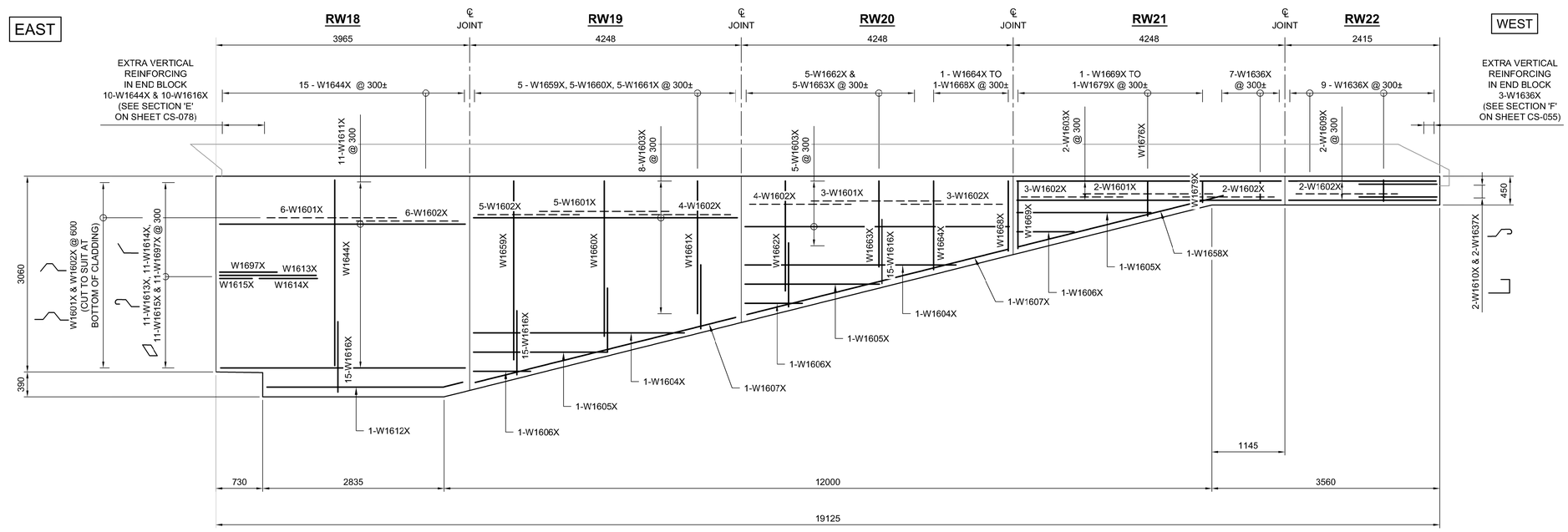
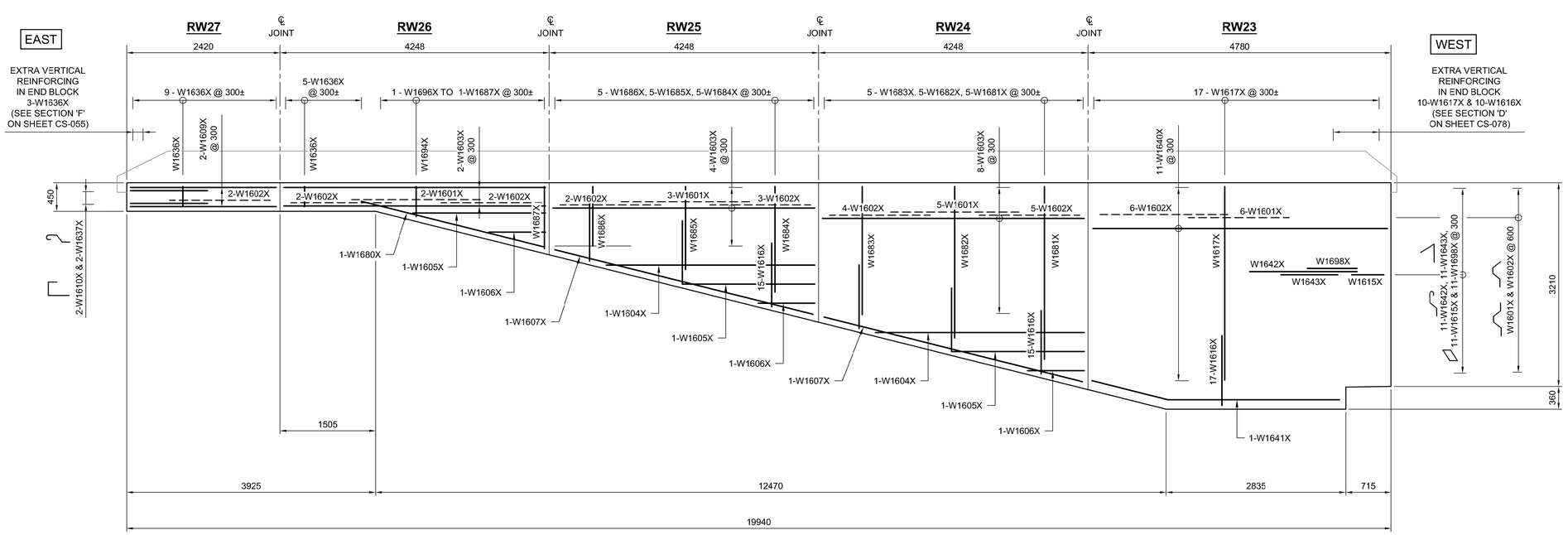


