










Wheel Load Conditions

Wheel Load Condition	Wheel Load (1/2 axle load + 30 % impact load)	Load Distribution	
		Parallel	Perpendicular
 CHBDC CL-625 Truck 28,000 axle load Bearing Bars Parallel to traffic flow	18,100 pounds	24"+2(S)	10"
 CHBDC CL-625 Truck 28,000 axle load Bearing Bars Perpendicular to traffic flow	18,100 pounds	10"+2(S)	24"
 CHBDC CL-625 Truck Sidewalk 19,600 axle load Bearing Bars Parallel to traffic flow Clause 3.3.4.4	12,670 pounds	24"+2(S)	10"
 CHBDC CL-625 Truck Sidewalk 19,600 axle load Bearing Bars Perpendicular to traffic flow Clause 3.3.4.4	12,670 pounds	10"+2(S)	24"
 Ontario Building Code Clause 4.1.6.10	15,600 pounds	2'-6"+2(S)	2'-6"
 Modified ASSHTO H20 Truck 32,000 axle load	20,800 pounds	20"+2(S)	20"
 Automotive Traffic 5,000 vehicle 1,200 load 55% on front axle	2,220 pounds	8"+2(S)	8"
 10,000 lbs. 5 Ton Lift Capacity truck 14,000 lbs. Truck 24,000 Total Load 85 front Axle Load	13,260 pounds	11"+2(S)	11"
 6,000 lbs. 3 Ton Lift Capacity truck 9,800 lbs. Truck 15,800 Total Load 85 Front Axle Load	8,730 pounds	7"+2(S)	7"
S=Bearing Bar Spacing			