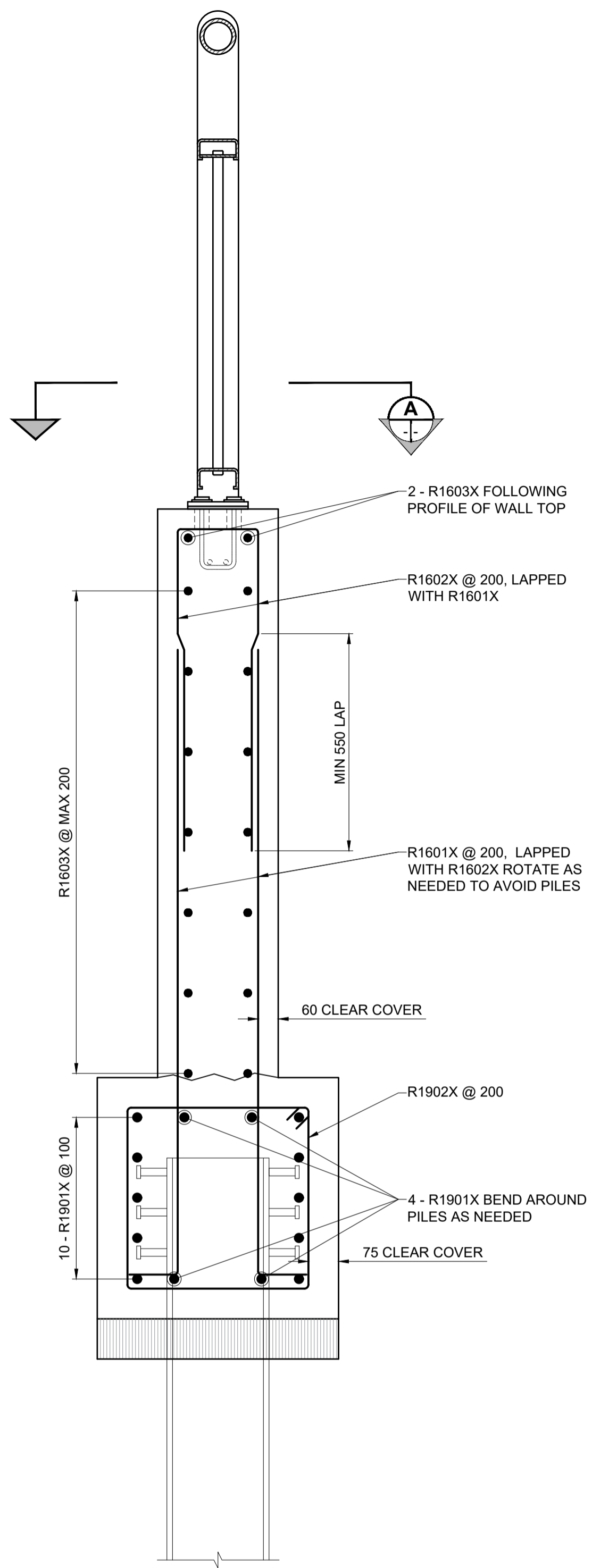
