

BOM LIST			
FIND NUMBER	PART NAME	MATERIAL	QTY
1	LAUNCHER RUNWAY	CARDBOARD	1
3	LAUNCHER SUPPORT	CARDBOARD	1
5	LAUNCHER SUPPORT	CARDBOARD	1
7	LAUNCHER HORIZONTAL SUPPORT	CARDBOARD	1
9	ELASTIC BAND	RUBBER	1
11	PAPER AEROPLANE TEMPLATE	PAPER	1
13	PAPERCLIP	METAL	1

GENERAL NOTES:

G01: CAREFULLY CUT THE COMPONENTS DETAILED IN SHEET 2 TO THE SUGGESTED DIMENSIONS.

G02: ASSEMBLE THE PAPER AEROPLANE LAUNCHER, INSTALLING THE ELASTIC BAND LAST.

G03: PRINT A MARSHALL PAPER AEROPLANE TEMPLATE AND FOLD ALONG THE LINES IN NUMBER ORDER. (SOME LINES MAY REQUIRE YOU TO UNFOLD AND REFOLD TO FIND).

G04: CAREFULLY BEND AND INSTALL A PAPERCLIP IN THE FRONT OF THE PAPER AEROPLANE AS SHOWN IN FIGURE 1

G05: DECORATE YOUR LAUNCHER.

G06: DEVELOP YOUR PAPER PLANE AND LAUNCHER TO INCREASE THE DISTANCE YOU'RE PAPER PLANE CAN FLY. EXPERIMENT WITH DIFFERENT MATERIALS AND LAUNCHING TECHNIQUES.

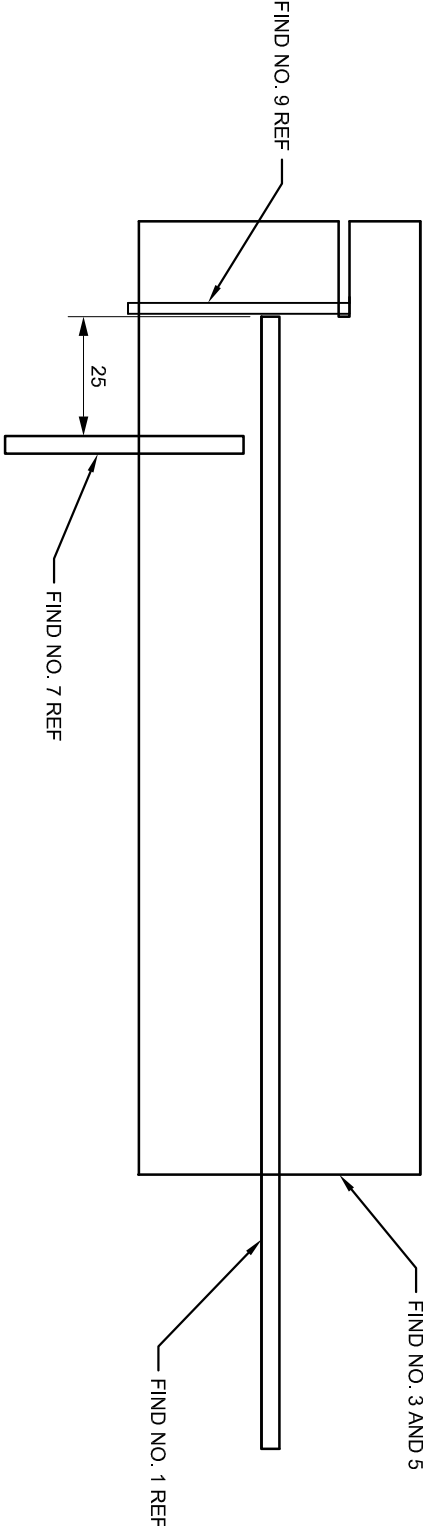
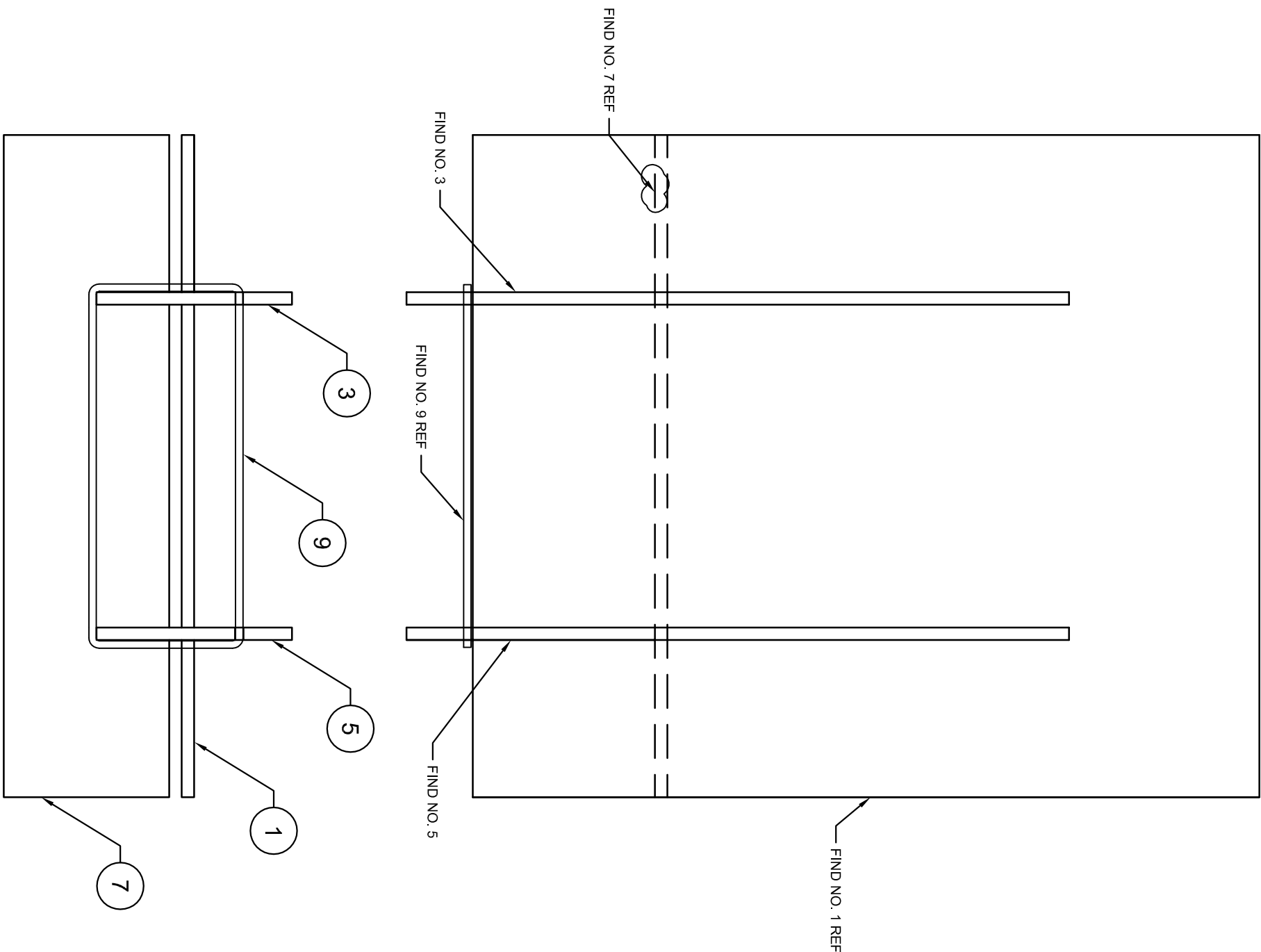
G07: FILM YOUR FURTHEST PAPER PLANE LAUNCHES AND SUBMIT TO US BY UPLOADING TO TWITTER OR FACEBOOK, USING THE HASH TAG #MarshallRAT FOR YOUR CHANCE TO FEATURE IN OUR LIVE STREAM AND WIN A PRIZE! POINTS WILL BE AWARDED FOR FLIGHT LENGTH, CREATIVITY AND INNOVATION.

FLAG NOTES:

F01: SLOT WIDTHS ARE TO MATCH THE THICKNESS OF CARDBOARD USED.

F02: INCREASE THIS DIMENSION TO CHANGE THE LAUNCH ANGLE. RECORD WHAT DIMENSIONS YOU USE AND YOUR PAPER AEROPLANE FLIGHT DISTANCE AND PLOT ON A GRAPH.

F03: CHANGE THESE DIMENSIONS TO SUIT YOUR SIZE AND STRENGTH OF ELASTIC BAND.



PAPER PLANE LAUNCHER ASSEMBLY

SEE SEPARATE BILL OF MATERIAL (BOM).			
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TITLE	NTS	DO NOT SCALE	3RD ANGLE
PAPER AEROPLANE LAUNCHER	DRG NO.	MILLIMETERS (mm)	REV
	M0000215		1
	SHEET 1 OF 2 SHEETS		