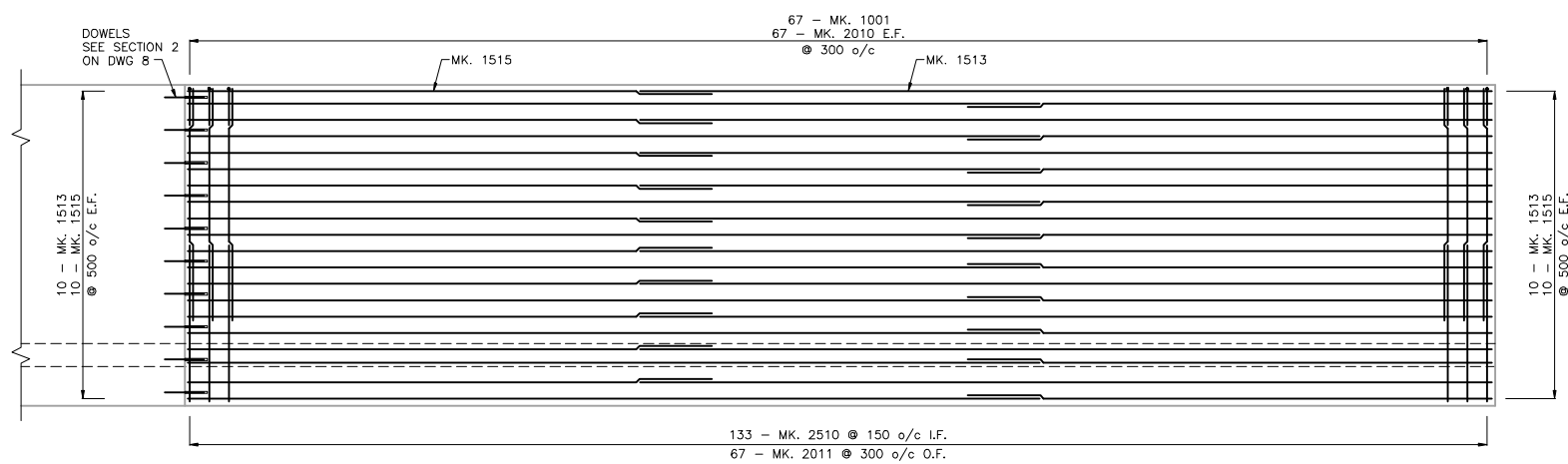
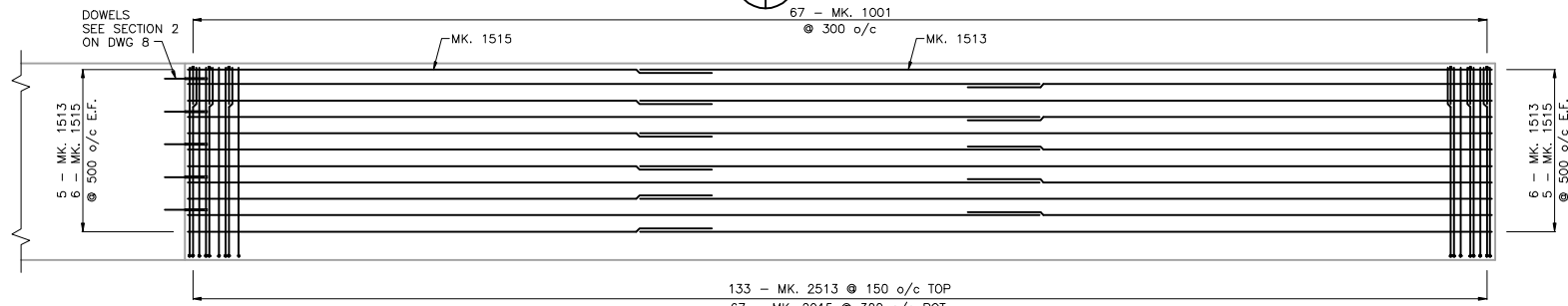