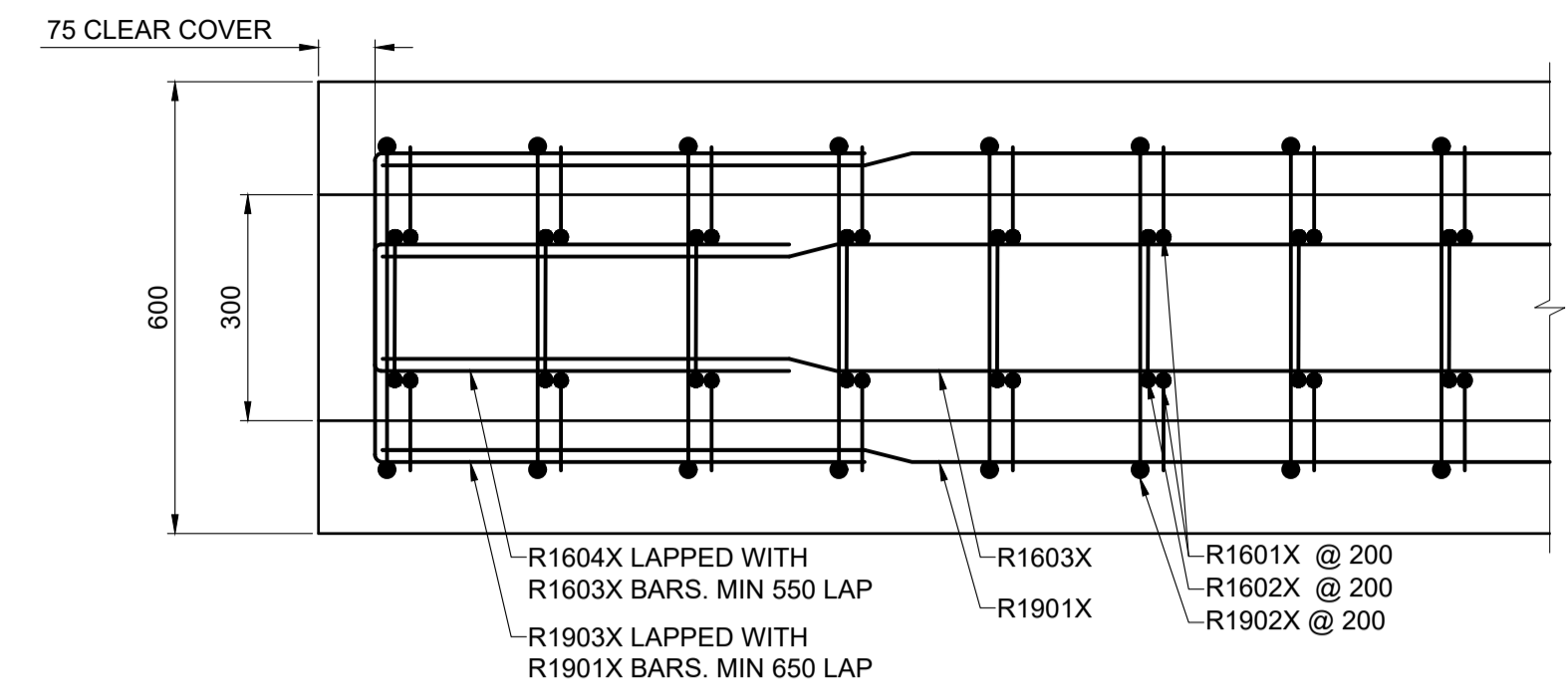


