

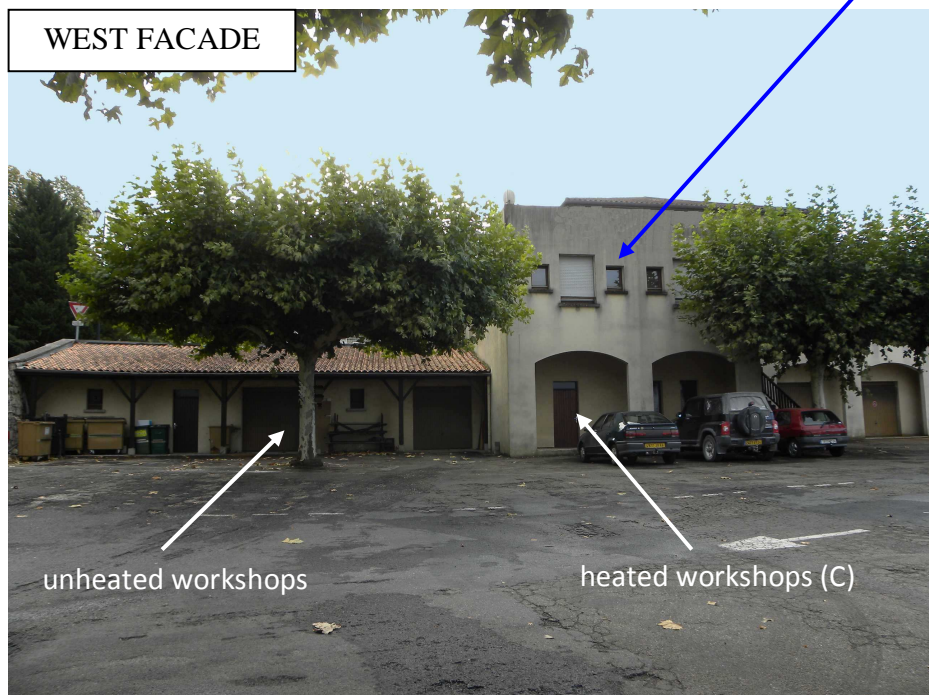
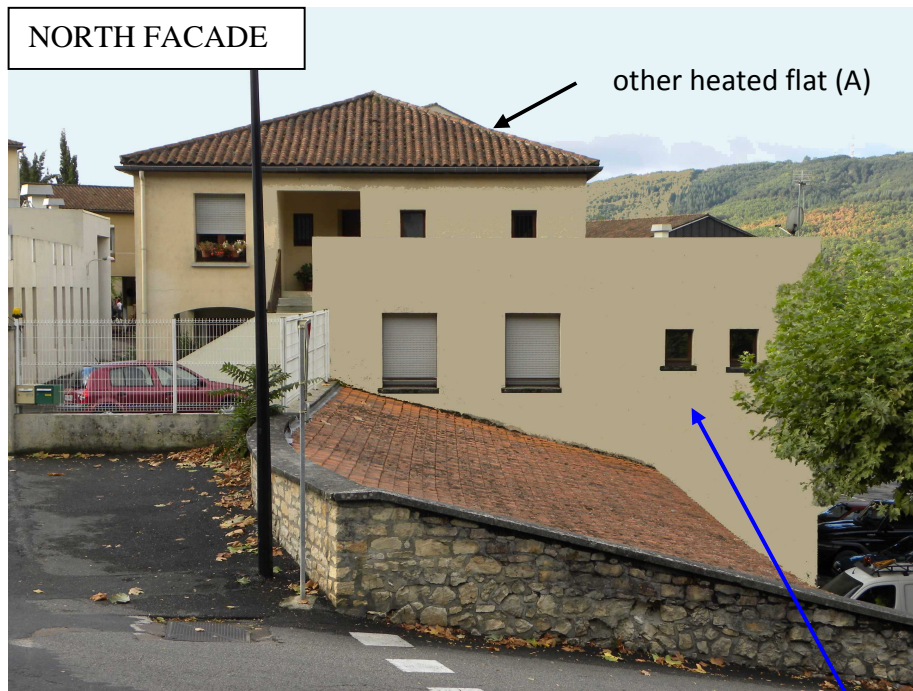
## 1. Project Description

For our coming seminar (**France 1**), our study deals with a flat located on the second floor of a 3 storey-building with some particularities.

