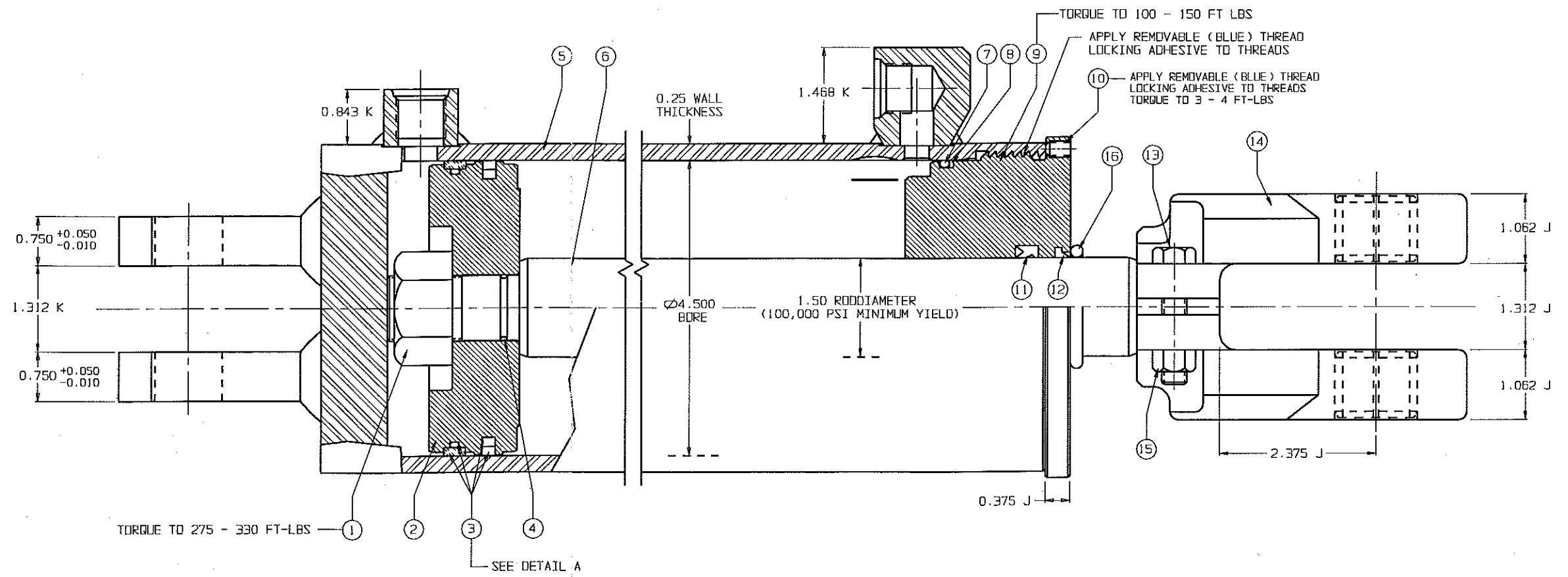
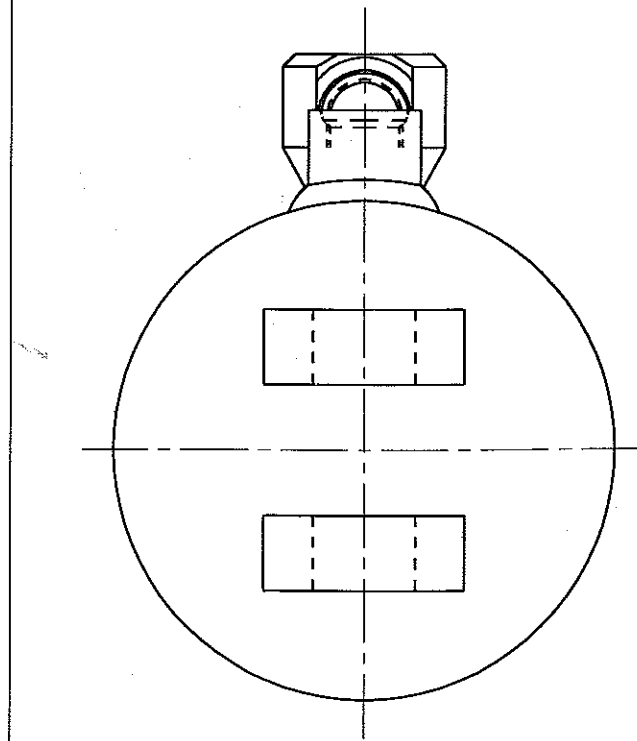
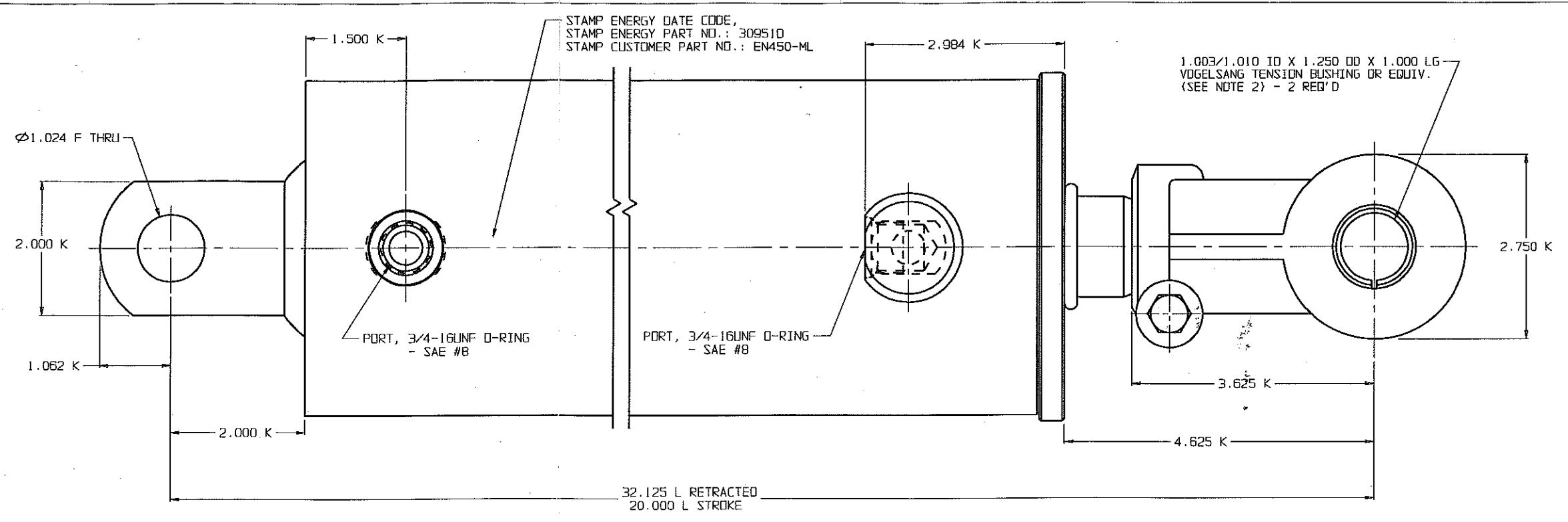
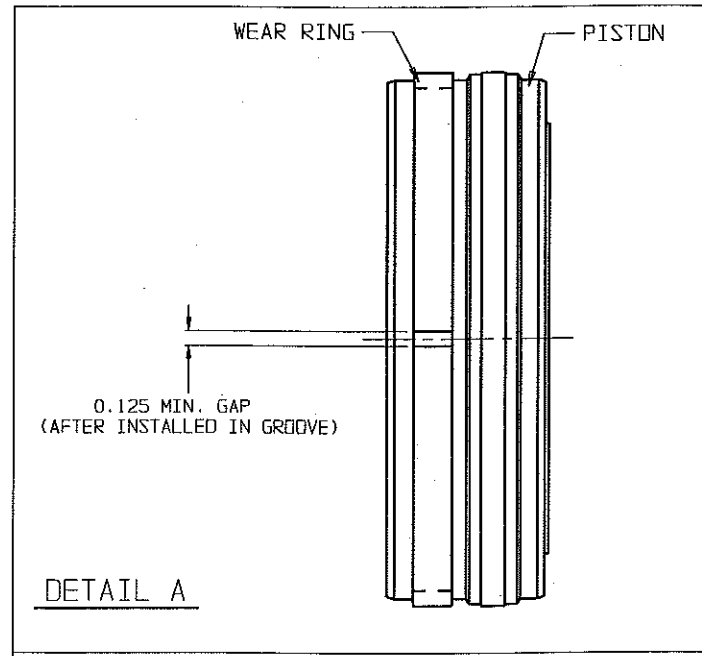




