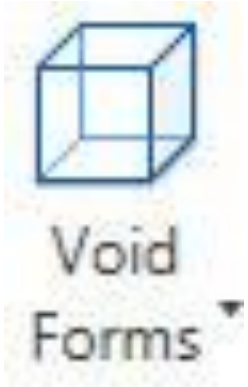
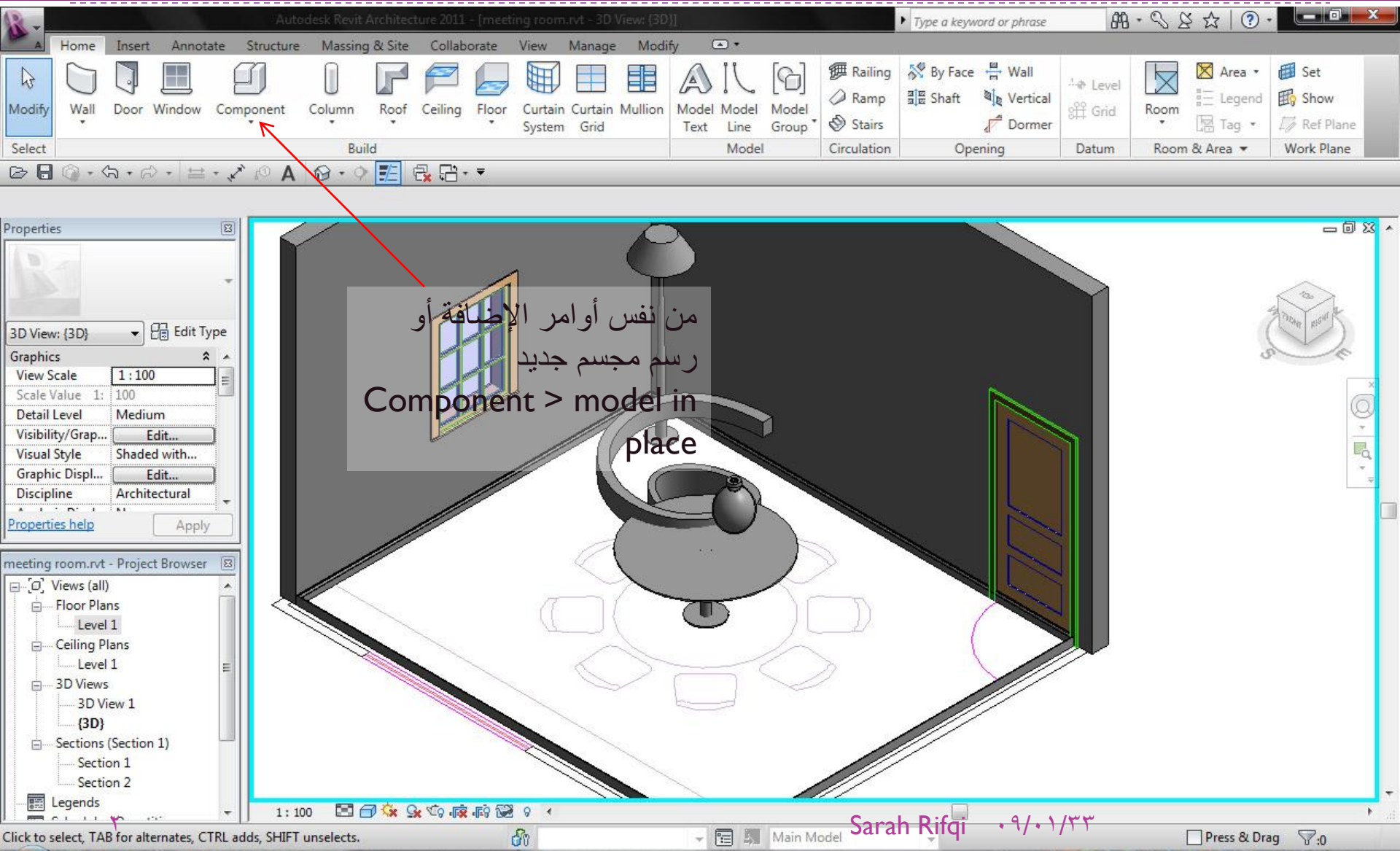
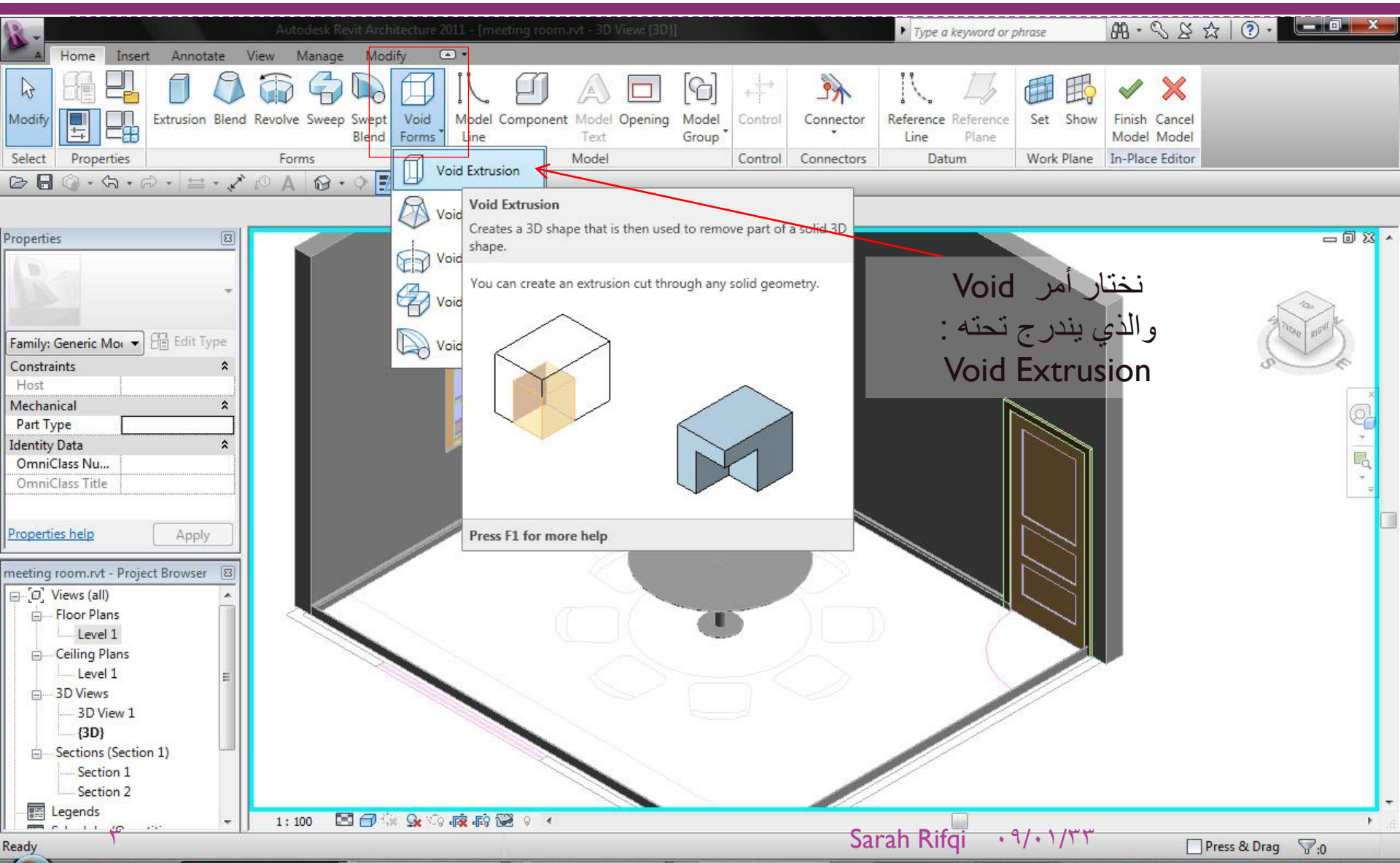


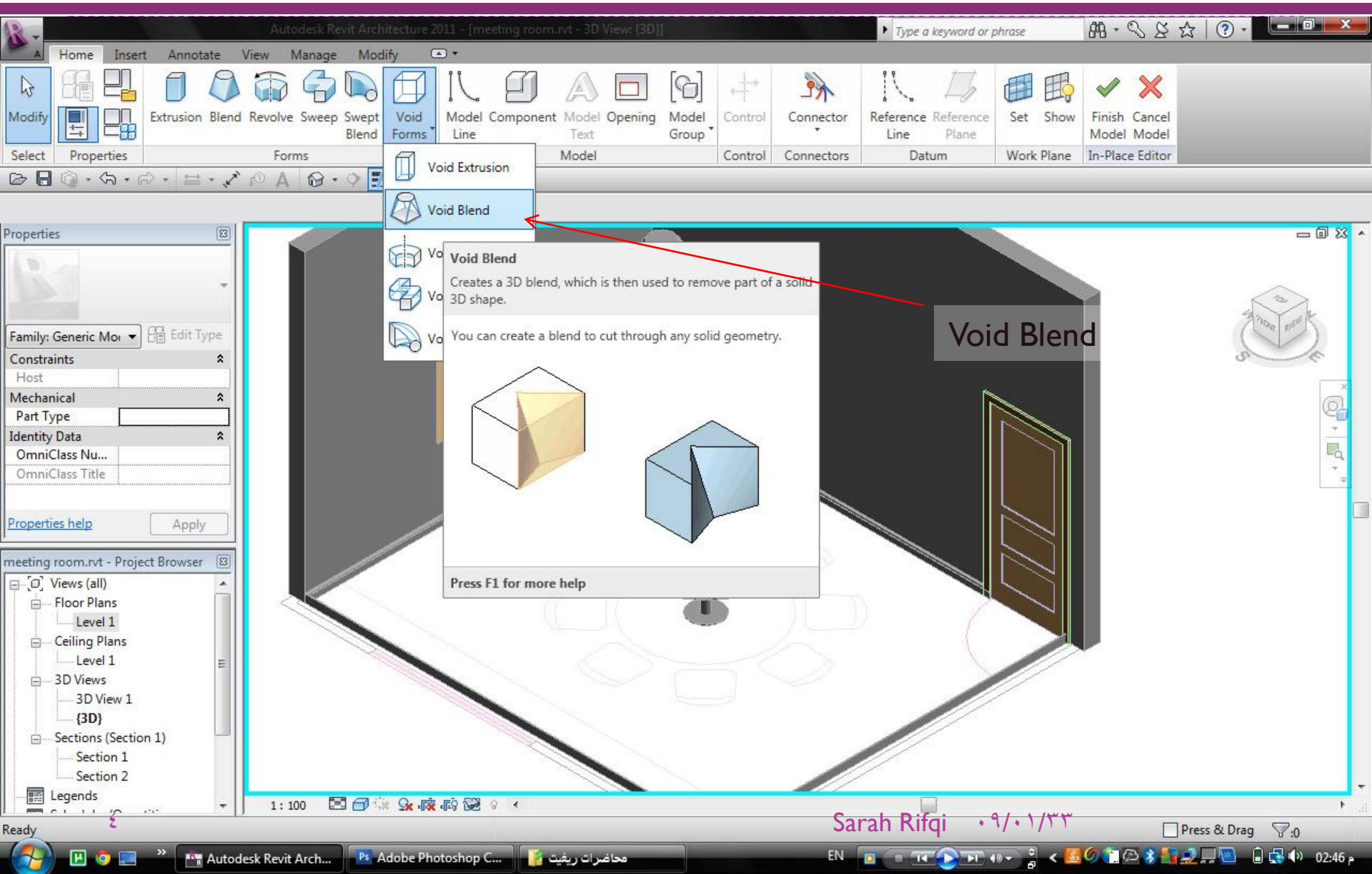
Void Forms أمر الحذف


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Wall
Door
Window
Component
Column
Roof
Ceiling
Floor
Curtain System
Curtain Grid
Mullion
Model Text
Model Line
Model Group
Railing
Ramp
Stairs
By Face
Shaft
Wall
Vertical
Dormer
Level
Grid
Room
Area
Legend
Tag
Set
Show
Ref Plane
Select
Build
Model
Circulation
Opening
Datum
Room & Area
Work Plane
من نفس أوامر الإضافة أو
رسم مجسم جديد
Component > model in
place
Properties
3D View: {3D}
Edit Type
Graphics
View Scale
1 : 100
Scale Value 1:
100
Detail Level
Medium
Visibility/Grap...
Edit...
Visual Style
Shaded with...
Graphic Displ...
Edit...
Discipline
Architectural
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Main Model
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
:0

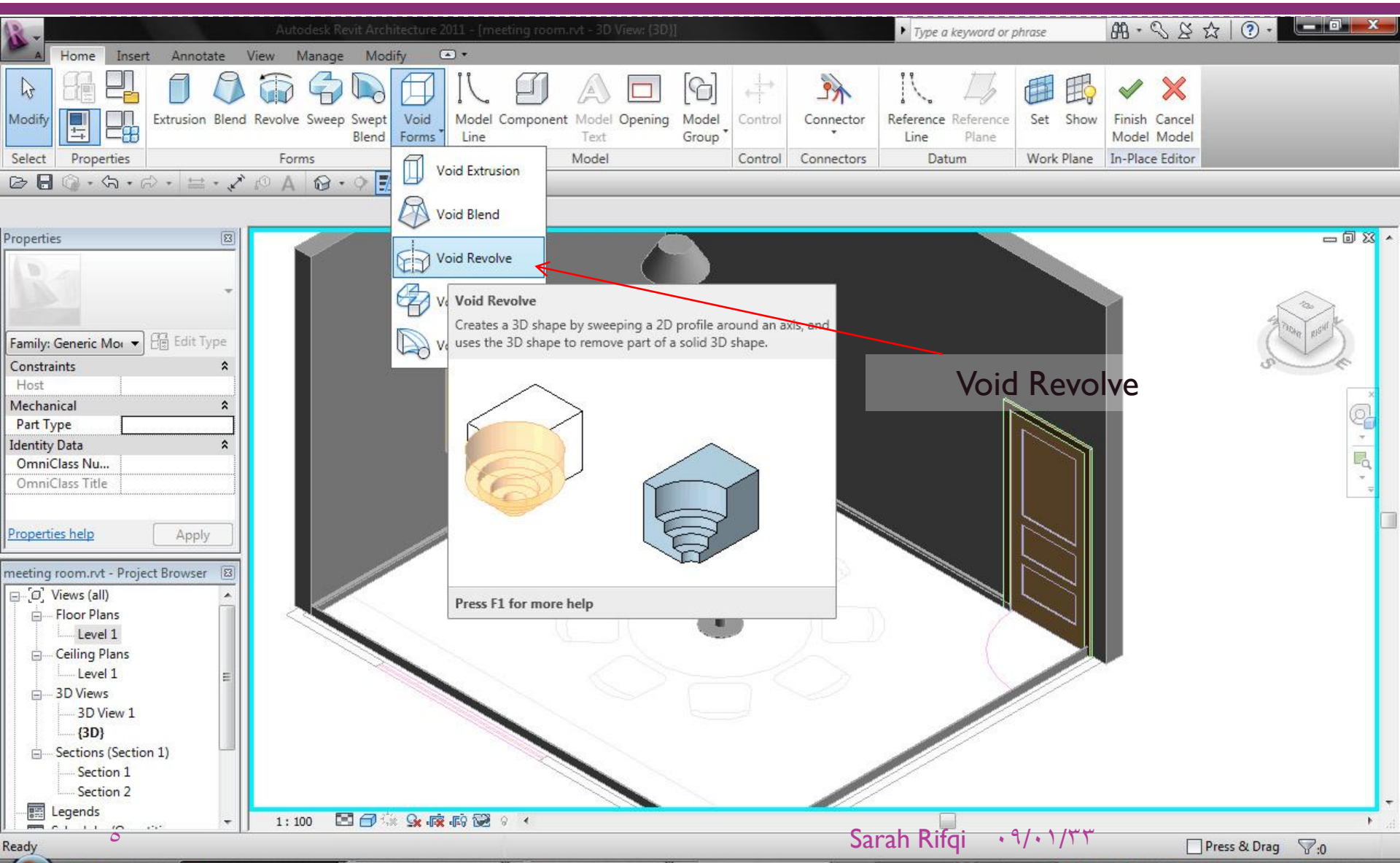
جميع أوامر Voidتعمل بنفس عمل أوامر الإضافة (Extrusion,Blend, ...) والإختلاف أن أمر Void يحذف من الشكل



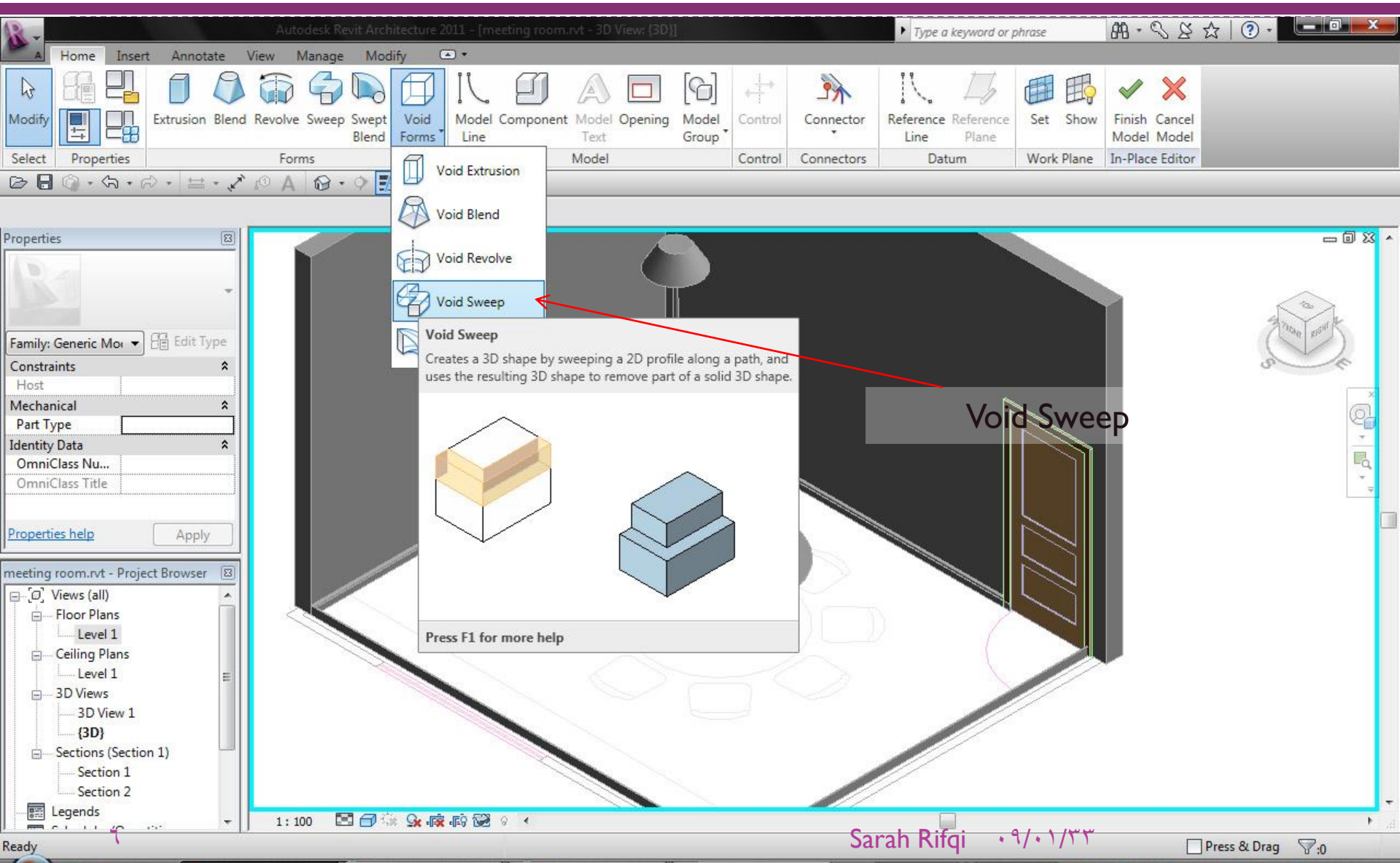
جميع أوامر Voidتعمل بنفس عمل أوامر الإضافة (Extrusion,Blend, ...) والإختلاف أن أمر Void يحذف من الشكل



