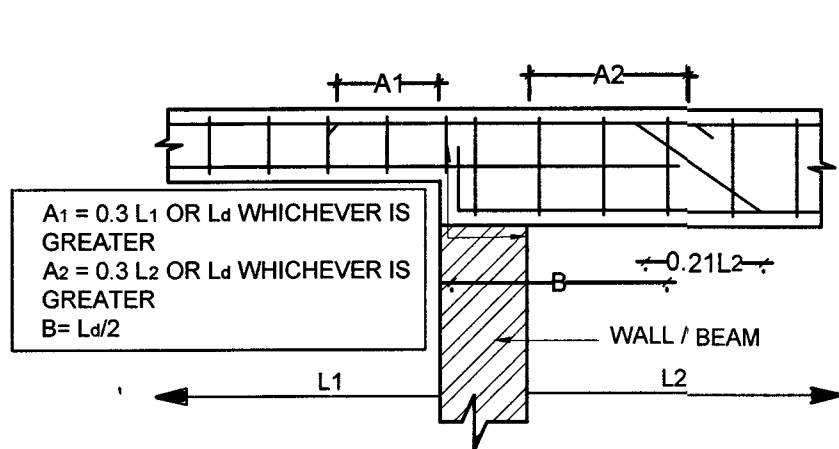
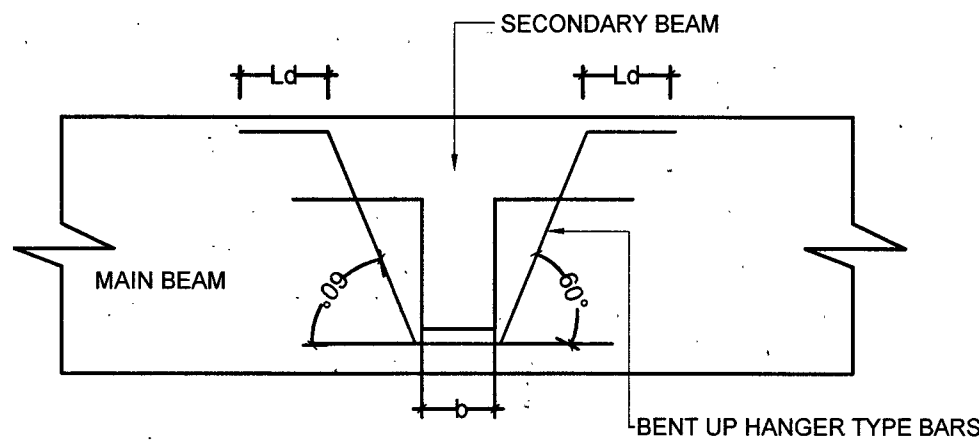


66. WHERE THE LONGITUDINAL REINFORCEMENT IN BEAMS ARE IN TWO WAY LAYERS, SPACERS OF 25 mm DIA OR DIA OF BAR WHICHEVER IS MORE SHALL BE PROVIDED AT SPACING NOT EXCEEDING 1000 mm C/C UNLESS SPECIFIED OTHRWISE. AT LEAST TWO SPACERS SHALL BE PROVIDED FOR EACH ZONE OF TWO LAYERS.
67. TYPICAL ARRANGEMENT OF REINFORCEMENT OVER THE SUPPORT WHEN THE BEAMS ON EITHER SIDE OF SUPPORT ARE OF DIFFERENT DEPTH SHALL BE AS SHOWN IN FIG.-24.
68. WHERE BEAM SOFFITS OF THE MAIN BEAM AND SECONDARY BEAM ARE AT THE SAME LEVEL, THE SECONDARY BEAM STEEL SHALL PASS OVER THE MAIN BEAM STEEL.
69. WHERE ONE BEAM FRAMES INTO ANOTHER, 3 NO 20 TOR BENT UP HANGER BARS SHALL BE PROVIDED AS SHOWN IN FIG.-25. IN THE MAIN BEAM UNLESS OHERWISE SPECIFIED.

