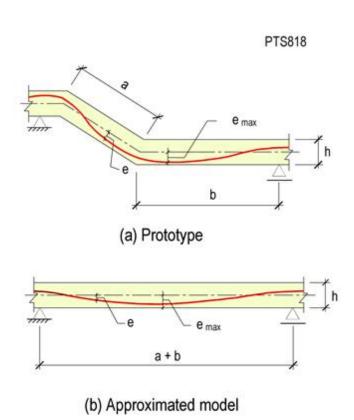


Post-Tensioning Expertise and Design

October 21, 2016

TN480_approx_ramp_modeling

APPROXIMATE MODELING OF RAMPS FOR DESIGN



- 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



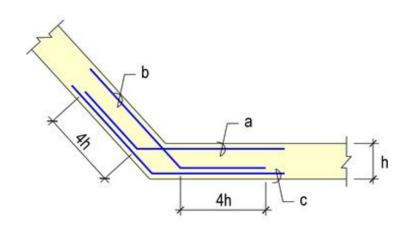




Add reinforcement at the bent as shown below

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

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