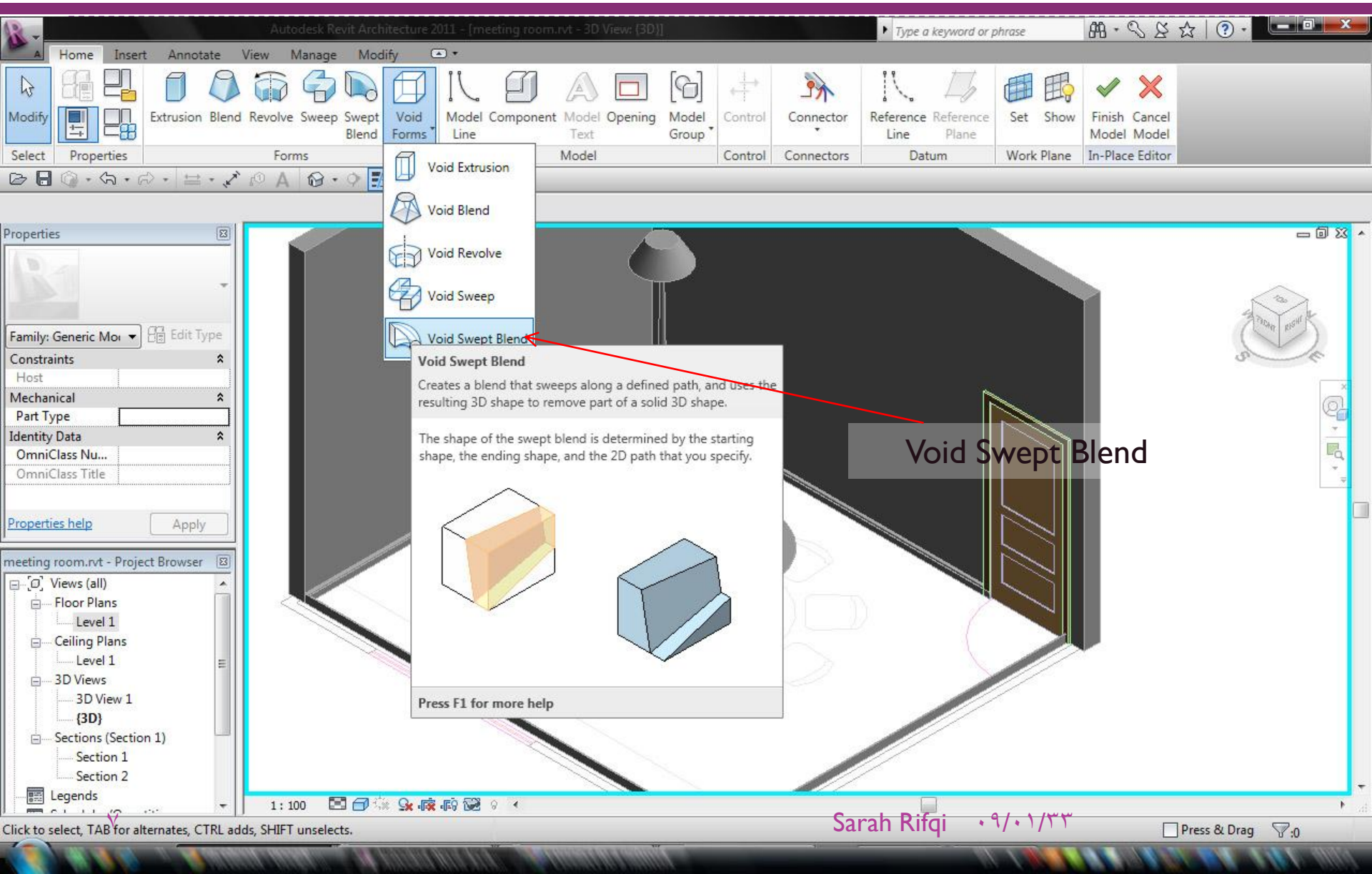
جميع أوامر Voidتعمل بنفس عمل أوامر الإضافة (Extrusion,Blend, ...) والإختلاف أن أمر Void يحذف من الشكل

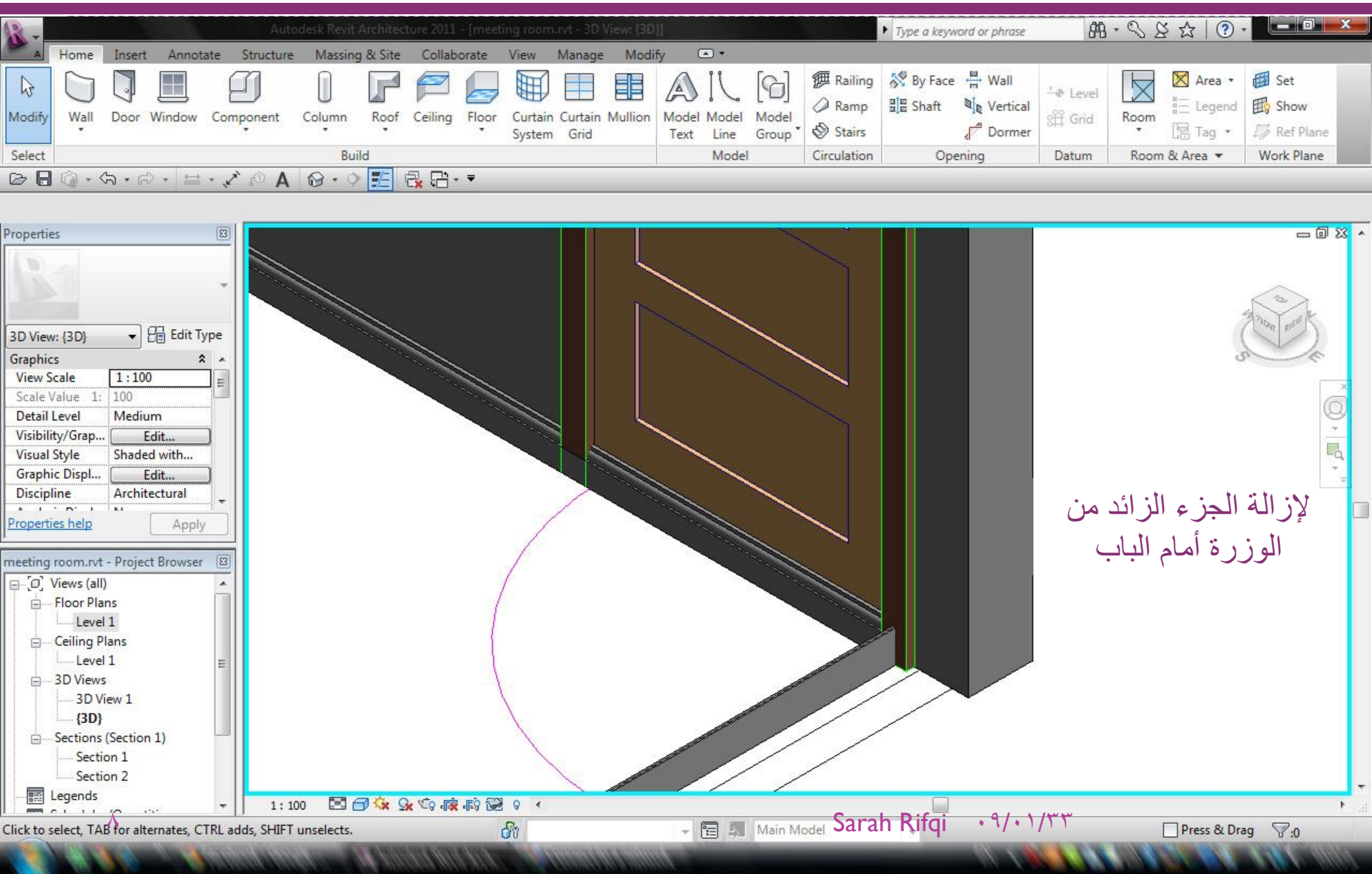


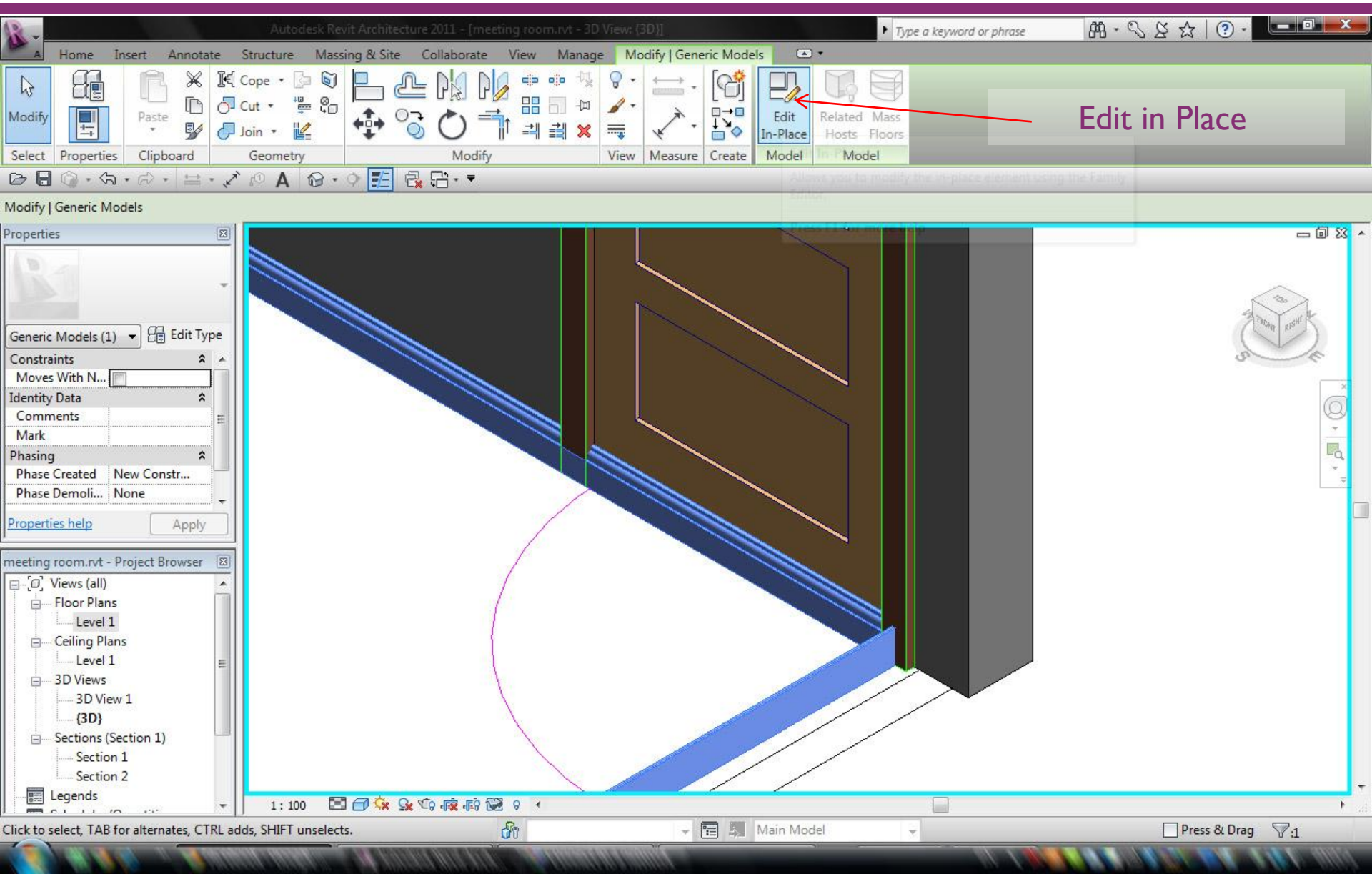
جميع أوامر Voidتعمل بنفس عمل أوامر الإضافة (Extrusion,Blend, ...) والإختلاف أن أمر Void يحذف من الشكل

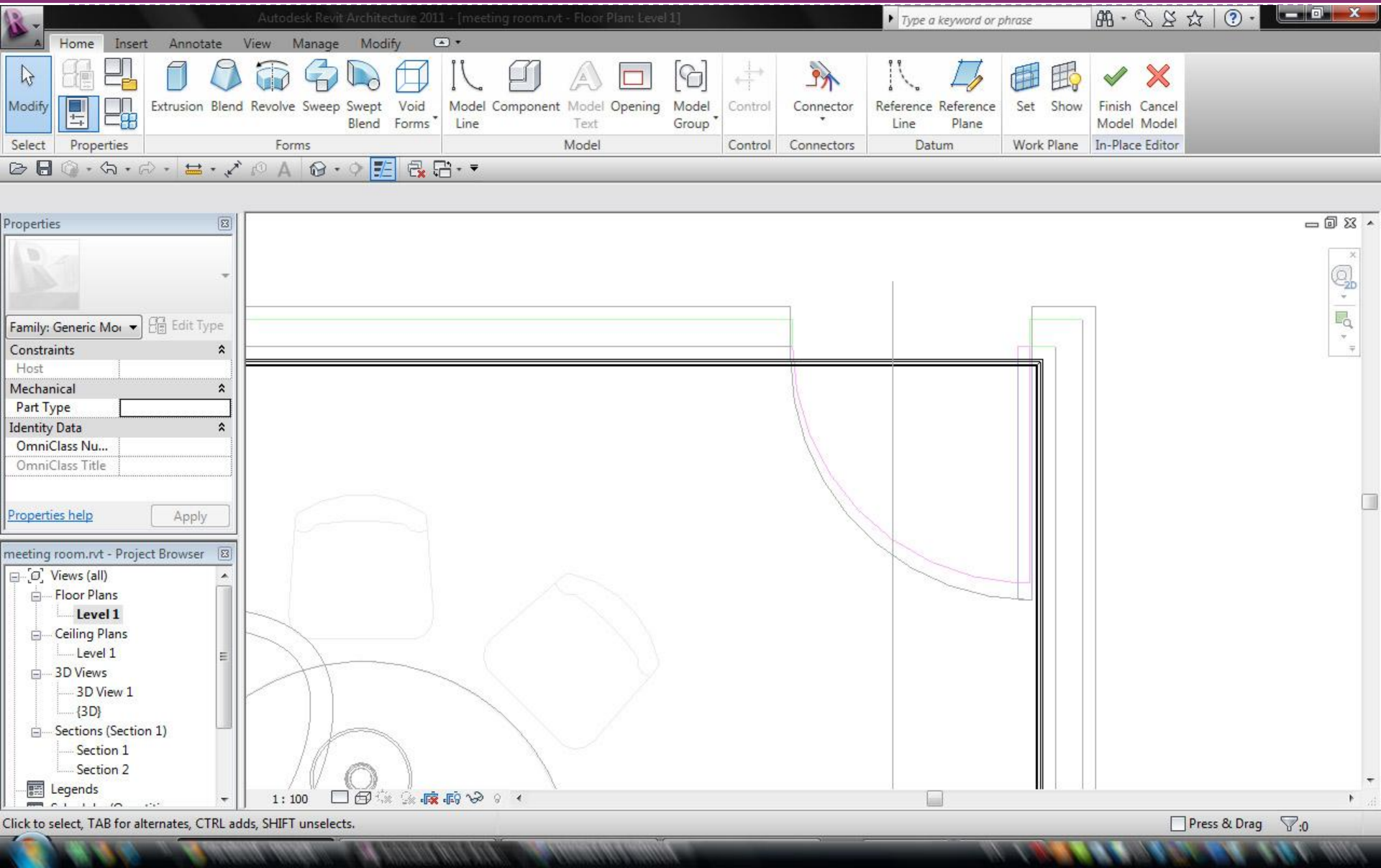


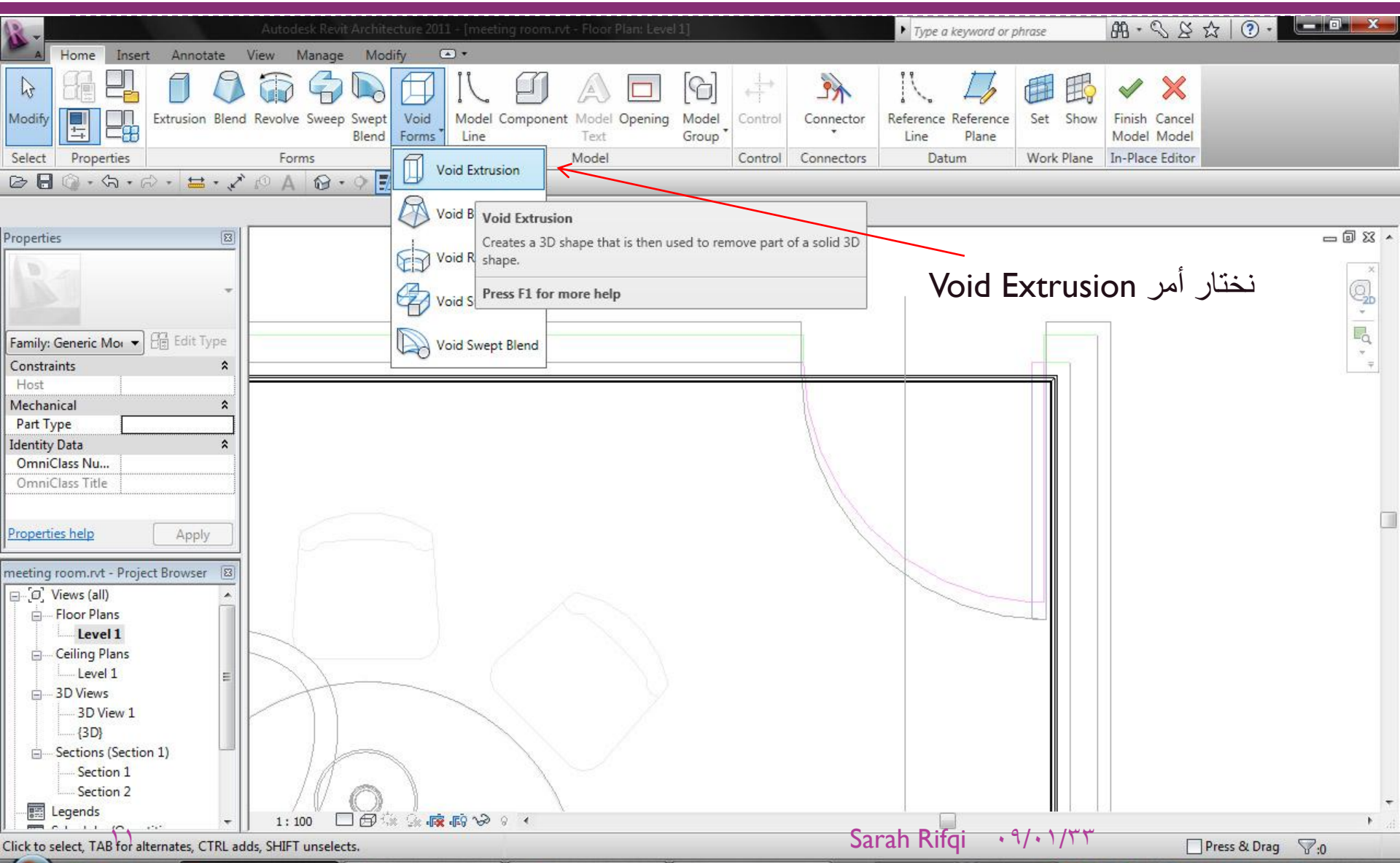
جميع أوامر Voidتعمل بنفس عمل أوامر الإضافة (Extrusion,Blend, ...) والإختلاف أن أمر Void يحذف من الشكل

