



BILL OF STRUCTURAL STEEL FOR TEMPORARY INTERMEDIATE BRACING SPAN No. DESCRIPTION COMPONENT TOTAL MASS MASS LINE OF INTERMEDIATE BRACING, EACH TO BE FABRICATED FROM: 389.79 2 338.74 L76x76x9.5 790 LG (HORIZONTAL) 152.16 L76x76x9.5 920 LG (DIAGONAL) 59.06 18 L76x76x9.5 820 LG (VERTICAL) 157.93 ASTM A325M M22 BOLTS 75 LG C/W NUT AND 2 FLAT WASHERS 40 20.64 LINE OF INTERMEDIATE BRACING, EACH TO BE FABRICATED FROM: 389.79 2 338.74 L76x76x9.5 790 LG (HORIZONTAL) 152.16 L76x76x9.5 920 LG (DIAGONAL) 59.06 L76x76x9.5 820 LG (VERTICAL) 18 157.93 40 ASTM A325M M22 BOLTS 75 LG C/W NUT AND 2 FLAT WASHERS 20.64 LINE OF INTERMEDIATE BRACING, EACH TO BE FABRICATED FROM: 389.79 2 728.53 L76x76x9.5 790 LG (HORIZONTAL) 18 152.16 L76x76x9.5 920 LG (DIAGONAL) 59.06 18 L76x76x9.5 820 LG (VERTICAL) 157.93 ASTM A325M M22 BOLTS 75 LG C/W NUT AND 2 FLAT WASHERS 40 20.64 LINE OF INTERMEDIATE BRACING, EACH TO BE FABRICATED FROM: 6 389.79 2 338.74 L76x76x9.5 790 LG (HORIZONTAL) 18 152.16 L76x76x9.5 920 LG (DIAGONAL) 59.06 6 L76x76x9.5 820 LG (VERTICAL) 157.93 18 ASTM A325M M22 BOLTS 75 LG C/W NUT AND 2 FLAT WASHERS 40 20.64 TOTAL MASS 9 744.75 kg

NOTE:

ALL STEEL CROSS BRACINGS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123/A123M AND CAN/CSA G164 TO A MINIMUM NET RETENTION OF 610 g/m^2 .

			-		LON		ENGINEER'S SEAL R.B.	THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	
			DESIGNED BY	RE	CHECKED BY	SSR	REGS Member	. WAVERLET JIREET UNDERFAJJ AT UN WILE J.03 RIVERJ JUD T	CITY DRAWING NUMBER U-239-2016-C2-CS-031
Certificate of Authorization			DRAWN BY	NBG	APPROVED BY	DBW	22665 (5) APOEES SIGNAL	ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS	SHEET OF 085
Dillon Consulting Limited (MB)	0 ISSUED FOR TENDER	17/01/09 RE	HOR. SCALE	AS SHOWN AS SHOWN	RELEASED FOR CONSTRUCTION		CONSULTANT PROJECT NUMBER	STEEL GIRDER DETAILS - SHEET 1	CONSULTANT DRAWING NUMBER
No. 1789 Date: 2017/01/09	NO. REVISIONS		DATE	DATE		16-3353	STELL SINDLIN DETAILS - SHELT T	C2-CS-031	