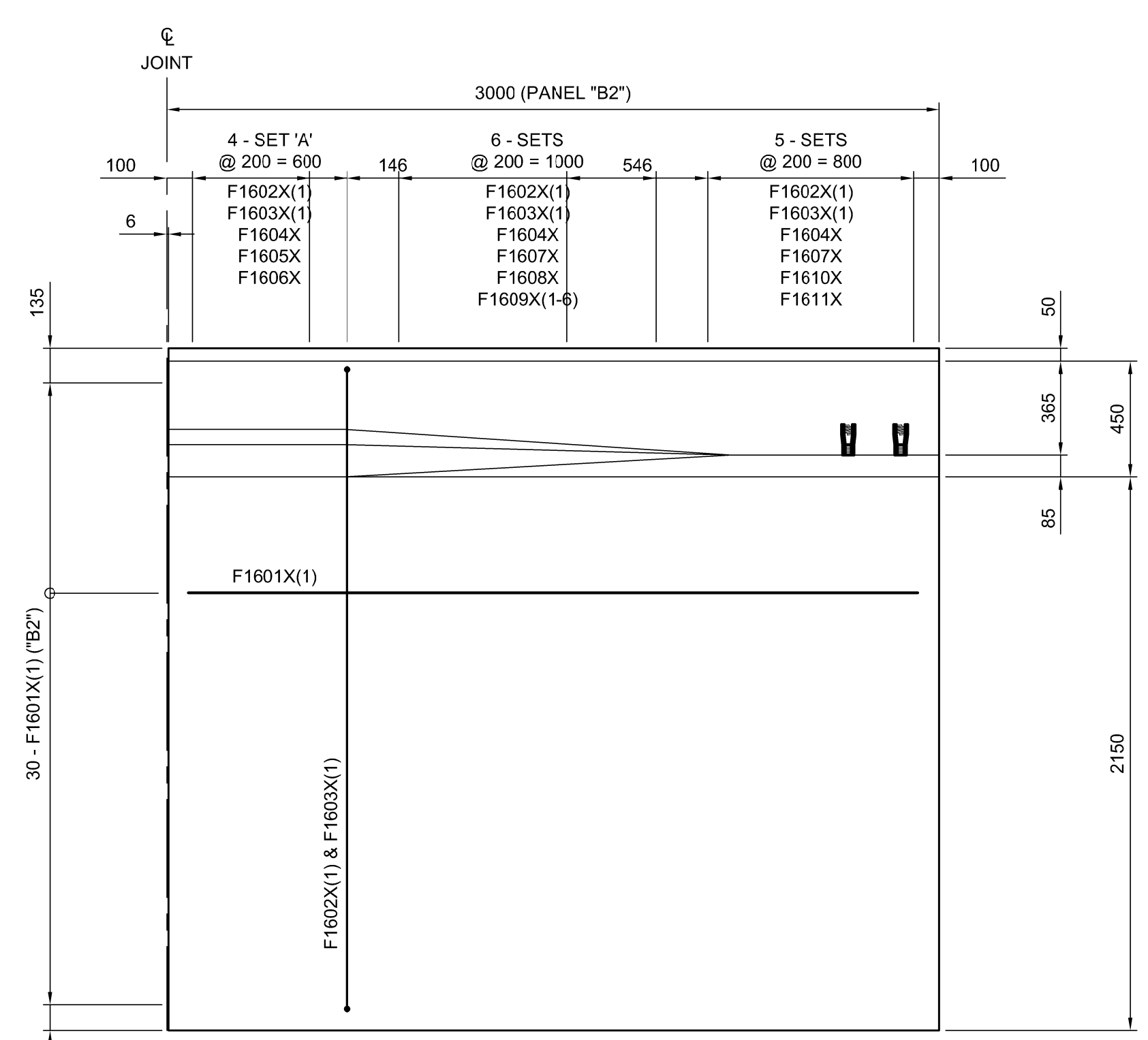
