



**Test
projects**

PLASTERING AND DRYWALL SYSTEMS

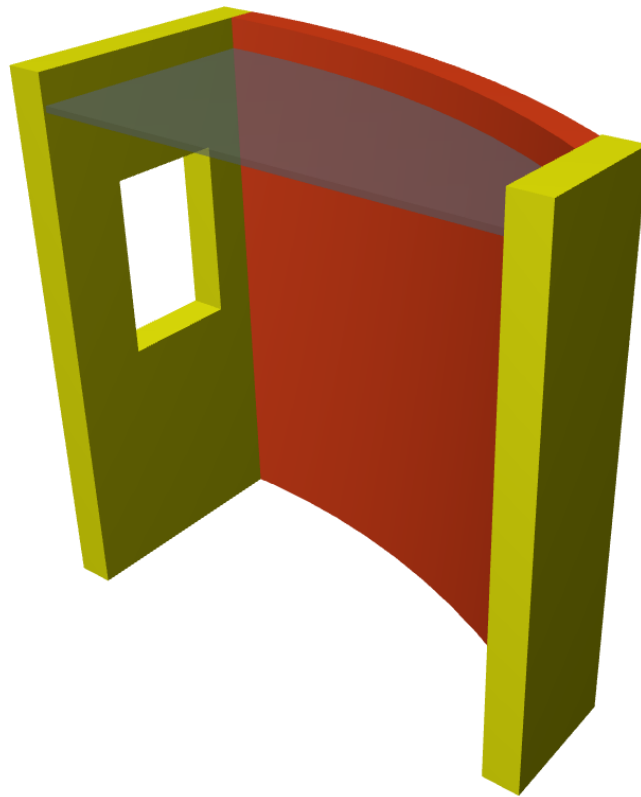
- Test projects A, B, C
- Drawings
- Description
- Assessment procedures



