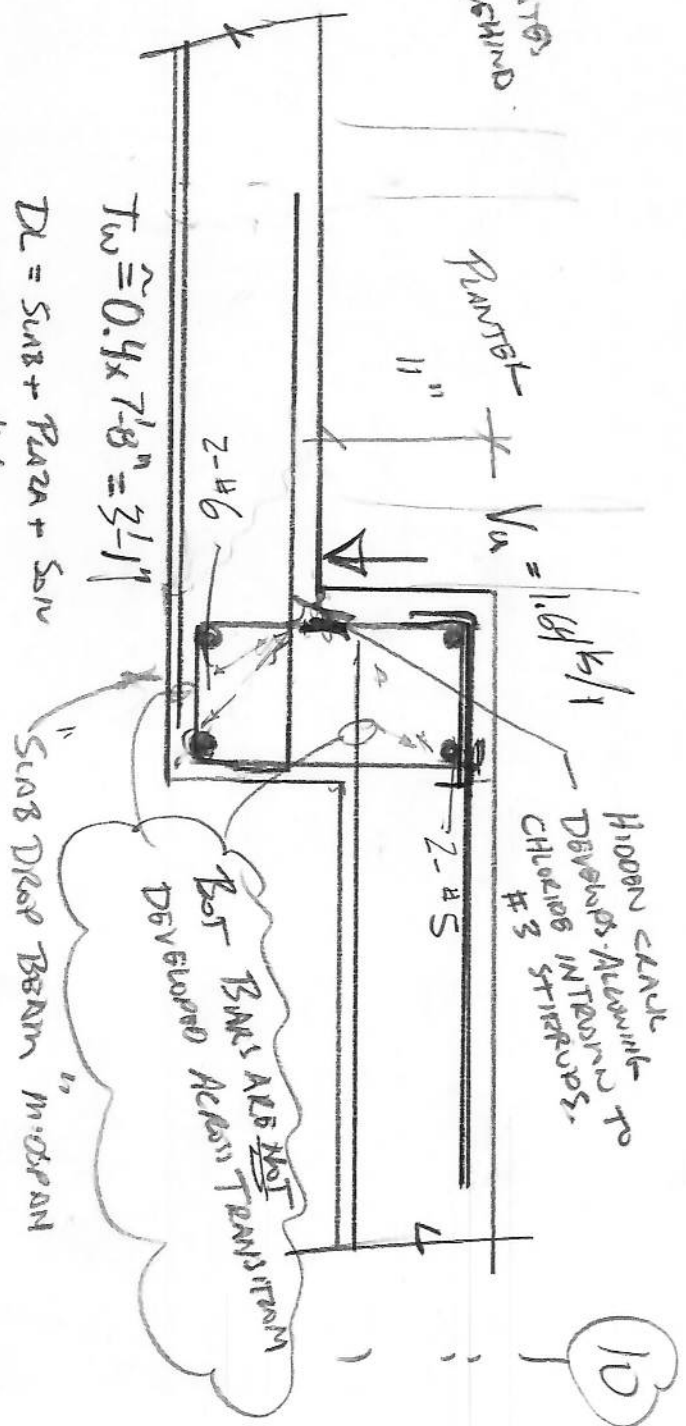


11.1

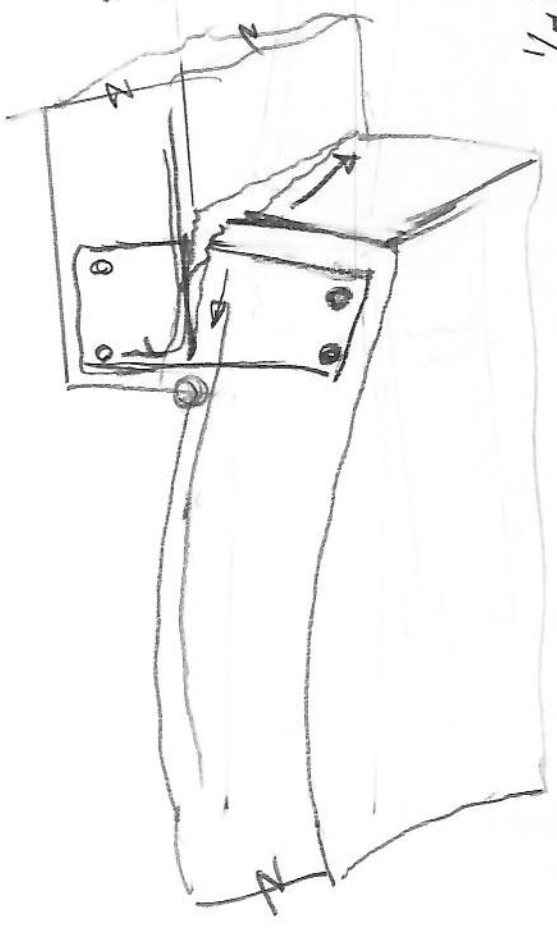
#1 FLEXING JOINTS, HIDDEN CLACK BEHIND PANTERS



