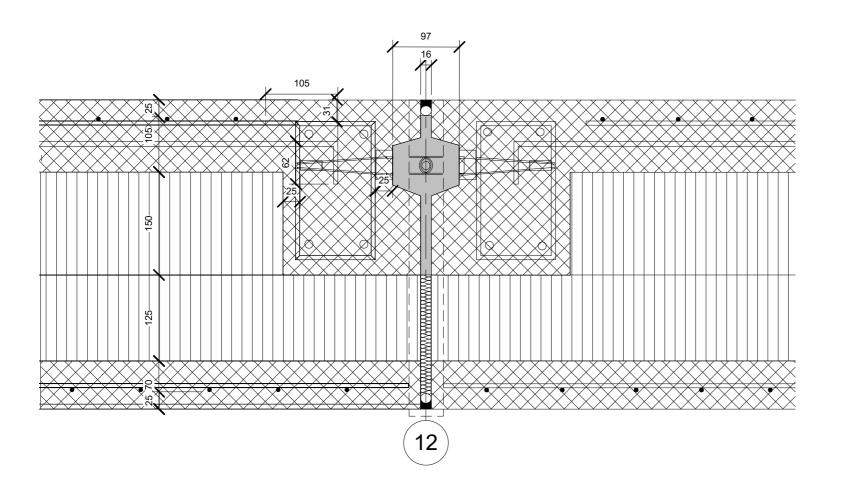
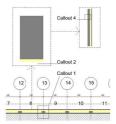


### **Element-Element connection Detail**





### **Sandwich Element:**

105mm Inner Leaf 275mm XPS Jackson rigid Insulation 70mm Outer Leaf 2384mm width

### **Inner leaf Reinforcement:**

1xY7/70mm Mesh

### **Outer leaf Reinforcement:**

1xY8/75mm Mesh

#### Ribs:

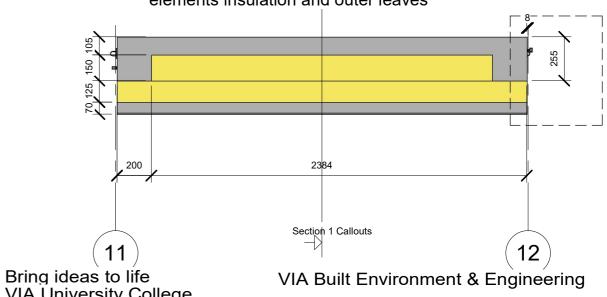
48xY6 Stirrups placed 25mm from edges 10xY12 Rebars (Inside stirrups and along mesh)

### □ Done on site:

The connection of loop boxes in done on site by overlapping chords and placing a reinforcement in the middle then filling up with concrete

Edges are then filled with two step backstop joint

170x16mm soft insulation between elements insulation and outer leaves



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PROJECT: Grejs Kulturcenter - ID05	DATE: 05/23/22	
SUBJECT: Element-Element connection	SCALE: As indicated	
DRAWN BY: Ana Araújo	CLASS:	

### **Element-Steel Beam detail**

# Element-Steel Beam connection:

HEB 300 placed 17mm from inner leaf, above opening and supported by columns
HTA-CE railing system attatched to inner leaf and steel beam by M20 screw (40x60x6)
Steel mesh formwork placed around steel beam and plastered with mortar

### **Sandwich Element:**

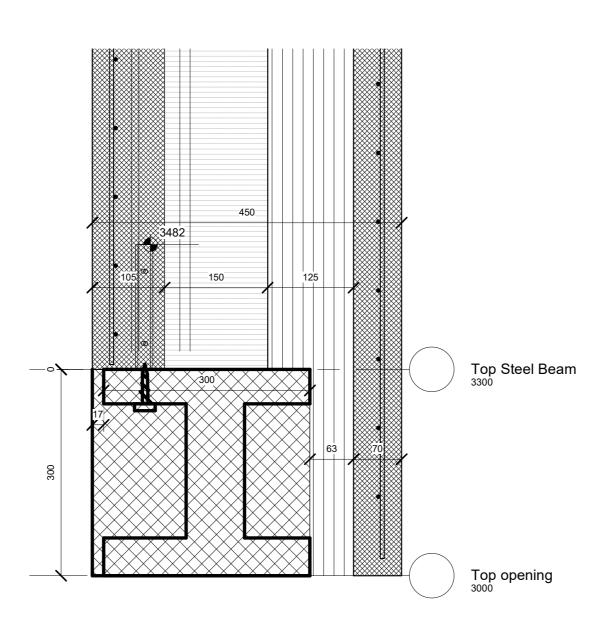
105mm Inner Leaf 275mm XPS Jackson Insulation 70mm Outer Leaf 1984mm width

