



PUNCHING SHEAR REINFORCEMENT – STIRRUPS (STORY4)							
ZONE	REINFORCEMENTS (TYPE)	NO. OF STUDS PER RAIL	NO. OF ROWS	NO. LEGS	BAR SIZE	SPACING (in)	DISTANCE TO THE FIRST STIRRUP (in)
C13	2 (A)	9	12	3	#4	4.0	2.0
C14	3 (A)	8	9	3	#4	4.0	2.0
C15	2 (A)	9	12	3	#4	4.0	2.0
C3	2 (A)	8	12	3	#4	4.0	2.0
C6	3 (A)	9	9	3	#4	4.0	2.0
C7	2 (A)	9	6	3	#4	4.0	2.0

PUNCHING SHEAR REINFORCEMENT – HEADED STUDS (STORY4)						
ZONE	NO. OF RAILS (TYPE)	NO. OF STUDS PER RAIL	DIAMETER	HEIGHT (in)	SPACING (in)	DISTANCE TO THE FIRST SHEAR STUD (in)
C1	6 (A)	9	1/2	6.0	4.0	2.0
C2	1 (A)	8	1/2	6.0	4.0	4.0
	4 (A)	9	1/2	6.0	4.0	4.0

Punching Shear Reinforcement (Example drawing)

StruBIM Design