HUNGARY



Erasmus+



Test project - A

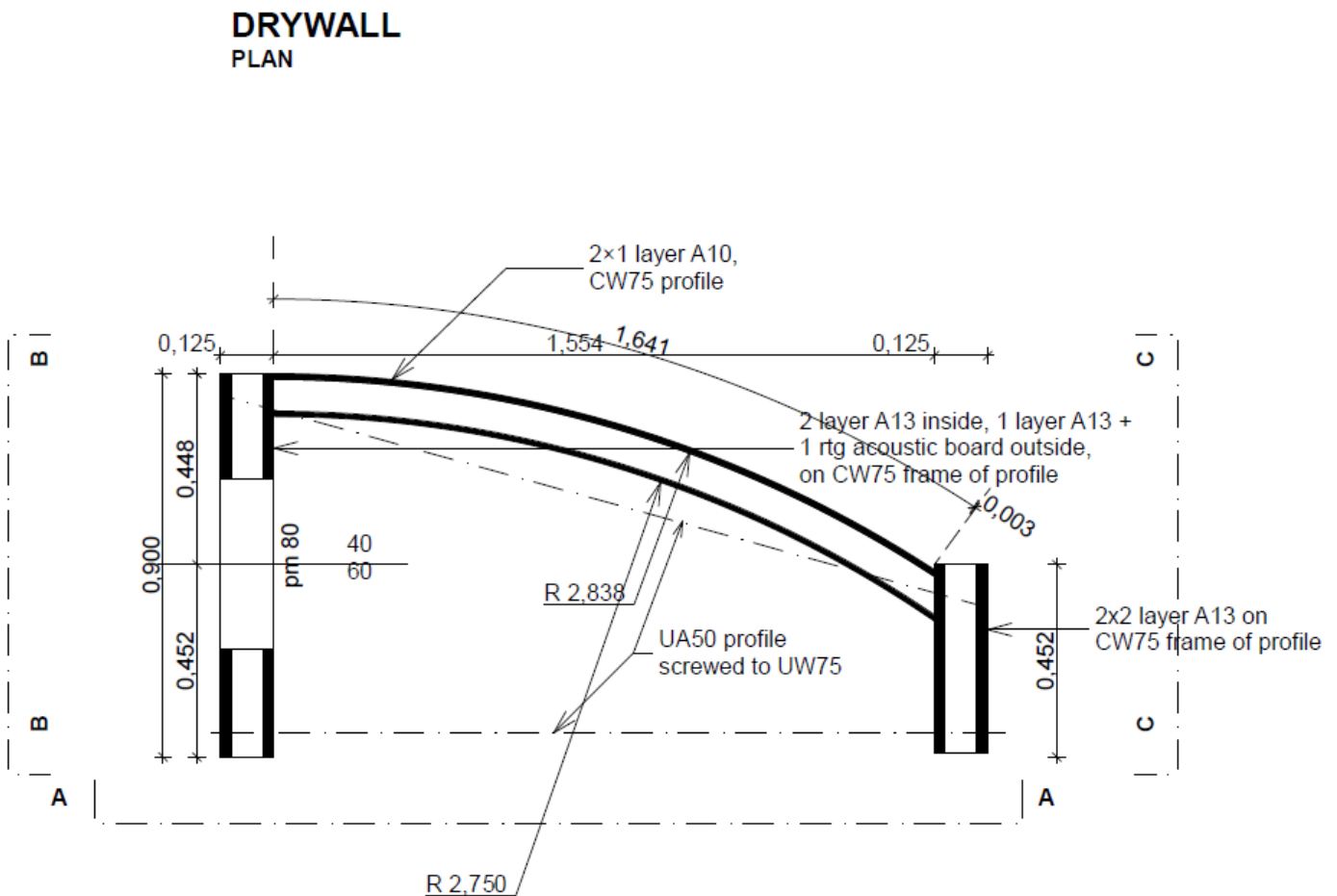
December 2020

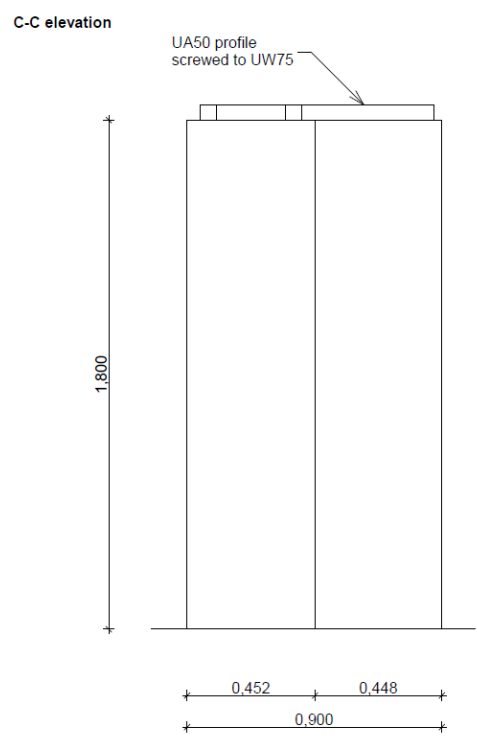
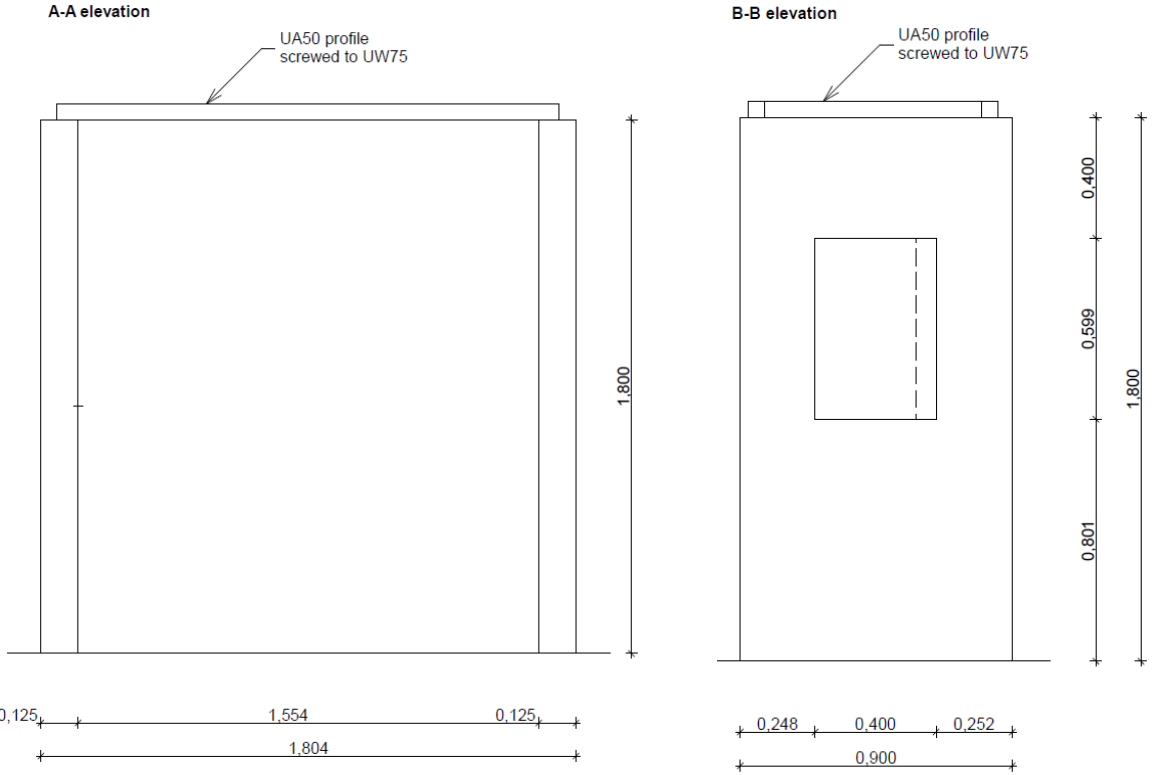
Description

Build the straight and curved partition of wall system and hanging flat ceiling according to the plan as below.

Modul 1: Drywall system

The framework of the drywall system are CW75 profiles, on which 2 layers of A13 plasterboards, perforated boards or 1-1 layer of plasterboard are according to the plan. The distance between the CW75 profiles is up to 30 cm in the curved section. CW and UW profiles MUST BE SCREWED FOR STABILITY. The inner lining of the opening and the wall's ends does NOT need to be covered with plasterboard.