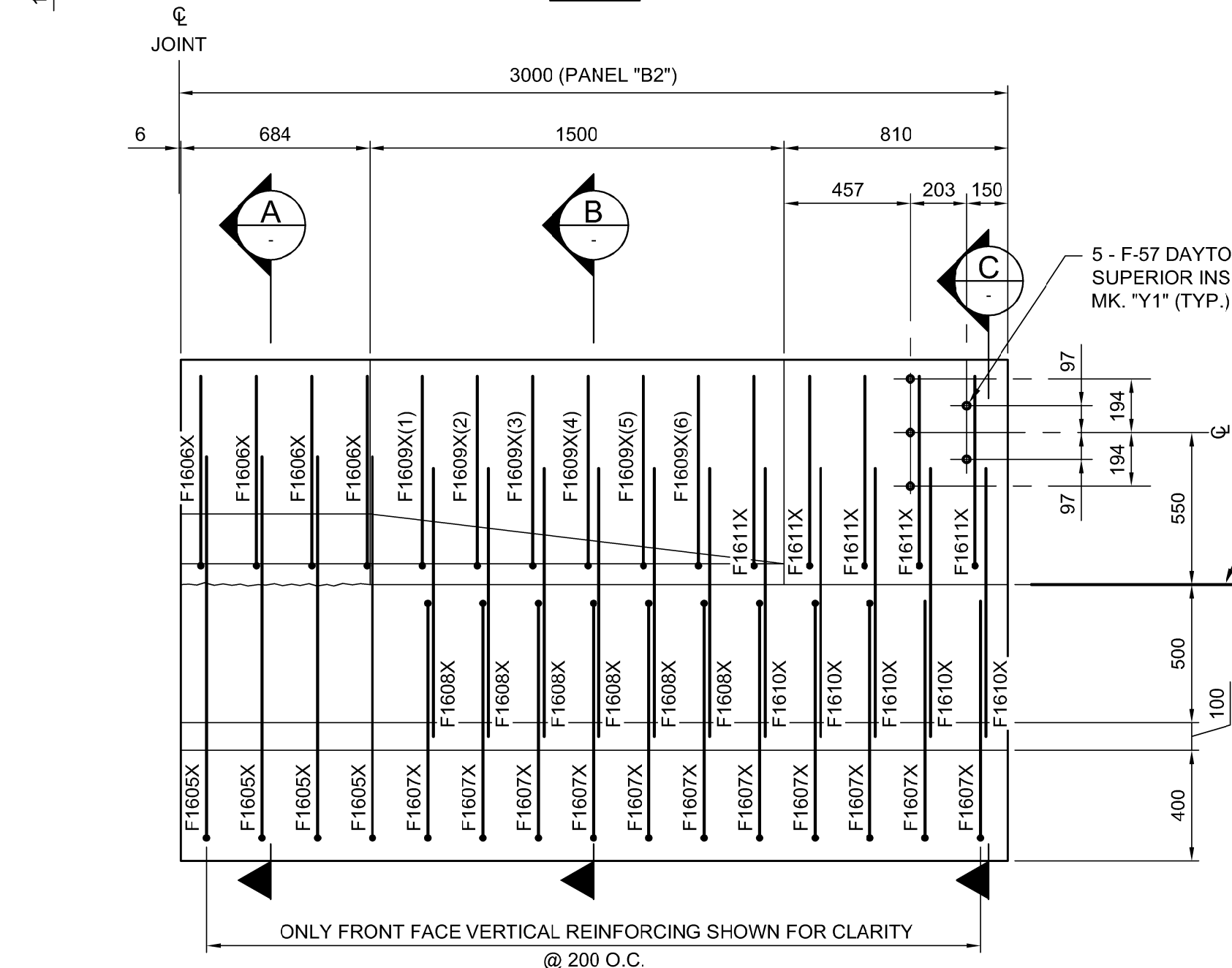