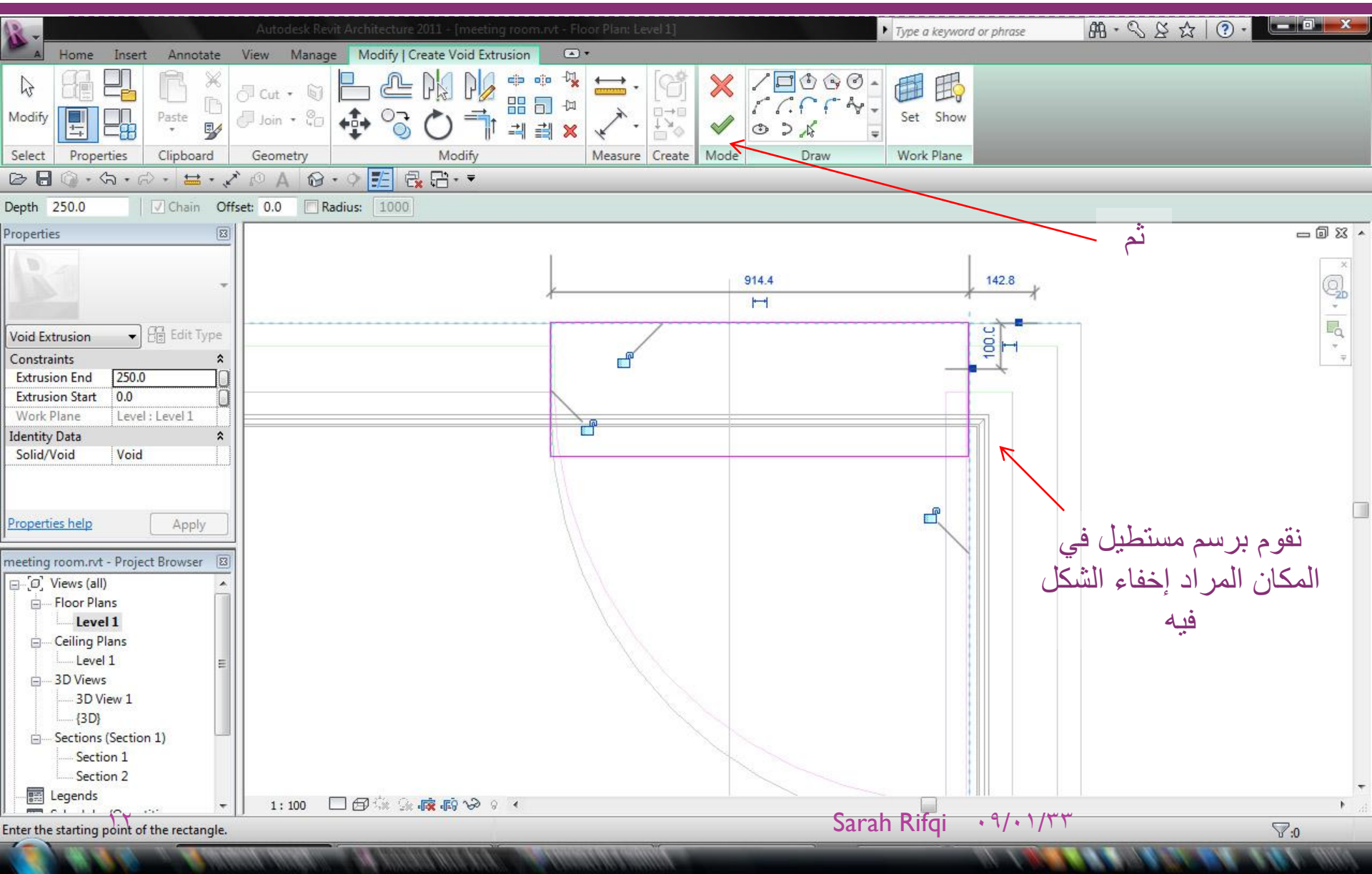


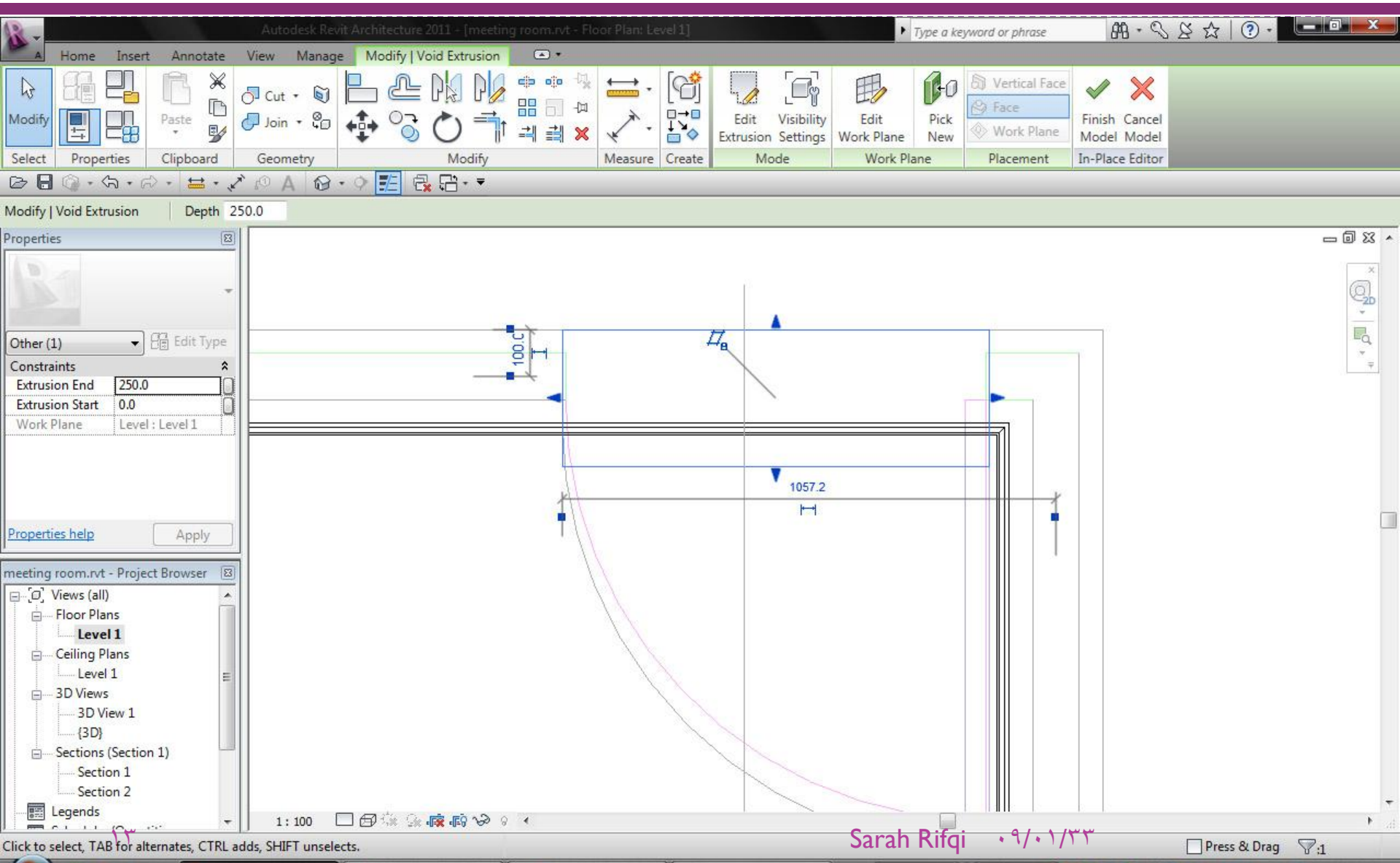

Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Wall
Door
Window
Component
Column
Roof
Ceiling
Floor
Curtain System
Curtain Grid
Mullion
Model Text
Model Line
Model Group
Railing
Ramp
Stairs
By Face
Shaft
Wall
Vertical
Dormer
Level
Grid
Room
Area
Legend
Tag
Set
Show
Ref Plane
Select
Build
Model
Circulation
Opening
Datum
Room & Area
Work Plane
Properties
3D View: {3D}
Edit Type
Graphics
View Scale
1 : 100
Scale Value 1:
100
Detail Level
Medium
Visibility/Grap...
Edit...
Visual Style
Shaded with...
Graphic Displ...
Edit...
Discipline
Architectural
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
لإزالة الجزء الزائد من
الوزرة أمام الباب
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Main Model
Press & Drag
Sarah Rifqi
٠٩/٠١/٣٣

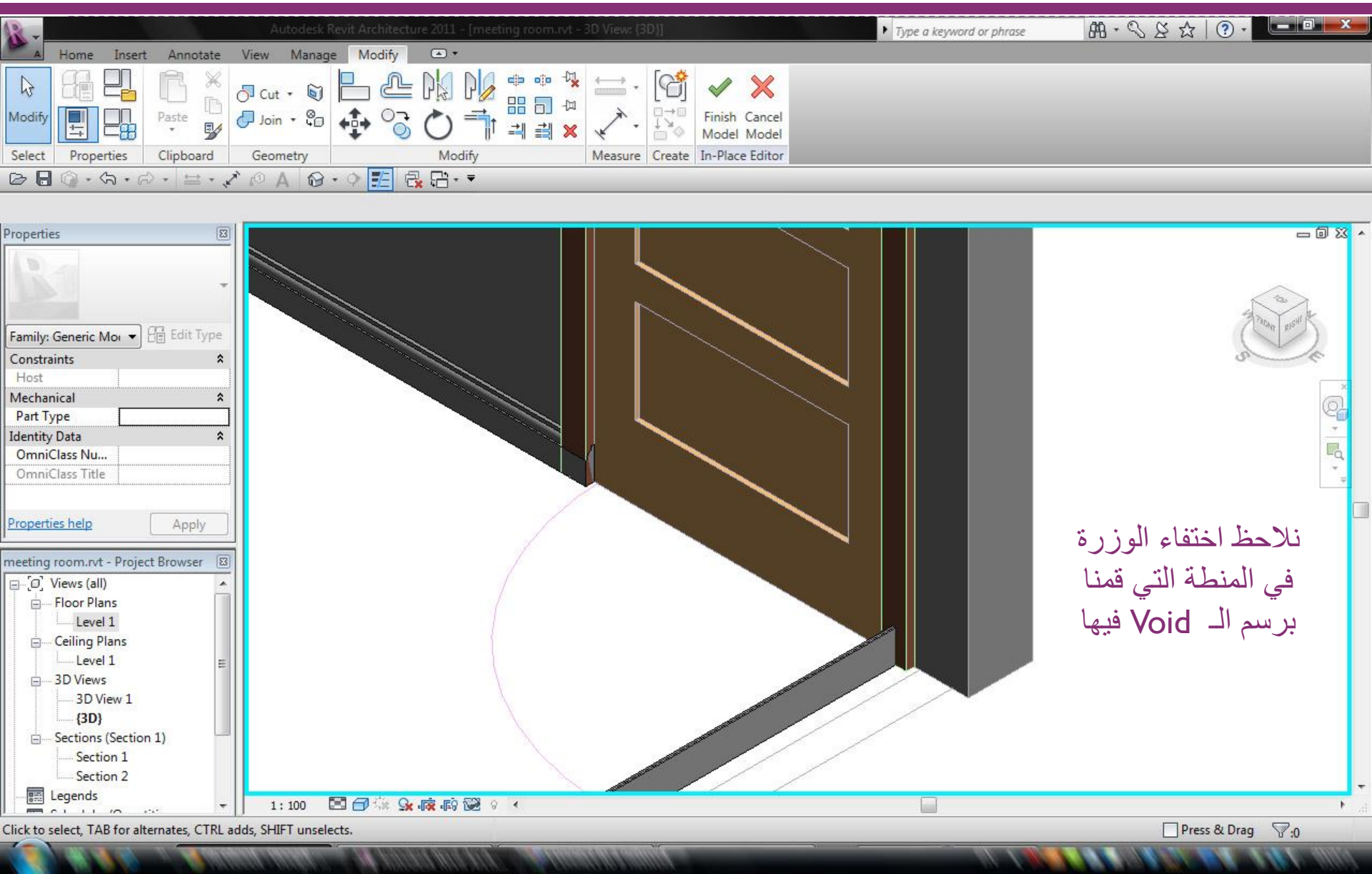

Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify | Generic Models
Modify
Select
Properties
Paste
Clipboard
Cope
Cut
Join
Geometry
Modify
View
Measure
Create
Edit In-Place
Related Hosts
Mass Floors
Model
Edit in Place
Modify | Generic Models
Properties
Generic Models (1)
Edit Type
Constraints
Moves With N...
Identity Data
Comments
Mark
Phasing
Phase Created
New Constr...
Phase Demoli...
None
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Main Model
Press & Drag

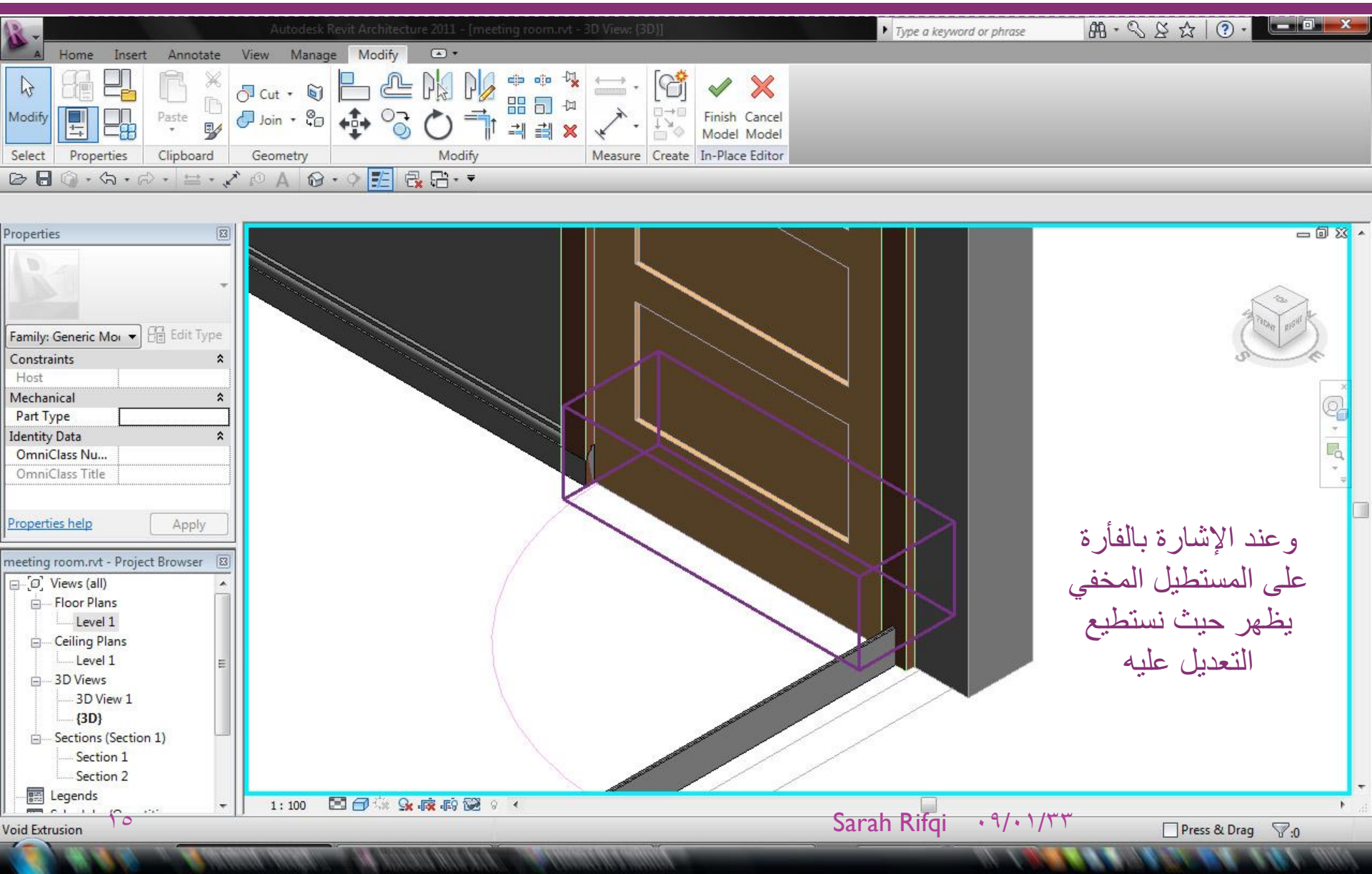

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify
Modify
Extrusion
Blend
Revolve
Sweep
Swept Blend
Void Forms
Model Line
Component
Model Text
Opening
Model Group
Control
Connector
Reference Line
Reference Plane
Set
Show
Finish Model
Cancel Model
Select
Properties
Forms
Model
Control
Connectors
Datum
Work Plane
In-Place Editor
Properties
Family: Generic Mo
Edit Type
Constraints
Host
Mechanical
Part Type
Identity Data
OmniClass Nu...
OmniClass Title
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
:0

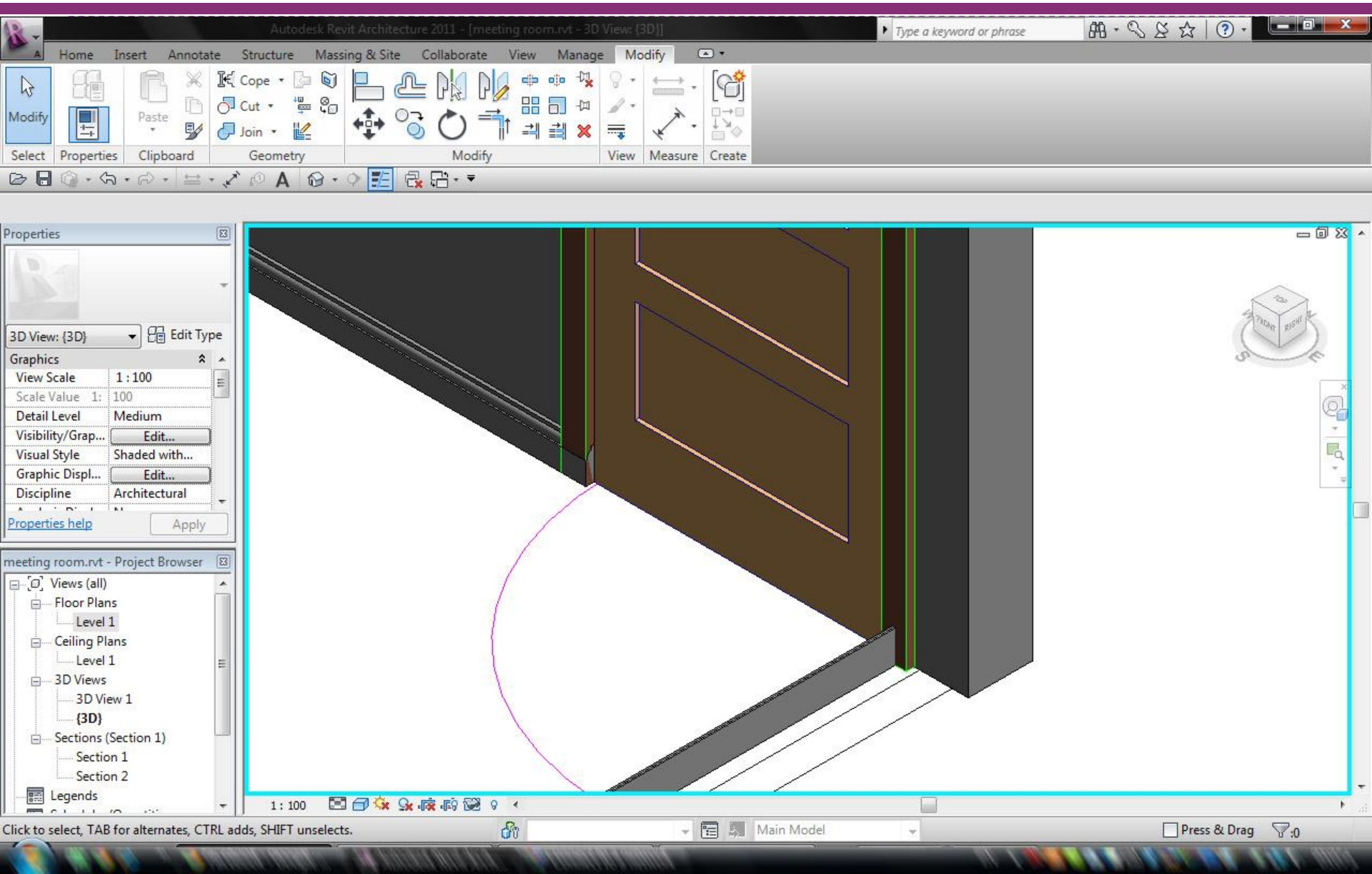

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify
Modify
Extrusion
Blend
Revolve
Sweep
Swept Blend
Void Forms
Model Line
Component
Model Text
Opening
Model Group
Control
Connector
Reference Line
Reference Plane
Set
Show
Finish Model
Cancel Model
Select
Properties
Forms
Model
Control
Connectors
Datum
Work Plane
In-Place Editor
Void Extrusion
Void B
Void R
Void S
Void Swept Blend
Void Extrusion
Creates a 3D shape that is then used to remove part of a solid 3D shape.
Press F1 for more help
نختار أمر Void Extrusion
Properties
Family: Generic Mo
Edit Type
Constraints
Host
Mechanical
Part Type
Identity Data
OmniClass Nu...
OmniClass Title
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
:0


Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify | Create Void Extrusion
Modify
Select
Properties
Clipboard
Geometry
Modify
Measure
Create
Mode
Draw
Work Plane
Set
Show
Depth 250.0
Chain
Offset: 0.0
Radius: 1000
Properties
Void Extrusion
Edit Type
Constraints
Extrusion End 250.0
Extrusion Start 0.0
Work Plane Level : Level 1
Identity Data
Solid/Void Void
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
914.4
142.8
100.0
1 : 100
Enter the starting point of the rectangle.
ثم
نقوم برسم مستطيل في
المكان المراد إخفاء الشكل
فيه