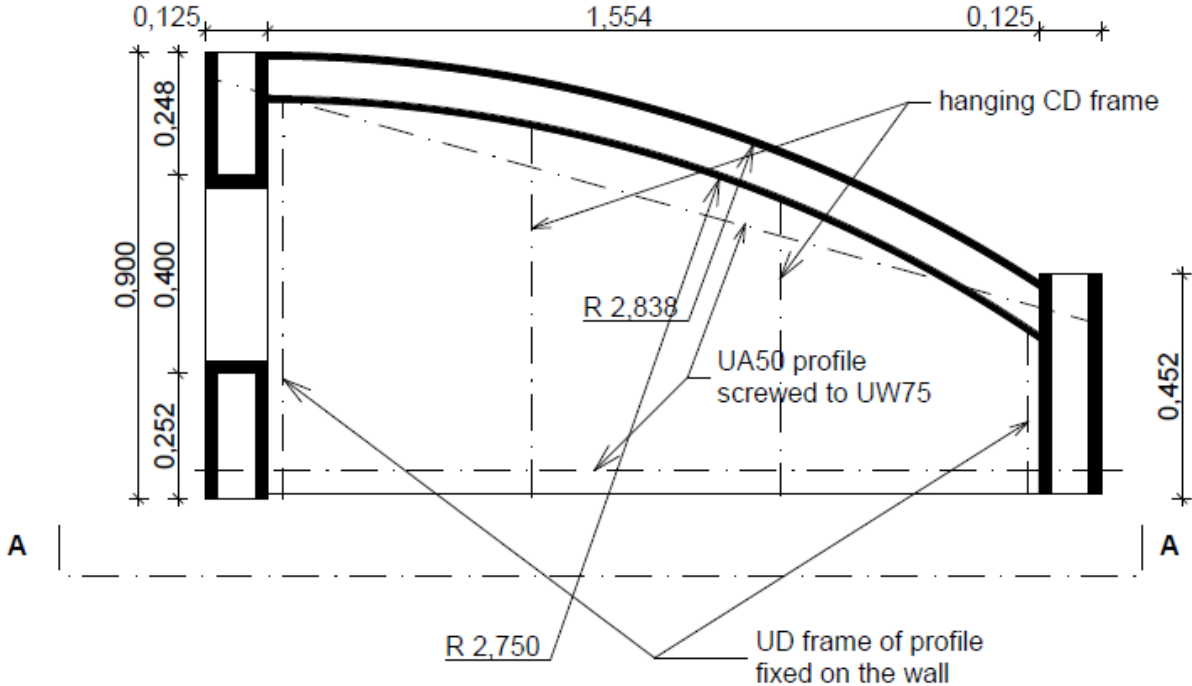


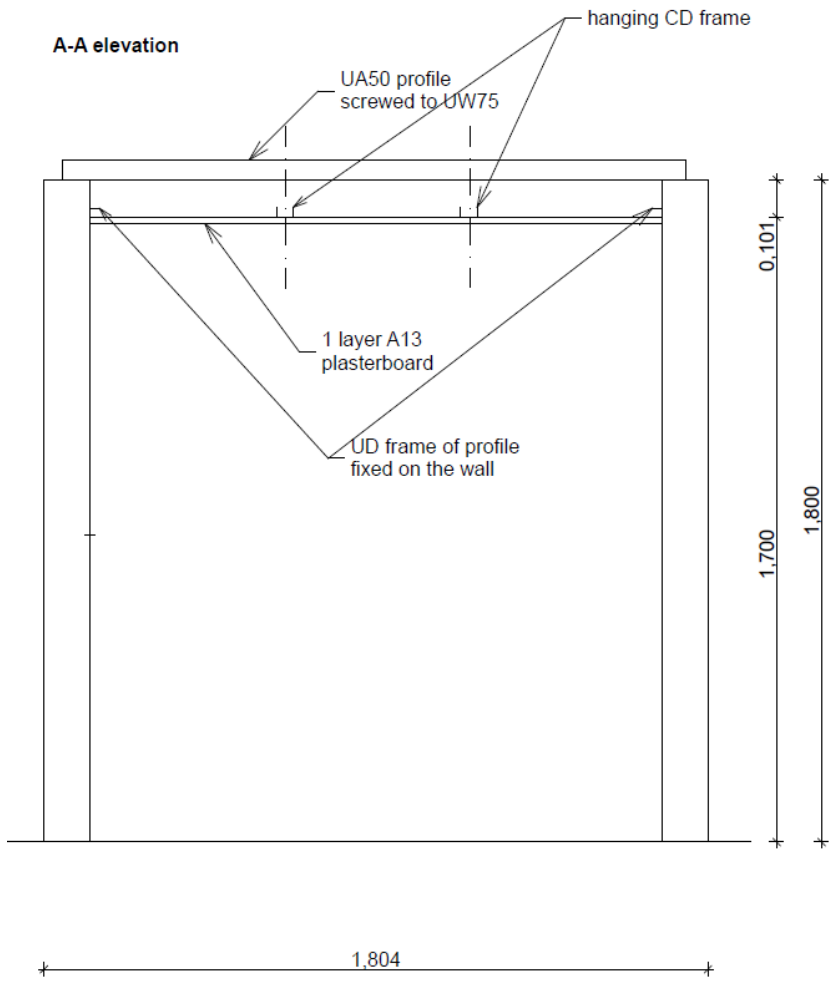


Modul 2: Hanging ceiling system

The structure of the hanging ceiling is a CD profile, which is connected to the finished wall with a UD profile. The CD profiles hanging by a direct hanger from the UA profile, which are bolted to the top of the walls on the free edge. No need to tape and coat!

**HANGING CEILING SYSTEM
PLAN**





Modul 3: Tapeing and coating

Complete surface covering of skim coat the convex side of the curved wall over the entire surface. Halve the surface diagonally and finish the surface in 2 mm under the diagonal!

Infrastructure list

- Materials:

- Handheld tools:
 - metal stand guillotine, metal scissors
 - screwdriver,
 - retractable knife,
 - jig saw, special saws,
 - abrasive paper,
 - corner planer,
 - perforator saw,
 - special saw for plasterboard,
 - abrasive grid,
 - plastering spatulas,
 - trowel

- Drywall electrical machines:
 - screwdriver,
 - hammer driver drill

- Measurement tools:
 - marker
 - folding rulers,
 - measuring tape,
 - tin spins,
 - spirit level,
 - chalk lines,
 - angle finder

- Ladder

Specification of Toolbox

No toolbox can exceed 1 cubic meter and 160kg in weight. Toolbox numbers are not limited but the total weight and volume cannot exceed the specified values. (EuroSkills standard)

The following is a list of tools a Competitor may choose to bring:

- Handheld tools:
 - metal stand guillotine, metal scissors,
 - screwdriver,
 - retractable knife,
 - jig saw, special saws,
 - abrasive paper,
 - corner planer,
 - perforator saw,
 - special saw for plasterboard,
 - abrasive grid,
 - plastering spatulas,
 - trowel.

- Drywall electrical machines:
 - screwdriver,
 - hammer driver drill.

- Measurement tools:
 - marker,
 - folding rulers,
 - measuring tape,
 - tin spins,
 - spirit level,
 - chalk lines,
 - angle finder.

All metal sections are to be cut by a drywall guillotine or tin snips (either manual or cordless) and as a result electrical chop saws with circular rotating blades are prohibited in the Competition.

All mitres to cornice and panel moulds must be cut by hand and as a result electrical chop saws with circular rotating blades are prohibited in the Competition.

ASSESSMENT PROCEDURES:

| Type | Criteria | The following sub criteria | Points | |
|----------------------------|----------------------|---|--------|---------|
| | | | Max. | Reached |
| Modul 1 | Drywall construction | - Cutting and fixing of profiles, | 10 | |
| | | - Precision of the cutting of plasterboard, | 10 | |
| | | - Correct position of the plasterboard, | 15 | |
| | | - Precision of wall's connections, | 10 | |
| | | - Treatment of materials, | 5 | |
| | | - Accuracy of measurement, | 10 | |
| | | - Wall end construction, | 5 | |
| - Plumbness, | 5 | | | |
| - Straightness of surface. | 30 | | | |
| Modul 2 | Ceiling construction | - Cutting and fixing of profiles, | 10 | |
| | | - Precision of the cutting of plasterboard, | 15 | |
| | | - Correct position of the plasterboard, | 15 | |
| | | - Precision of wall's connections, | 10 | |
| | | - Treatment of materials, | 10 | |
| | | - Accuracy of measurement, | 10 | |
| | | - Straightness of surface. | 30 | |
| Modul 3 | Taping and coating | - Straightness of surface, | 30 | |
| | | - Accuracy of diagonal, | 30 | |
| | | - Aesthetics plane's change. | 40 | |

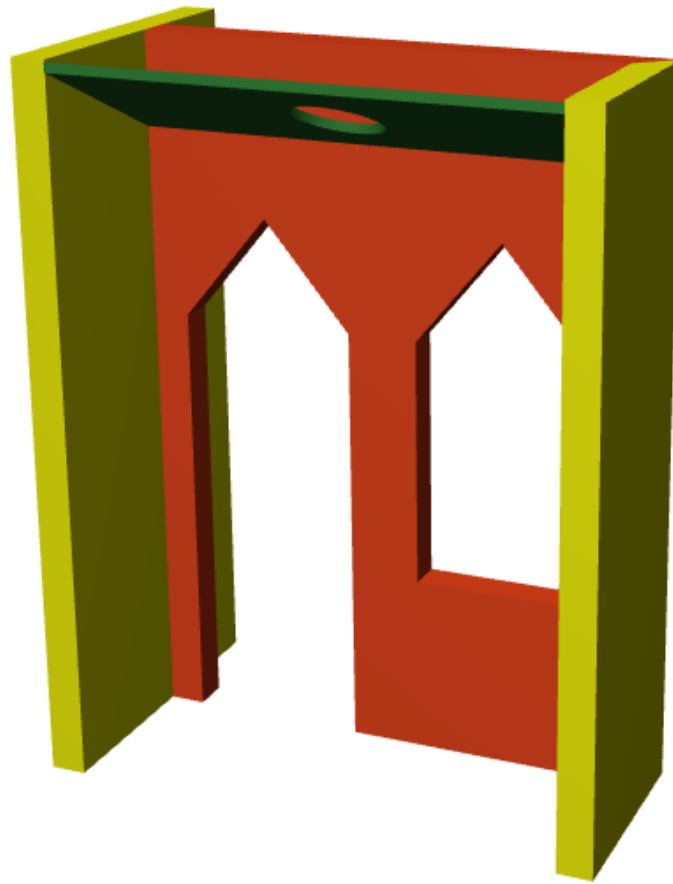
In additional to be scored:

1. The quality of the tools and toolbox, and the using of tools during the construction (not according to the safety policy).
2. Professional treatment of the materials (cutting, preparation, store before the construction)
3. The minimalization of the waste,

- **speed of construction**
- aesthetics of test project,
- recycling,
- health, safety and cleanliness.

