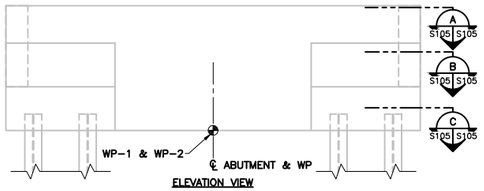
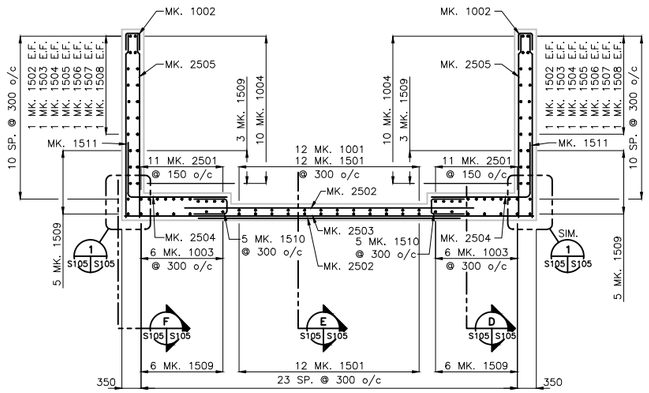
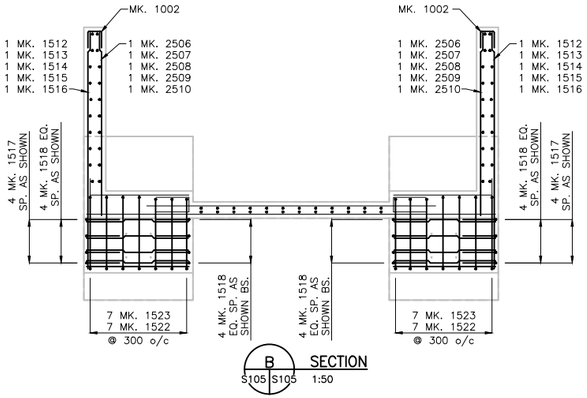


KEY PLAN & ELEVATION
1:50



A S105 S105 SECTION 1:50



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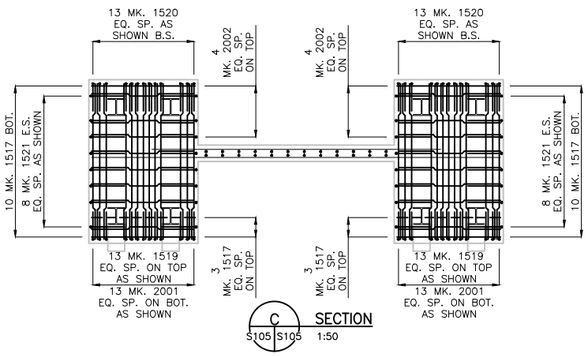

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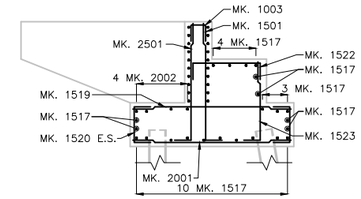

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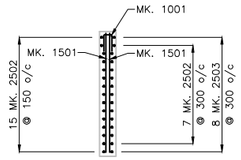

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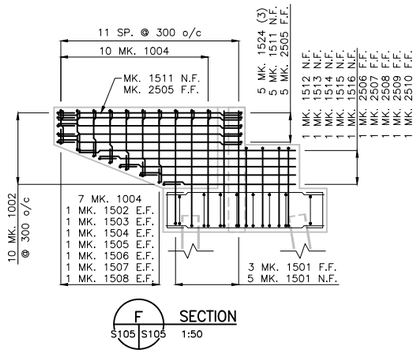

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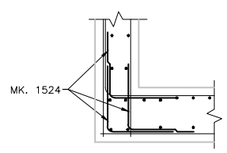

1 S105 S105 DETAIL 1:25

BILL OF REINFORCING STEEL

FOR ABUTMENT SU.1 & SU.2

STRAIGHT BARS				BENT BARS							
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	LENGTH (mm)	MASS (kg)
1501	24	2140	80.6	1001	12	B	100	300	300	700	6.6
1502	4	750	4.7	1002	20	B	250	300	300	850	13.3
1503	4	870	5.5	1003	12	B	300	300	300	900	8.5
1504	4	990	6.2	1004	34	B	210	300	300	810	21.6
1505	4	1110	7.0								
1506	4	1230	7.7	1509	28	A	300	2140		2440	107.3
1507	4	1350	8.5	1510	10	B	350	600	600	1550	24.3
1508	4	1470	9.2	1518	16	B	1430	600	600	2630	66.1
1511	10	3350	52.6	1520	52	B	650	600	600	1850	151.0
1512	2	2410	7.6	1521	32	B	615	600	600	1815	91.2
1513	2	2835	8.9	1522	14	B	1325	600	600	2525	55.5
1514	2	3210	10.1	1523	14	A	300	1450		1750	38.5
1515	2	3585	11.3	1524	30	A	600	600		1200	56.5
1516	2	3960	12.4								
1517	46	1850	133.6	2501	22	A	300	2140		2440	210.7
1519	26	2850	116.3	2504	30	A	1000	1850		2850	335.6
2001	26	2850	174.5								
2002	8	1850	34.9	TOTAL MASS OF REINFORCING STEEL FOR 1 ABUTMENT							2787.8 kg
				BAR TYPES							
2502	22	5300	457.7								
2503	8	7450	233.9								
2505	10	3350	131.5								
2506	2	1410	11.1								
2507	2	1835	14.4								
2508	2	2210	17.3								
2509	2	2585	20.3								
2510	2	2962	23.3								

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
UNLESS INDICATED OTHERWISE

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

LOCATION APPROVED
UNDERGROUND STRUCTURES
N/A
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
0	ISSUED FOR TENDER	15.04.24	J.M.B.

Stantec
100 - 1355 Taylor Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	S.Y.S.	CHECKED BY	M.J.B.
DRAWN BY	J.M.B.	APPROVED BY	M.J.B.
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:		DATE	
DATE	2014.03.24		

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
S105

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

GREATER WINNIPEG WATER DISTRICT
RAILWAY BRIDGE REPLACEMENT AT MILE 22.15
ABUTMENT REINFORCING
PLAN & DETAILS

SHEET 7 OF 15
CAD FILE DRAWING NUMBER 32050-s-105-800.dwg
CITY DRAWING NUMBER D-13428

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Date: 2015 Apr 24 1:16pm Login: Reyes, Rafael