



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Leveller Skilled Trade Test Mock Practical Test Paper

此文件關於批盪大工工藝測試考題。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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Trade Test Paper

Trade : Leveller

Grade : Skilled Worker

Test Contents : Complete the following tasks at the designated location:

1. Setting out 65 marks

(Include setting out cross line, reference line, marking and writing of descriptions)

- a) 35 floor slab (35/F) has completed concreting works. Please set out according to “Drawing 1”(P.4/9)

Note : All elements on “Drawing 1” (P.4/9) should be set out. “Drawing 2” (P.5/9) and “Drawing 3” (P.6/9) are for reference showing dimensions only. Please note that the theodolite cannot be used for this task.

- b) Setting out of the elements on the wall according to “Drawing 4” (P.7/9) which includes landings, upper fight stair, lower fight stair, beams and abutment. The level line of 25.850 is provided as the level datum.

Note : Setting out all treads and risers of the stairs. Only two steps of tread and riser shall be marked at both ends of staircase.

2. Use of Instrument 35 marks

- i) There are five survey nails established on floor to form a pentagon. Please make use of theodolite to survey the internal angles in “Face left” and “Face right”. The record sheet

“Form 1” (P.8/9) should be filled and work out internal angles in degree · minute · second (° ‘ ”).

- ii) Make use of theodolite to set up perpendicular line (90°) on a designated line. The length of the line is around 2-3m.
Note : Use of “method of 3,4,5”, Pythagoras Theorem or tape for setting out and checking is not allowed.

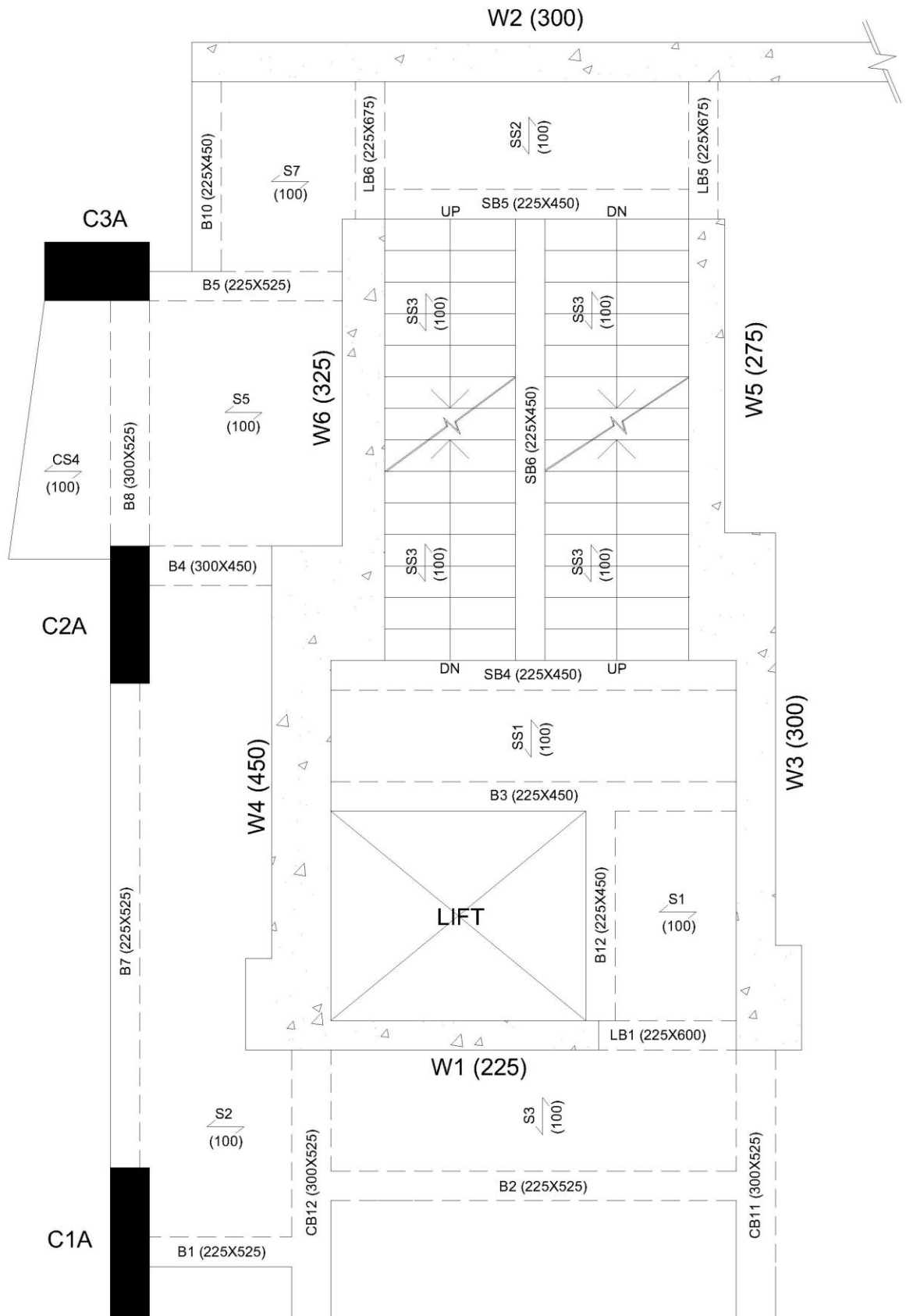
- iii) In the test workshop, there are 8 nos. level points named P1 to P8. Provided the Reduced Level of P1 to be 10.000 , make use of level and staff to survey the Reduced Levels of P2 to P8. The record sheet “Form 2” (P.9/9) should be filled and work out the Reduced Level of those points.
Note : The survey is continual surveying. Base plate should be used for turning points. P8 shall be the final point.

- iv) A yellow triangle mark painted on the wall. Please use a Level to set out a level line which should be same high with the top of yellow triangle mark.
Note : Spirit level is not allowed in this task.

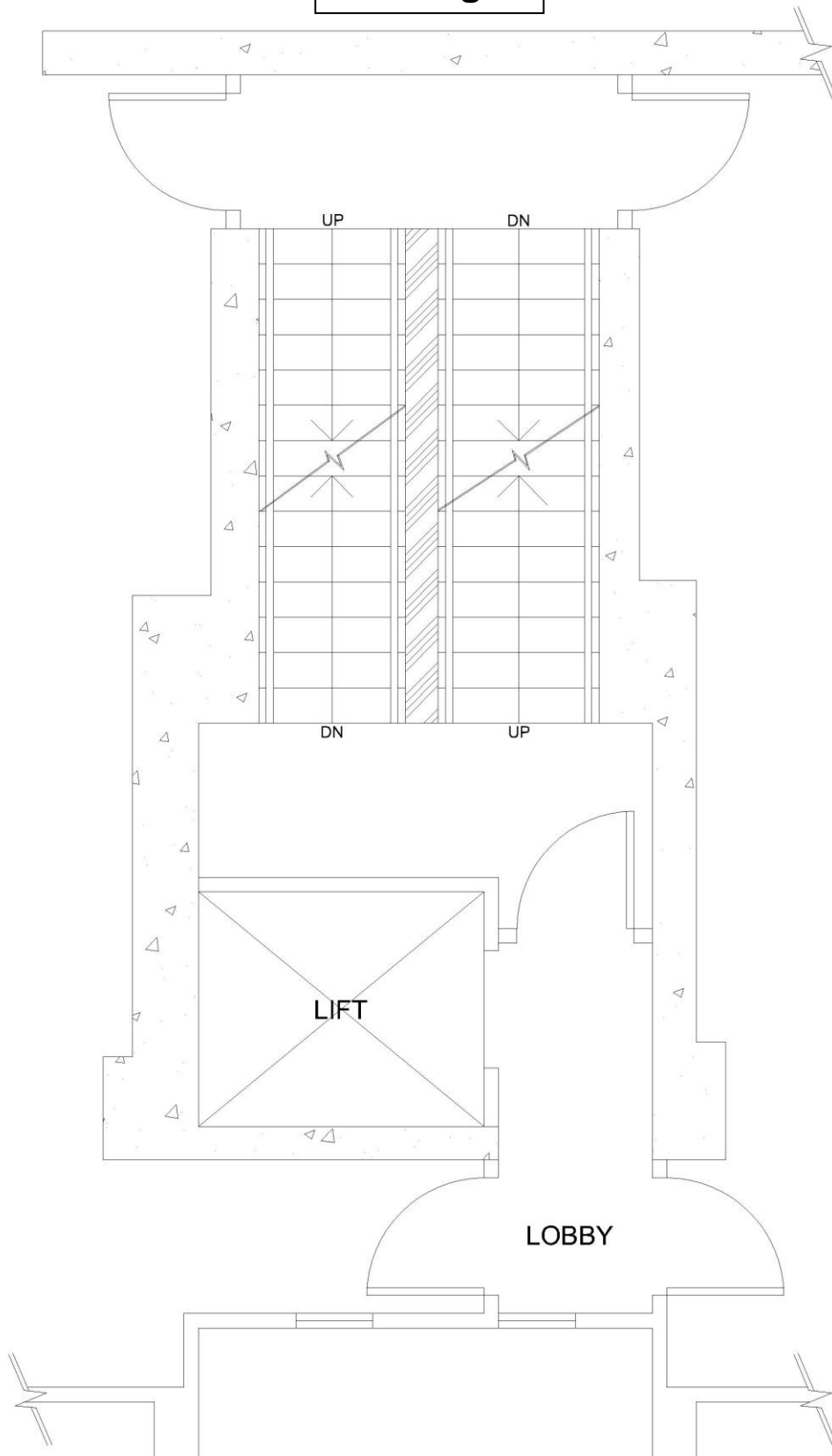
Duration : 6 hours (excluding lunch time)

- Notes :
- (1) Candidate should read the attached “Notes to Candidate” before commencement of work.
 - (2) Candidate will be marked as fail if he/she does not carry out safety precautions during the test.
 - (3) The test paper consists of 9 pages. Total mark is 100. Passing mark is 60.

Drawing 1

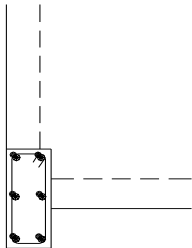
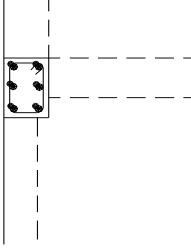
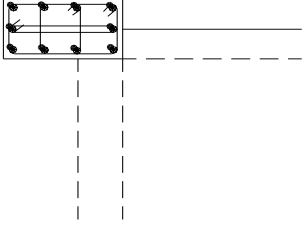
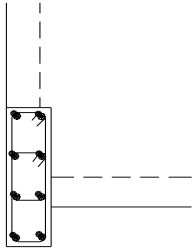
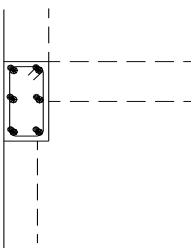
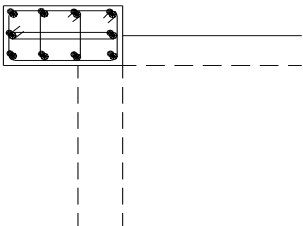
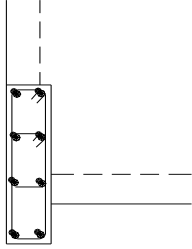
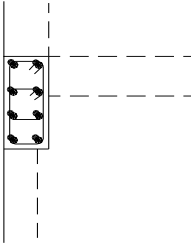
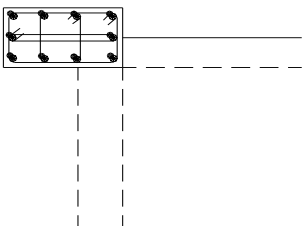
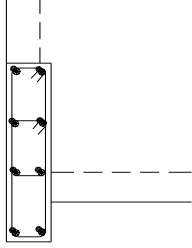
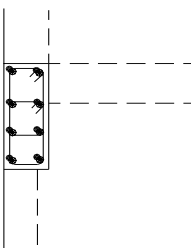
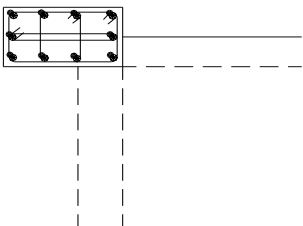


Drawing 2



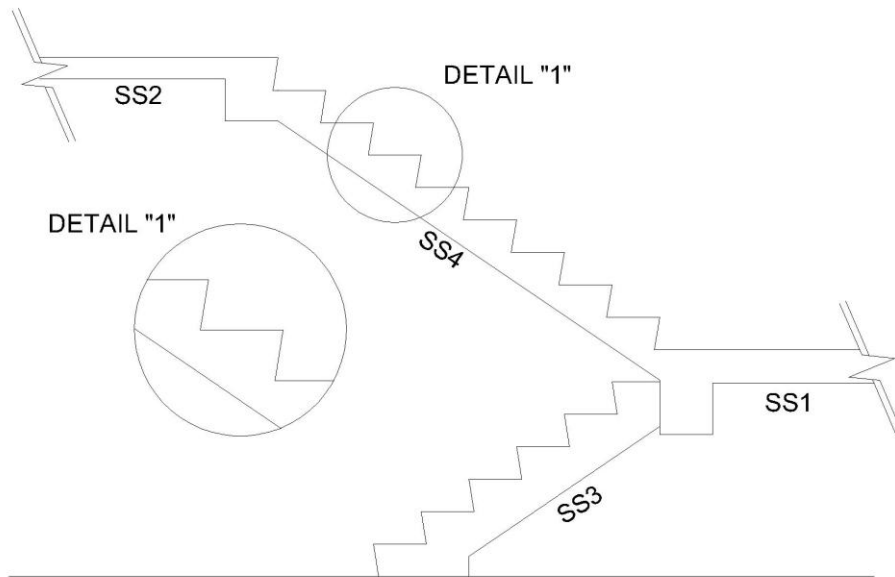
PART PLAN OF 35TH FLOOR
(SCALE : N.T.S.)

Drawing 3

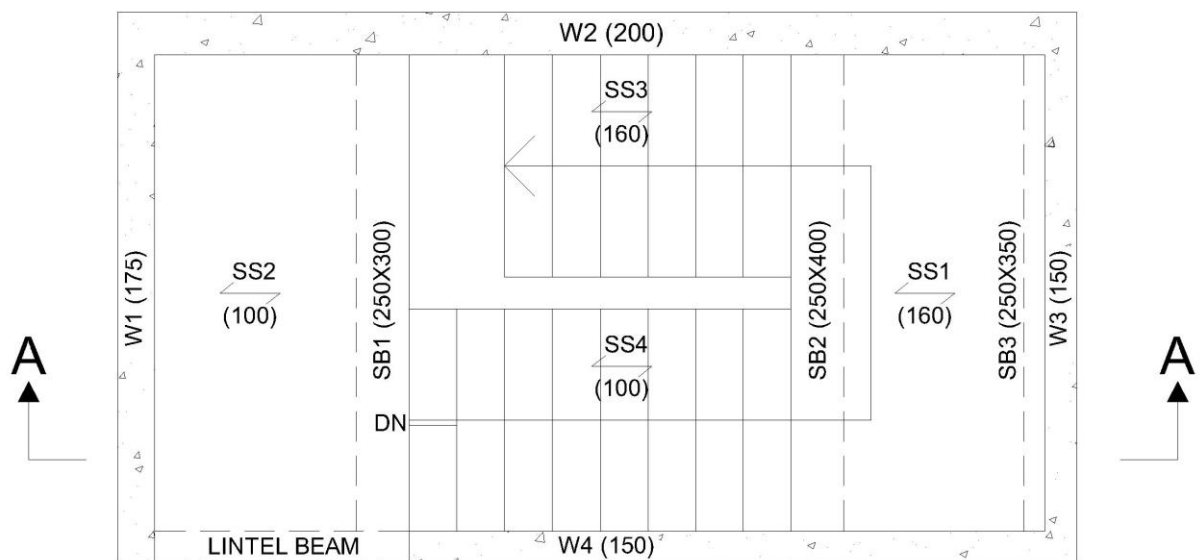
TYPE	C1 (C1A)	C2 (C2A)	C3 (C3A)
45/F TO 40/F			
SIZE	300X1055	300X750	800X450
VERT.BAR	6Y25	6Y25	10Y25
BINDER	R10@300c/c	R10@300c/c	R10@300c/c
40/F TO 35/F			
SIZE	300X1455	300X1100	800X450
VERT.BAR	8Y25	6Y25	10Y25
BINDER	R10@300c/c	R10@300c/c	R10@300c/c
35/F TO 30/F			
SIZE	300X1755	300X1200	800X450
VERT.BAR	8Y25	8Y25	10Y25
BINDER	R10@300c/c	R10@300c/c	R10@300c/c
30/F TO 25/F			
SIZE	300X1855	300X1300	800X450
VERT.BAR	8Y25	8Y25	10Y25
BINDER	R10@300c/c	R10@300c/c	R10@300c/c

COLUMN SCHEDULE (SCALE : N.T.S.)

Drawing 4



SEC. "A-A"



PLAN (SCALE : N.T.S.)

FORM 1 : THEODOLITE HORIZONTAL ANGLE SURVEYING RECORD SHEET

Instrument At	To Station	Face left	Face right	Mean	Included Angle	Remarks

REMARKS : All answers must be filled in the "INCLUDED ANGLE" column, otherwise regarded as data only.

FORM 2 : LEVEL SURVEYING RECORD SHEET

[illegible]

REMARKS : All answers must be filled in the “REDUCED LEVEL” column, otherwise regarded as data only.

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.

<p>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</p>