A
8 14
VIEW



C
14 14
VIEW



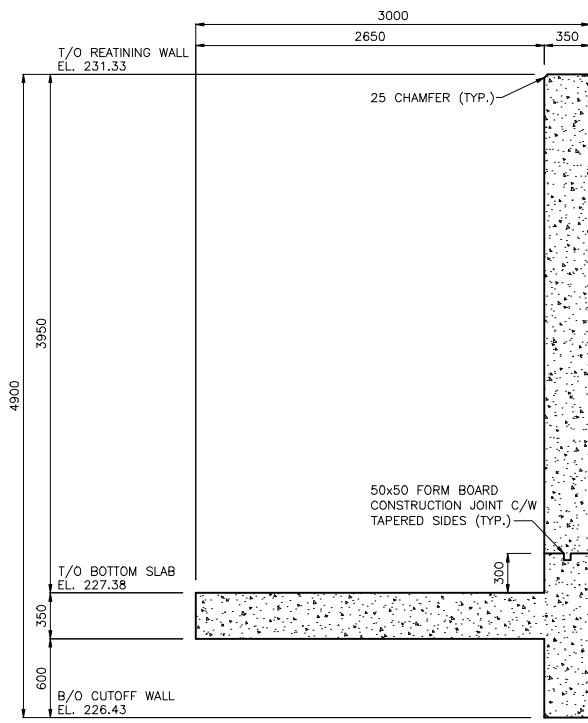
D
14 14
SECTION

NOTES:

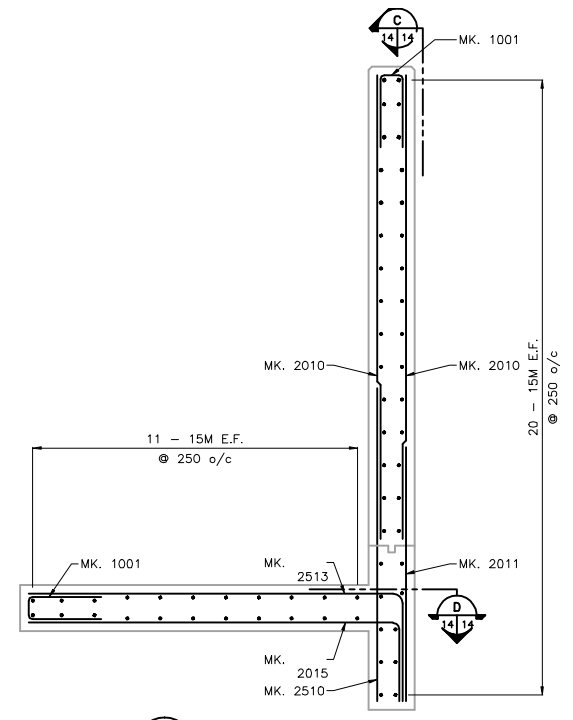
1. ALL DIMENSIONS GIVEN ARE OUT TO OUT, EXCEPT RADI. RADI ARE INSIDE DIMENSIONS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED STEEL UNLESS NOTED OTHERWISE.
3. LIKE BARS SHALL BE BUNDLED, SECURELY TIED AND IDENTIFIED AS TO MARK AND SITE NO. BY APPROPRIATE MEANS. ALL OTHER ITEMS TO BE IDENTIFIED IN A SIMILAR FASHION.

STRAIGHT BARS					WINGWALL					BENT BARS					BAR TYPES		
MARK	QTY.	LENGTH (mm)	MASS (kg)		MARK	QTY.	TYPE	A	B	C	LENGTH (mm)	MASS (kg)					
1513	62	13000	---		1001	134	C	220	600	600	1420	149.4					
1515	62	8000	---		2015	67	A	2870	600		2970	---					
2010	133	3535	1107.2		2513	133	A	2870	820		3190	---					
2011	67	2285	360.5		TOTAL MASS OF REINFORCING STEEL											---	kg
2510	133	2735	1427.7														

LOCATION APPROVED UNDERGROUND STRUCTURES				B.M. ELEV.	
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.					
NO.	REVISIONS	DATE	BY	DATE	2010.01.04



B
14 14
TYP. WINGWALL SECTION
1:25



B
14 14
TYP. WINGWALL REINFORCING
1:25



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DESIGNED BY: K.S.A.	CHECKED BY: V.M.M. / K.S.A.
DRAWN BY: J.M.B.	APPROVED BY: K.S.A.
SCALE: 1:50 U.N.O.	RELEASED FOR CONSTRUCTION: DATE

ENGINEER'S SEAL
CONSULTANT DRAWING NO. S-107

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

KENASTON BOULEVARD
AT BISHOP GRANDIN BOULEVARD
CONCRETE CULVERT EXTENSION
RETAINING WALL CONCRETE & REINFORCING

SHEET 14 OF 14
CAD FILE DRAWING NUMBER 04840s-107-727.dwg
CITY DRAWING NUMBER C375-II-14