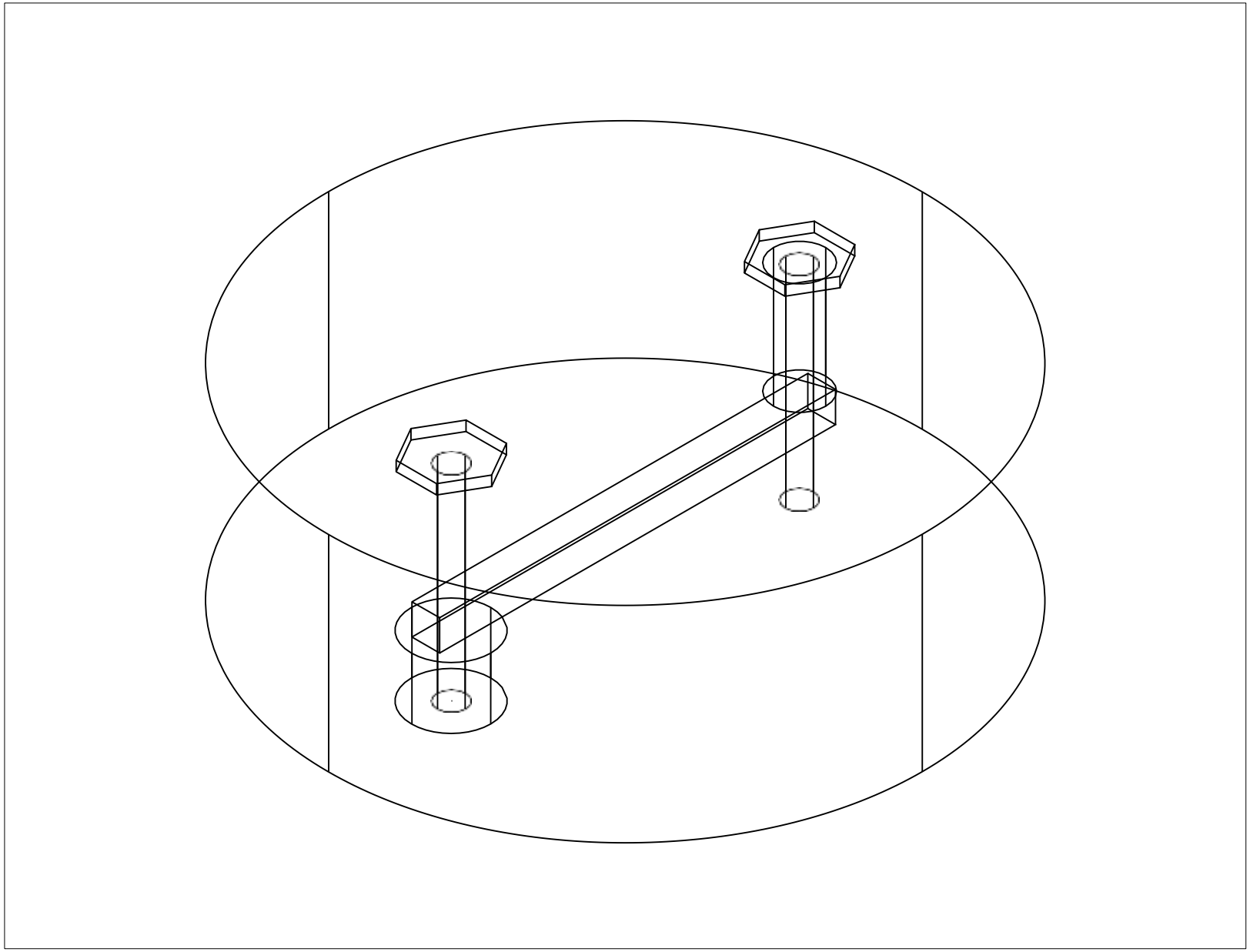
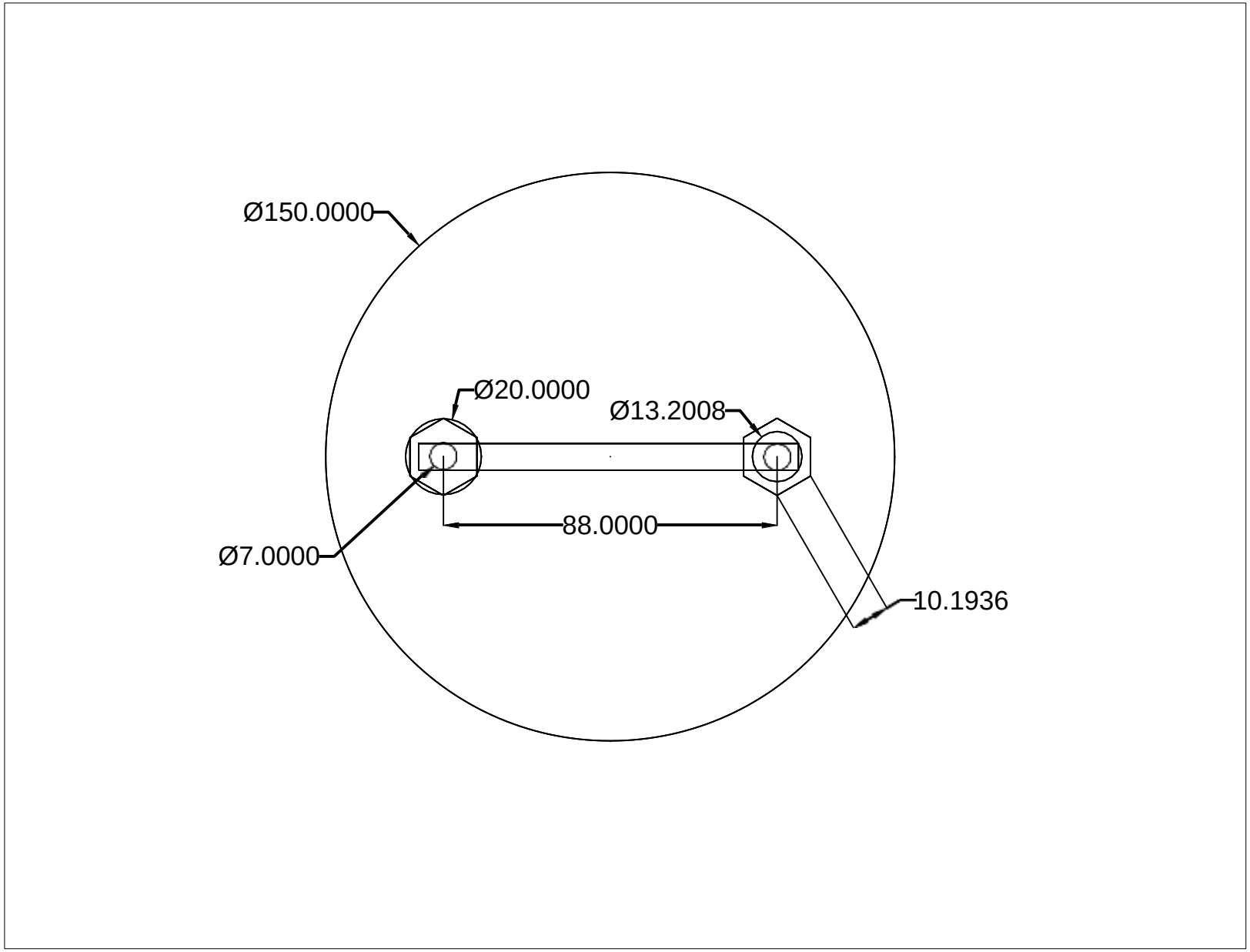
