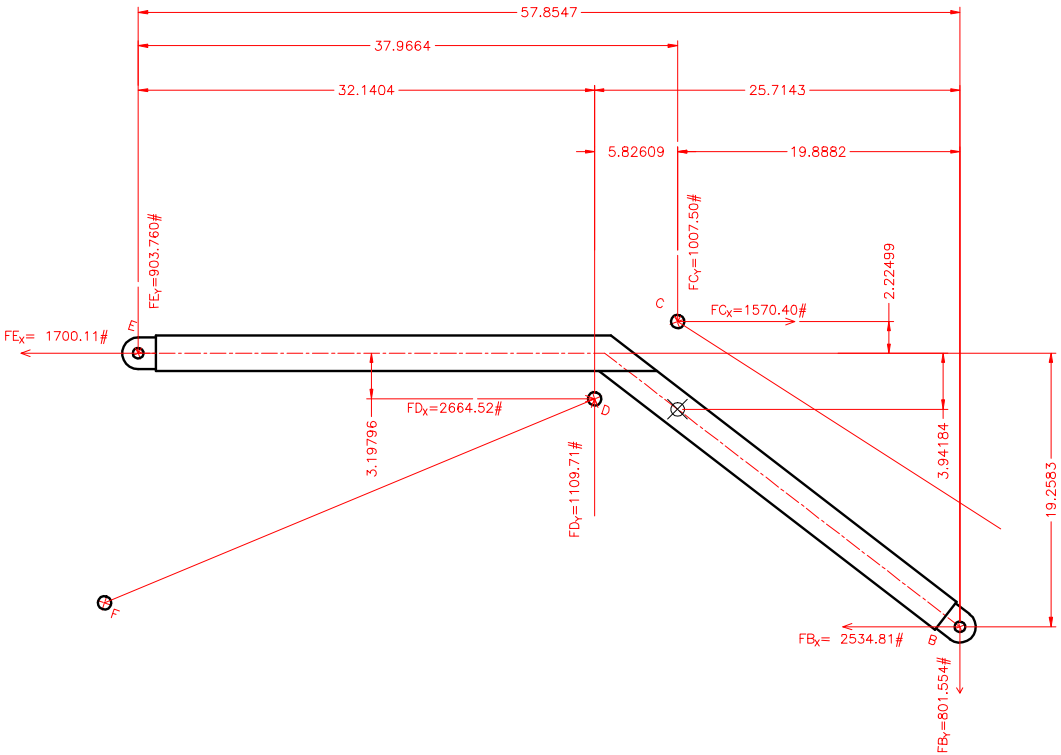

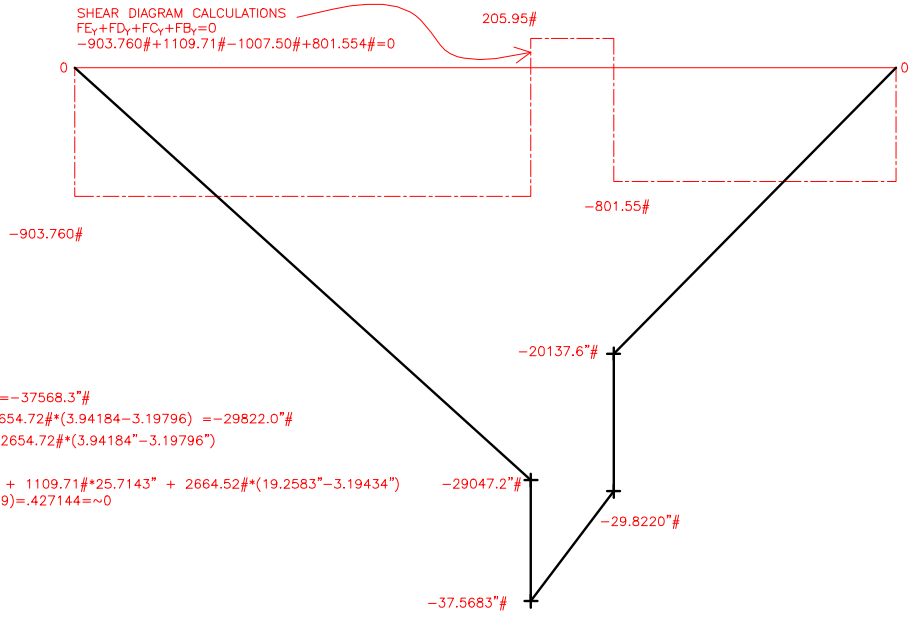

MOMENT CALCULATIONS

$M_{32.1404}$=−903.760#*32.1404=−29047.2"#

$M_{32.1404}$+=−903.760#*32.1404"−2664.52#*3.19796" =−37568.3"#

$M_{37.9665}$=−903.760#*37.9664"+1109.71#*5.82609"−2654.72#*(3.94184−3.19796) =−29822.0"#

$M_{37.9665}$+=−903.760#*37.9664"+1109.71#*5.82609"−2654.72#*(3.94184"−3.19796")
+1570.40#*(3.94184"+2.22499") =−20137.6"#

$M_{57.8547}$=−903.760#*57.8547" − 1007.50#*19.2583" + 1109.71#*25.7143" + 2664.52#*(19.2583"−3.19434")
−1007.50#*19.8882" + 1570.40#*(19.2583"+2.22499)=.427144=~0