Health, safety and environment policy and regulations

- Personal Protective Equipment:
 - Safety footwear,
 - Protective gloves,
 - Protective glasses
 - Screw bag



Test project - B

December 2020

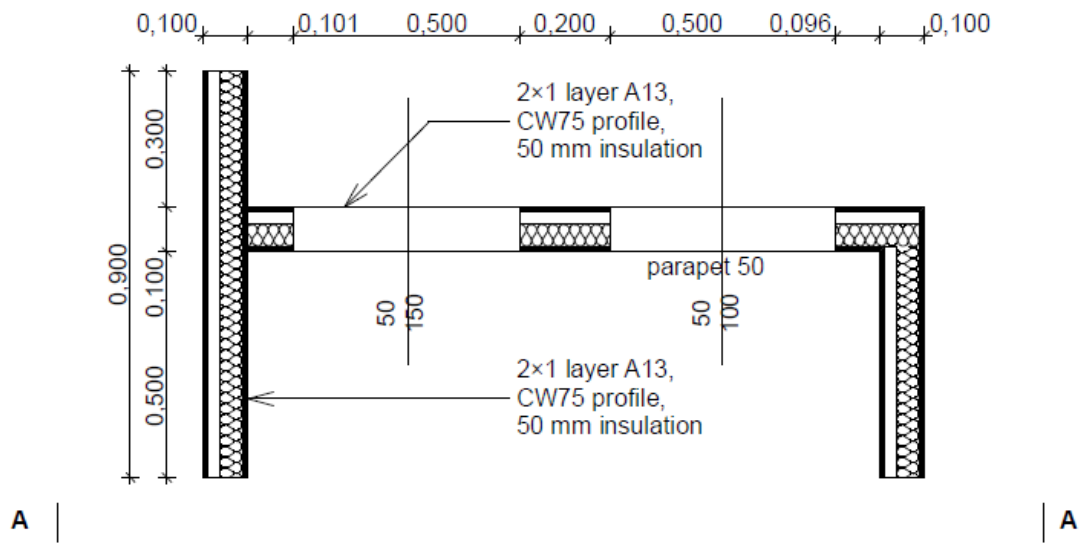
Description

Build the wall system and hanging skewt ceiling according to the plan as below.

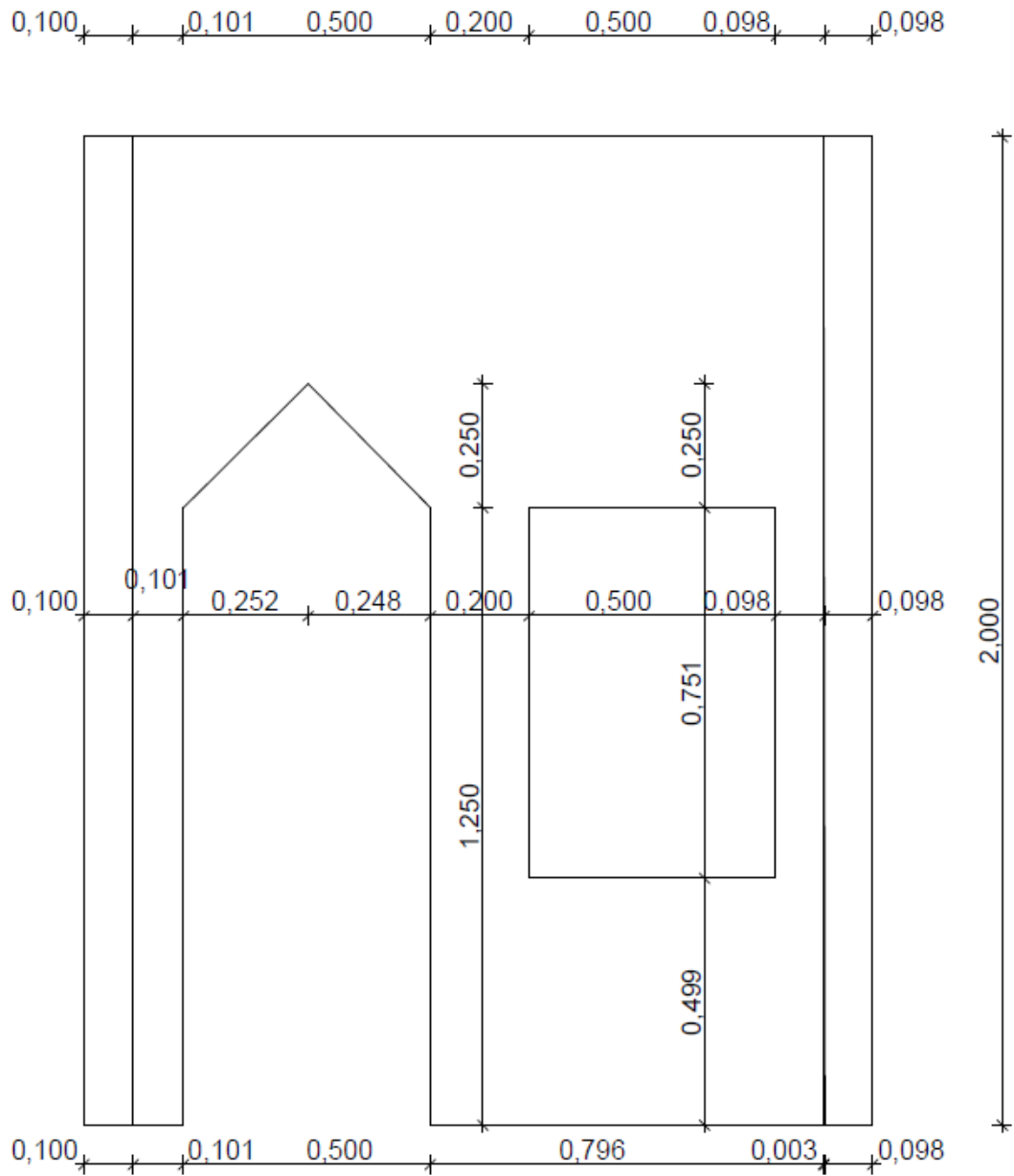
Modul 1: Drywall system

The framework of the drywall system are CW75 profiles, on which 1 layer of A13 plasterboards and insulation. The CW and UW profiles MUST BE SCREWED FOR STABILITY. The inner lining of the opening must cover with plasterboard. but the wall's ends does NOT need to be covered.