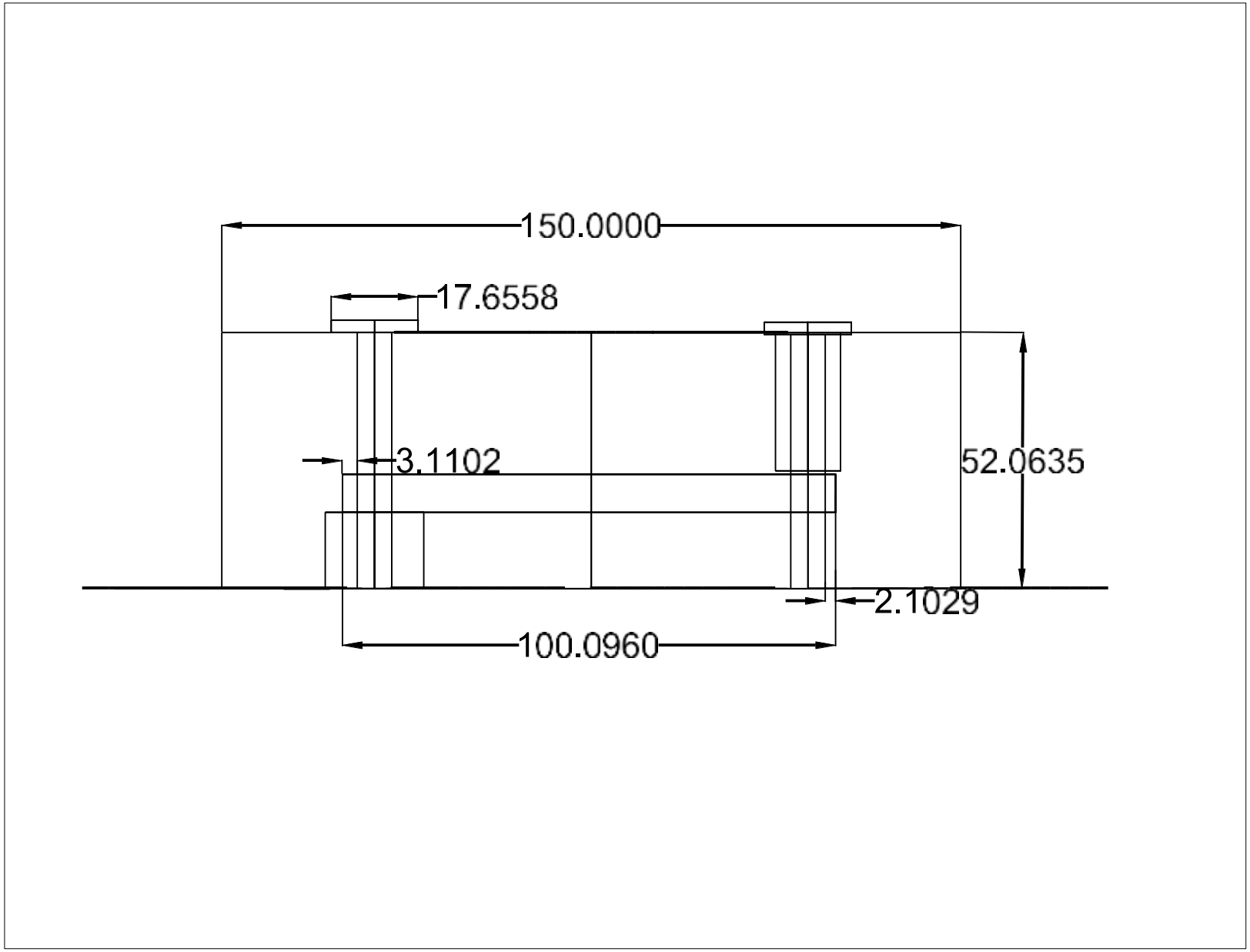
PART NAME : LOAD CELL ISOMETRIC VIEW ANGLE OF PROJECTION : 120 DEGREES



