TN480_approx_ramp_modeling
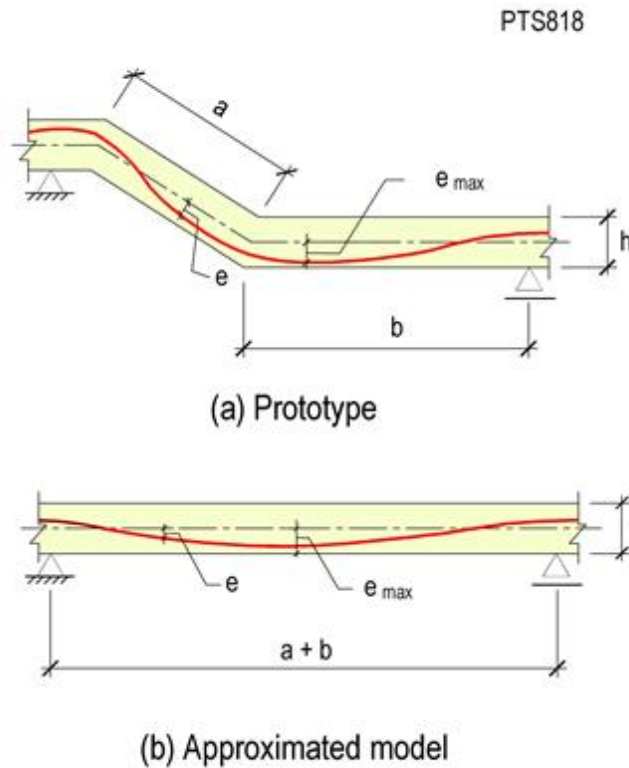
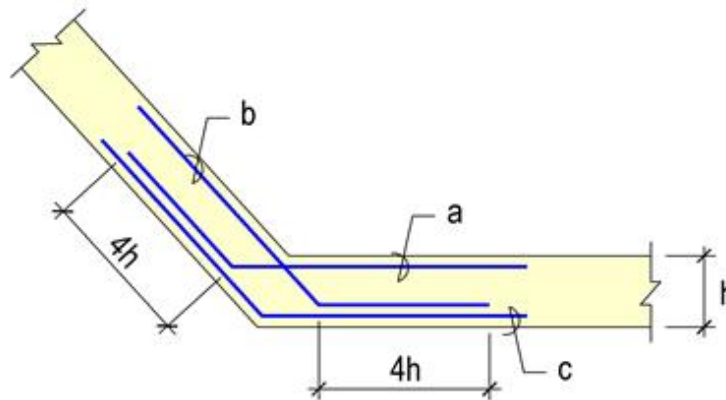# APPROXIMATE MODELING OF RAMPS FOR DESIGN

PTS818

(a) Prototype

(b) Approximated model

➢ Model the ramp as a straight member of uniform thickness with adjusted length as shown in (b).
➢ Detail the tendon in the prototype (a) according to the eccentricities obtained from the analysis model

Add reinforcement at the bent as shown below

Approximate modeling of ramps for design

PTS819

add 3#4 (12mm) bars per 0.5 inch (13mm) tendon

Added reinforcement at bent

Added Reinforcement at Angle Change in Slab