On the ground floor, the city of Souillac has some heated workshops (C).

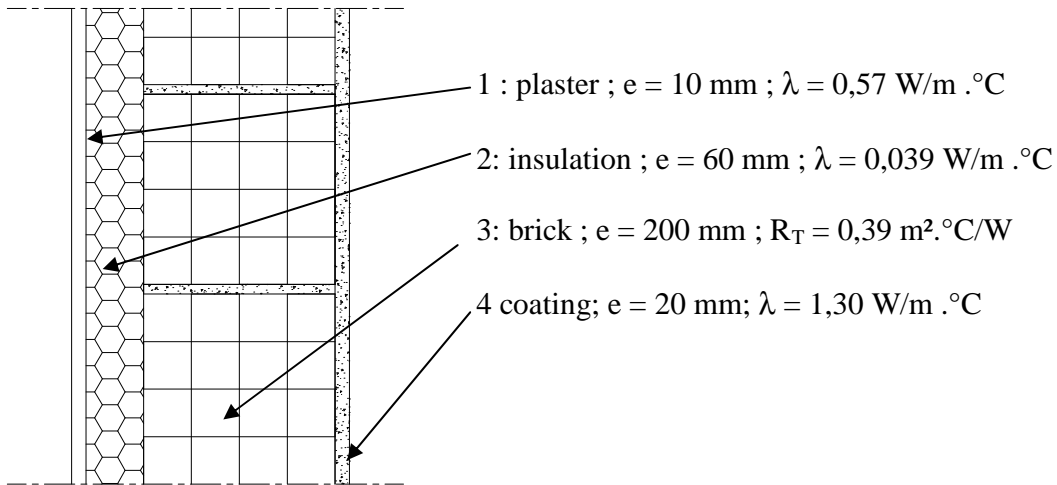
The flat that we must study has two types of upper floors: an upper floor under terrace and another one under a private heated flat.

There are also two types of lower floors: one lower floor below the heated workshops and another one below outside air as you can see on page 4.

