

Bar Bender and Fixer Intermediate Trade Test Study Material for Written Test

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This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. The purpose of "general note" is to display the construction specification.
2. "Simplified steel structure drawing" refers to the simplified expression of structure details/specifications.
3. "B1(200 x 600)INV.300" shown on the drawing means breadth of the beam is 200mm.
4. The gradient of "cranked bar" cannot be greater than 1:12.
5. "Concrete Cover" means the shortest distance between the surface of the concrete and the outmost face of steel bar.
6. After the reinforcement is fixed, the worker also needs to place the spacer according to the specifications.
7. Based on requirement shown on drawing, 53D overlap requirement, the lap length of Y40 is 2120mm.
8. The Minifix plastic spacers (plaster wheel) should be placed at the outermost of steel bar.
9. Function of a cover block or spacer is protecting steel bars from corrosion.
10. Function of "main bar" is strengthening ability of components to resist tension and compression.
11. At the same point, high yield steel bar must not be re-bent.
12. Acetylene gas cutting cannot be used to cut steel bars.
13. The material of fixing/securing steel bar is the steel tie wire.
14. Function of "coupler" is connecting steel bars.
15. The best habit of cutting and bending is to use scrap/short material, then use the stock materials and stack the waste properly.
16. The most effective way to store reinforcement is avoiding excessive storage and cover with tarpaulin.

17. Injury by rusty metal or nails may result in tetanus.
18. If the posture of carrying heavy objects is incorrect, your waist is easy to be injured.
19. The motor starter must be installed in the bar bending/cutting machinery.
20. The emergency stop bar must be installed in the stirrup bending machine.

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