Straight Pipes (ASME B31.3 par. 304.1)

Design conditions	
Project name	
Design pressure	P = [psig]
Design temperature	T = [°F]
Material	
Name	
Basic allowable stress	S = [ksi]
Component geometry	
Diameter	D = [in]
Thickness	t_{nom} = [in]
Factors/Tolerances	
Quality factor	E = [-]
Weld joint factor	W = [-]
Corrosion tolerance	c = [in]
Manufacturer's thickness tolerance	Mill = [%]
Coefficient	Y = [-]
Condition (P/SE ≤ 0.385)	-
Results	
Minimum wall thickness	T = [in]
Pressure design thickness	t = [in]
Minimum required thickness	t_m = [in]
Condition (T ≥ t_m)	-
Maximum allowable pressure	MAWP = [psig]