

TABLE :5 RECOMMENDED LONGITUDINAL STEEL IN REINFORCED CONCRETE BANDS

SPAN	BUILDING CATEGORY B		BUILDING CATEGORY C		BUILDING CATEGORY D		BUILDING CATEGORY E	
	NO.OF BARS	DIA IN MM	NO.OF BARS	DIA IN MM	NO.OF BARS	DIA IN MM	NO.OF BARS	DIA IN MM
M.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(1)	2	#8	2	#8	2	#8	2	#10
5 OR LESS	2	#8	2	#8	2	#10	2	#12
6	2	#8	2	#10	2	#12	4	#10
7	2	#8	2	#12	4	#10	4	#12
8	2	#10	2	#12	4	#10	4	#12

NOTES

- SPAN OF WALL WILL BE THE DISTANCE BETWEEN CENTRE LINES OF ITS CROSS WALLS OR BUTTRESSES.
- WIDTH OF R.C.C. BAND IS SAME AS THE THICKNESS OF WALL.WALL THICKNESS SHALL BE 200 MM MINIMUM. A CLEAR COVER OF 20 MM FROM FACE OF WALL WILL BE MAINTAINED.
- THE VERTICAL THICKNESS OF RC BAND BE KEPT 75 MM MINIMUM, WHERE TWO LONGITUDINAL BARS ARE SPECIFIED, ONE ON EACH FACE;AND 150 MM, WHERE FOUR BARS ARE SPECIFIED.
- THE LONGITUDINAL STEEL BARS SHALL BE HELD IN POSITION BY STEEL LINKS OR STIRRUPS 6MM DIA SPACED AT 150 MM APART.

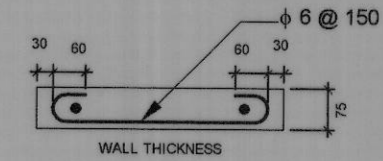


FIG.3 SECTION OF BAND WITH TWO BARS

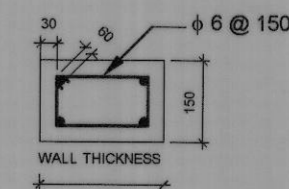


FIG.4 SECTION OF BAND WITH FOUR BARS

11.FOR FULL INTEGRITY OF WALLS AT CORNERS AND JUNCTIONS OF WALLS AND EFFECTIVE HORIZONTAL BENDING RESISTANCE OF BAND CONTINUITY OF REINFORCEMENT IS ESSENTIAL.THE DETAILS AS SHOWN IN FIG.-5 ARE TO BE FOLLOWED.

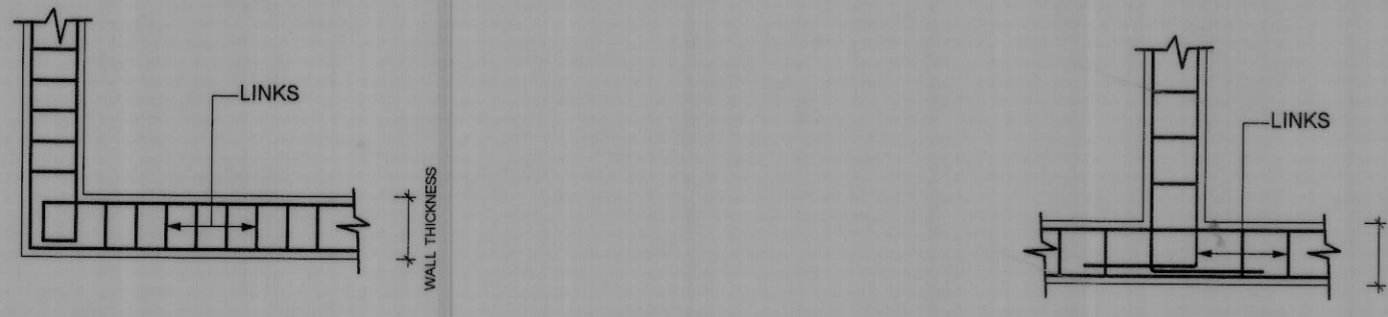
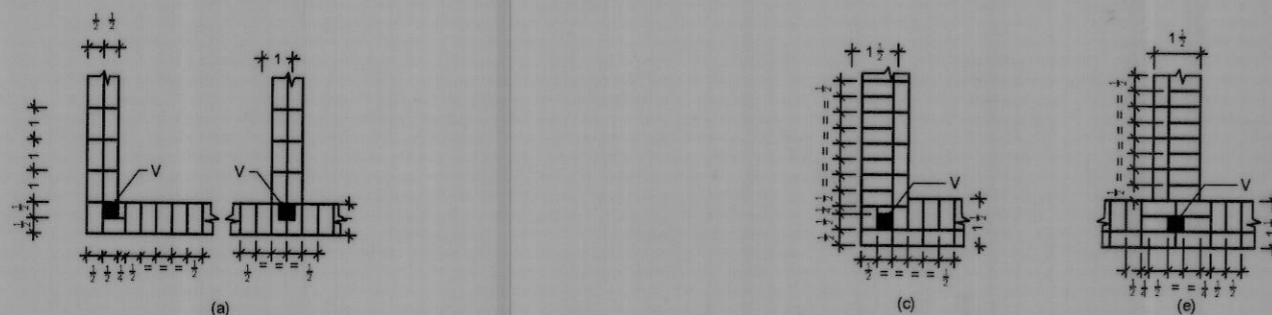


FIG.- 5 STRUCTURAL PLAN AT CORNER JUNCTION

12.VERTICAL REINFORCEMENT AT CORNERS AND JUNCTIONS OF WALLS SHALL BE PROVIDED AS PER TABLE-6 AND SHALL BE EMBEDDED AT BOTTOM IN FOUNDATION CONCRETE THROUGH PLINTH BAND AND EMBEDDED AT TOP IN ROOF BAND.IT SHALL BE PASSING THROUGH THE LINTEL BANDS AND FLOOR SLABS OR FLOOR LEVEL BANDS IN ALL STOREYS.BARS AT DIFFERENT STOREYS MAY BE WELDED OR SUITABLY LAPPED.THE REINFORCEMENT SHALL BE EMBEDDED IN CONCRETE AT THE ENDS FOR THE DEVELOPMENT LENGTH OF THE BARS (Ld).THE VERTICAL REINFORCEMENT BAR S WILL BE COVERED WITH CONCRETE M25 WITH 12.5 MM AGGREGATE IN SUITABLY CREATED POCKETS AROUND THE BARS AS GIVEN IN FIG. 6 TO ENSURE SAFETY FROM CORROSION AND GOOD BOND WITH MASONRY.



1	24-04-06	CORRECTED UPTO DATE	<i>[Signature]</i>	<i>[Signature]</i>
SNO.	DATE	DESCRIPTION	T.O.	DIR(D)
			INITIAL	
REVISIONS				
DATE	31-03-06	CHIEF ENGINEER JALANDHAR ZONE		
DRN	RENUKA			
TCD				
CKD				
SCALE	AS SHOWN	SEISMIC PROVISIONS		
SHT. SIZE	A3			
<i>[Signature]</i> (DEVI SINGH) TECH.OFFICER AAD (ARCH)		SEISMIC STRENGTHENING MEASURES IN MASONRY BUILDINGS		
DRG. NO.			SHEET NO.	
<i>[Signature]</i> (YOGESH K SINGHAL) SE DIRECTOR (DESIGN) FOR CHIEF ENGINEER			3/8	
DRG NO CEJZ / STD-216/06				