

Click on ellipsis to Browse

Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder

Modell T: Building modeller

CompLib: Component modeller

Untitled

File Edit View Settings Draw Utilities Help

Colour 01 Layer 01

Model

No spaces

New Project

Project Templates

Project name:

Example01

Location:

H:\ProjectM2\

Create

Close

H Drive – note large files can be created

Thermal

Lighting

Solar

Value

Cost

Evacuation

Mechanical

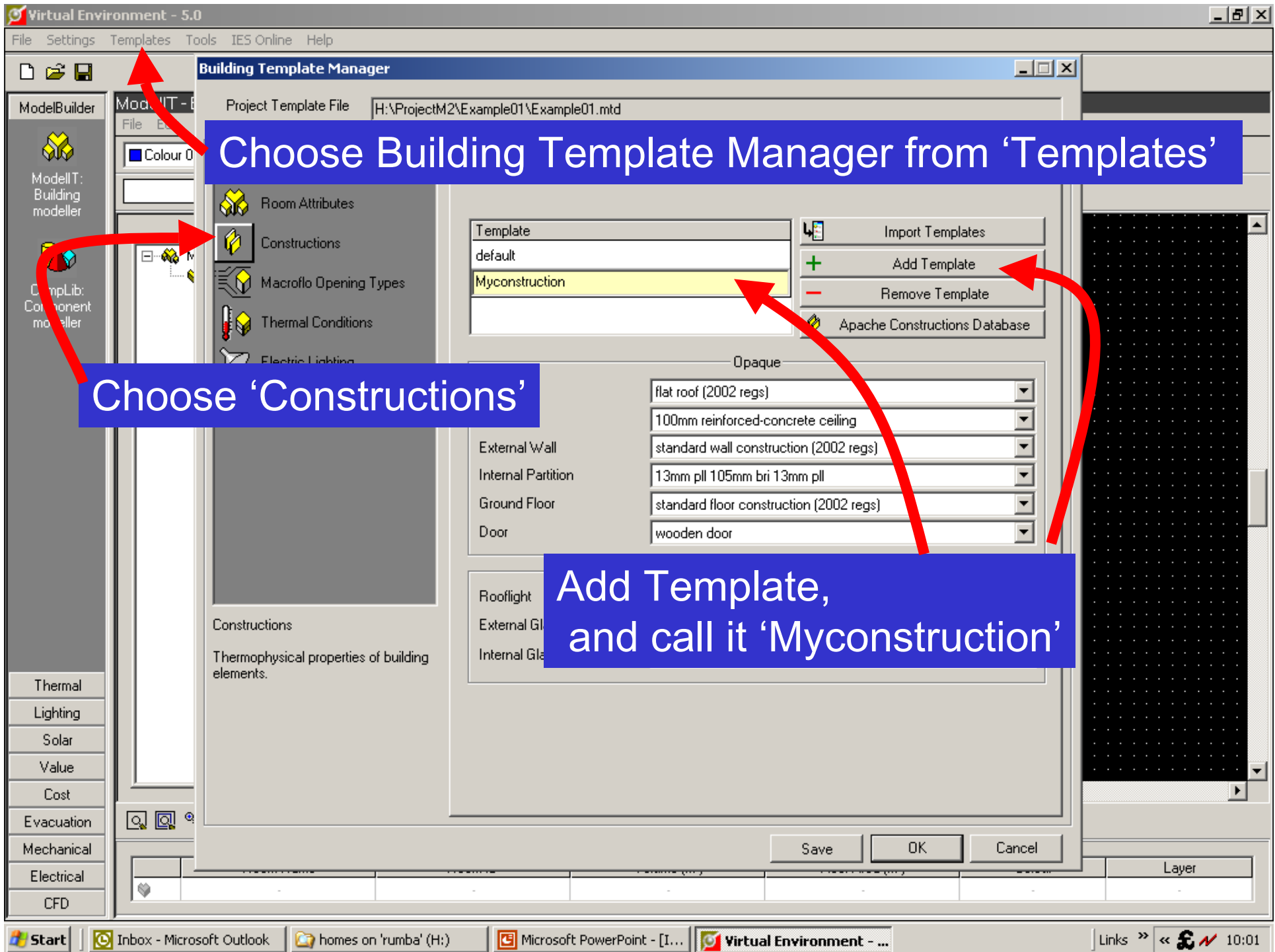
Electrical

CFD

Plan Model -16.50, 3.50, 0.00

	Room Name	Room ID	Volume (m³)	Floor Area (m²)	Colour	Layer
♥						

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I...] | Virtual Environment - ... | Links » 09:58



Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder ModelIT - E

File Edit

Colour 0

ModellT: Building modeller

CompLib: Component modeller

Thermal

Lighting

Solar

Value

Cost

Evacuation

Mechanical

Electrical

CFD

Building Template Manager

Project Template File: H:\ProjectM2\Example01\Example01.mtd

Template Types

- Room Attributes
- Constructions
- Macroflo Opening Types
- Thermal Conditions
- Electric Lighting
- Radiance Surface Properties

Constructions

Template	Import Templates
default	+ Add Template
Myconstruction	- Remove Template
	Apache Constructions Database

Opaque

Element	Value
Roof	flat roof (2002 regs)
Ceiling	concrete ceiling
External Glazing	glazing (2002 regs)
Internal Glazing	8mm pll
Ground	glazing (2002 regs)
Door	

Glazed

Element	Value
Rooflight	low-e double glazing (6mm+6mm) (2002 regs)
External Glazing	low-e double glazing (6mm+6mm) (2002 regs)
Internal Glazing	4mm Pilkington single glazing

Constructions

Thermophysical properties of building elements.

