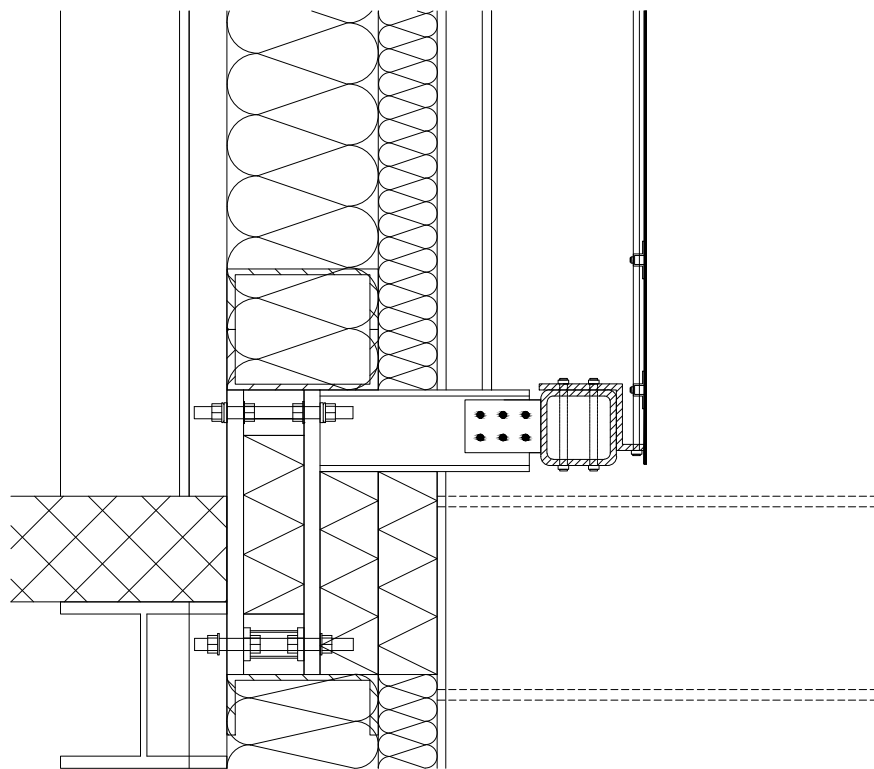
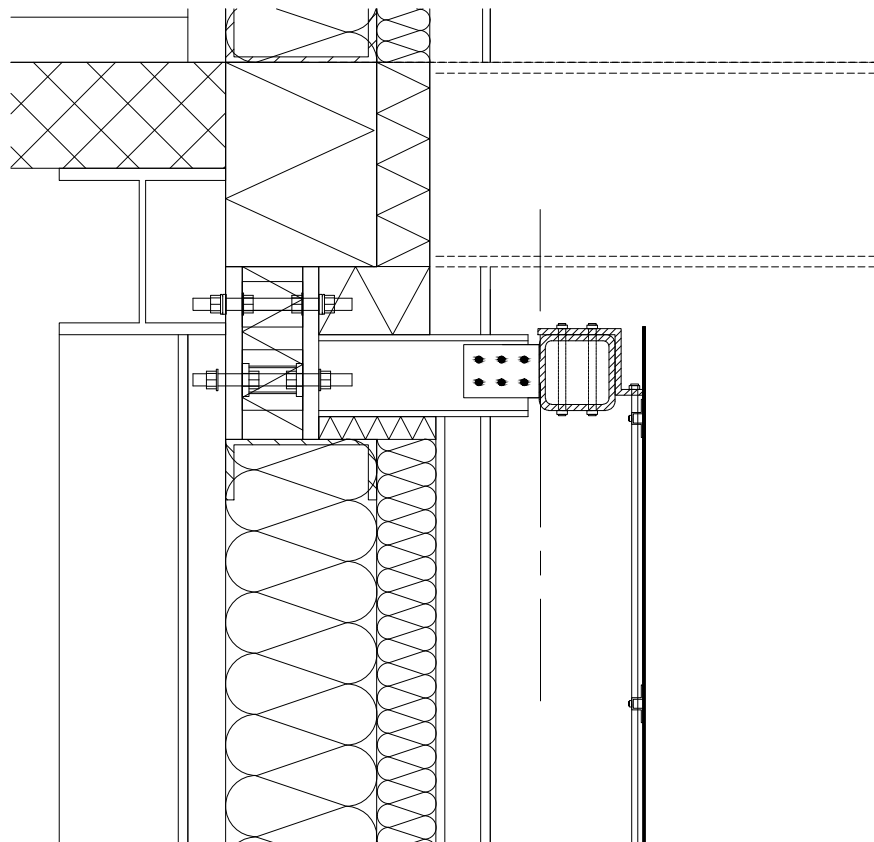
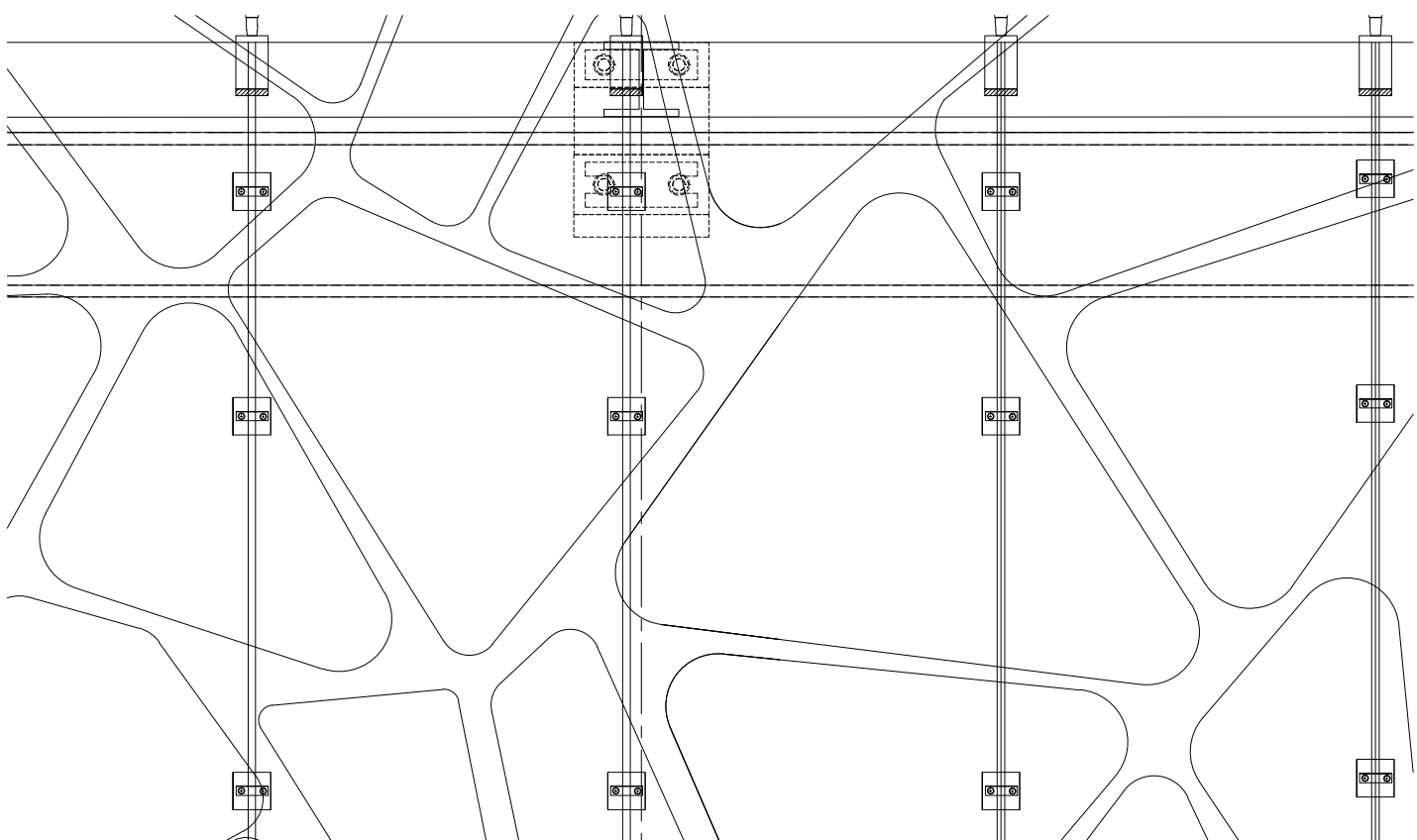




