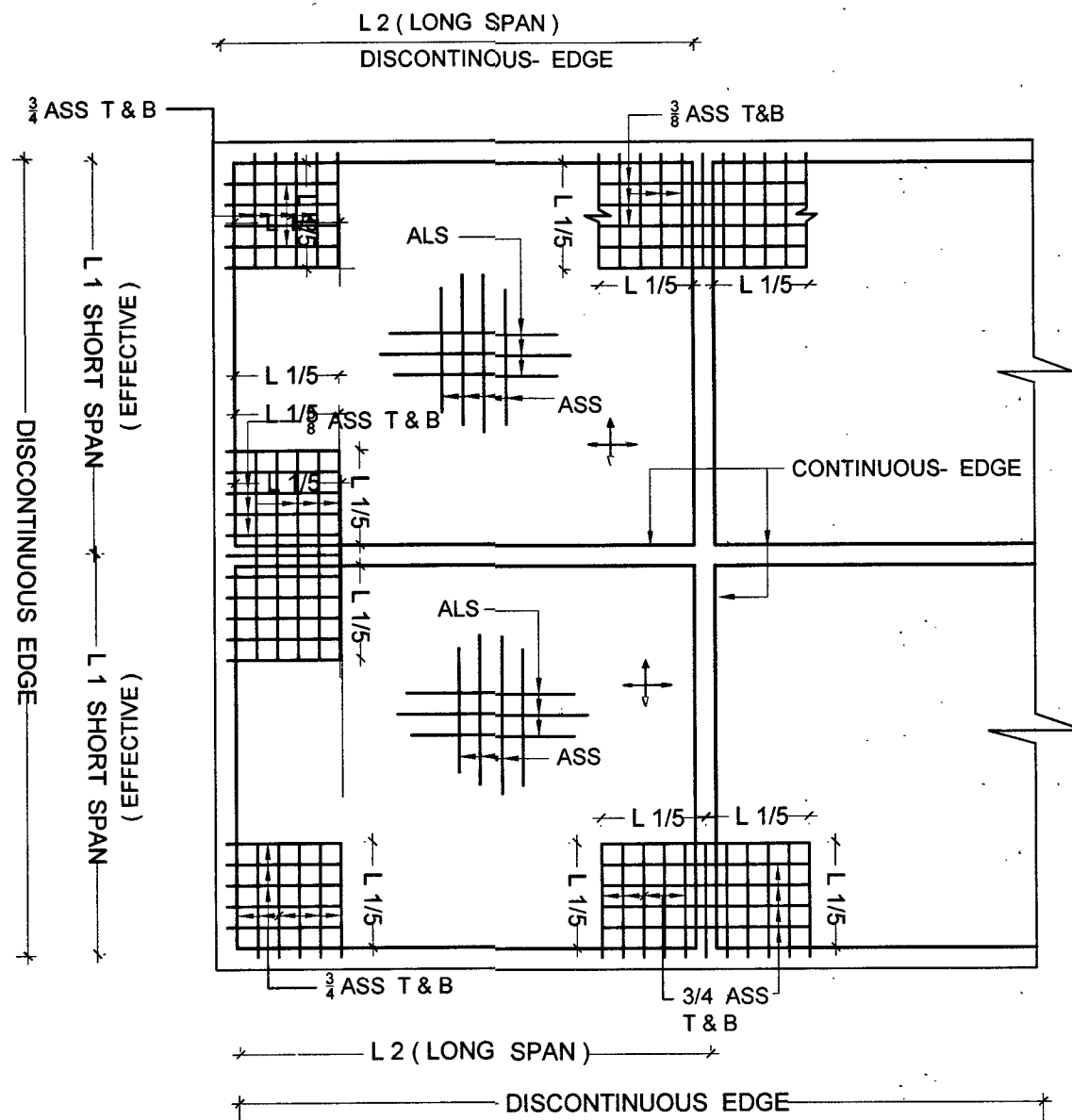


49. AT ALL THE CONTINUOUS PASSAGE/ CORRIDOR/ VERANDAH SLAB EXCEEDING 6 m IN LENGTH SHALL BE PROVIDED WITH A CONCEALED BEAM OF WIDTH 230 mm X THICKNESS OF SLAB WITH 3 NOS 10 TOR BARS AT BOTTOM, 2 NOS 8 TOR BARS AT TOP AND 8 DIA # STIRRUPS AT A SPACING 150 mm CENTRES IN THE SLAB AT SPACING NOT EXCEEDING 6m.
50. THE MAIN BARS ACROSS SHORTER SPAN SHOULD BE PLACED UNDER THE BARS ALONG THE LONGER SPAN AND THOSE AT SUPPORT OVER THE DISTRIBUTION STEEL.
51. 8 TOR AT 300 C/C DISTRIBUTION BARS SHALL BE PROVIDED IN THE CRANKED UP PORTION AND EXTRA BARS AT TOP, IF NOT SHOWN.
52. TORSION REINFORCEMENT SHALL BE PROVIDED AT ANY CORNER WHERE SLAB IS SIMPLY SUPPORTED ON BOTH EDGES MEETING AT THAT CORNER. IT SHALL CONSIST OF TOP AND BOTTOM REINFORCEMENT, EACH WITH LAYERS OF BARS PLACED PARALLEL TO THE SIDES OF THE SLAB AND EXTENDING FROM THE EDGES A MIN DISTANCE OF ONE FIFTH OF THE SHORTER SPAN. THE AREA OF REINFORCEMENT IN EACH OF THESE FOUR LAYERS SHALL BE 0.75 OF THE AREA REQUIRED FOR MAX MID SPAN MOMENT (REF.FIG.-11)



**L1** = SHORT SPAN (EFFECTIVE)  
**L2** = LONG SPAN (EFFECTIVE)  
**ASS** = AREA OF STEEL IN SHORT SPAN AT MIDDLE  
**ALS** = AREA OF STEEL IN LONG SPAN AT MIDDLE

**FIG.-11: CORNER REINF. FOR TORSIONAL RESISTENCE IN TWO LAYERS AT TOP AND BOTTOM**

SNO.	DATE	DESCRIPTION	DY.DIR	DIR(DES)
				INITIAL
REVISIONS				
DATE	30 MAY 2024	CHIEF ENGINEER JALANDHAR ZONE		
DRN	POOJA T			
TCD				
CKD				
SCALE	AS SHOWN	<b>TYPICAL R.C.C. DETAILS</b>		
SHT. SIZE	A3	DETAIL OF TORSION RESISTANCE IN SLABS AND CROSS SECTION		
 AAD (DESIGN)		DRG. NO.	SHEET NO.	
 DIR (DESIGN) FOR CHIEF ENGINEER		DRG NO CEJZ / STD- 422/24	9/34	