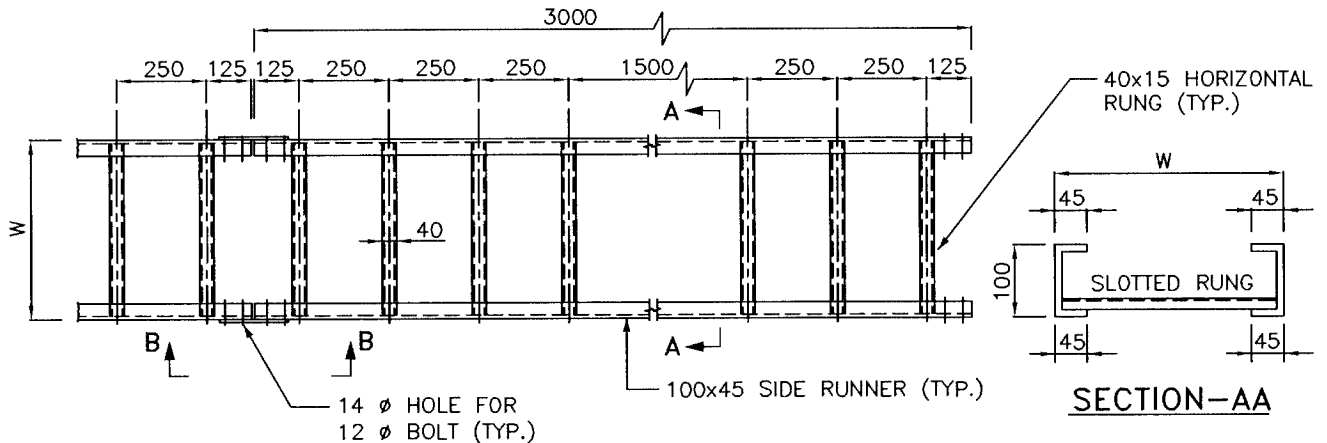
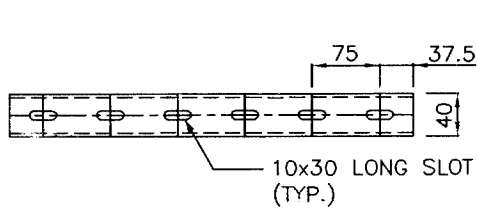
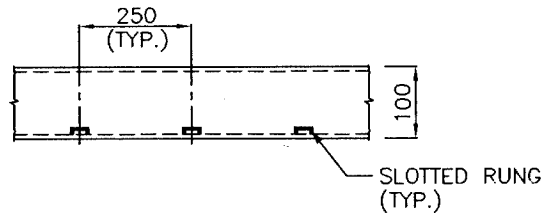




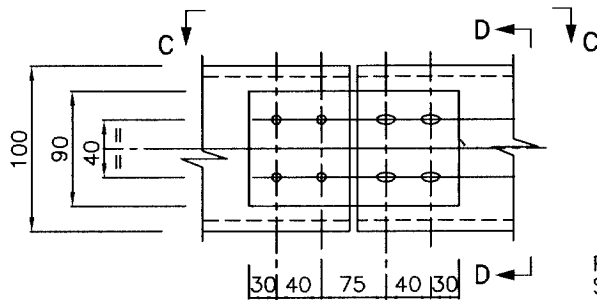
LADDER TYPE CABLE TRAY
(W=300/450/600/750)