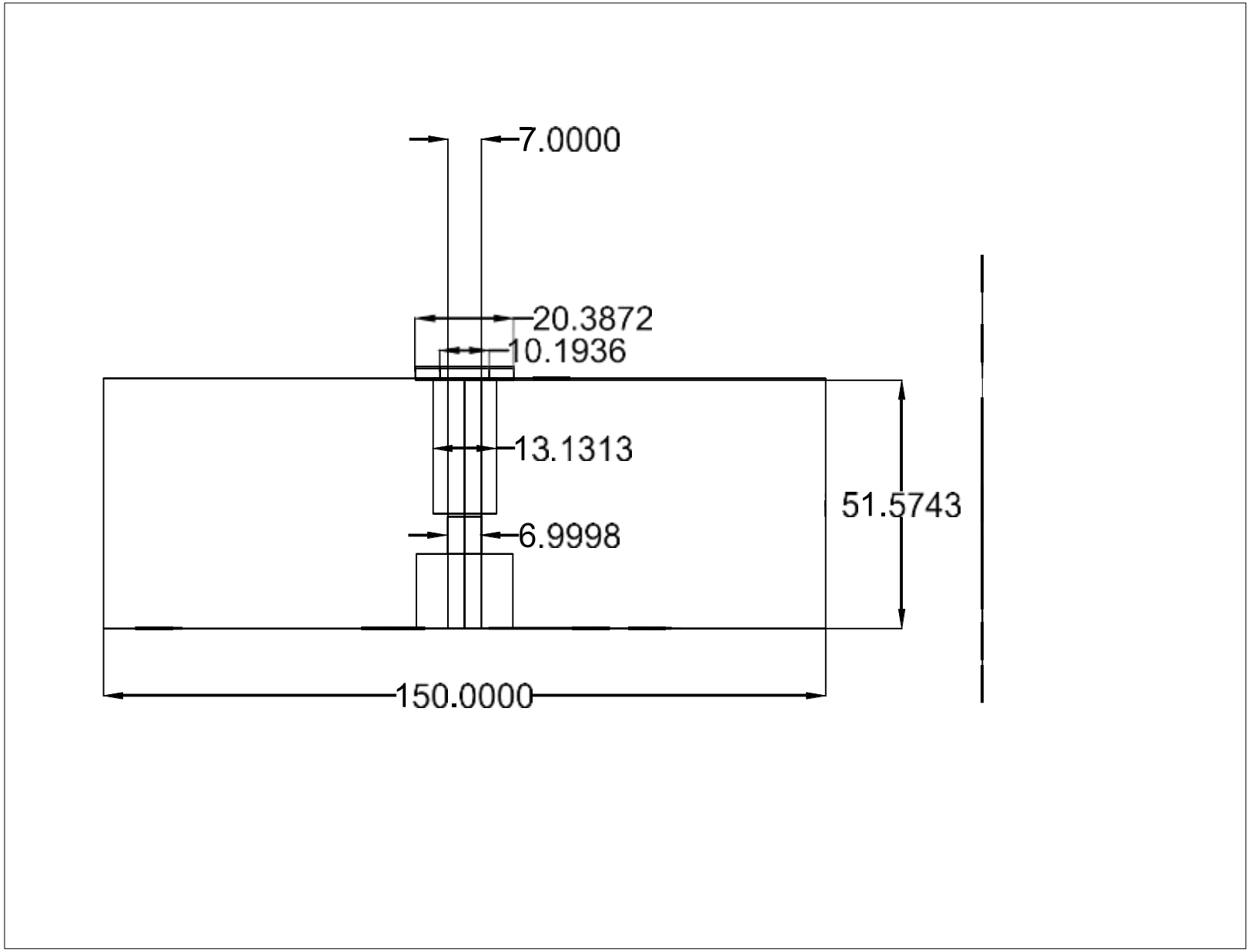
LOAD CELL TOP VIEW



LOAD CELL FRONT VIEW



LOAD CELL SIDE VIEW



TEAM ID : TW=LAM=326

PART DESCRIPTION :
The above mechanical drawing are of the Load cell setup which we have used to measure the weight of the liquid dispensed

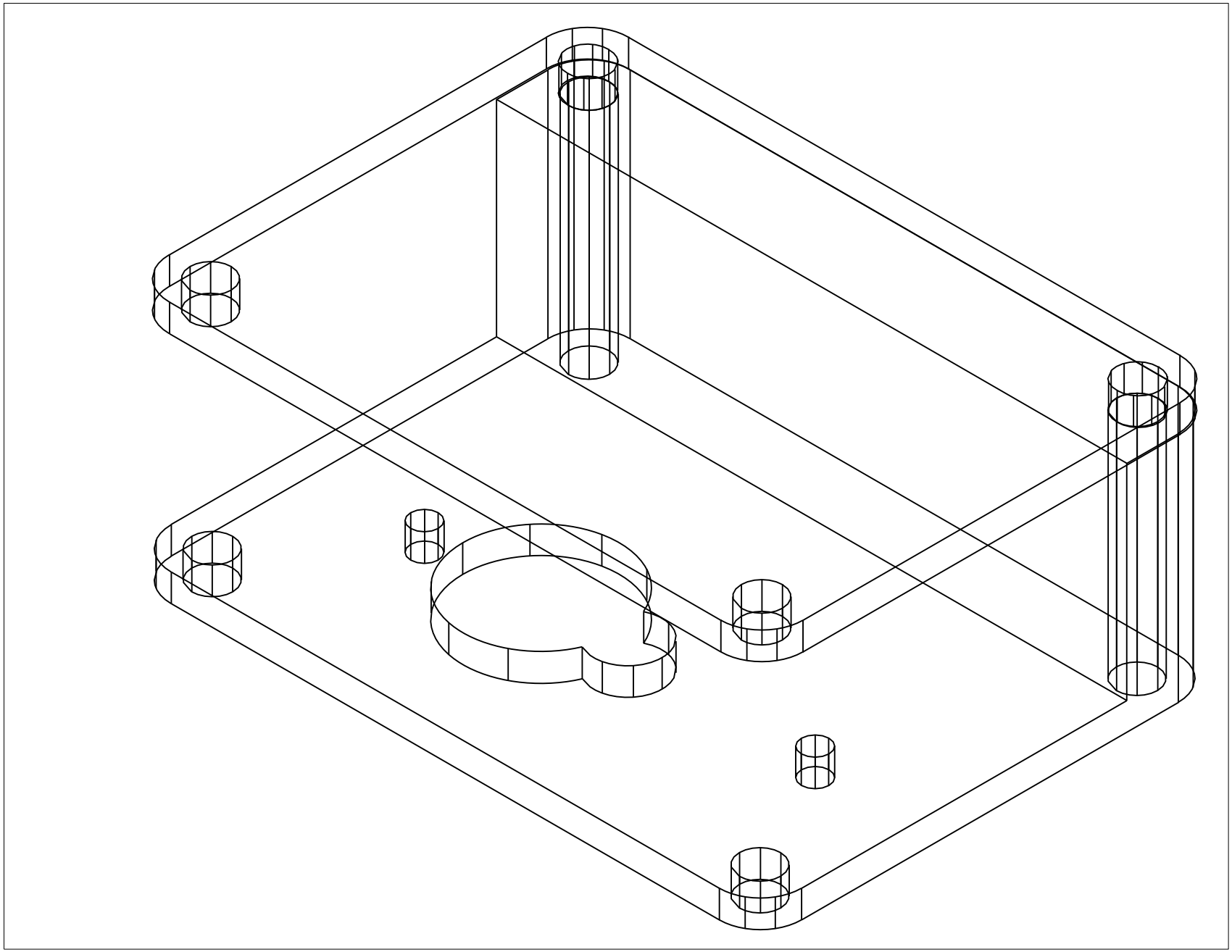
QUANTITY : 1 Unit

MATERIAL : ACRYLIC SHEET

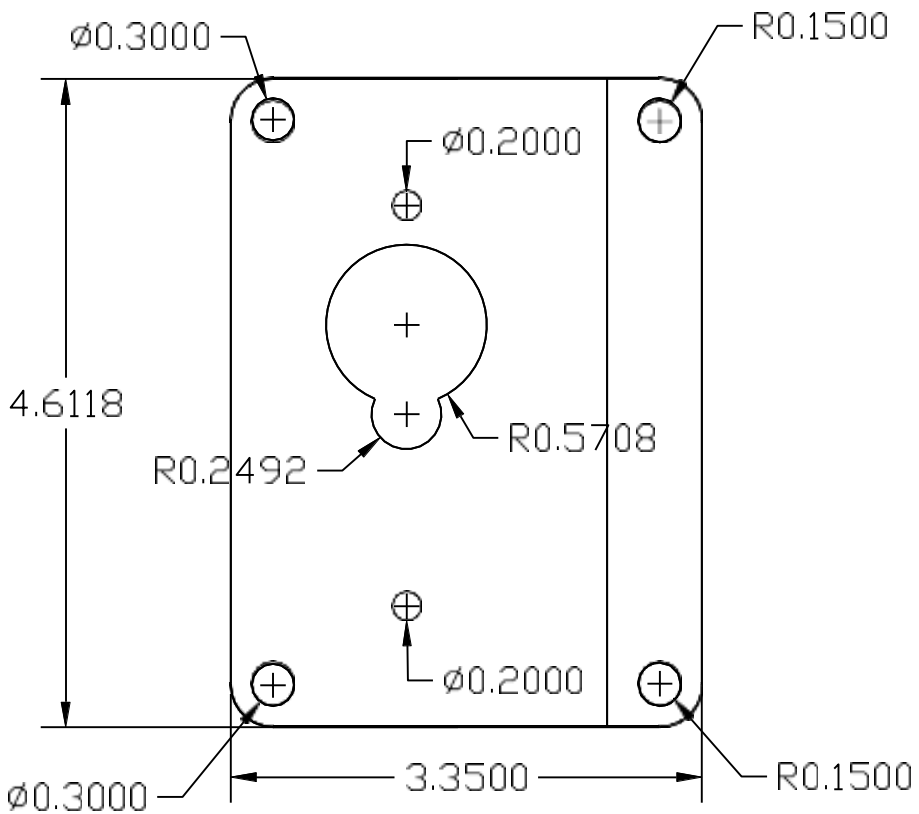
SCALE : 1:1 ALL DIMENSIONS ARE IN mm

DATE OF DRAWING : 28/10/2024

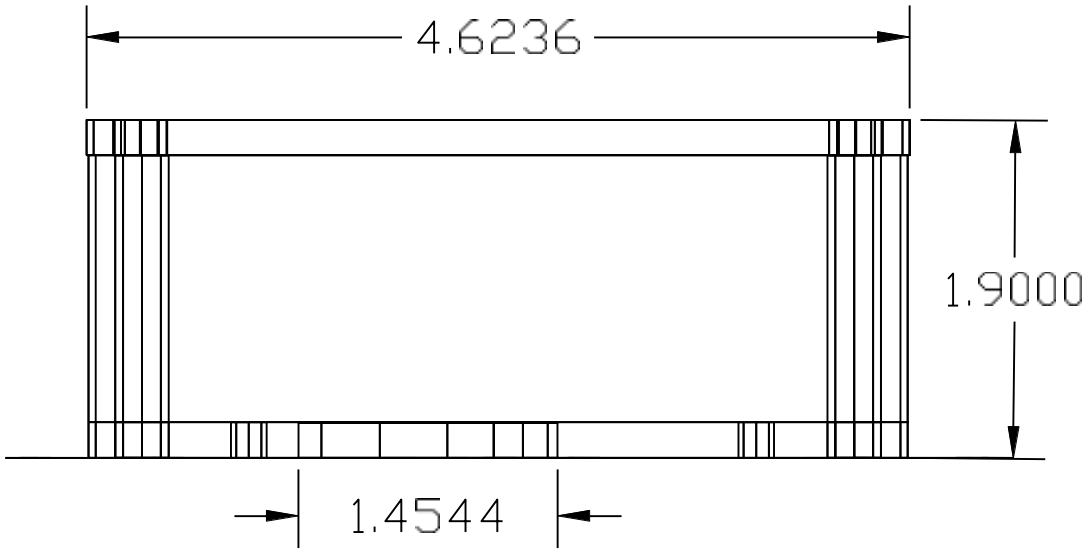
PART NAME : PINCH VALVE ISOMETRIC VIEW ANGLE OF PROJECTION : 120 DEGREES



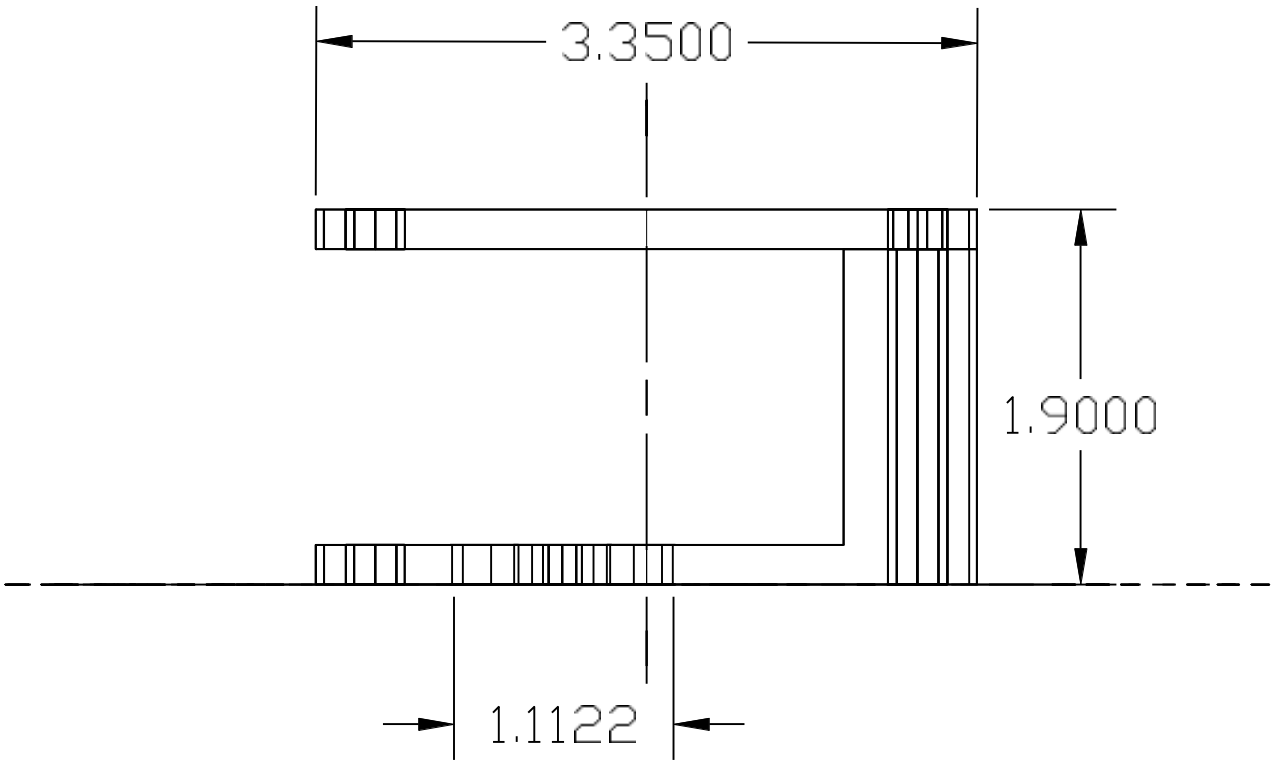
PINCH VALVE TOP VIEW



PINCH VALVE FRONT VIEW



PINCH VALVE SIDE VIEW



TEAM ID : TW=LAM=326

PART DESCRIPTION :
The above mechanical drawings are of the Pinch Valve setup which we use selectively choose which liquid to dispense into the beaker. This setup accommodates a servo which can constrict the flow of the liquid as needed.

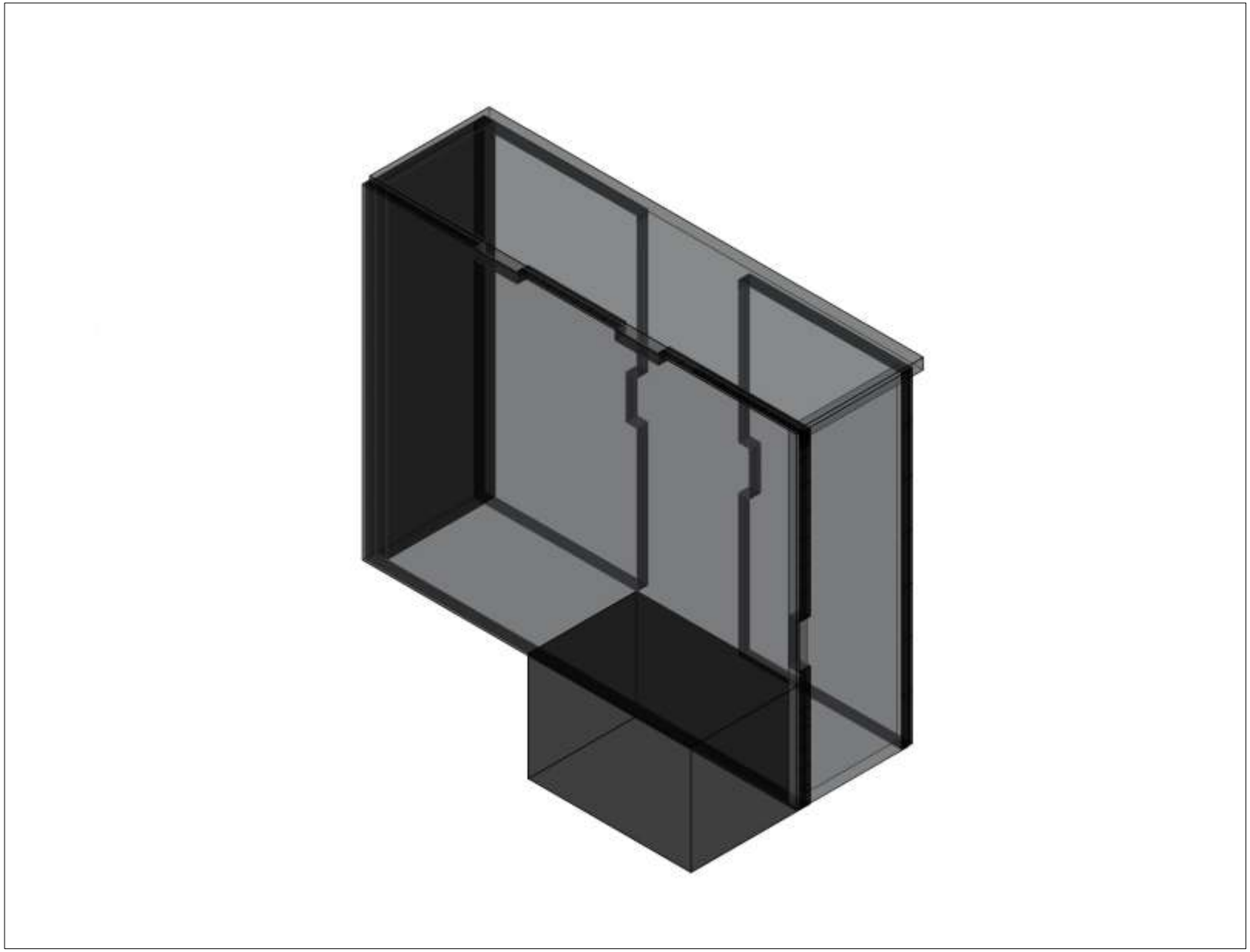
QUANTITY : 1 Unit

MATERIAL : ACRYLIC SHEET

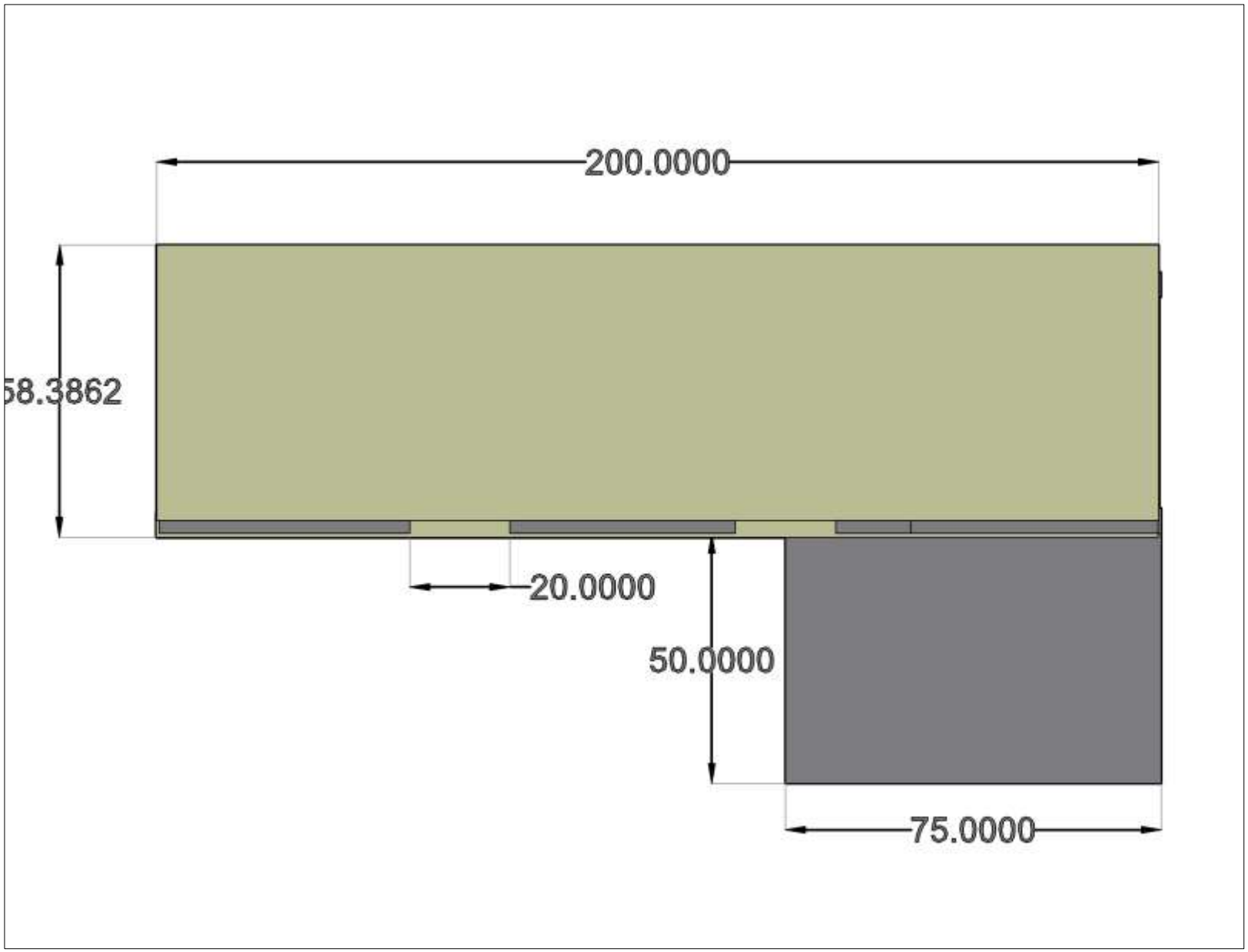
SCALE : 1:1 ALL DIMENSIONS ARE IN mm

DATE OF DRAWING : 28/10/2024

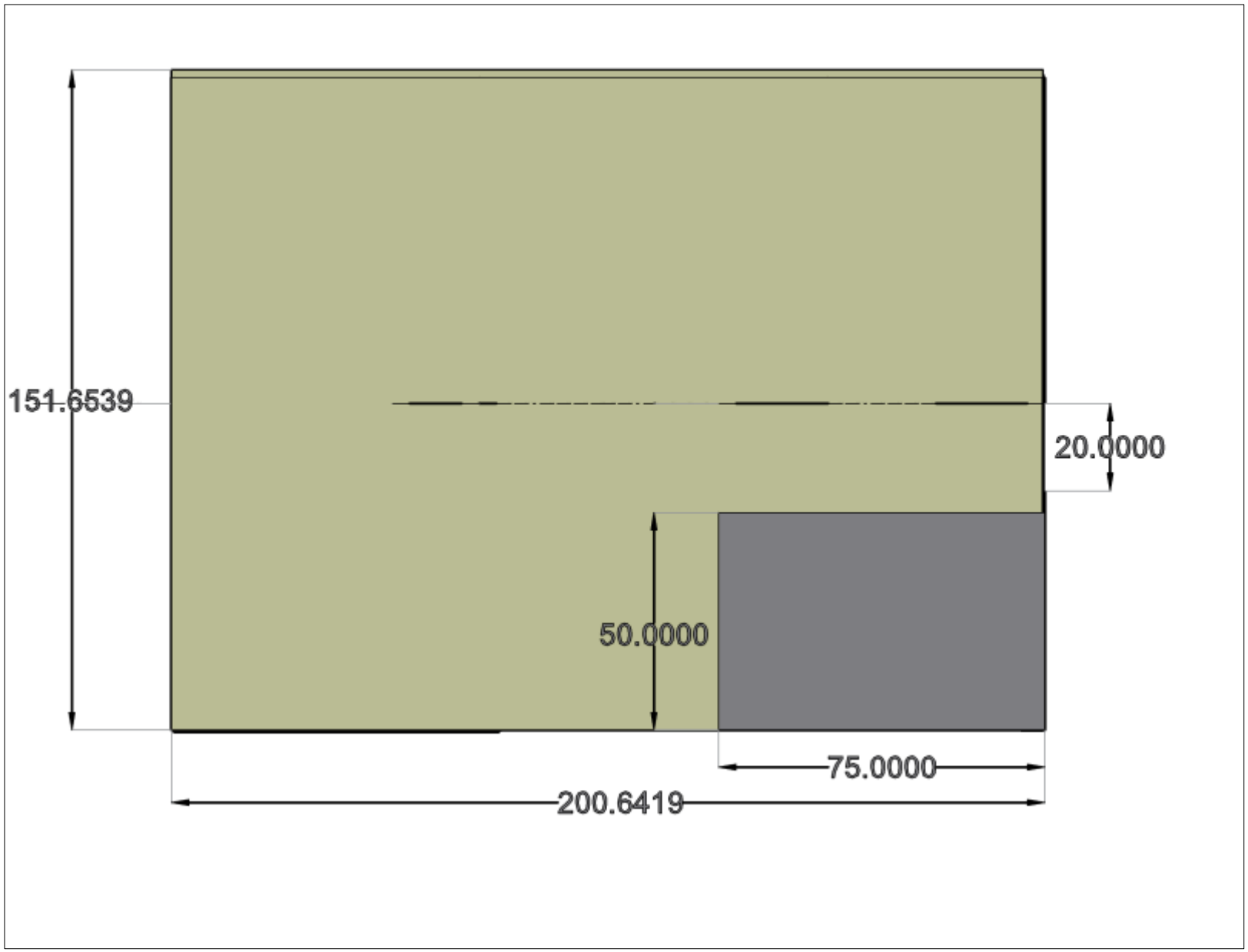
PART NAME : SETUP STRUCTURE ISOMETRIC VIEW