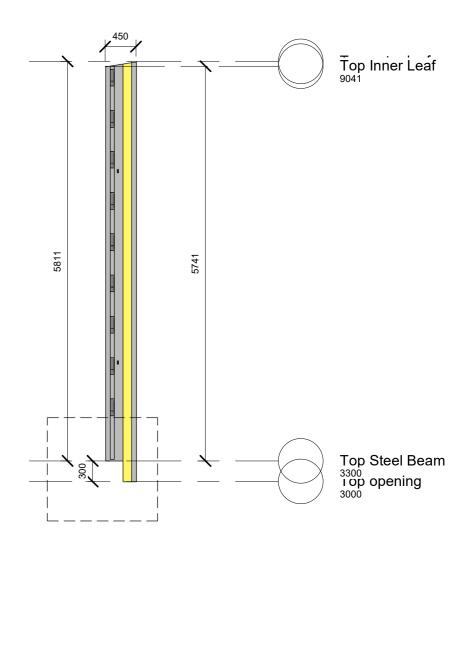
# Inner leaf Reinforcement:

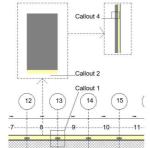
1xY7/70mm Mesh

### Outer leaf Reinforcement: 1xY8/75mm Mesh

Outer leaf starts at steel beam height (3000mm) 63mm of insulation besides outer leaf









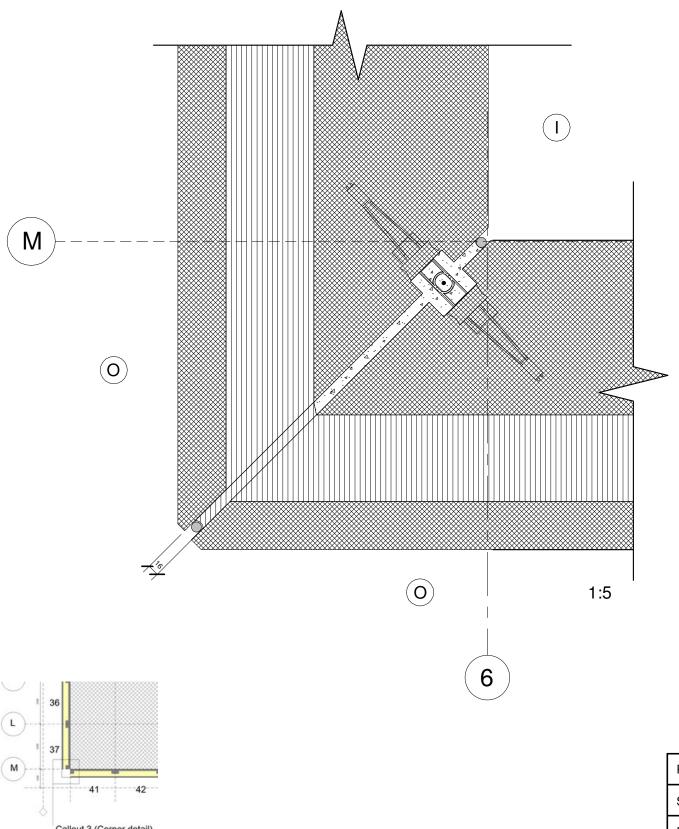
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Bottom element

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SUBJECT: Element- Steel Beam Connection	SCALE: As indicated	6
DRAWN BY: Ana Araújo	CLASS:	

## **Concrete corner detail**



### 2 prefabricated corner sandwich elements

45

Connected by 2 loopboxes with a rebar between them 16mm gap 2 ealstic seals at the ends of the gap Polystyrene is placed in the gap between insulations and outer leafs Gap between inner leafs is filled with mortar

### Sandwich element 450mm

105mm concrete inner leaf 200x255mm ribs 275mm XPS Jackon insulation 70mm outer leaf 2384mm width, 9111mm height



