

\* Analysis of two way slab

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Note:  $\frac{l}{s} < 2$

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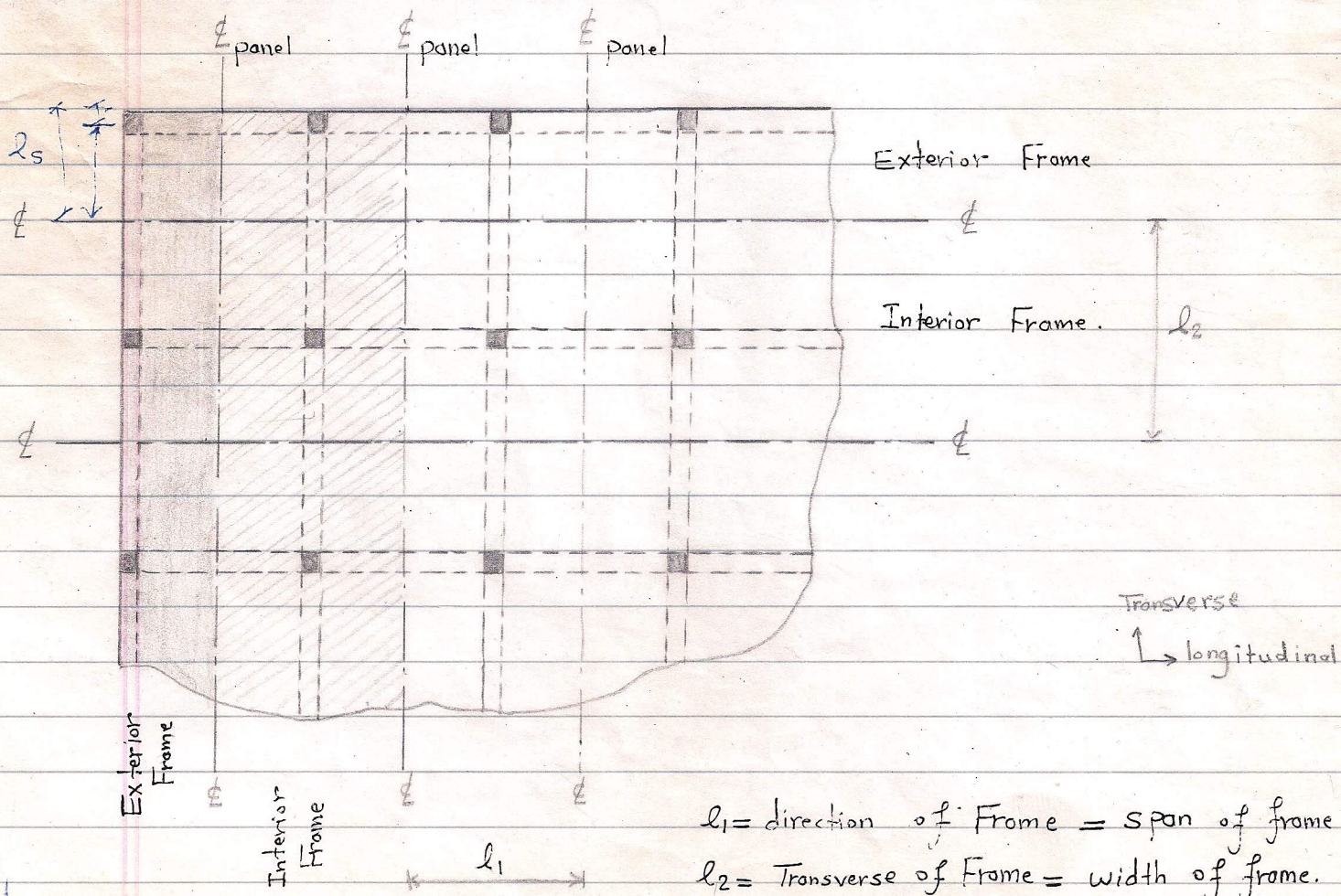
- I - two-way slab with edge beams
- II - Flat plate
- III - Flat slab (with drop panel or Column Capital or both).

\* Design of two-way slabs by the ACI Code

- I - Direct Design method (D.D.M)
- II - Equivalent Frame Method (EFM).

\* General Design Concept of ACI code

1 - Divide the floor into lines midway between the columns. This creates a series of frames in two orthogonal directions.



$l_1 = \text{direction of Frame} = \text{span of frame}$   
 $l_2 = \text{Transverse of Frame} = \text{width of frame.}$