DETAIL - TYPICAL WALL
SCALE: 1:10

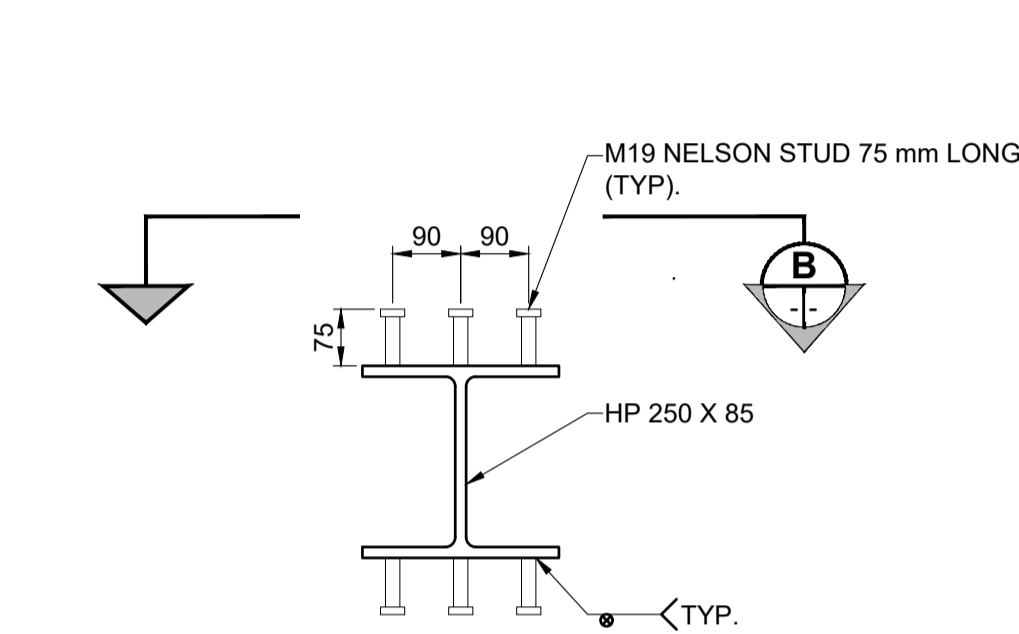


DETAIL - TYPICAL WALL REINFORCING
SCALE: 1:10

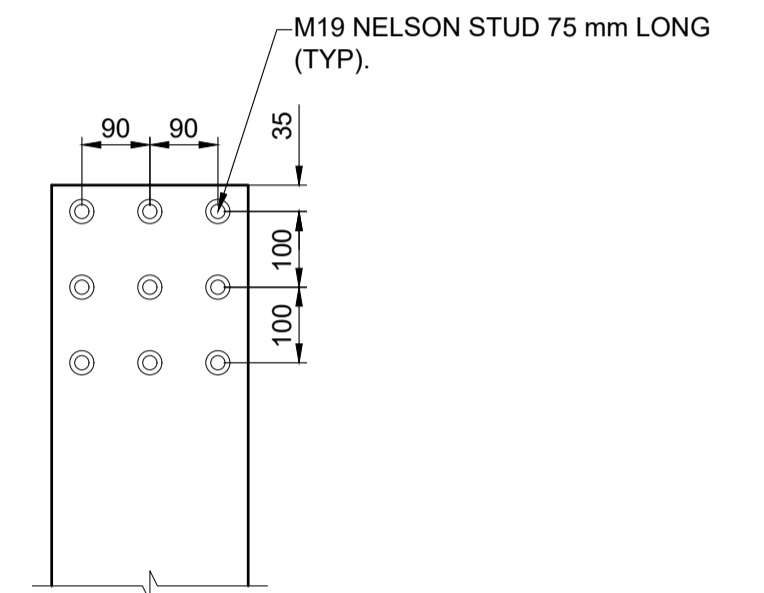


NOTE: BOTTOM GRADE BEAM 4 - R1901X CENTER BARS NOT SHOWN FOR CLARITY

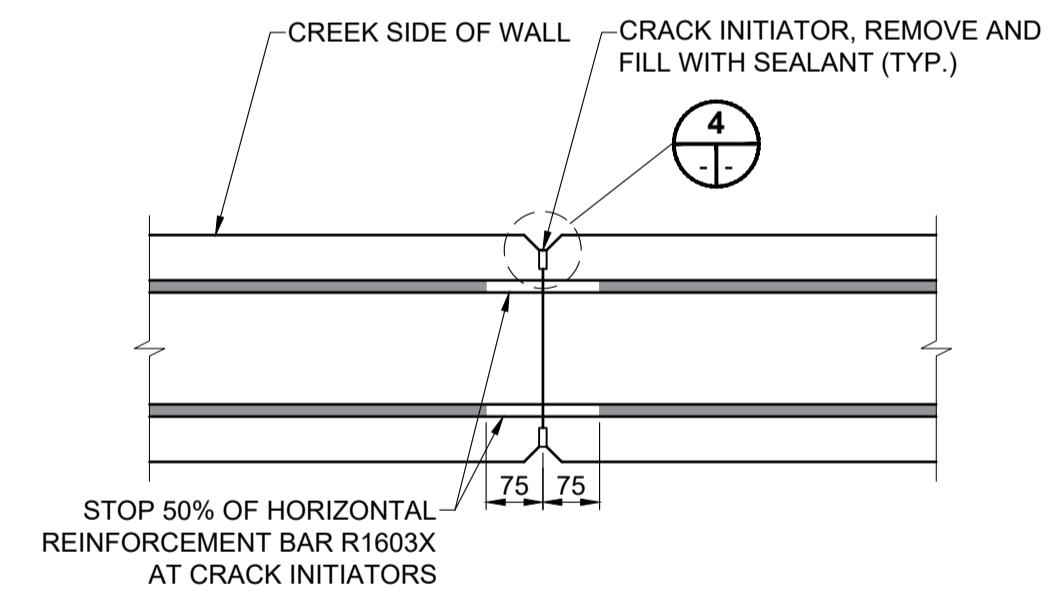
PLAN - TYPICAL WALL END REINFORCING
SCALE: 1:10



