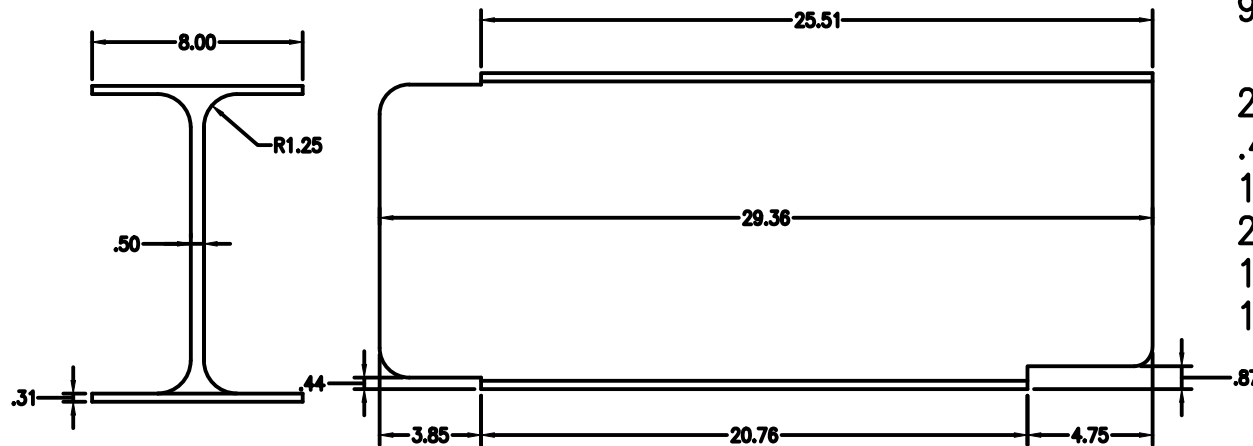



fill in dimension make 1/8 smaller all around



BEAM $29.36 / 12 = 2.446'$
 $2.446 \times 40 = 97.87 \text{ LB.}$
 $97.87 \times \$0.83 = \81.23

2 NOTCHES
 $.44 \times 3.85 \times 8 = 13.55 \text{ CU IN}$
 $13.55 \times 2 = 27.1$
 $27.1 \times .283 = 7.67 \text{ LB}$
 1 NOTCH $.44 \times 4.75 \times 8 = 16.72$
 $16.72 \times .283 = 4.73 \text{ LB}$
 $97.87 - 7.67 - 4.73 = 85.47 \text{ LB}$

				 Milwaukee Area Technical College 700 West State Street Milwaukee, WI 53214		NAME		DATE		CAD FILE NO.	
						DWN: Darrel		8/31/05		PROJECT: WELDTC-107	
REV				DATE		DESCRIPTION		NAME		TITLE	
MATERIAL:				DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED		CHK:		PLOTTED:		12 X 40 Short Beams	
STOCK SIZE:				X.X ±0.03		SCALE 1:1		SHEET SIZE A			
HEAT TREATMENT:				X.XX ±0.015		X.XXX ±0.005		ANGLES ±1/2°		SHEET NO. 1 OF 1	
										DWG.No. 102-1002	