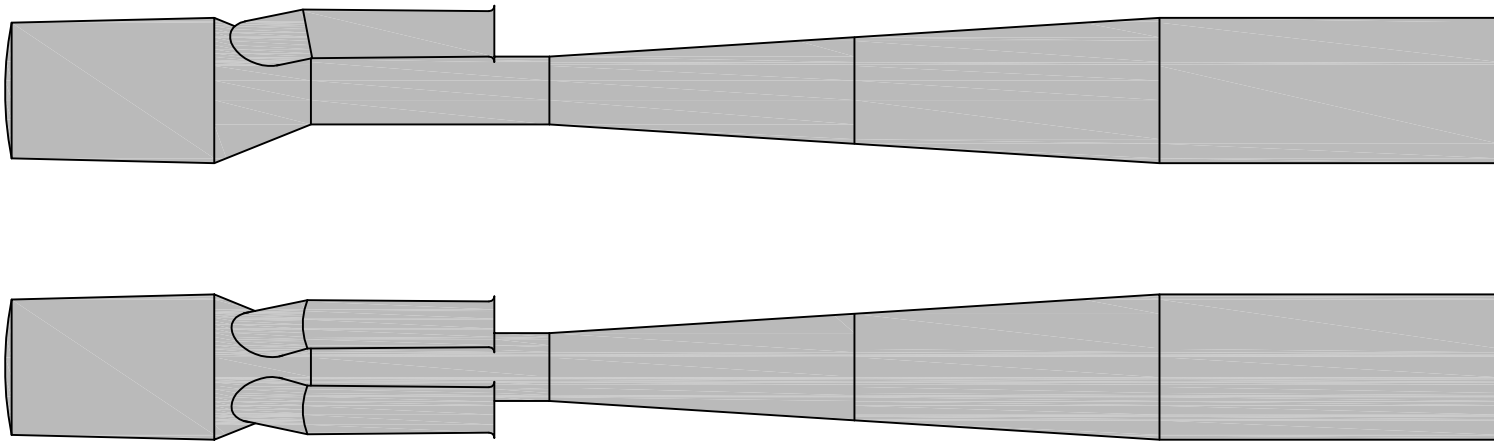


M-40a

**FINAL**



40+ LBS THRUST  
VALVELESS PULSEJET

## **M-40a 40 Lb Thrust Valveless Pulsejet**

Designed by METIZ

Drawn by GRIM

This document contains all the dimensioned drawings and sheet metal layout templates needed to fabricate this engine,

There is no information on fuelling, sparkplug location, mounting or any other ancillary components, for details on these, go to <http://www.pulse-jets.com/phpbb3/viewtopic.php?f=3&t=5628>

The templates are accurate only if printed and cut correctly and the sheet steel will only be within spec if cut and rolled with care, to this end , **USE** the dimensioned drawings and adjust your rolled segments to build to within tolerances ,

The templates are sized for 1mm thick steel, if you use thicker or thinner steel you must allow for this,

### **Notes on printing the templates.**

Use A4 or US letter paper,

Set the print dialogue to print 100% OR full size OR 1:1, this is printer make /model dependent

Once printed CHECK THE SCALES, each sheet has a 100mm x100mm plot check scale, these should measure EXACTLY 100MM or 10CM, overall, with 10mm or 1cm measuring between the lines,

Use the templates soon after printing , paper changes shape with humidity changes ,

Check BOTH axis, it is not uncommon for inkjet printers to have errors in one or more axis, some can be calibrated some cannot, if the templates have errors the engine will have errors and may not run correctly or may not even run at all,

Great care is needed when joining the various sheets, there are dotted lines to aid with alignment

With regards to the long tailpipe cone (MX1) If you are unable to roll the complete cone in one piece , cut along the dotted line with shears , roll the two cones and weld them together,

**Disclaimer,**

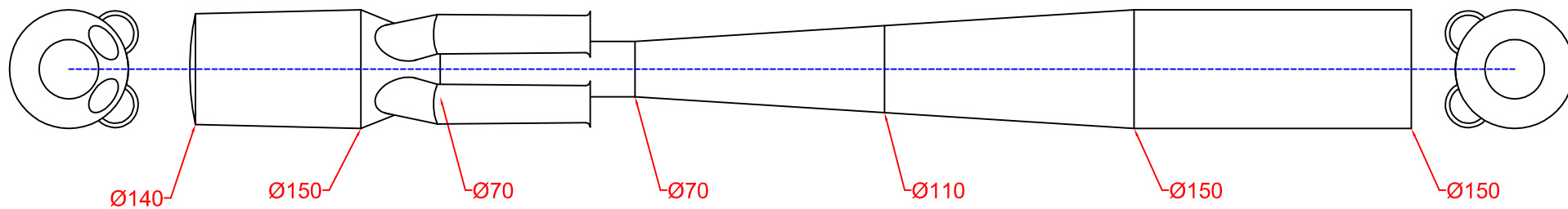
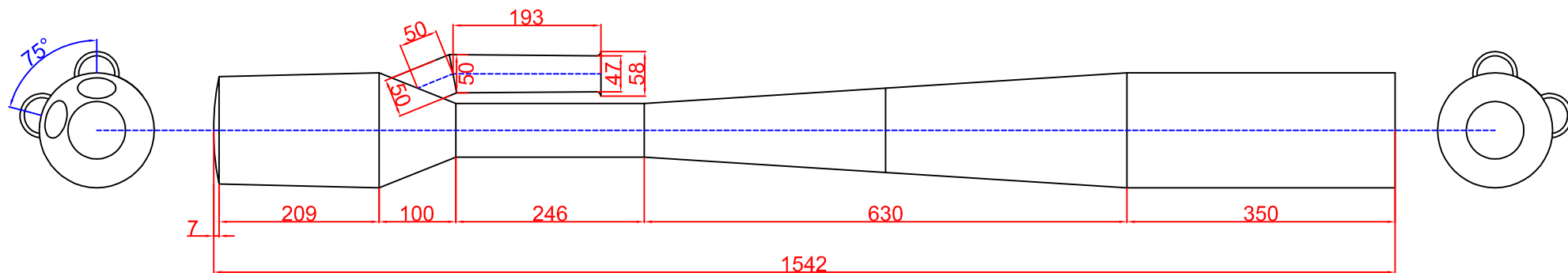
This engine is not considered to be a good candidate for beginners, due to the physical size and power output

The inexperienced builder considering this as a first engine should read and understand the safety and FAQ threads at pulse-jets.com and would Hopefully gain some experience on a smaller simpler design before considering this engine,

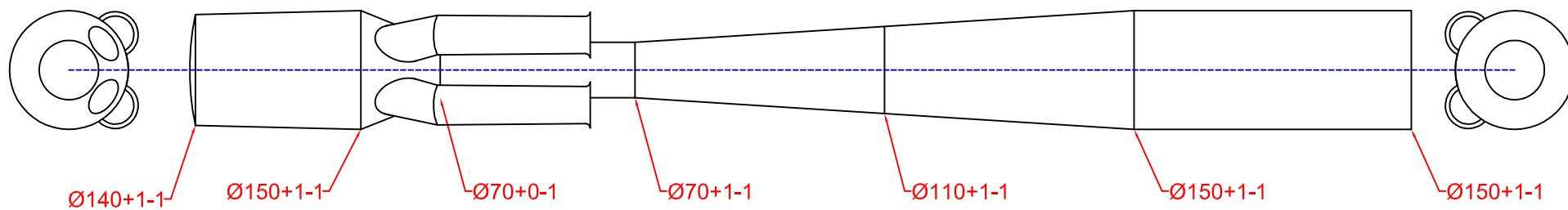
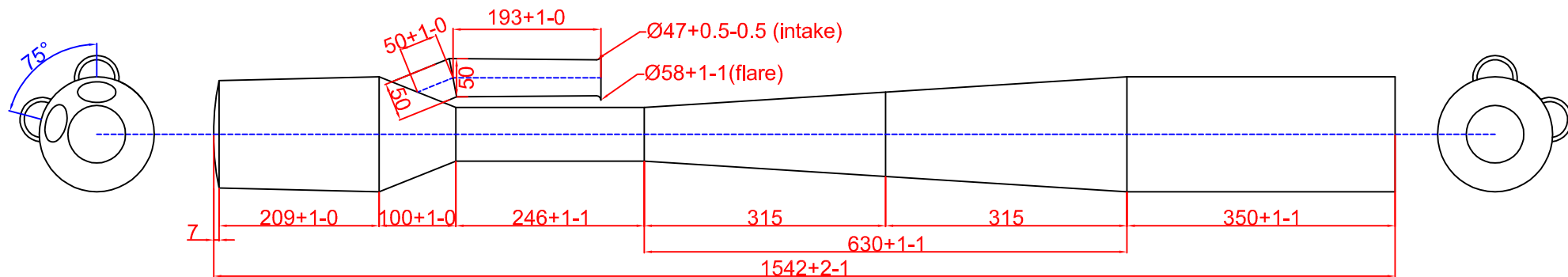
A good place to start might be here