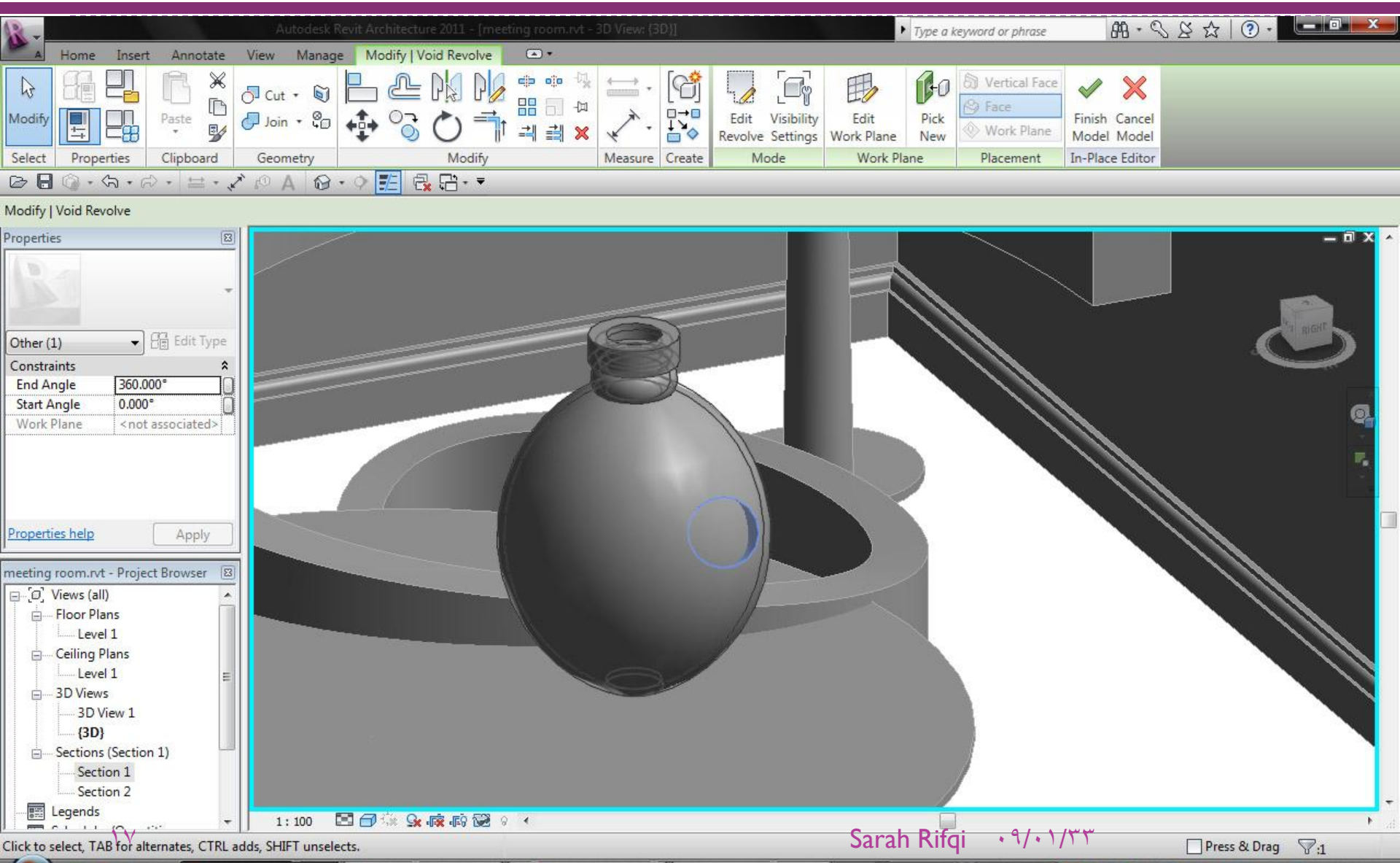

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify | Void Extrusion
Modify
Select
Properties
Clipboard
Cut
Join
Paste
Geometry
Modify
Measure
Create
Edit Extrusion
Visibility Settings
Mode
Edit Work Plane
Pick New
Work Plane
Vertical Face
Face
Work Plane
Placement
Finish Model
Cancel Model
In-Place Editor
Modify | Void Extrusion
Depth 250.0
Properties
Other (1)
Edit Type
Constraints
Extrusion End 250.0
Extrusion Start 0.0
Work Plane Level : Level 1
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
100.0
1057.2
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
:1

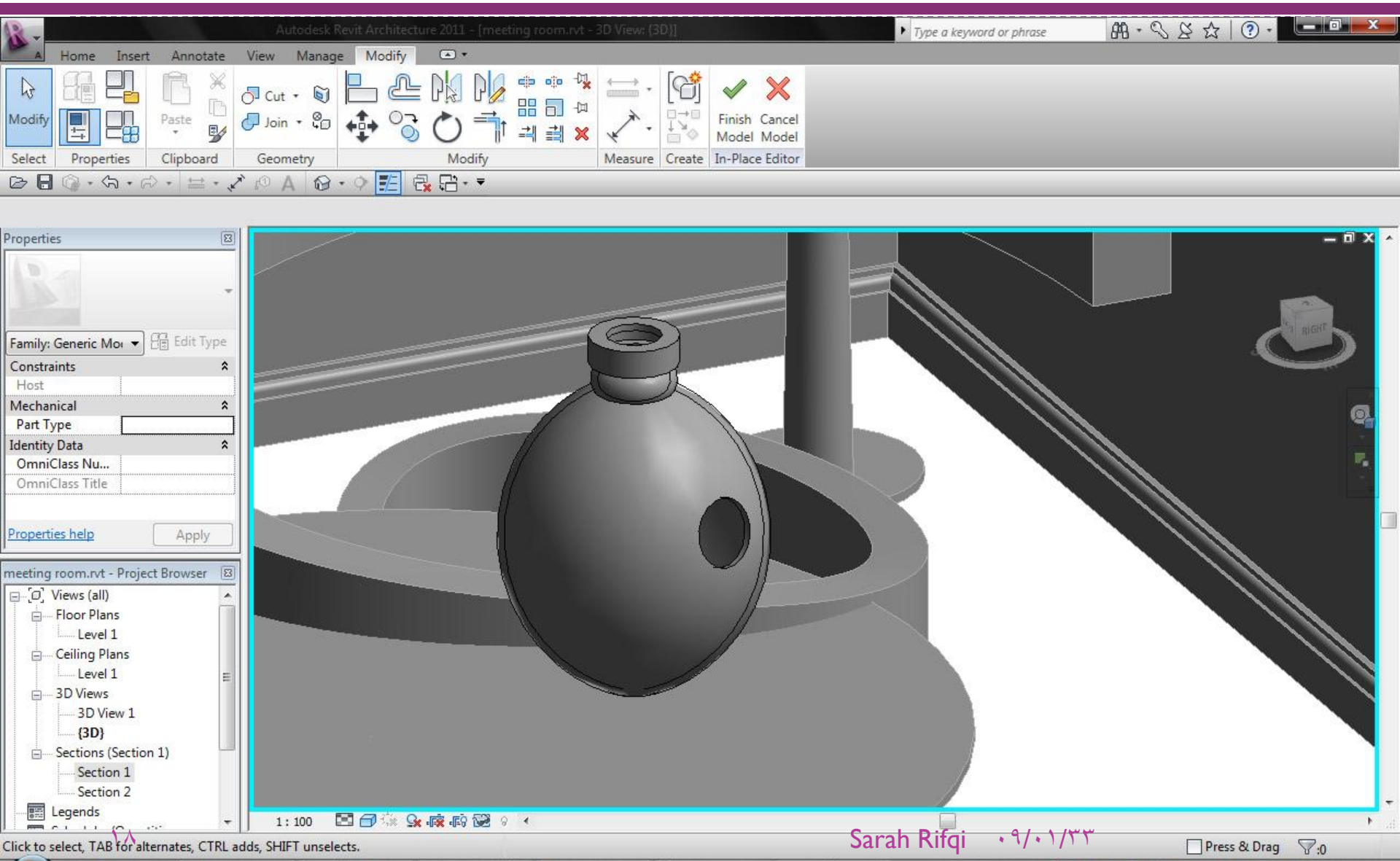

Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify
Modify
Cut
Join
Paste
Finish Model
Cancel Model
Select
Properties
Clipboard
Geometry
Modify
Measure
Create
In-Place Editor
Properties
Family: Generic Mo
Edit Type
Constraints
Host
Mechanical
Part Type
Identity Data
OmniClass Nu...
OmniClass Title
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
نلاحظ اختفاء الوزرة
في المنطقة التي قمنا
برسم الـ Void فيها


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify
Modify
Cut
Join
Paste
Finish Model
Cancel Model
Select
Properties
Clipboard
Geometry
Modify
Measure
Create
In-Place Editor
Properties
Family: Generic Mo
Edit Type
Constraints
Host
Mechanical
Part Type
Identity Data
OmniClass Nu...
OmniClass Title
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Void Extrusion
Press & Drag
وعند الإشارة بالفأرة
على المستطيل المخفي
يظهر حيث نستطيع
التعديل عليه

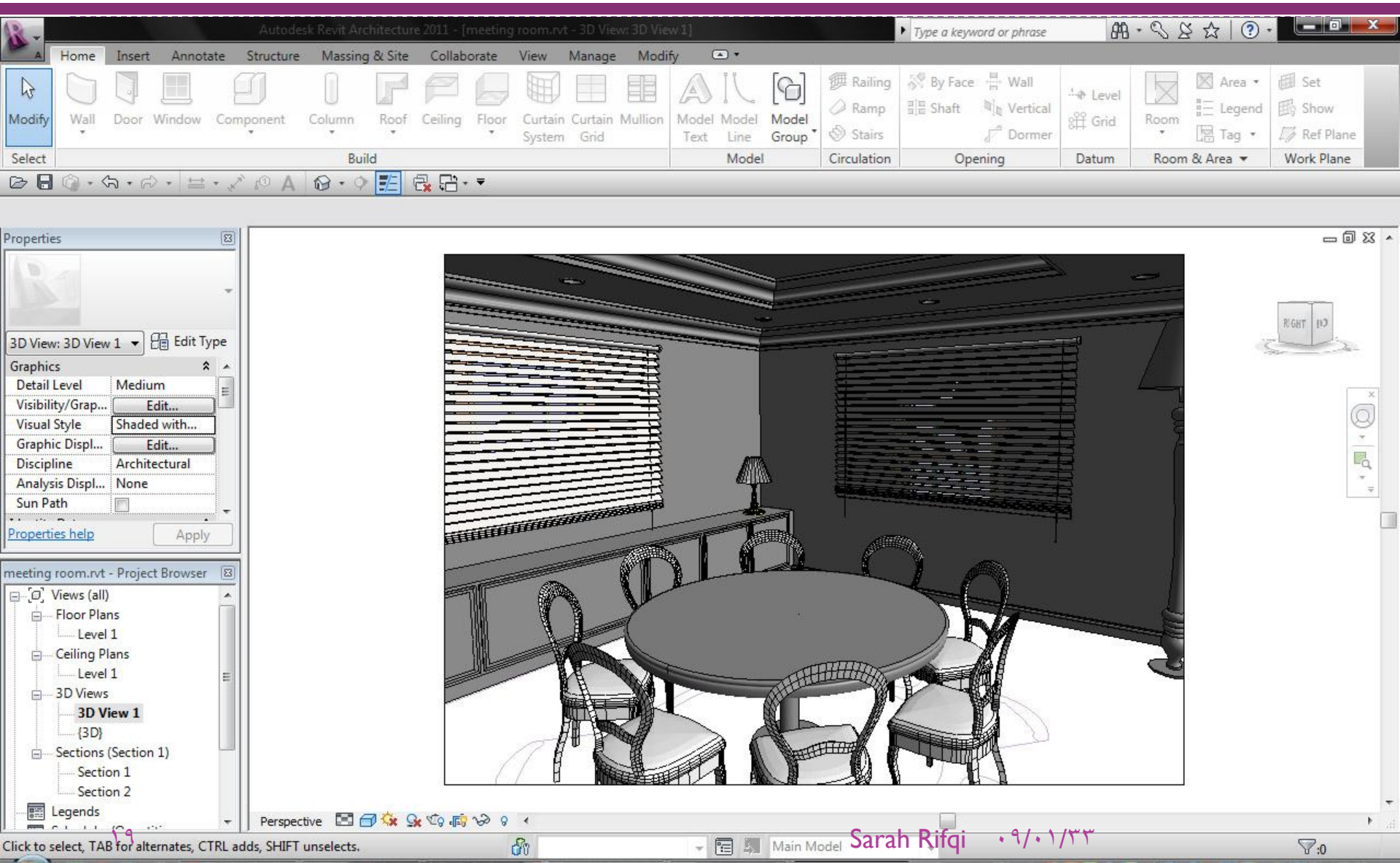

Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Paste
Cope
Cut
Join
Select
Properties
Clipboard
Geometry
Modify
View
Measure
Create
Properties
3D View: {3D}
Edit Type
Graphics
View Scale
1 : 100
Scale Value 1:
100
Detail Level
Medium
Visibility/Grap...
Edit...
Visual Style
Shaded with...
Graphic Displ...
Edit...
Discipline
Architectural
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Main Model
Press & Drag
:0

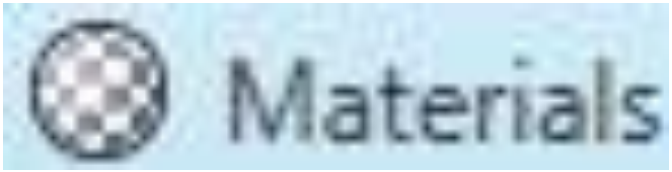
بنفس الطريقة السابقة نستطيع تطبيق جميع الأوامر بطريقة الـ Void للحذف من المجسمات




Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify
Modify
Cut
Join
Paste
Finish Model
Cancel Model
Select
Properties
Clipboard
Geometry
Modify
Measure
Create
In-Place Editor
Properties
Family: Generic Mo
Edit Type
Constraints
Host
Mechanical
Part Type
Identity Data
OmniClass Nu...
OmniClass Title
Properties help
Apply
meeting room.rvt - Project Browser
Views (all)
Floor Plans
Level 1
Ceiling Plans
Level 1
3D Views
3D View 1
{3D}
Sections (Section 1)
Section 1
Section 2
Legends
RIGHT
1 : 100
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.
Press & Drag
:0

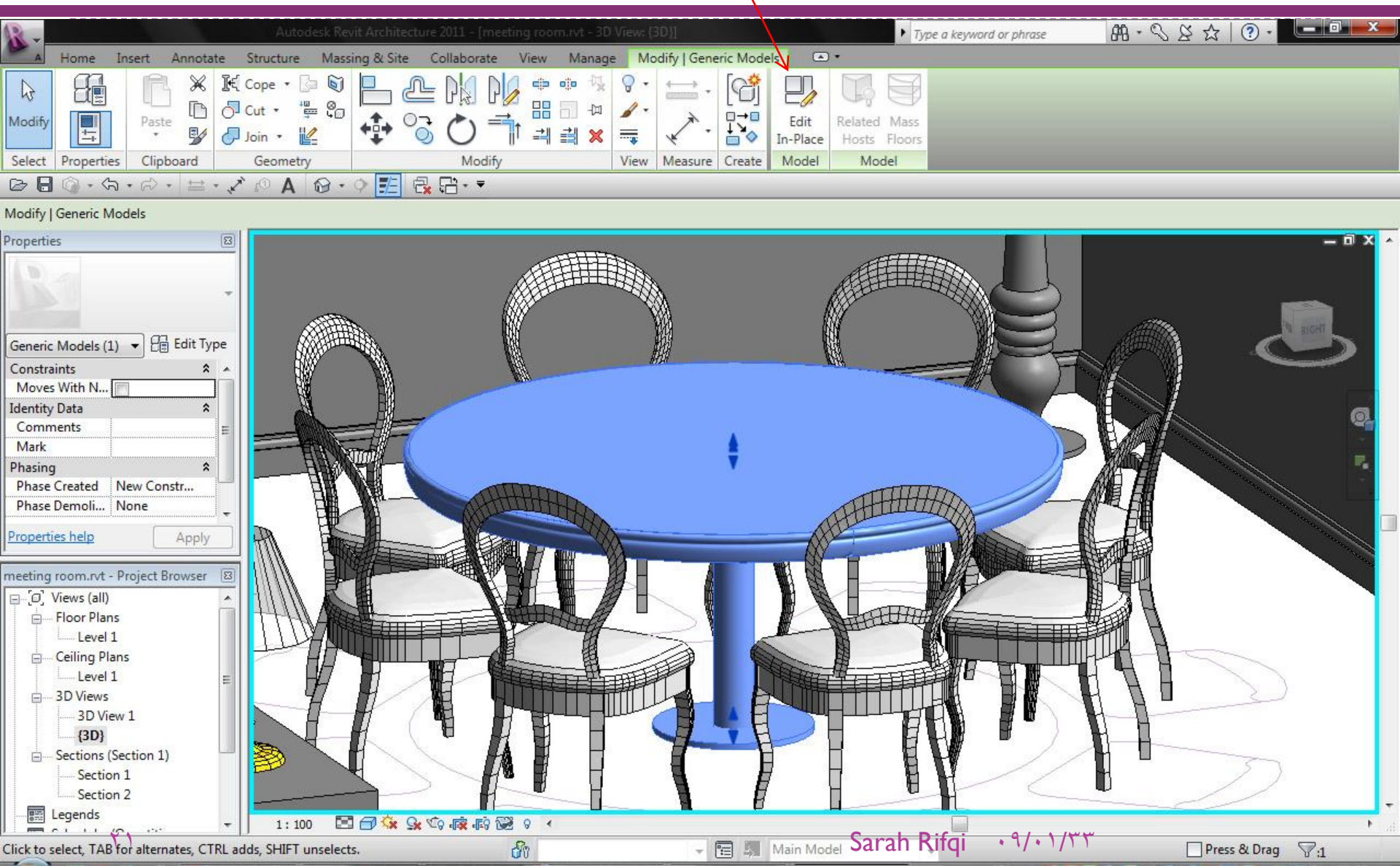
بعد الكتمال الفراغ باستخدام الأوامر السابق تعلمها .. تظهر بالشكل التالي ..