BARRIER PANEL "B1" (78 REQUIRED)
BARRIER PANEL "B7" (1 REQUIRED)
BARRIER PANEL "B9" (1 REQUIRED)

NOTE:
SHOWING FOOTING
REINFORCING ONLY



PLAN

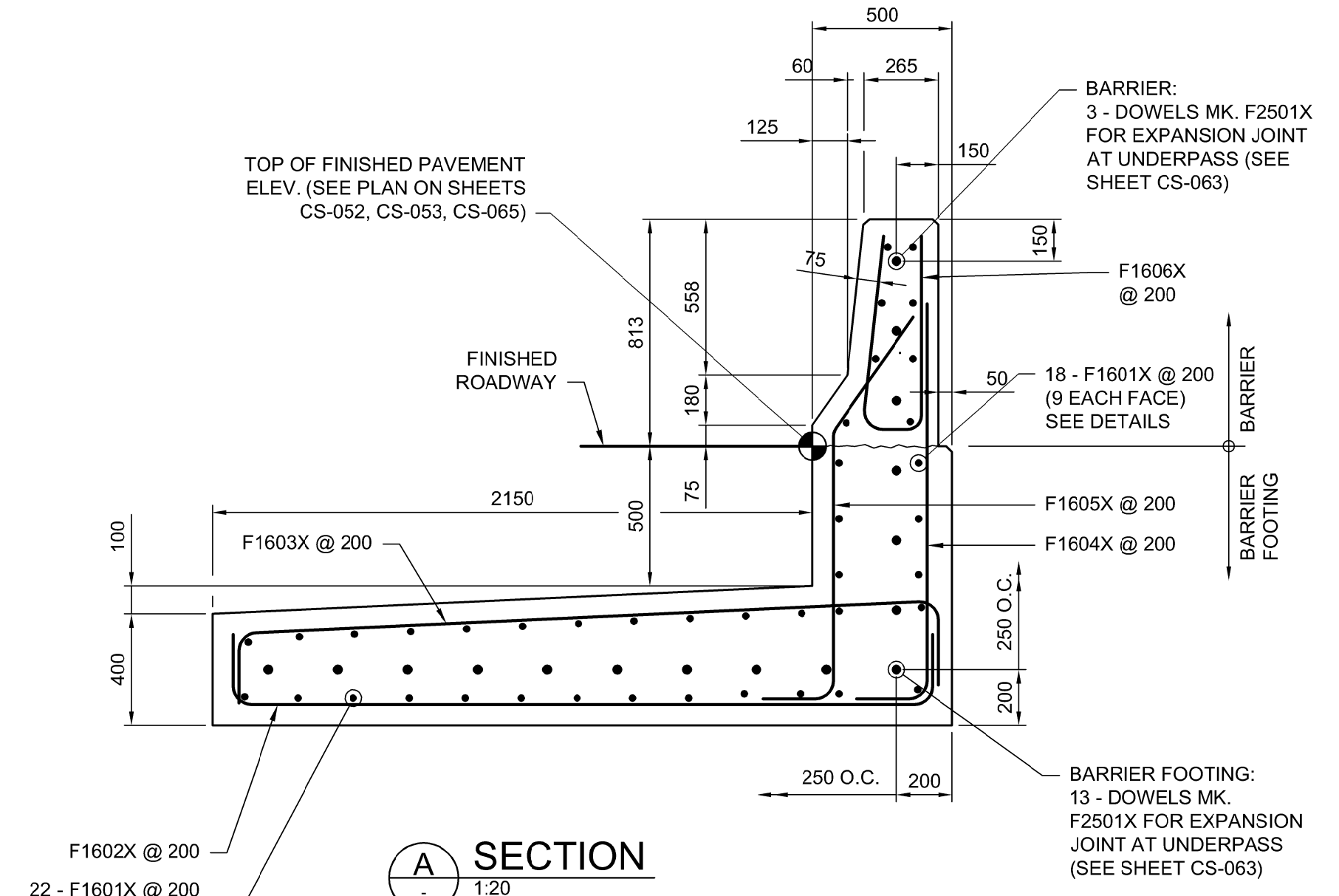


ELEVATION

BARRIER PANEL "B2" (2 REQUIRED)

