

Technical drawing of a reinforced concrete slab and beam. The top part shows a plan view of a slab with dimensions 10925 mm by 3100 mm. It features a grid of reinforcement bars labeled 7 and 8. Bar 7 is 21 Ø10 co 150, L=11320mm. Bar 8 is 21 Ø10 co 150, L=11220mm. The bottom part shows a cross-section of the slab and beam with dimensions 10800 mm by 250 mm. It also features reinforcement bars labeled 7 and 8. Bar 7 is 21 Ø10 co 150, L=11220mm. Bar 8 is 21 Ø10 co 150, L=11320mm. The drawing includes various dimension lines and callouts for reinforcement details.

The drawing illustrates the reinforcement details for a reinforced concrete structure, likely a wall or foundation. It includes several cross-sections and a detailed elevation of a wall section.

Cross-sections and Reinforcement Details:

- Section 1:** A trapezoidal cross-section with a top width of 1850 mm, a bottom width of 1844 mm, and a height of 140 mm. It contains 67 $\phi 16$ bars with a spacing of 150 mm ($L=3280$ mm).
- Section 2:** A rectangular cross-section with a width of 2980 mm and a height of 140 mm. It contains 67 $\phi 16$ bars with a spacing of 150 mm ($L=3260$ mm).
- Section 1a:** A trapezoidal cross-section with a top width of 300 mm, a bottom width of 1370 mm, and a height of 200 mm. It contains 4 $\phi 16$ bars with a spacing of 150 mm ($Lsr=2325$ mm).
- Section 2a:** A rectangular cross-section with a width of 730 mm, a bottom width of 2510 mm, and a height of 140 mm. It contains 6 $\phi 16$ bars with a spacing of 150 mm ($Lsr=1900$ mm).
- Section 1b:** A trapezoidal cross-section with a top width of 340 mm, a bottom width of 747 mm, and a height of 200 mm. It contains 1 $\phi 16$ bar with a spacing of 150 mm ($L=1440$ mm).
- Section 1c:** A trapezoidal cross-section with a top width of 140 mm, a bottom width of 730 mm, and a height of 140 mm. It contains 1 $\phi 16$ bar with a spacing of 150 mm ($L=1020$ mm).

Wall Elevation and Reinforcement Details:

- The wall has a total height of 3061 mm and a total width of 3100 mm.
- The wall is divided into three vertical sections: a left section (width 1900 mm), a middle section (width 400 mm), and a right section (width 800 mm).
- The wall contains 72 $\phi 12$ bars with a spacing of 150 mm ($L=790$ mm) in the top section.
- The wall contains 21 $\times 6=126$ $\phi 10$ bars with a spacing of 500 mm ($L=585$ mm) in the middle section.
- The wall contains 72 $\phi 14$ bars with a spacing of 150 mm ($Lsr=3905$ mm) in the bottom section.
- The wall contains 73 $\phi 12$ bars with a spacing of 150 mm ($Lsr=3905$ mm) in the bottom section.

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