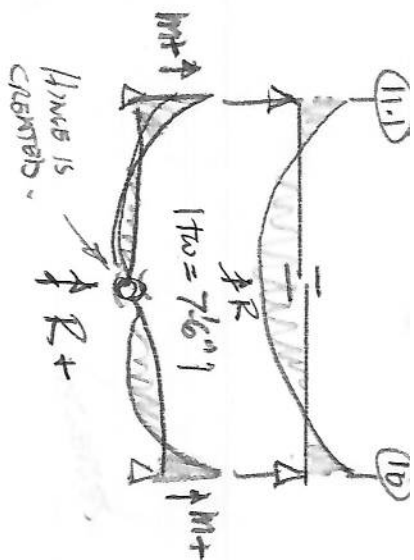
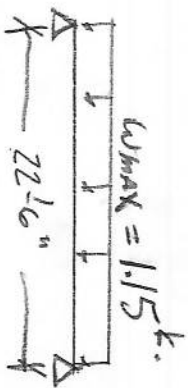
10

$T_w \approx 0.4 \times 7'8" = 3'1"$
 $D_L = S_{UB} + P_{AZA} + S_{DN} \approx 0.4 k/l$
 $V_u = 1.64 k/l$

#2 INTIM #3 STRIP IS FULL DISTRIBUTION AND CEAC PROPAGATE IN DEPTH AND ALONG-BEAM. MOMENT REDISTRIBUTES TO ADJACENT COLUMN LINES. THIS REDISTRIBUTION MAY BE THE CAUSE OF STRUCTURAL NOISE, CRACKS, AND EXPERIENCED DEFLECTIONS.



#3 AS MIDSPAN JOINT FAILS, MOBE LOAD IS PLACED ON SCAB DROP BEAM, $\phi M_n \approx 870 \text{ k}$



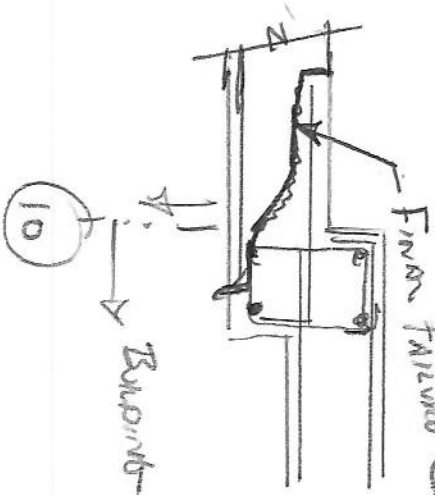
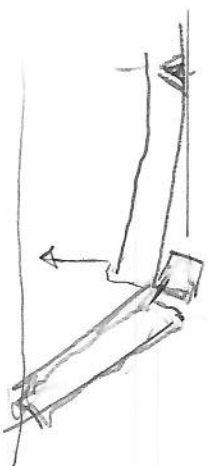
ACTUAL LOAD
 $9\frac{1}{2}'' \text{ SABS} + 5\frac{1}{2}'' \text{ PRAZA} = 0.19 \text{ k/ft}$ $T_w = 7.6''$
 $3\frac{1}{2}'' \text{ SOL}$

$w_{DL} = (0.19 \times 7.5' + 0.24 \times 3') = 2.1 \text{ k/ft} \rightarrow w_{MAX}$

THEORETICALLY, SCAB DROP BEAM STARTS TO YIELD. MOBE NOISE MOBE DEFLECTION,

#4 AS SCAB DROP BEAM FAILS, MOBE MOMENT IS ATTRACTED TO GRID LINES 11.1 AND 10. HOWEVER, SCAB HAS MINIMAL NEGATIVE MOMENT BEHIND. AT GRID 10, THE TOP BARS DEBARRINATE AND THE SCAB FAILS. THIS WOULD BE A LOAD CRASH.

#5. MIDSPAN SCAB DROP BEAM CONTINUES TO YIELD UNTIL FAILURE AT 11.1 (SHEAR, YIELDING?)



#6 FLOWED OF SLAB AT 11.1 REDISTRIBUTES MOMENT + LOAD TO 13.1 WHERE SLAB FANS
 SUPPORTS IN 2-WAY PUNCHING SHEAR - CAUSING PROGRESSIVE COLLAPSE TO ADJACENT SLAB
 COLUMN CORNERS.

#7 SLAB HANGS ON BEAM ATTACHED TO
 COLUMN AT K/D OVERLAPPING COLUMN IN
 MOMENT + AXIAL LOADS.

#8 TYPICAL.