Save OK Cancel

Layer

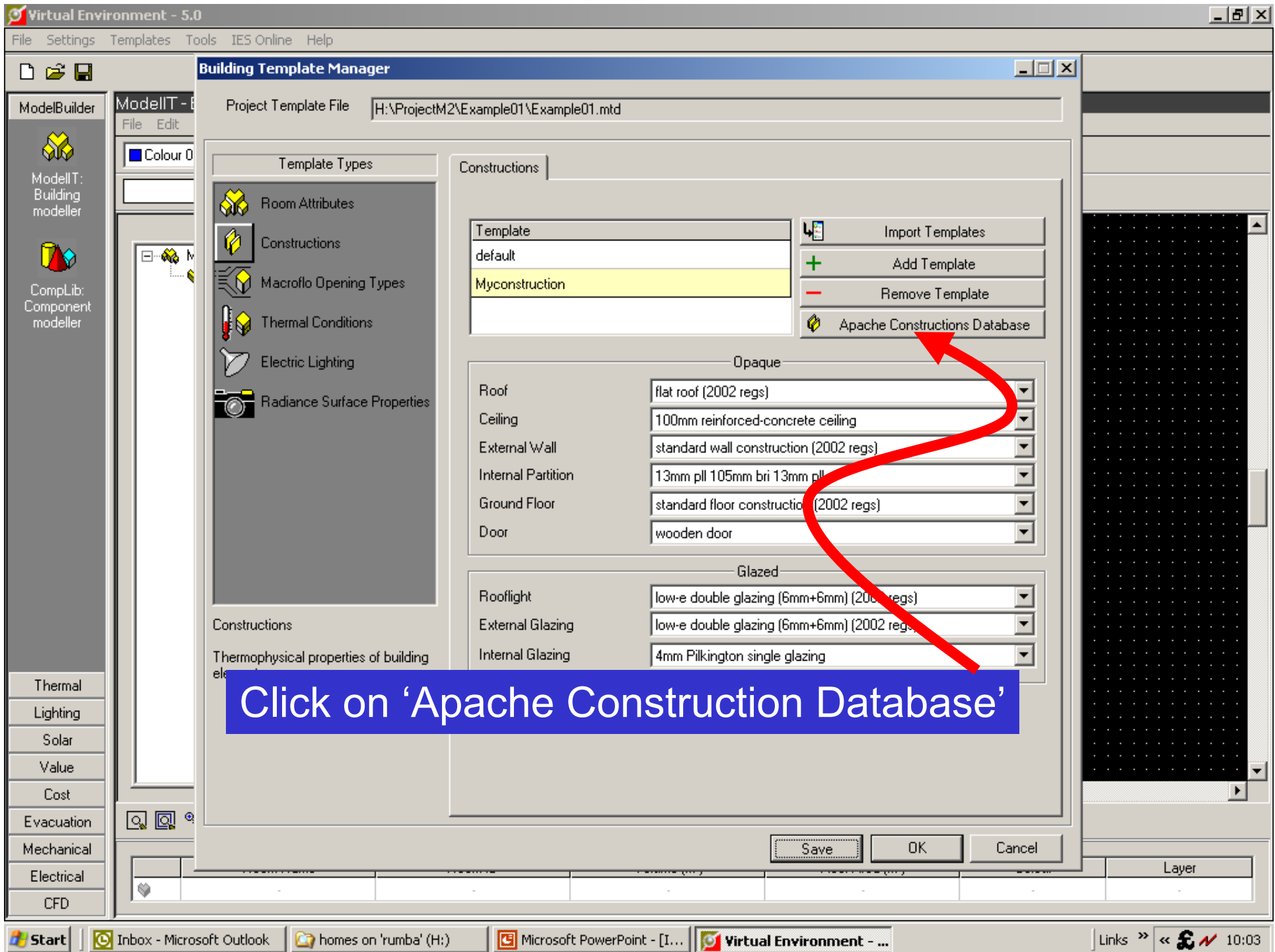
modx

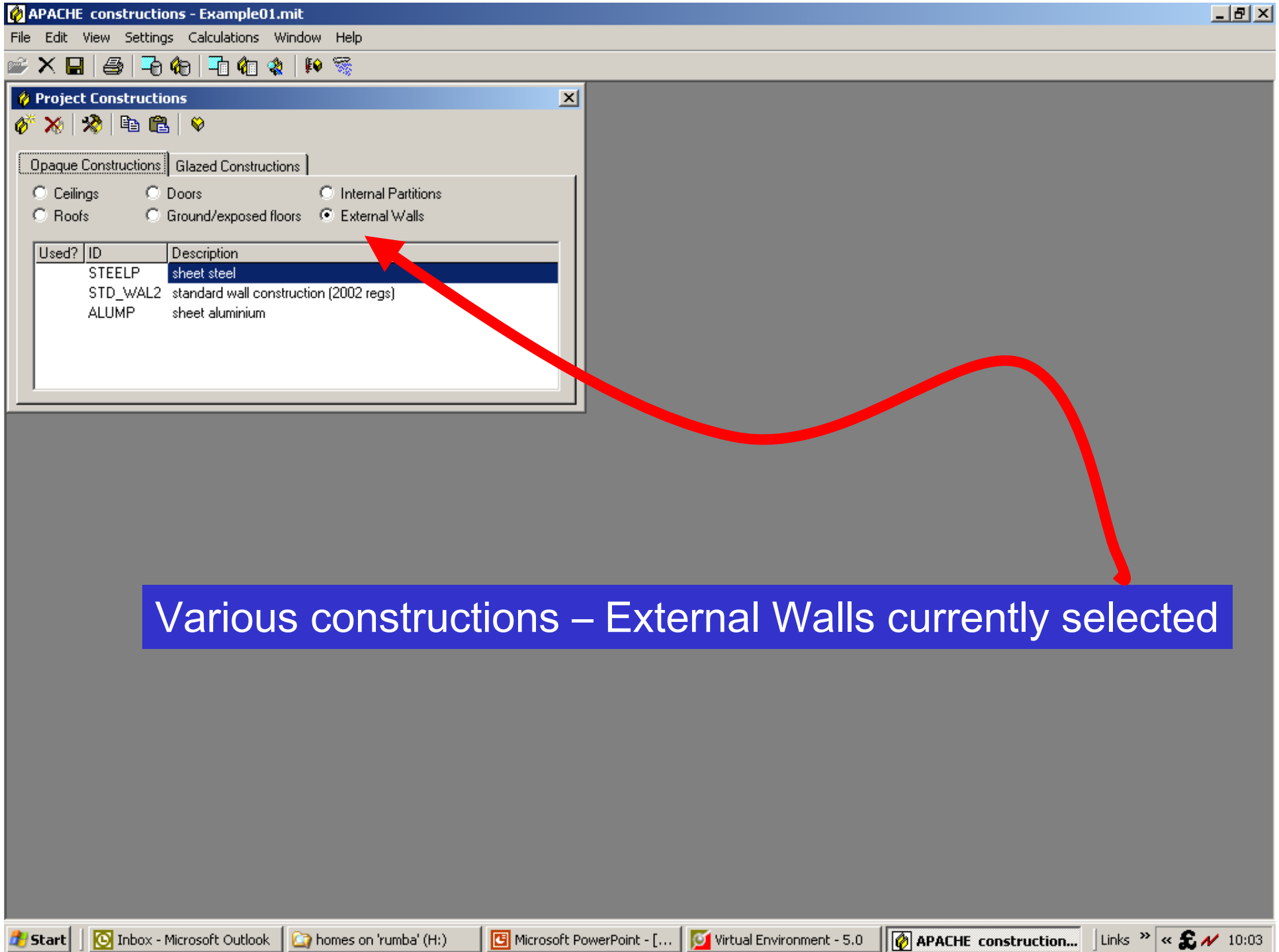
Template file successfully saved

OK

Save to ensure you don't loose

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I... | Virtual Environment - ... | Links » << 10:02





Various constructions – External Walls currently selected

Used?	ID	Description
	STEELP	sheet steel
	STD_WAL2	standard wall construction (2002 regs)
	ALUMP	sheet aluminium

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

Remove selected construction

Ceilings Doors Internal Partitions

Roofs Ground/exposed floors External Walls

Used?	ID	Description
	STEELP	sheet steel
	STD_WAL2	standard wall construction (2002 regs)
	ALUMP	sheet aluminium

Move cursor over symbol to discover its function

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » << 10:05

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

Show rooms used

Paste construction into this category

Copy selected construction

Edit selected construction

Remove selected construction

Add a new construction to this category

Used?	ID	Description
	STEELP	sheet steel
	STD_WAL2	standard wall construction (2002 regs)
	ALUMP	sheet aluminium

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » << 10:04

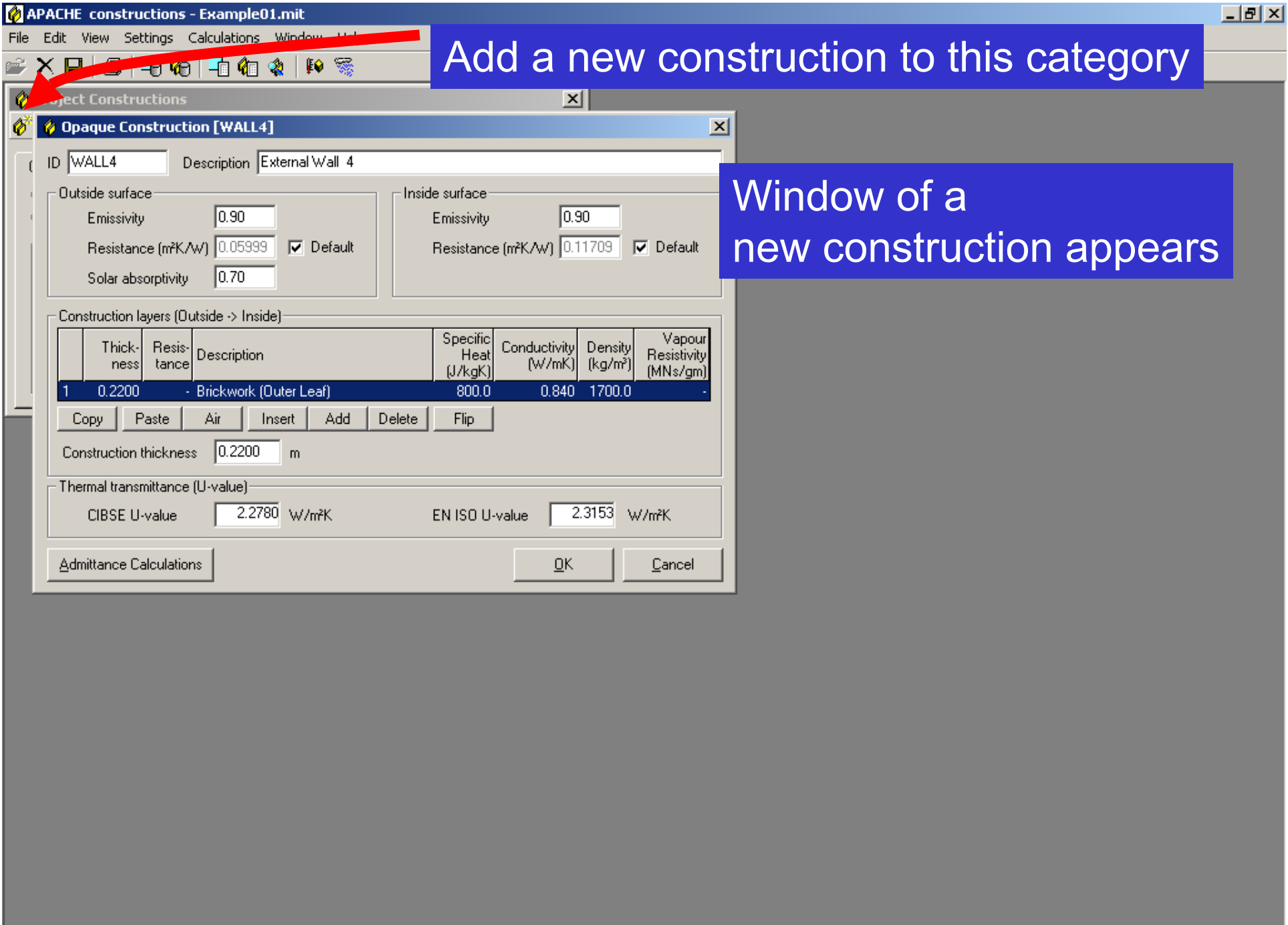
The screenshot shows the APACHE construction software interface. The window title is "APACHE constructions - Example01.mit". The menu bar includes File, Edit, View, Settings, Calculations, Window, and Help. The toolbar contains icons for file operations and construction management. The main window is titled "Project Const" and contains a "System materials (opaque +glass)" section. Below this, there are radio buttons for "Opaque Constructions" and "Glazed Construction". Under "Opaque Constructions", there are radio buttons for "Ceilings", "Doors", "Internal Partitions", "Roofs", "Ground/exposed floors", and "External Walls". A table lists the used constructions:

Used?	ID	Description
	ST_ELP	sheet steel
	STD_WAL2	standard wall construction (2002 mm)
	ALUMP	sheet aluminum

Red arrows point from various callout boxes to specific features in the software interface:

- Condensation prediction**: Points to the "Calculations" menu item.
- Admittance calculations**: Points to the "Calculations" menu item.
- Find construction**: Points to the "Find" icon in the toolbar.
- List all constructions in the project**: Points to the "List" icon in the toolbar.
- List all materials used in project**: Points to the "List" icon in the toolbar.
- System constructions**: Points to the "System constructions" section header.
- System materials (opaque +glass)**: Points to the "System materials (opaque +glass)" section header.

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft Outlook, homes on 'rumba' (H:), Microsoft PowerPoint - [...], Virtual Environment - 5.0), and the current application (APACHE construction...). The system clock shows 10:07.



APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

Opaque Constructions | Glazed Constructions

Ceiling Doors Internal Partitions
 Roofs Ground/exposed floors External Walls

Used?	ID	Description
	STD_WAL2	standard wall construction (2002 regs)
	STEELP	sheet steel
	ALUMP	sheet aluminium
	WALL4	External Wall 4

Change name of the new wall

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface: Emissivity: 0.90 Resistance (m²K/W): 0.05999 Default Solar absorptivity: 0.70

Inside surface: Emissivity: 0.90 Resistance (m²K/W): 0.11709 Default

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistivity (MN ² /gm)
1	0.2200	-	Brickwork (Outer Leaf)	800.0	0.840	1700.0	-

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.2200 m

Thermal transmittance (U-value): CIBSE U-value: 2.2780 W/m²K EN ISO U-value: 2.3153 W/m²K

Admittance Calculations OK Cancel

To Add some new layers to this wall click on ' System Materials' data base

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links >> << 10:12

Project Constructions

System materials

Category: ASPHALTS & OTHER ROOFING

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/gm)
AMR	ASPHALT MASTIC ROOFING	837.0	1.150	2325.0	
RF	ROOFING FELT	837.0	0.190	960.0	
F/B	FELT/BITUMEN LAYERS	1000.0	0.500	1700.0	
ASP	ASPHALT	1000.0	0.500	1700.0	
ACSH	ASBESTOS CEMENT SHEET	1050.0	0.360	700.0	
ACED	ASBESTOS CEMENT DECKING	1050.0	0.360	1500.0	

Opaque Constructions | Glazed Const...

Ceilings Doors
 Roofs Ground/expose...