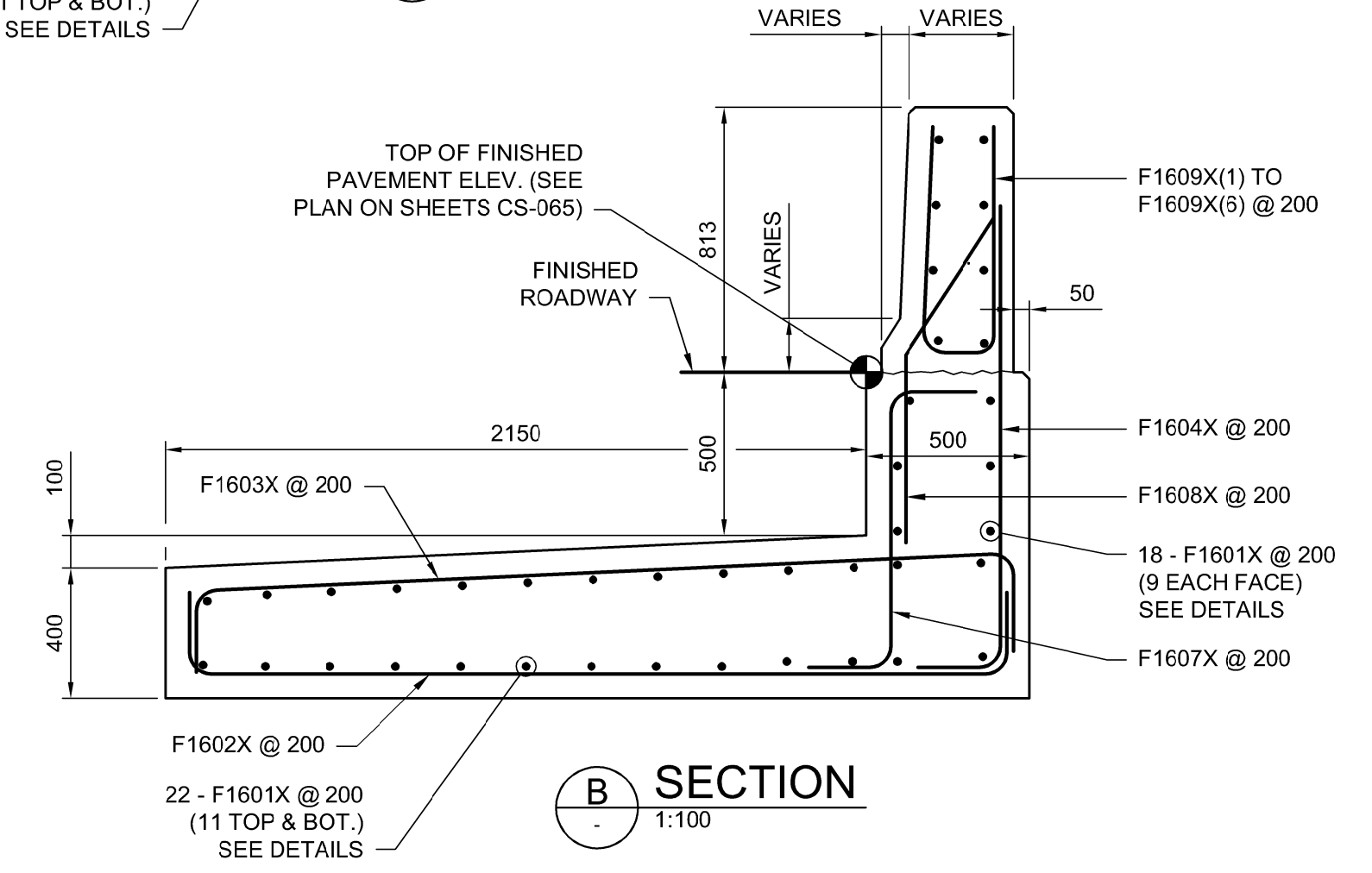
1:20

ONLY FRONT FACE VERTICAL REINFORCING SHOWN FOR CLARITY @ 200 O.C.



