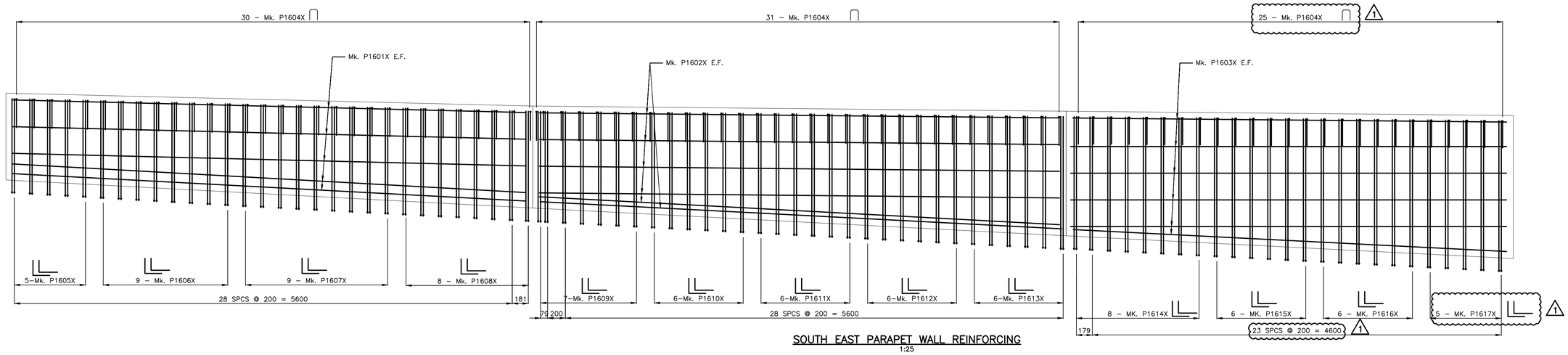
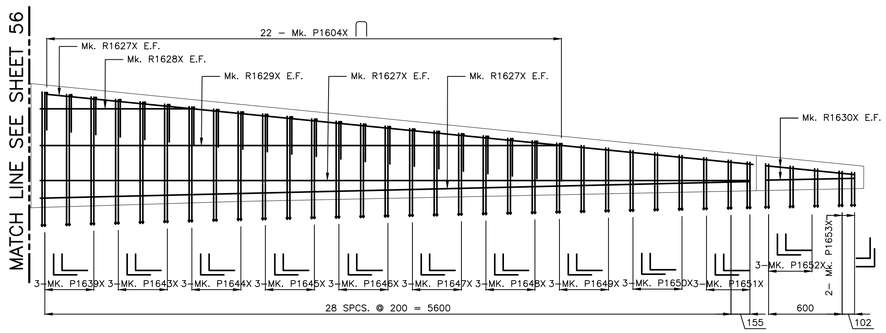


SOUTH EAST PARAPET WALL REINFORCING
1:25



NORTH EAST PARAPET WALL REINFORCING
1:25

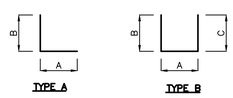
BILL OF REINFORCING STEEL

SOUTH EAST PARAPET WALL

STRAIGHT BARS				BENT BARS									
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	D	E	LENGTH (mm)	MASS (kg)
P1601X	10	5775	89.9	P1604X	86	B	150	300	300			750	100.4
P1602X	12	5850	109.2	P1605X	10	A	400	1100				1500	23.3
P1603X	12	4905	91.6	P1606X	16	A	400	1150				1550	38.6
				P1607X	18	A	400	1200				1600	44.8
				P1608X	16	A	400	1250				1650	41.1
				P1609X	14	A	400	1300				1700	37.0
				P1610X	12	A	400	1350				1750	32.7
				P1611X	12	A	400	1400				1800	33.6
				P1612X	12	A	400	1450				1850	34.5
				P1613X	12	A	400	1500				1900	35.5
				P1614X	16	A	400	1550				1950	48.5
				P1615X	12	A	400	1600				2000	37.3
				P1616X	12	A	400	1650				2050	38.3
				P1617X	10	A	400	1715				2115	32.9