DRYWALL PLAN



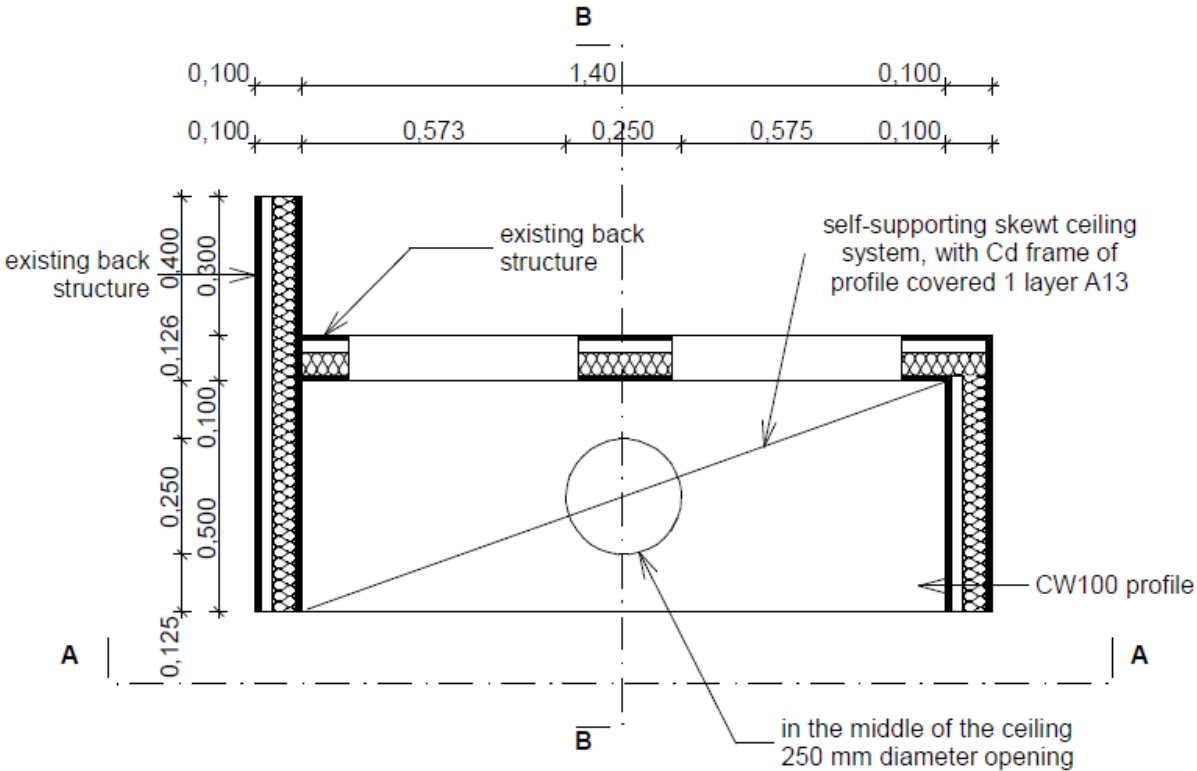
A-A elevation

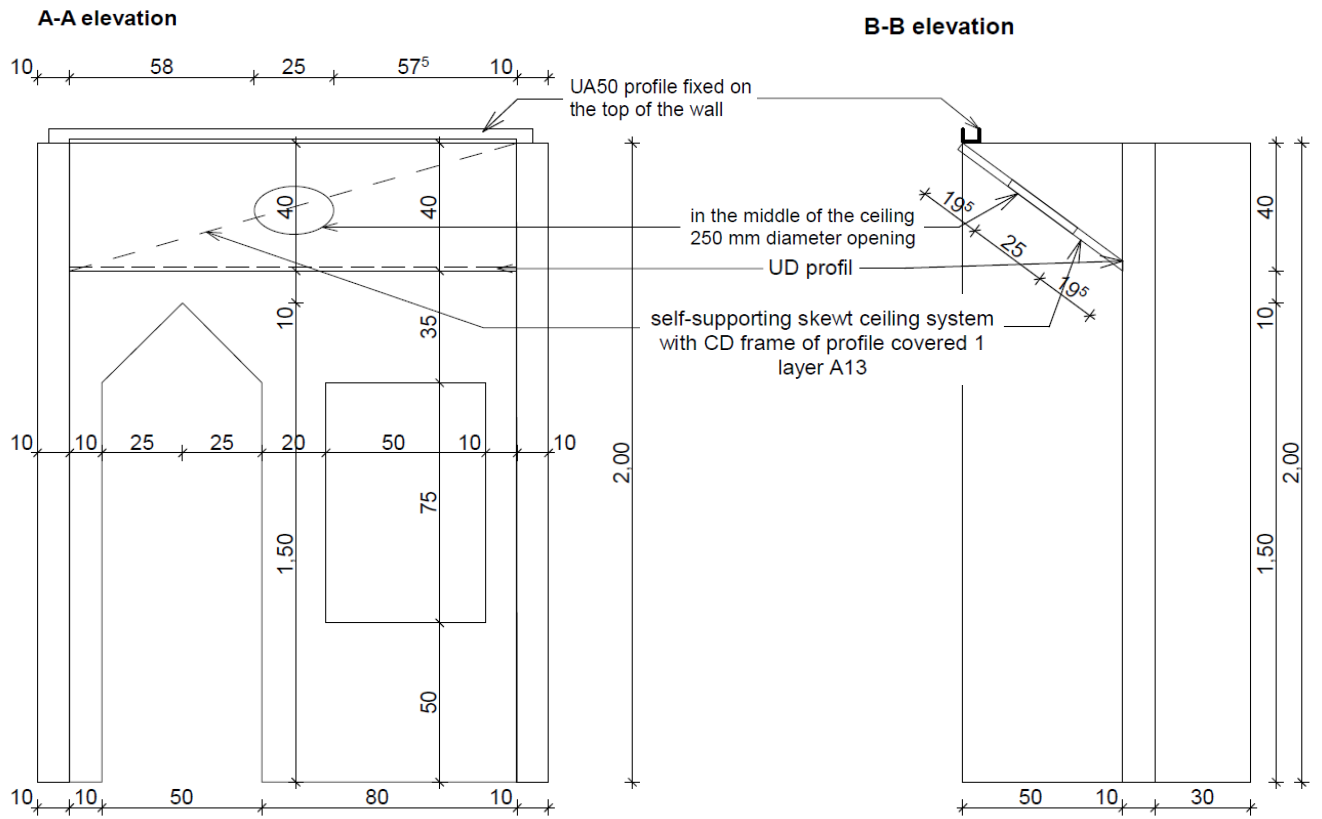


Modul 2: Ceiling system

The structure of the hanging ceiling is a CD profile, which is connected to the finished wall with a UD profile. The CD profiles hanging by a direct hanger from the UA profile, which are bolted to the top of the walls on the free edge. In the middle of the ceiling must cut out opening with 25 cm diameter. No need to tape and coat!

**SKEWT CEILING SYSTEM
PLAN**





Modul 3: Tapeing and coating

Complete surface covering of skim coat the side of wall, where the opening is and the end of the openings.

Infrastructure list

- Materials:

- Handheld tools:
 - metal stand guillotine, metal scissors
 - screwdriver,
 - retractable knife,
 - jig saw, special saws,
 - abrasive paper,
 - corner planer,
 - perforator saw,
 - special saw for plasterboard,
 - abrasive grid,
 - plastering spatulas,
 - trowel

- Drywall electrical machines:
 - screwdriver,
 - hammer driver drill

- Measurement tools:
 - marker
 - folding rulers,
 - measuring tape,
 - tin spins,
 - spirit level,
 - chalk lines,
 - angle finder

- Ladder

Specification of Toolbox

No toolbox can exceed 1 cubic meter and 160kg in weight. Toolbox numbers are not limited but the total weight and volume cannot exceed the specified values. (EuroSkills standard)

The following is a list of tools a Competitor may choose to bring:

- Handheld tools:
 - metal stand guillotine, metal scissors,
 - screwdriver,
 - retractable knife,
 - jig saw, special saws,
 - abrasive paper,
 - corner planer,
 - perforator saw,
 - special saw for plasterboard,
 - abrasive grid,
 - plastering spatulas,
 - trowel.

- Drywall electrical machines:
 - screwdriver,
 - hammer driver drill.

- Measurement tools:
 - marker,
 - folding rulers,
 - measuring tape,
 - tin snips,
 - spirit level,
 - chalk lines,
 - angle finder.

