



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Metal Worker Intermediate Trade Test Mock Practical Test Paper

此文件關於金屬工工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9232 與工藝測試中心聯絡。

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Enquiries

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Intermediate Trade Test Paper

Post : Metal Worker

Grade : Semi Skilled Worker

Test Content : Complete the following items at designated location :

- (a) Select suitable material, tools & equipment to fabricate a shape frame, grind weld surface flat to work piece (Working Drawing No.1);

- (b) Cut off a piece of galvanized steel sheet 350 x350 x0.8mm thick. Drilling , tapping on sheet & frame, fixing together with bolts (Working Drawing No.1 & No.2).

Duration : 3 Hours

- Notes :
- (1) Candidate shall read the attached test requirements carefully.

 - (2) Candidate will be marked as fail if he does not carry out safety precautions during the test;

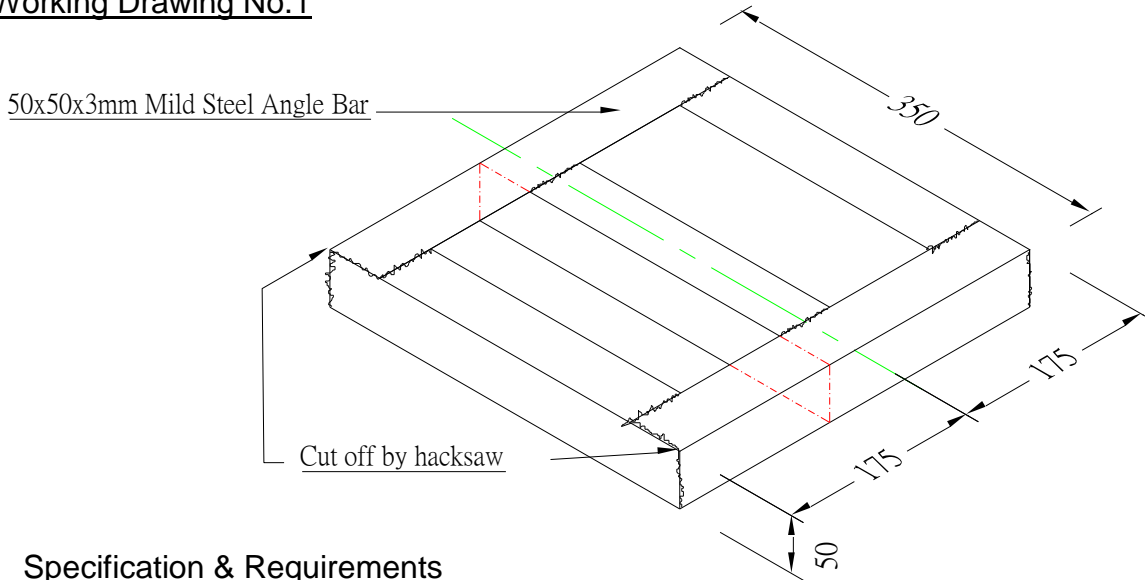
 - (3) There are 4 pages. Total score is 100. Passing mark is 60.

Intermediate Trade Test

Post : Metal Worker

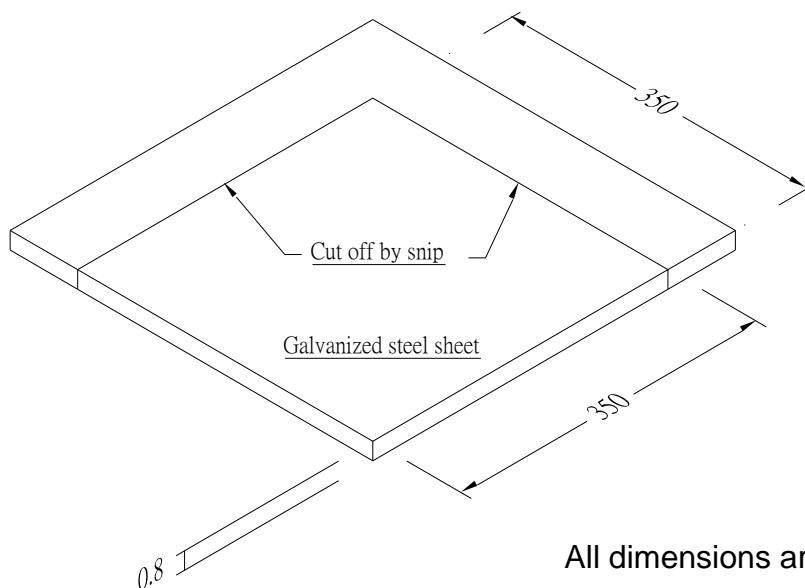
Grade : Semi Skilled Worker

Working Drawing No.1



Specification & Requirements

1. All welds are full weld except inner welds are tack weld of 12mm long c-c.
2. All welds shall be free from defects.
3. Upon completion, remove all slags and spatters.
4. Grind weld surface flat to workpiece.
5. Frame shall be in right angles, $\pm 3\text{mm}$ in 350mm length.
6. The tolerance of frame dimension shall be $\pm 3\text{mm}$.
7. Surface of frame shall be flat, the tolerance of flexura shall be $\leq 3\text{mm}$.



