| NO. | REVISION | DATE | APP. |
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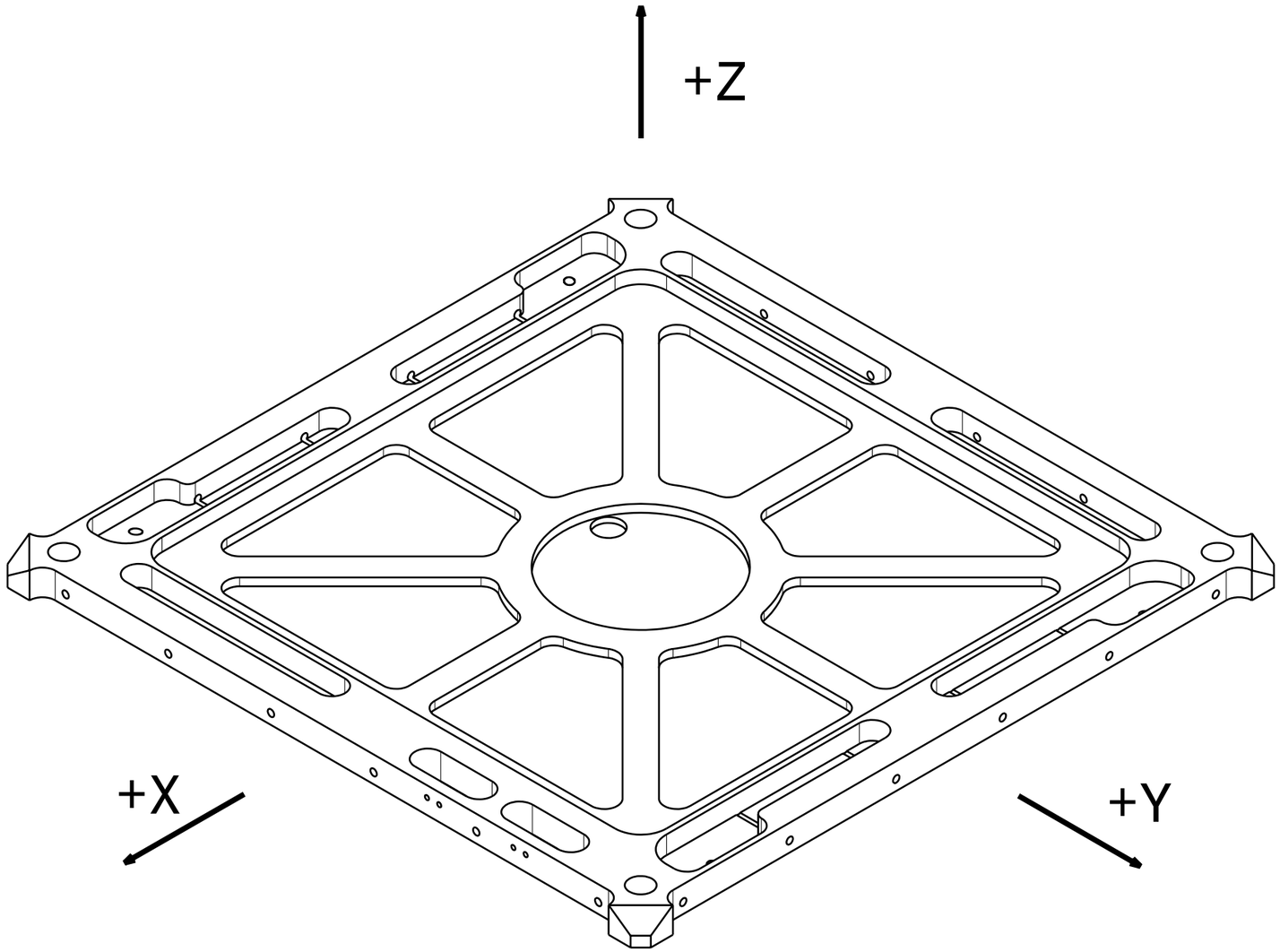


NOTES: 1) See MECH-0205 for tools to be used
2) The baseplate (Tray 0) on the left shows the +X face which contains 4 small screw holes that pass into two small slots, the +Z face which contains a number of ribs and slots, and the +Y axis forming a right-handed co-ordinate system.

ALL DIMENSIONS ARE IN MM

TOLERANCES (UNLESS OTHERWISE SPECIFIED):
DIMENSIONS = ±.025
ANGLES = ±1°

CATIA DRAWING - TO BE MANUFACTURED USING CNC MILL, NOT MANUALLY
USE SYMMETRY TO CALCULATE DIMENSIONS

ULSSD BLUESAT UNSW STUDENT SATELLITE PROJECT

All dimensions are in mm

DRAWN Christopher Hales | DATE 23/5/2008

MATERIAL Aluminium 6061-T6 | WEIGHT ---

TITLE

# MACHINING INFO FOR TRAY 0

SIZE A3 | DWG. NO. MECH-0204-23May08 | REV. 1.0

SCALE -:- | RELEASED 23/05/2008 | SHEET 1/2

| NO. | REVISION | DATE | APP. |
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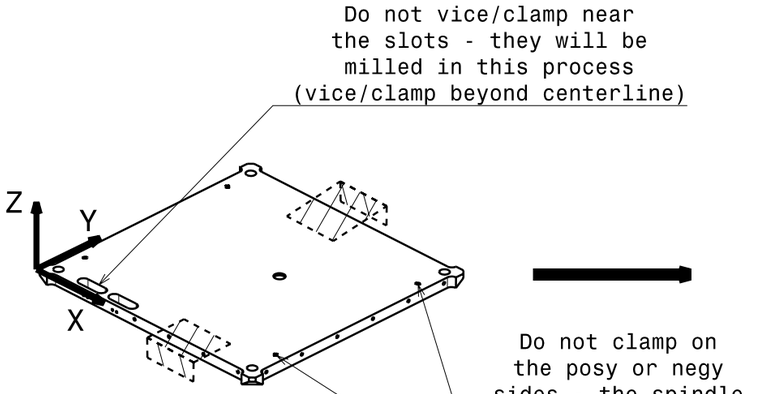
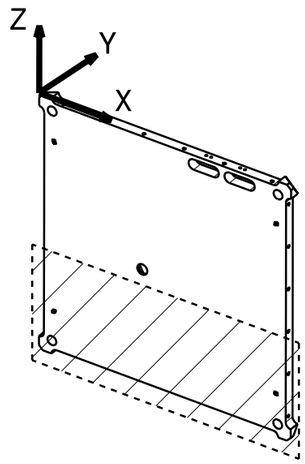
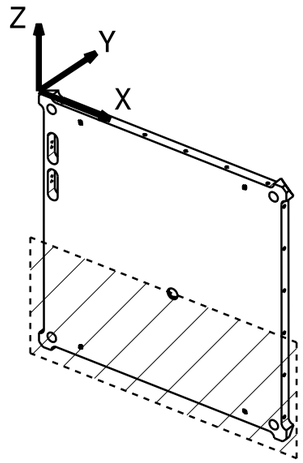


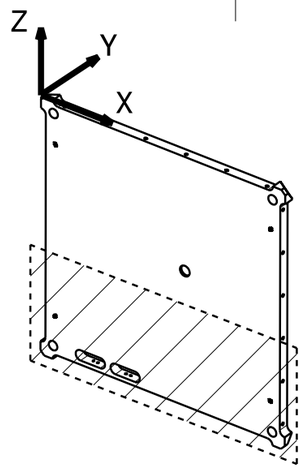

PROCESS 1 - NEGZ




PROCESS 2 - POSX

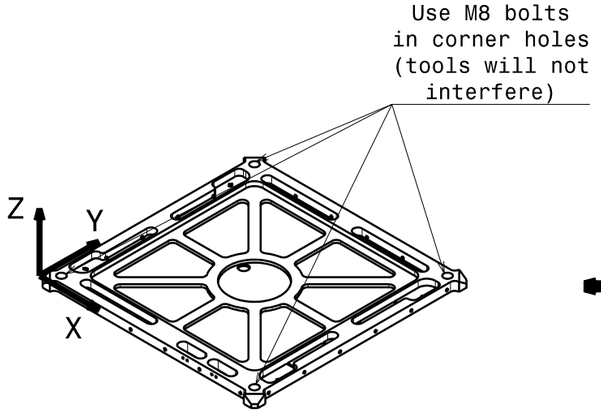



PROCESS 3 - POSY

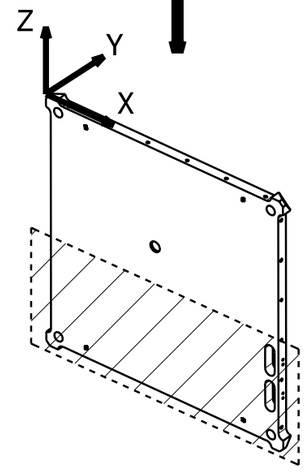



PROCESS 4 - NEGX

NOTES:
1) The name of each process refers to the face of Tray 0 being machined
2) The machining axes for each process, as shown, have been placed according to the original stock material. ALWAYS use the outermost dimensions for setting up the machining axes
3) The machining axes align the Z-axis with the tool axis, and the X-axis along the longest dimension for the process face. Note the location of the two small slots when positioning for each of the processes
4) All but process 6 use a vice grip to hold the stock material (process 1 could use clamps instead). The shaded areas indicate the placement for one side of this symmetric clamp. For process 6, M8 bolts should be used to hold down the corners of the tray. Note that NO machining of the corners will need to take place in process 6 (this will have been carried out in earlier processes)




PROCESS 6 - POSZ




PROCESS 5 - NEGY

ALL DIMENSIONS ARE IN MM

TOLERANCES (UNLESS OTHERWISE SPECIFIED):
DIMENSIONS = ±.025
ANGLES = ±1°

CATIA DRAWING - TO BE MANUFACTURED USING CNC MILL, NOT MANUALLY
USE SYMMETRY TO CALCULATE DIMENSIONS

ULSSD BLUESAT UNSW STUDENT SATELLITE PROJECT

All dimensions are in mm

| DRAWN | DATE |
|---|---|
| Christopher Hale | 23/5/2008 |
| MATERIAL: Aluminium 6061-T6 | WEIGHT: --- |

TITLE

# MACHINING INFO FOR TRAY 0

| SIZE | DWG. NO. | REV. |
|---|---|---|
| A3 | MECH-0204-23May08 | 1.0 |
| SCALE -:- | RELEASED 23/05/2008 | SHEET 2/2 |