All metal sections are to be cut by a drywall guillotine or tin snips (either manual or cordless) and as a result electrical chop saws with circular rotating blades are prohibited in the Competition.

All mitres to cornice and panel moulds must be cut by hand and as a result electrical chop saws with circular rotating blades are prohibited in the Competition.

ASSESSMENT PROCEDURES:

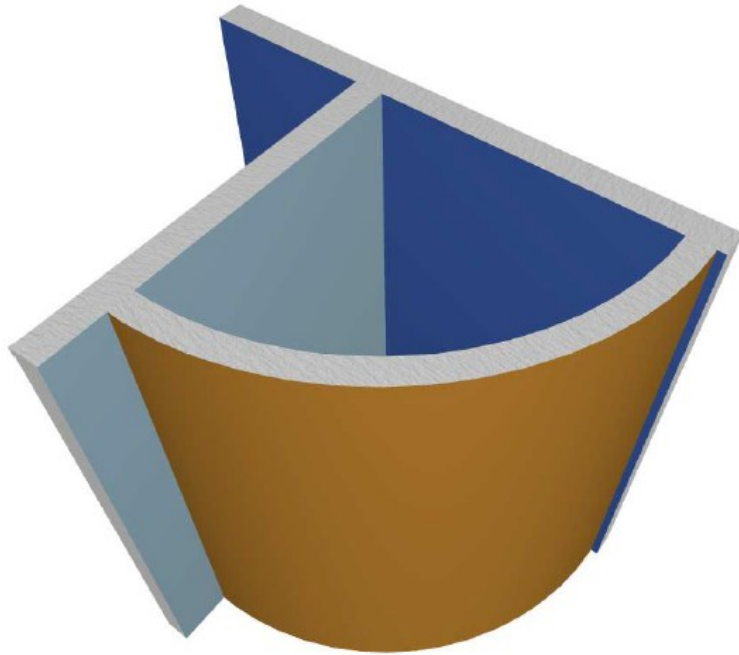
| Type | Criteria | The following sub criteria | Points | |
|------------|----------------------------|--|--------|---------|
| | | | Max. | Reached |
| Modul 1 | Drywall construction | - Cutting and fixing of profiles, | 10 | |
| | | - Precession of the cutting of plasterboard, | 10 | |
| | | - Correct position of the plasterboard, | 15 | |
| | | - Precession of wall's connections, | 10 | |
| | | - Treatment of materials, | 5 | |
| | | - Accuracy of measurement, | 10 | |
| | | - Wall end construction, | 5 | |
| | | - Plumbness, | 5 | |
| | - Straightness of surface. | 30 | | |
| Modul 2 | Ceiling construction | - Cutting and fixing of profiles, | 10 | |
| | | - Precession of the cutting of plasterboard, | 15 | |
| | | - Correct position of the plasterboard, | 15 | |
| | | - Precession of wall's connections, | 10 | |
| | | - Treatment of materials, | 10 | |
| | | - Accuracy of measurement, | 10 | |
| | | - Straightness of surface. | 30 | |
| Modul 3 | Taping and coating | - Straightness of surface, | 30 | |
| | | - Accuracy of diagonal, | 30 | |
| | | - Aesthetics plane's change. | 40 | |

In additional to be scored:

1. The quality of the tools and toolbox, and the using of tools during the construction (not according to the safety policy).
2. Professional treatment of the materials (cutting, preparation, store before the construction)
3. The minimalization of the waste,
 - **speed of construction**
 - aesthetics of test project,
 - recycling,
 - health, safety and cleanliness.

Health, safety and environment policy and regulations

- Personal Protective Equipment:
 - Safety footwear,
 - Protective gloves,
 - Protective glasses
 - Screw bag



