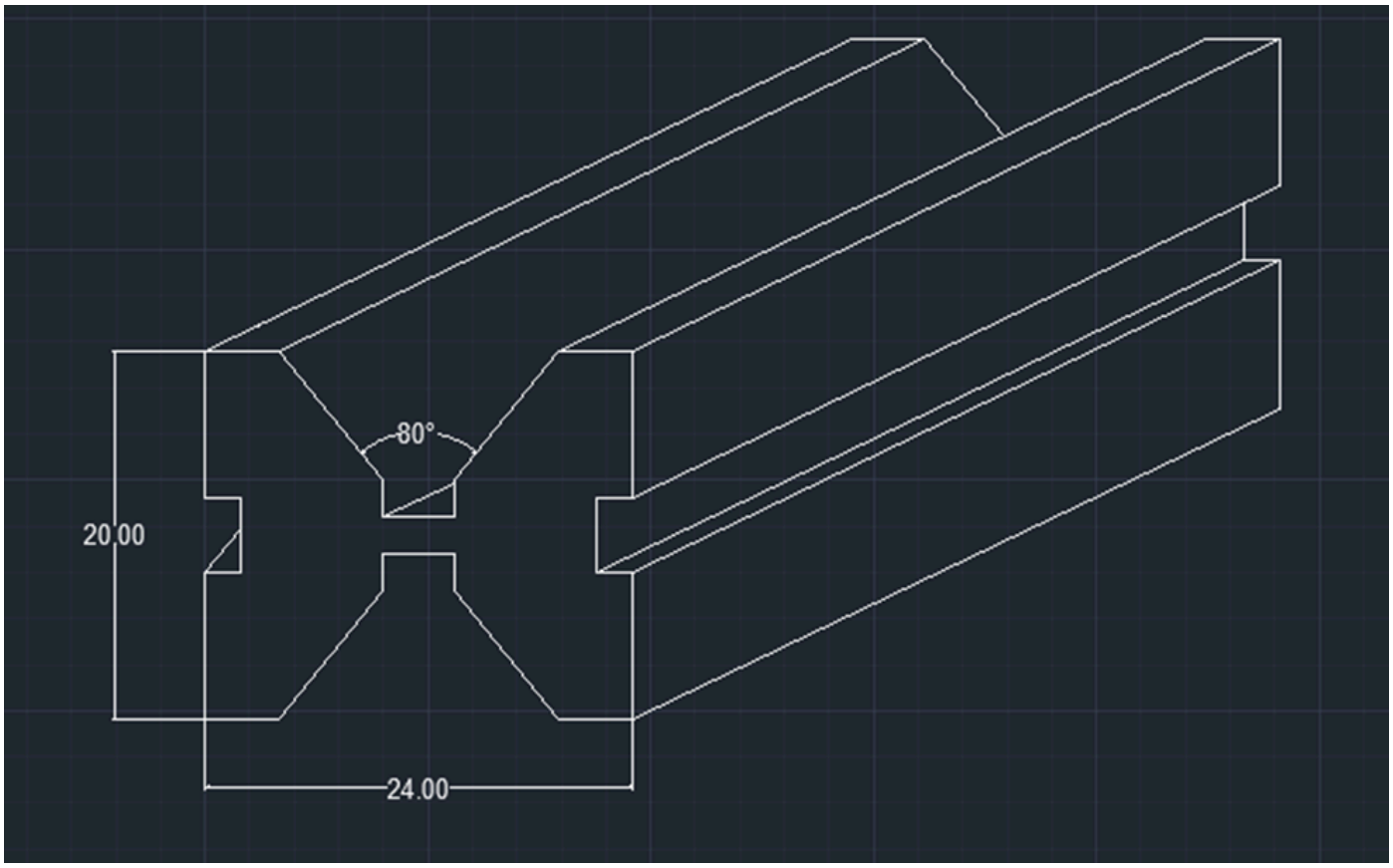
Step_06:



Here the angle is 25° and line height is 40.00

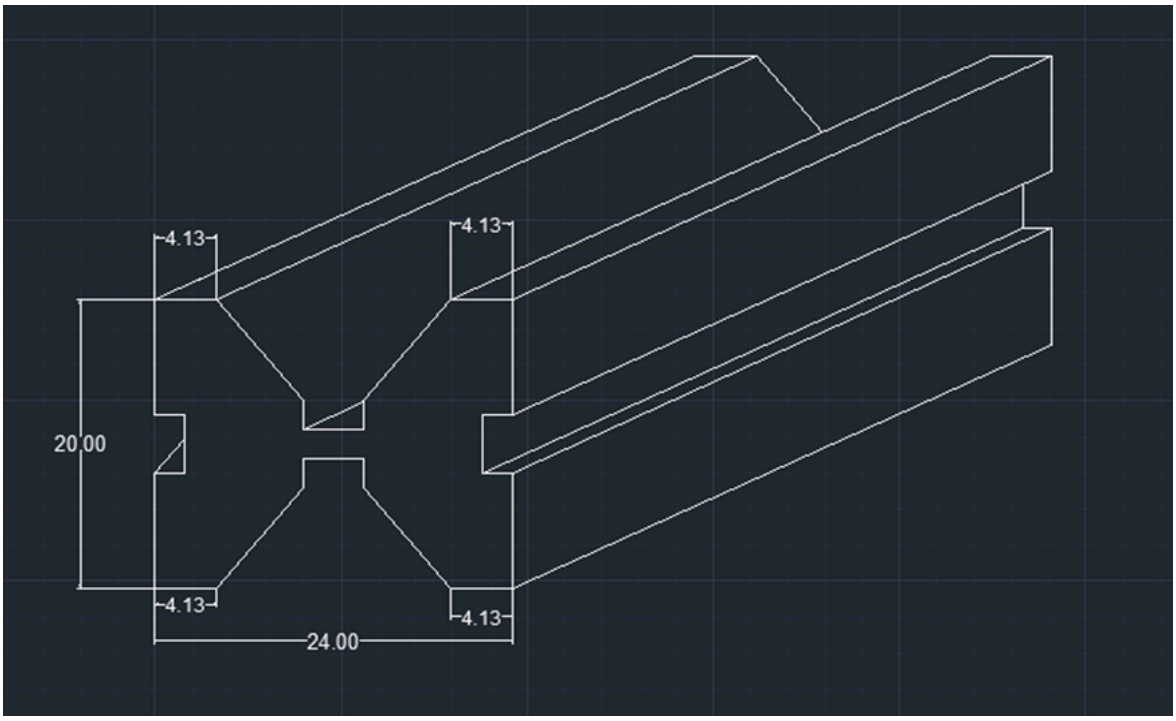
Step_07:

Final output



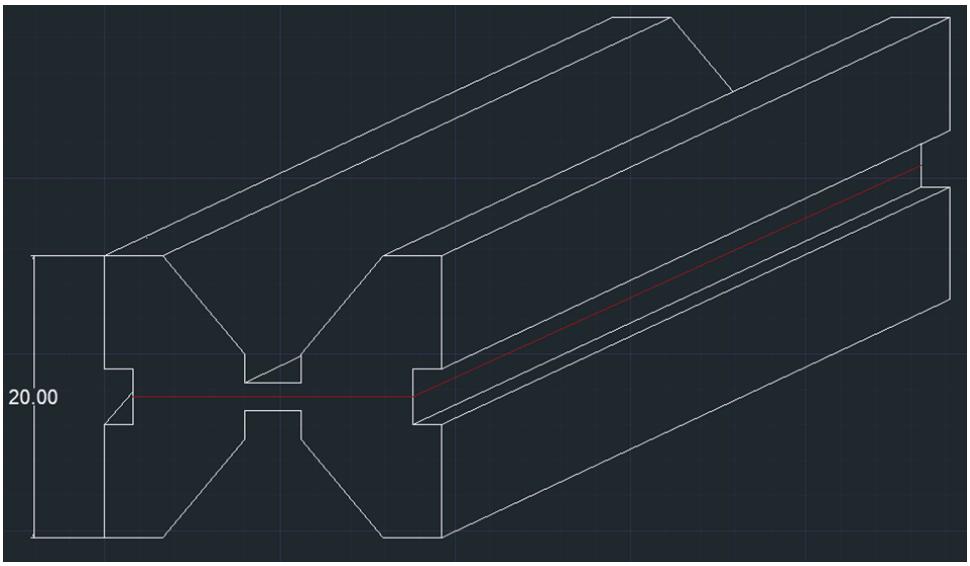
Another method is distance-based is value 4.13

