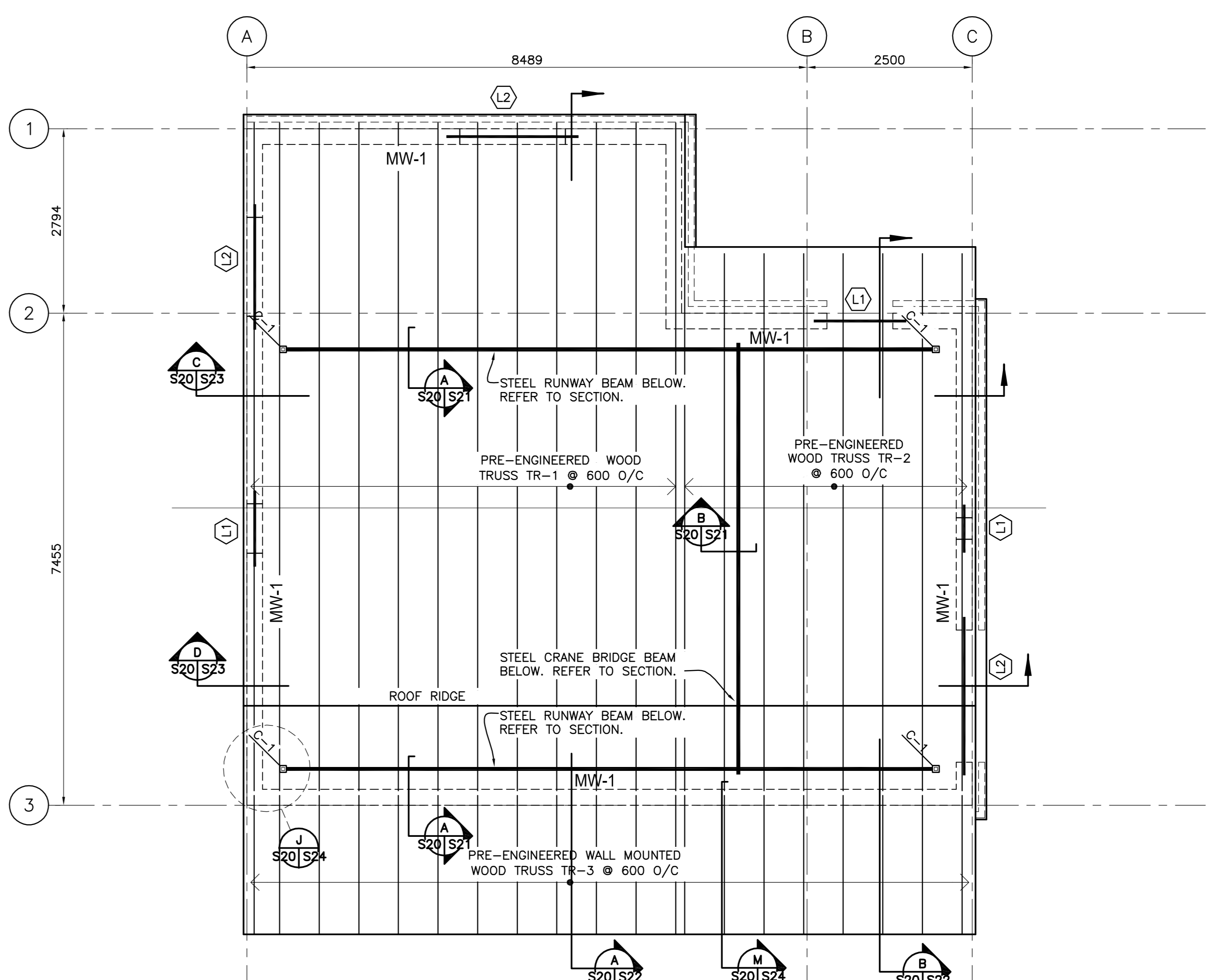


**MAIN FLOOR FRAMING PLAN**  
1:50

T/O MAIN FLOOR ELEV. = 234.50  
DESIGN LIVE LOAD = 12 kPa



**ROOF FRAMING PLAN**  
1:50

DESIGN LIVE LOAD = 1.56 kPa  
TOTAL DESIGN LOAD = 2.56 kPa

**STEEL COLUMN MARK C-1**  
H.S.S. 102x102x0.25  
EPOXY COATED STEEL COLUMN.  
INCLUDES CAP & BASE PLATES, ANCHOR BOLTS, NUT AND WASHERS. PROVIDE ON MIN 1" NON-SHRINK GROUT.