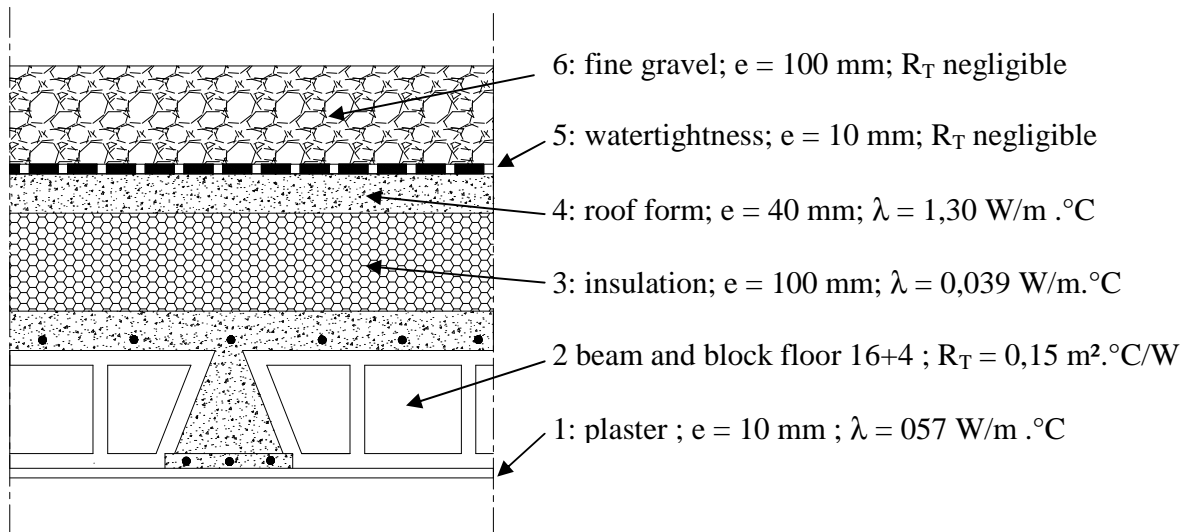


## **2. Partition and floor description: Flat for E.P.D (B)**