<http://www.pulse-jets.com/phpbb3/viewtopic.php?f=3&t=4950>

THESE PLANS ARE FREE FOR NON COMMERCIAL NON PROFIT USE AND THE DESIGNERS CANNOT AND WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE OR INJURIES CAUSED BY THE BUILDING AND OR MISUSE OF THIS ENGINE,



M-40a PULSEJET	
nominal dimensions sheet	
Designed by : METIZ	Drawn by : JD
Date : 06 mar 2010	All dimensions internal and in mm



## M-40a PULSEJET

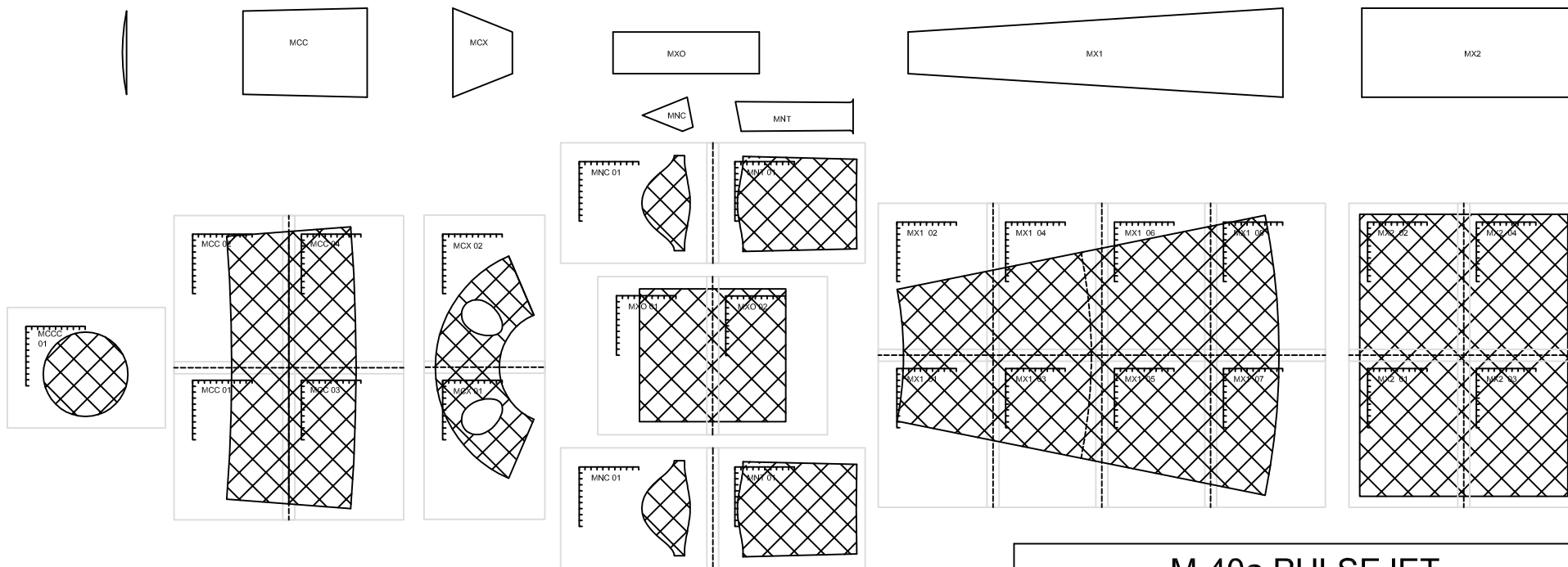
### tolerances sheet

Designed by : METIZ

Drawn by : JD

Date : 06 mar 2010

All dimensions internal  
and in mm



## M-40a PULSEJET

### plot layout sheet

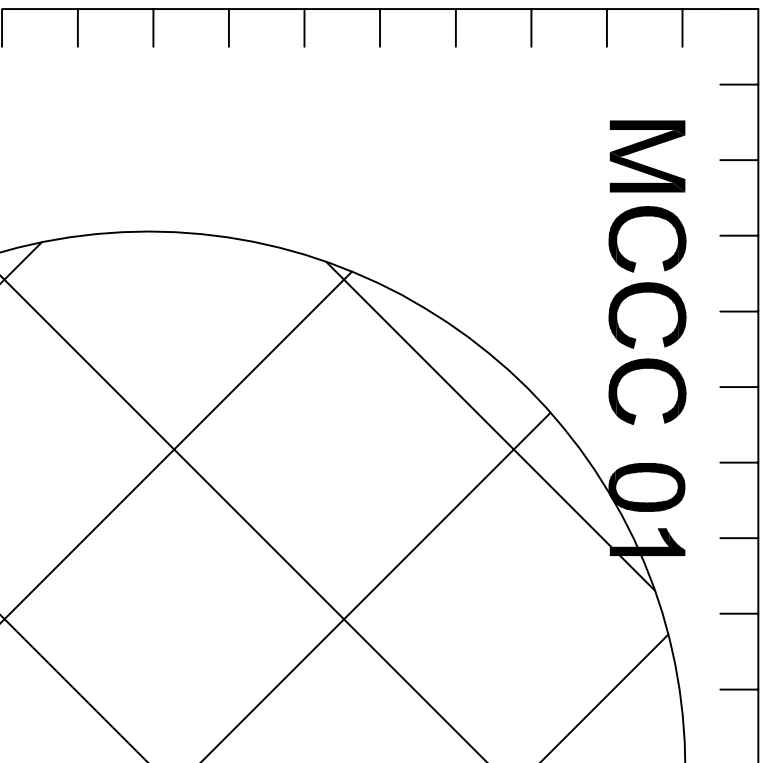
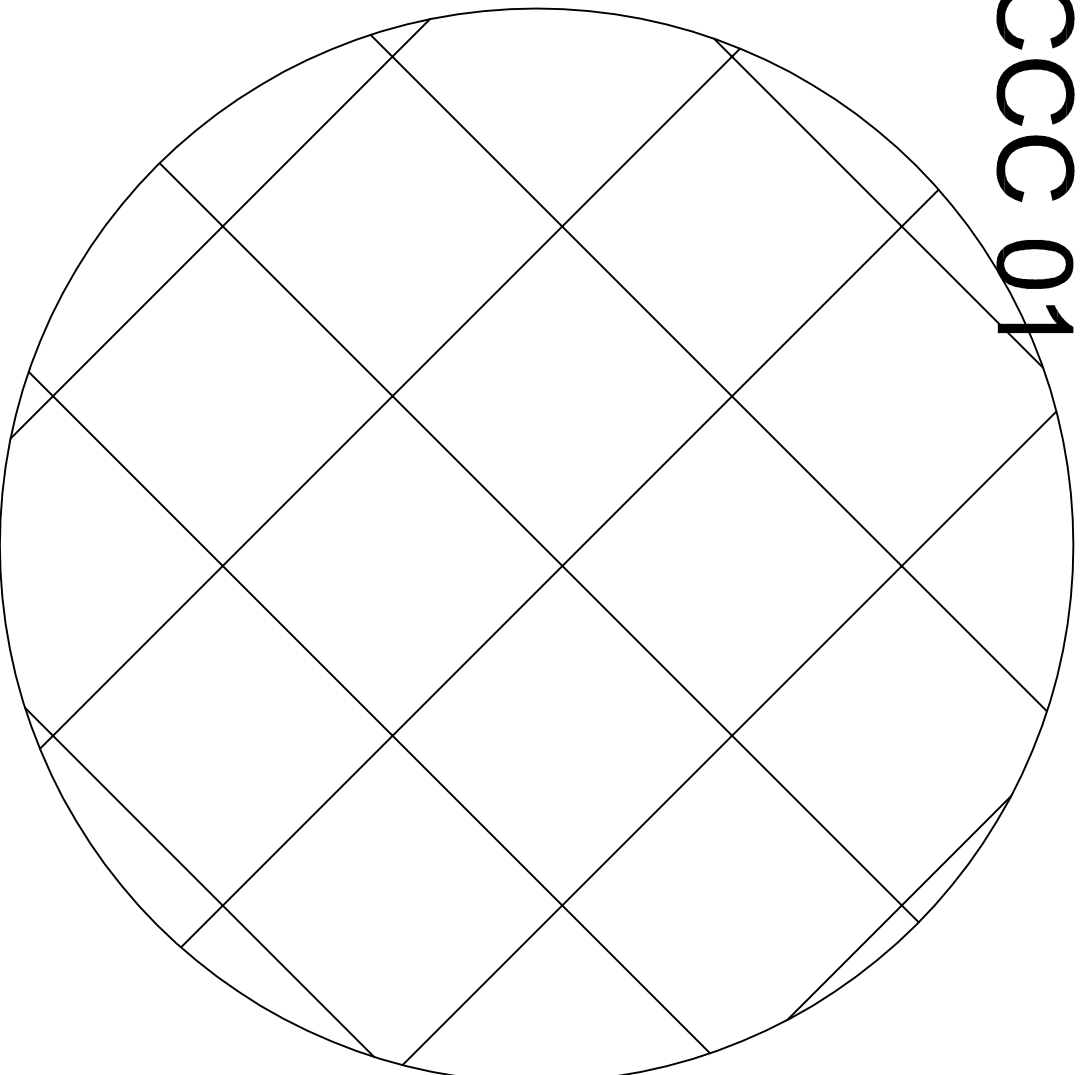
Designed by : METIZ

