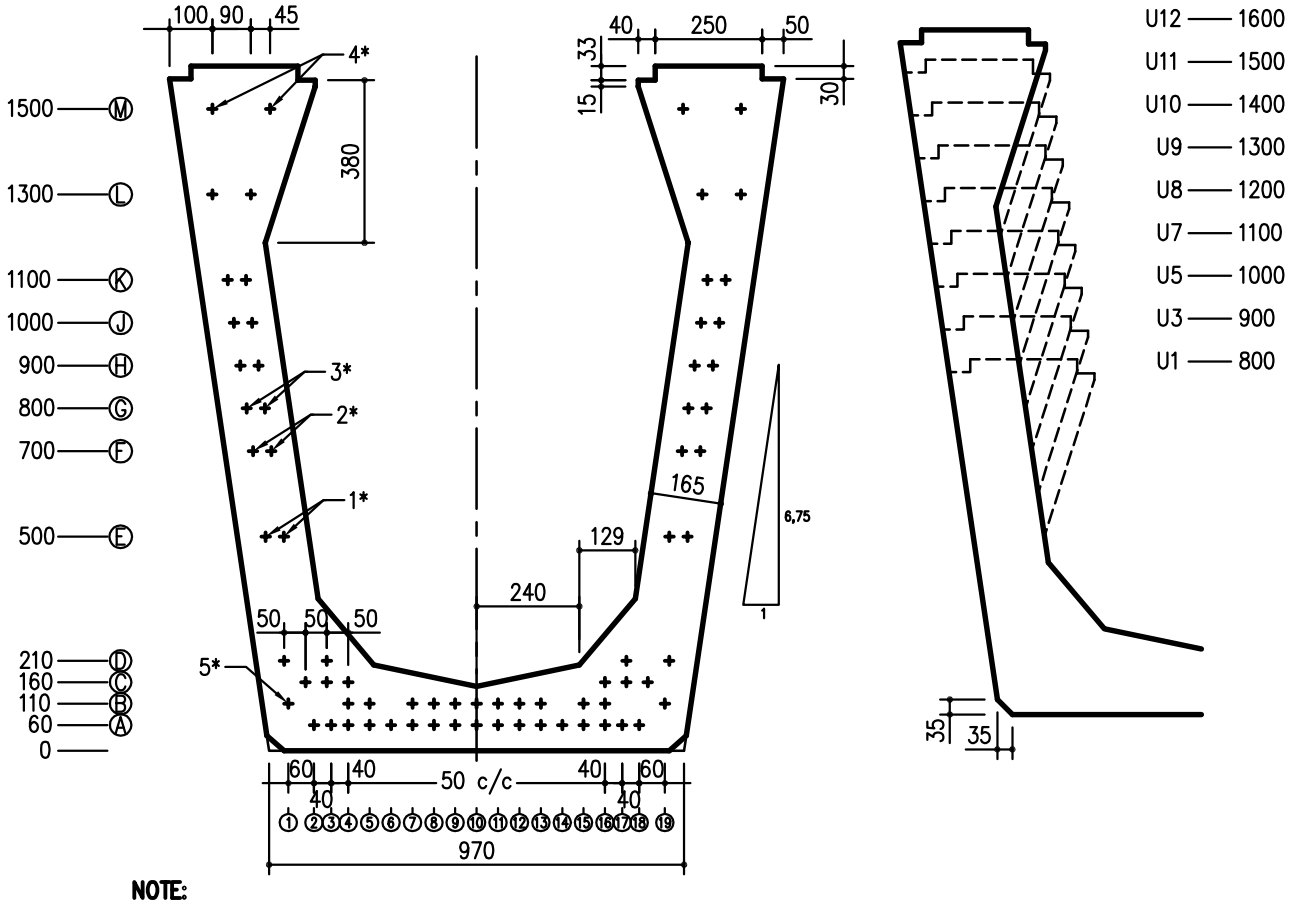
U BEAM



NOTE:
IN ORDER TO ENSURE STABILITY OF REINFORCEMENT DURING CONCRETING IT IS DESIRABLE TO HAVE STRANDS IN THESE POSITIONS AS FOLLOWS;
U1 TO U4 1*, U5 TO U8 2*, U9 TO U12 3*
ALSO THE TOP TWO STRANDS IN ALL BEAMS 4* AND IN BOTTOM 5*

U Beam

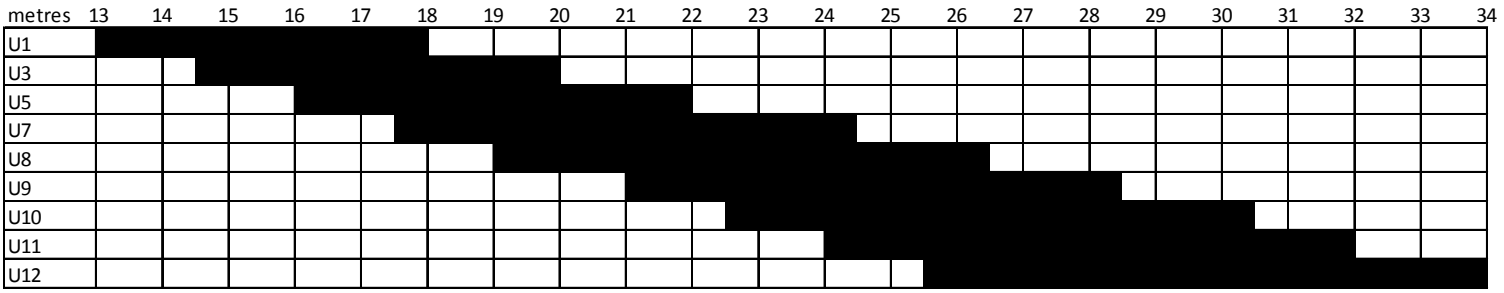
Section properties

Design self weight per unit volume has been taken as 25kN/m³

Section No	Depth (mm)	Area (mm)²	Yb (mm)	Zt (mm³ x 10⁶)	Zb (mm³ x 10⁶)	App self weight KN/m
U1	800	476970	356.5	68.9	85.71	11.93
U3	900	510493	403	85.84	105.81	12.77
U5	1000	544016	450	104.18	127.28	13.76
U7	1100	577539	497.5	123.86	150.06	14.44
U8	1200	611062	545	144.86	174.04	15.28
U9	1300	644584	593	167.08	199.27	16.12
U10	1400	678107	641	190.57	255.65	16.96
U11	1500	711630	689	215.27	253.18	17.79
U12	1600	745153	737.7	241.16	281.9	18.63

SPAN LOADING

TMH7 Part 2 NA + NB LOADING



Typical spacing = 1.5m to 2.2m c/c