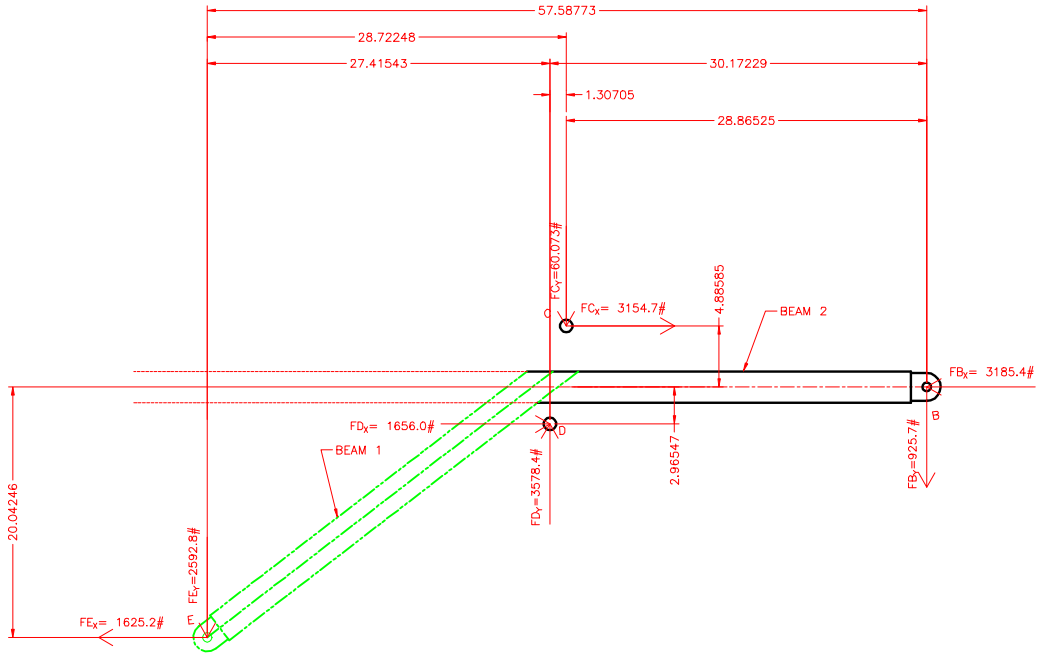
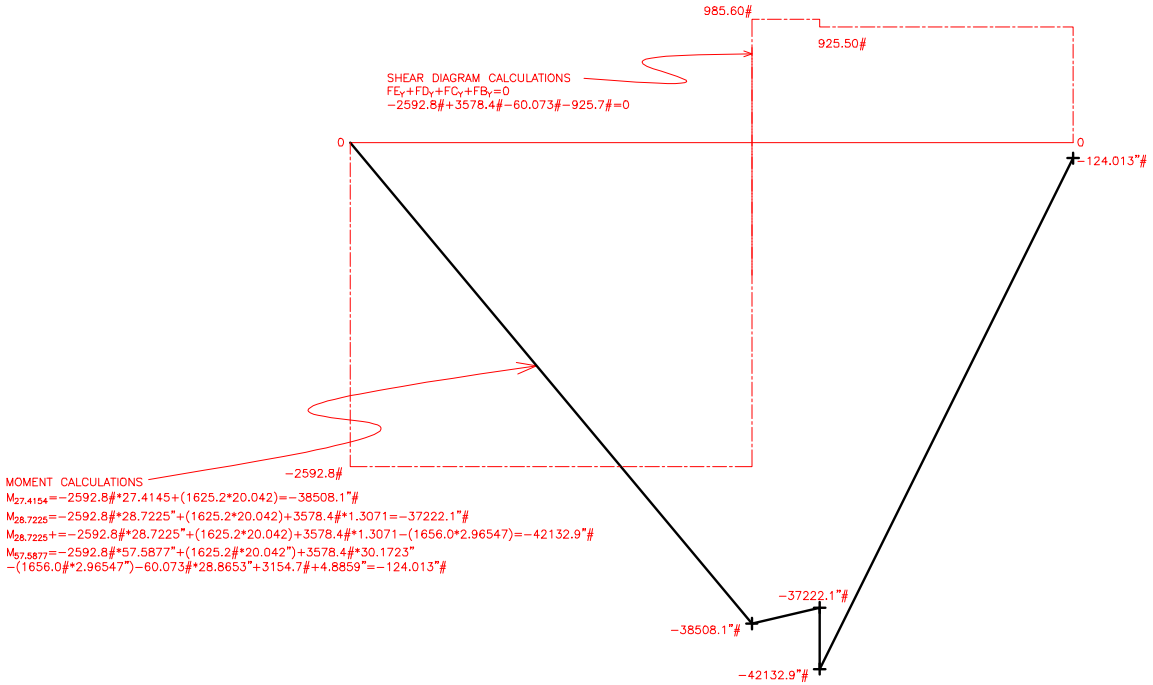

57.58773
28.72248
27.41543
30.17229
1.30705
28.86525
FC_Y=60.073#
FC_X= 3154.7#
4.88585
C
BEAM 2
FB_X= 3185.4#
B
FD_X= 1656.0#
D
BEAM 1
FD_Y=3578.4#
2.96547
FB_Y=925.7#
20.04246
FE_Y=2592.8#
FE_X= 1625.2#
E


985.60#
925.50#
SHEAR DIAGRAM CALCULATIONS
FE_Y+FD_Y+FC_Y+FB_Y=0
−2592.8#+3578.4#−60.073#−925.7#=0
0
0
−124.013"#
−2592.8#
MOMENT CALCULATIONS
M_27.4154=−2592.8#*27.4145+(1625.2*20.042)=−38508.1"#
M_28.7225=−2592.8#*28.7225"+(1625.2*20.042)+3578.4#*1.3071=−37222.1"#
M_28.7225+=−2592.8#*28.7225"+(1625.2*20.042)+3578.4#*1.3071−(1656.0*2.96547)=−42132.9"#
M_57.5877=−2592.8#*57.5877"+(1625.2#*20.042")+3578.4#*30.1723"
−(1656.0#*2.96547")−60.073#*28.8653"+3154.7#+4.8859"=−124.013"#
−37222.1"#
−38508.1"#
−42132.9"#