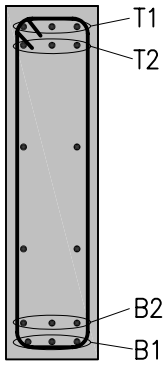
GRADE BEAM SCHEDULE

BEAM MARK	GRADE BEAM DIMENSIONS	GRADE BEAM REINFORCING	BEAM STIRRUPS	UNDERSIDE OF BEAM ELEVATION
GB1	400x1200 dp	T1=4–20M B1=4–20M 4–15M EACH FACE	10M @ 300 o/c	–
GB2	400x1200 dp	T1=4–25M B1=5–25M 4–15M EACH FACE	10M @ 300 o/c	–
GB3	400x750 dp	T1=4–25M B1=5–25M 2–15M EACH FACE	10M @ 200 o/c	–
GB4	400x1200 dp	T1=4–25M T2=2–15M B1=5–25M B2=2–15M 4–15M EACH FACE	10M @ 200 o/c	–
GB5	300x750 dp	T1=3–25M B1=4–25M 2–15M EACH FACE	10M @ 200 o/c	–

NOTES:

1. CONCRETE CONTRACTOR TO HAVE ALL REINFORCING INSPECTED BY VANBOXMEER & STRANGES LTD. AND APPROVED PRIOR TO PLACING CONCRETE.
2. SUPPLY 30 MPa CONCRETE WITH 75 SLUMP ± 25, AIR ENTRAINED 6% ± 1%. REINFORCING STEEL YIELD TO BE 400 MPa
3. PROVIDE 35M SPACER BARS BETWEEN BAR LAYERS AT 1200 o/c AT BEAMS WHERE THERE IS MORE THAN ONE LAYER OF TOP OR BOTTOM STEEL.
4. LAP TOP BARS AT MID SPAN OF BEAMS WITH A CLASS 'B' LAP
5. LAP BOTTOM BARS AT SUPPORTS WITH A CLASS 'B' LAP
6. REFER TO TYPICAL DETAIL 3.19 FOR CONTINUOUS BEAM REINFORCING DETAIL.

   HOOK ALL TOP BARS AT ENDS OF ALL BEAM LINES
7. PLACE 2–10M BARS EACH SIDE OF CAISSON, TYPICAL



T1 = TOP UPPER MOST LAYER B1 = BOTTOM LOWER MOST LAYER

T2 = TOP SECOND LAYER B2 = BOTTOM UPPER LAYER

NEW WINNIPEG FIRE STATION, NO. 27 PROJECT

WINNIPEG, MANITOBA

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