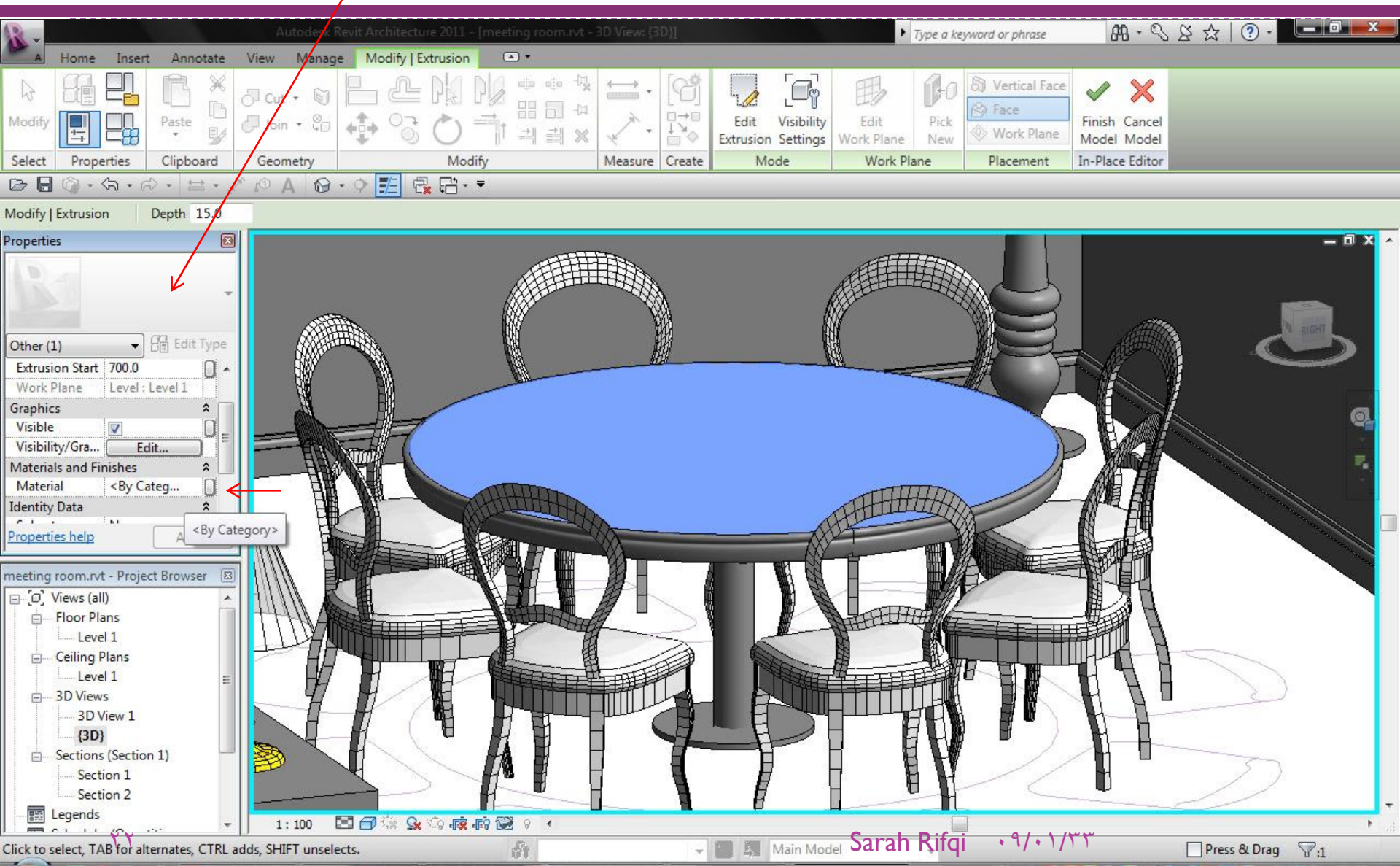


Materials الخامات

لتغيير خامات المجسمات : نحدد المجسم ثم نختار أمر التعديل Edit In Place

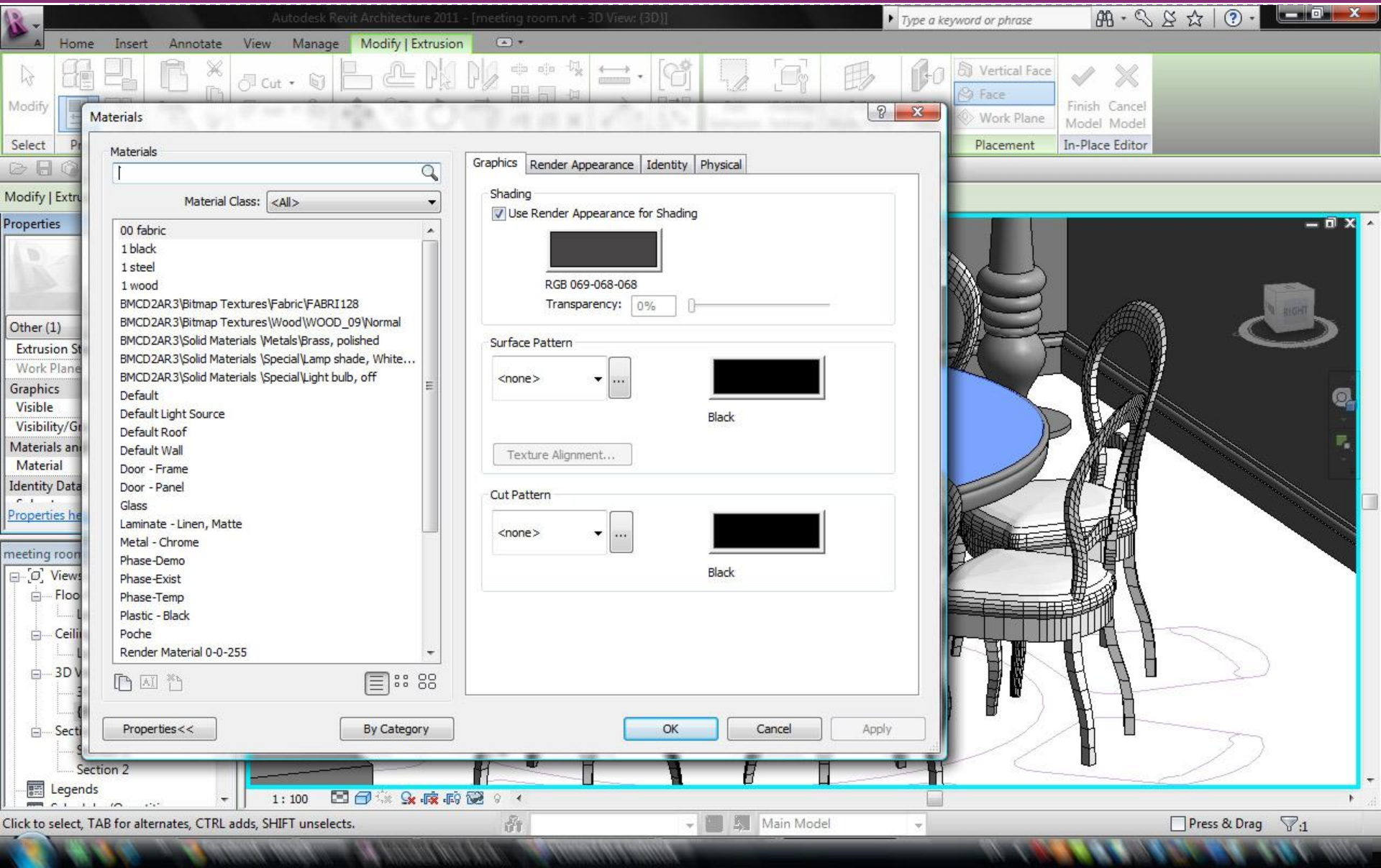


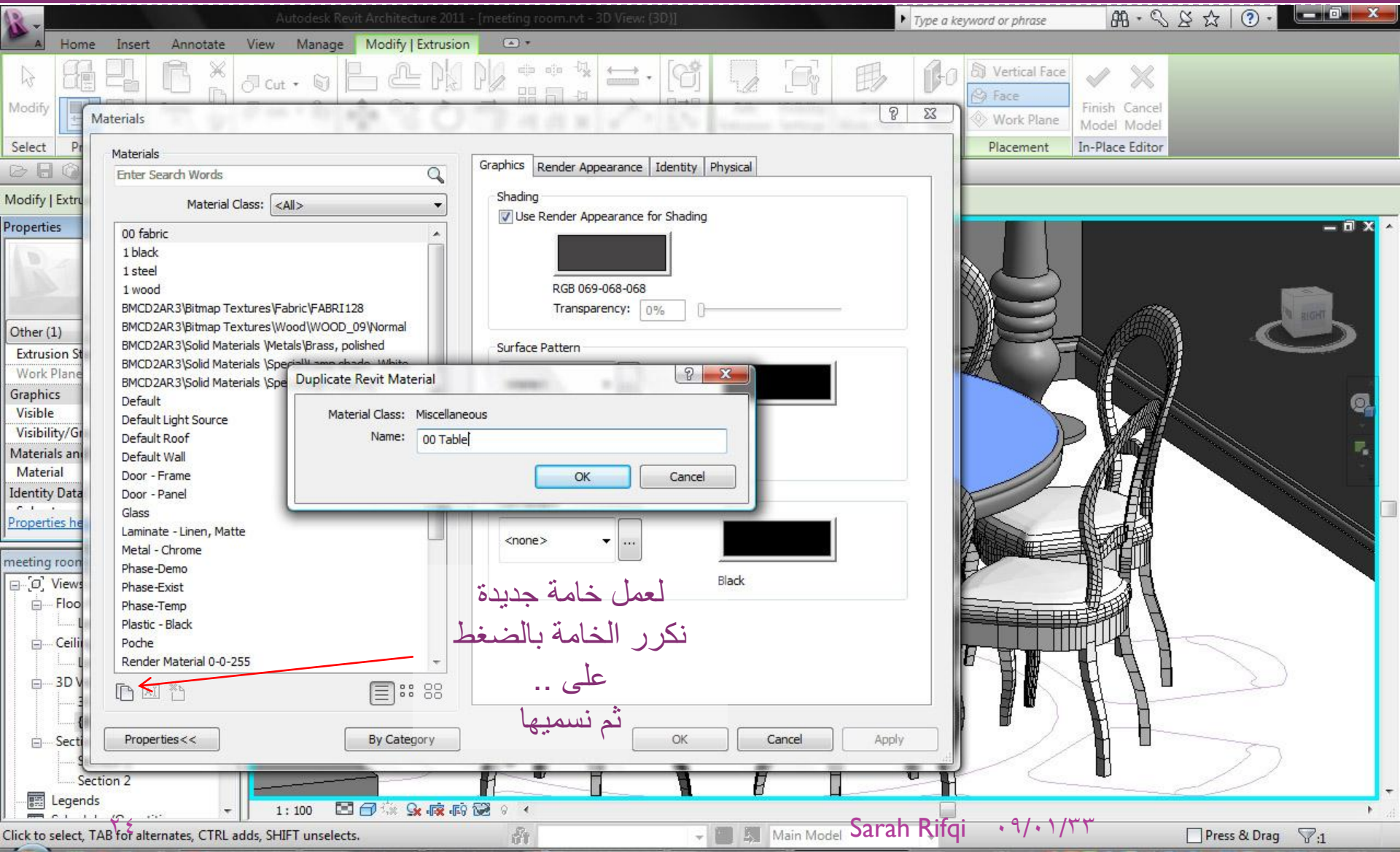
لتغيير السطح العلوي للطاولة مثلاً نحددها ثم نختار من قائمة الخيارات Material



Sarah Rifqi

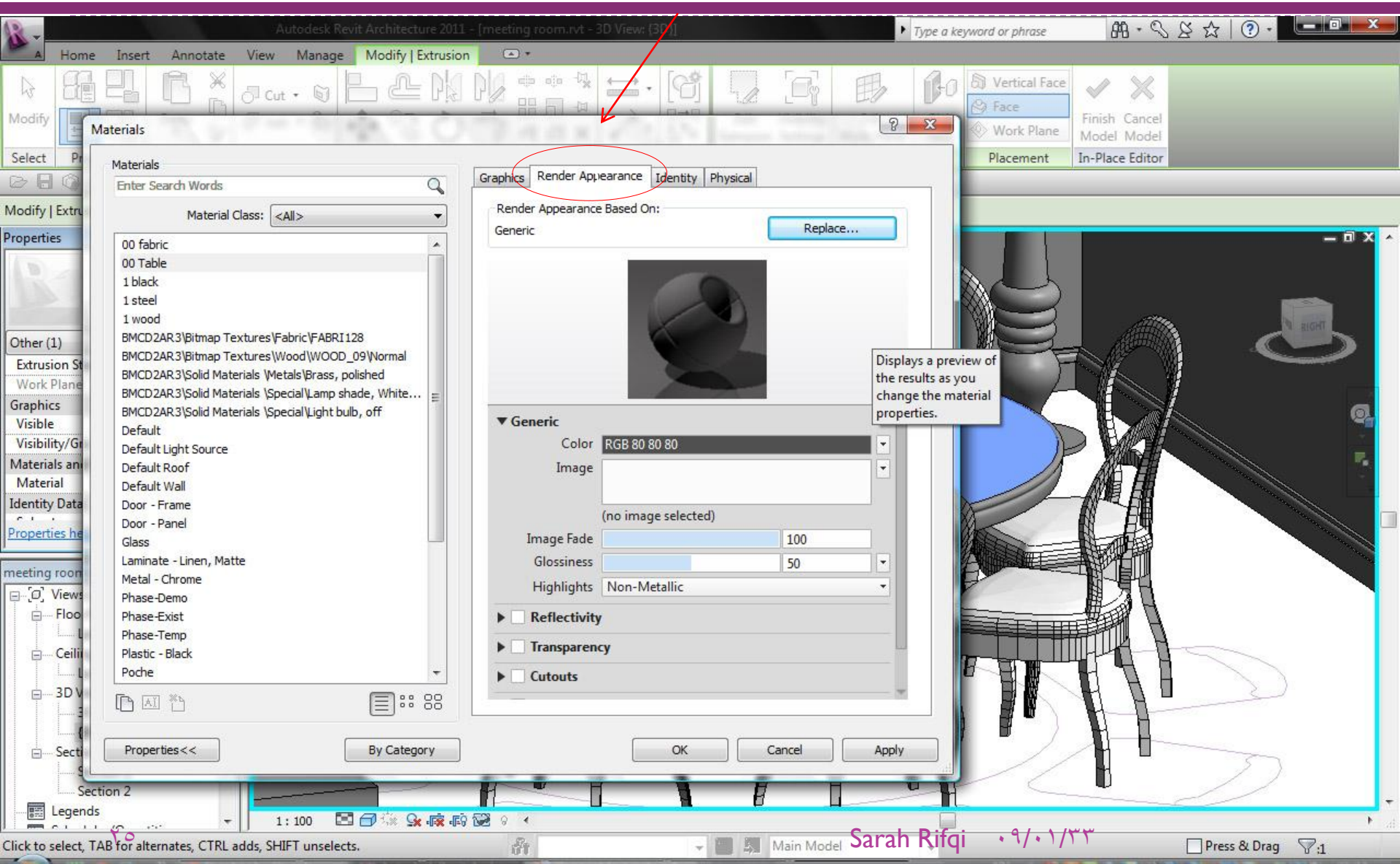
ثم تظهر قائمة الخامات الجاهزة من البرنامج



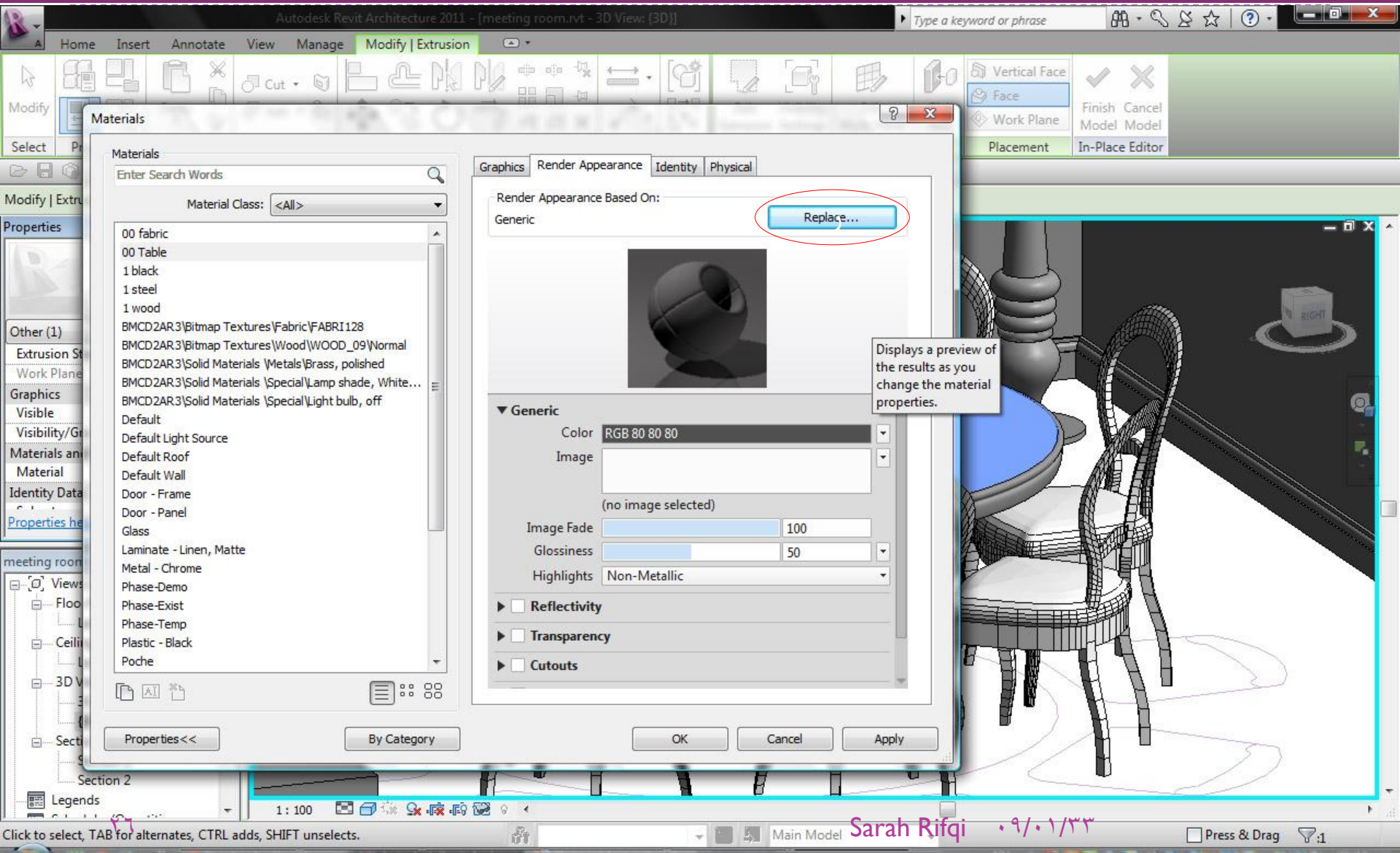


لعمل خامة جديدة
نكرر الخامة بالضغط
على ..
ثم نسميها

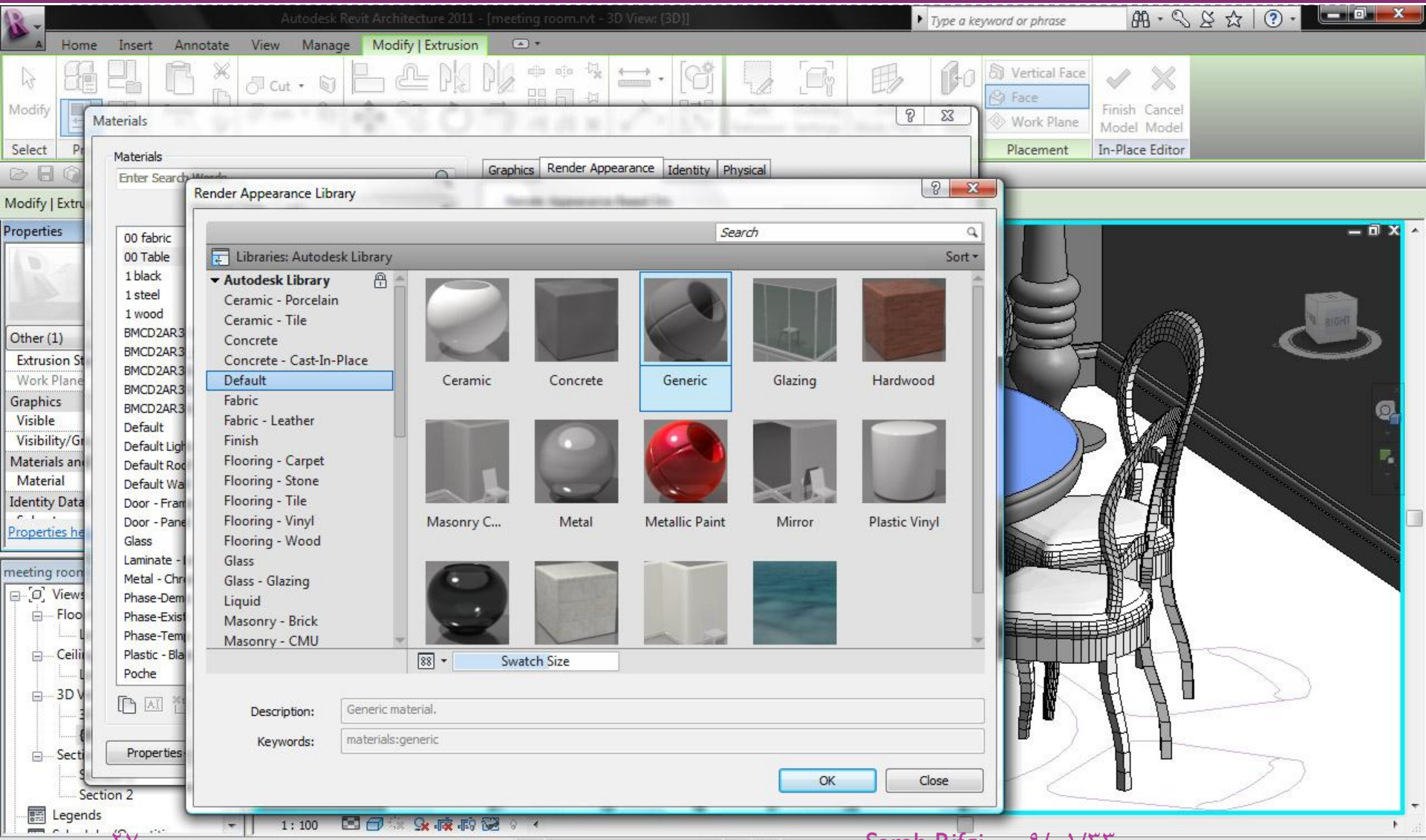
هذه النافذة تستعرض شكل
الخامة ومواصفاتها
وتبديلها بخامة أخرى