Test project - C

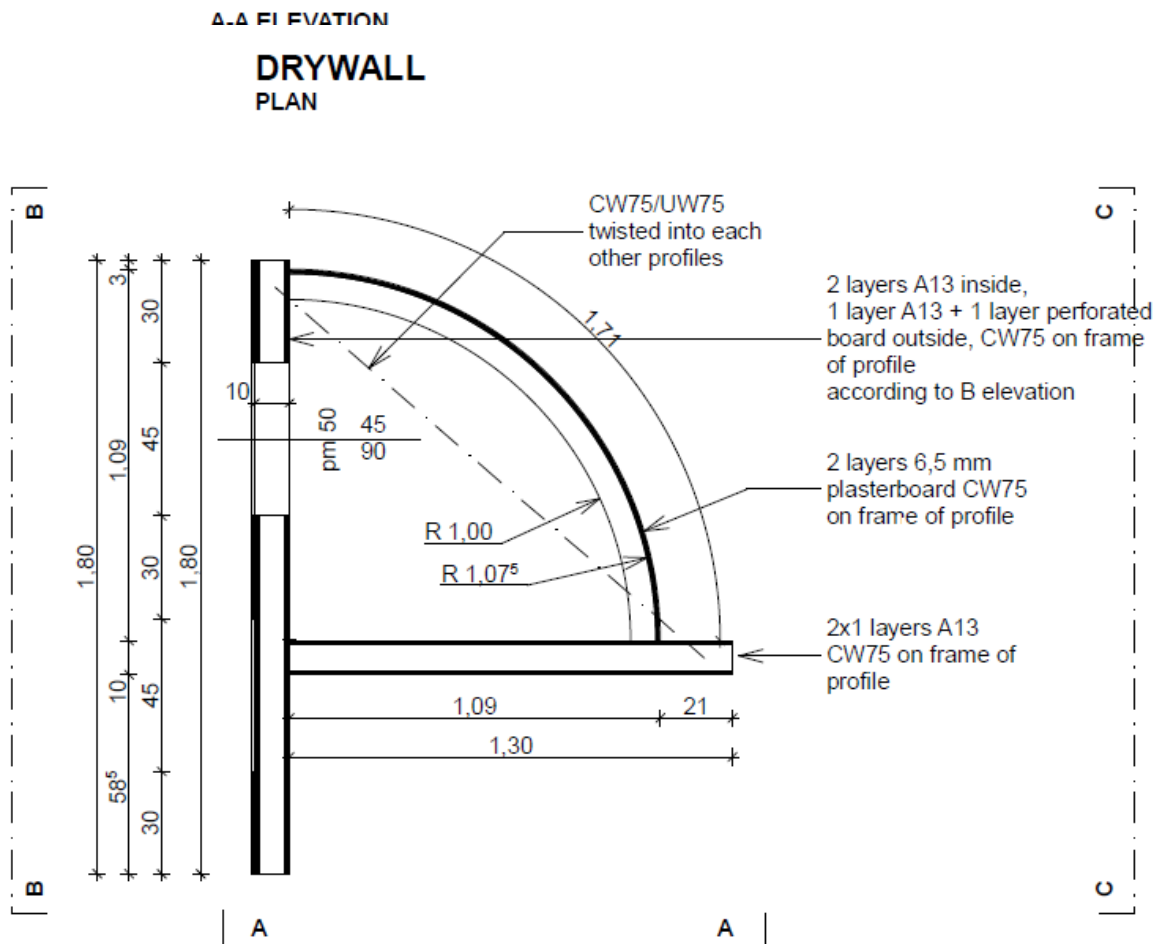
December 2020

Description

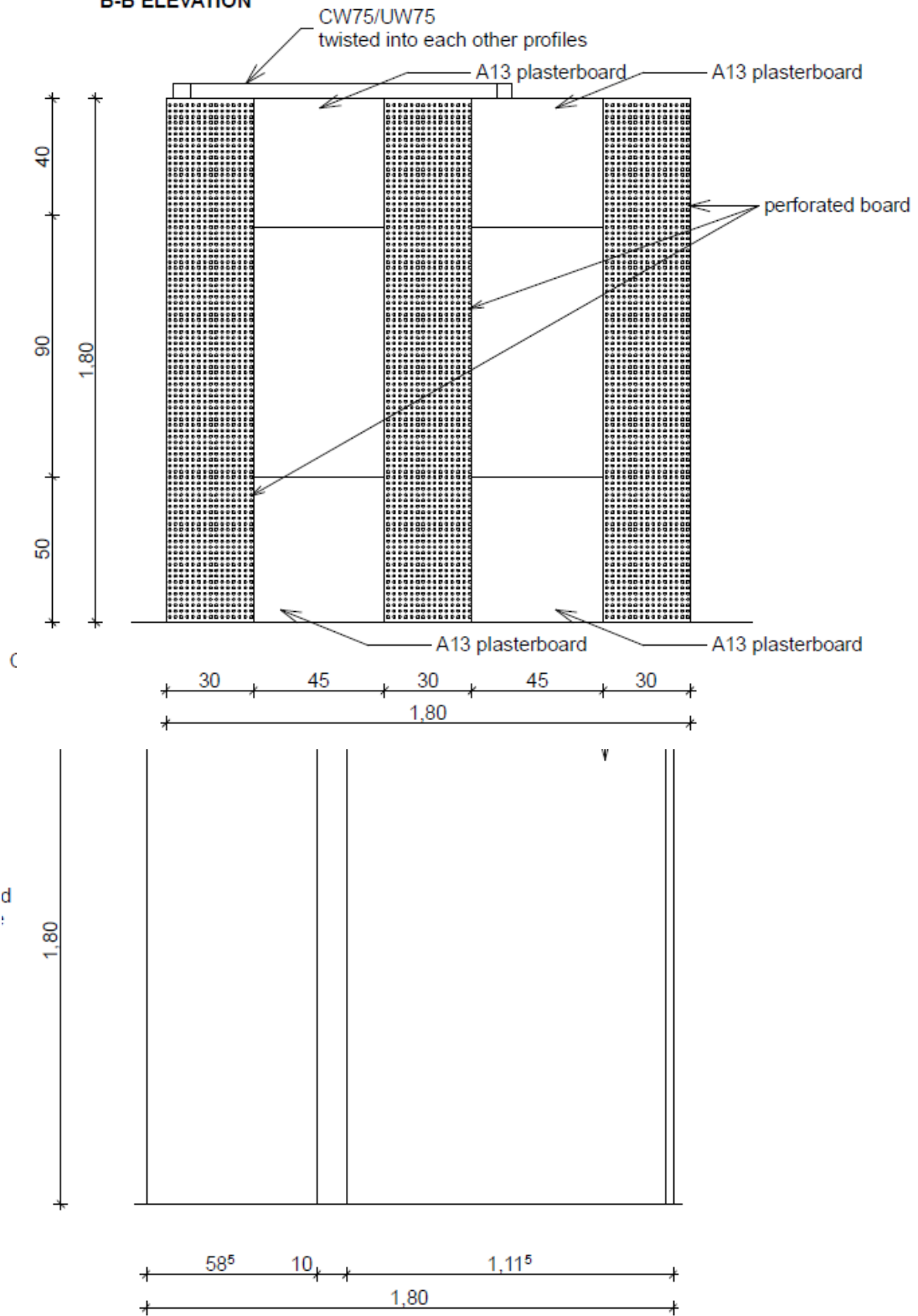
Build the straight wall systems and curved wall lining system and hanging skew ceiling according to the plan as below

Modul 1: Drywall system

The framework of the drywall system are CW75 profiles, on which 1 layer of A13 plasterboard. An opening is made on the longer wall. For this wall must made an additional perforated and standard plasterboard covering according to the plan B-B. CW and UW profiles MUST BE SCREWED FOR STABILITY. The inner lining of the opening and the wall's ends does NOT need to be covered with plasterboard.