Used?	ID	Description
	STD_WAL2	standard wall c...
	STEELP	sheet steel
	ALUMP	sheet aluminu...
	WALL4	External Wall

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface

Emissivity: 0.90

Resistance (m²K/W): 0.05999 Default

Solar absorptivity: 0.70

Inside surface

Emissivity: 0.90

Resistance (m²K/W): 0.11709 Default

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/gm)
1	0.2200	-	Brickwork (Outer Leaf)	800.0	0.840	1700.0	-

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.2200 m

Thermal transmittance (U-value)

CIBSE U-value: 2.2780 W/m²K EN ISO U-value: 2.3153 W/m²K

Admittance Calculations OK Cancel

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

System materials

Category: ASPHALTS & OTHER ROOFING

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MNs/gm)
AMR	ASPH	837.0	1.150	2395.0	
RF	ROOF	837.0	0.190	960.0	
F/B	FLOOR	1000.0	0.500	1700.0	
ASP	ASPH	1000.0	0.500	1700.0	
ACSH	ASBESTOS CEMENT SHEET	1050.0	0.360	700.0	
ACED	ASBESTOS CEMENT DECKING	1050.0	0.360	1500.0	

Used? ID Description

	STD_WAL2	standard wall c
	STEELP	sheet steel
	ALUMP	sheet aluminu
	WALL4	External Wall

Opaque Constructions Glazed Const

Ceilings Doors

Roofs Ground/expose

Select 'Plaster' from the Category list

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface

Emissivity: 0.90

Resistance (m²K/W): 0.05999 Default

Solar absorptivity: 0.70

Inside surface

Emissivity: 0.90

Resistance (m²K/W): 0.11709 Default

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MNs/gm)
1	0.2200	-	Brickwork (Outer Leaf)	800.0	0.840	1700.0	-

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.2200 m

Thermal transmittance (U-value)

CIBSE U-value: 2.2780 W/m²K

EN ISO U-value: 2.3153 W/m²K

Admittance Calculations

OK Cancel

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

System materials

Category: PLASTER

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistivity (MN/gm)
PLD	PLASTER (DENSE)	1000.0	0.500	1300.0	
PLL	PLASTER (LIGHTWEIGHT)	1000.0	0.160	600.0	
GPB	GYPSUM PLASTERBOARD	840.0	0.160	950.0	
PPB	PERLITE PLASTERBOARD	837.0	0.180	800.0	
GPL	GYPSUM PLASTERING	837.0	0.420	1200.0	
PPL	PERLITE PLASTERING	837.0	0.080	400.0	
VPL	VERMICULITE PLASTERING	837.0	0.200	720.0	

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface: Emissivity: 0.90, Resistance (m²K/W): 0.05999, Solar absorptivity: 0.70

Inside surface: Emissivity: 0.90, Resistance (m²K/W): 0.11709

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistivity (MN/gm)
1	0.2200		Brickwork (Outer Leaf)	800.0	0.840	1700.0	

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.2200 m

Thermal transmittance (U-value): CIBSE U-value: 2.2780 W/m²K, EN ISO U-value: 2.3153 W/m²K

Admittance Calculations

OK Cancel

‘Plaster’ Category

Highlight ‘Gypsum Plasterboard’ by clicking on it

Copy by clicking on ‘Copy’ symbol

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » 10:16



Project Constructions

Opaque Constructions | Glazed Const

Ceilings Doors
 Roofs Ground/expose

Used?	ID	Description
	STD_WAL2	standard wall c
	STEELP	sheet steel
	ALUMP	sheet aluminu
	WALL4	External Wall

System materials

Category: PLASTER

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/gm)
PLD	PLASTER (DENSE)	1000.0	0.500	1300.0	
PLL	PLASTER (LIGHTWEIGHT)	1000.0	0.160	600.0	
GPB	GYPSUM PLASTERBOARD	840.0	0.160	950.0	
PPB	PERLITE PLASTERBOARD	837.0	0.180	800.0	
GPL	GYPSUM PLASTERING	837.0	0.420	1200.0	
PPL	PERLITE PLASTERING	837.0	0.080	400.0	
VPL	VERMICULITE PLASTERING	837.0	0.200	720.0	

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface: Emissivity 0.90, Resistance (m²K/W) 0.05999, Solar absorptivity 0.70
 Inside surface: Emissivity 0.90, Resistance (m²K/W) 0.11709

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/gm)
1	0.2200		Brickwork (Outer Leaf)	800.0	0.840	1700.0	

Construction thickness: 0.2200 m

Thermal transmittance (U-value): CIBSE U-value 2.2780 W/m²K

Click on 'Add' to add 'Gypsum' layer to wall

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

System materials

Category: PLASTER

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/gm)
PLD	PLASTER (DENSE)	1000.0	0.500	1300.0	
PLL	PLASTER (LIGHTWEIGHT)	1000.0	0.160	600.0	
GPB	GYPSUM PLASTERBOARD	840.0	0.160	950.0	
PPB	PERLITE PLASTERBOARD	837.0	0.180	800.0	
GPL	GYPSUM PLASTERING	837.0	0.420	1200.0	
PPL	PERLITE PLASTERING	837.0	0.080	400.0	
VPL	VERMICULITE PLASTERING	837.0	0.200	720.0	

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface: Emissivity: 0.90 Resistance (m²K/W): 0.05999 Solar absorptivity: 0.70

Inside surface: Emissivity: 0.90 Resistance (m²K/W): 0.11709

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m³)	Vapour Resistivity (MN/g)
1	0.2200	-	Brickwork (Outer Leaf)	800.0	0.840	1700.0	
2	0.1000	-	GYPSUM PLASTERBOARD	840.0	0.160	950.0	

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.3200 m

Thermal transmittance: CIBSE U-value

Admittance Calculations

OK Cancel

Note it has added onto the inside side of Brickwork

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

System materials

Category: PLASTER

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistivity (MN/gm)
PLD	PLASTER (DENSE)	1000.0	0.500	1300.0	
PLL	PLASTER (LIGHTWEIGHT)	1000.0	0.160	600.0	
GPB	GYPSUM PLASTERBOARD	840.0	0.160	950.0	
PPB	PERLITE PLASTERBOARD	837.0	0.180	800.0	
GPL	GYPSUM PLASTERING	837.0	0.420	1200.0	
PPL	PERLITE PLASTERING	837.0	0.080	400.0	

Opaque Constructions

Glazed Const

Ceilings Doors

Roofs Ground/exposed

Used?	ID	Description
	STD_WAL2	standard wall c
	STEELP	sheet steel
	ALUMP	sheet aluminu

Double click on thickness to change the thickness of plaster

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface

Emissivity: 0.90

Resistance (m²K/W): 0.05999 Default

Solar absorptivity: 0.70

Inside surface

Emissivity: 0.90

Resistance (m²K/W): 0.11709 Default

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistiv (MN/g)
2	0.1000		GYPSUM PLASTERBOARD	840.0	0.160	950.0	

Copy Paste Air Insert Add Delete Flip

Construction thickness: 0.3200 m

Thermal transmittance (U-value)

CIBSE U-value: 0.9399 W/m²K

EN ISO U-value: 0.9462 W/m²K

Admittance Calculations

OK Cancel

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » 10:18

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Select 'Render' category of materials

Project Constructions

System materials

Category: SCREEDS & RENDERS

ID	Description	Specific Heat Capacity (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistivity (MN/gm)
GR/SC	GRANLITHIC RENDER/SCREED	837.0	0.870	2085.0	
SC	SCREED	840.0	0.410	1200.0	
REX	EXTERNAL RENDERING	1000.0	0.500	1300.0	

Highlight 'External Rendering'

Copy

Opaque Construction [WALL4]

ID: WALL4 Description: NewWall01

Outside surface: Emissivity: 0.90, Resistance (m²K/W): 0.05999, Solar absorptivity: 0.70

Inside surface: Emissivity: 0.90, Resistance (m²K/W): 0.11709

Construction layers (Outside -> Inside)

	Thick-ness	Resis-tance	Description	Specific Heat (J/kgK)	Conductivity (W/mK)	Density (kg/m ³)	Vapour Resistiv (MN/g)
1	0.1000		EXTERNAL RENDERING	1000.0	0.500	1300.0	
2	0.2200		Brickwork (Outer Leaf)	800.0	0.840	1700.0	
3	0.0250		GYPSUM PLASTERBOARD	840.0	0.160	950.0	

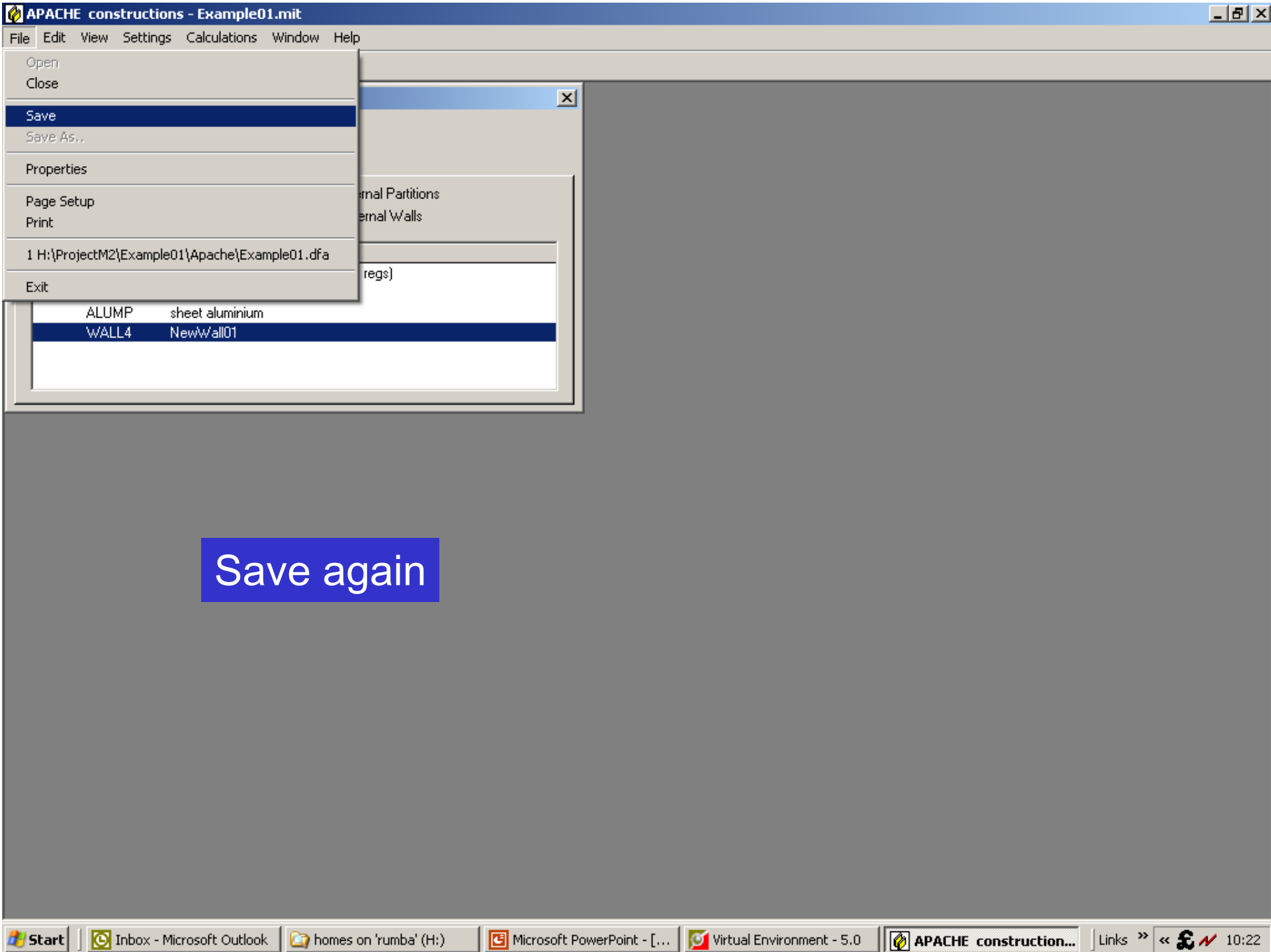
Copy Paste Air **Insert** Add Delete Flip

Construction thickness: 0.3450

Thermal transmittance (U-value): CIBSE U-value

Click on 'Insert' to put on outer side of the Brickwork

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » 10:20



Save again

APACHE constructions - Example01.mit

File Edit View Settings Calculations Window Help

Project Constructions

Opaque Constructions

○ Ceiling
○ Roofs

Used?