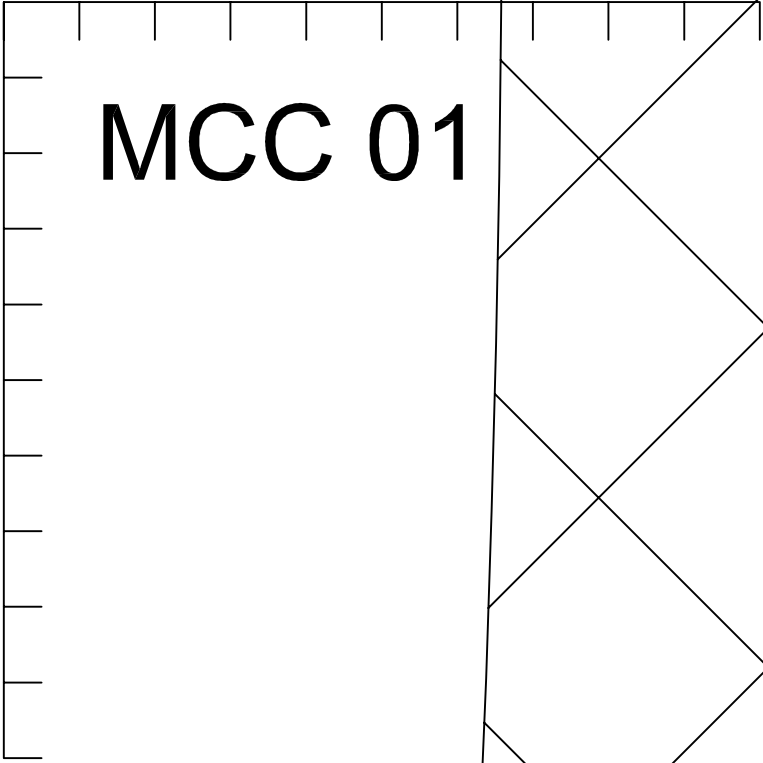
Drawn by : JD

Date : 06 mar 2010

All dimensions internal  
and in mm

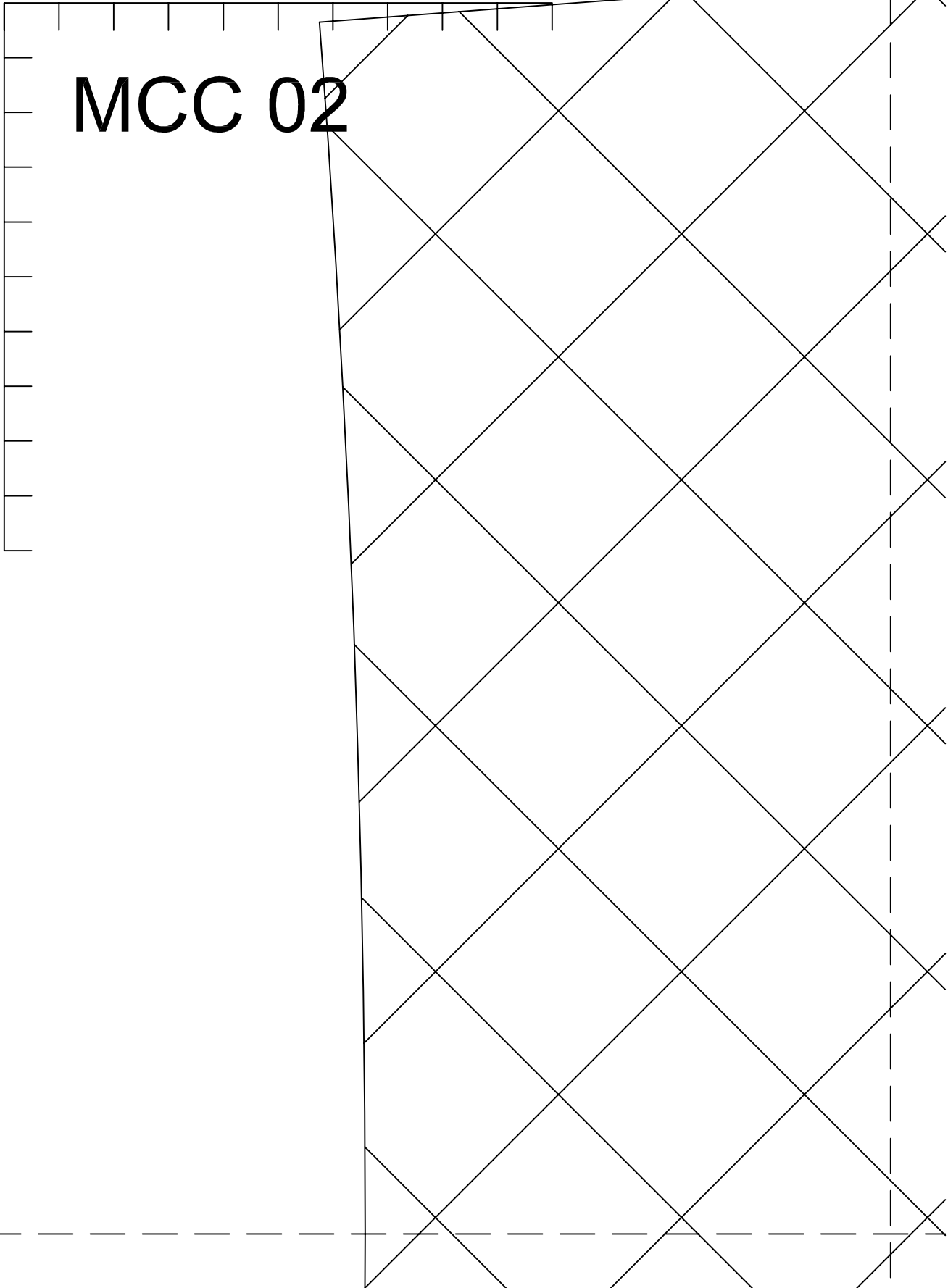
MCCC 01







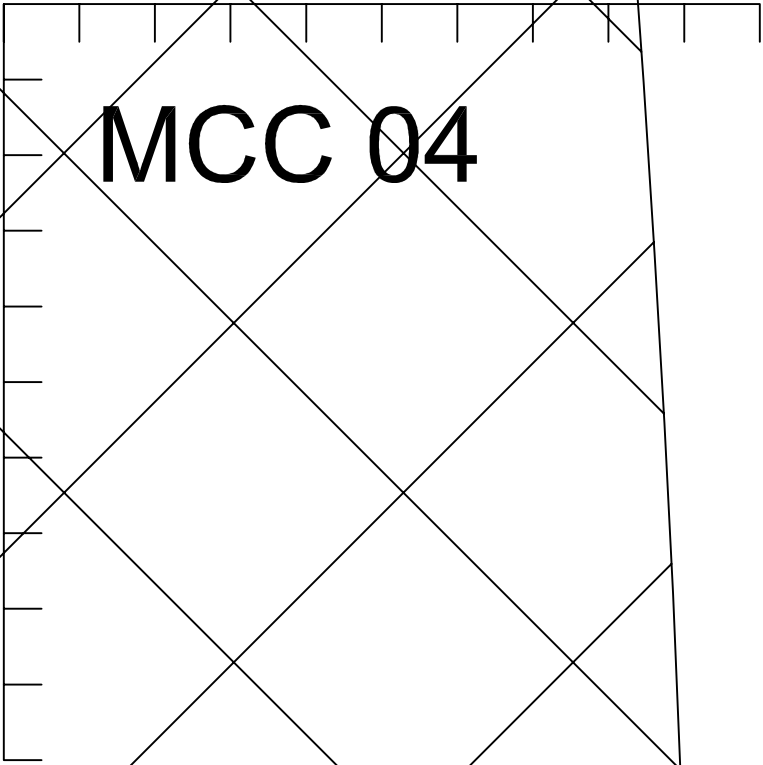
**MCC 02**



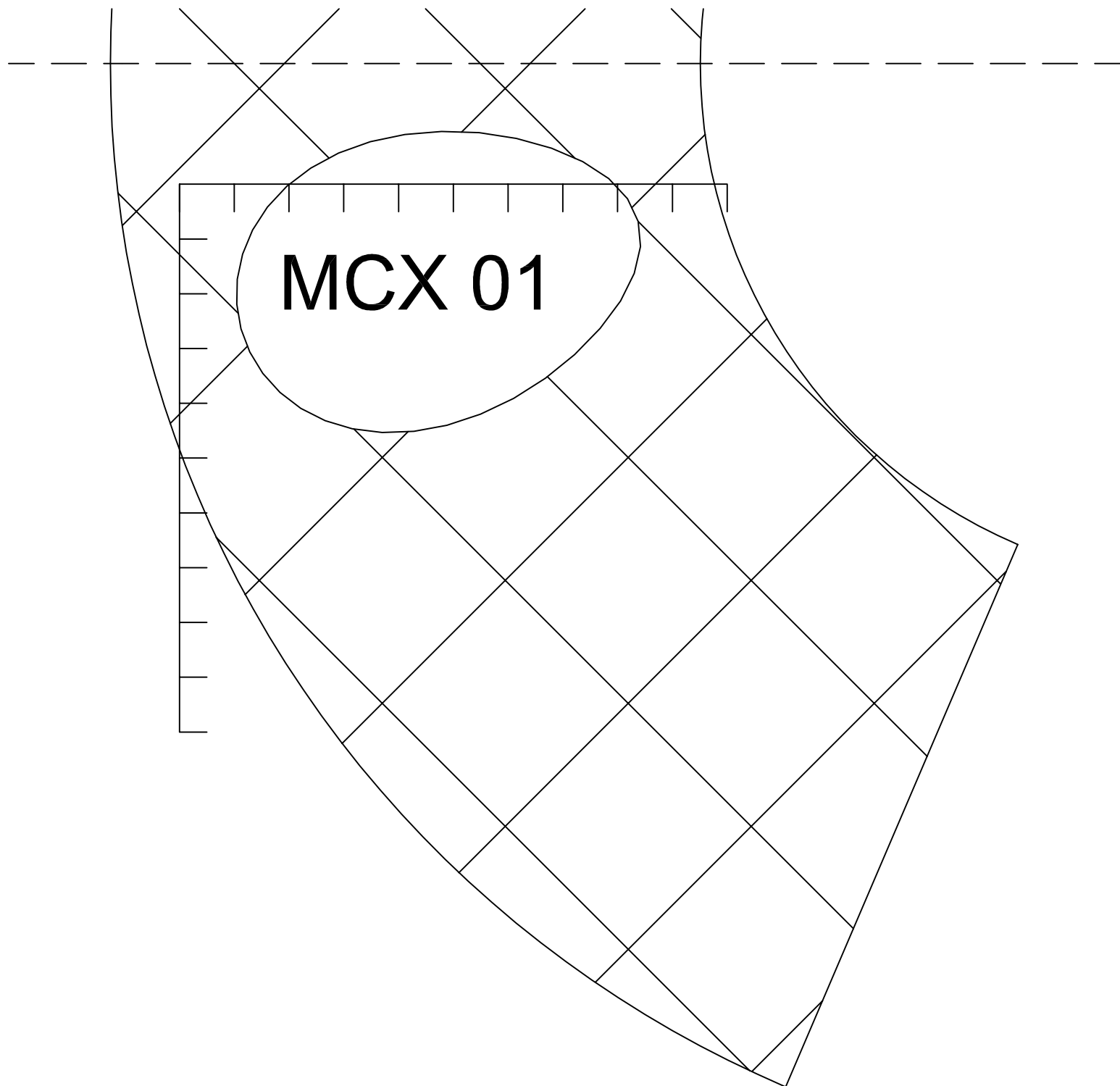


A technical drawing of a rectangular object, possibly a book cover or folder, featuring a diamond-patterned cross-hatch. A ruler is positioned horizontally above the object, and a vertical dashed line is on the left. The text "MCC 03" is printed in the upper left area of the object.

