1. Sketch the cross-sections.

2. Identify the forces and stresses.

3. Calculate the stress using the formula:

\[ \sigma = \frac{F}{A} \]

4. Determine the bending moment.

5. Check for the shear stress and moment.

6. Ensure the design meets the required specifications.

7. Review and finalize the design.
\[ Q = \varepsilon_0 A \frac{\Delta V}{\Delta x} \]

For \( A \): 
- Fringing field


Parallel plane assumption:
- Field lines are straight between plates


Gruss: 
- \( \phi = \frac{E}{\varepsilon_0} A = E_p \)