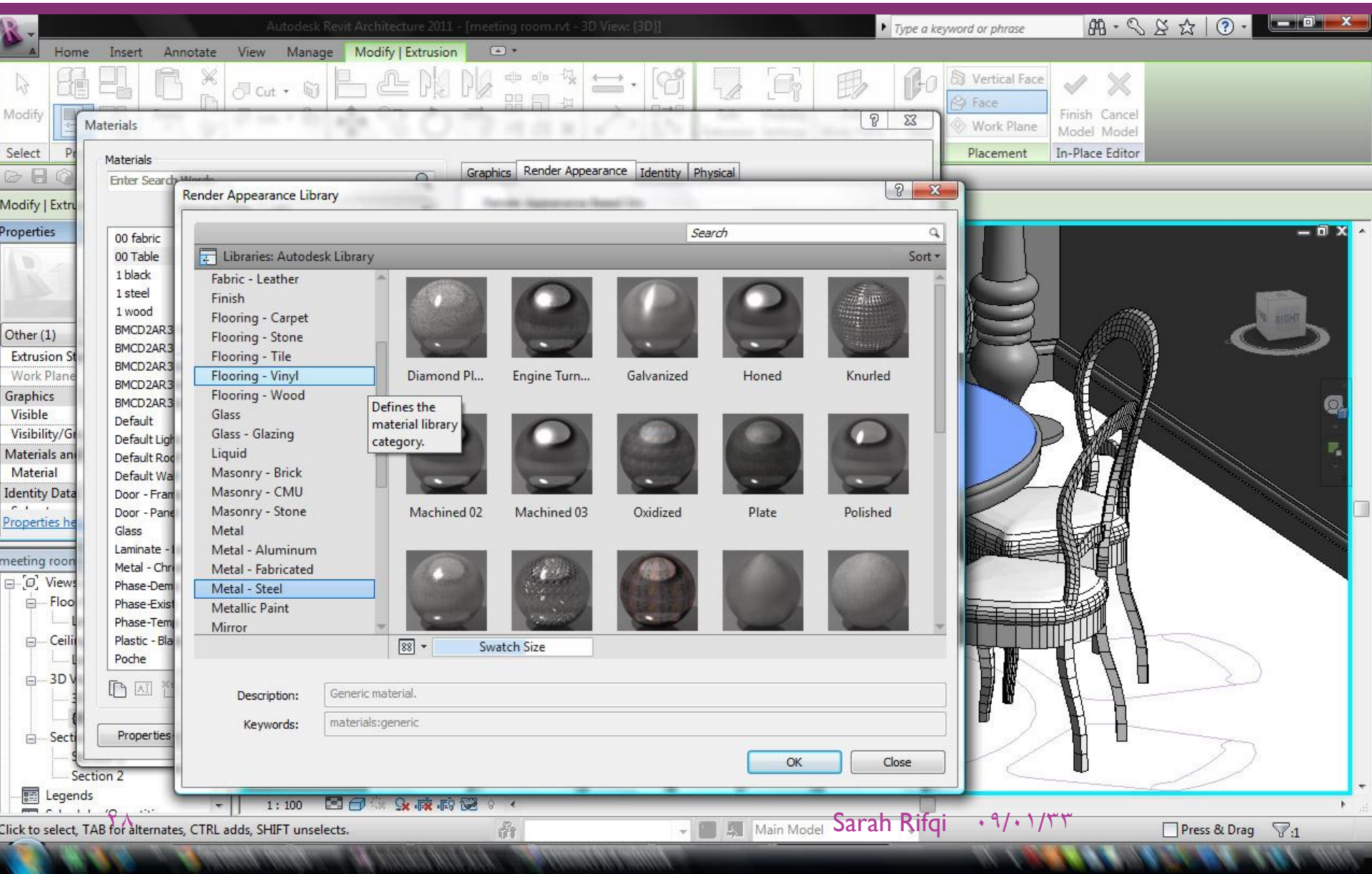


نختار Replaceلتغيير
الخامة الموجودة



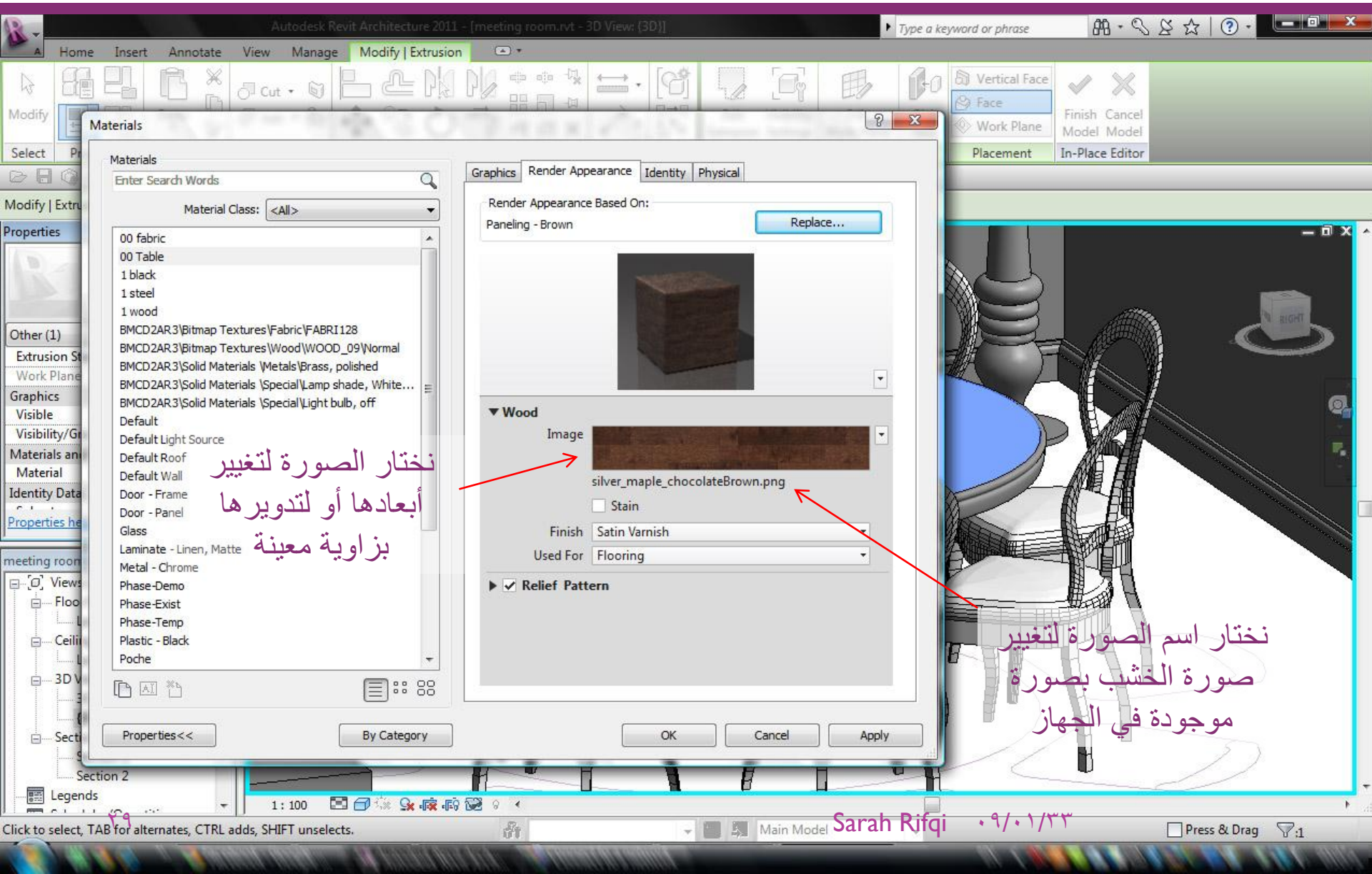
تظهر أنواع الخامات (حجر ، بلاط ، زجاج ،
خشب ، قماش .....)