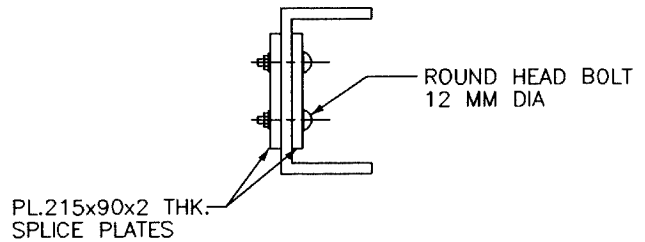
SLOTTED RUNG



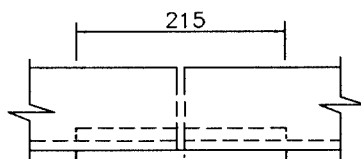
SIDE RUNNER



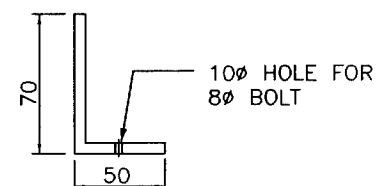
VIEW B-B



SECTION D-D



VIEW C-C

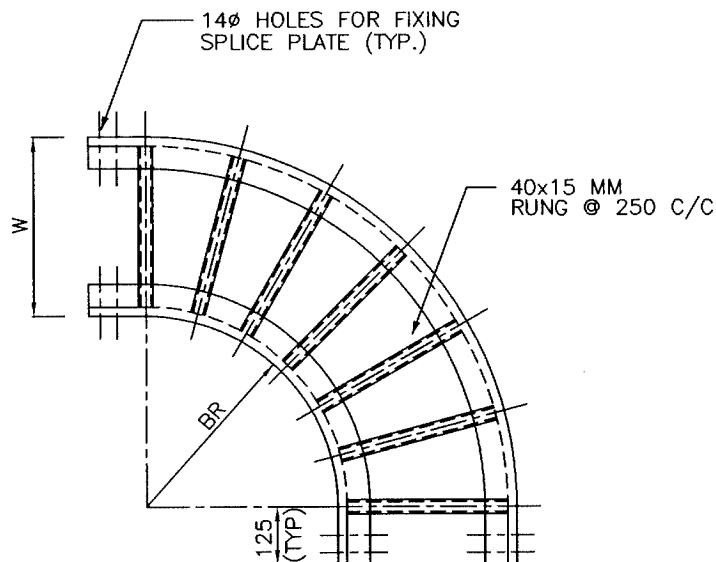


BARRIER PLATE
(100 MM LONG)

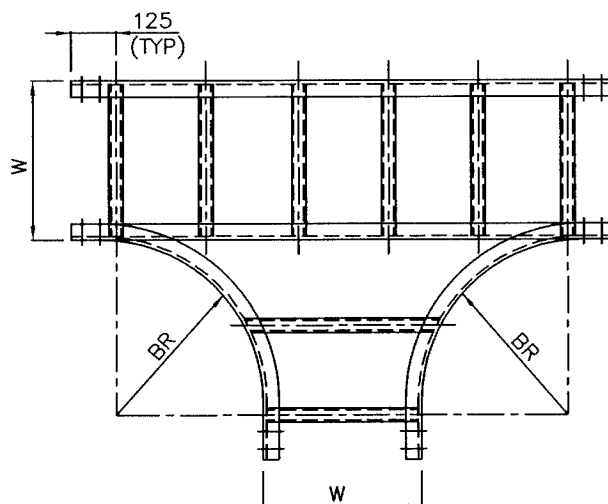
NOTES:—

- 12 DIA ROUND HEAD BOLT WITH WASHERS & NUTS CONFORMING TO IS 1363 & IS 1367 SHALL BE USED FOR FIXING OF SPLICE PLATE.

2	23.04.13	REVISED AND REISSUED	BP	FA/RSC	UAP/JMS	DM
1	11.01.08	REVISED AND REISSUED	BP	RKS/SSM	JMS	VC
Rev. No.	Date	Purpose	Prepared by	Checked by	Std. Committee Convenor	Std. Bureau Chairman
Approved by						

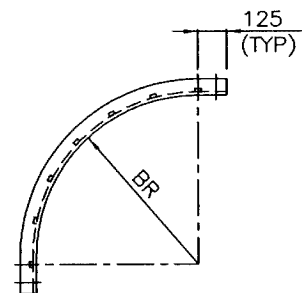


HORIZONTAL BEND

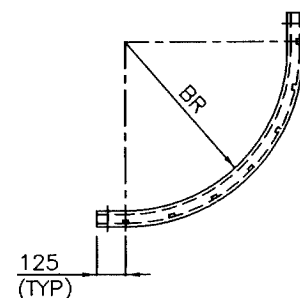


'T' JOINT

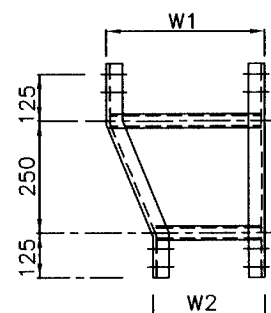
W - WIDTH OF CABLE TRAY (300/450/600/750)
W1 - WIDTH OF CABLE TRAY ON ONE SIDE
W2 - WIDTH OF CABLE TRAY ON OTHER SIDE
BR- BENDING RADIUS (750/1000/1250)



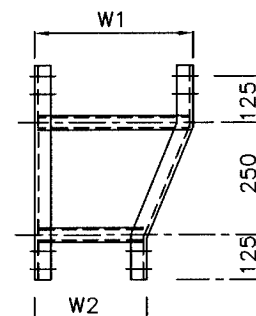
VERTICAL OUTSIDE BEND



VERTICAL INSIDE BEND



LEFT HAND REDUCER



RIGHT HAND REDUCER

2	23.04.13	REVISED AND REISSUED	BP	FA/RSC	UAP/JMS	DM
1	11.01.08	REVISED AND REISSUED	BP	RKS/SSM	JMS	VC
Rev. No.	Date	Purpose	Prepared by	Checked by	Stds. Committee Convenor	Stds. Bureau Chairman
						Approved by