1xY7/70mm Mesh

### **Outer leaf Reinforcement:**

1xY8/75mm Mesh

Loop box

#### Ribs:

48xY6 Stirrups placed 25mm from edges 10xY12 Rebars (Inside stirrups and along mesh)

T	Тор	0	Outside
В	Bottom		Left
	Inside	(R)	Right

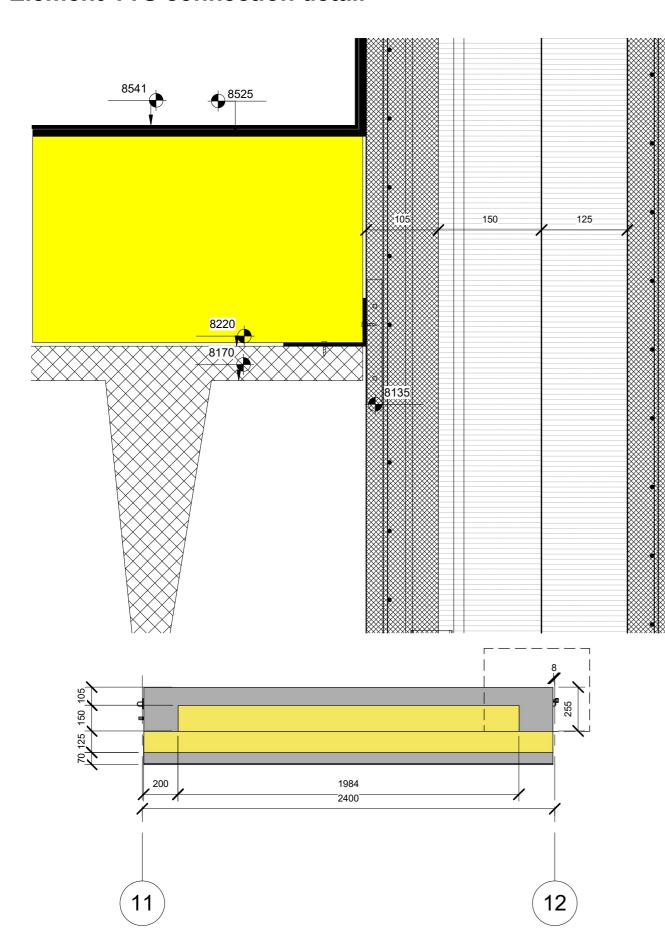


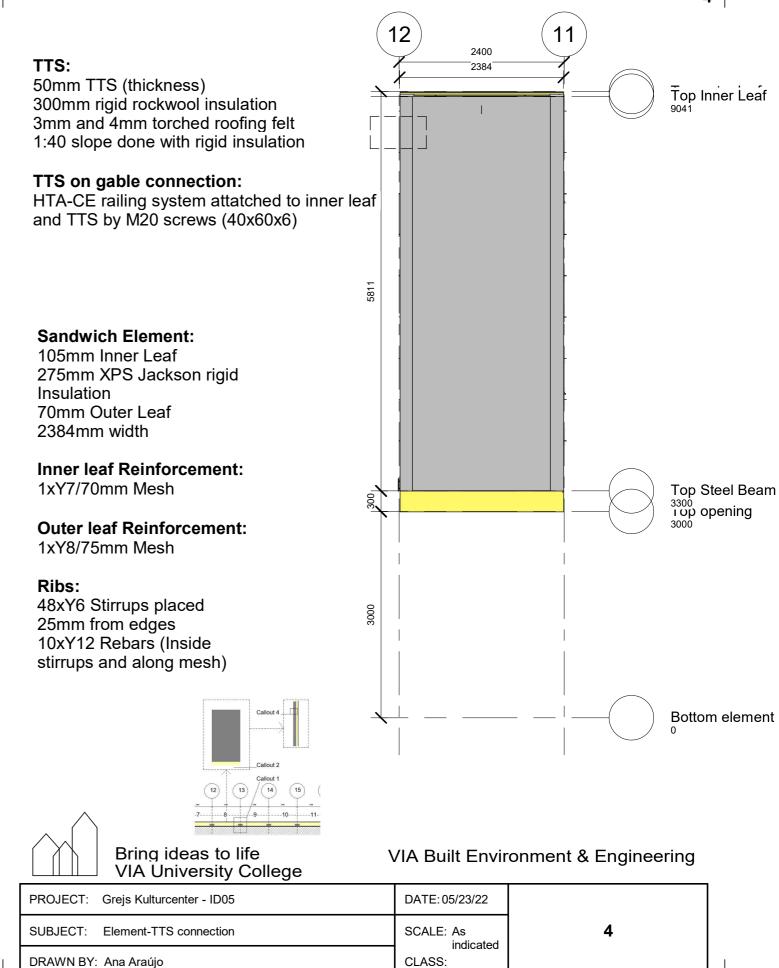
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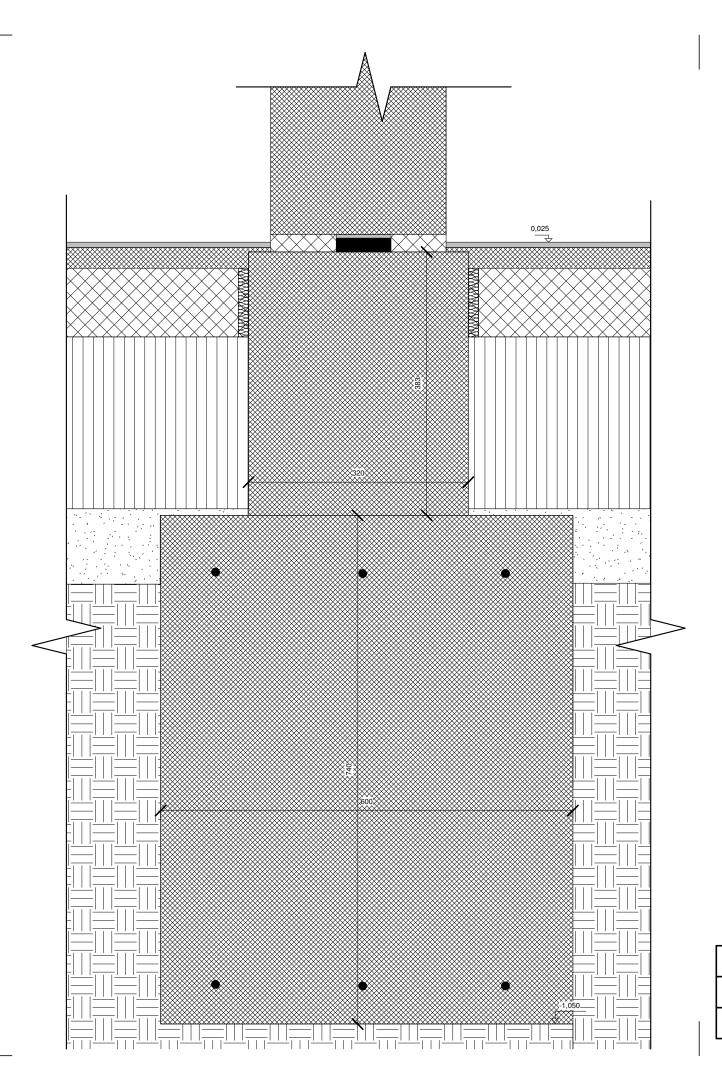
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PROJECT: Grejs Kulturcenter- IDO3	DATE: 06/10/22	
SUBJECT: Concrete corner detail	SCALE: As indicated	A125
DRAWN BY: Klaudia	CLASS:	

### **Element-TTS connection detail**







# Facade element/Foundation detail

Only inner leaf is connected to the foundation.

### **Ground supported slab:**

8mm Linoleum 30mm screed 100mm concrete slab 250mm polystyrene 100mm gravel

### Foundation:

Knudsen K-Klods 6T, white 5 mm adjusting plate, 5x50x80mm Knudsen K-Klods 6T, black 20 mm adjusting plate, 20x50x80mm The gap 25mm is filled with expanded concrete In-situ cast concrete 320x380mm, 15mm soft insulation on the sides to avoid cold bridge Reinforced concrete foundation footing 600x740mm 6 reinforment bars Ø12mm

Top outer leaf
9111

| lightweight roof level 3700 | 3700





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PROJECT: Grejs Kulturcenter- IDO3	DATE: 06/07/22	
SUBJECT: Element/foundation detail	SCALE: As indicated	A123
DRAWN BY: Klaudia	CLASS:	

## Facade element/ TTS connection detail