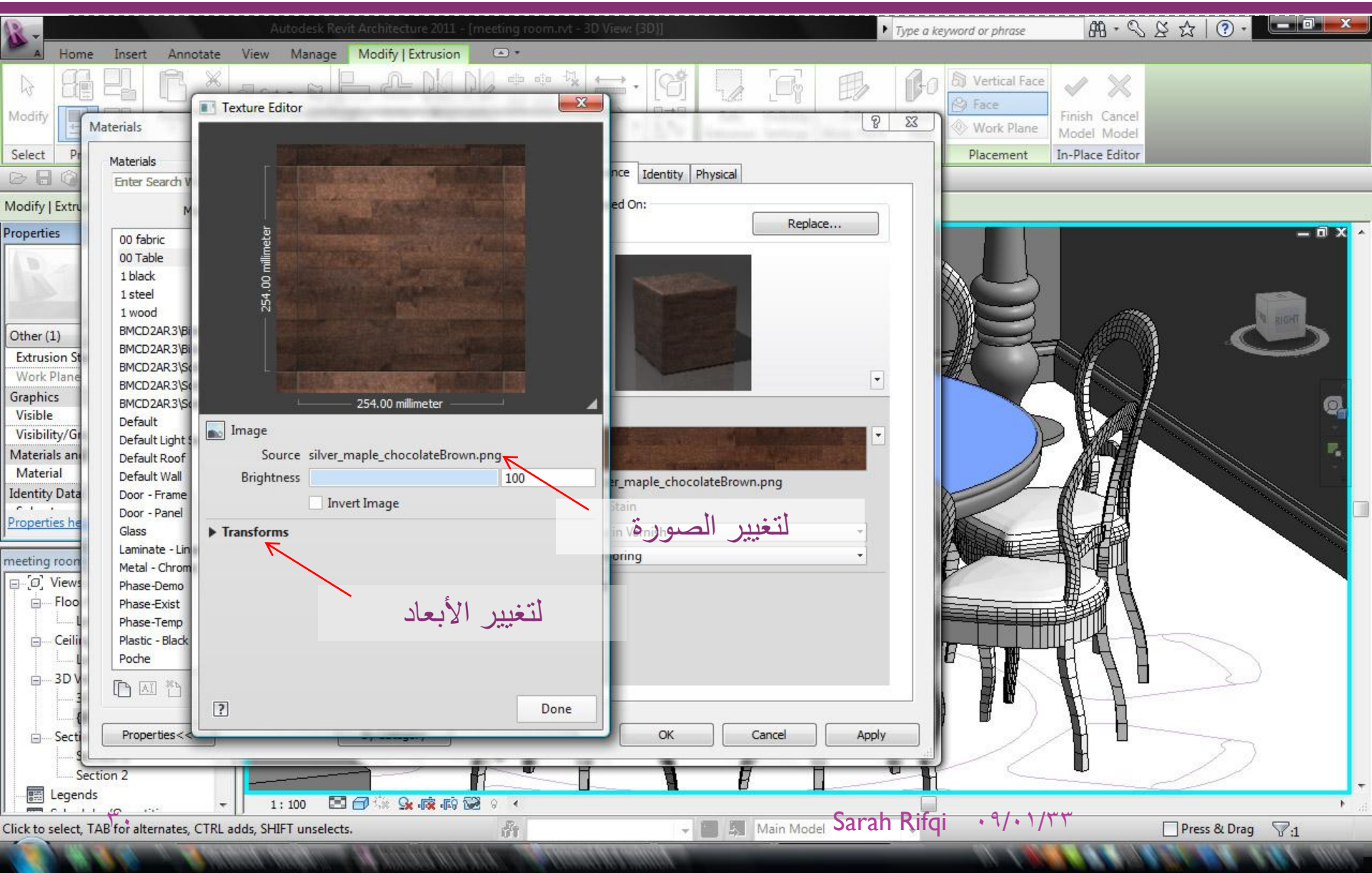


Sarah Rifqi ٠٩/٠١/٣٣

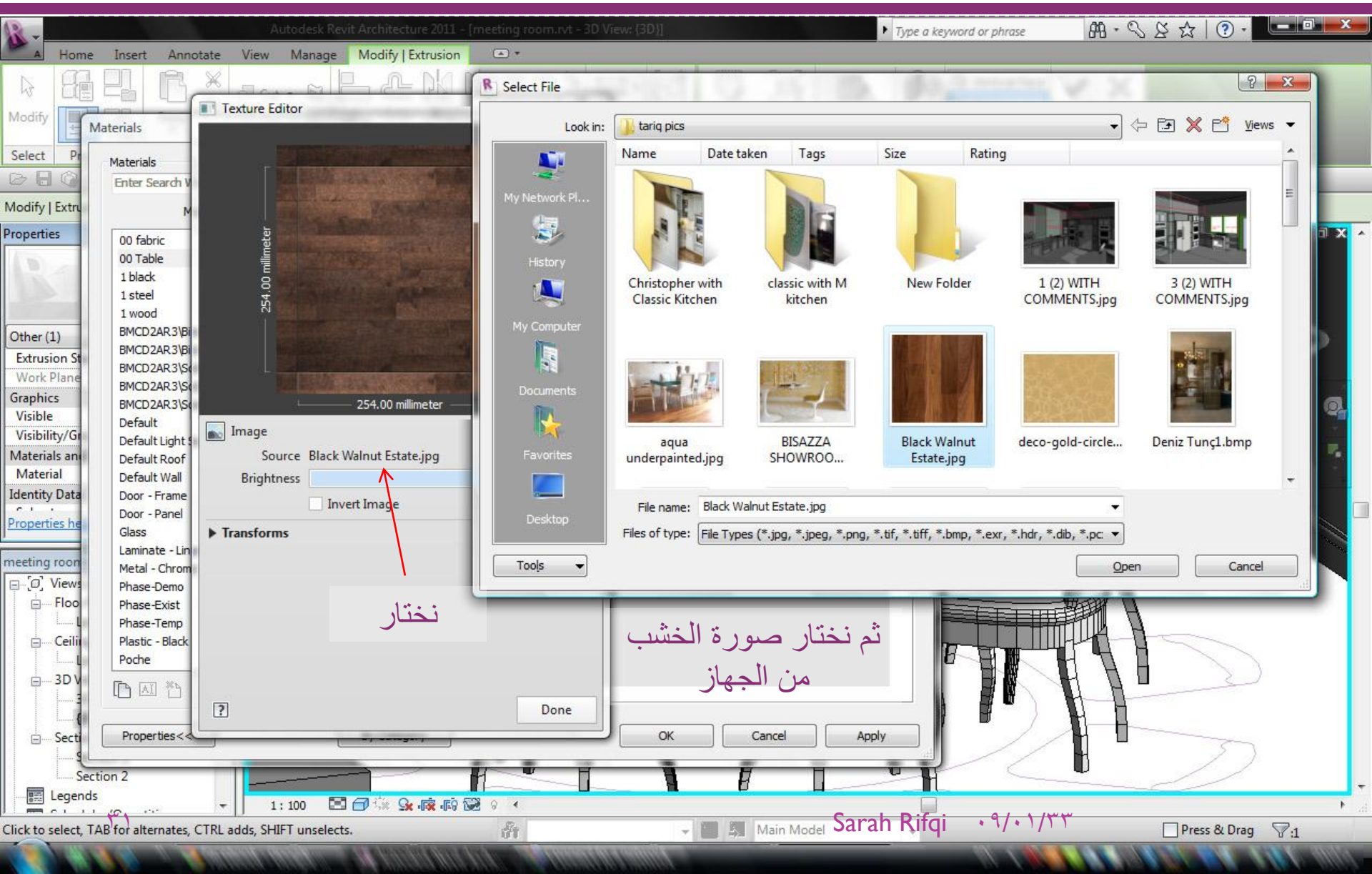
على سبيل المثال قمنا باختيار خامة الخشب



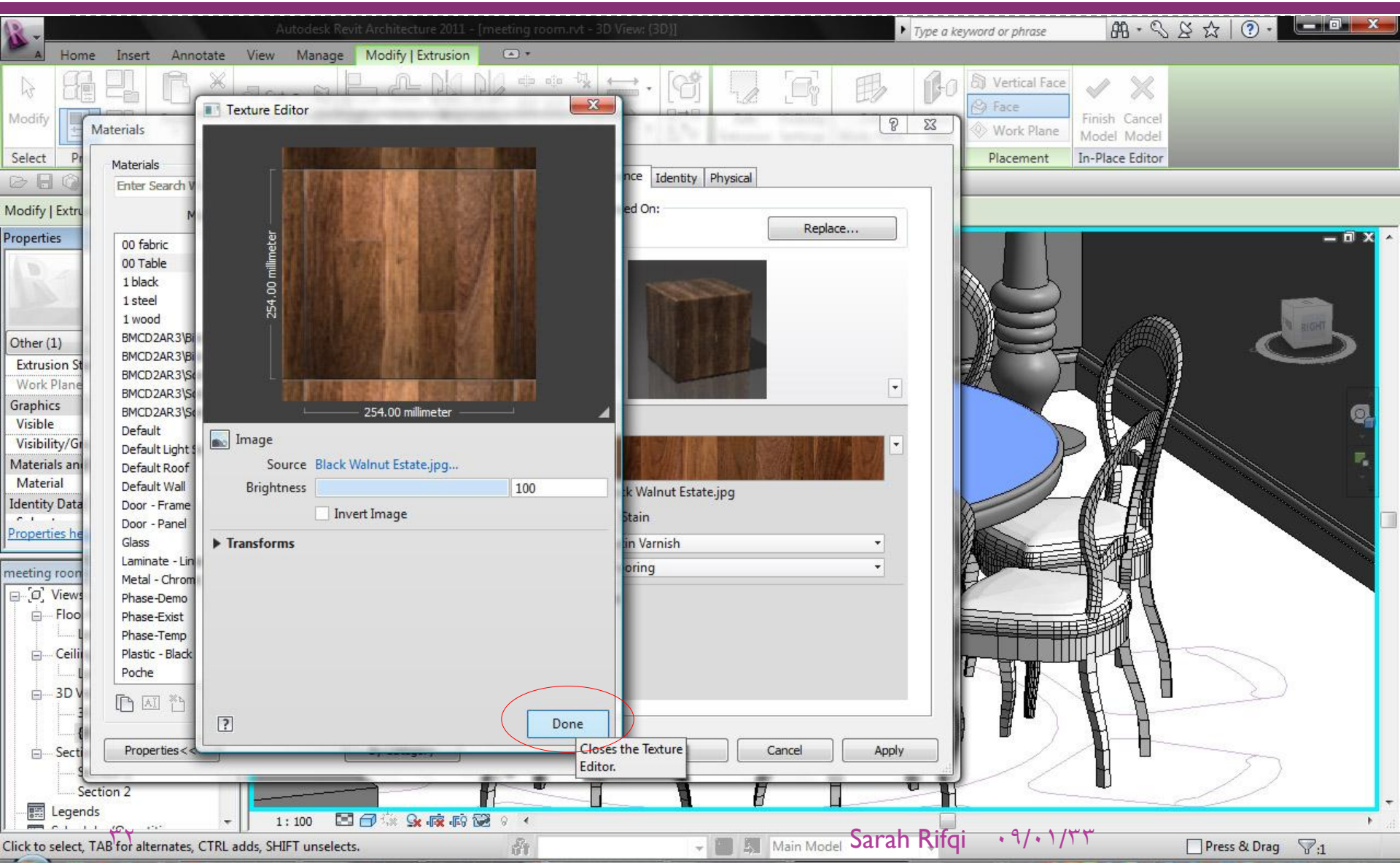
بعد اختيار الصورة

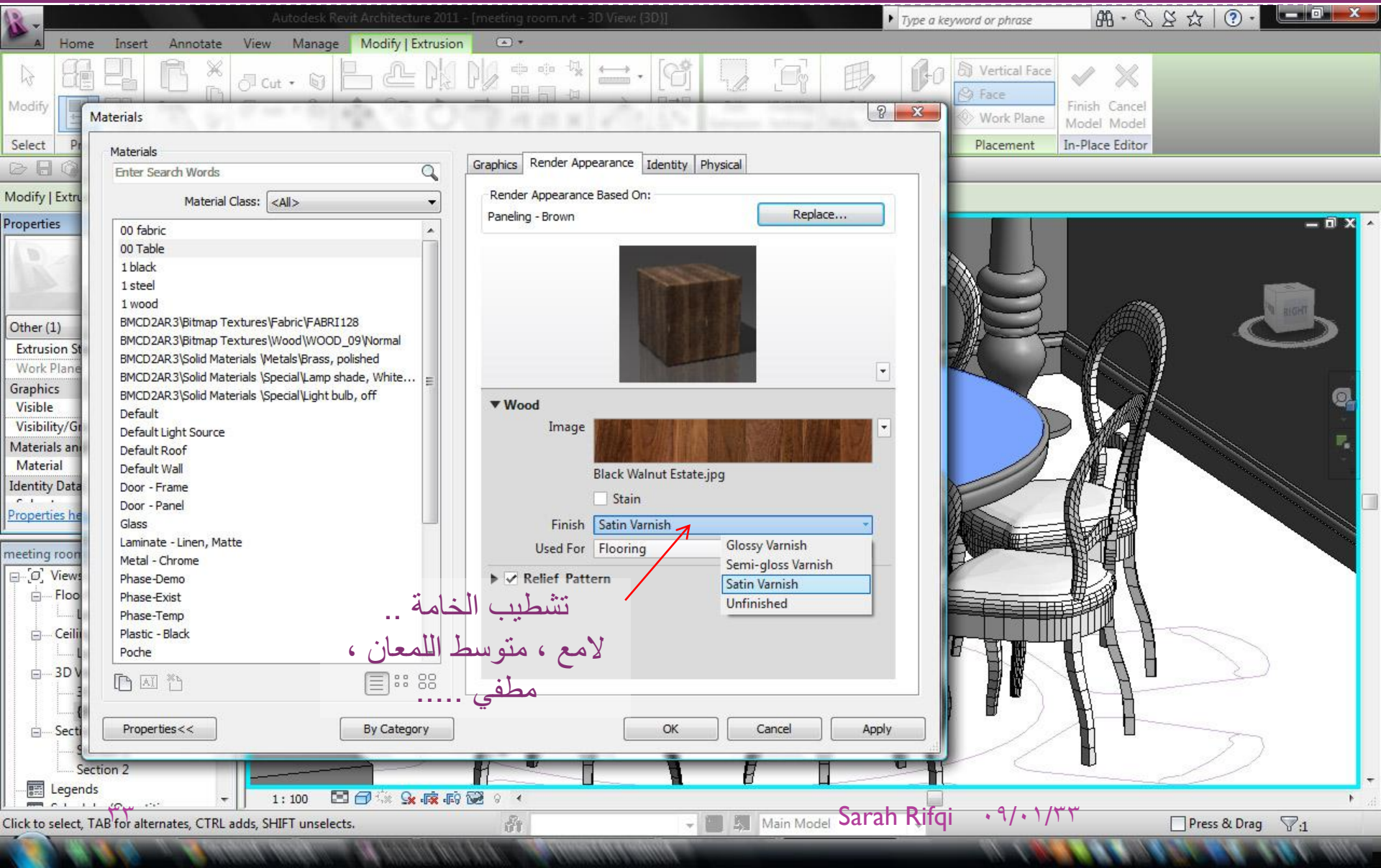


على سبيل المثال نريد تغيير الصورة

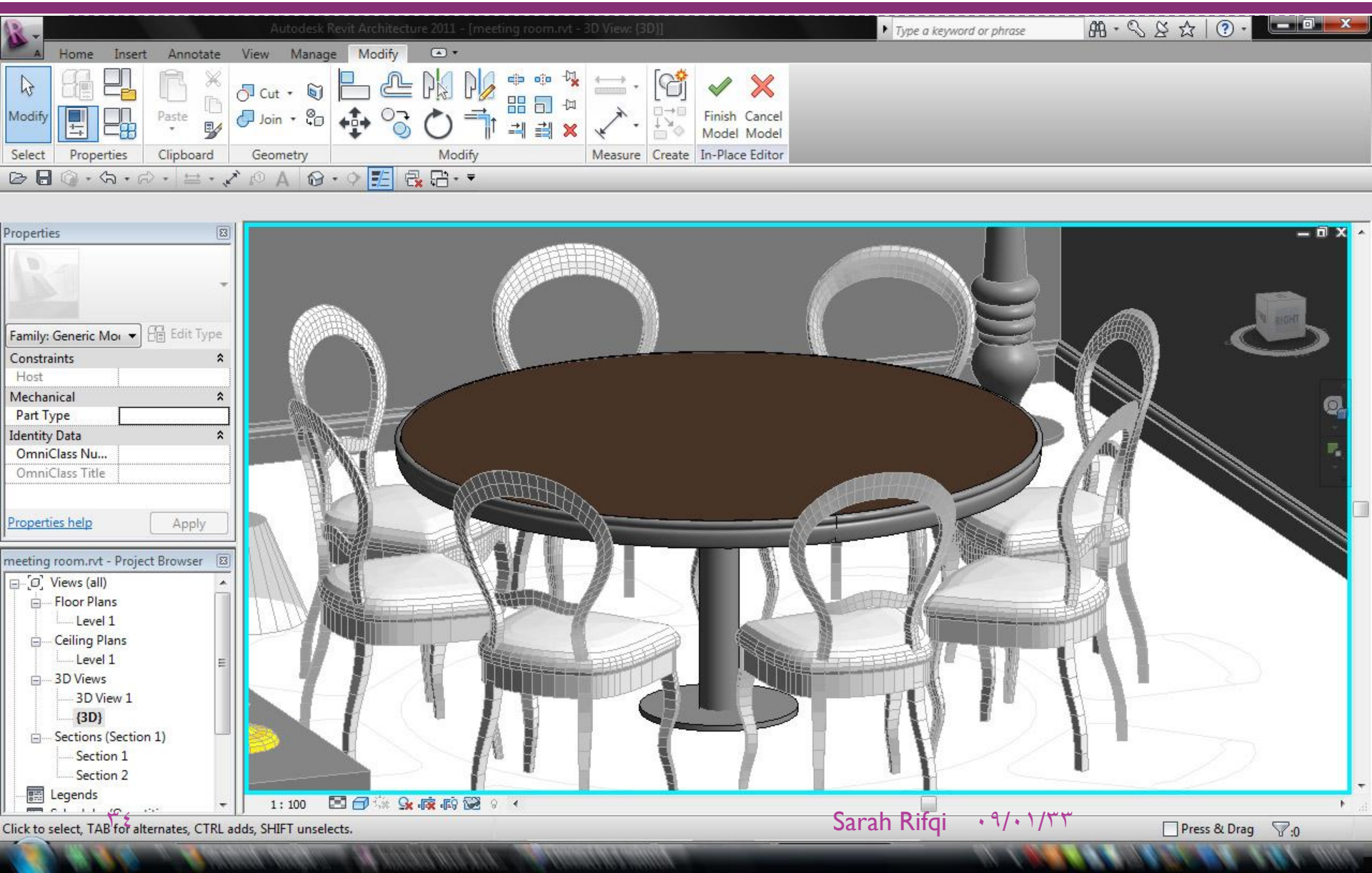


Sarah Rifqi


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
View
Manage
Modify | Extrusion
Vertical Face
Face
Work Plane
Placement
Finish Model
Cancel Model
In-Place Editor
Texture Editor
254.00 millimeter
254.00 millimeter
Image
Source
Black Walnut Estate.jpg...
Brightness
100
Invert Image
Transforms
Done
Closes the Texture Editor.
Materials
Identity
Physical
Replace...
Cancel
Apply
Properties
Other (1)
Graphics
Visible
Material
Identity Data
Legends
Section 2
1 : 100
Main Model
Press & Drag
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

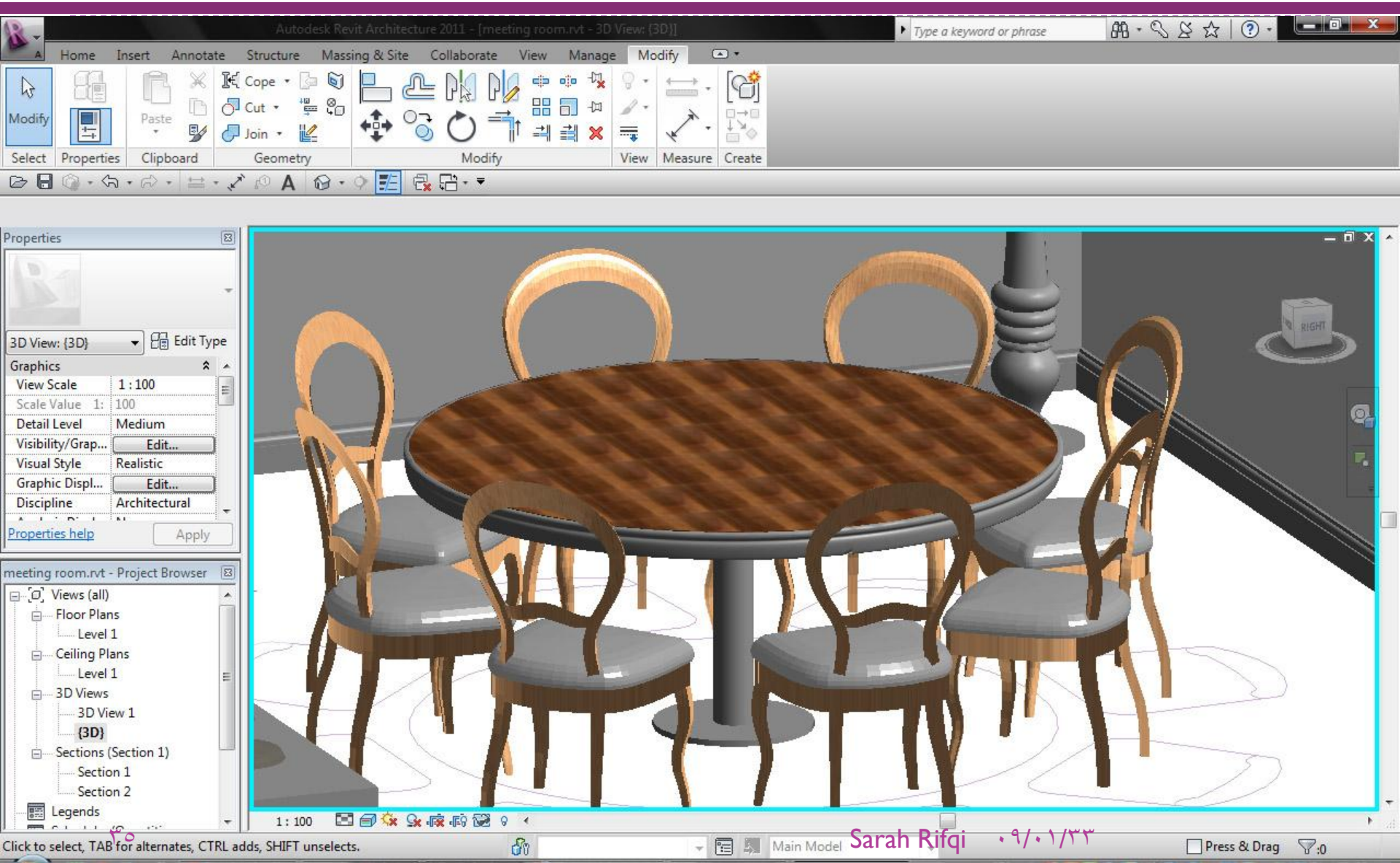


تشطيب الخامة ..
لامع ، متوسط اللمعان ،
مطفي .....

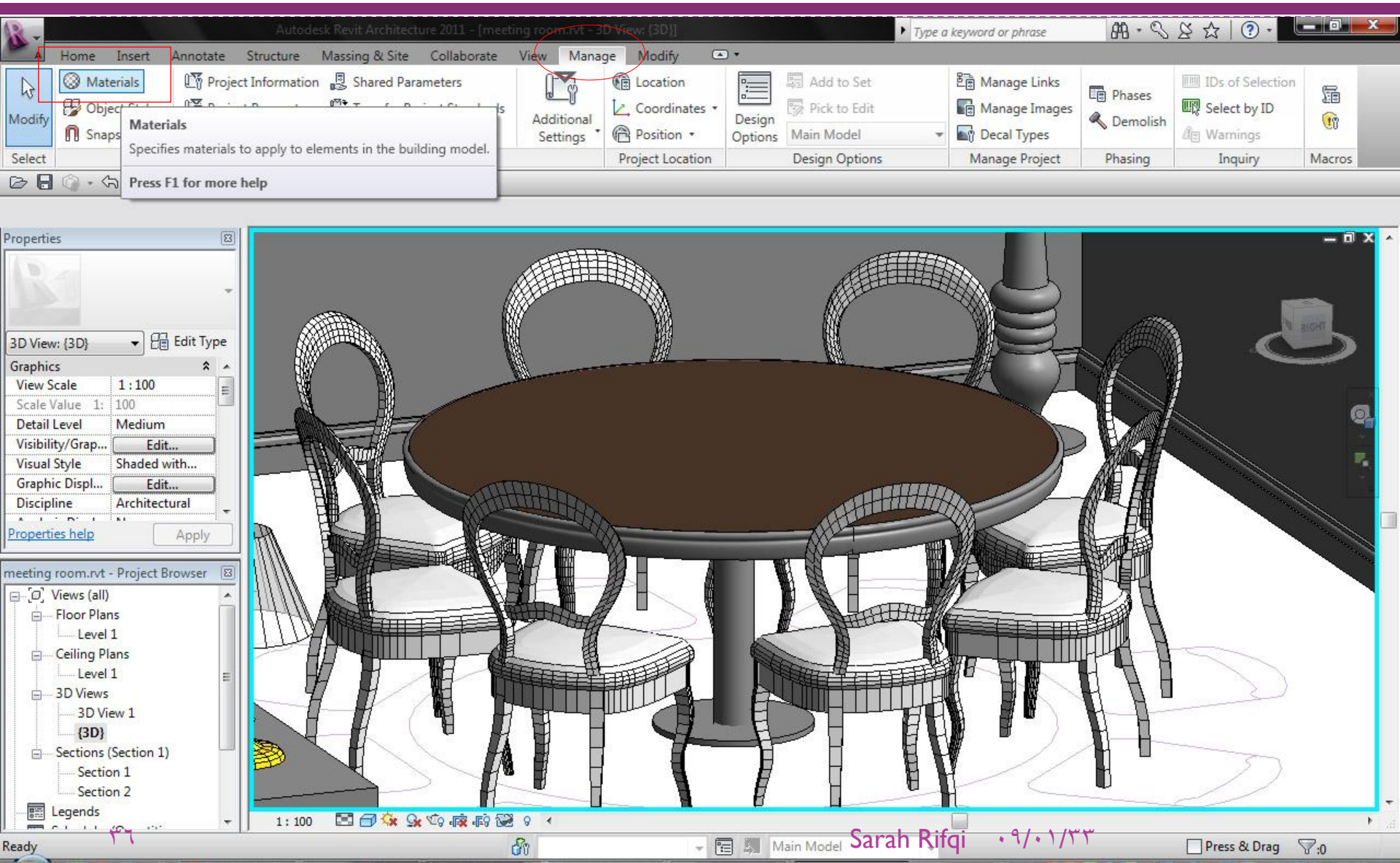


Sarah Rifqi ٠٩/٠١/٣٣

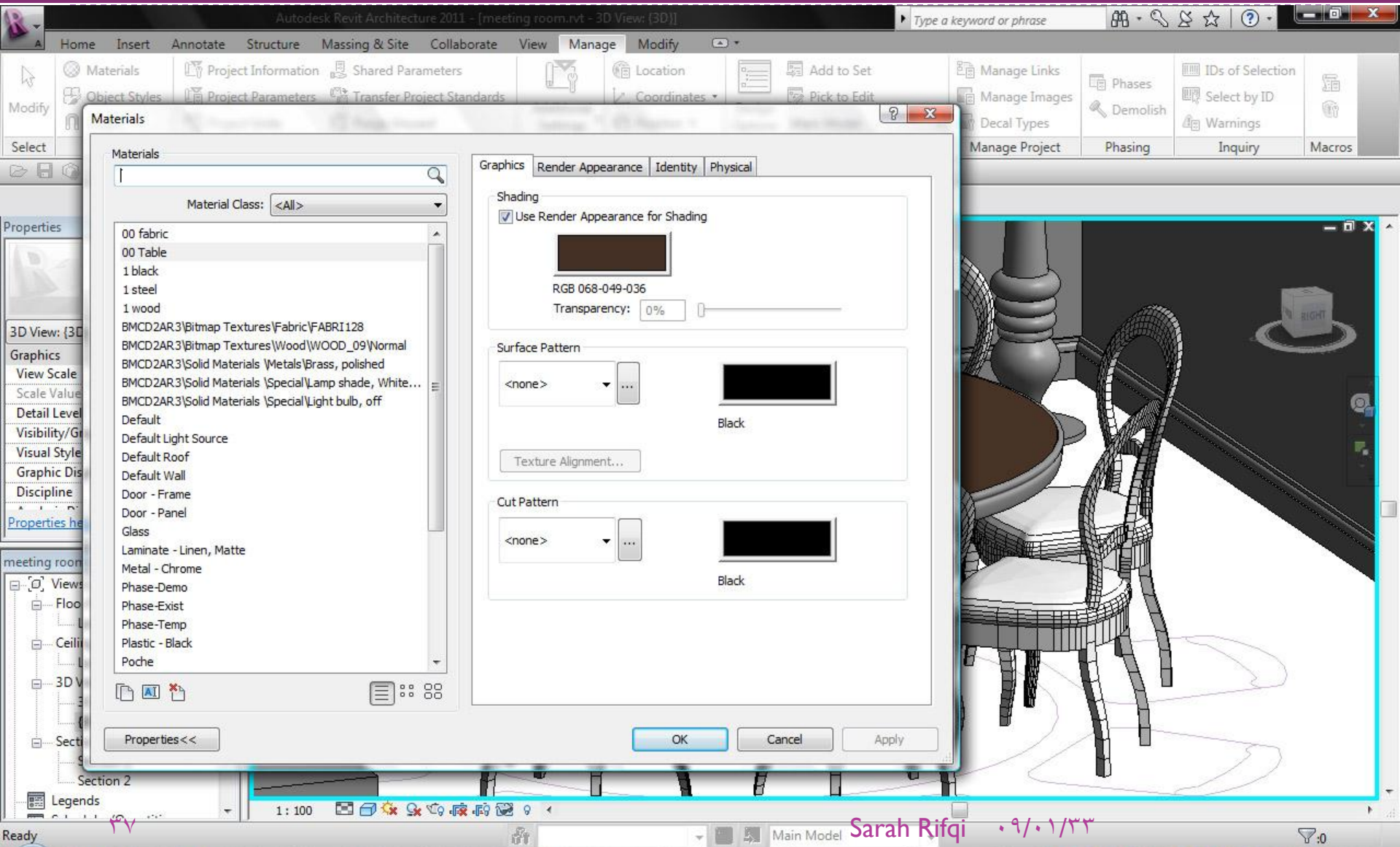
ستظهر الخامة بعد الإخراج النهائي بهذا الشكل



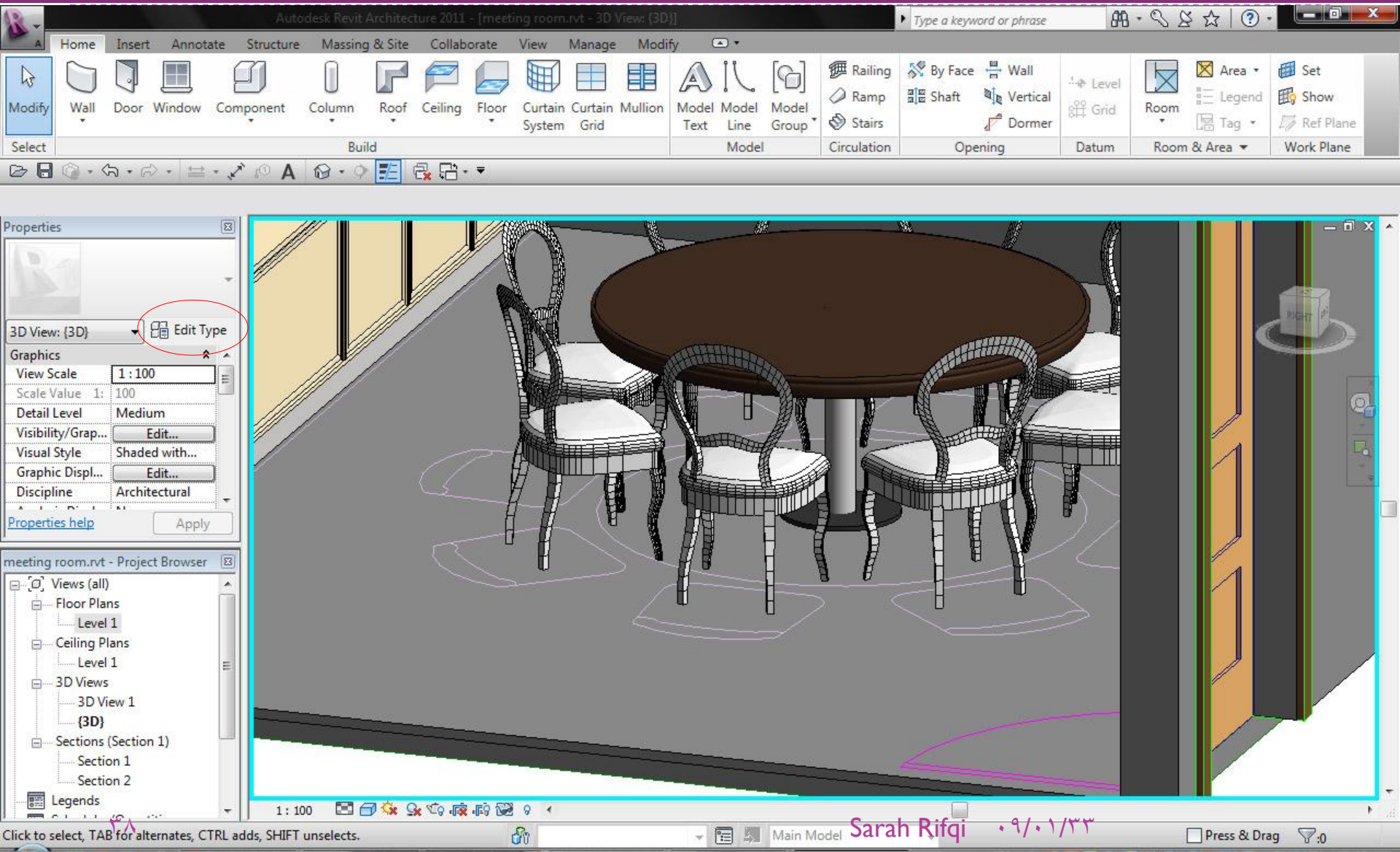
للتعديل على الخامة دون الرجوع إلى الشكل ثم Edit In Place.... نختار قائمة :