SCREEN SYSTEM/VERTICAL SECTION SCALE 1:10



100/100mm steel I beam
100/100/12mm galvanized steel SHS
44/9mm galvanized steel strip bent to shape
10mm steel rod
aluminium fixing plate
120/75/7mm galvanized steel angle
3 mm coated sheet aluminium panel

NOTES

Screen system

- fixing at the proper distance from the window, in order to avoid extensive area of shadow
- carrying structure should be resistant to wind load and any other forces which could work on it
- structure should be flexible in order to fix organic structure
- minimize cost of production of the perforation
- avoiding cold bridges in the connection
- fixing system should correspond with the balcony structure

Solutions:

-Steel profiles SHS - galvanized 100x100x14mm support the system of steel rods (10mm bars).Rods give flexible possibility of attaching screening into it by 50mm aluminum fixing plate. System is almost invisible and made from high quality galvanized steel. Supporting structure is attached to the load bearing system in the wall with the isokorb thermal breakage connection the same used in the balconies system.

Perforation is made by laser cutting in CNC process, it can reduce costs as the cad drawing will be already provided by the contractor company, special attention has to be paid into drawings of the structure as it will be base for its production.

Project name and address		Description	Scale
BALCONY STEEL FRAME			1:10
5th Semester project Moldevej 29-39 Vejle			
	Project No	Revision	
	Drawing type	Revision number	
	Designer	Drawn by AGNIESZKA KRASUSKA	