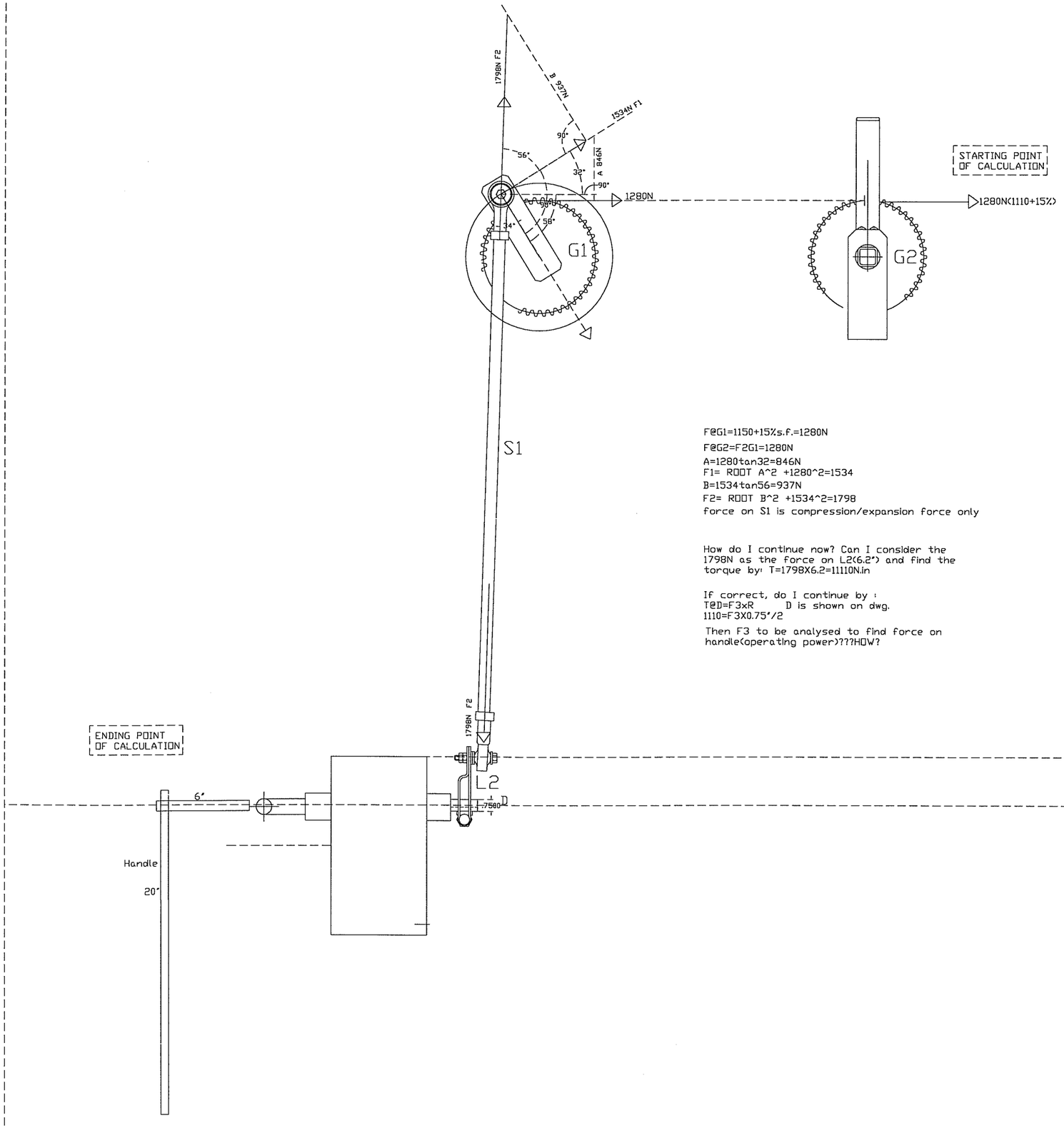

F@G1=1150+15%s.f.=1280N

F@G2=F2G1=1280N

A=1280tan32=846N
F1= ROOT A^2 +1280^2=1534
B=1534tan56=937N
F2= ROOT B^2 +1534^2=1798
force on S1 is compression/expansion force only

How do I continue now? Can I consider the 1798N as the force on L2(6.2") and find the torque by: T=1798X6.2=11110N.in

If correct, do I continue by :
T@D=F3xR D is shown on dwg.
1110=F3X0.75"/2

Then F3 to be analysed to find force on handle(operating power)???HOW?