Final output

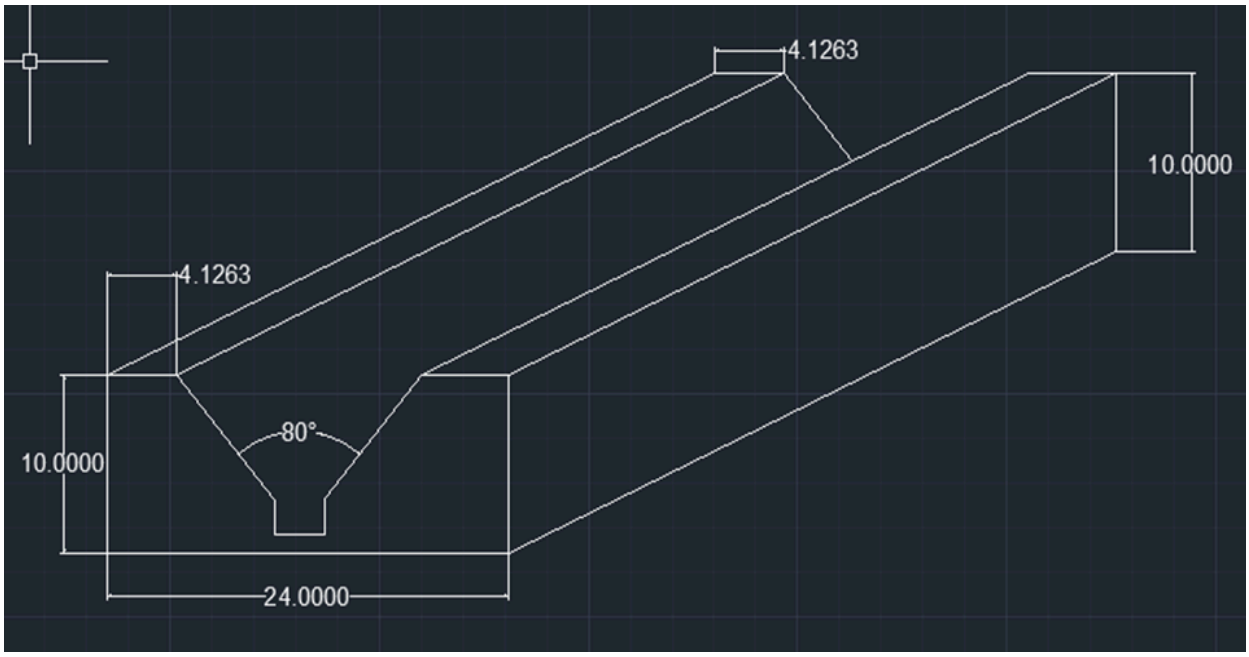


Now, Upper V-block draw steps:

Step_01: Divide the full V-block

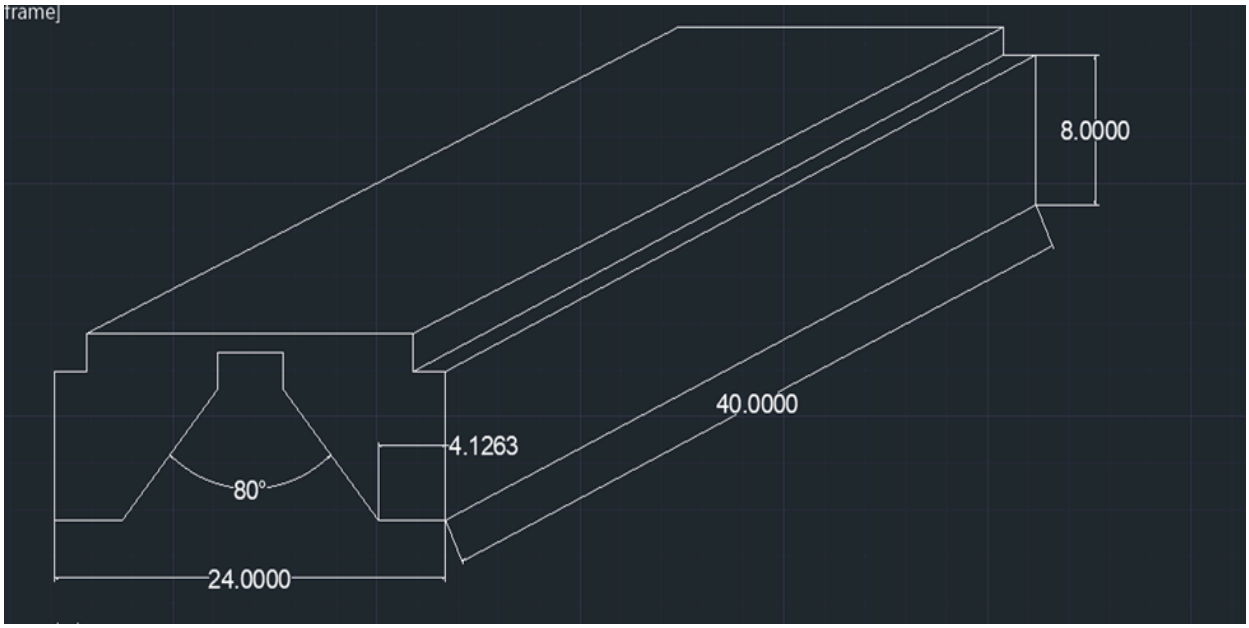


Step_02: Final output



Now, Lower V-block draw steps:

Step_02: Final output



THANK YOU