

TABLE FOR ADJUSTING PLATFORM HEIGHT OFFSET ON
INSIDE OF CURVE BASED ON E_A AND D_C

WHERE:
 X_i : 1753 mm
 B : DISTANCE BETWEEN RAIL CENTERS (TABLE 4 USES 136lb RAIL = 1510 mm)
 h : STANDARD PLATFORM HEIGHT ABOVE TOP OF RAIL (MIXED USE PLATFORM = 127 mm)
 W_c : ADDITIONAL WIDENING DUE TO HORIZONTAL CURVATURE (25.4 mm PER DEGREE OF CURVE)

TABLE FOR ADJUSTING PLATFORM HEIGHT OFFSET ON
OUTSIDE OF CURVE BASED ON E_A AND D_C

WHERE:

Xc: 1632 mm (FOR ACCESSIBILITY PLATFORMS, APPROPRIATE PLATFORM OFFSET IS TO BE USED IN FORMULA FOR H_{RAISE})

B: DISTANCE BETWEEN RAIL CENTERS (TABLE 5 USES 1361b RAIL = 1510 mm)

h: STANDARD PLATFORM HEIGHT ABOVE TOP OF RAIL (MIXED USE PLATFORM = 127 mm)

Wc: ADDITIONAL WIDENING DUE TO HORIZONTAL CURVATURE (25.4 mm PER DEGREE OF CURVE)



CURVED PLATFORM DESIGN EXAMPLE:

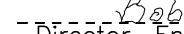
- Dc = 2°
- Ea = 2"
- 136lb RAIL
- MIXED USE PLATFORM
- HORIZONTAL OFFSET: 1632 mm FROM TRACK CENTERLINE IN TANGENT TRACK (915 mm FROM GAUGE FACE OF RAIL)
- VERTICAL OFFSET: 127 mm FROM TOP OF RAIL IN TANGENT TRACK

TABLE 6

EXAMPLE OF PLATFORM OFFSET TABLE

GENERAL NOTES:

1. ALL UNITS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ADDITIONAL CLEARANCE REQUIREMENTS MUST BE RUN OUT LINEARLY THROUGHOUT THE ENTIRE LENGTH OF THE SPIRAL.

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm			
0	25/04/30	INITIAL VERSION ESTABLISHED	
No.	Date	Revision	By Approved
Standard/ TRACK CLEARANCE DESIGN GUIDELINE RAIL PLATFORMS ON CURVED TRACK			
Drawn	AO	Checked	MD
		Approved	 "Director, Engineering"
		 METROLINX	
Date	APRIL 30, 2025		Rev 0
REFERENCE: -		Plan Number GTS-3004	
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