Ext. dbT 5.0 °C Ext. R

Normal wind exposure.

Condensation Prediction

Condensation Prediction for 'NewWall01'
Normal wind exposure.

N/m² — Sat. VP — VP — Dry Bulb Temp. — Condensation at boundary

1600.0
1400.0
1200.0
1000.0
800.0
600.0
400.0
200.0
0.0

15.0 °C
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0

0.2500 0.0250 0.0000

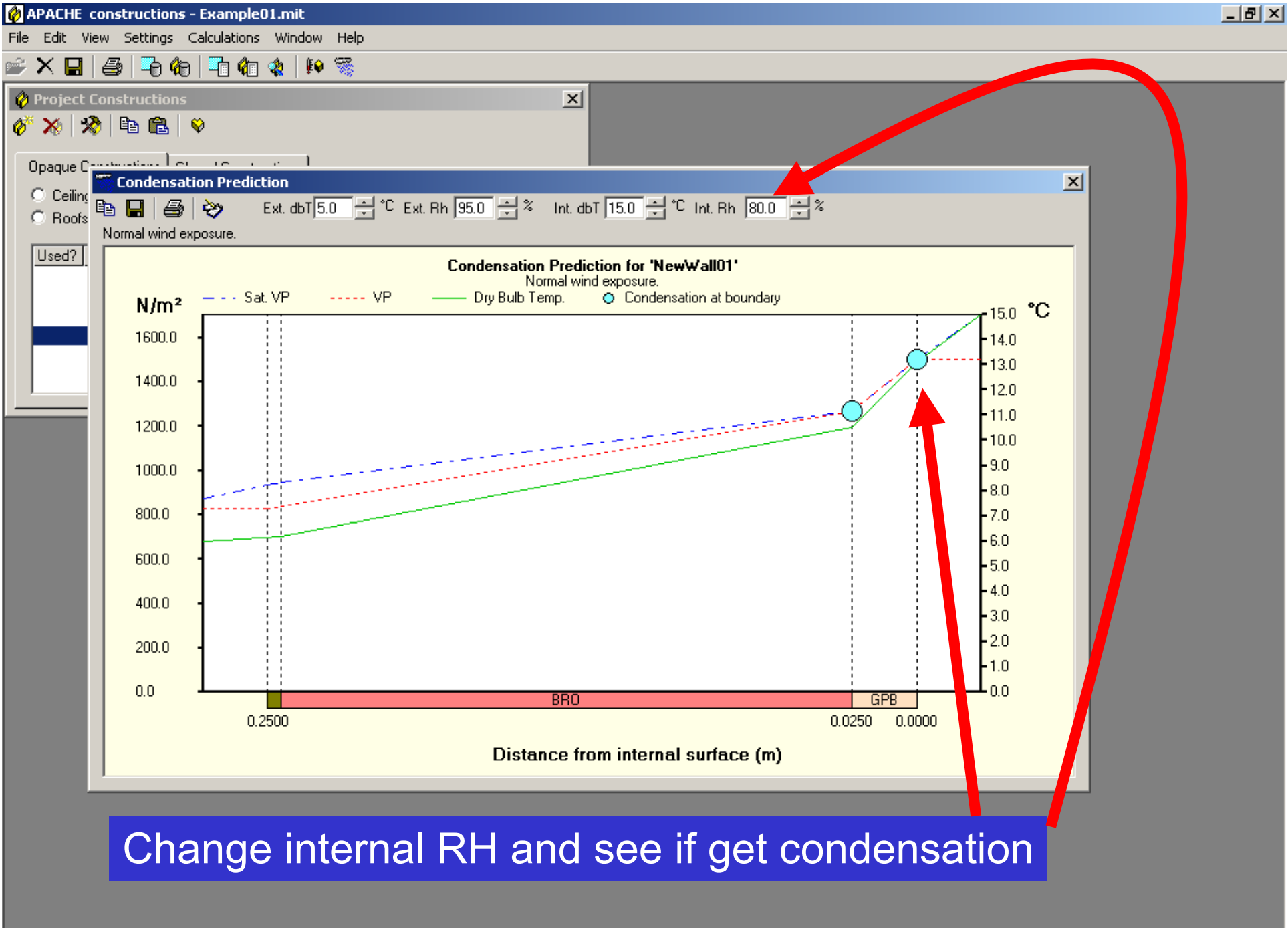
Distance from internal surface (m)

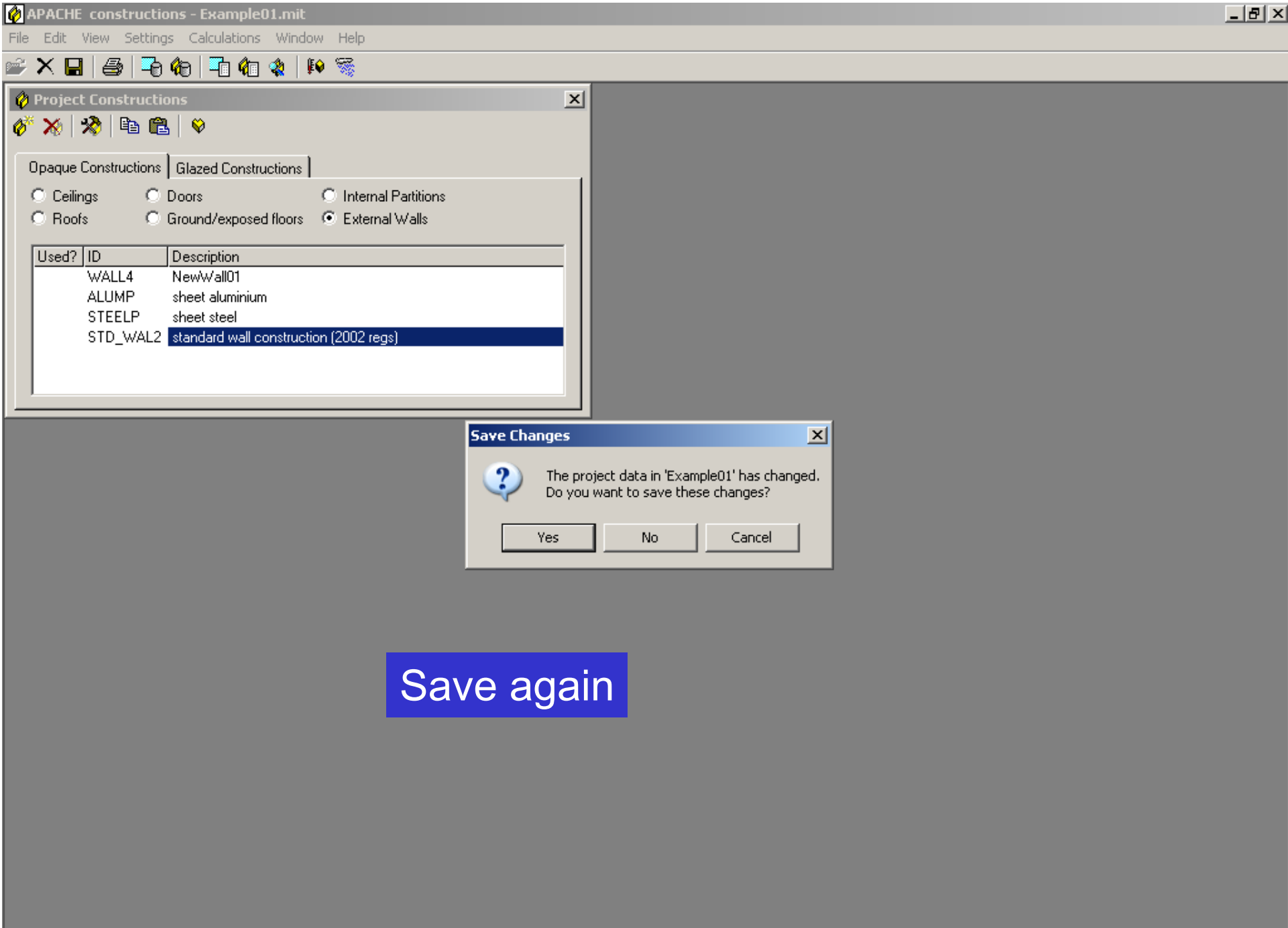
BRO GPB

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [...] | Virtual Environment - 5.0 | APACHE construction... | Links » 10:24

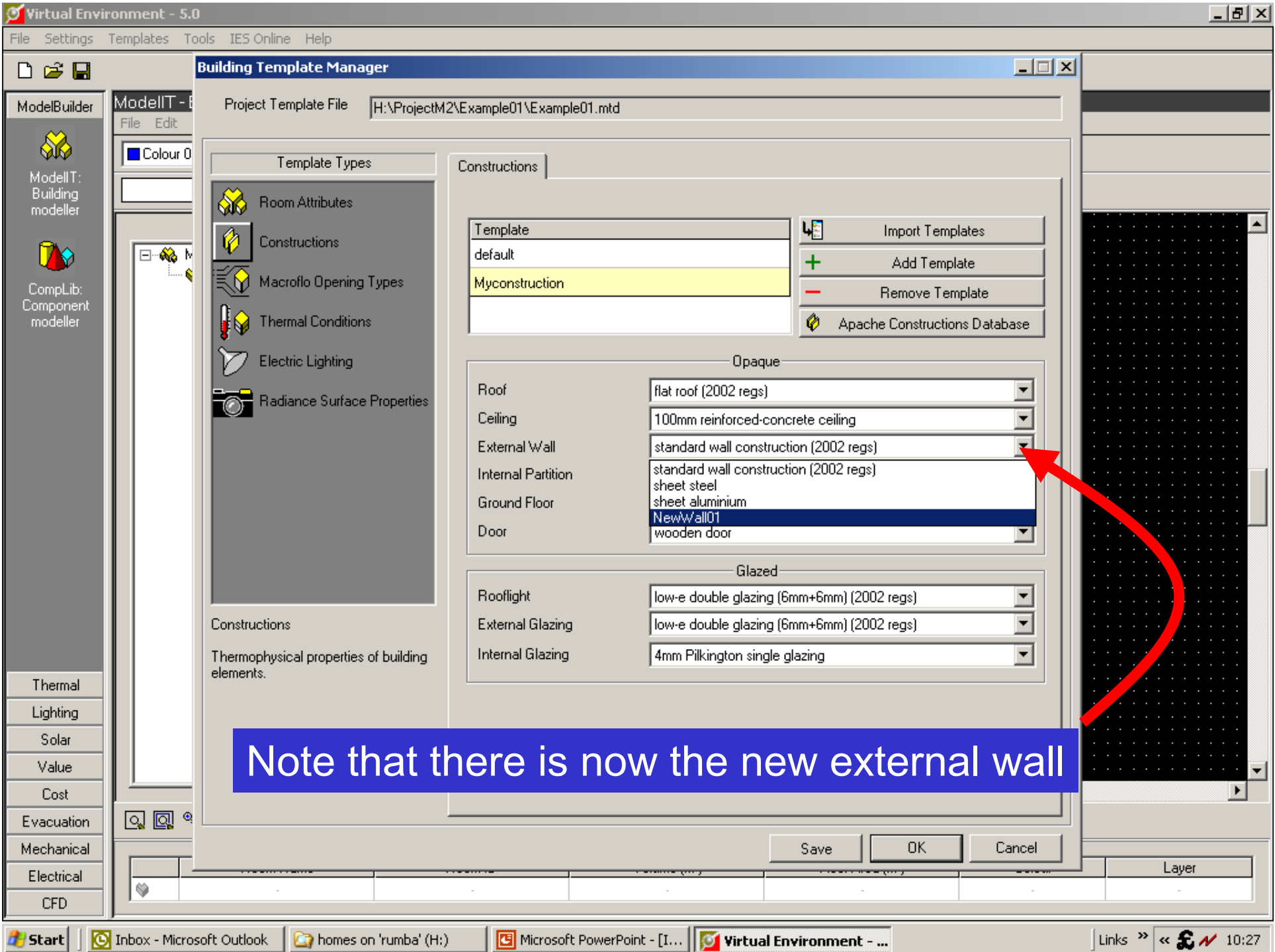
Click on 'Condensation' symbol

You need to enter 'Vapour Diffusivity' this data is somewhat questionable





Save again



Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder ModelIT - E

File Edit

Colour 0

ModellT: Building modeller

CompLib: Component modeller

Thermal

Lighting

Solar

Value

Cost

Evacuation

Mechanical

Electrical

CFD

Building Template Manager

Project Template File H:\ProjectM2\Example01\Example01.mtd

Template Types

- Room Attributes
- Constructions
- Macroflo Opening Types
- Thermal Conditions
- Electric Lighting
- Radiance Surface Properties

Constructions

Thermophysical properties of building elements.

