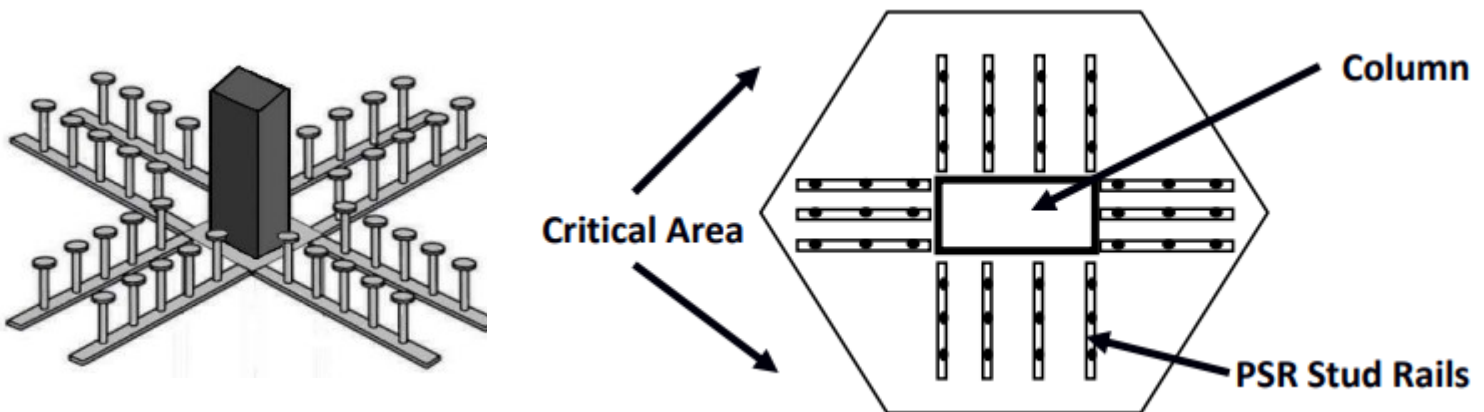


PSR (Punching Shear Resistor) Application

PSR studs are large headed shear connectors that are welded to flat steel bars creating 'stud rails'. They are used for shear reinforcement in flat concrete slabs to replace stirrups and column capitals to resist the punching shear stress in the slabs. By using these 'stud rails' it extends the column perimeter into the floor or foundation slab; therefore reducing the amount of reinforcing bar required in an area. This generates quicker installation and significant reduction in material costs.

- This application method offers several benefits:
 - Eliminates the need for column capitals & stirrups.
 - Increases the punching shear capacity at the base of the concrete columns offers a significant reduction in slab thickness.
 - Reduction of setup and installation time.
 - Decreases the congestion around column/slab connections.
 - Provides higher tensile strength and more ductile performance of the slab.



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