

A1 SIZE 594mm x 841mm
PLOT: 2/9/2021 3:15:50 PM
FILE NAME: 2021423-Nairn-DT-01.dwg Saved By: aneppner

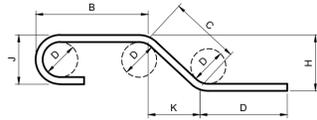
BILL OF REINFORCING

MARK	NO. BARS	SIZE	LENGTH	TYPE	A	B	C	D	E	F	G	H	J	K	O	R	MASS
B1501SS	4	15	730	2	290	150					290						4.53
B1502SS	8	15	725	2	225	275					225						9.00
B1503SS	8	15	625	2	200	225					200						7.76
D1501SS	112	15	4900	STR													851.74
D1502SS	100	15	8135	STR													1262.55
E1501SS	224	15	470	2	250	220											162.29
E1502SS	24	15	8095	STR													305.12
SUB-TOTAL = 2602.99																	
STAINLESS STEEL TOTAL = 2602.99 kg																	

NOTES:

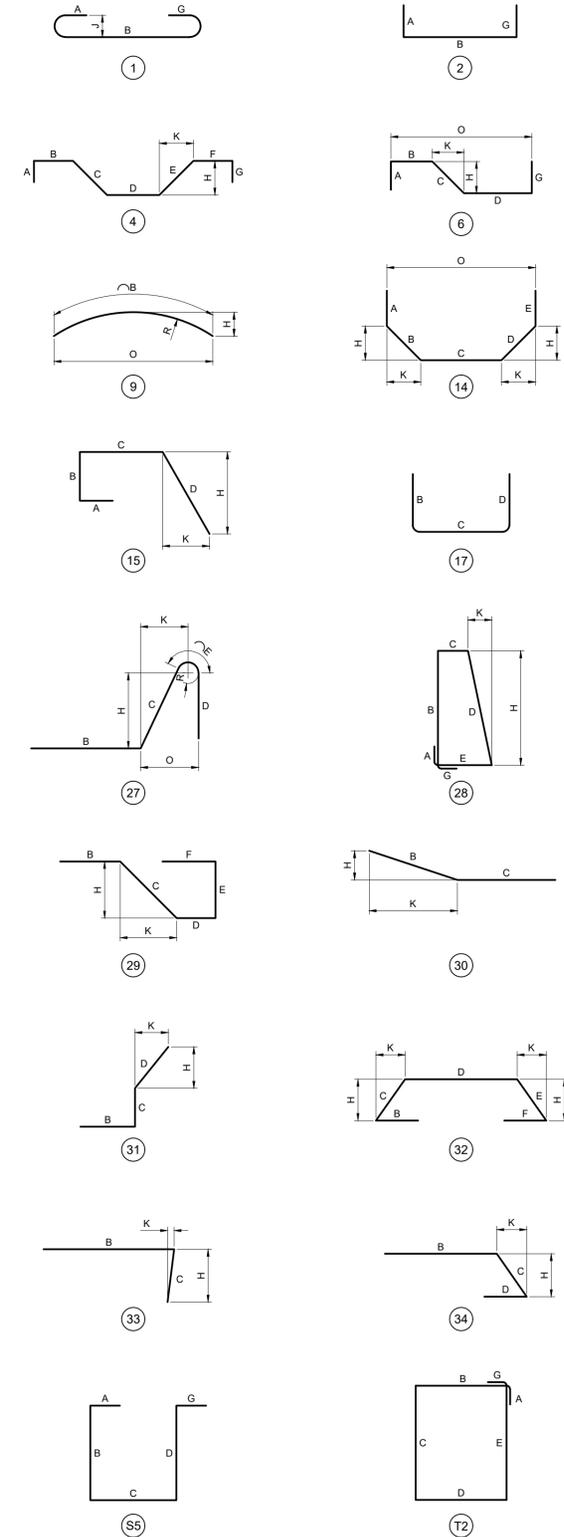
- ALL DIMENSIONS ARE OUT-TO-OUT OF A BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
- "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE STANDARD HOOKS TO BE USED.
- ON TRUSS BARS "J" WILL BE KEPT EQUAL TO OR LESS THAN "H". WHERE "J" CAN EXCEED "H"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

UNLESS OTHERWISE NOTED DIAMETER "D" IS THE SAME FOR ALL HOOKS AND BENDS ON A BAR. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.



ENLARGED VIEW BAR BENDING DETAILS

BENDING DIAGRAMS



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED UNDERGROUND STRUCTURES

NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

BM	28-022	N.W. Cor. Nairn Ave. & Grey St., in Valve Box, Bolt in
ELEV	231.341 m	4.6 m Conc. pile, 2.4 m E. of W.L. of Grey St. & 0.6 m N. of N.L. of Nairn Ave. produced from the E.
C	ISSUED FOR TENDER	21/02/09 BE
B	ISSUED FOR REVIEW	21/02/04 BE
A	ISSUED FOR REVIEW	21/01/18 BE
No.	REVISIONS	YY/MM/DD BY DATE



DESIGNED BY	AGG	CHECKED BY	BE
DRAWN BY	AH	APPROVED BY	BE
HOR SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERT SCALE	AS SHOWN		
DATE	21/01/15	DATE	

PROFESSIONAL'S SEAL
PRELIMINARY DRAWING
NOT TO BE USED FOR CONSTRUCTION
CONSULTANT FILE NAME
2021423-NAIRN-DT-01.DWG

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

NAIRN AVENUE OVERPASS DECK REHABILITATION

BILL OF REINFORCING

CITY DRAWING NUMBER: B121-21-12
SHEET 12 OF 12
DRAWING NUMBER: 12

TENDER No. 810-2020