NORTH-WEST WINGWALL REINFORCING

1:50



NORTH-EAST WINGWALL REINFORCING

1:50

NOTES:

1. REFER TO SHEET CS-063 FOR STANDARD JOINT DETAILS.
2. ALL EXPOSED EDGES TO BE CHAMFERED 20 mm UNLESS NOTED OTHERWISE.

CONCRETE CLADDING & COPING SCHEDULE

FOR UNDERPASS NORTH-WEST WINGWALL

	CONC. PANEL		CONC. END BLOCK	COPING
MK.	REINFORCING	STUDS	REINFORCING	REINFORCING
RW18	AS DETAILED	65 - MK."S1"	AS DETAILED	7-C1603X(5), 13-C1605X, 1-C1609X(1), 1-C1609X(2), 1-C1609X(3), 1-C1610X, 1-C1611X, 1-C1612X, - SEE SECTION C ON SHEET CS-078
RW19	AS DETAILED	62 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW20	AS DETAILED	44 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW21	AS DETAILED	22 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW22	AS DETAILED	9 - MK."S1"	AS DETAILED	7-C1603X(6), 7-C1605X, 1-C1606X, 1-C1607X(1), 1-C1607X(2), 2-C1607X(3), 1-C1608X (SEE DETAIL 7 ON SHEET CS-055)

NOTE: REFER TO SHEET CS-068 FOR PANEL LOCATIONS.

CONCRETE CLADDING & COPING SCHEDULE

FOR UNDERPASS NORTH-EAST WINGWALL

	CONC. PANEL		CONC. END BLOCK	COPING
MK.	REINFORCING	STUDS	REINFORCING	REINFORCING
RW23	AS DETAILED	64 - MK."S1"	AS DETAILED	7-C1603X(7), 14-C1605X, 1-C1609X(1), 1-C1609X(2), 1-C1609X(3), 1-C1610X, 1-C1611X, 1-C1612X, - SEE SECTION C ON SHEET CS-078),
RW24	AS DETAILED	55 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW25	AS DETAILED	37 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW26	AS DETAILED	22 - MK."S1"		7-C1603X(1), 15-C1605X (SEE TYPICAL ELEVATION ON SHEET CS-055)
RW27	AS DETAILED	9 - MK."S1"	AS DETAILED	7-C1603X(6), 7-C1605X, 1-C1606X, 1-C1607X(1), 1-C1607X(2), 2-C1607X(3), 1-C1608X (SEE DETAIL 7 ON SHEET CS-055)

NOTE: REFER TO SHEET CS-068 FOR PANEL LOCATIONS.

BILL OF MISCELLANEOUS METAL

FOR UNDERPASS WINGWALLS

MARK	QTY	DESCRIPTION	UNIT MASS	TOTAL MASS
S1	771	19 DIA. x 200 LG SHEAR STUDS	0.484	373.16
			TOTAL MASS (kg) =	373.16

NOTE: ALL MATERIAL IN THE ABOVE BILL OF MISCELLANEOUS METAL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 TO A NET RETENTION OF 610g/m^2 UNLESS NOTED OTHERWISE.

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 **Date:** 2018/02/09

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	18/02/09	DRA

DILLON CONSULTING

DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	CGC	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
DATE	2018/02/09	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.R.C. AMORIM
Member 33215
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
17-5932

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

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

PEDESTRIAN-CYCLIST UNDERPASS
WINGWALL DETAILS 3 OF 3

CITY DRAWING NUMBER: U-243-2017-CS-080
SHEET 080 OF 100
CONSULTANT DRAWING NUMBER: CS-080

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