BILL OF REINFORCING STEEL

PIER CAPS

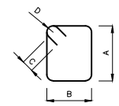
STRAIGHT BARS

MARK	QTY.	LENGTH (mm)	MASS (kg)
P2501	24	15560	1465.8
P3002	96	15560	8208.2
P3003	32	6500	1143.0

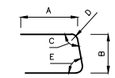
BENT BARS

MARK	QTY.	TYPE	A	B	C	D	E	LENGTH (mm)	MASS (kg)
P2001	464	A	1030	765	120	120		2035	2223.7
P2002	16	A	1030	780	120	120		2050	77.2
P2003	16	A	1030	820	120	120		2090	78.8
P2004	16	A	1030	880	120	120		2150	81.0
P2005	16	A	1030	960	120	120		2230	84.0
P2006	24	B	300	1345	130	120	50	1945	109.9
P2007	32	B	300	1030	90	120	90	1630	122.8
TOTAL MASS OF REINFORCING STEEL									13594.4 kg

BAR TYPES



TYPE A



TYPE B

BILL OF REINFORCING STEEL

CAISSON

STRAIGHT BARS

MARK	QTY.	LENGTH (mm)	MASS (kg)
C2501	480	11500	23550.0
C2502	480	4650	7818.6
C2503	480	7500	14130.0

BENT BARS

MARK	QTY.	TYPE	A	B	C	D	E	LENGTH (mm)	MASS (kg)
TOTAL MASS OF REINFORCING STEEL									44556.6 kg

BAR TYPES

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Date:_____

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

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.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
1	REVISED PER ADDENDUM No.1	12.01.18	K.S.A.
0	ISSUED FOR TENDER	11.12.15	K.S.A.

Stantec Consulting Ltd.
100–1355 Taylor Ave., Winnipeg, Manitoba
Tel 204–928–8840 Fax 204–284–4795

DESIGNED BY	K.S.A.	CHECKED BY	K.S.A.
DRAWN BY	J.M.B.	APPROVED BY	B.J.W.
HOR. SCALE:	1:10	RELEASED FOR CONSTRUCTION:	
VERTICAL:	U.N.O.		
DATE	DEC. 15, 2011	DATE	

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
S-305

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

STURGEON ROAD
BRIDGE REPLACEMENT
PORTAGE AVENUE TO HALLONQUIST DRIVE
REINFORCING SCHEDULES FOR
ABUTMENTS & PIERS

SHEET 30 OF 82
CAD FILE DRAWING NUMBER 31590s-301-767.dwg
CITY DRAWING NUMBER B120-12-030

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Date: 2012 Jan 19 12:50pm Login: Sojo, Stephanie