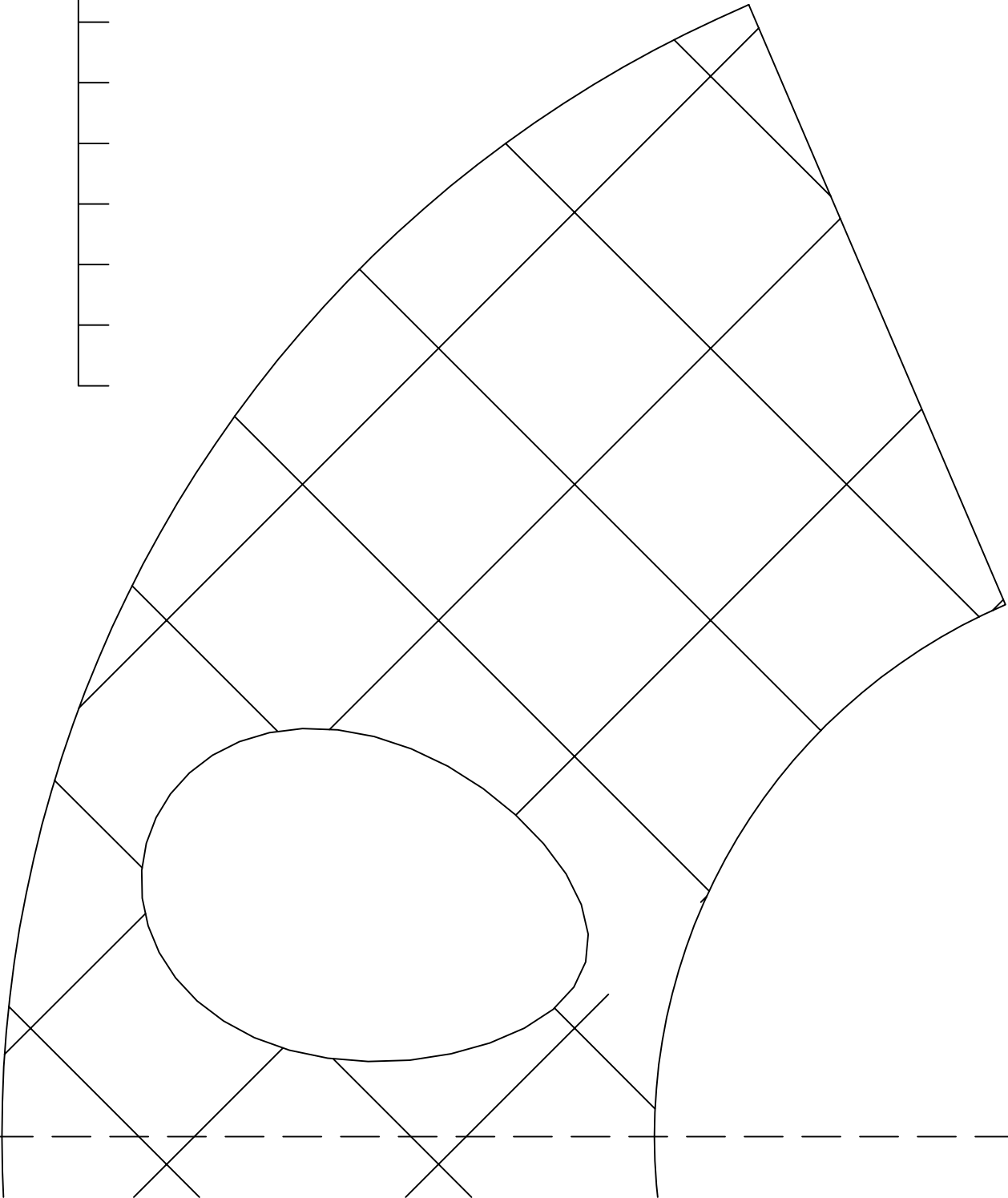
**MCC 03**



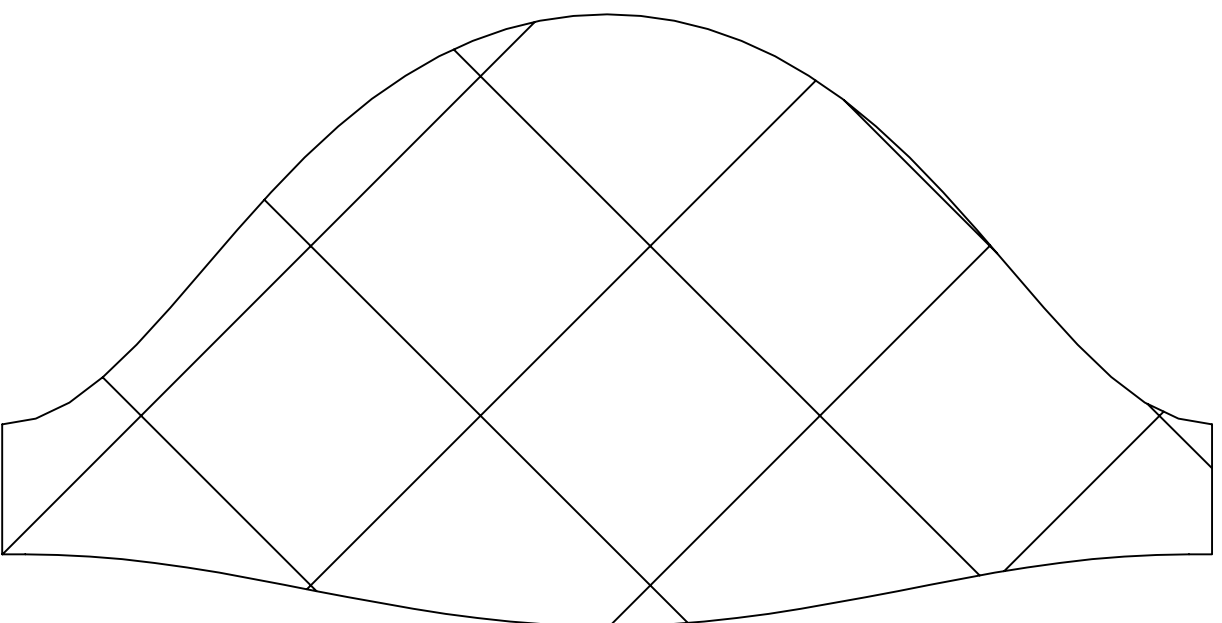
**MCC 04**



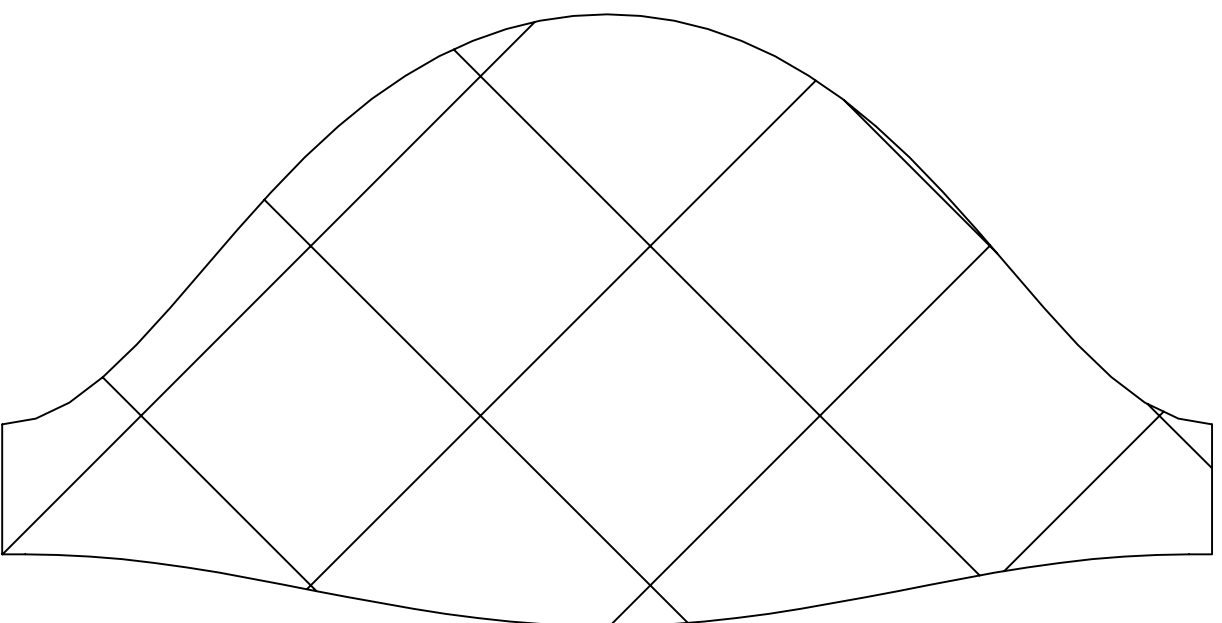
MCX 02

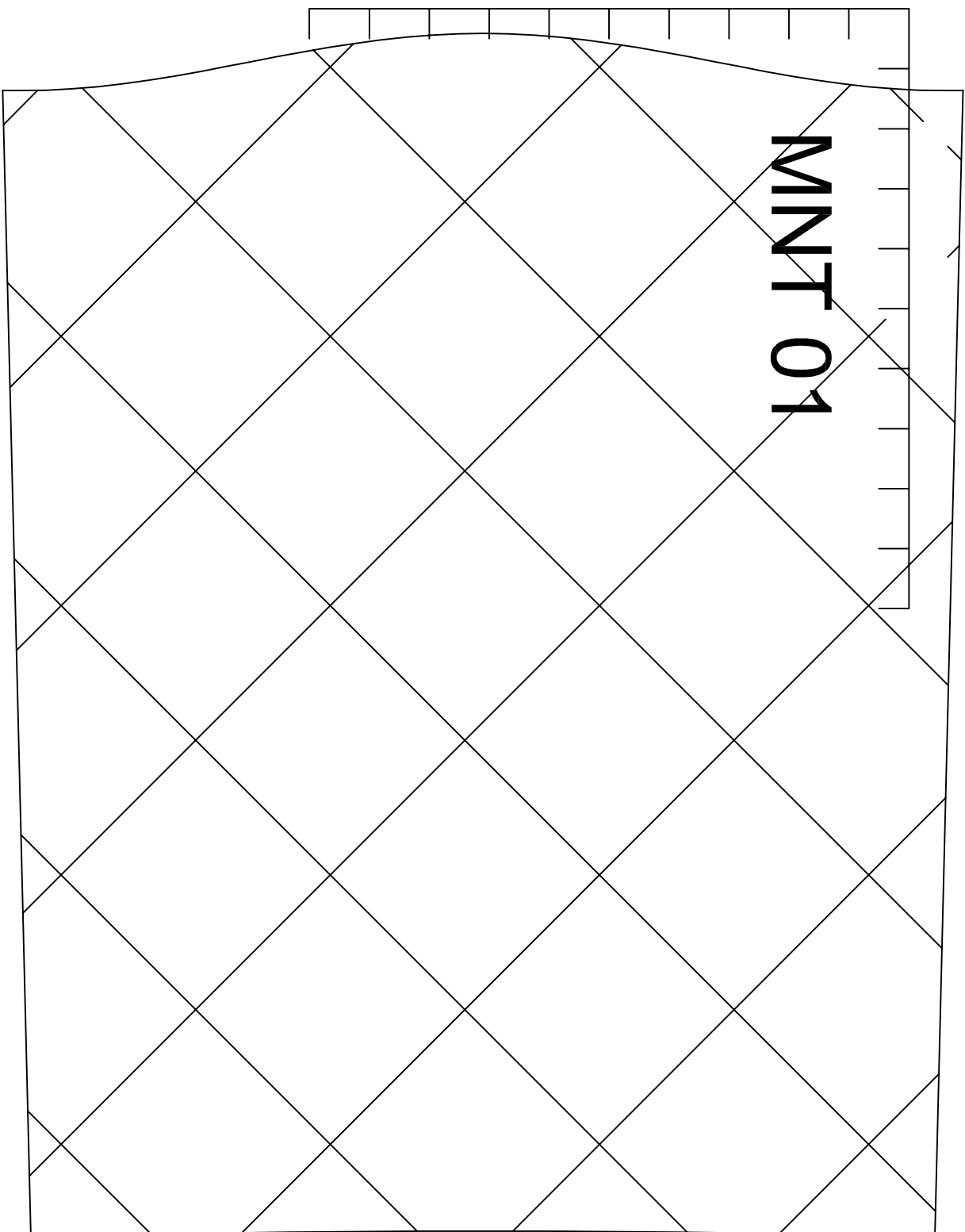


MNC 01



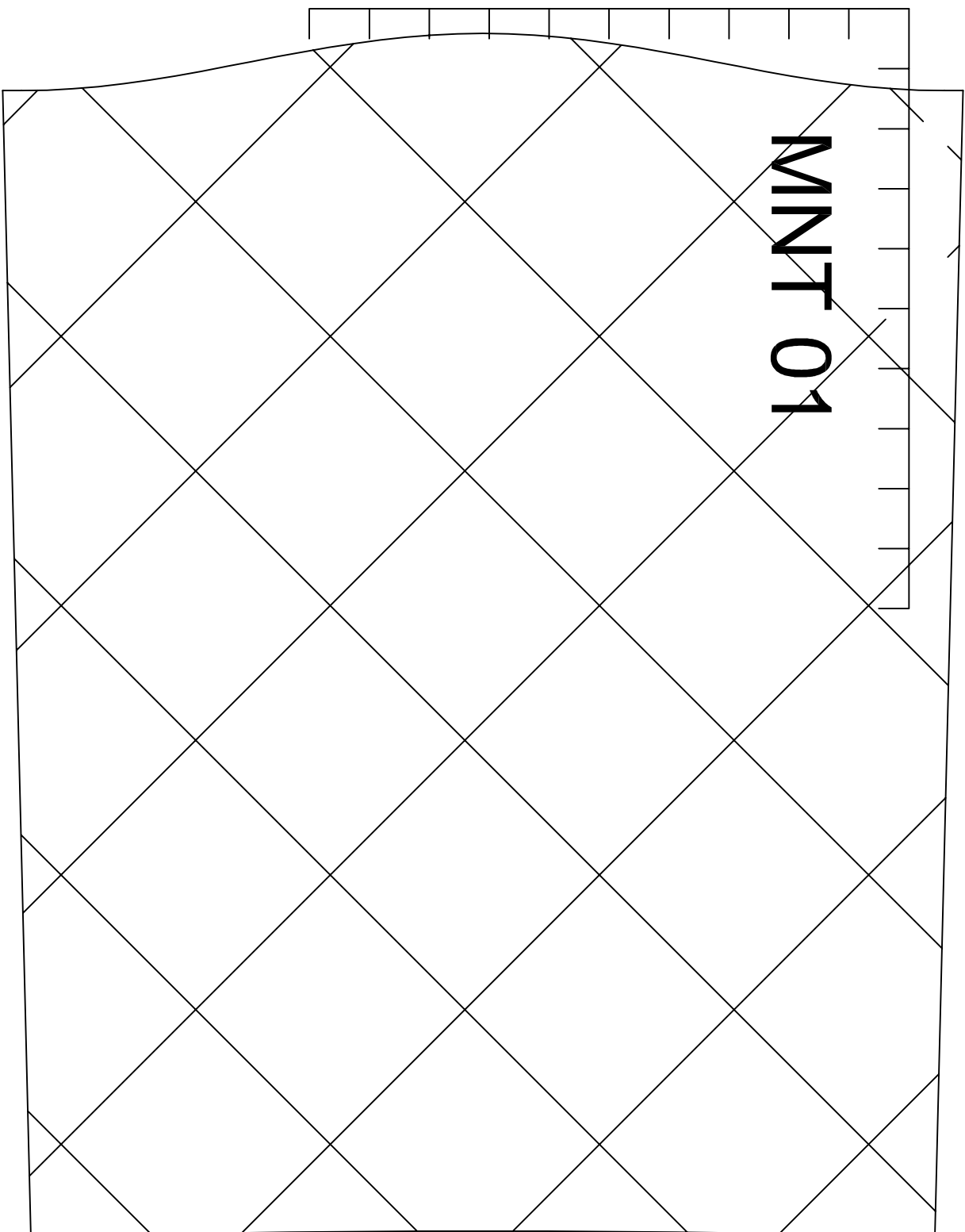