**NOTE:**  
CRANE BRIDGE BEAM LOAD LIMIT OF 2 TONNES TO BE PAINTED ON BOTH SIDES OF THE CRANE BEAM.  
CONTRACTOR TO PROVIDE STEEL STOPS FOR RUNWAY BEAM AND HOIST TROLLEY.

MASONRY LINTEL SCHEDULE					
MARK	SIZE	MATERIAL	REINFORCING	TIES	BEARING EACH END
L-1	240x400 DP.	CONC. U-BLK.	2-15M TOP & BOT.	-	200mm
L-2	240x600 DP.	CONC. U-BLK.	2-15M TOP & BOT.	10M @ 200 O/C	200mm
L-3	190x200 DP.	CONC. U-BLK.	2-15M BOTTOM	-	200mm

- ALL PENETRATIONS THROUGH MASONRY BEARING WALLS TO BE LOCATED MIN. 400mm BELOW TRUSS BEARING ELEVATION  
- PROVIDE LINTEL MK. L1 FOR MASONRY WALL PENETRATIONS LESS THAN 600mm WIDE.

MASONRY WALL SCHEDULE			
MARK	SIZE	VERTICAL REINF. & CONCRETE FILLED CORES	MAIN FLOOR DOWELS
MW-1	240 BLOCK	15M (FULL HT.) @ 600 O/C	15Mx1200 @ 600 O/C
MW-2	190 BLOCK	15M (FULL HT.) @ 1200 O/C	15Mx1200 @ 1200 O/C

- WHERE REQUIRED PROVIDE STANDARD REINFORCING LAPS  
- SEE GENERAL NOTES FOR BOND BEAM REQUIREMENTS

CONCRETE BEAM SCHEDULE (MAIN FLOOR)						
MARK	SIZE	TOP CONT. REINFORCING	BOTTOM CONT. REINFORCING	10M STIRRUPS	ADDITIONAL REBAR	REMARKS
B4	300x510/600	2-25M 300 HOOK E.E.	2-25M 300 HOOK E.E.	225 o/c		
B5	400x1110/1200	3-30M	3-30M	450 o/c	2-10M HORIZ. E.F.	HOOK BARS INTO BEAMS/WALLS EACH END.
B6	555/735x300 (WITHIN SLAB)	2-30M 400 HOOK E.E.	2-30M 400 HOOK E.E.	2 @ 225 o/c	4-15M HORIZ. E.F. EXTRA AT OPENINGS.	30M BARS AND TIES EXTEND FROM GRIDLINE 1 TO 2.5
B7	400x1800	4-30M 400 HOOK E.E.	4-30M 400 HOOK E.E.	450 o/c	4-10M HORIZ. E.F.	TOP BARS TO BE 6000 LONG AT GRIDLINE A.
B8	400x2000	3-30M 400 HOOK E.E.	3-30M 400 HOOK E.E.	450 o/c	4-10M HORIZ. E.F.	

**LOCATION APPROVED UNDERGROUND STRUCTURES**  
SUPPLY 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.	DATE	BY

**Stantec Consulting Ltd.**  
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DESIGNED BY P.W. CHECKED BY K.W.C.  
DRAWN BY V.J.F. APPROVED BY W.S.

HOR. SCALE: AS SHOWN  
VERTICAL: R. FINGAS, P. ENG. 05.12.09  
R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER

ENGINEER'S SEAL  
ORIGINAL SEALED BY K.W. CHARLESON P. ENG. 05.12.09  
CONSULTANT DRAWING NO. I13703042-S20

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

**Winnipeg**

**KENASTON UNDERPASS**  
KENASTON UNDERPASS PUMPING STATION

STRUCTURAL - MAIN FLOOR PLAN, ROOF PLAN, AND SCHEDULES

SHEET 5 OF 25  
CAD FILE DRAWING NUMBER 113703042-S19.dwg  
CITY DRAWING NUMBER P-3258-149

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APECM**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301 Expiry: April 30, 2006