Constructions

Template	
default	
Myconstruction	

Import Templates

Add Template

Remove Template

Apache Constructions Database

Opaque

Roof	flat roof (2002 regs)
Ceiling	100mm reinforced-concrete ceiling
External Wall	NewWall01
Internal Partition	13mm pll 105mm bri 13mm pll
Ground Floor	standard floor construction (2002 regs)
Door	wooden door

Glazed

Rooflight	low-e double glazing (6mm+6mm) (2002 regs)
External Glazing	low-e double glazing (6mm+6mm) (2002 regs)
Internal Glazing	4mm Pilkington single glazing

Save OK Cancel

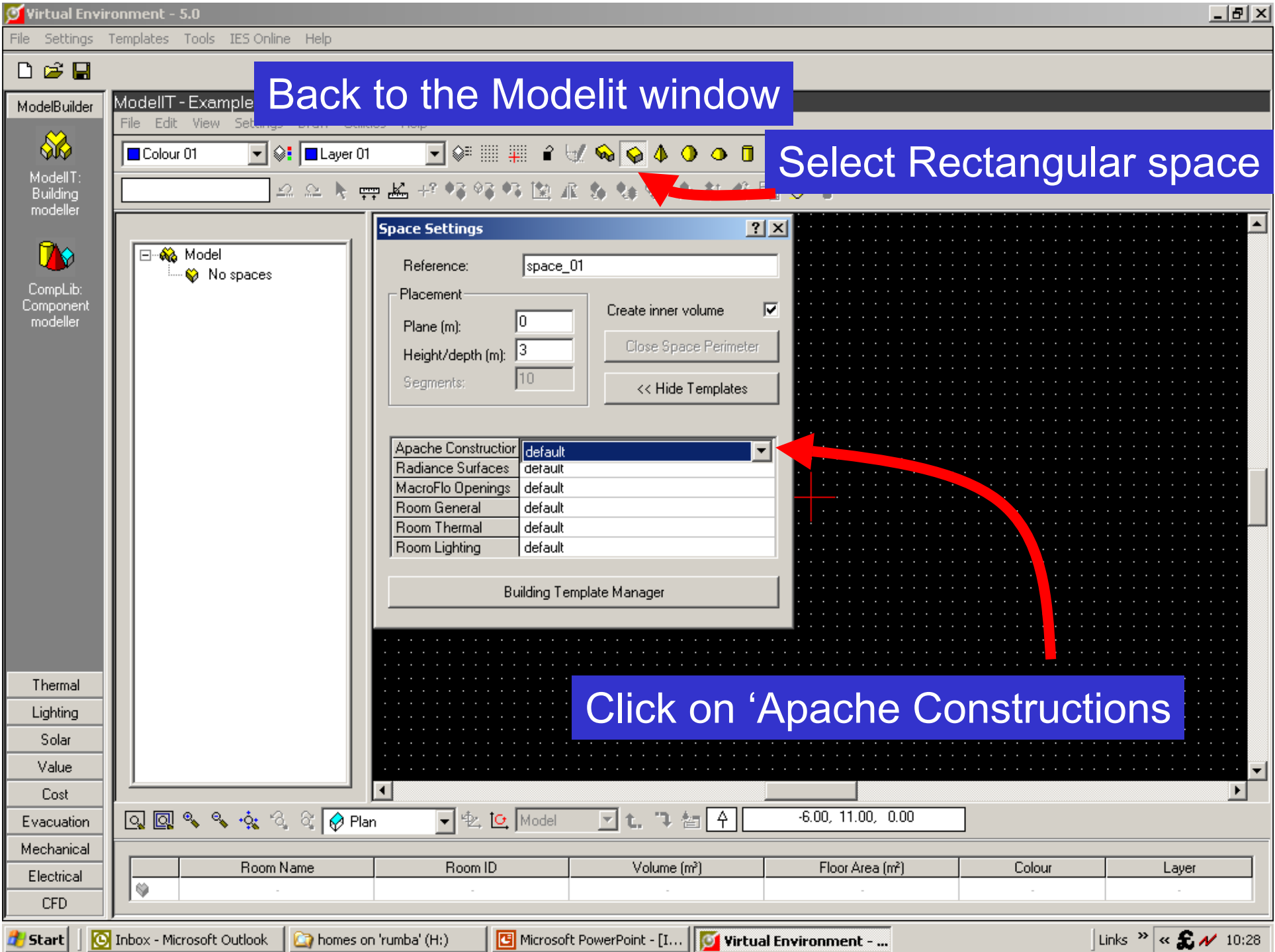
Layer

Links << >> 10:27

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I...] | Virtual Environment - ...

Choose 'NewWall01' for the external wall

Click on 'Save' and then OK



Back to the Modelit window

Select Rectangular space

Space Settings

Reference: space_01

Placement

Plane (m): 0

Height/depth (m): 3

Segments: 10

Create inner volume

Close Space Perimeter

<< Hide Templates

Apache Constructor	default
Radiance Surfaces	default
MacroFlo Openings	default
Room General	default
Room Thermal	default
Room Lighting	default

Building Template Manager

Click on 'Apache Constructions'

Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder

ModellT: Building modeller

CompLib: Component modeller

ModellT - Example01 - Plan : Model

File Edit View Settings Draw Utilities Help

Colour 01 Layer 01

Space Settings

Reference: space_01

Placement

Plane (m): 0

Height/depth (m): 3

Segments: 10

Create inner volume

Close Space Perimeter

<< Hide Templates

Apache Constructor	Myconstruction
Radiance Surfaces	default
MacroFlo Openings	Myconstruction
Room General	default
Room Thermal	default
Room Lighting	default

Building Template Manager

Model

No spaces

Thermal

Lighting

Solar

Value

Cost

Evacuation

Mechanical

Electrical

CFD

Plan -0.50, 0.00, 0.00

Room Name	Room ID	Volume (m³)	Floor Area (m²)	Colour	Layer

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I...] | Virtual Environment - ... | Links << 10:29

Notice that there is now a 'Myconstruction' template

Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder

ModellT: Building modeller

CompLib: Component modeller

Thermal

Lighting

Solar

Value

Cost

Evacuation

Mechanical

Electrical

CFD

ModelIT - Example01 - Plan : Model

File Edit View Settings Draw Utilities Help

Colour 01 Layer 01

Space Settings

Reference: space_01

Placement

Plane (m): 0

Height/depth (m): 3

Segments: 10

Create inner volume

Close Space Perimeter

<< Hide Templates

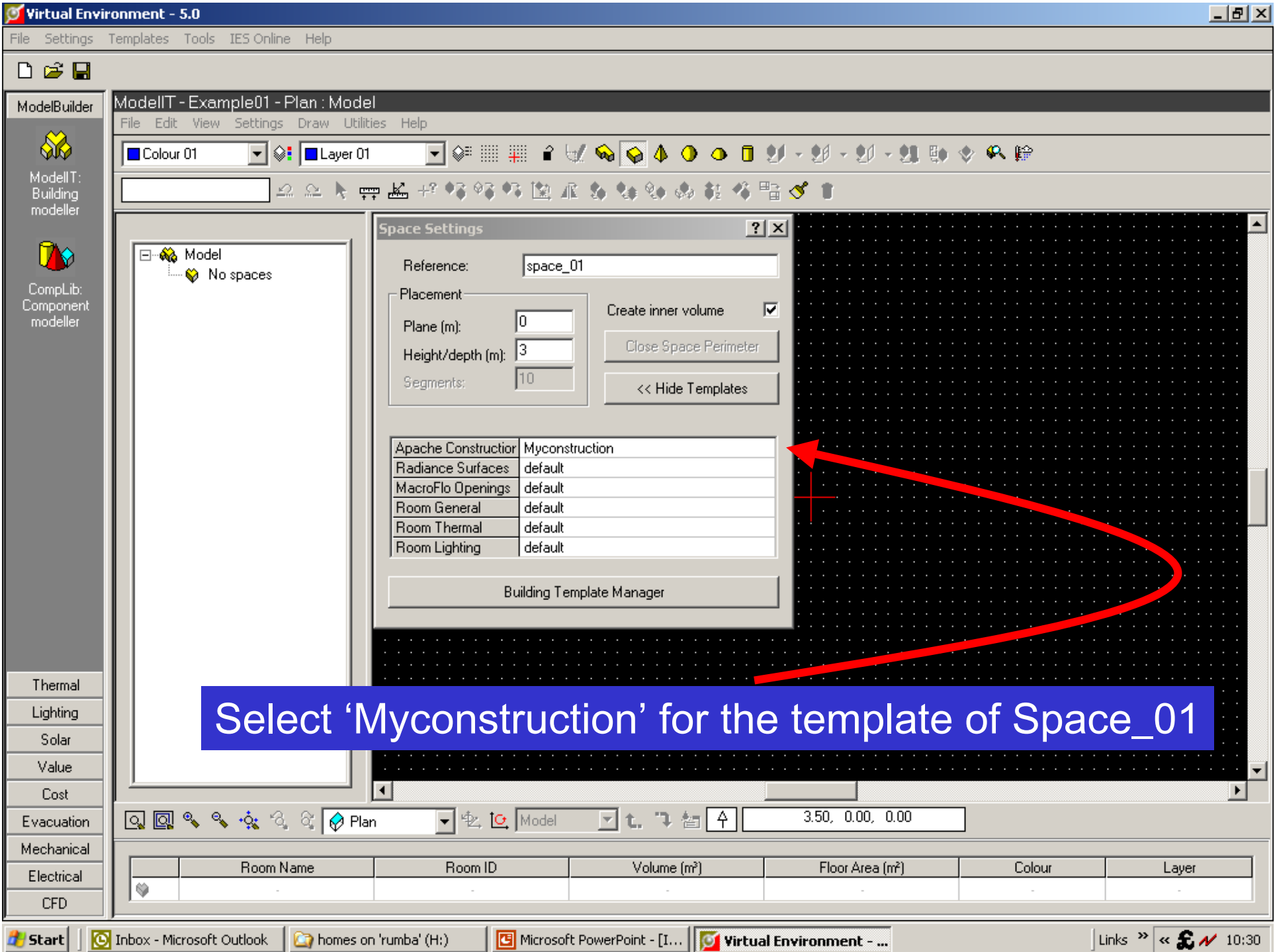
Apache Constructor	Myconstruction
Radiance Surfaces	default
MacroFlo Openings	default
Room General	default
Room Thermal	default
Room Lighting	default

