H.Tracy Hall
1711 North Lambert Ln.
Provo, Utah 84601

May 16, 1977

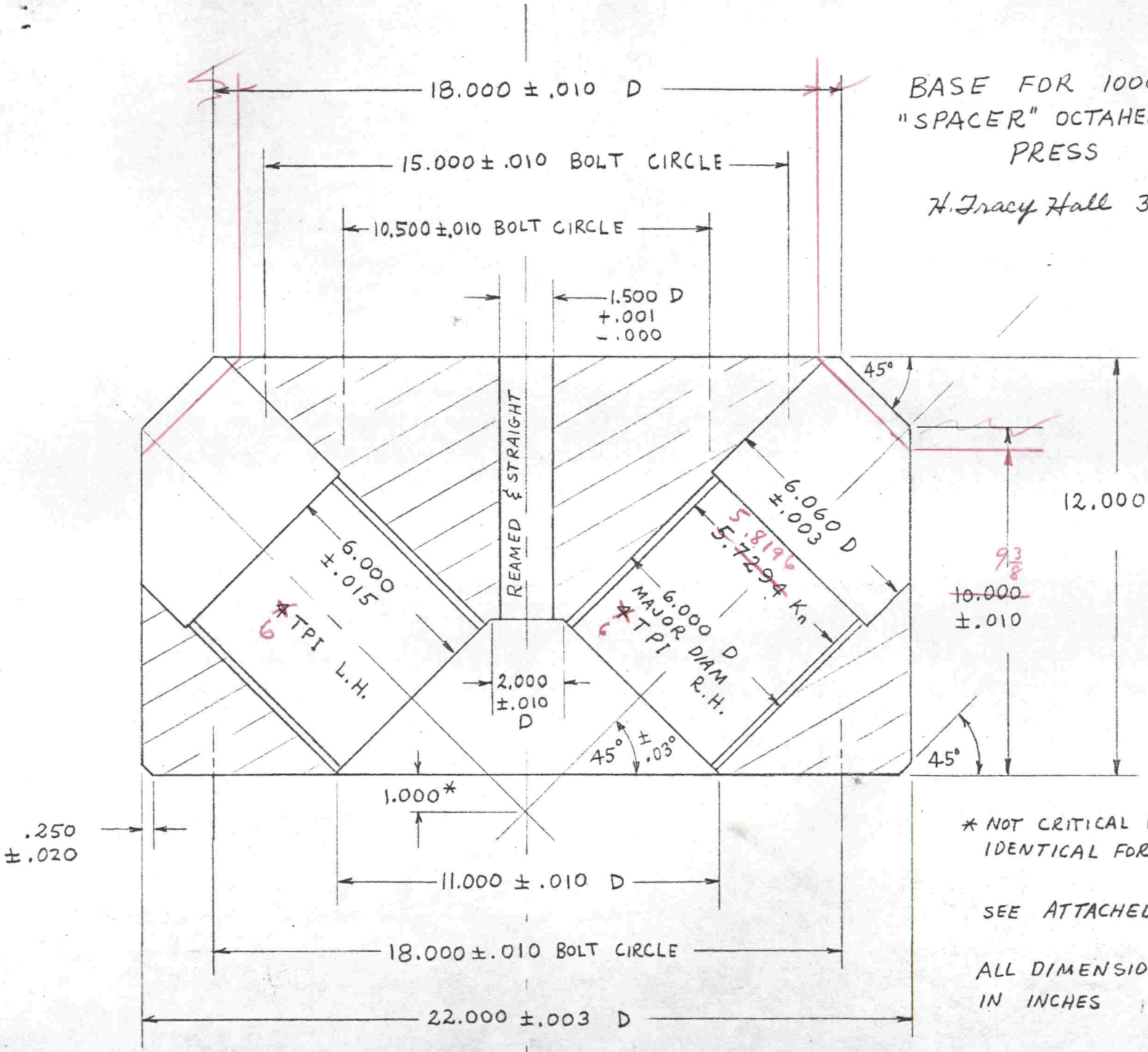
Research Machine Shop
Brigham Young University
Provo, Utah 84601

This letter constitutes an order for the construction of six (6) each Bases for 1000 ton "SPACER" octahedral press according to the attached print and specifications. I will supply the 4340 alloy steel forgings and am ordering only the machining work that is to be done. I will pay the standard rate of $14.00 per hour for this work. The press that I am building is as usual experimental and new ideas are being tried that may or may not work. At sometime in the future I hope that someone will buy the press and thereby make it possible to recoup my expenses in order that I may continue my research work to improve high pressure equipment. I am requesting that the work be completed no later than September 15, 1977.

Sincerely,

H. Tracy Hall

H. Tracy Hall
Distinguished Professor of Chemistry
and Chemical Engineering
Brigham Young University



BASE FOR 1000 TON
"SPACER" OCTAHEDRAL FRAME
PRESS

H. Tracy Hall 3 May 1977

* NOT CRITICAL BUT MUST BE IDENTICAL FOR ALL BASES ± .001

SEE ATTACHED NOTES

ALL DIMENSIONS ARE IN INCHES

40004758

Notes: 1. 6 each required

Base for 1000 ton "Spacer" Octahedral Frame Press

2. Matl: Forged & Rough turned (22¼D x 12¼L) aircraft Quality 4340 steel heated to Rc 28-32.

3. Blanchard grind top & bottom surfaces flat & parallel

4. Opposite threaded holes are opposite hand making 2 ea L.H. and 2 ea. R.H. threads in each base. Two RH holes adjoin each other and 2 LH holes adjoin each other

5. Bolt Circles:

Top (a) 10.500" D circle. 12 equispaces but the 4 threaded holes that would line up with the tie bar apes; i.e., that are directly above the tie bar holes, are omitted. Holes are $\frac{7}{8}$"-9 x 1½" deep. use bottoming tap on the eight threaded holes.

(b) 15.000" D Circle. 12 equispaced ½"-13 x 1 inch deep. Four of the holes are directly over the 6" holes in the base. use bottoming tap.

Bottom 18.000" D circle: 12 equispaces with the four holes that would line up with the tie-bar holes in the base are omitted. The remaining 8 holes are threaded $\frac{7}{8}$-9 x 1½" deep. use bottoming tap.

6. All dimensions are in inches.

H. Tracy Hall

3 May 1977