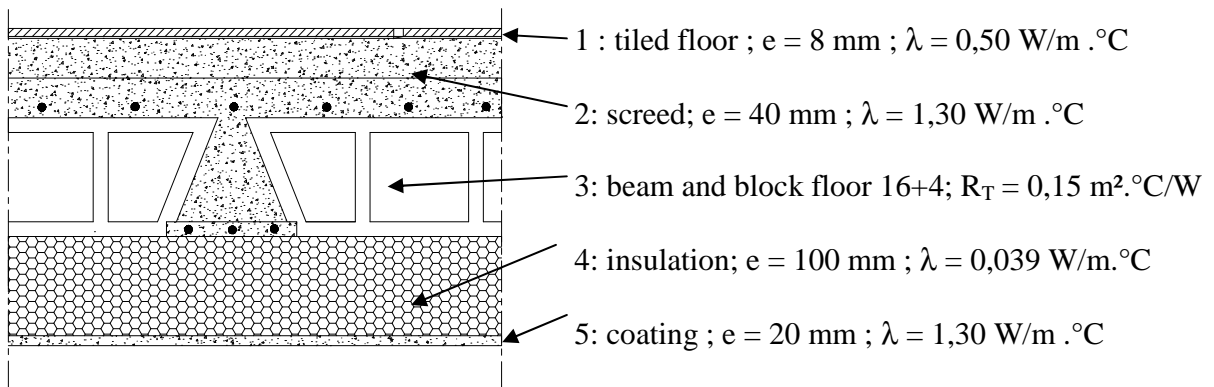
### **1.1) External brick walls**



### **1.2) Upper floor below terrace**

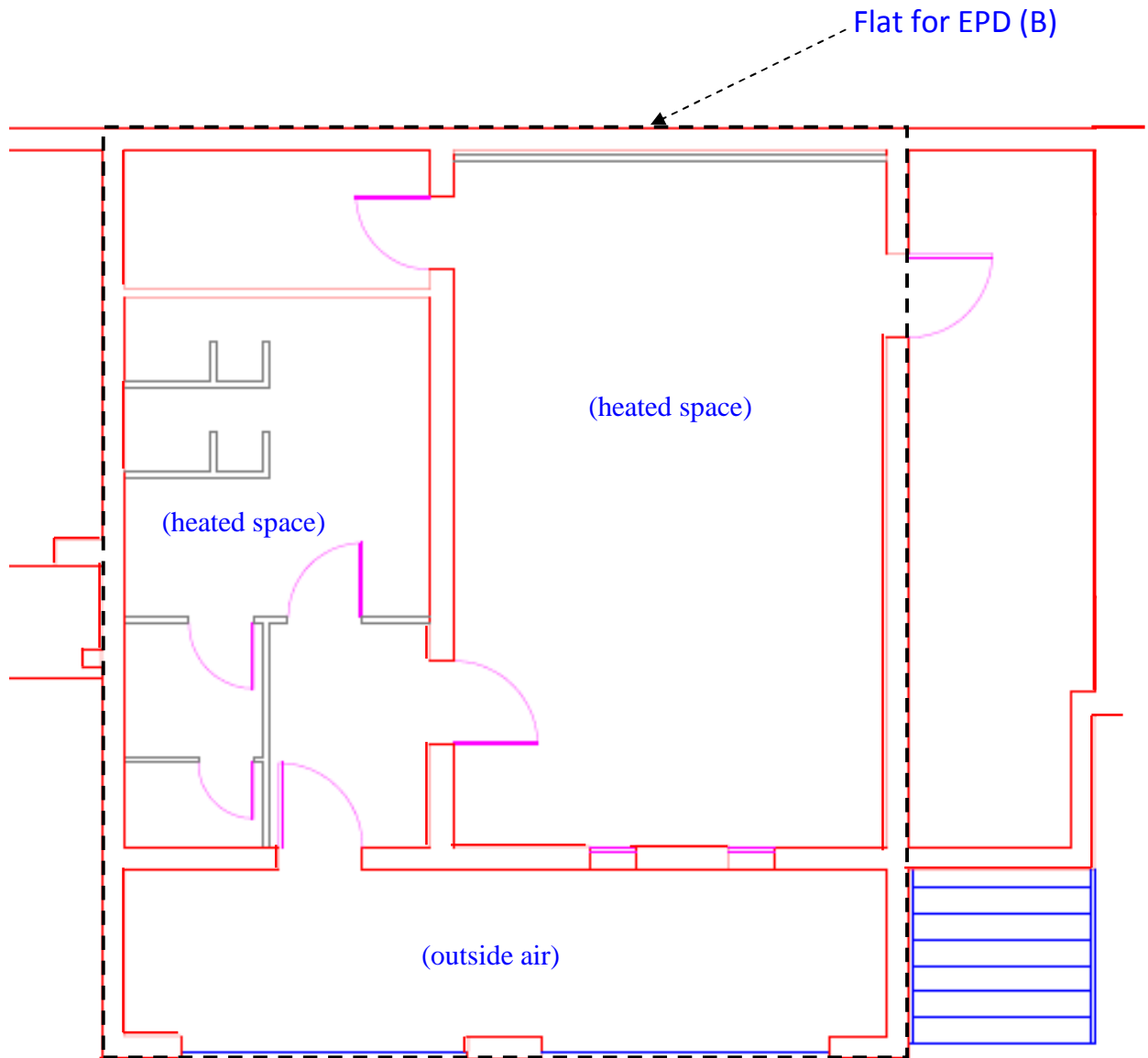


