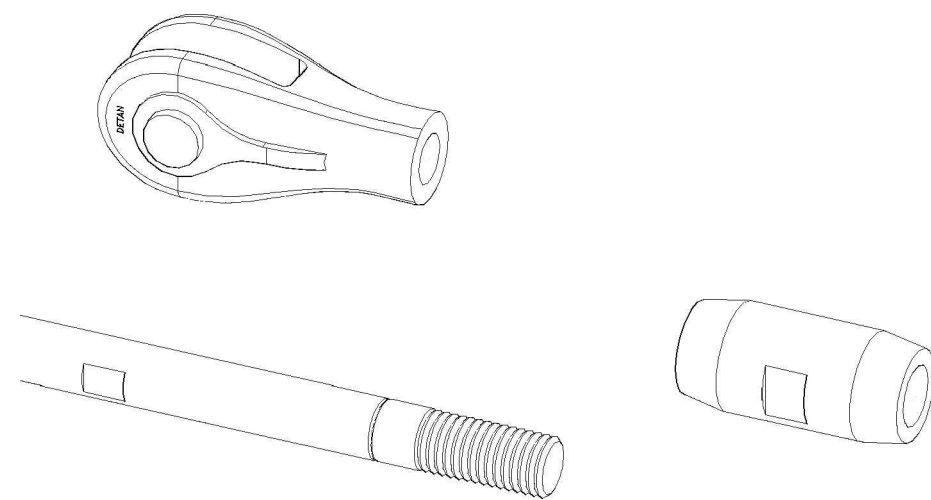
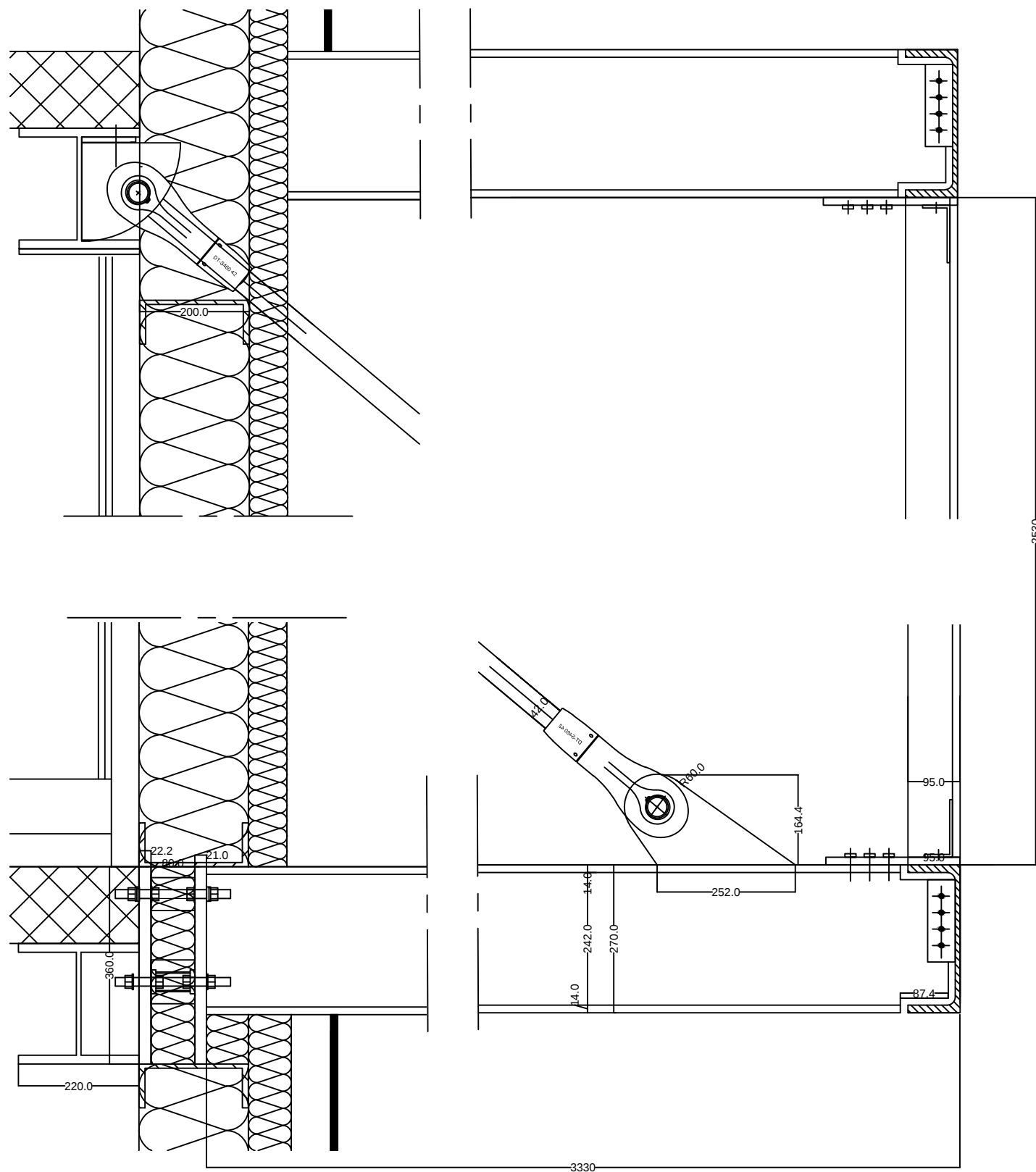
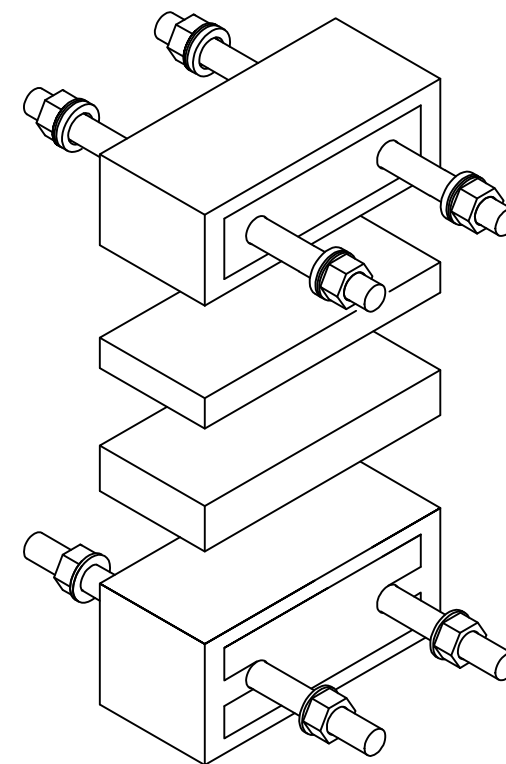




TIE ROD SYSTEM /DETAN/ HALFEN



ISOKORB STEEL TO STEEL CONNECTION

## NOTES

1.1 Steel frame of the balcony ,  
steel HE-A profiles should be fixed with  
the use of thermally efficient load  
bearing connection and tie rod system

- Steel plates of 360x320x21mm  
should be welded into HE-A profile at  
the beam load bearing structure in  
the wall, the same end plate has to  
be placed at the HE-A profiles which  
will be frame construction for the  
balcony. In the end plate should be  
made perforated holes allowing  
fixing load bearing connection in  
between.
- After welding the plate into the beam  
structure in the wall Isokorb modules  
should be screwed into the plate,  
there should be at least 2 rows and 2  
columns of the fixing modules,  
according to the drawings.
- After placing the modules on the  
beam polystyrene insulation  
adapters should be placed in  
between.
- As the last step HE beam ending  
plate needs to be fixed to the other  
side of the adapter.
- At the same time connection plate  
for the tie rod system should be  
welded into load bearing beam in the  
wall and at the end of the steel HE-A  
balcony beams.
- After supporting the structure with  
tension rod system columns should  
be welded by the steel plates placed  
at the end of the steel Beam.

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