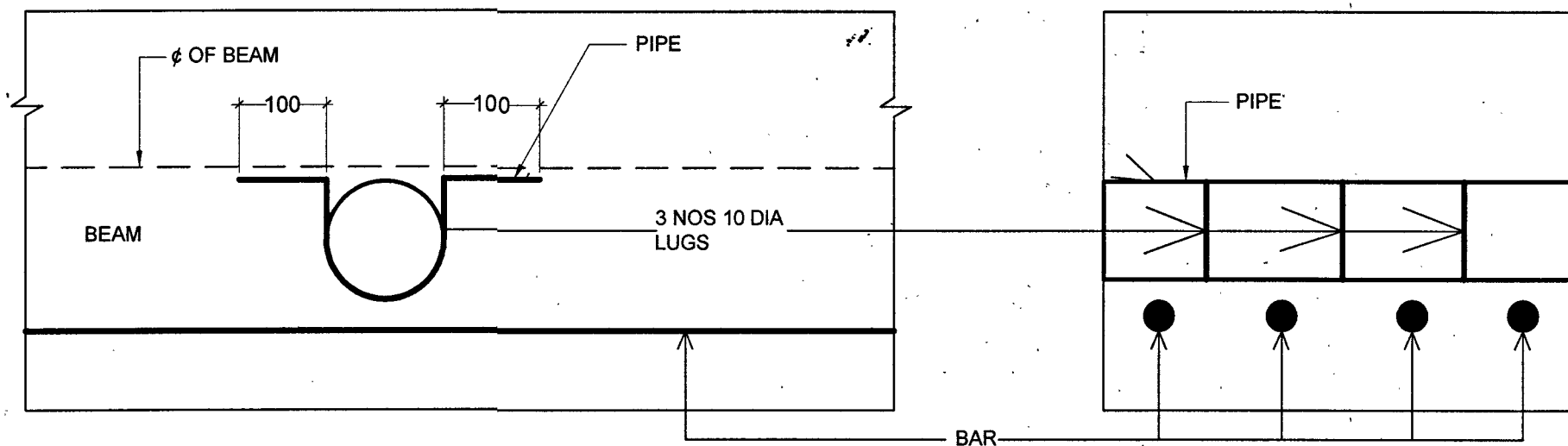


**FIG.-24: BEAMS AT DIFFERENT DEPTHS**

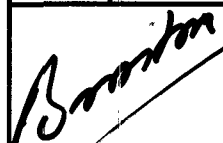



**FIG.-25: ARRANGEMENT OF BENT UP HANGER BARS**

70. SMALL HOLE OF SIZE NOT EXCEEDING ONE QUARTER OF EFFECTIVE DEPTH OF BEAM CAN BE MADE BY G.I. PIPE SLEEVE OF APPROPRIATE DIAMETER WITH 3 NUMBERS LUGS OF 10 mm DIAMETER BAR SHAPED  $\perp$  JUST ABOVE THE BOTTOM SPAN REINFORCEMENT IN THE BOTTOM HALF OF BEAM AS SHOWING IN FIG. ENSURING THAT ADEQUATE COVER FOR LONGITUDINAL AS WELL AS TRANSVERSE REINFORCEMENT IS AVAILABLE. IF NUMBER OF OPENING IS MORE THAN ONE, THE CLEAR DISTANCE BETWEEN THE OPENINGS MEASURED ALONG THE SPAN SHALL NOT BE LESS THAN 300mm.



**FIG.-26: SMALL HOLE IN BEAM**

SNO.	DATE	DESCRIPTION	DY.DIR	DIR(DES)
				INITIAL
REVISIONS				
DATE	30 MAY 2024	CHIEF ENGINEER JALANDHAR ZONE		
DRN	POOJA T	TYPICAL R.C.C. DETAILS		
TCD		DETAILING OF BEAMS		
CKD				
SCALE	AS SHOWN			
SHT. SIZE	A3			
 Pooja T (DESIGN)		DRG. NO.	SHEET NO.	
 Urv (DESIGN) FOR CHIEF ENGINEER		DRG NO CEJZ / STD- 422 /24	15/34	