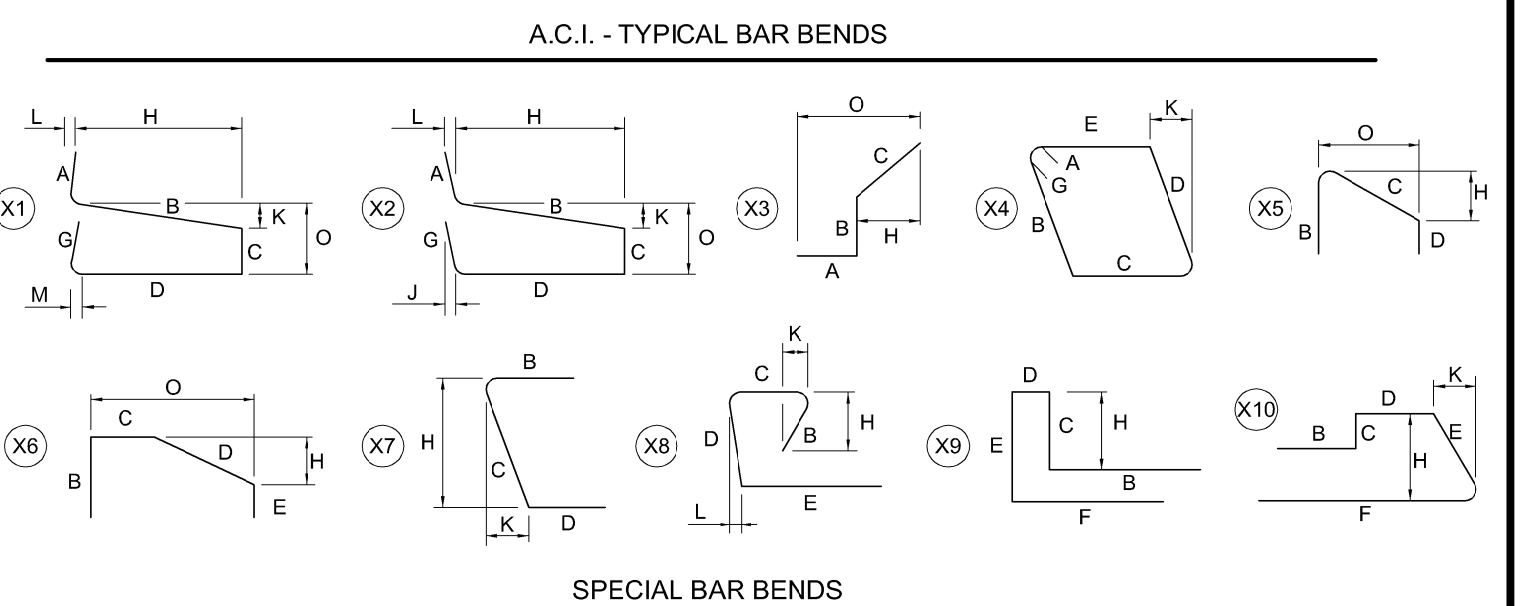
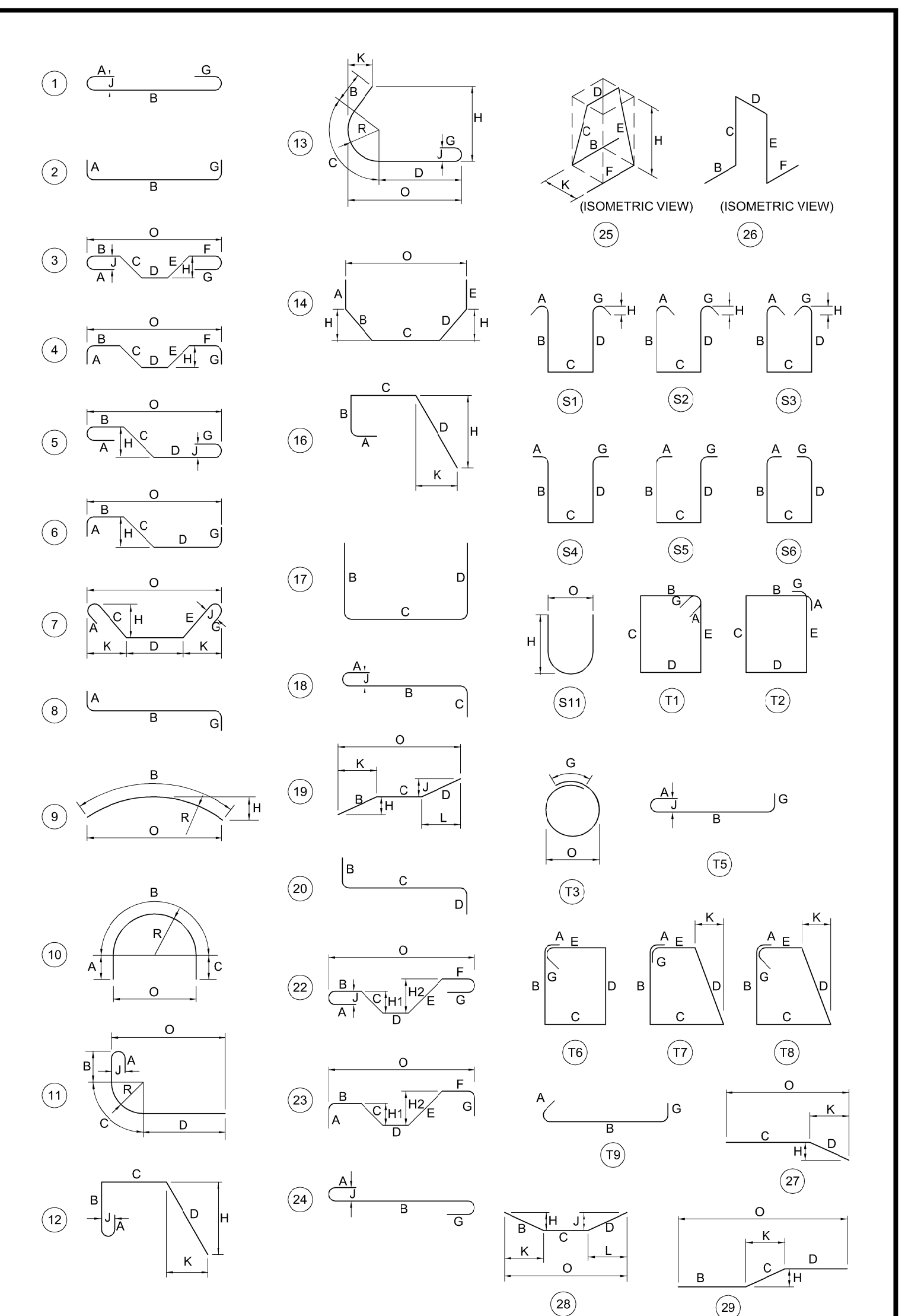