### **1.3) Lower floor over outside air**

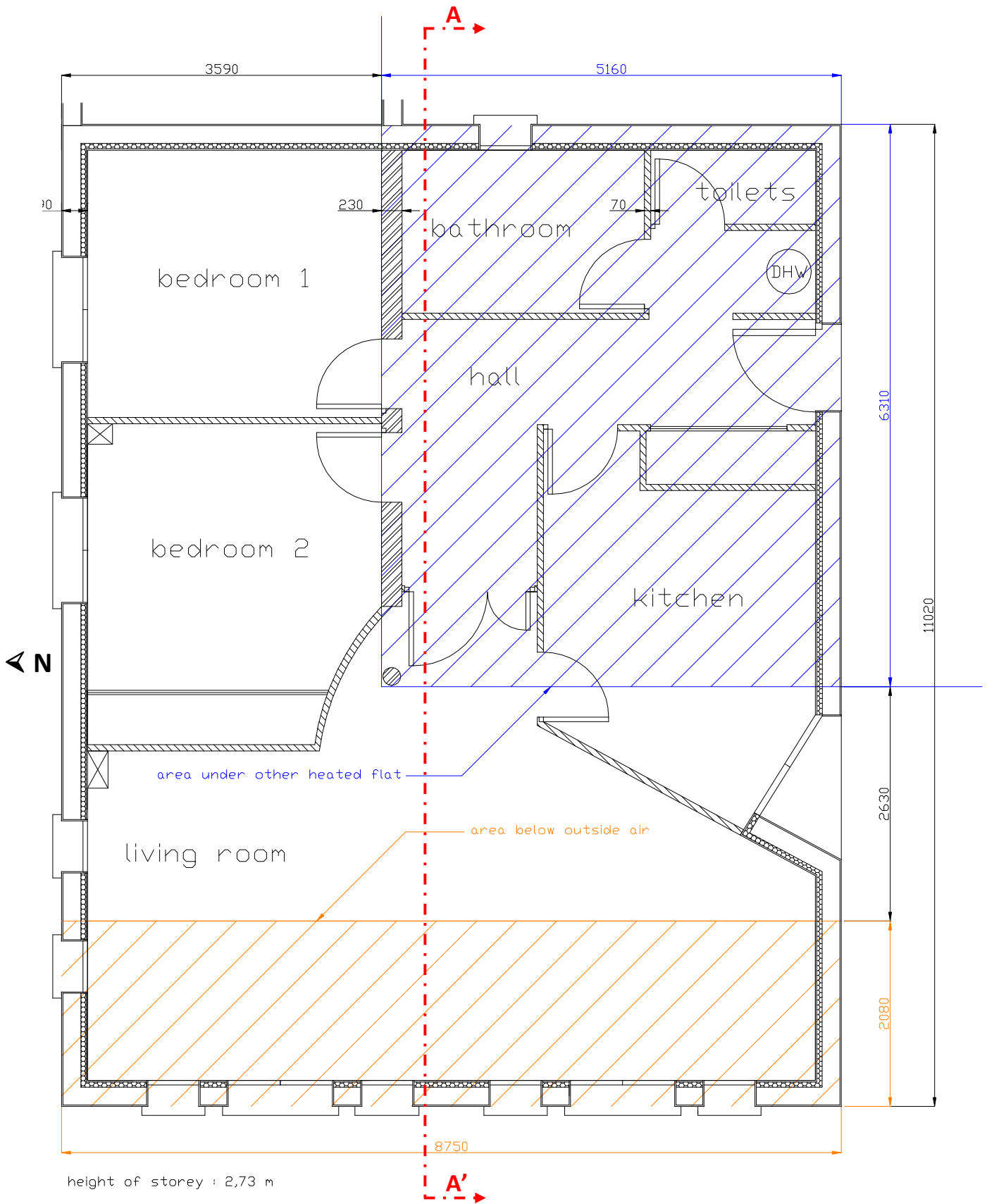


## 2. Storeys: Flat for