TOTAL MASS OF MMFX STEEL REINFORCING = 869.2 kg

BAR TYPES



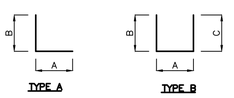
BILL OF REINFORCING STEEL

NORTH EAST PARAPET WALL

STRAIGHT BARS				BENT BARS									
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	TYPE	A	B	C	D	E	LENGTH (mm)	MASS (kg)
P1618X	12	5225	81.3	P1604X	289	B	150	300	300			750	337.3
P1619X	10	5760	107.6	P1630X	46	A	400	1615				2015	144.2
P1620X	8	5890	73.3	P1631X	34	A	400	1425				1825	96.5
P1621X	8	5715	71.1	P1632X	30	A	400	1305				1705	79.6
P1622X	8	5640	70.2	P1633X	78	A	400	1205				1605	194.8
P1623X	26	5740	232.2	P1634X	44	A	400	1150				1550	106.1
P1624X	8	5775	71.9	P1635X	22	A	400	1090				1490	51.0
P1625X	2	570	1.8	P1636X	128	A	400	1050				1450	288.8
P1626X	2	5180	16.1	P1637X	20	A	400	1070				1470	45.7
P1627X	6	5790	54.1	P1638X	20	A	400	1080				1480	46.1
P1628X	2	1240	3.9	P1639X	16	A	400	1095				1495	37.2
P1629X	2	4260	13.3	P1640X	20	A	400	1125				1525	47.5
P1630X	4	725	4.5	P1641X	26	A	400	1185				1585	64.1
				P1642X	52	A	400	1225				1625	131.5
				P1643X	6	A	400	1020				1420	13.3
				P1644X	6	A	400	940				1175	12.5
				P1645X	6	A	400	865				1265	11.8
				P1646X	6	A	400	800				1200	11.2
				P1647X	6	A	400	720				1120	10.5
				P1648X	6	A	400	645				1045	9.8
				P1649X	6	A	400	570				970	9.1
				P1650X	6	A	400	500				900	8.4
				P1651X	6	A	400	425				825	7.7
				P1652X	6	A	400	365				765	7.1
				P1653X	4	A	400	290				690	4.3

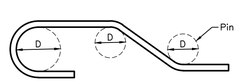
TOTAL MASS OF MMFX STEEL REINFORCING = 2577.4 kg

BAR TYPES



NOTE:

1. All dimensions given in bending diagram are out to out, except raddii. radii are inside dimensions. All reinforcing steel bends and hooks shall conform to clause 6.6.2 of C.S.A. A23.1–04, unless noted otherwise in the BILL OF REINFORCING STEEL.
2. All reinforcing steel shall be deformed steel, unless noted otherwise in the BILL OF REINFORCING STEEL.
3. Like bars shall be bundled, securely tied and identified as to mark and site no. by appropriate means. All other items to be identified in a similar fashion.
4. Unless otherwise noted, pin diameters shall be similar at all bends and hooks of a bar in accordance with the following detail:



LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES — DATE
COMMITTEE

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 98% REVIEW	16.06.07	K.S.A.

Stantec
500 - 311 Portage Avenue, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	S.Y.	CHECKED BY	K.S.A.
DRAWN BY	T.B.C.	APPROVED BY	B.W.
HOR. SCALE: / VERTICAL:	AS SHOWN	RELEASED FOR CONSTRUCTION:	
DATE	2016.05.06	DATE	

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
S-141

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 REGIONAL STREET PROGRAM
ARCHIBALD UNDERPASS
ST+ 130 TO ST+ 370
EAST PARAPET REINFORCING DETAILS (2 OF 2)

SHEET 57 OF 62
CAD FILE DRAWING NUMBER 06880s-140-884.dwg
CITY DRAWING NUMBER U205-16-57

Y:\1137-active\113706880\0300_drawing\0302_sheet_files\03_structural\06880s-140-884.dwg
2016/07/14 - 11:48 AM By: Carley, Trevor