MNC 01



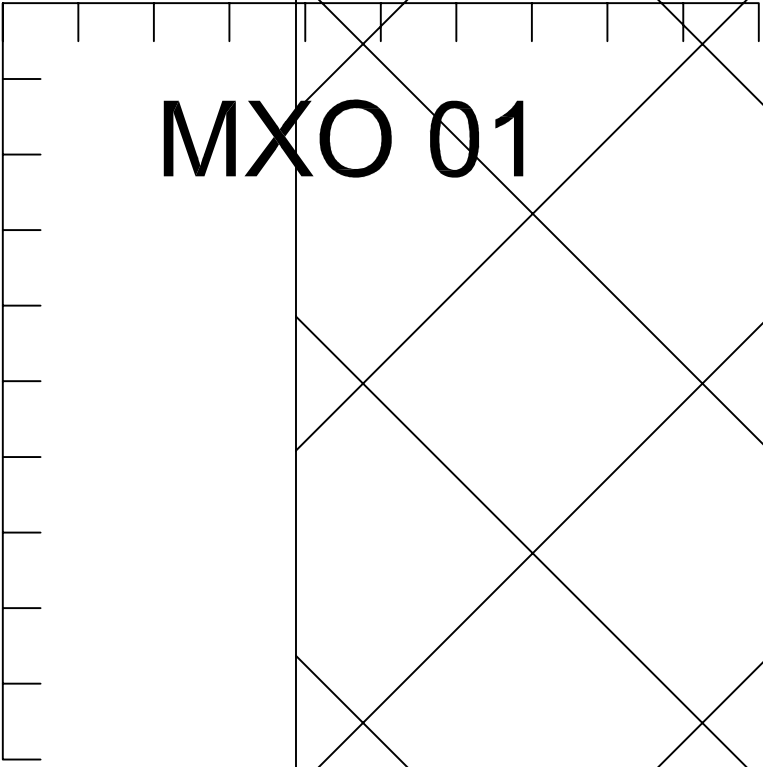


MNT 01



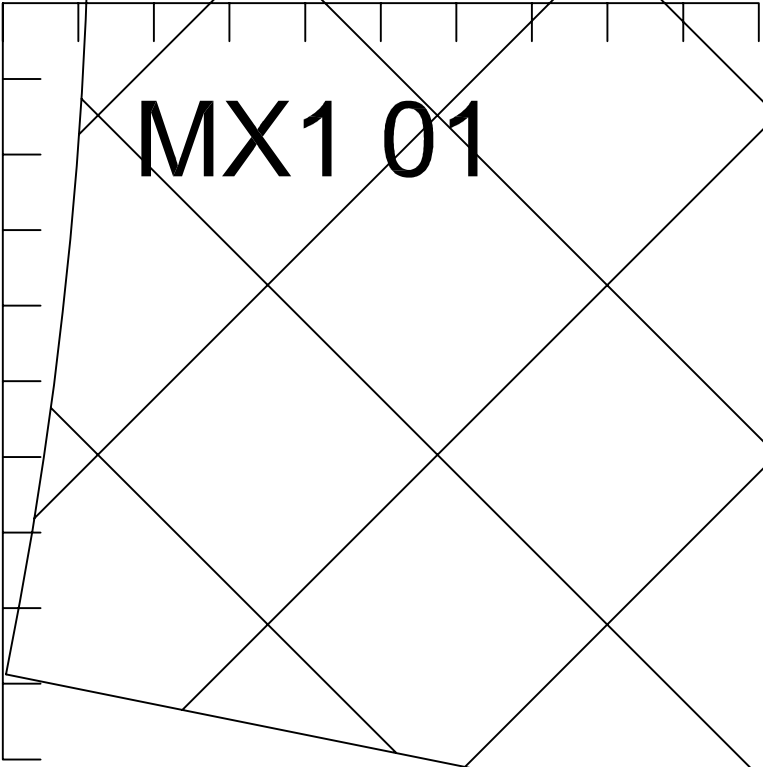


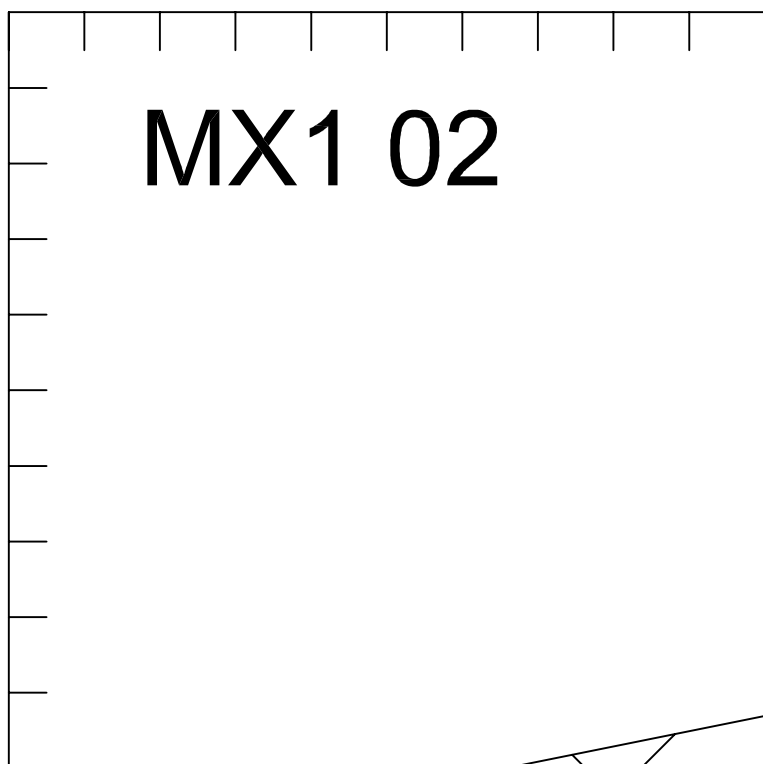
MNT 01



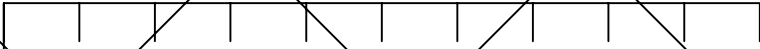
**MXO 01**

**MXO 02**

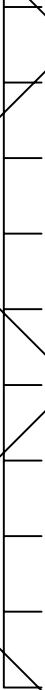