Building Template Manager

3.50, 0.00, 0.00

Room Name	Room ID	Volume (m³)	Floor Area (m²)	Colour	Layer

Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I...] | Virtual Environment - ... | Links << 10:30



Select 'Myconstruction' for the template of Space_01



ModelBuilder

ModelIT - Example01 - Plan : Model

Colour 01 Layer 01 [Grid icons]

[Drawing tools icons]

Modell T: Building modeller
 Complib: Component modeller

Model
 No spaces

Space Settings

Reference: space_01

Placement

Plane (m): 0

Height/depth (m): 3

Segments: 10

Create inner volume

Close Space Perimeter

<< Hide Templates

Apache Constructor	Myconstruction
Radiance Surfaces	default
MacroFlo Openings	default
Room General	default
Room Thermal	default
Room Lighting	default

Building Template Manager



- Thermal
- Lighting
- Solar
- Value
- Cost
- Evacuation
- Mechanical
- Electrical
- CFD

Plan Model 3.50, 0.00, 0.00

Room Name	Room ID	Volume (m³)	Floor Area (m²)	Colour	Layer
♥					

Virtual Environment - 5.0

File Settings Templates Tools IES Online Help

ModelBuilder

Thermal

Apache: Thermal calculation and simulation

ApacheHVAC: HVAC system simulation interface

MacroFlo: Multi-Zone Air Movement

VISTA: Results analysis

APreview: APACHE-d...
APreview: APACHE-d...