CYLINDER RATING			
CYLINDER PRESSURE RATING	3,000 PSI		
OPERATING TEMPERATURE RANGE	-40 F TO 200 F		
MINIMUM STRUCTURAL SAFETY FACTOR	1.4:1		
MINIMUM WALL BURST PRESSURE	8,925 PSI		
MAXIMUM RECOMMENDED ROD SPEED	100 FT/MIN.		
MINIMUM RECOMMENDED ROD SPEED	5 FT/MIN.		
*** ROD SPEEDS UNDER 5 FT/MIN MAY CAUSE SEAL NOISE DUE TO STICK/SLIP.			
RECOMMENDED MAXIMUM COLUMN LOAD AT FULL EXTENSION WITH 2:1 SAFETY FACTOR, NO SIDE LOAD, PINNED ENDS AND NO INTERMEDIATE BRACING	20,245 LBS (1,260 PSI)		
BORE :	4.500	STOP TUBE :	0
ROD, DIA. :	1.500	FINISH :	55/65 BLACK
STROKE :	20.000	ROD FINISH :	HARD CHROME

NOTE: 1) CYLINDER WILL REPHASE AT THE END OF THE EXTEND STROKE. TWO SLOTS ON GROOVED END OF CYLINDER. SLOTS SET FOR 0.250 DROP BACK.

2) NO PAINT ALLOWED IN HOLE

SEAL KIT: 30968X
PINS: NOT FURNISHED

TRIPLE C. MFG.
PART NO.: EN450-ML

30951D REPLACES 030951D

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DO NOT SCALE PRINT		01 ISSUE DRAWING		07.27.06	SA
UNLESS OTHERWISE SPECIFIED Letters after dimensions defines tolerances as follows:		Third Angle Projection.		No.	Rev.
A +/- 0.0005	B +/- 0.010	H. Treat:		ENERGY MFG. CO., INC.	
B +/- 0.0005	H +/- 0.020	Finish:		Title: CHD-4520, 1.50 ROD, B1, R1, SP	
C +/- 0.0005	J +/- 0.020	Drawn by: SA 07.27.06		Checked by:	Approved by:
D +/- 0.001	K +/- 0.020	Scale: 1:1		30951D	01
E +/- 0.002	L +/- 0.125				
F +/- 0.005	Angle 1/2°				