GENERAL NOTES:—

1. THE CABLE TRAYS AND ACCESSORIES SHALL COMPLY WITH LATEST EDITION OF INDIAN STANDARDS IS: 1363, IS: 1367(PART-13), IS:2629, IS:5986.
2. THE CABLE TRAYS SHALL BE LADDER TYPE PREFABRICATED, HOT DIP GALVANIZED. THE LADDER TYPE TRAYS SHALL CONSIST OF SIDE RUNNERS & HORIZONTAL RUNGS AS PER DETAILS SHOWN IN SH. 1 & 2.
3. THE LADDER TYPE TRAYS AND ACCESSORIES SHALL HAVE RIGID WELDED CONSTRUCTION AND SHALL BE FABRICATED OUT OF 2 mm THICK HOT ROLLED SHEET STEEL. THE RUNGS SHALL BE WELDED TO THE SIDE RUNNERS.
4. SIDE RUNNERS SHALL BE 100 x 45 mm CHANNEL WITH THE FLANGES FACING INSIDE. RUNGS SHALL BE 40 x 15 mm SLOTTED CHANNEL TYPE.
5. CABLE TRAYS SHALL BE SUITABLE FOR A CABLE WEIGHT OF 75 kg PER METRE OF RUNNING LENGTH OF TRAY AND SHALL BE SUPPORTED AT 3 m INTERVALS. IN ADDITION, TRAYS SHALL BE SUITABLE FOR A POINT LOAD OF 70 kg (EQUIVALENT WEIGHT OF A MAN WORKING ON THE CABLE TRAY).
6. SIDE RUNNER CHANNELS SHALL BE CONNECTED AT ENDS USING 2 SPLICE PLATES ONE EACH SIDE AS SHOWN IN SHEET-1.
7. THE SIDE RUNNER WILL ALSO HAVE SUITABLE HOLES AT EVERY METRE FOR CLEATING EARTHING STRIP. SUITABLE THREADED HOLES SHALL BE PROVIDED ON THE RUNNER TOP AND BOTTOM FOR SUPPORTING AND FIXING TRAY COVERS WITH SCREWS AT EVERY METRE.
8. HOT DIP GALVANIZING SHALL BE DONE AFTER FABRICATION AS PER THE RELEVANT INDIAN STANDARD SPECIFICATIONS. THE AMOUNT OF GALVANIZING SHALL BE MINIMUM 610 g/m².
9. THE TYPE OF CONSTRUCTION SHALL BE SUCH AS TO FACILITATE EASY HANDLING, ASSEMBLY AND INSTALLATION AT SITE. FOR THE CONSTRUCTION OF CABLE TRAYS THE STANDARD STRAIGHT LENGTH OF CABLE TRAY SHALL BE 3 METERS UNLESS OTHERWISE SPECIFIED.
10. SPLICE PLATE OF CABLE TRAYS SHALL BE PLACED NOT MORE THAN 750 MM FROM SUPPORT ANGLE.
11. THE WORKMANSHIP SHALL BE SUCH AS TO ENSURE EASY LAYING OF CABLES WITHOUT CAUSING DAMAGE TO CABLES. ALL SURFACES SHALL BE FREE FROM DEFECTS SUCH AS BURRS, SHARP EDGES ETC.
12. THE HARDWARE SHALL CONFORM TO THE RELEVANT INDIAN STANDARD SPECIFICATIONS AND SHALL BE ABLE TO WITHSTAND THE MAXIMUM LOADING CONDITIONS AS REQUIRED. ALL HARDWARE AND FITTINGS SHALL BE HARD CHROME OR CADMIUM PLATED. HARDWARE SHALL INCLUDE BOLTS, NUTS, WASHERS ETC.
13. THE BENDS, TEES, REDUCERS AND DROPPERS SHALL HAVE A BENDING RADIUS AS DESCRIBED IN THE SCHEDULE OF RATES.
14. THE FOLLOWING TESTS FOR THE AMOUNT OF ZINC COATING SHALL BE CARRIED OUT:
 - THICKNESS OF GALVANIZED COATING BY ELCOMETER.
 - MASS OF GALVANIZED COATING BY STRIPPING TEST.
 - DETERMINATION OF UNIFORMITY OF GALVANIZED COATING.

2	23.04.13	REVISED AND REISSUED	BP	FA/RSC	UAP/JMS	DM
1	11.01.08	REVISED AND REISSUED	BP	RKS/SSM	JMS	VC
Rev. No.	Date	Purpose	Prepared by	Checked by	Std. Committee Convenor	Std. Bureau Chairman
					Approved by	