Lighting

Solar

Value

Cost

Evacuation

Mechanical

Electrical

CFD

ModelIT - Example01 - Plan : Model

File Edit View Settings Draw Utilities Help

Colour 01 Layer 01

Model

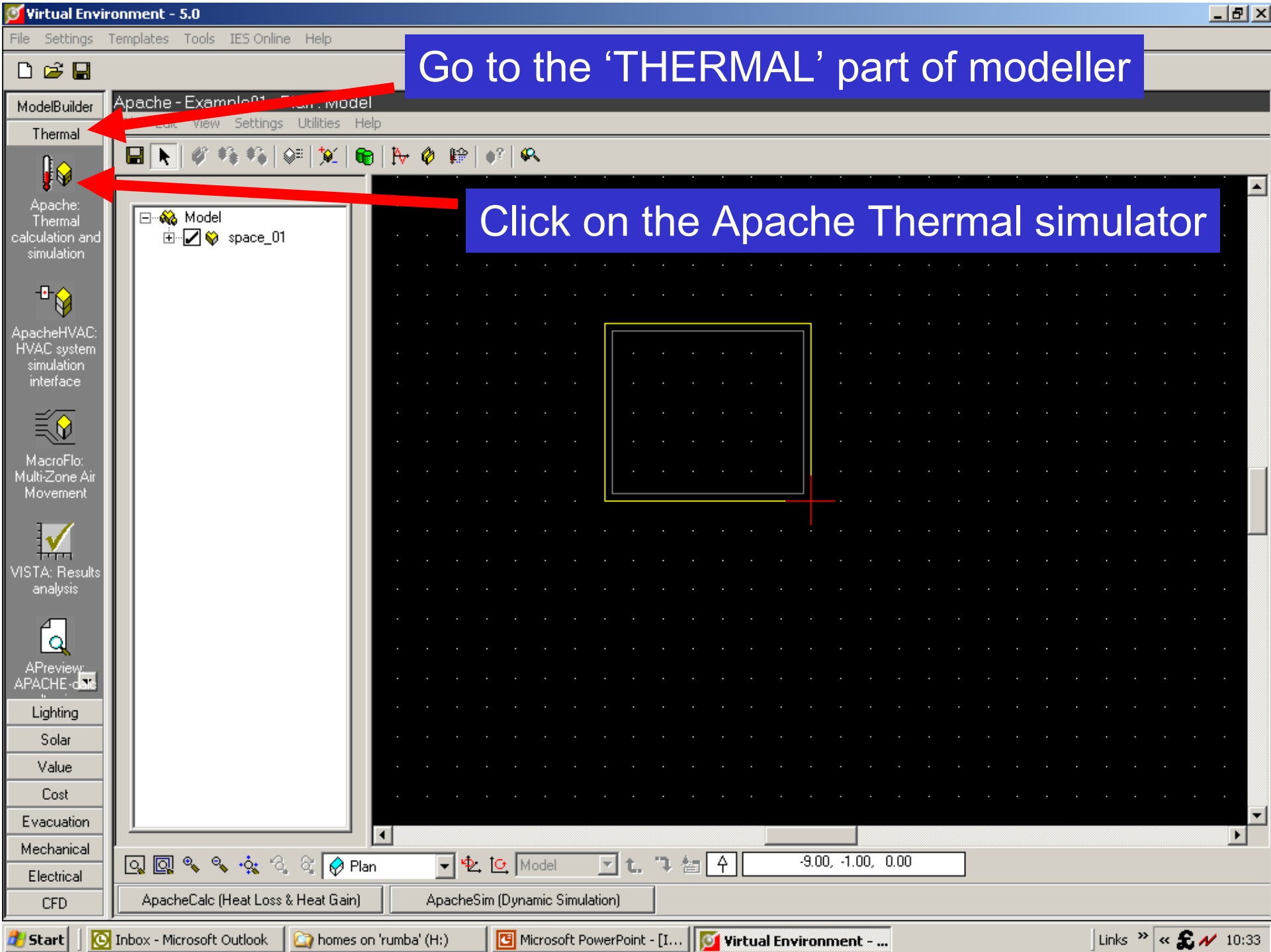
space_01

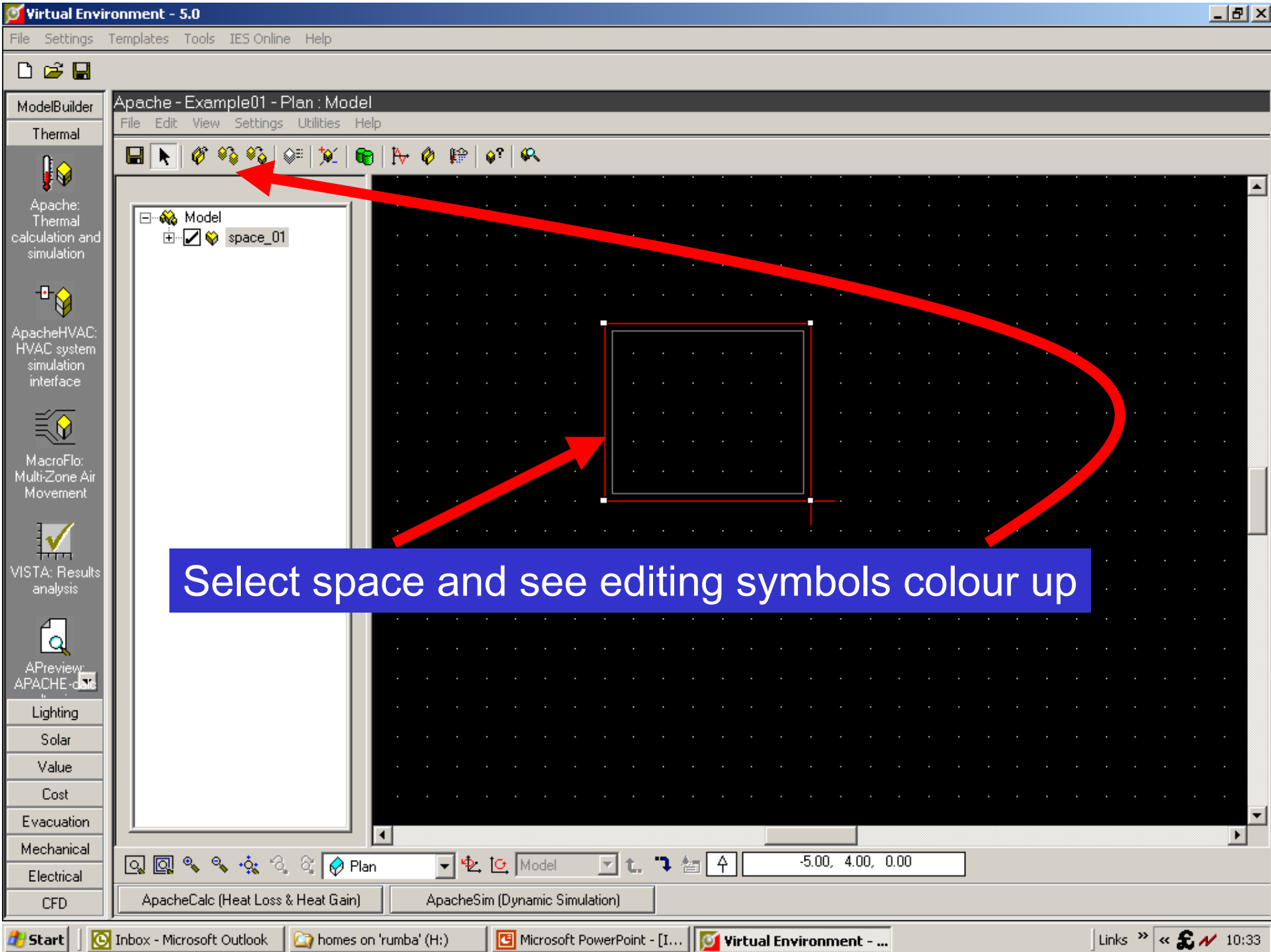
Construct a single space

Plan 2.00, -11.00, 0.00

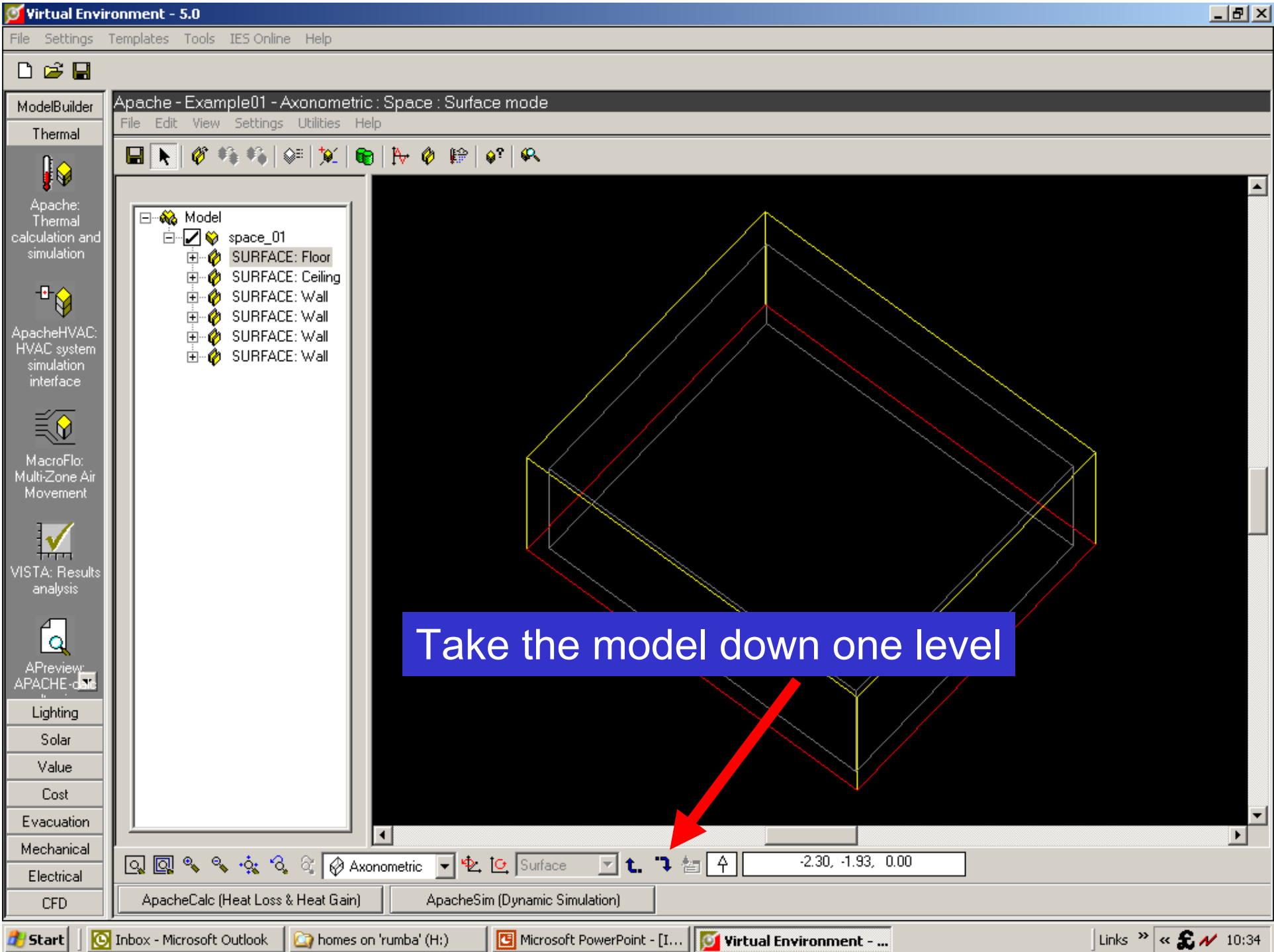
	Room Name	Room ID	Volume (m³)	Floor Area (m²)	Colour	Layer
♥						

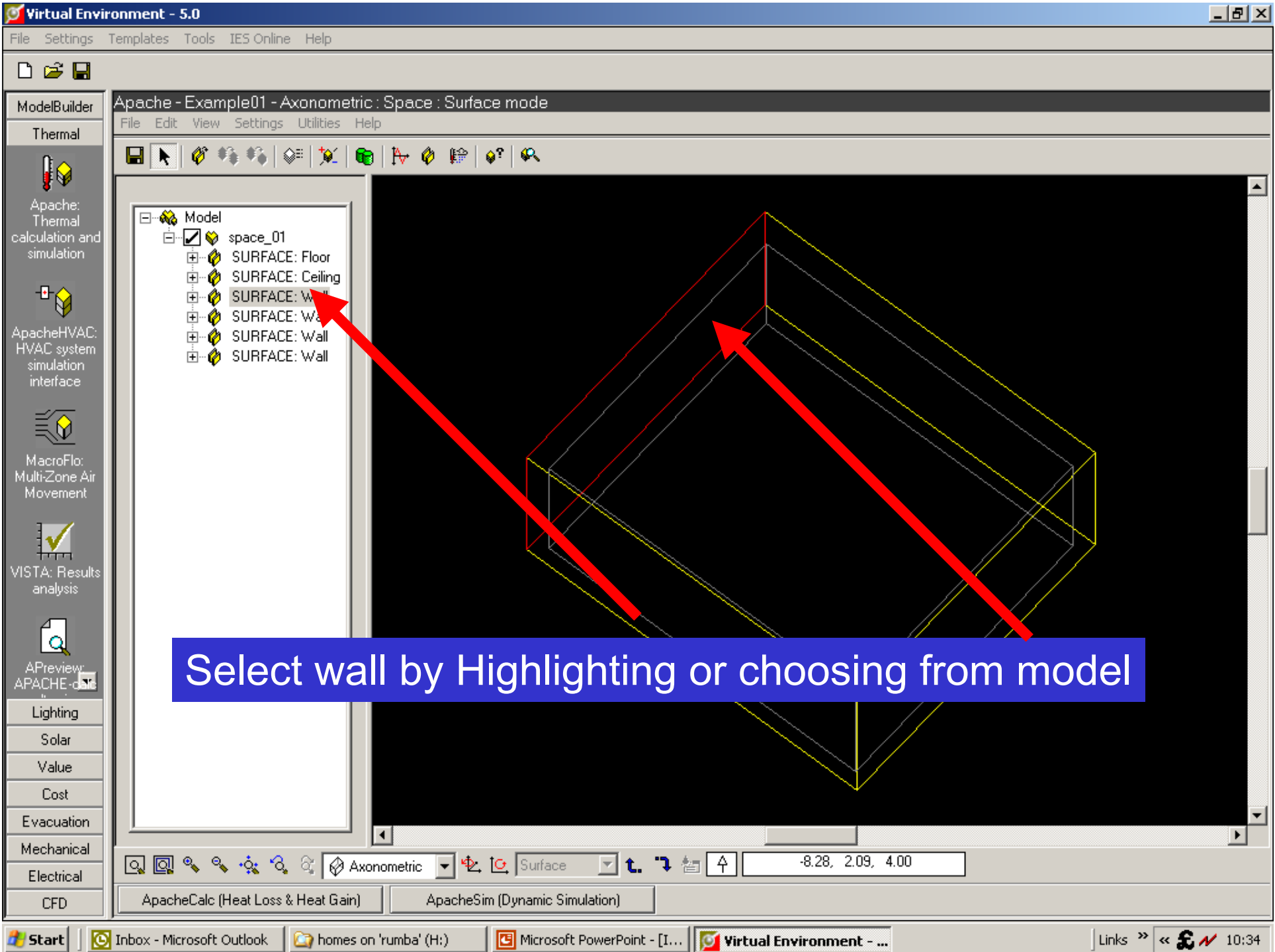
Start | Inbox - Microsoft Outlook | homes on 'rumba' (H:) | Microsoft PowerPoint - [I...] | Virtual Environment - ... | Links » 10:32