MARKS	NO BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	L	M	O	R	SHAPE	MASS (kg)
WINGWALL (CONTINUED)																				
WW2501X	64	25	7 500	17		500	7000													1 907.04
WW2502X	8	25	7 000	STR																222.49
WW2503X	64	25	3 300	STR																839.10
WW2504X	8	25	7 100	27			6700	400				380		125						225.67
WW2505X	8	25	8 200	27			7000	1200				380		1140						260.63
WW2506X	12	25	1 900	STR																90.58
WW2507X	12	25	500	STR																23.84
WW2508X	16	25	1 500	STR																95.35
WW2509X	48	25	6 600	STR																1 258.65
WW2510X	48	25	8 300	STR																1 582.84
WW2511X	4	25	7 710	STR																122.53
WW2512X	4	25	7 260	STR																115.38
WW2513X	4	25	6 810	STR																108.22
WW2514X	4	25	6 360	STR																101.07
WW2515X	8	25	6 360	28		2000	3160	1200				1740	1044	985	592					202.15
WW2516X	8	25	3 760	28		1200	1360	1200				1045	1045	590	590					119.51
WW2517X	8	25	10 320	28		1200	7520	1600				500	870	1090	1382					328.01
WW2518X	8	25	4 725	28		1200	2325	1200				570	570	1055	570					150.18
WW2519X	6	25	7 600	28		1200	5200	1200				520	665	1080	1000					181.17
WW2520X	50	25	4 500	28		1200	2100	1200				595	595	1040	1040					893.93
WW2521X	16	25	3 400	STR																216.13
WW2522X	6	25	5 330	28		1200	2930	1200				1055	1055	570	570					127.06
WW2523X	50	25	3 615	28		1200	1215	1200				1055	1055	570	570					718.12
TOTAL WINGWALL MASS THIS SHEET (CONTINUED)																			9 889.63	

MARKS	NO BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	L	M	O	R	SHAPE	MASS (kg)	
TOTAL MASS: WINGWALL																					25 437.32kg



NOTES:

- ALL DIMENSIONS ARE OUT-TO-OUT OF A BAR EXCEPT 'A' AND 'G' ON STANDARD 180° AND 135° HOOKS.
- 'J' DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ON TRUSS BARS 'J' WILL BE KEPT EQUAL TO OR LESS THAN 'H'. WHERE 'J' CAN EXCEED 'H' IT SHOULD BE SHOWN.
- THE STIRRUPS 'H' DIMENSION SHOULD BE SHOWN ONLY WHERE NECESSARY TO FIT WITHIN CONCRETE.
- CRITICAL DIMENSIONS ARE TO BE IDENTIFIED WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING TOLERANCES.
- ON TYPE T3 'G' DIMENSION IS EQUAL TO CLASS C SPLICE.
- FIGURES SHOWN IN CIRCLES SHOW TYPES.
- ALL BAR BENDS OTHER THAN THE TYPES SHOWN ABOVE MUST BE DESIGNATED TYPE 'X'.

UNLESS OTHERWISE NOTED DIAMETER 'D' IS THE SAME FOR ALL HOOKS AND BENDS ON A BAR.

ENLARGED VIEW SHOWING BAR BENDING DETAILS

G:\CAD\175932\Drawings\Structural\Contract\UNDEPASS\Y75932\UNDEPASS-CON-CS-REIN-SCHED-WW23.dwg



DILLON CONSULTING			
DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	DN	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
NO.	REVISIONS	DATE	BY
1	ADDENDUM #5	18/03/16	DRA
0	ISSUED FOR TENDER	18/02/09	DRA
		2018/02/09	

ENGINEER'S SEAL

PROVINCE OF MANITOBA

D.R.C. AMORIM

Member 33215

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER

17-5932

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Winnipeg

FERMOR AVENUE BRIDGE OVER SEINE RIVER
BRIDGE RE-HABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET

CITY DRAWING NUMBER
U-243-2017-CS-088

SHEET **088** OF **100**

CONSULTANT DRAWING NUMBER
CS-088

PEDESTRIAN-CYCLIST UNDERPASS
REINFORCING STEEL SCHEDULE 6 OF 6