ANGLE OF PROJECTION : 120 DEGREES



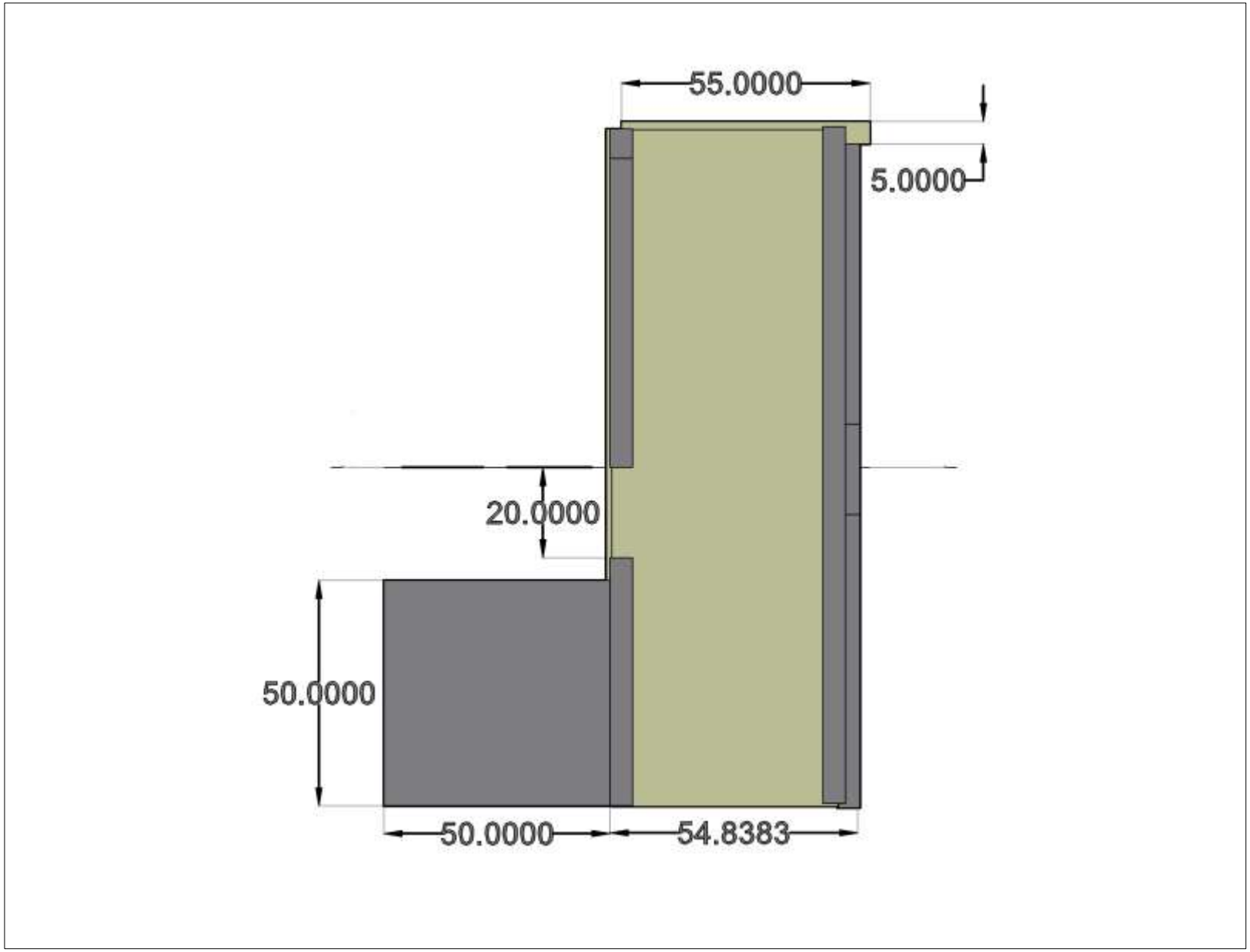
OVERALL SETUP TOP VIEW



OVERALL SETUP FRONT VIEW



OVERALL SETUP SIDE VIEW



TEAM ID : TW=LAM=326

PART DESCRIPTION :
The above mechanical drawings are of the overall setup structure that we had assembled. The 2 servo motors go on top of the structure, with the T joint in front and a small cuboidal support in front for placing the peristaltic pump. Images of the setup has been attached for reference.

QUANTITY : 1 Unit

MATERIAL : ACRYLIC SHEET

SCALE : 1:1 ALL DIMENSIONS ARE IN mm

DATE OF DRAWING : 29/10/2024