

Table S2. Modeling variables.

The main considered variables	
a/d	Shear span to depth ratio
RO	Ratio of the main tensile bars
fy	Yield strength of main bars
fcu	Concrete compressive strength
rov	Ratio of vertical web reinforcement (stirrups)
Spt	Stirrups spacing
Fyv	Yield strength of vertical web reinforcement
roh	Ratio of horizontal web reinforcement
Other variables	
b	Beam width
d	Beam effective depth
h	Beam total thickness (height)
a	Horizontal distance between load and support
Lp	Width of the loading plate
Sp	Width of support plate
V/P	Shear load to applied load (one load or two load)
# bars	Number of main bars
Ag	Aggregate size
Std	Vertical web bars diameter
Bd	Diameter of main bars