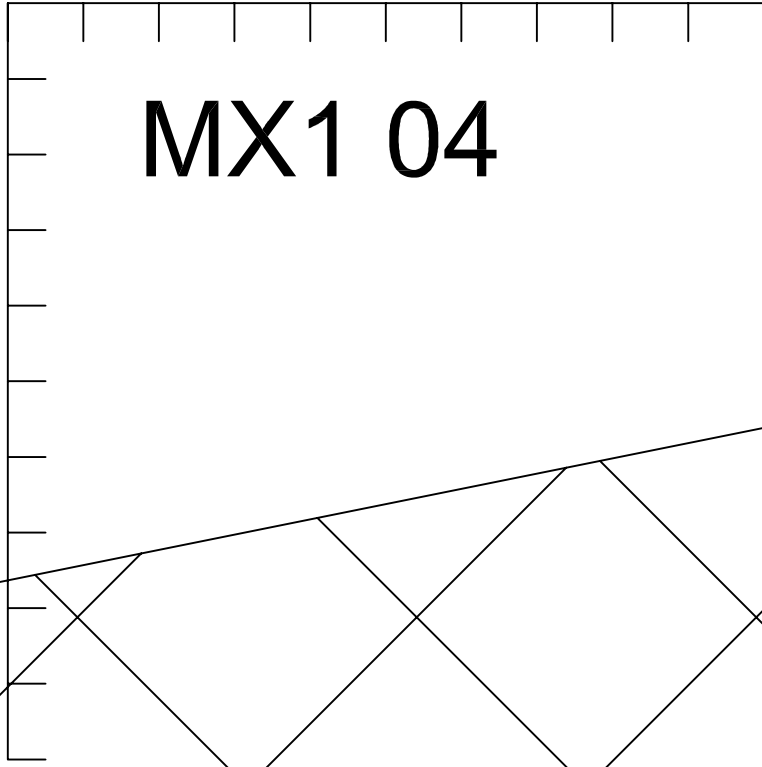
MX1 02

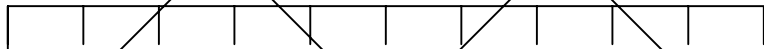


**MX1 03**



**MX1 04**

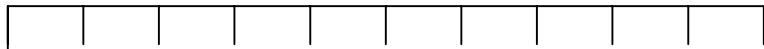




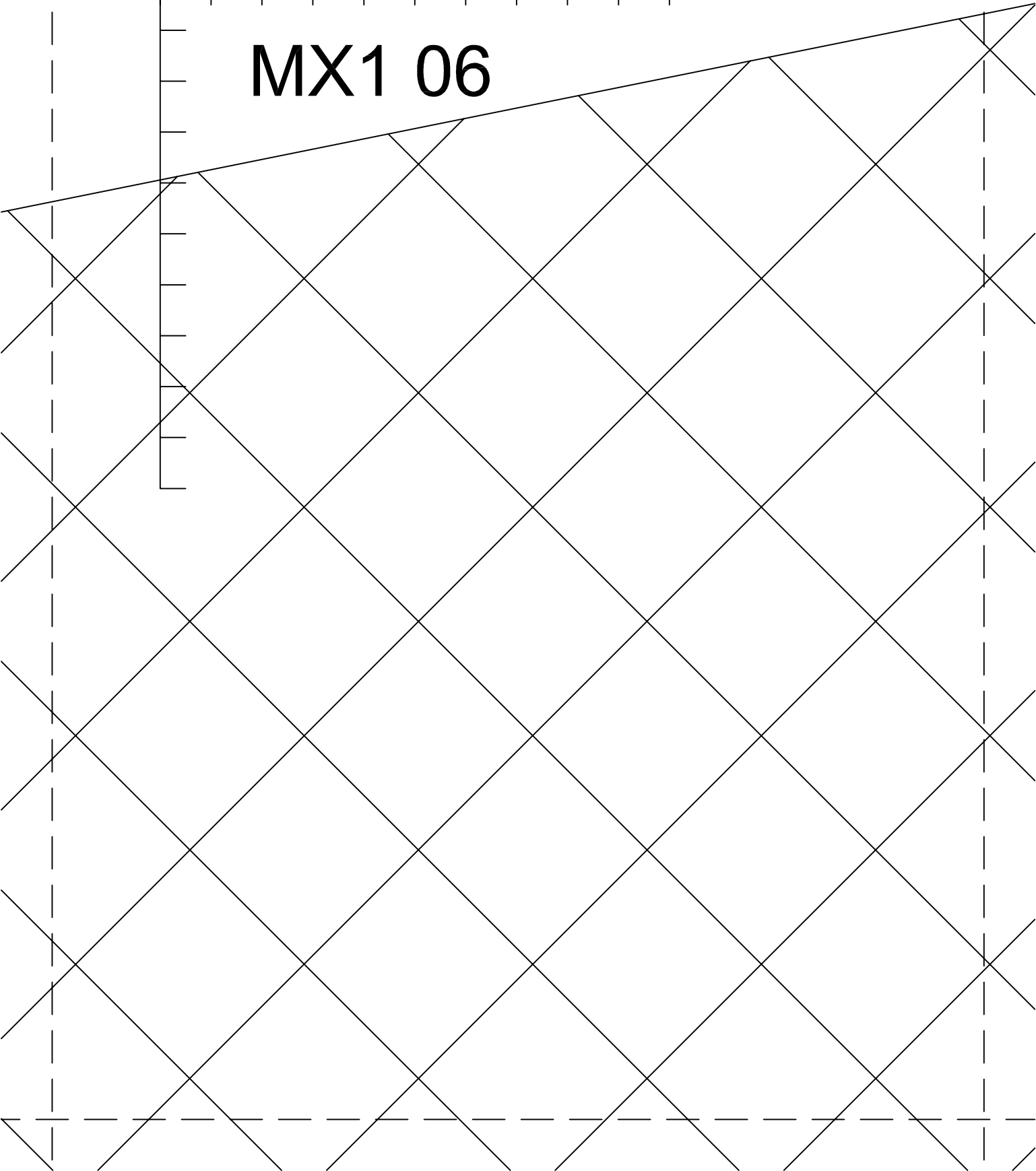
**MX1 05**

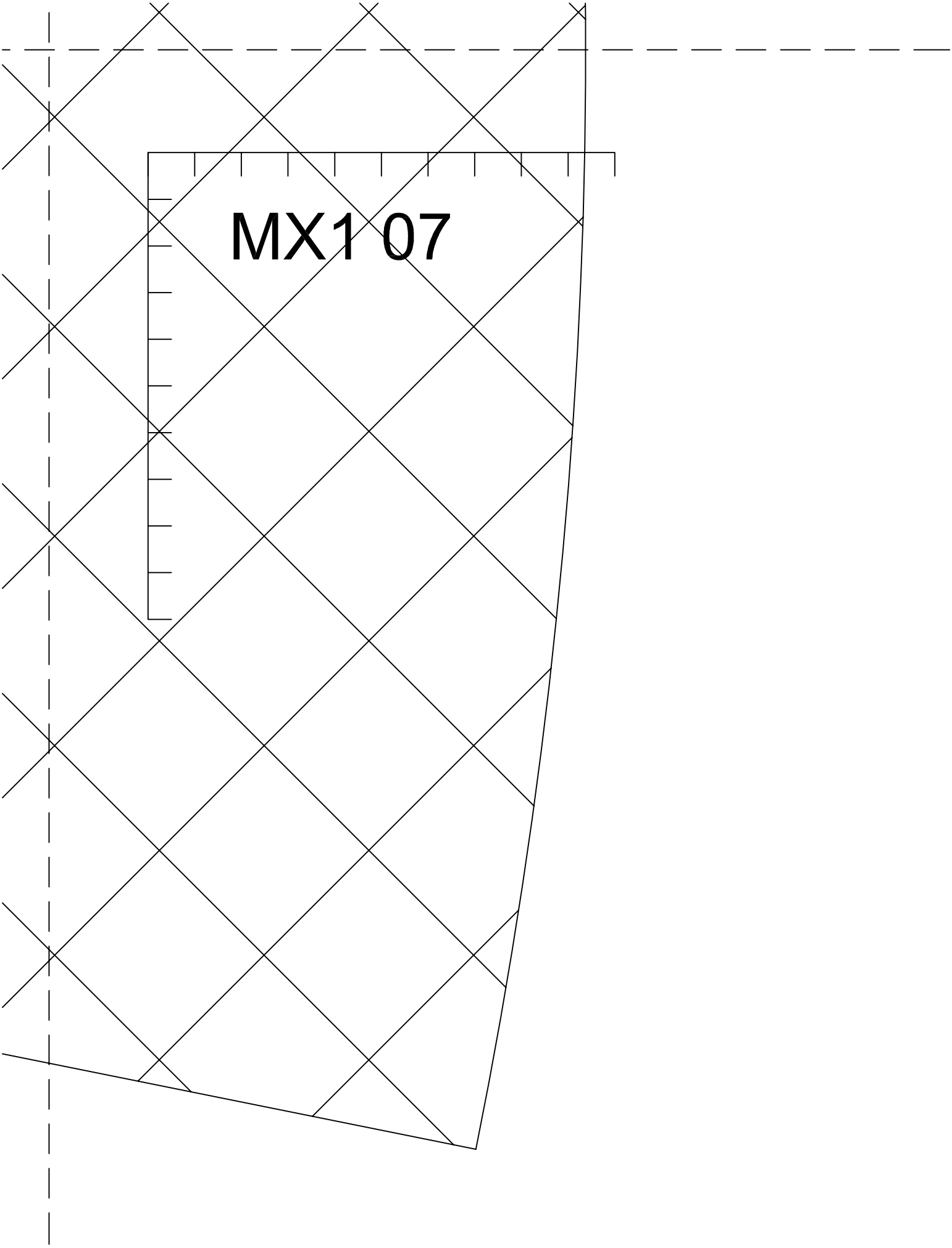