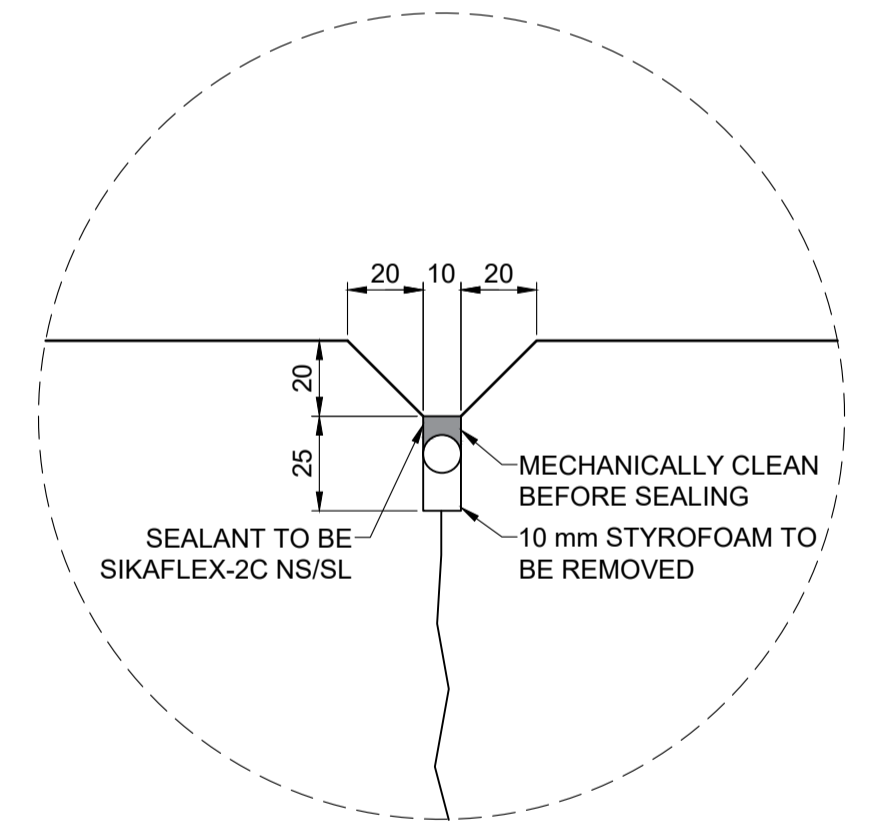
DETAIL - NELSON STUDS
SCALE: 1:10



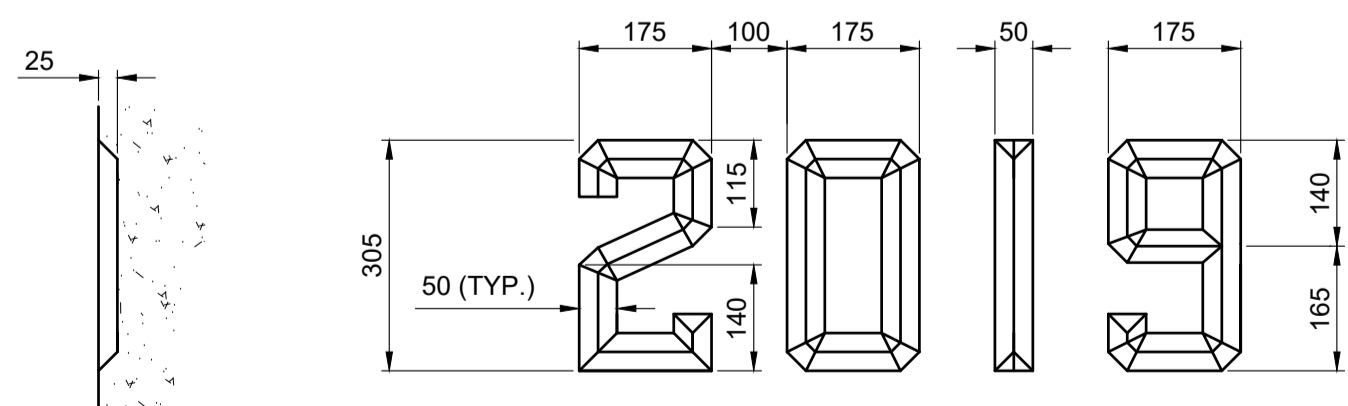
ELEVATION - NELSON STUD LAYOUT
SCALE: 1:10



DETAIL - TYPICAL CONTROL JOINT
SCALE: 1:10



DETAIL - TYPICAL CONTROL JOINT
SCALE: 1:2



DETAIL - DATE FIGURES
SCALE: 1:10



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

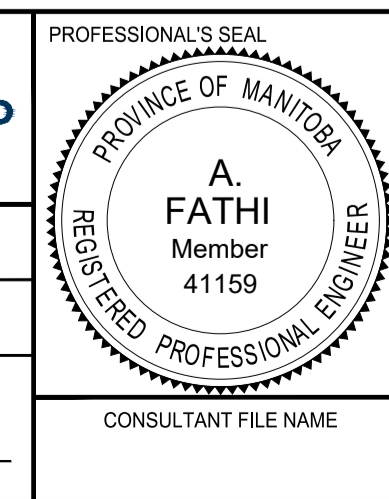
LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. 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
B	ISSUED FOR TENDER	18/09/04	BAP
A	ISSUED FOR 95% DESIGN REVIEW	18/08/07	BAP

DESIGNED BY	CHECKED BY	DRAWN BY	APPROVED BY	RELEASED FOR CONSTRUCTION
AF	YM	TN	BAP	N/A
HOR SCALE AS SHOWN		VERT SCALE AS SHOWN		



BID OPPORTUNITY No. 602-2018

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

EMPRSS STREET PROJECT
EMPRSS STREET RETAINING WALL
CONCRETE AND REINFORCING DETAILS

CITY DRAWING NUMBER P-3494-163
SHEET 163 OF 168
DRAWING No. REV 163 B