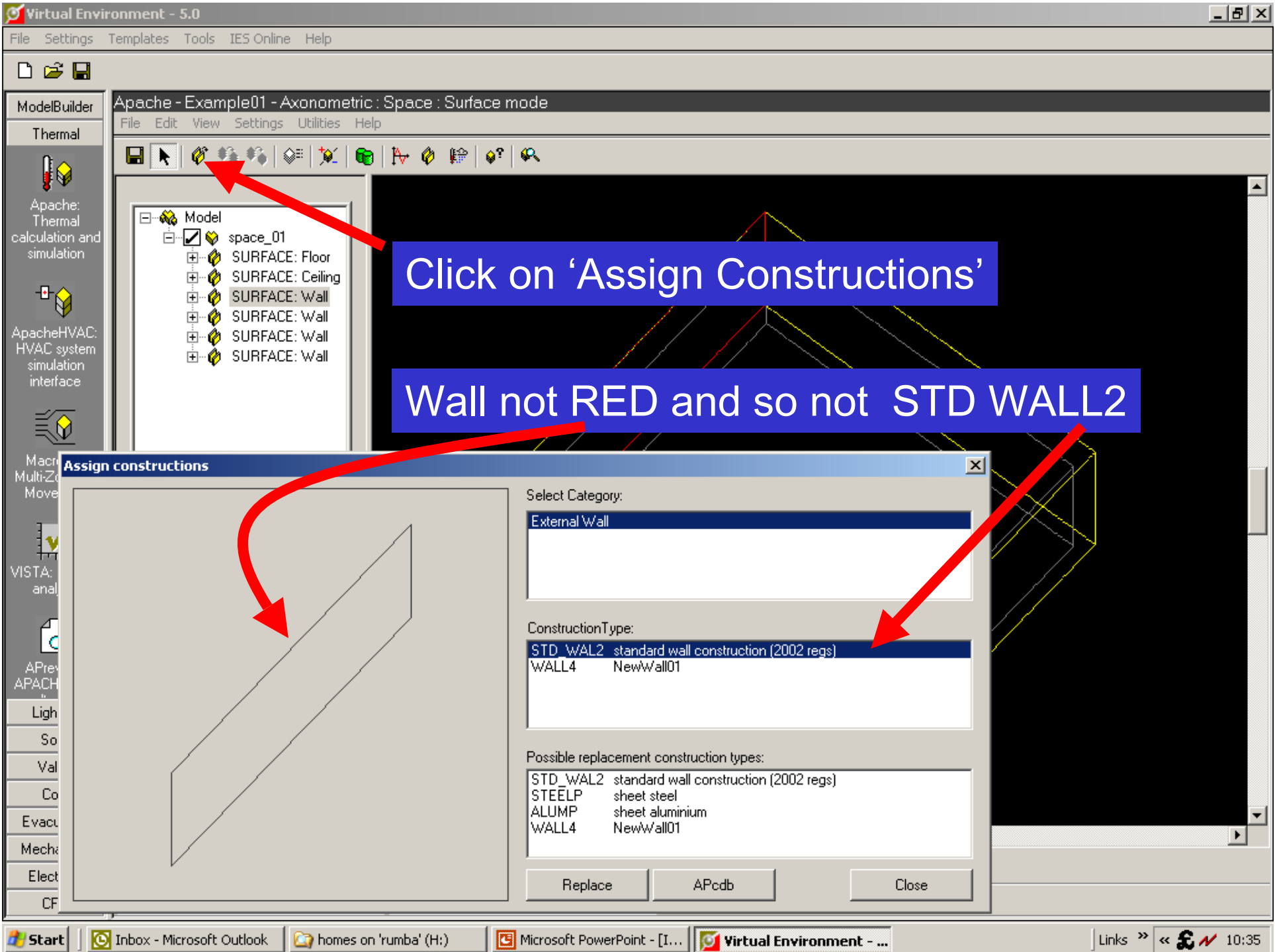




Select space and see editing symbols colour up

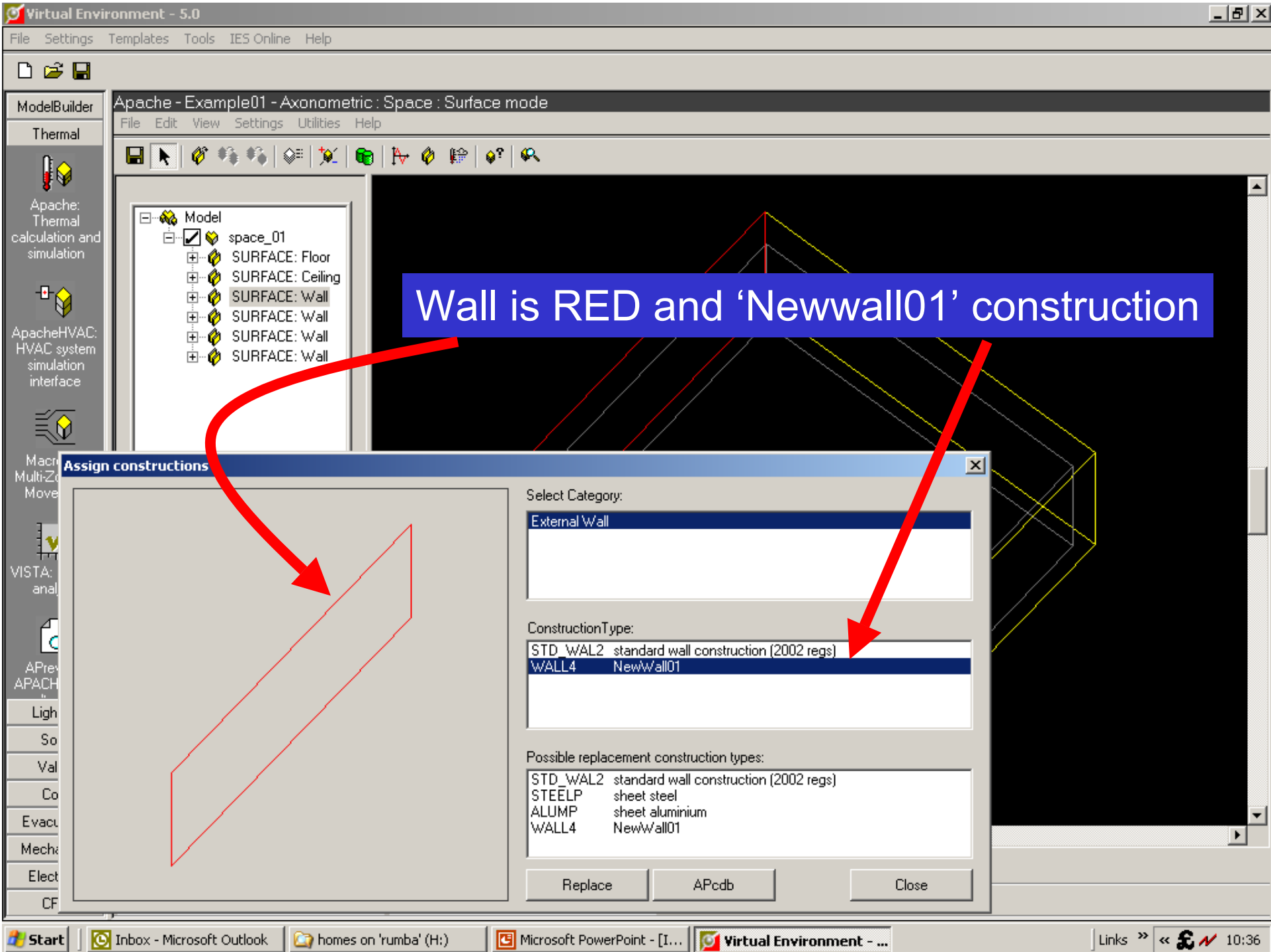


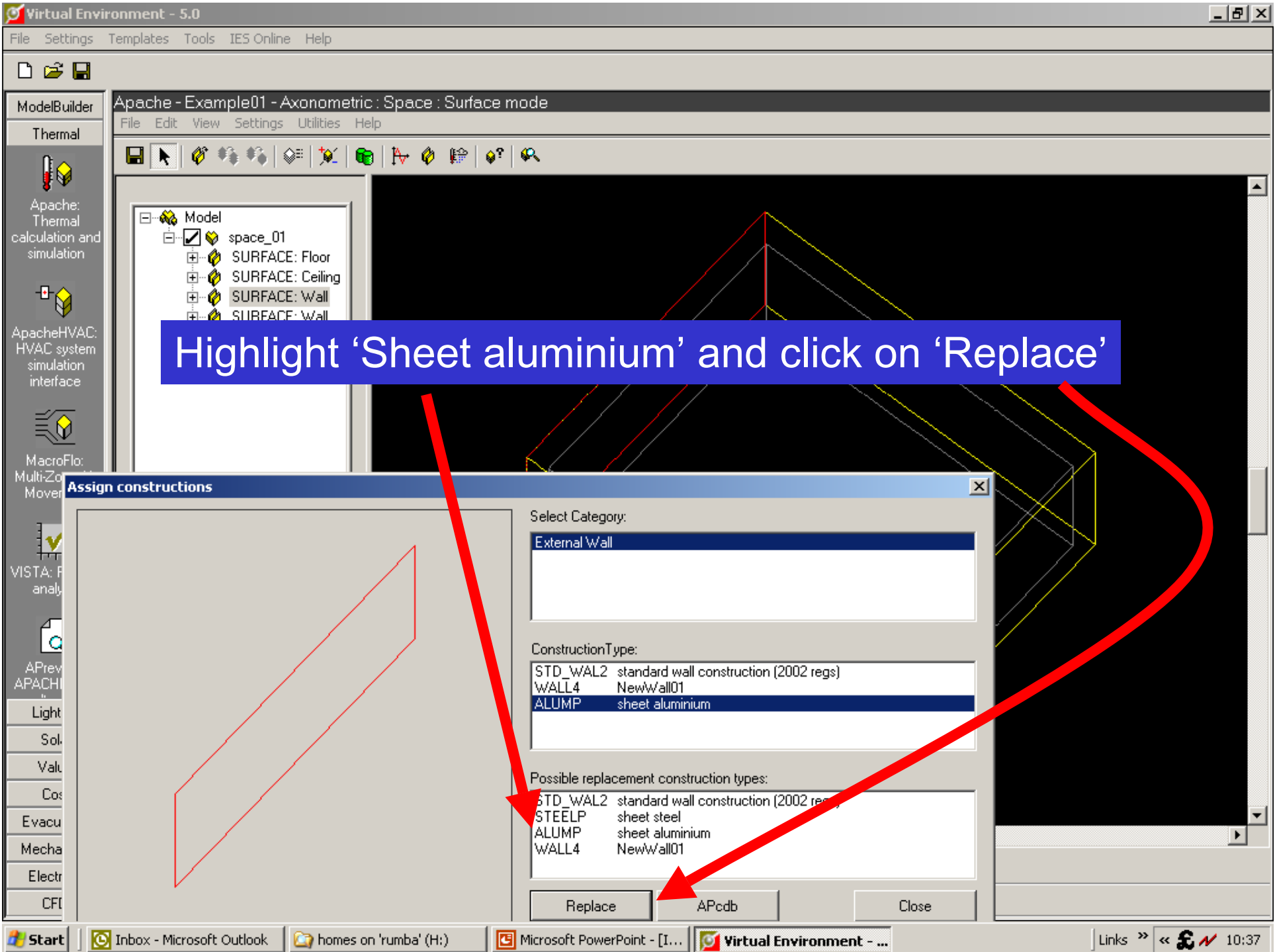


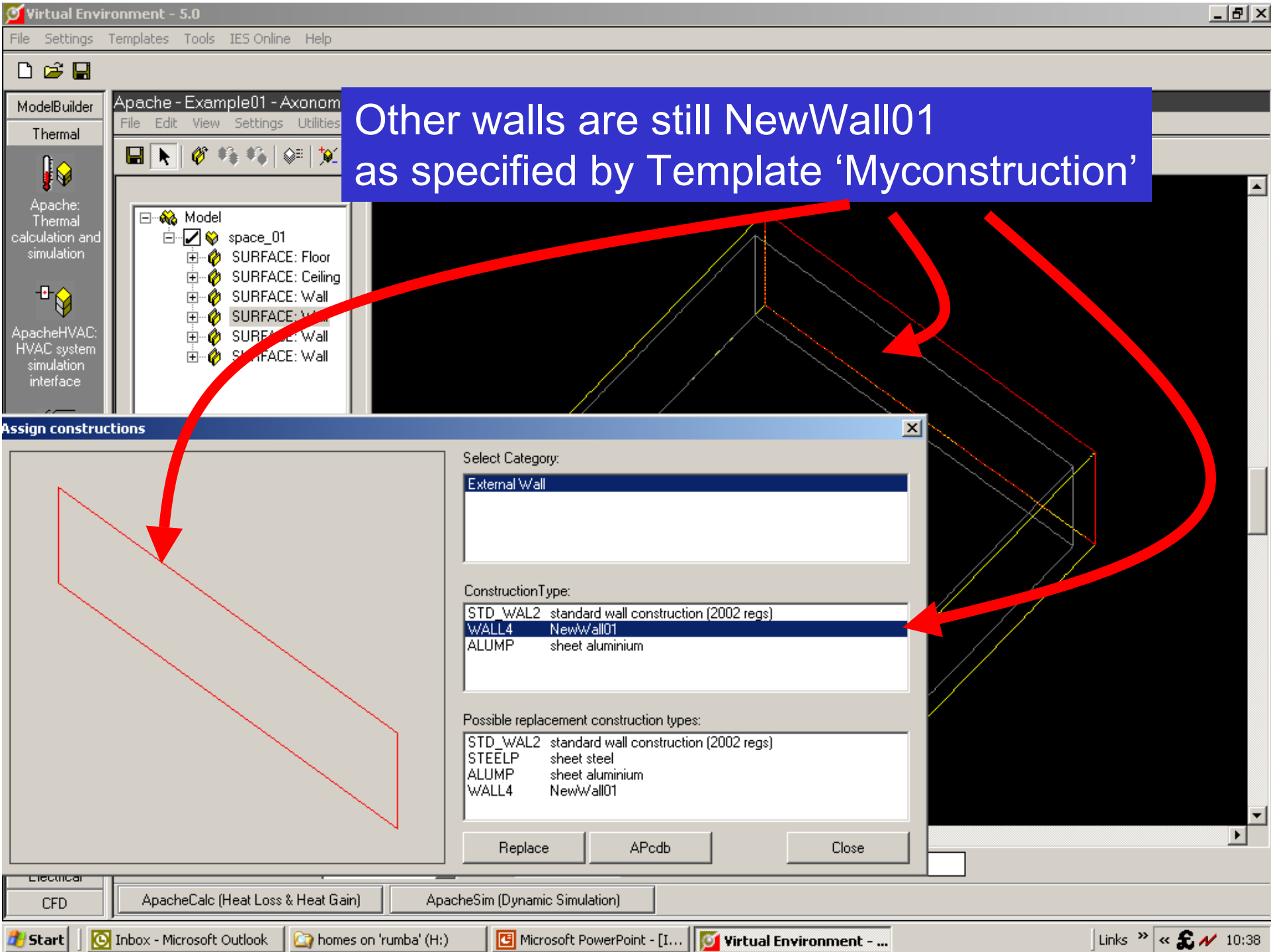


Click on 'Assign Constructions'

Wall not RED and so not STD WALL2







Other walls are still NewWall01 as specified by Template 'Myconstruction'