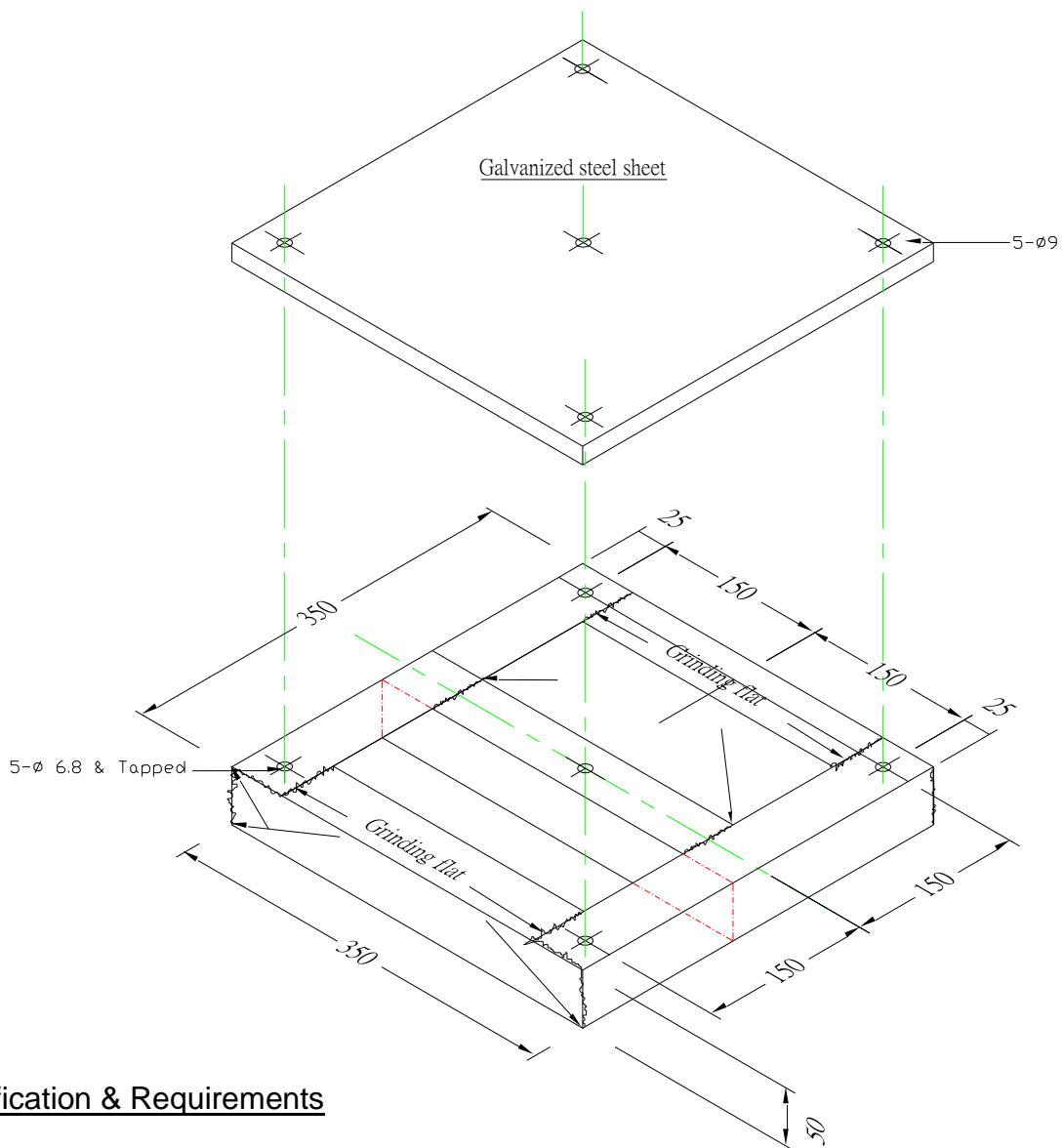
All dimensions are in mm
N.T.S.

Intermediate Trade Test

Post : Metal Worker

Grade : Semi Skilled Worker

Working Drawing No.2



Specification & Requirements

1. The tolerance of holes centre to centre $\pm 3\text{mm}$.
2. Fix tightly frame and sheet together with five bolts.
3. Edge of frame and sheet shall be $\pm 2\text{mm}$.

All dimensions are in mm
N.T.S.

Notes to Candidates :

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to test papers, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
10. The marking scheme is based on the following criteria :
 - a) Understanding of drawing and specification

- b) Preparation works before commencement of test
- c) Working procedures
- d) Accuracy and quality of works
- e) Progress of works
- f) Proper handling and use of materials
- g) Proper use of tools and equipment
- h) Safety precautions
- i) Considerate of other trades
- h) Housekeeping after completion of test

11. All candidates must stop when time is up.
12. Candidates are required to return the test paper to invigilator after the test.
13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed