



**Test  
projects**

# PLASTERING AND DRYWALL SYSTEMS

- Test projects A, B, C
- Drawings
- Description
- Assessment procedures



**CYPRUS**



Erasmus+

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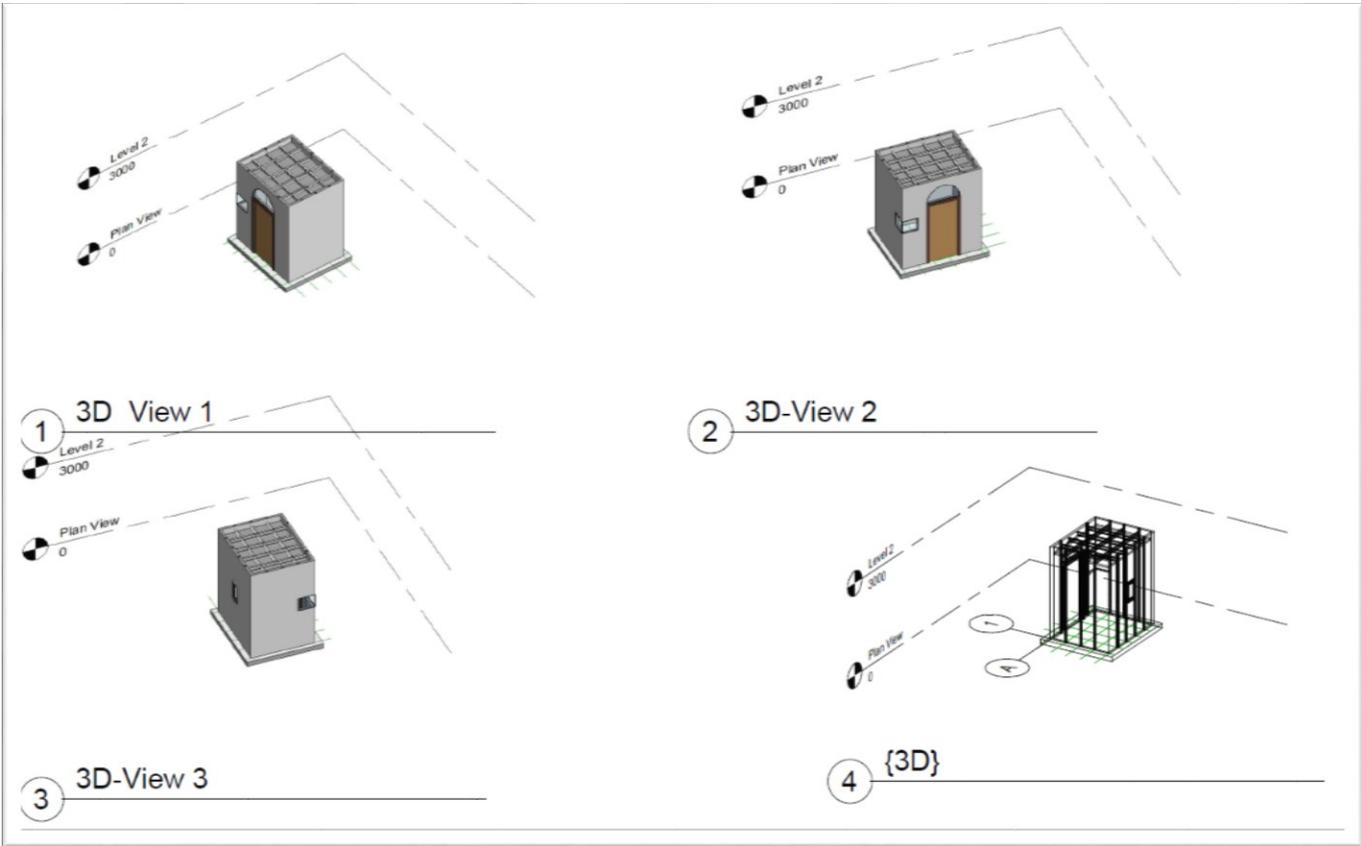
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# TEST PROJECT A



## INTRODUCTION

- In order to conform to the Technical Description, the Project is modular and consists of four modules. Each module is assessed separately which means that a mistake on one module doesn't result in a loss of points in another module.
- The Project is given to Competitor on Familiarization Day for 3 hours then taken away, The Expert and the Translator can work with the Competitor for the first hour only.
- In these three hours the Competitor will produce a list of all components and materials they require to complete the build and finish the Test Project. This will be part of the Test Project assessment.
- Any notes to be produced on paper must remain "on stand".
- At the end of each day the space should be cleaned. The cleaning must take place during the competition time.

## DESCRIPTION OF PROJECT AND TASKS

Preparatory Day:

### Material List

Review the drawings and prepare a list of materials for the build of the structure.

| Material Name                     | Pieces    |
|-----------------------------------|-----------|
| 1. Standard Plasterboard (Grey)   | .....pcs. |
| 3. Hydro Plasterboard (Green)     | .....pcs. |
| 4. Fireproof Plasterboard (White) | .....pcs. |
| 5. 75mm/3m UW C chanel            | .....pcs. |
| 6. 75mm/3m CW C studs             | .....pcs. |
| 7. Corner bead                    | .....pcs. |

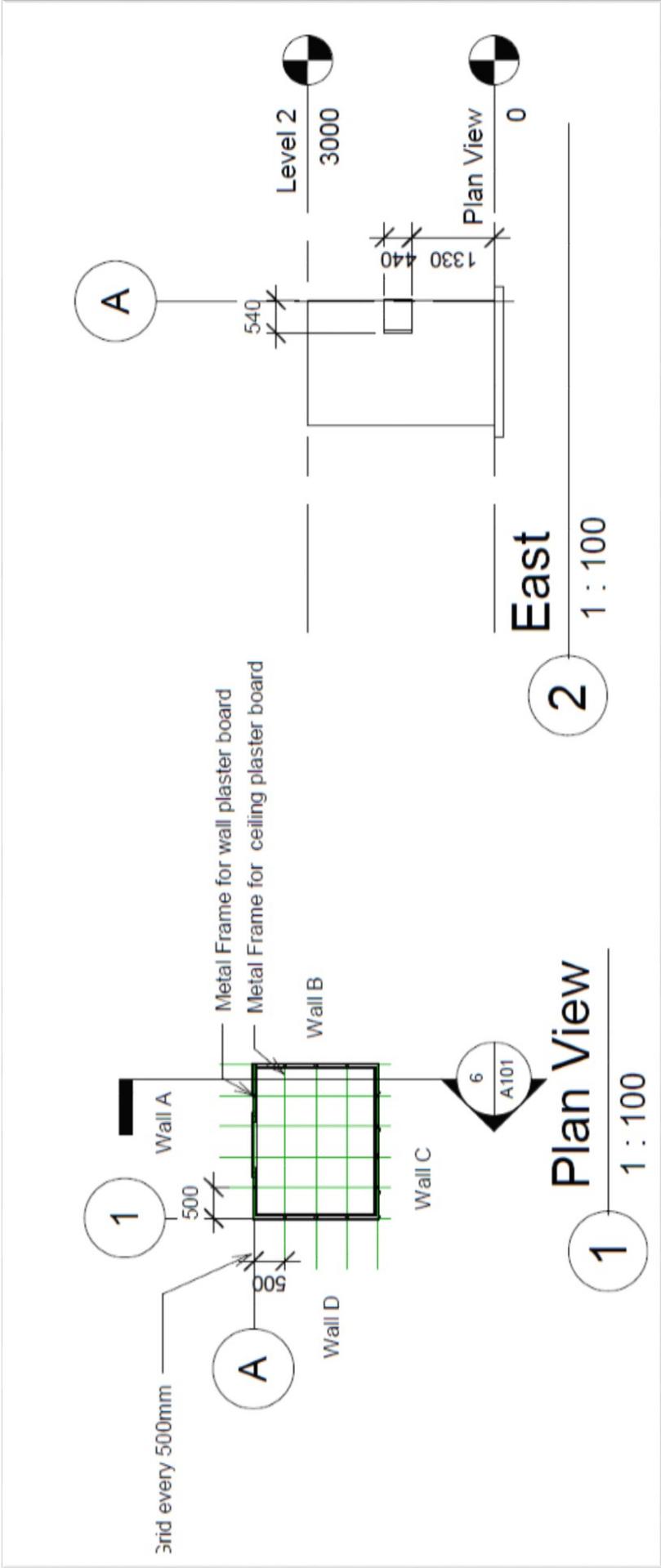
# MODULE 1

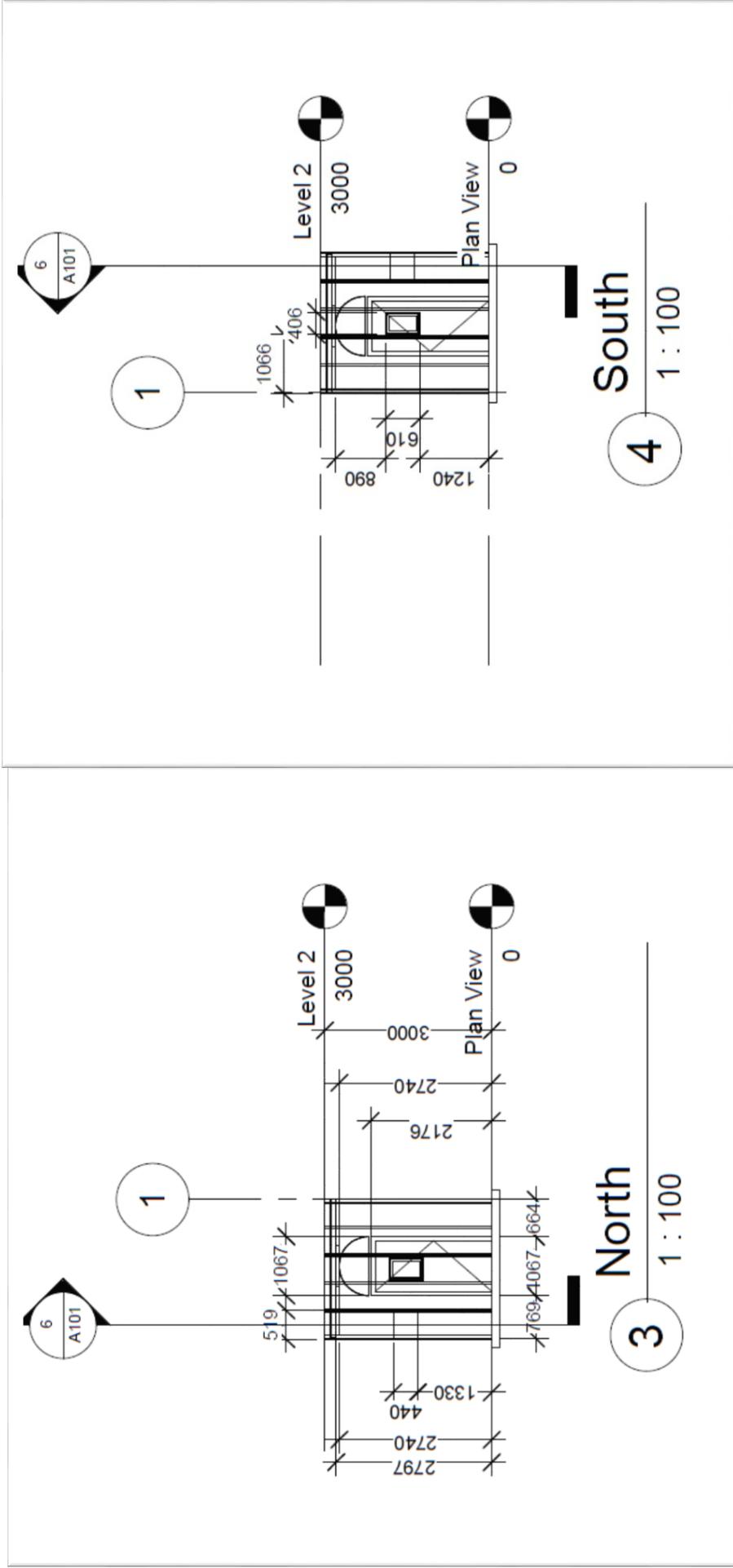
Day: 1

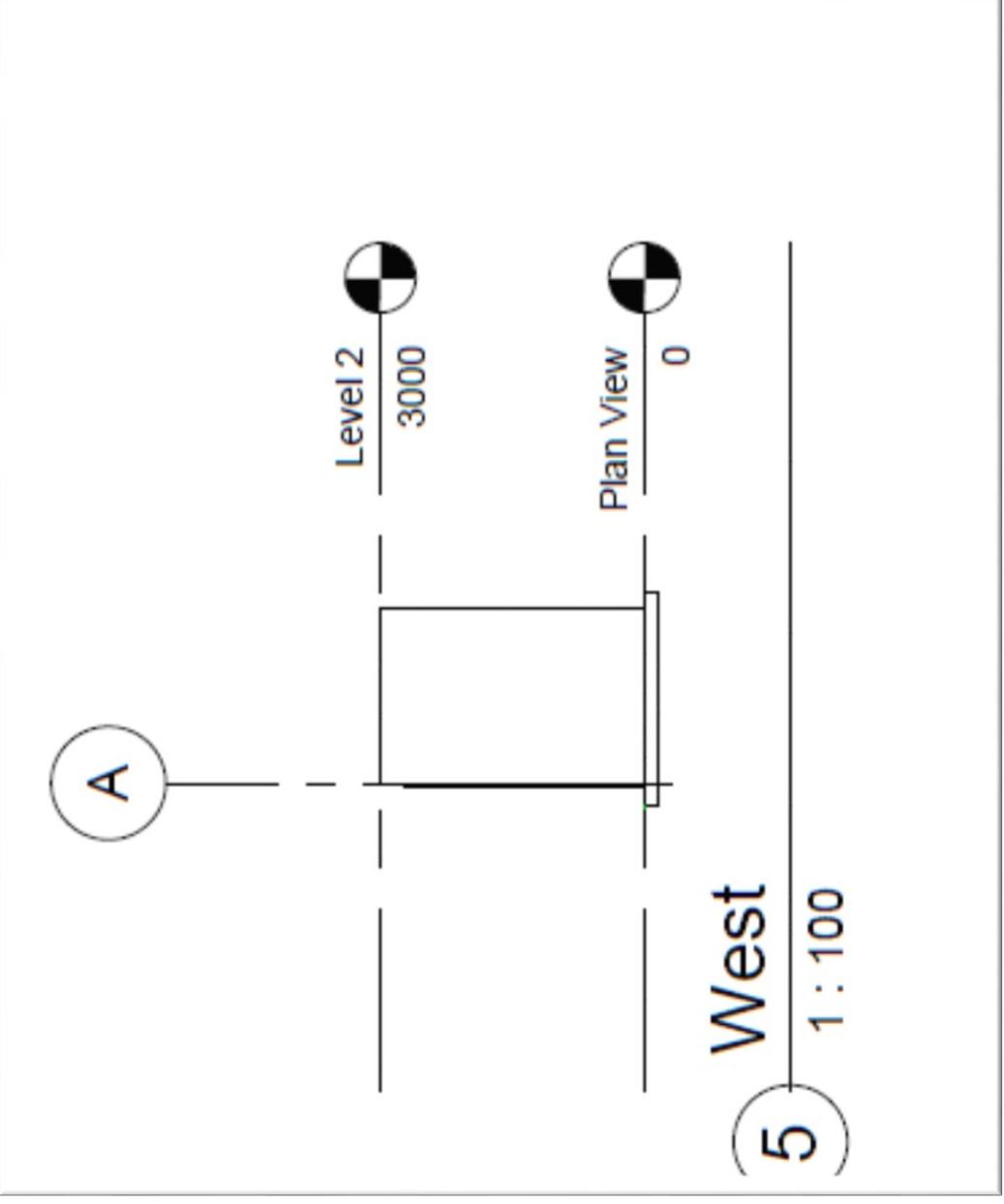
Time allowed: 6:00

## Instructions for Module 1

- This module is the first of 3 Modules.
- **Module 1** consists of building walls in plasterboard on a metal frame with Openings, embrasures, windows and a door. There is a ceiling inside the construction. **Note that the ceiling will be constructed in Module 2 (DAY 2) of the Test Project.**
- The dimensions are that of the plasterboards. Dimensions will be assessed before the application of the finish.
- The squareness and plumbness will be assessed before the application of the finish.
- Unlike an actual building site where the plasterboards are raised up from the floor to avoid capillary action, the plasterboards will be set on the floor for the better stability of the Project and can be fixed with screws in the C channel.
- Technically we request:
  - A maximum of 250mm spacing between the screws on walls
  - Steel studs must be set upright and plumbed with a 500 mm space in between
  - Steel studs must be fixed to the lower and the upper steel channel
  - The top and of the structure is covered with plasterboard, all dimensions reflect this plasterboard
  - The first skin of plasterboard should be jointed.
  - The Plasterboards can only be fixed in vertical way
  - For the East and West View, you must use Standard Plasterboard
  - For North and South View, you must use Hydro and Fireproof Plasterboard respectively
  - Outside Corners covered with corner bead
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.







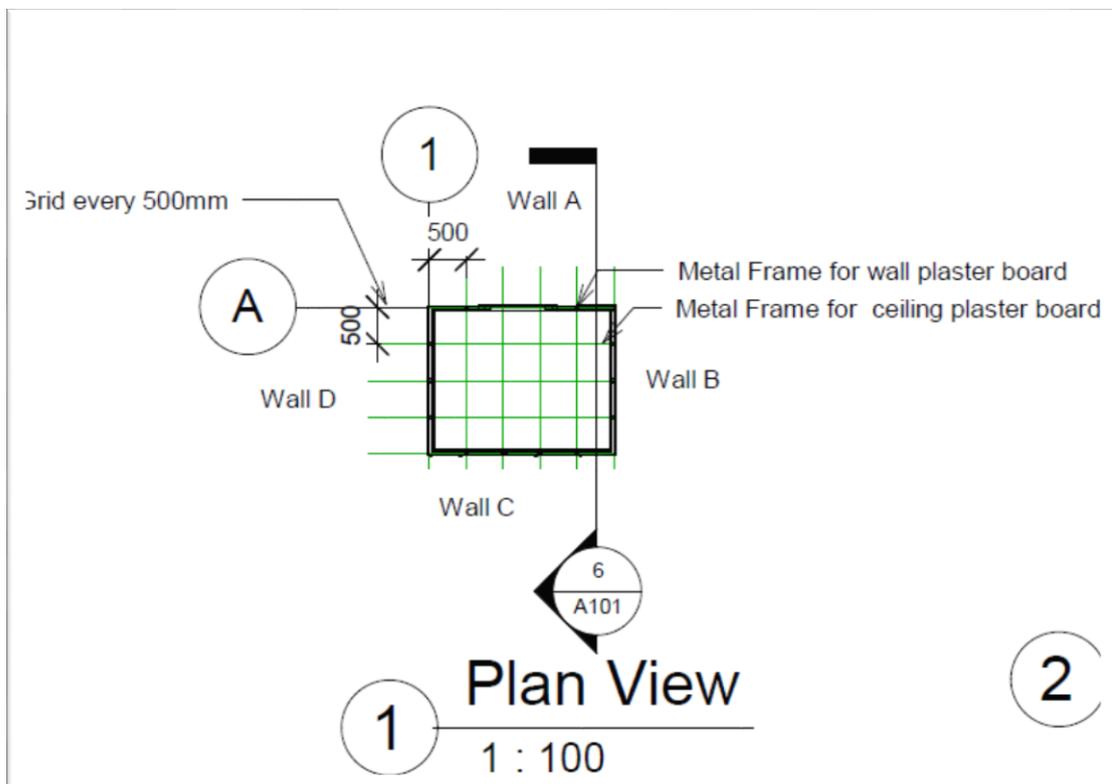
## MODULE 2

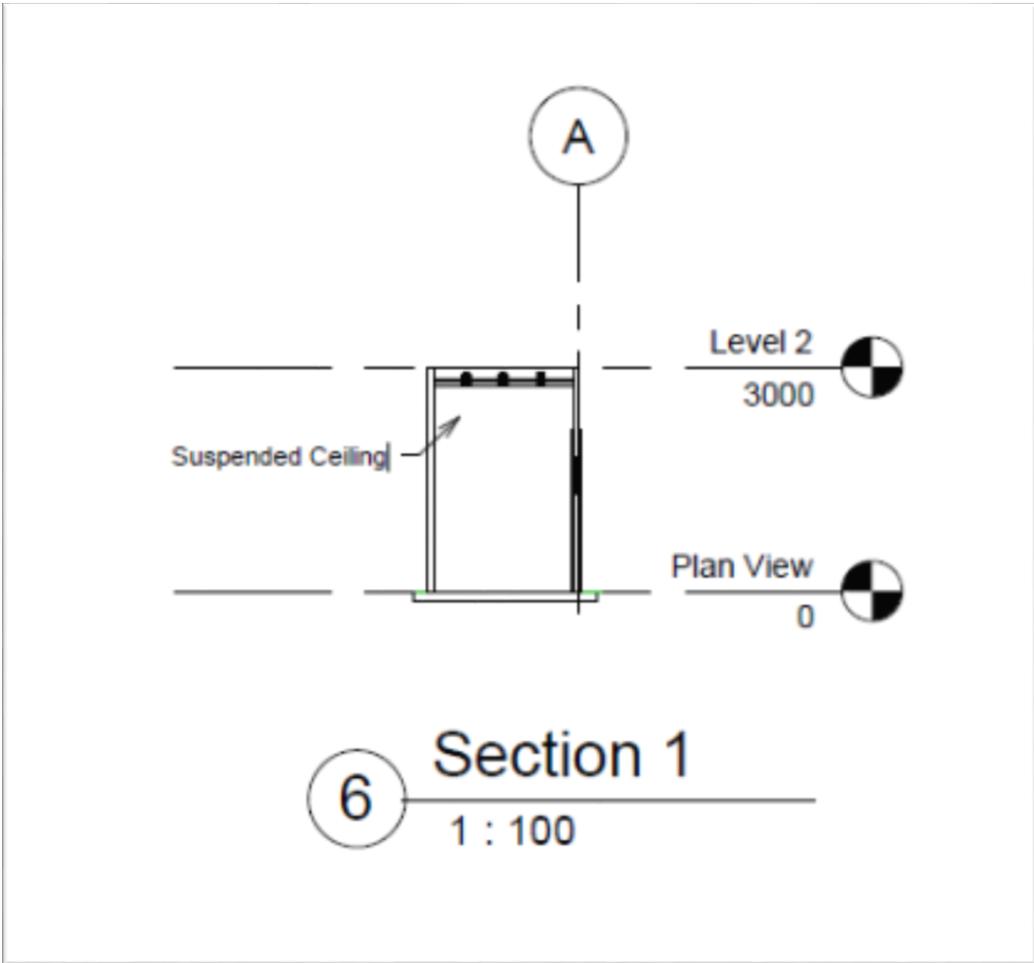
Day: 2

Time allowed: 4 Hours

### Instructions for Module 2

- This module refers to the construction of the ceiling with a CD profile.
- The ceiling is NOT connected to the finished walls.
- A maximum of 170mm spacing between the screws on ceiling
- No need to tape and coat
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.





## **MODULE 3**

**Day: 3**

**Time allowed: 4 Hours**

### **Instructions for Module 3**

- The surface of all 4 sides should be taped and covered with skim coat.
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.
-

## **EQUIPMENT LIST**

**Materials will be provided as per the List prepared in the Preparation Day**

**The following tools will be provided on construction site:**

### **Handheld Tools**

- Metal stand guillotine, metal scissors
- Screwdriver
- Retractable knife
- Jig saw, special saws,
- Abrasive paper
- Corner planner
- Perforator saw
- Special saw for plasterboard
- Abrasive grid
- Plastering spatulas
- Trowel

### **Drywall electrical tools:**

- Screwdriver
- Hammer driver drill

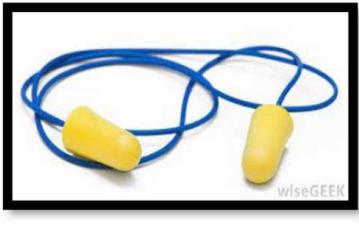
### **Measurement tools**

- Marker
- Folding rulers
- Measuring tape
- Tin spins
- Spirit level
- Chalk lines
- Angle finder

### **Ladder**

## HEALTH AND SAFETY GUIDELINES

All participants should be equipped with the following:

|   |   |   |
|---|---|---|
|  |  |  |
| High Visibility Jacket  | Safety helmet   | Safety Shoes  |
|  |  |  |
| Safety Goggles  | Hand Gloves   | Ear Plugs   |

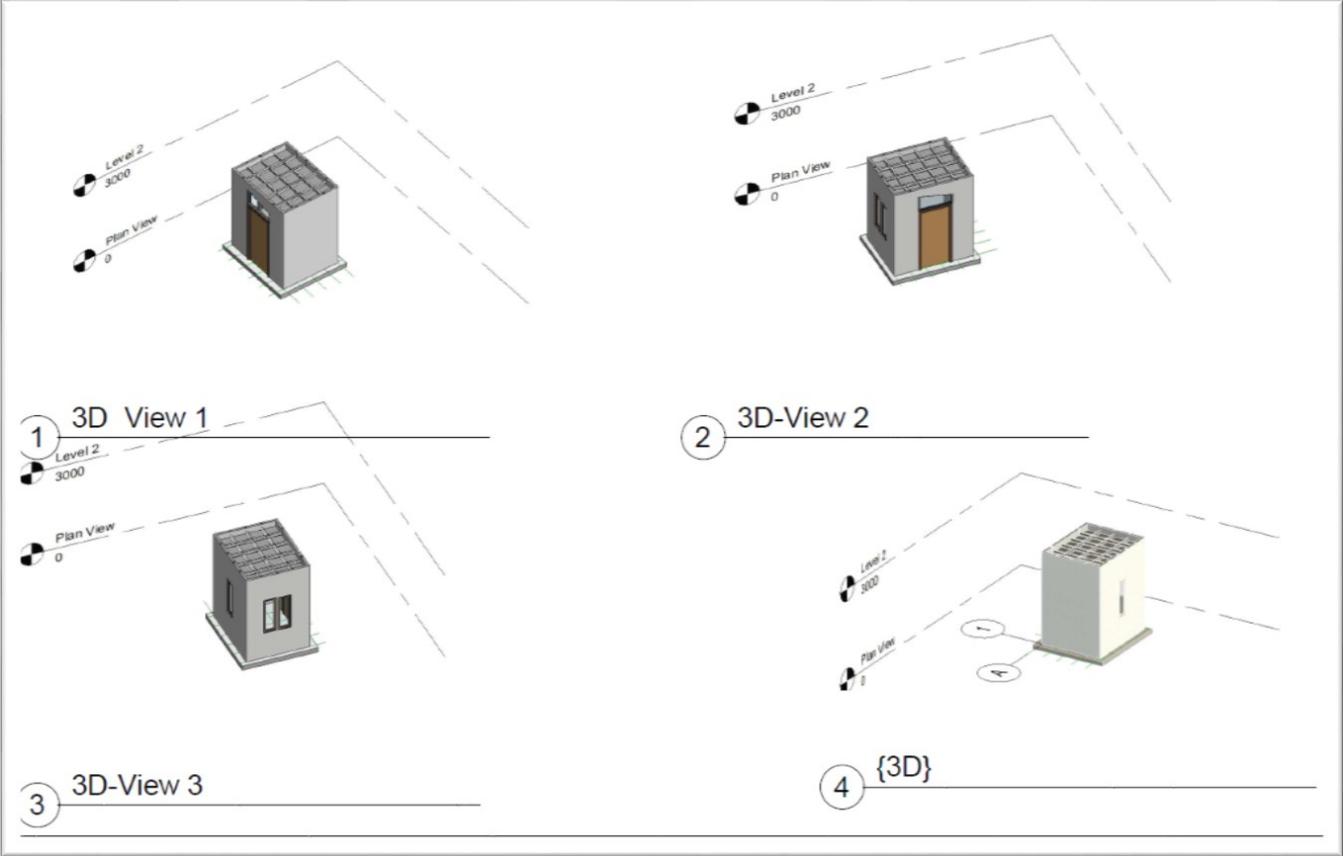
### More Safety Guidelines

- Check for hazards at workplace and surrounding and notify the supervisor immediately
- Always inspect the machine before starting to work. Ensure that all the protection guards are in place.
- Turn the motor off during cleaning and while carrying out adjustments of the machine and in emergency.
- When operating the machine, keep your hands at a safe distance
- Concentrate on work and do not talk with others while working
- Ensure regular cleaning of workplace

## ASSESSMENT PROCEDURES

| Module             | Criteria                 | Criteria   | Points     |         | Comments   |
|--------------------|--------------------------|--|------------|---------|------------|
|                    |                          |  | Max        | Awarded |            |
| 1                  | Drywall Construction     | Dimensions of East side as per drawings and Plasterboard type as per instructions  | 5          |         |            |
|                    |                          | Dimensions of West side as per drawings and Plasterboard type as per instructions  | 5          |         |            |
|                    |                          | Dimensions of North side as per drawings and Plasterboard type as per instructions | 5          |         |            |
|                    |                          | Dimensions of South side as per drawings and Plasterboard type as per instructions | 5          |         |            |
|                    |                          | Position and Dimension of Corner Window  | 10         |         |            |
|                    |                          | Position and Dimension of Curved Door  | 10         |         |            |
|                    |                          | Position and Dimension of Window   | 10         |         |            |
|                    |                          | Steel Stubs spacing as per instructions  | 10         |         |            |
|                    |                          | Screws Spacing as per instructions   | 10         |         |            |
|                    |                          | Right angles from floor  | 10         |         |            |
|                    |                          | Alignment of Plasterboards   | 10         |         |            |
|                    |                          | Tidiness of site at the end of Day 1   | 10         |         |            |
|                    |                          | Outside Corners covered with corner bead   | 20         |         |            |
|                    |                          | <b>TOTAL</b>   |            |         | <b>120</b> |
| 2                  | Ceiling Construction and | Spacing of CD Profiles as per instructions   | 10         |         |            |
|                    |                          | Alignment of Plasterboards   | 10         |         |            |
|                    |                          | Dimension of Ceiling   | 5          |         |            |
|                    |                          | Screws Spacing as per instructions   | 10         |         |            |
|                    |                          | Tidiness of site at the end of Day 2   | 5          |         |            |
| <b>TOTAL</b>       |                          |  | <b>40</b>  |         |            |
| 3                  | Tapping and Coating      | Jointing   | 10         |         |            |
|                    |                          | Plastering   | 15         |         |            |
|                    |                          | Overall Aesthetics   | 10         |         |            |
|                    |                          | Tidiness of site at the end of Day 2   | 5          |         |            |
| <b>TOTAL</b>       |                          |  | <b>40</b>  |         |            |
| <b>GRAND TOTAL</b> |                          |  | <b>200</b> |         |            |

# TEST PROJECT B



## INTRODUCTION

- In order to conform to the Technical Description, the Project is modular and consists of three modules. Each module is assessed separately which means that a mistake on one module doesn't result in a loss of points in another module.
- The Project is given to Competitor on Familiarization Day for 3 hours then taken away, The Expert and the Translator can work with the Competitor for the first hour only.
- In these three hours the Competitor will produce a list of all components and materials they require to complete the build and finish the Test Project. This will be part of the Test Project assessment.
- Any notes to be produced on paper must remain "on stand".
- At the end of each day the space should be cleaned. The cleaning must take place during the competition time.

## DESCRIPTION OF PROJECT AND TASKS

Preparatory Day:

### Material List

Review the drawings and prepare a list of materials for the build of the structure.

| Material Name                   | Pieces    |
|---------------------------------|-----------|
| 1. Standard Plasterboard (Grey) | .....pcs. |
| 2. 75mm/3m UW C chanel          | .....pcs. |
| 3. 75mm/3m CW C studs           | .....pcs. |
| 4. Insulation                   | .....pcs. |

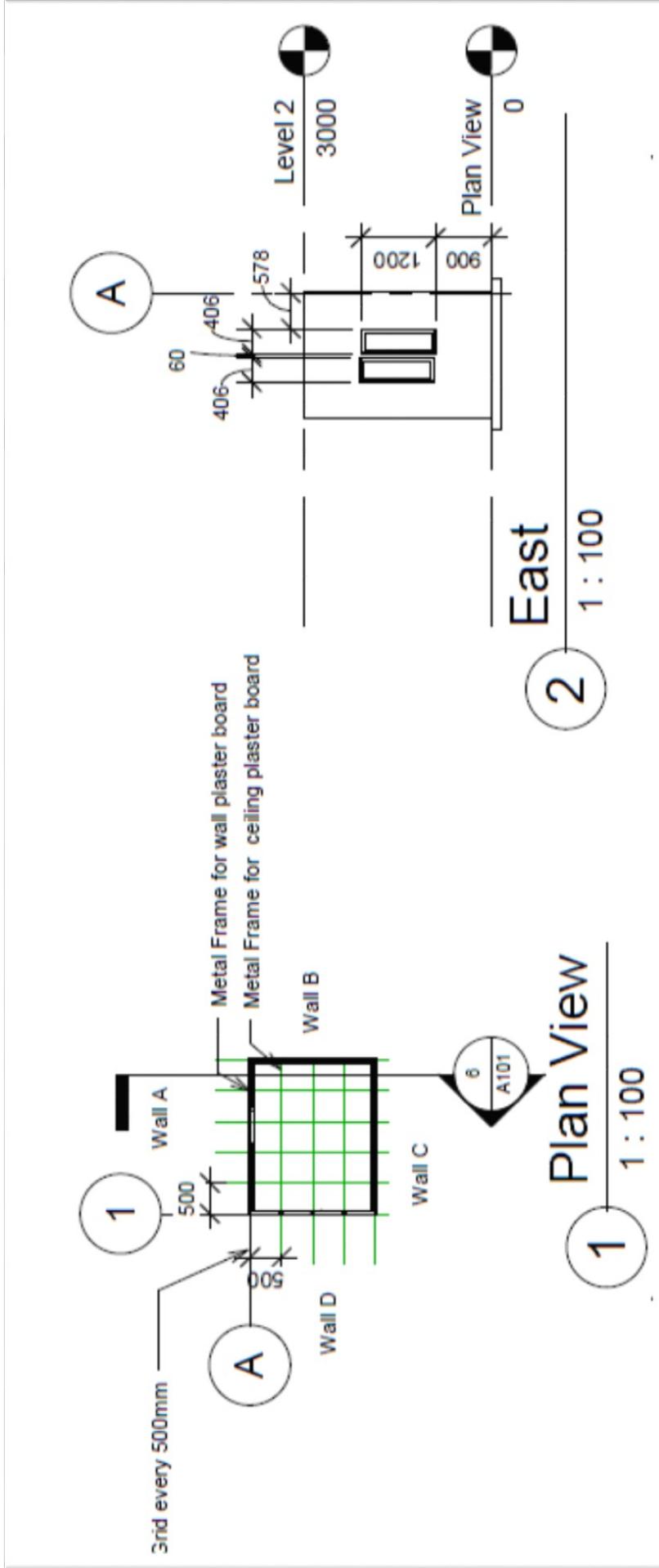
# MODULE 1

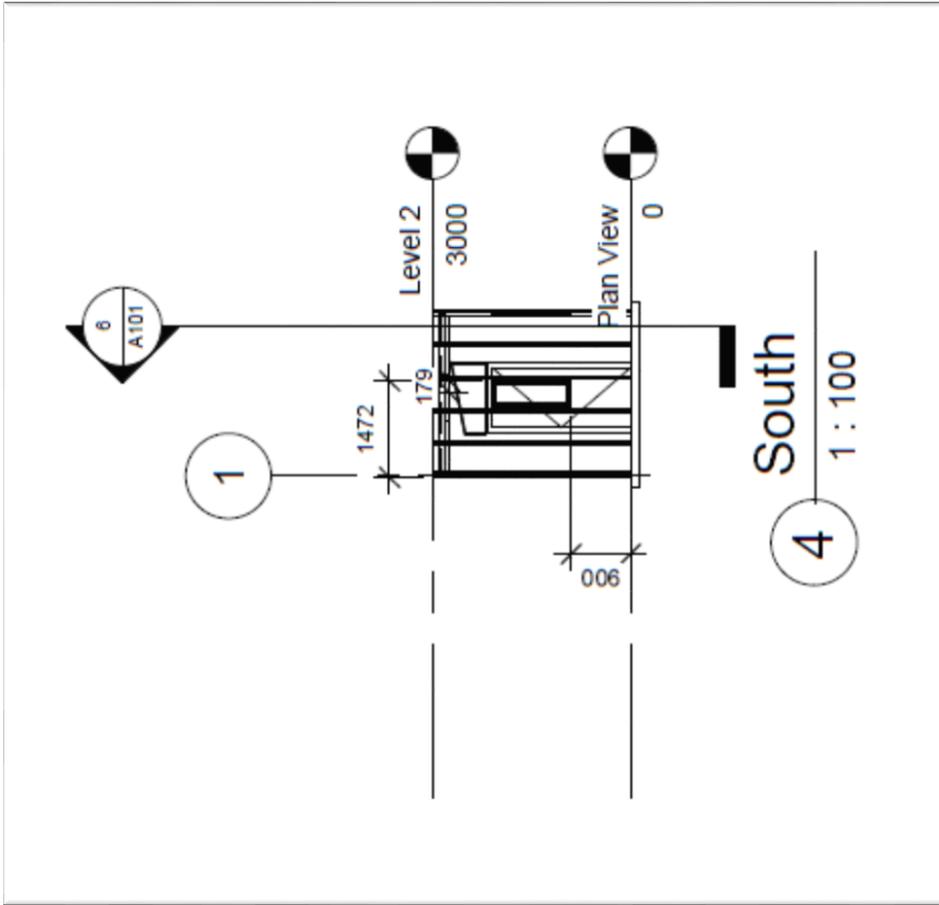
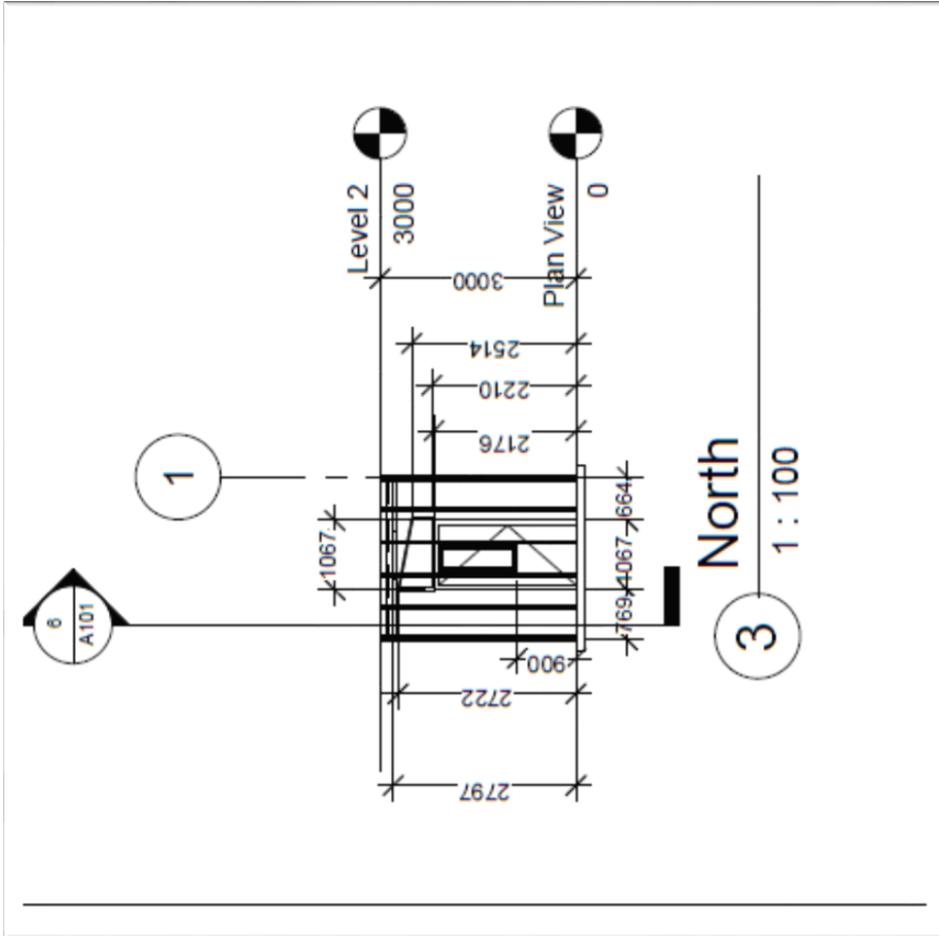
Day: 1

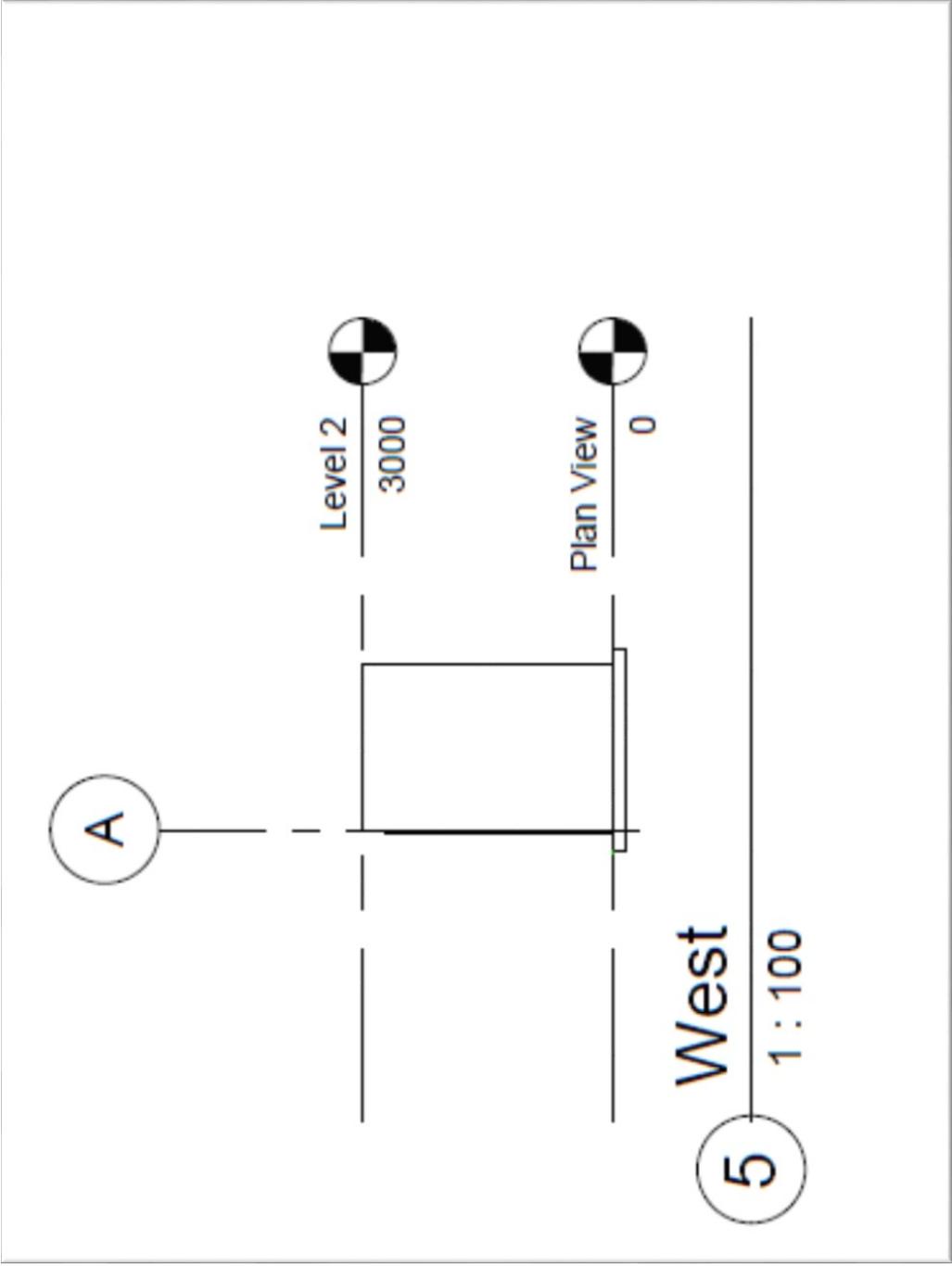
Time allowed: 6:00

## Instructions for Module 1

- This module is the first of 3 Modules.
- **Module 1** consists of building walls in plasterboard on a metal frame with Openings, embrasures, windows and a door. There is a ceiling inside the construction. **Note that the ceiling will be constructed in Module 2 (DAY 2) of the Test Project.**
- The dimensions are that of the plasterboards. Dimensions will be assessed before the application of the finish.
- The squareness and plumbness will be assessed before the application of the finish.
- Unlike an actual building site where the plasterboards are raised up from the floor to avoid capillary action, the plasterboards will be set on the floor for the better stability of the Project and can be fixed with screws in the C channel.
- Technically we request:
  - A maximum of 250mm spacing between the screws on walls
  - Steel studs must be set upright and plumbed with a 500 mm space in between
  - Steel studs must be fixed to the lower and the upper steel channel
  - The top and of the structure is covered with plasterboard, all dimensions reflect this plasterboard
  - The first skin of plasterboard should be jointed.
  - The Plasterboards can only be fixed in vertical way
  - All walls should be built with Standard Plasterboards
  - The East wall, should be insulated. Leave the outside of the wall open for inspection
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.







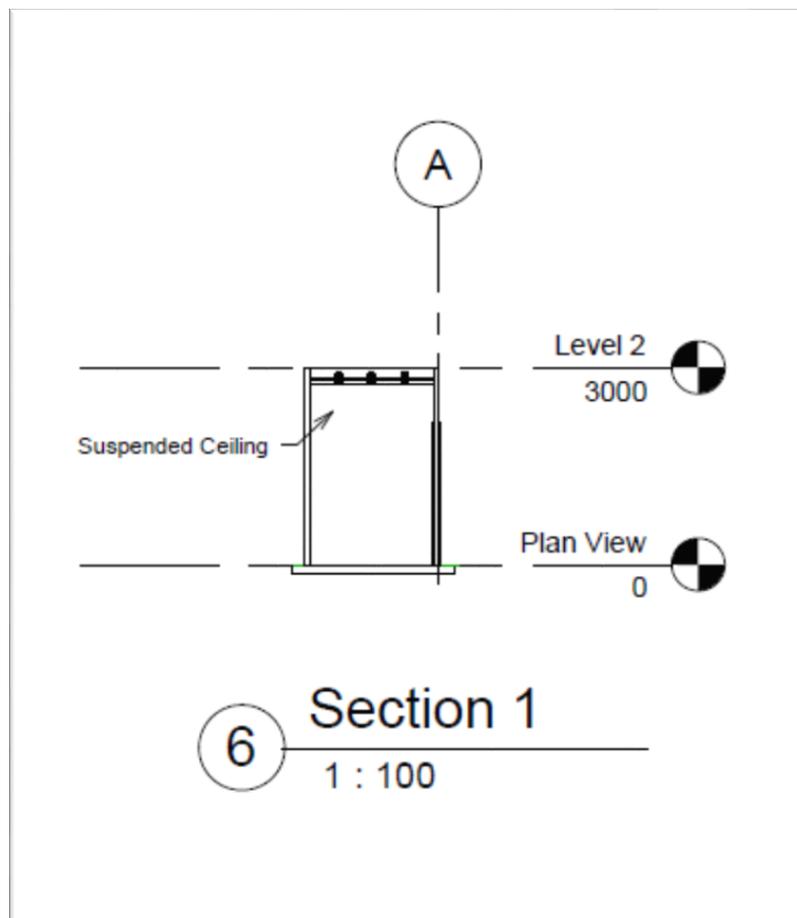
## MODULE 2

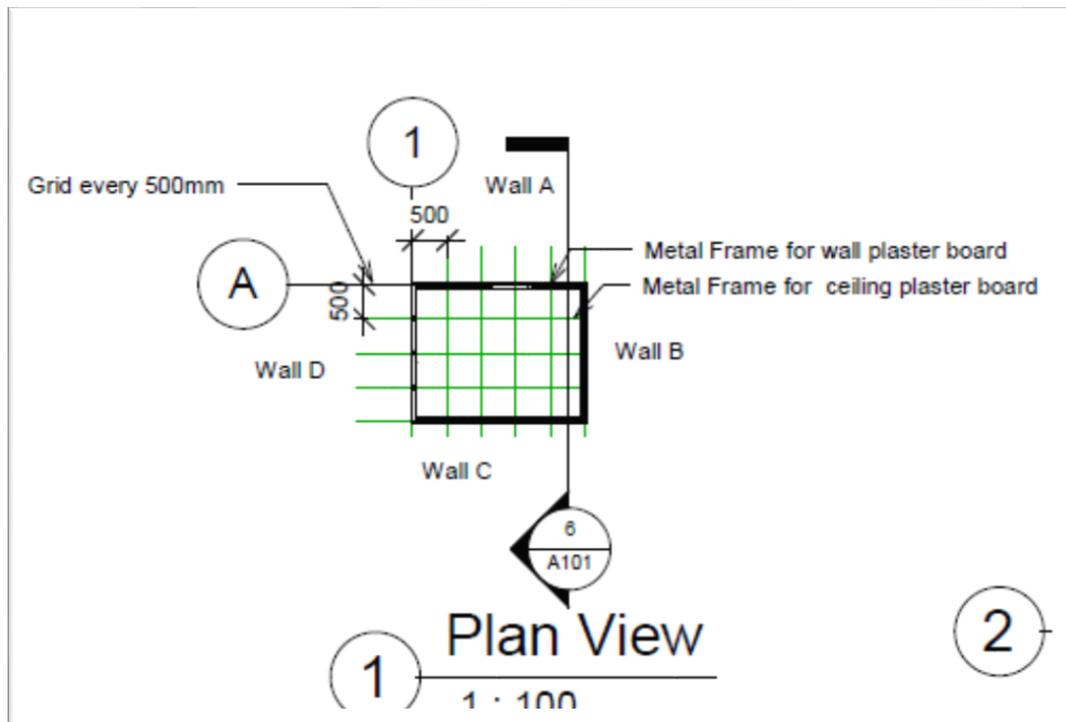
Day: 2

Time allowed: 4 Hours

### Instructions for Module 2

- This module refers to the construction of the ceiling with a CD profile.
- The ceiling is NOT connected to the finished walls.
- A maximum of 150mm spacing between the screws on ceiling
- Insulation should be added in half of the ceiling. Half of the ceiling should remain open for inspection
- No need to tape and coat
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.





## **MODULE 3**

**Day: 3**

**Time allowed: 4 Hours**

### **Instructions for Module 3**

- The surface of all 4 sides should be taped and covered with skim coat.
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.

## **EQUIPMENT LIST**

**Materials will be provided as per the List prepared in the Preparation Day**

**The following tools will be provided on construction site:**

### **Handheld Tools**

- Metal stand guillotine, metal scissors
- Screwdriver
- Retractable knife
- Jig saw, special saws,
- Abrasive paper
- Corner planner
- Perforator saw
- Special saw for plasterboard
- Abrasive grid
- Plastering spatulas
- Trowel

### **Drywall electrical tools:**

- Screwdriver
- Hammer driver drill

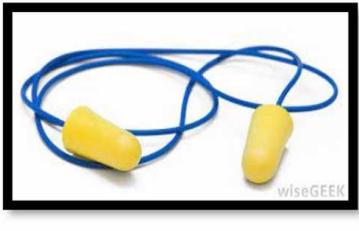
### **Measurement tools**

- Marker
- Folding rulers
- Measuring tape
- Tin spins
- Spirit level
- Chalk lines
- Angle finder

### **Ladder**

## HEALTH AND SAFETY GUIDELINES

All participants should be equipped with the following:

|   |   |   |
|---|---|---|
|  |  |  |
| High Visibility Jacket  | Safety helmet   | Safety Shoes  |
|  |  |  |
| Safety Goggles  | Hand Gloves   | Ear Plugs   |

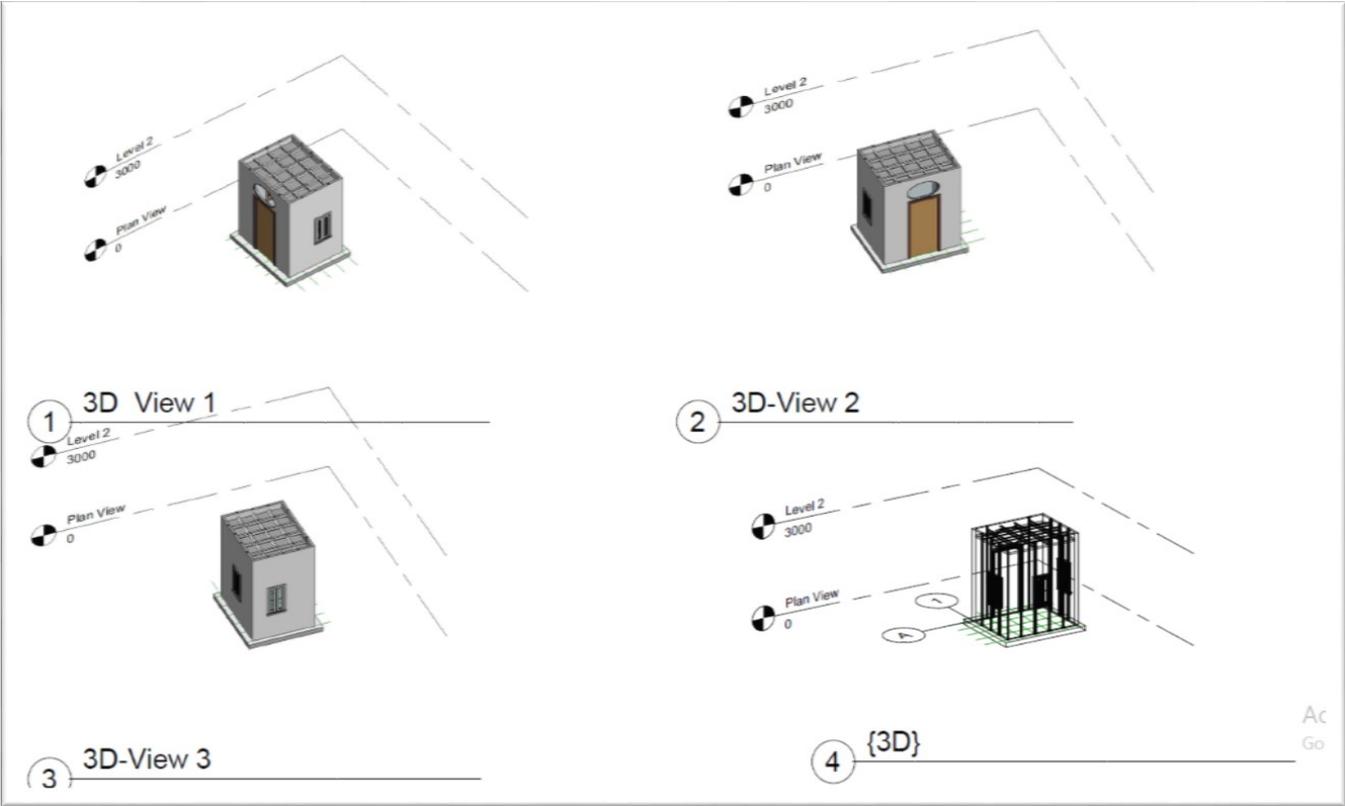
### More Safety Guidelines

- Check for hazards at workplace and surrounding and notify the supervisor immediately
- Always inspect the machine before starting to work. Ensure that all the protection guards are in place.
- Turn the motor off during cleaning and while carrying out adjustments of the machine and in emergency.
- When operating the machine, keep your hands at a safe distance
- Concentrate on work and do not talk with others while working
- Ensure regular cleaning of workplace

## ASSESSMENT PROCEDURES

| Module             | Criteria                 | Criteria                                   | Points     |         | Comments |
|--------------------|--------------------------|--|------------|---------|----------|
|                    |                          |  | Max        | Awarded |          |
| 1                  | Drywall Construction     | Dimensions of East side as per drawings    | 5          |         |          |
|                    |                          | Dimensions of West side as per drawings    | 5          |         |          |
|                    |                          | Dimensions of North side as per drawings   | 5          |         |          |
|                    |                          | Dimensions of South side as per drawings   | 5          |         |          |
|                    |                          | Position and Dimension of Corner Window    | 10         |         |          |
|                    |                          | Position and Dimension of Curved Door      | 10         |         |          |
|                    |                          | Position and Dimension of Window           | 10         |         |          |
|                    |                          | Steel Stubs spacing as per instructions    | 10         |         |          |
|                    |                          | Screws Spacing as per instructions         | 10         |         |          |
|                    |                          | Right angles from floor                    | 10         |         |          |
|                    |                          | Alignment of Plasterboards                 | 10         |         |          |
|                    |                          | Tidiness of site at the end of Day 1       | 10         |         |          |
|                    |                          | Insulation correctly installed             | 20         |         |          |
| <b>TOTAL</b>       |                          |  | <b>120</b> |         |          |
| 2                  | Ceiling Construction and | Spacing of CD Profiles as per instructions | 10         |         |          |
|                    |                          | Alignment of Plasterboards                 | 10         |         |          |
|                    |                          | Dimension of Ceiling                       | 10         |         |          |
|                    |                          | Screws Spacing as per instructions         | 10         |         |          |
|                    |                          | Tidiness of site at the end of Day 2       | 5          |         |          |
| <b>TOTAL</b>       |                          |  | <b>45</b>  |         |          |
| 3                  | Tapping and Coating      | Jointing                                   | 10         |         |          |
|                    |                          | Plastering                                 | 10         |         |          |
|                    |                          | Overall Aesthetics                         | 10         |         |          |
|                    |                          | Tidiness of site at the end of Day 3       | 3          |         |          |
| <b>TOTAL</b>       |                          |  | <b>35</b>  |         |          |
| <b>GRAND TOTAL</b> |                          |  | <b>200</b> |         |          |

# TEST PROJECT C



Ac  
Go

## INTRODUCTION

- In order to conform to the Technical Description, the Project is modular and consists of four modules. Each module is assessed separately which means that a mistake on one module doesn't result in a loss of points in another module.
- The Project is given to Competitor on Familiarization Day for 3 hours then taken away, The Expert and the Translator can work with the Competitor for the first hour only.
- In these three hours the Competitor will produce a list of all components and materials they require to complete the build and finish the Test Project. This will be part of the Test Project assessment.
- Any notes to be produced on paper must remain "on stand".
- At the end of each day the space should be cleaned. The cleaning must take place during the competition time.
- **Health and Safety measures (using protective gear and apply good Health and Safety measures) is also assessed.**

## DESCRIPTION OF PROJECT AND TASKS

Preparatory Day:

### Material List

Review the drawings and prepare a list of materials for the build of the structure.

| Material Name                   | Pieces    |
|---------------------------------|-----------|
| 1. Standard Plasterboard (Grey) | .....PCS. |
| 2. Hydro Plasterboard (Green)   | .....PCS. |
| 5. 75mm/3m UW C chanel          | .....PCS. |
| 6. 75mm/3m CW C studs           | .....PCS. |
| 7. Corner bead                  | .....PCS. |

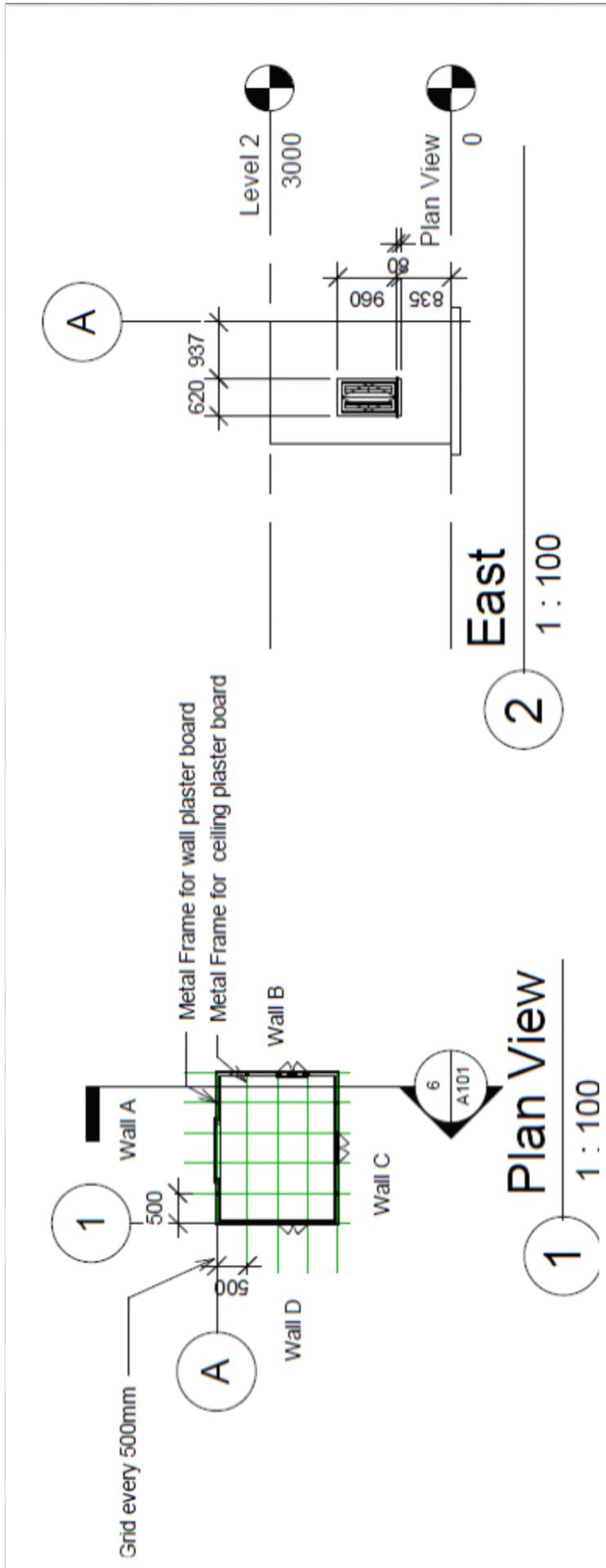
# MODULE 1

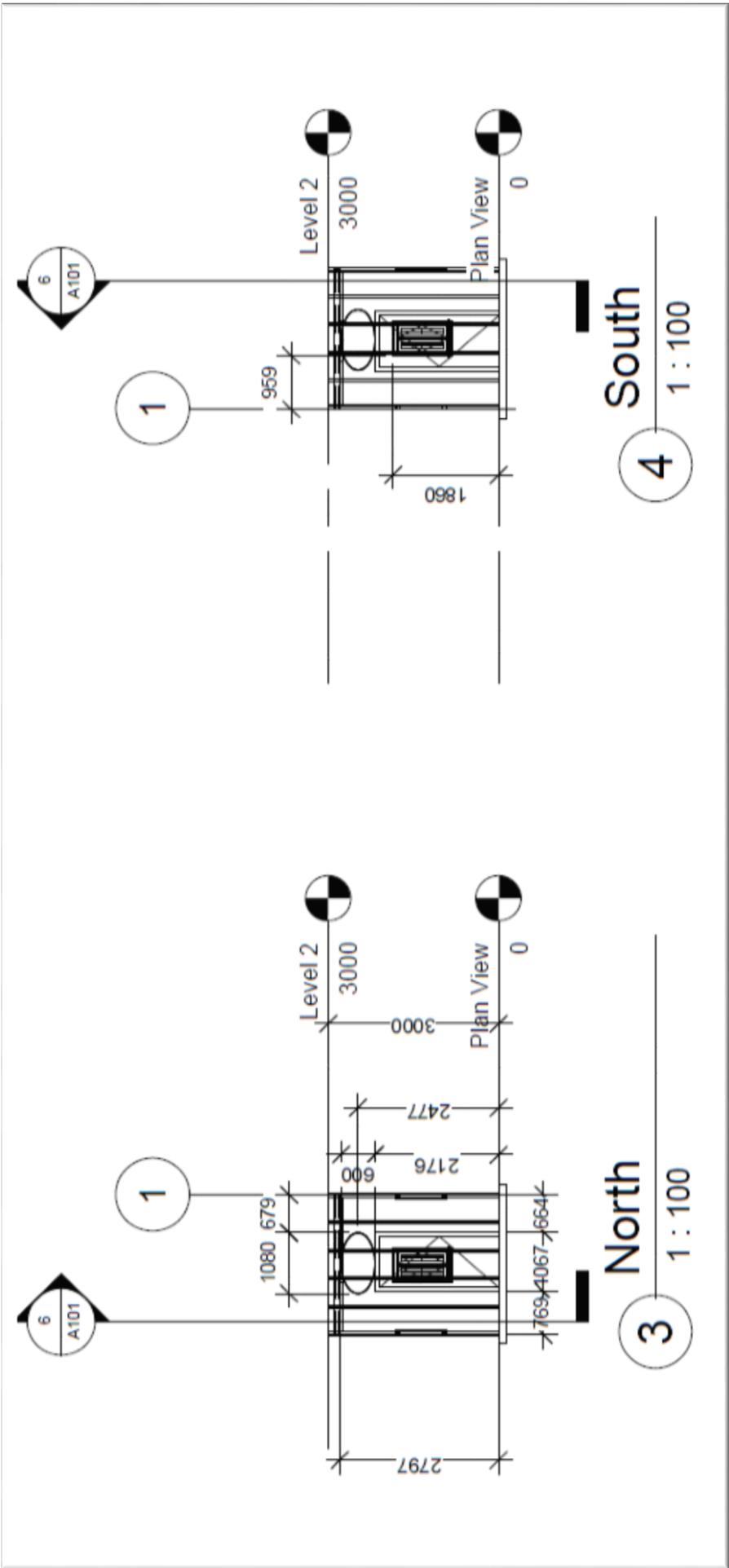
Day: 1

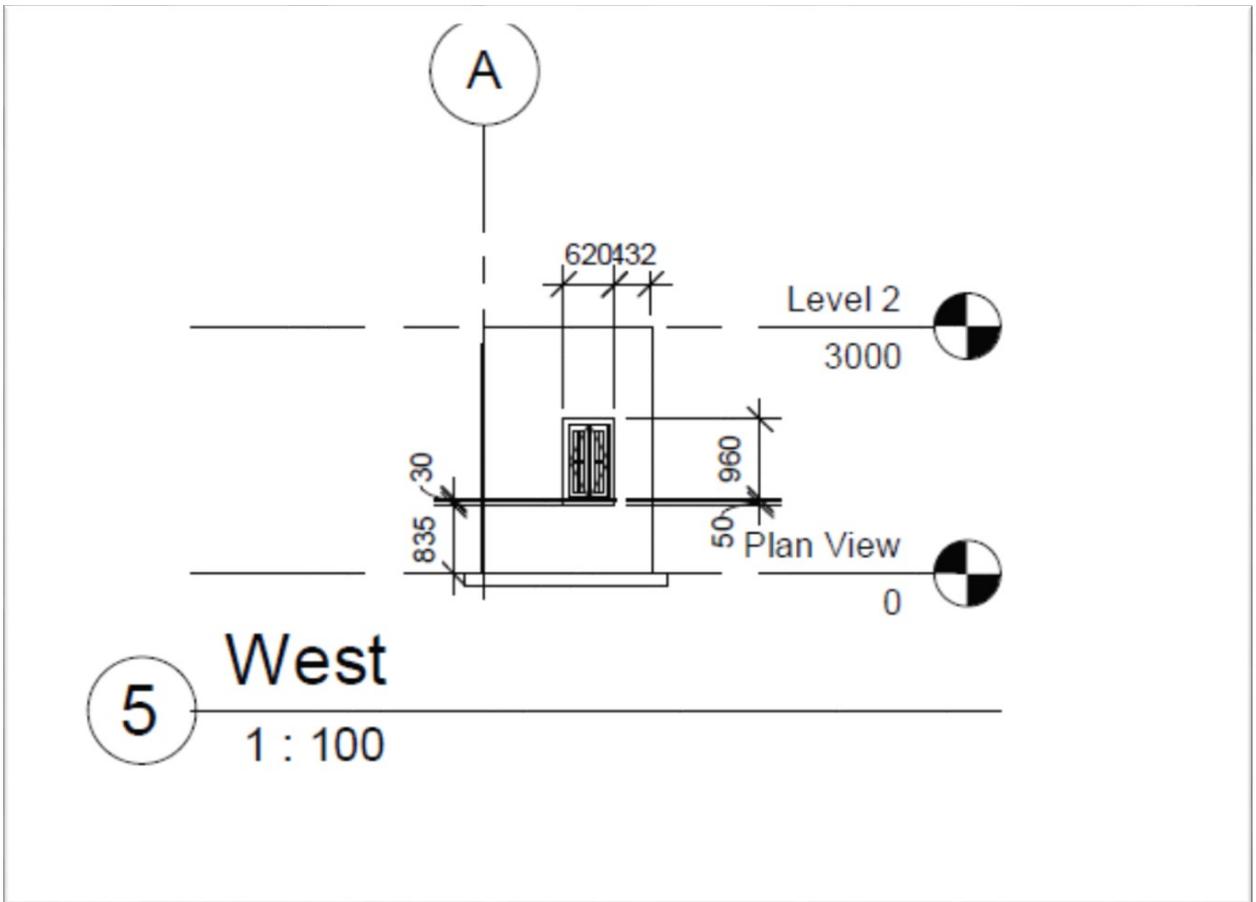
Time allowed: 6:00 (C1)

## Instructions for Module 1

- This module is the first of 3 Modules.
- **Module 1** consists of building walls in plasterboard on a metal frame with Openings, embrasures, windows and a door. There is a ceiling inside the construction. **Note that the ceiling will be constructed in Module 2 (DAY 2) of the Test Project.**
- The dimensions are that of the plasterboards. Dimensions will be assessed before the application of the finish.
- The squareness and plumbness will be assessed before the application of the finish.
- Unlike an actual building site where the plasterboards are raised up from the floor to avoid capillary action, the plasterboards will be set on the floor for the better stability of the Project and can be fixed with screws in the C channel.
- Technically we request:
  - A maximum of 250mm spacing between the screws on walls
  - Steel studs must be set upright and plumbed with a 500 mm space in between
  - Steel studs must be fixed to the lower and the upper steel channel
  - The top and of the structure is covered with plasterboard, all dimensions reflect this plasterboard
  - The first skin of plasterboard should be jointed.
  - The Plasterboards can only be fixed in vertical way
  - Three out of four sides/walls should be built with Standard plasterboard and for the fourth side Hydro Plasterboard should be used
  - Corner beads must be installed in all 4 sites
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.







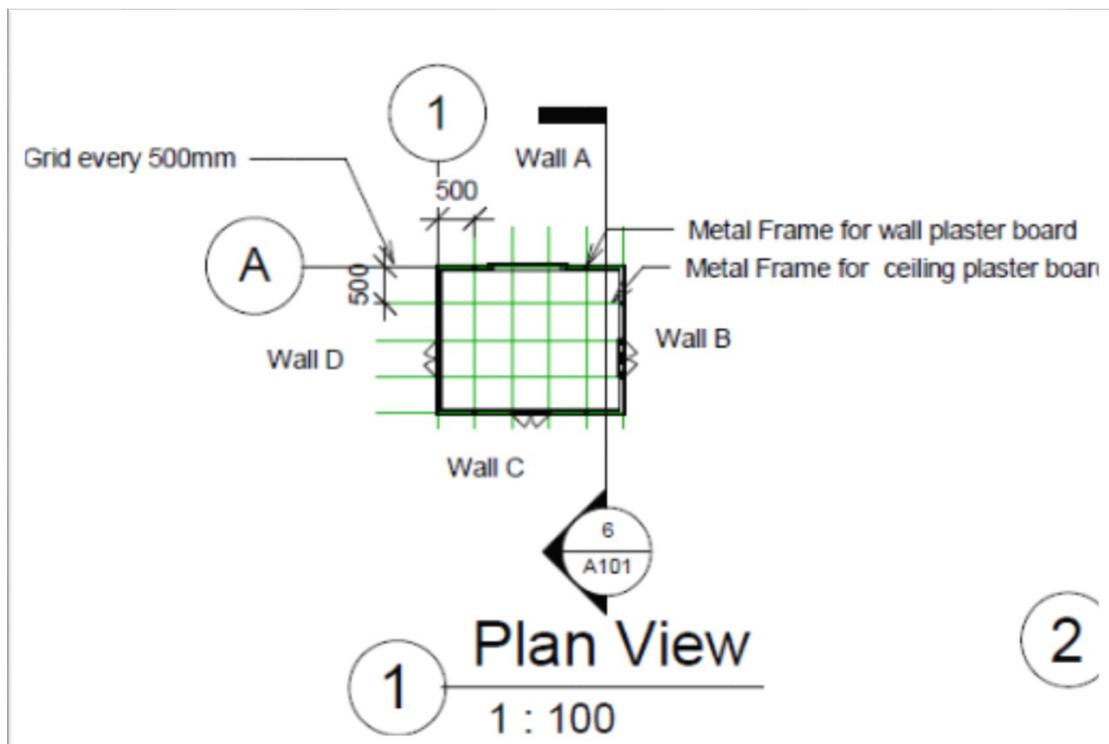
## MODULE 2

Day: 2

Time allowed: 2 Hours

### Instructions for Module 2

- This module refers to the construction of the ceiling with a CD profile.
- The ceiling is NOT connected to the finished walls.
- A maximum of 150mm spacing between the screws on ceiling
- No need to tape and coat
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.



## **MODULE 3**

**Day: 3**

**Time allowed: 4 Hours**

### **Instructions for Module 3**

- The surface of all 4 sides should be taped and covered with skim coat.
- The Competitor must pay particular attention to the organization of their workspace and its cleanliness during and after the task.

## **EQUIPMENT LIST**

**Materials will be provided as per the List prepared in the Preparation Day**

**The following tools will be provided on construction site:**

### **Handheld Tools**

- Metal stand guillotine, metal scissors
- Screwdriver
- Retractable knife
- Jig saw, special saws,
- Abrasive paper
- Corner planner
- Perforator saw
- Special saw for plasterboard
- Abrasive grid
- Plastering spatulas
- Trowel

### **Drywall electrical tools:**

- Screwdriver
- Hammer driver drill

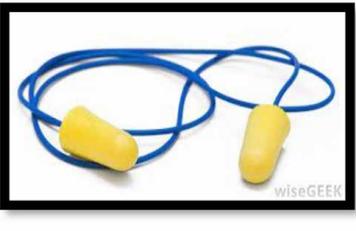
### **Measurement tools**

- Marker
- Folding rulers
- Measuring tape
- Tin spins
- Spirit level
- Chalk lines
- Angle finder

### **Ladder**

## HEALTH AND SAFETY GUIDELINES

All participants should be equipped with the following:

|   |   |   |
|---|---|---|
|  |  |  |
| High Visibility Jacket  | Safety helmet   | Safety Shoes  |
|  |  |  |
| Safety Goggles  | Hand Gloves   | Ear Plugs   |

### More Safety Guidelines

- Check for hazards at workplace and surrounding and notify the supervisor immediately
- Always inspect the machine before starting to work. Ensure that all the protection guards are in place.
- Turn the motor off during cleaning and while carrying out adjustments of the machine and in emergency.
- When operating the machine, keep your hands at a safe distance
- Concentrate on work and do not talk with others while working
- Ensure regular cleaning of workplace

## ASSESSMENT PROCEDURES

| Module             | Criteria             | Criteria  | Points     |         | Comments |
|--------------------|----------------------|---|------------|---------|----------|
|                    |                      |   | Max        | Awarded |          |
| 1                  | Drywall Construction | Dimensions of East side as per drawings           | 5          |         |          |
|                    |                      | Dimensions of West side as per drawings           | 5          |         |          |
|                    |                      | Dimensions of North side as per drawings          | 5          |         |          |
|                    |                      | Dimensions of South side as per drawings          | 5          |         |          |
|                    |                      | One Side/Wall build with Hydro plasterboard       | 5          |         |          |
|                    |                      | Position and Dimension of Corner Window           | 10         |         |          |
|                    |                      | Position and Dimension of Door and Circle opening | 10         |         |          |
|                    |                      | Position and Dimension of Window                  | 10         |         |          |
|                    |                      | Steel Stubs spacing as per instructions           | 10         |         |          |
|                    |                      | Screws Spacing as per instructions                | 10         |         |          |
|                    |                      | Right angles from floor                           | 10         |         |          |
|                    |                      | Alignment of Plasterboards                        | 10         |         |          |
|                    |                      | Tidiness of site at the end of Day 1              | 10         |         |          |
|                    |                      | Outside Corners covered with corner bead          | 15         |         |          |
| <b>TOTAL</b>       |                      |   | <b>120</b> |         |          |
| 2                  | Ceiling Construction | Spacing of CD Profiles as per instructions        | 10         |         |          |
|                    |                      | Alignment of Plasterboards                        | 10         |         |          |
|                    |                      | Dimension of Ceiling                              | 10         |         |          |
|                    |                      | Screws Spacing as per instructions                | 5          |         |          |
|                    |                      | Tidiness of site at the end of Day 2              | 5          |         |          |
| <b>TOTAL</b>       |                      |   | <b>40</b>  |         |          |
| 3                  | Tapping and Coating  | Jointing  | 10         |         |          |
|                    |                      | Plastering  | 10         |         |          |
|                    |                      | Overall Aesthetics                                | 5          |         |          |
|                    |                      | Tidiness of site at the end of Day 3              | 5          |         |          |
|                    |                      | Health & Safety gear used by all competitors      | 10         |         |          |
| <b>TOTAL</b>       |                      |   | <b>40</b>  |         |          |
| <b>GRAND TOTAL</b> |                      |   | <b>200</b> |         |          |