Mati: Alum. 6061 T651
Part requires multi-step process.
1) Machine all surfaces and holes (unless noted) leaving 0.030inch extra material.
   (At least 0.020inch of material is to be removed from all surfaces.)
2) Deliver part to Cornell for stress relief process (Liquid Nitrogen cold shock).
3) Machine all surfaces and holes (unless noted) leaving 0.010inch extra material.
   (At least 0.010inch of material is to be removed from all surfaces.)
4) Deliver part to Cornell for stress relief process (Liquid Nitrogen cold shock).
5) Machine all surfaces and holes to final specifications.

Technical questions, including clarifications and proposals for exceptions, are to be directed to
Dan Peterson
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607-255-8784
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NOTE: This is the Bounding Box. It is an abstract geometrical shape, within which the Mounting Bracket is defined.
Dowel holes have location tolerance 0.001 inch true position.
Surface features have tolerance +/- 0.005 inch within a frame defined by the dowel holes.

Certification measurements for the dowel holes are shown on sheet 6.

Dowel holes may be made in process step 5 without pre-drilling in previous steps.

This sheet shows specifications for profile dimensions and precision dowel holes.
Holes specified on this sheet have position tolerance +/- 0.005 inch within a frame defined by the dowel holes.

This sheet shows specifications of:

- clearance holes for screws mating to 6080-104 (30 PLCs),
- clearance holes for screws mating to 6080-102 (2 PLCs), and
- thread holes for extraction of this part from 6080-102 (40 PLCs).
Holes specified on this sheet have position tolerance +/- 0.005 inch within a frame defined by the dowel holes.

This sheet shows specifications for strain relief holes.
This sheet shows certification measurements.