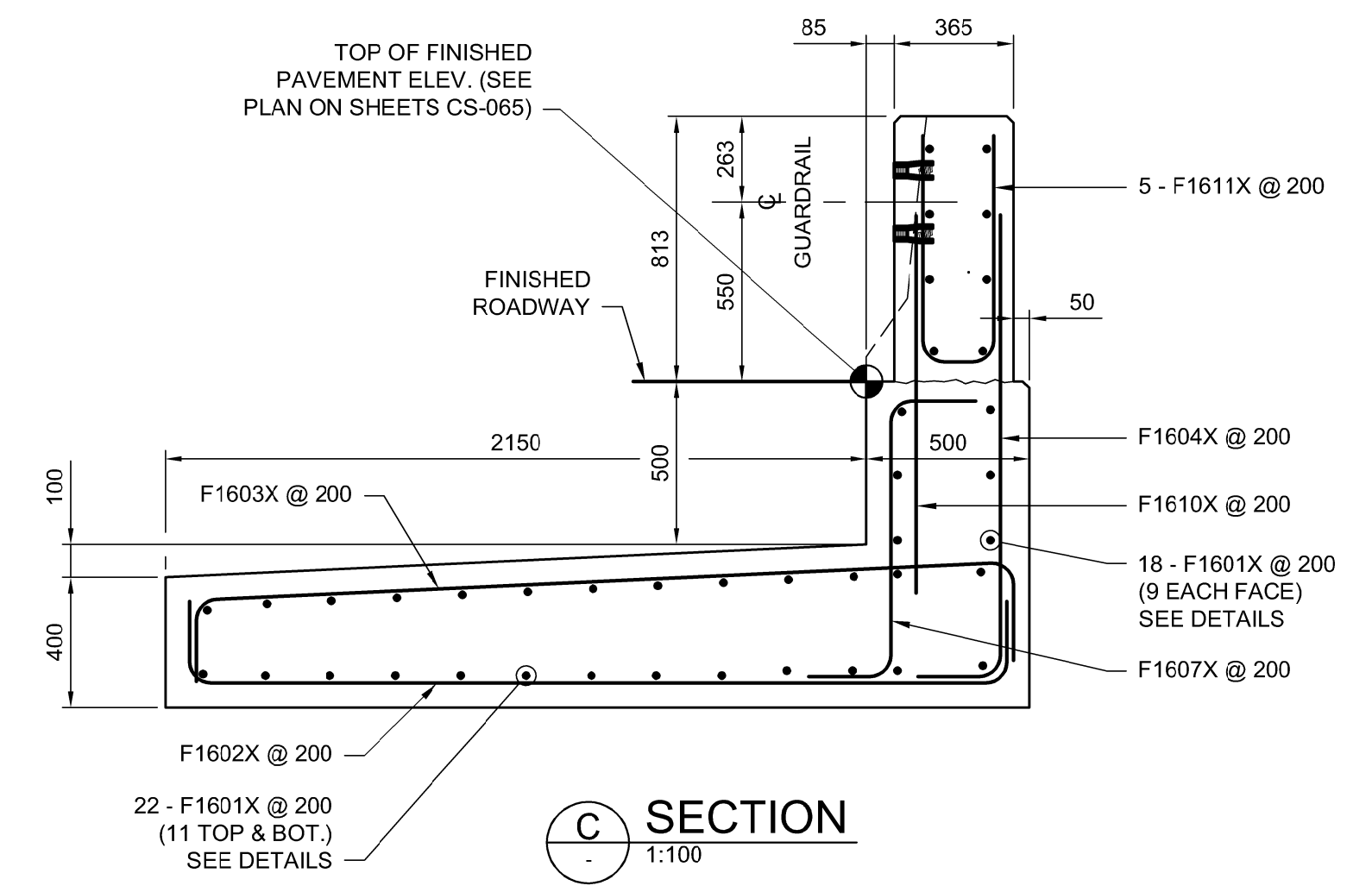
SECTION A

F1602X @ 200
22 - F1601X @ 200 (11 TOP & BOT.) SEE DETAILS



SECTION B

F1602X @ 200
22 - F1601X @ 200 (11 TOP & BOT.) SEE DETAILS

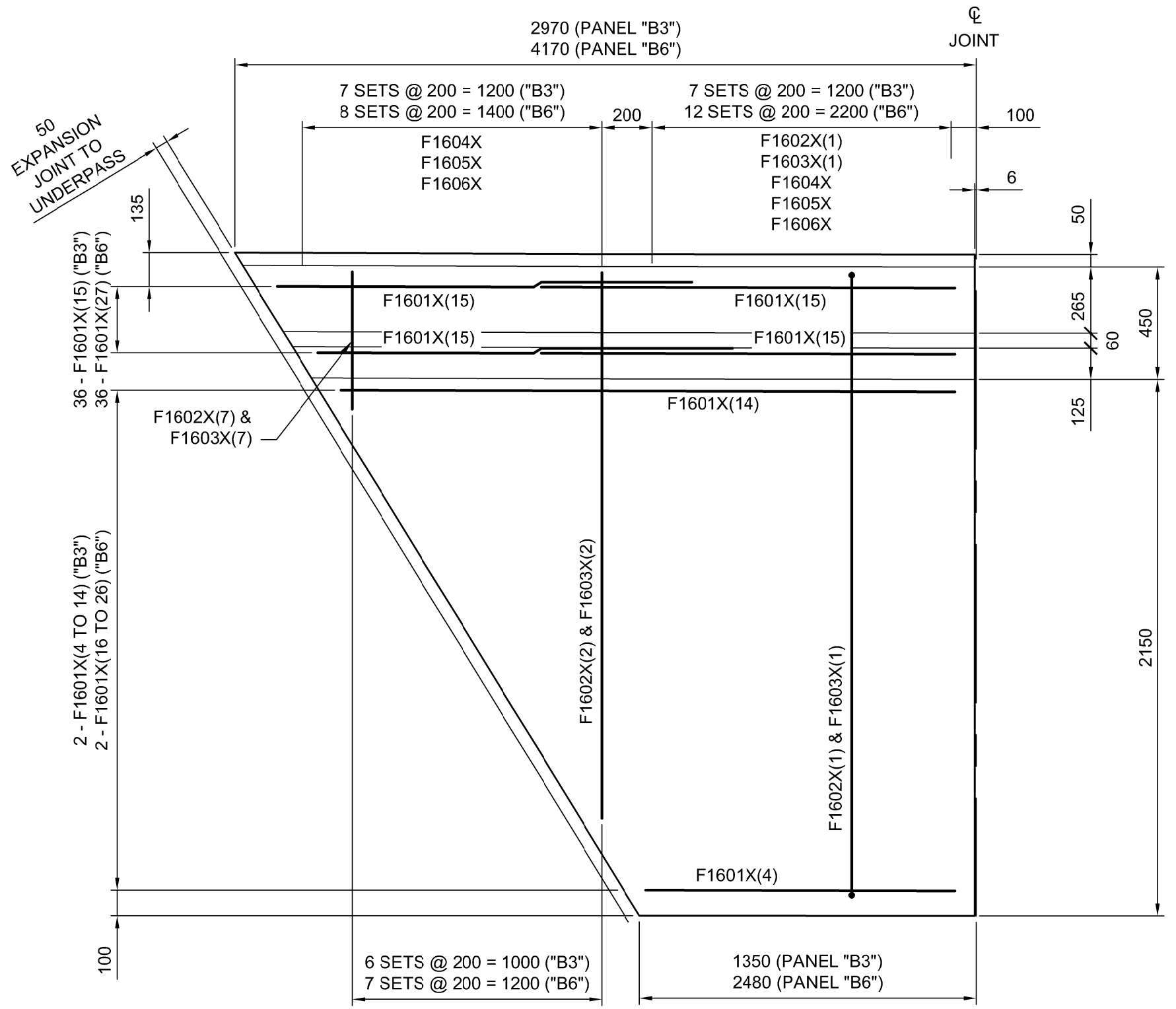


SECTION C

F1602X @ 200
22 - F1601X @ 200 (11 TOP & BOT.) SEE DETAILS

NOTES:

- FOR SHOULDER BARRIER LAYOUT REFER TO ELEVATION ON SHEETS CS-052, CS-053 AND CS-068.
- ALL EXPOSED EDGES TO BE CHAMFERED 20 mm UNLESS NOTED OTHERWISE.
- FOR STANDARD JOINT DETAILS, REFER TO SHEET CS-063



BARRIER PANEL "B6" (1 REQUIRED)
BARRIER PANEL "B3" (1 REQUIRED)

NOTE:
SHOWING FOOTING
REINFORCING ONLY

ROADWAY SHOULDER BARRIERS	
CONSTRUCTION JOINT DOWELS	
NO. OF JOINTS	REBAR DOWELS EACH JOINT
89	3 - M2501X SMOOTH DOWELS X 600 LG. IN BARRIER
9	13 - M2501X SMOOTH DOWELS X 600 LG. IN BARRIER FOOTING

NOTE: SEE SECTION 'A' FOR DOWEL ARRANGEMENT.

BILL OF MISCELLANEOUS METAL FOR ROADWAY SHOULDER BARRIERS				
MARK	QTY	DESCRIPTION	UNIT MASS	TOTAL MASS
Y1	10	19 DIA. F-57 DAYTON SUPERIOR STAINLESS STEEL EXPANDED COIL FERRULE INSERT C/W 1 PLATE WASHER	0.38	3.80
TOTAL MASS (kg) = 3.80				



NO.	REVISIONS	5 SETS OF	DATE	BY
0	ISSUED FOR TENDER		18/02/09	DRA
			2018/02/09	

		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

 REGISTERED PROFESSIONAL ENGINEER
 CONSULTANT PROJECT NUMBER
 17-5932

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

FERMOR AVENUE BRIDGE OVER SEINE RIVER
 BRIDGE RE-HABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET
 CITY DRAWING NUMBER
 U-243-2017-CS-057
 SHEET
 057 OF 100
 CONSULTANT DRAWING NUMBER
 CS-057

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