B-B ELEVATION

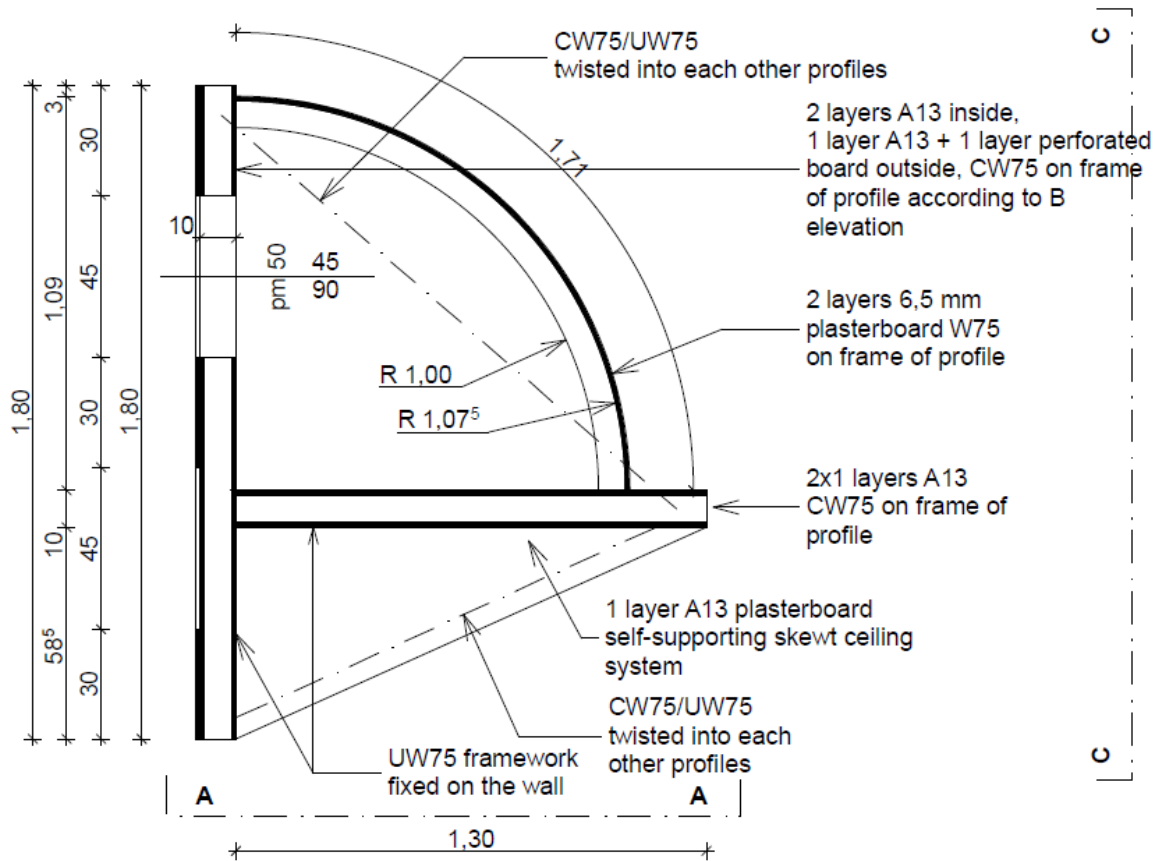


Modul 2: Ceiling system

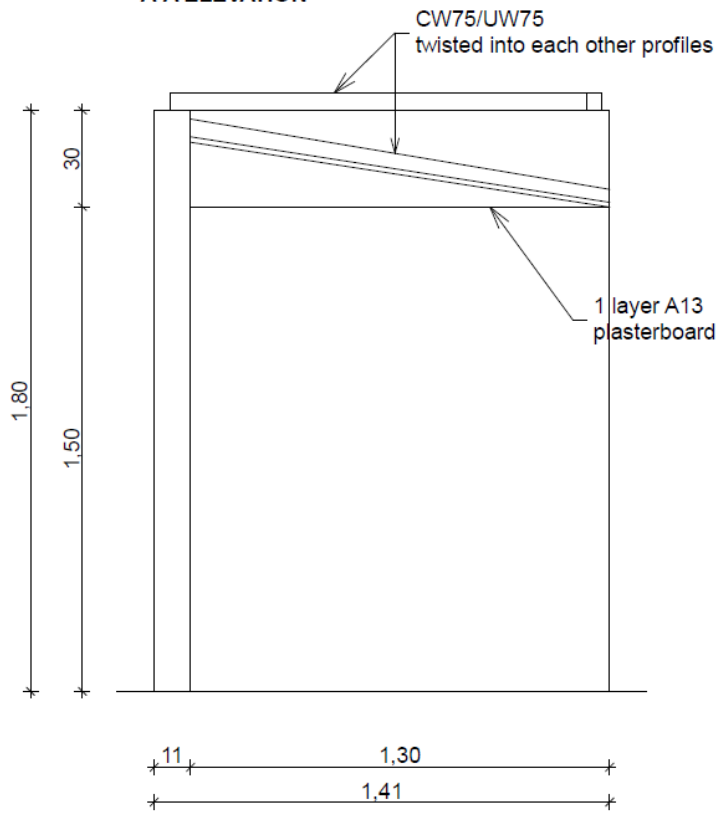
The framework of the hanging ceiling are the UW profiles, which must fix on the finished wall. The free edge will build by the CW / UW twisted into each other profiles, which screwed to the top of the walls.

No need to tape and coat!

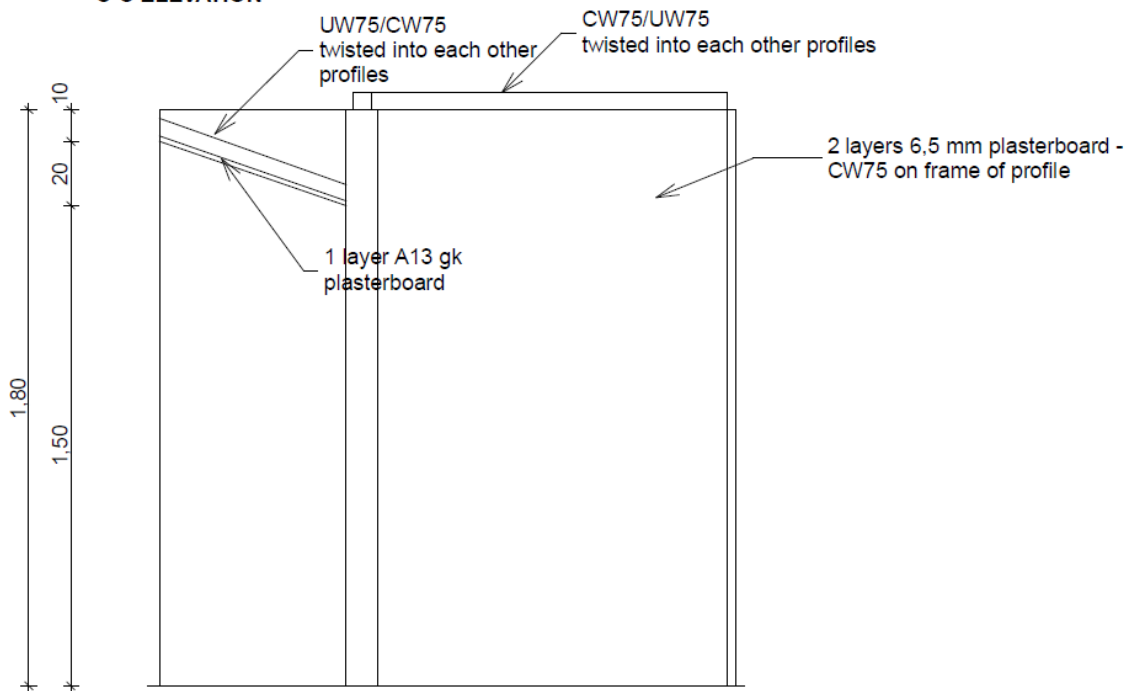
HANGING CEILING SYSTEM PLAN



A-A ELEVATION



C-C ELEVATION



Modul 3: Tapeing and coating

Complete surface covering of skim coat the convex side of the curved wall over the entire surface. Halve the surface diagonally and finish the surface in 2 mm under the diagonal!

Infrastructure list

- Materials:

- Handheld tools:
 - metal stand guillotine, metal scissors
 - screwdriver,
 - retractable knife,
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 - abrasive paper,
 - corner planer,
 - perforator saw,
 - special saw for plasterboard,
 - abrasive grid,
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 - trowel

- Drywall electrical machines:
 - screwdriver,
 - hammer driver drill

- Measurement tools:
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ASSESSMENT PROCEDURES:

| Type | Criteria | The following sub criteria | Points | |
|---------|----------------------|--|---|---------|
| | | | Max. | Reached |
| Modul 1 | Drywall construction | <ul style="list-style-type: none"> - Cutting and fixing of profiles, - Precision of the cutting of plasterboard, - Correct position of the plasterboard, - Precision of wall's connections, - Treatment of materials, - Accuracy of measurement, - Wall end construction, - Plumbness, - Straightness of surface. | 10 10 15 10 5 10 5 5 30 | |
| Modul 2 | Ceiling construction | <ul style="list-style-type: none"> - Cutting and fixing of profiles, - Precision of the cutting of plasterboard, - Correct position of the plasterboard, - Precision of wall's connections, - Treatment of materials, - Accuracy of measurement, - Straightness of surface. | 10 15 15 10 10 10 30 | |
| Modul 3 | Taping and coating | <ul style="list-style-type: none"> - Straightness of surface, - Accuracy of diagonal, - Aesthetics plane's change. | 30 30 40 | |

In additional to be scored:

1. The quality of the tools and toolbox, and the using of tools during the construction (not according to the safety policy).
2. Professional treatment of the materials (cutting, preparation, store before the construction)
3. The minimalization of the waste,

- **speed of construction**
- aesthetics of test project,
- recycling,
- health, safety and cleanliness.

Health, safety and environment policy and regulations

- Personal Protective Equipment:
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 - Protective gloves,
 - Protective glasses
 - Screw bag