E.P.D (B)

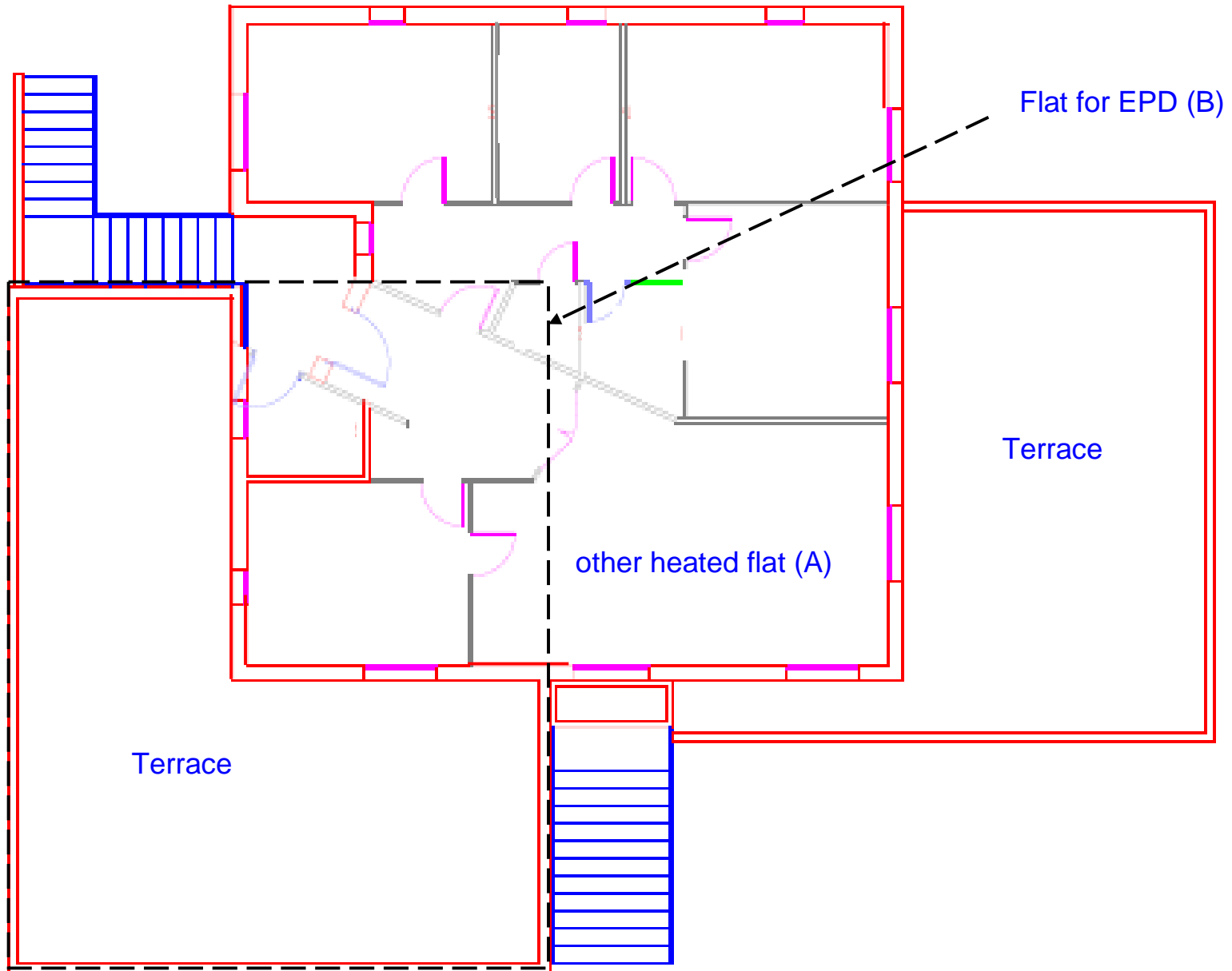
### 2.1) Ground Floor : Souillac's Municipality heated workshops (C)