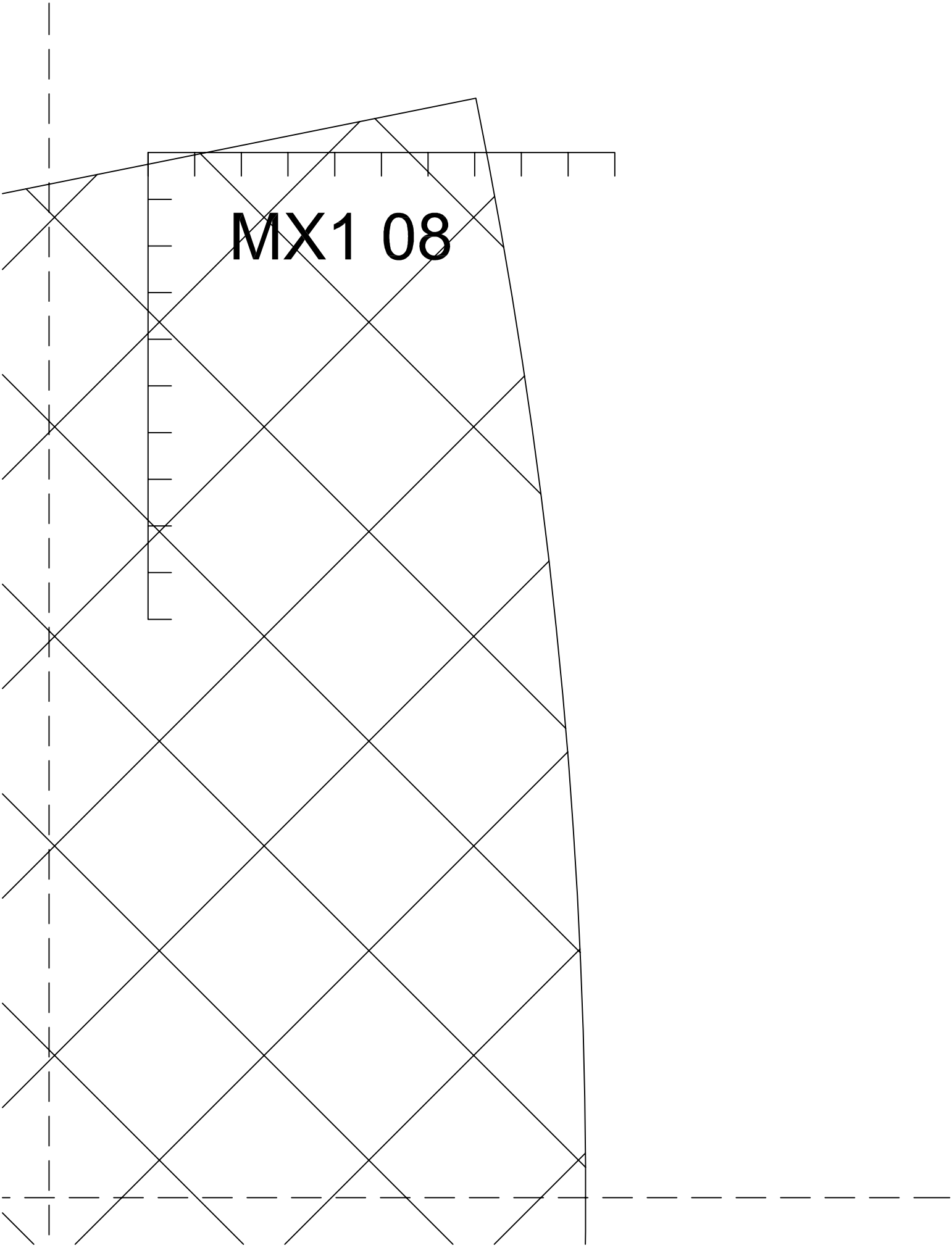


**MX1 06**

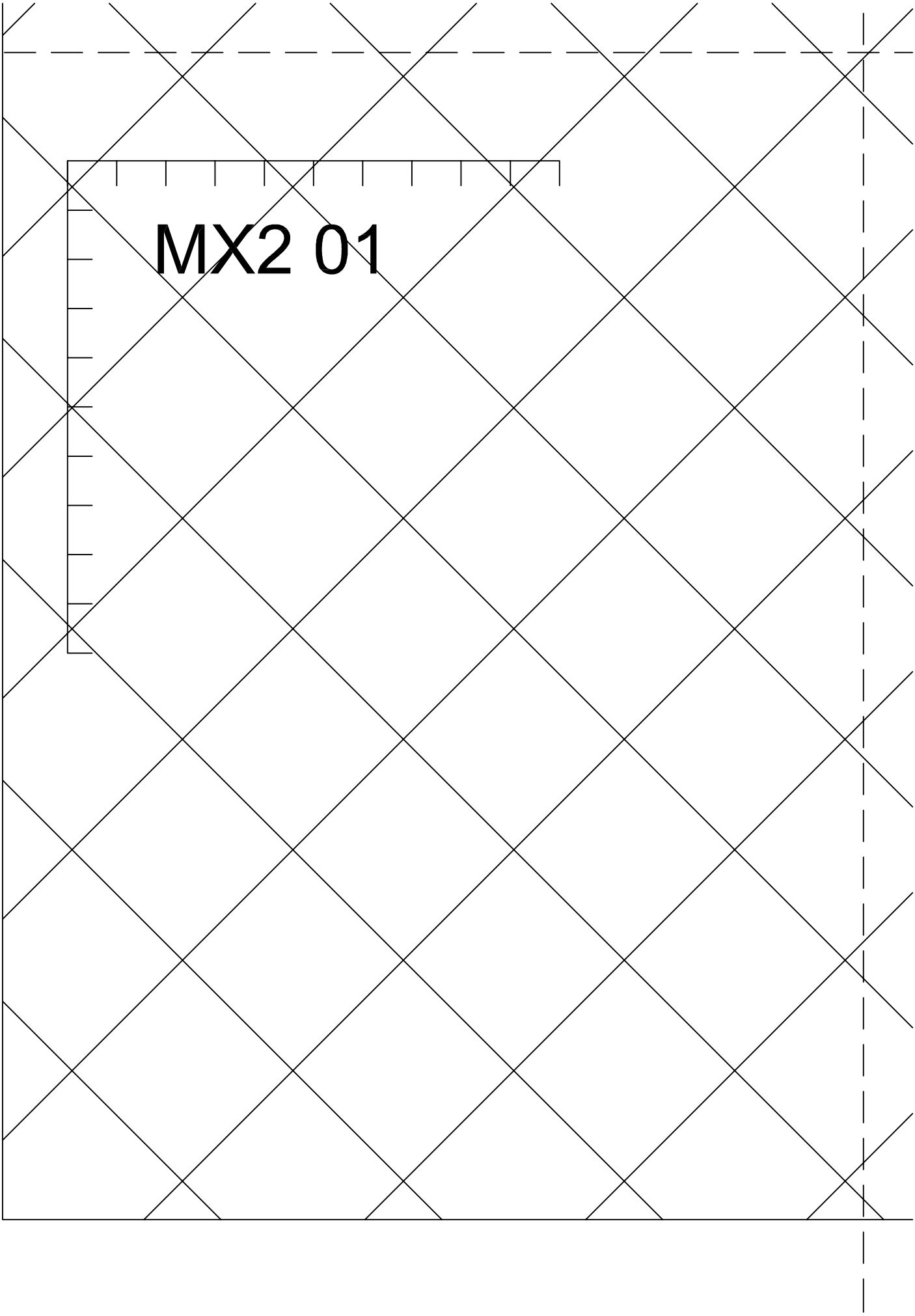




**MX1 07**

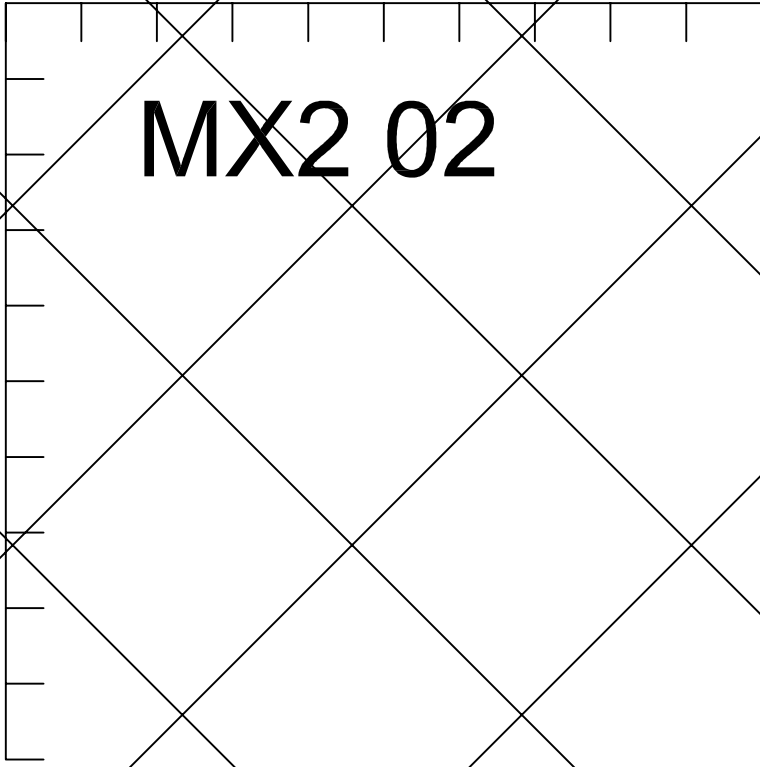


**MX1 08**



**MX2 01**

**MX2 02**





MX2 03

This technical drawing features a diamond-shaped mesh pattern. A scale bar is positioned at the top left, with a horizontal scale from 0 to 10 and a vertical scale from 0 to 10. The text 'MX2 03' is centered within the mesh. Dashed lines indicate the boundaries of the drawing area.