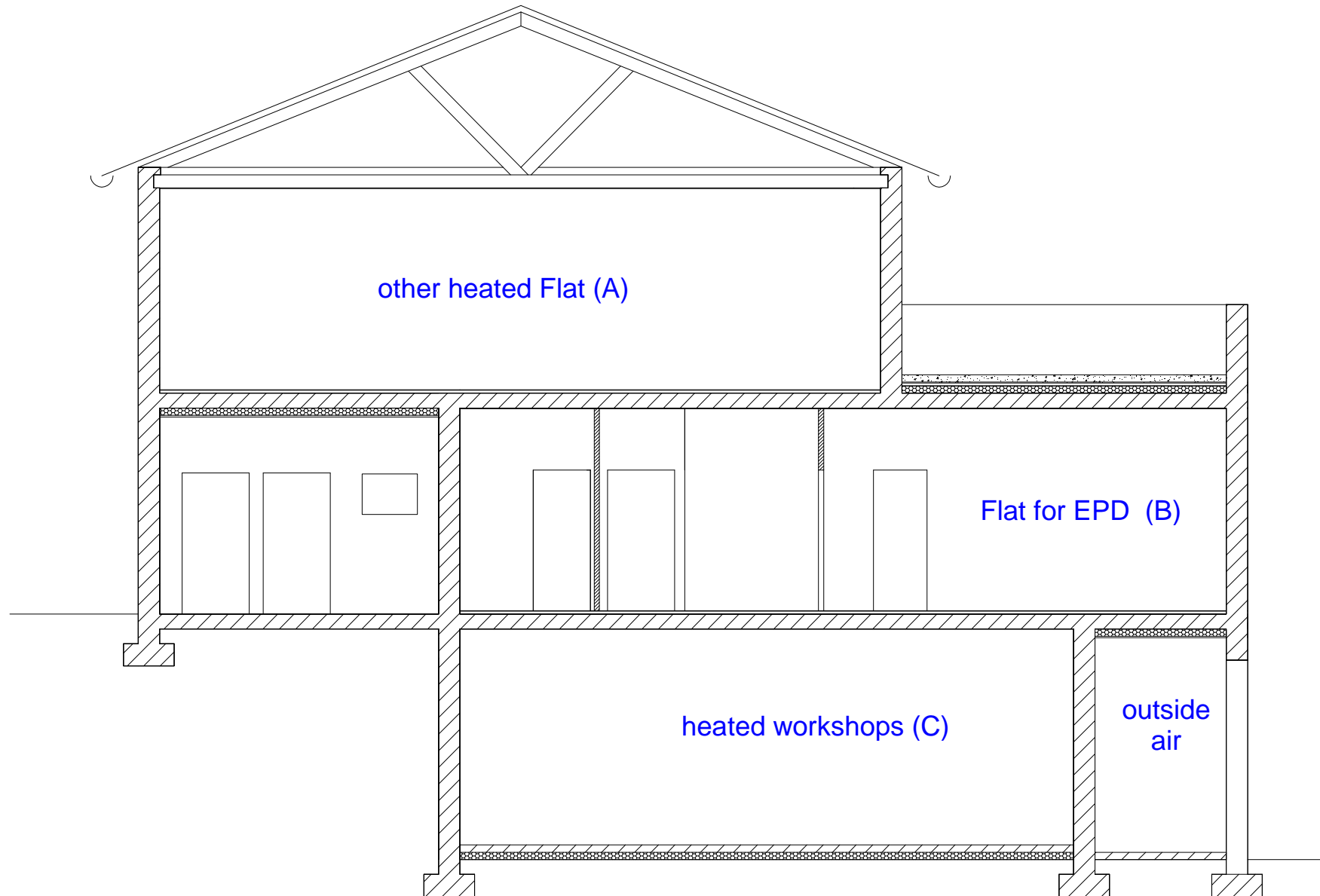
**2.2) 1st level : Flat for E.P.D. (B)**



**2.3) 2<sup>nd</sup> Level : Terrace and other heated flat (A)**



**2.4) Cross section AA'**



### 3 Your homework !

You can find some input in the file “uncompleted data capture France 1”.

We have **deliberately** left some input uncompleted so that we get as close as possible of real E.P.D performance conditions. That means that you will have to make some measurements by yourself in the flat on “D-Day”!

What you are expected to do by now and to come with in your school bag for the seminar in Souillac is:

#### **1) For France 1 seminar:**

- a) find your equivalent climatic zone,
- b) calculate the three thermal coefficients U values (outside walls; lower floor and upper floor),

#### **2) To close the seminar in Sliven**

- c) complete for some of you, the lexicon,
- d) realize the thermal balance of the flat in Sliven and complete the leaf “**output**” for the “uncompleted data capture Sliven”,

The results of this assignment are expected by Monday 4<sup>th</sup> October.  
Thank you to respect this deadline.

#### **3) For our THERMOVALorisation project:**

Following our two seminars wiki-space should be completed and updated with all the important documents, presentations and so on.

#### **4) Remember the e-mail of Marie-Christine (sunday 12th september 19:55)**

4.1) Each delegation will

- perform an EPD on the same apartment (with infrared camera)
- input their EPD data into their own software (for example DPE WIN for France)
- present the results to all delegations

4.2) In different workshops all delegation experts will

- analyze the differences
- draw up an operating mode for the EPDIR+ (EPD + INFRARED)
- work on the elaboration of the contents of a European vocational training common to the job of EPD diagnostician.

4.3) The equipment that we would like you to bring with you is: an IR camera and a rangefinder with dedicated software