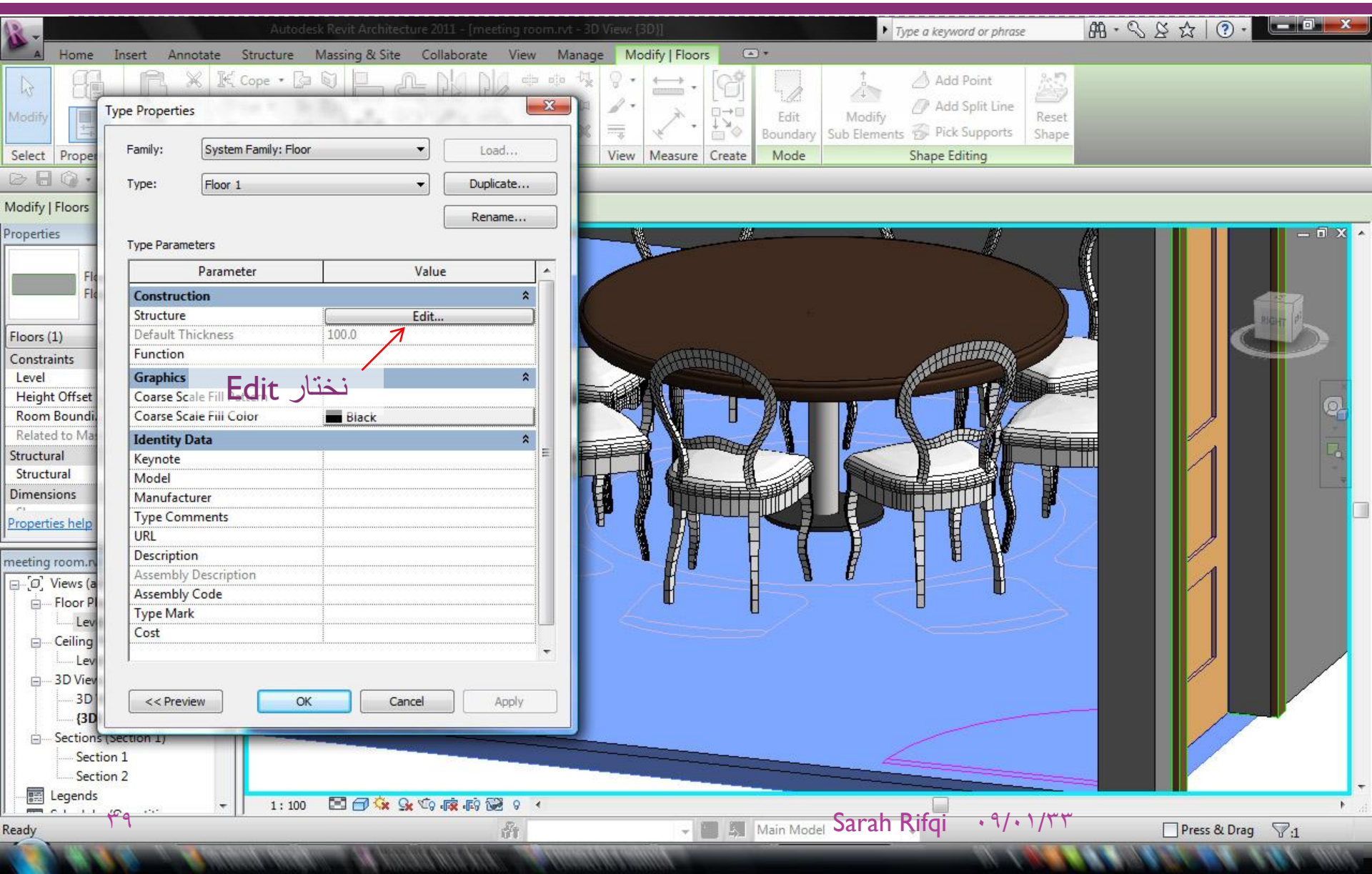


جميع الخامات التي قمنا بعملها للمشروع موجودة في قائمة الخامات ..

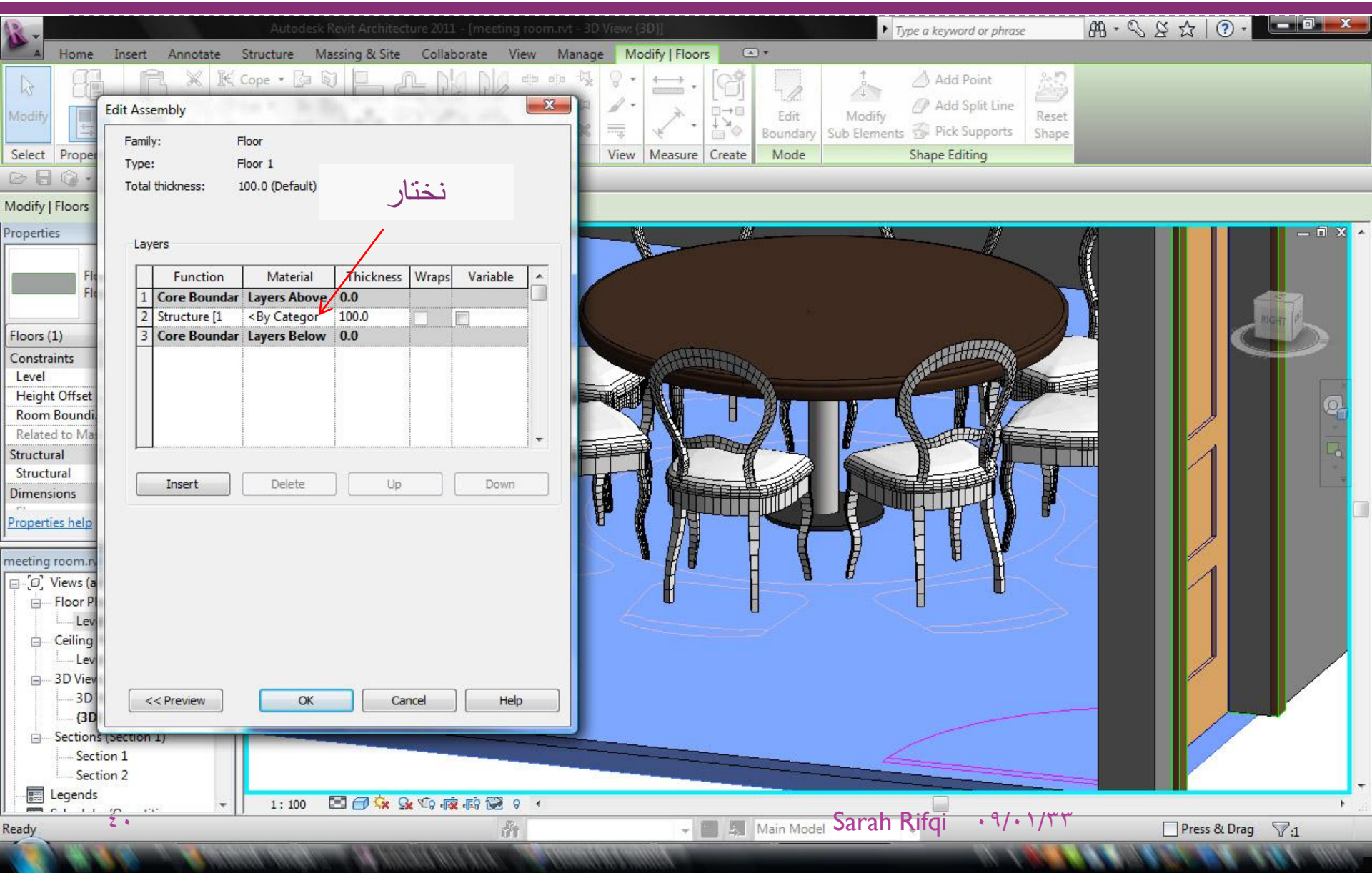


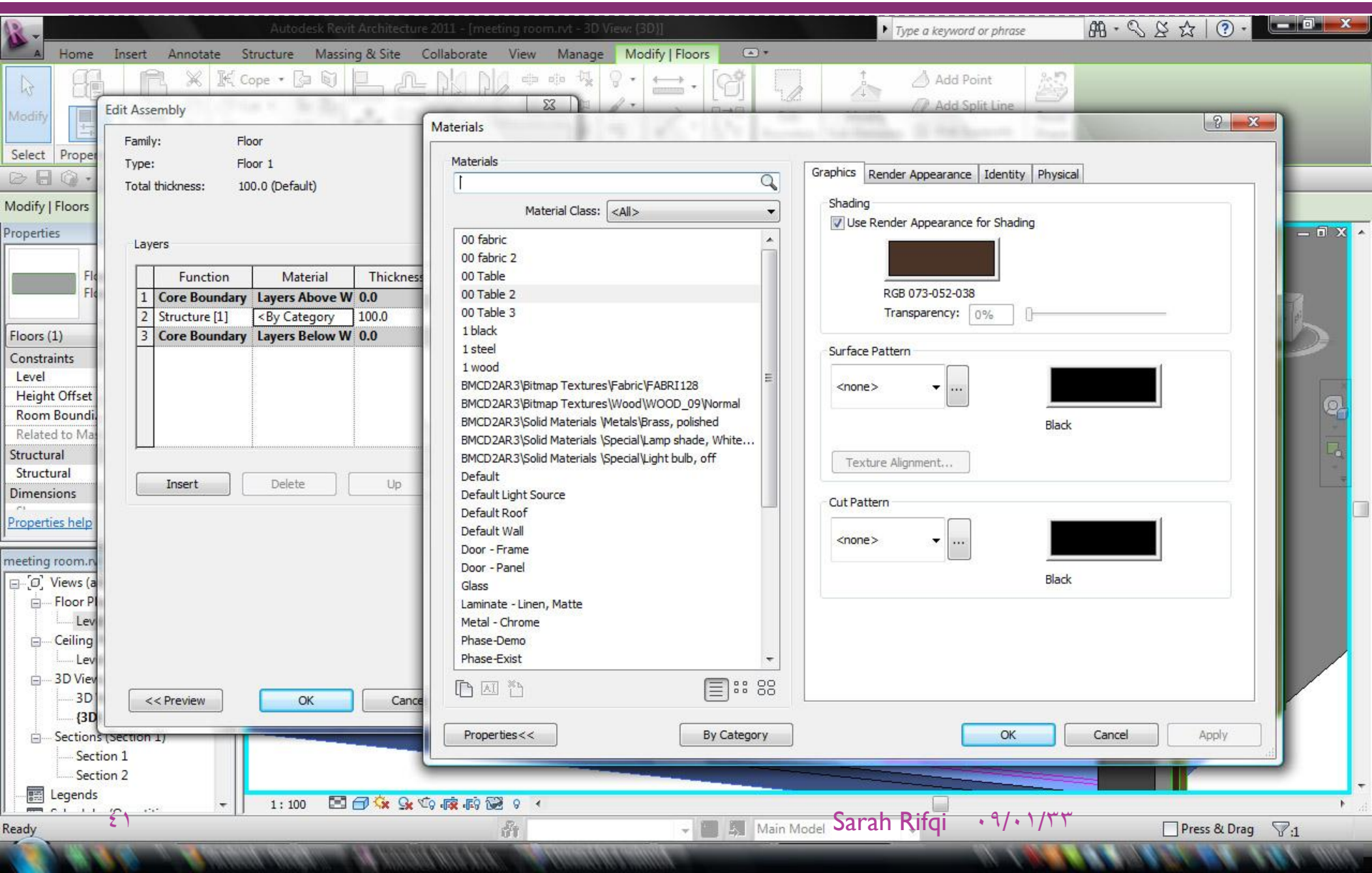
لتغيير خامات الأرضية والحوائط : نحدد الأرض أو الحائط ثم Edit Type



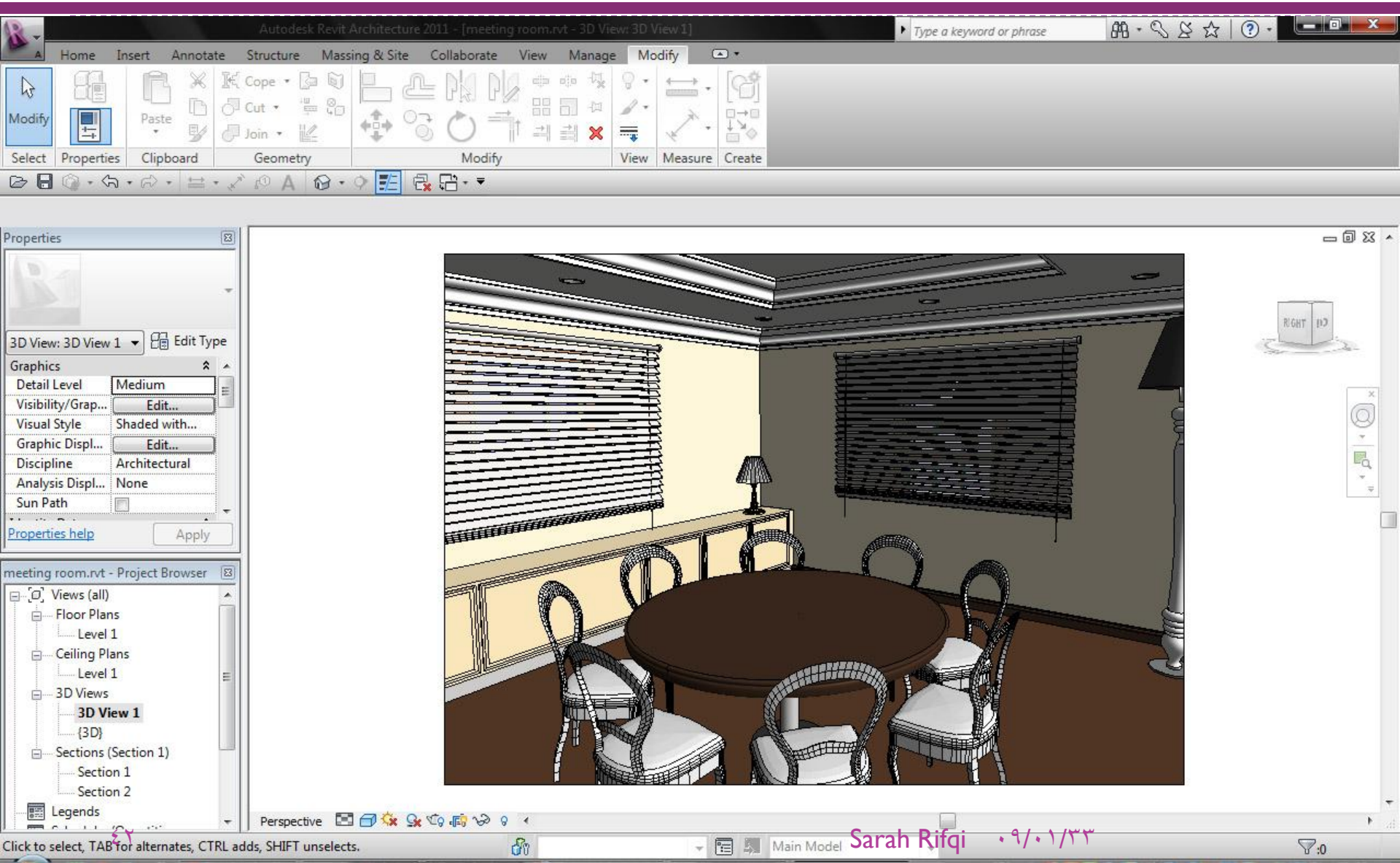


Sarah Rifqi ٠٩/٠١/٣٣


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify | Floors
Modify
Select
Cope
Edit Boundary
Add Point
Add Split Line
Pick Supports
Modify Sub Elements
Reset Shape
View
Measure
Create
Mode
Shape Editing
Edit Assembly
Family: Floor
Type: Floor 1
Total thickness: 100.0 (Default)
نختار
Layers
Function
Material
Thickness
Wraps
Variable
1 Core Boundar Layers Above 0.0
2 Structure [1 <By Categor 100.0
3 Core Boundar Layers Below 0.0
Insert
Delete
Up
Down
<< Preview
OK
Cancel
Help
Properties
Floors (1)
Constraints
Level
Height Offset
Room Boundi
Related to Ma
Structural
Structural
Dimensions
Properties help
meeting room.rv
Views (a
Floor Pl
Ceiling
3D View
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Ready
Main Model
Press & Drag

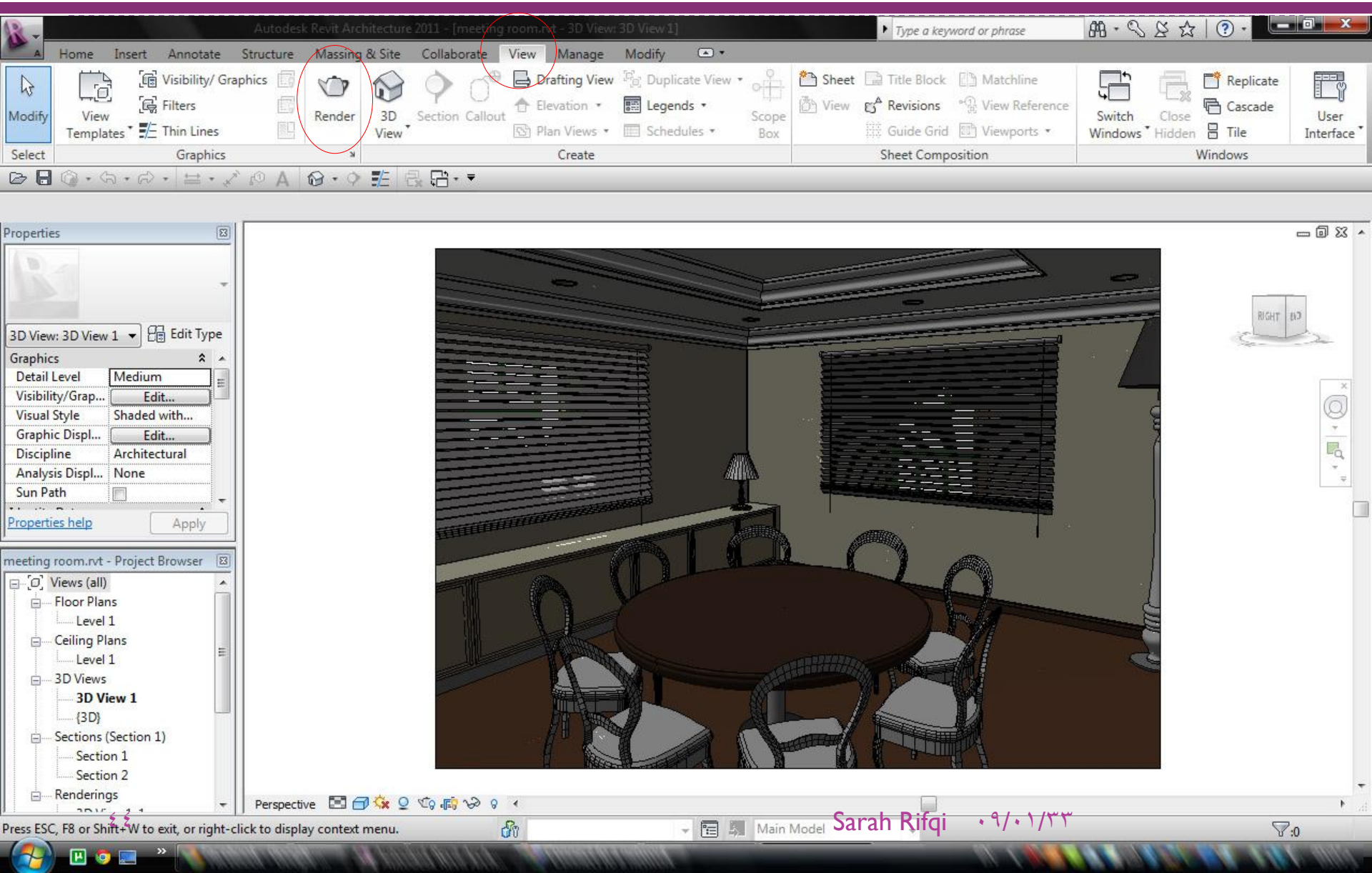

Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: {3D}]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify | Floors
Add Point
Add Split Line
Edit Assembly
Family: Floor
Type: Floor 1
Total thickness: 100.0 (Default)
Layers
Function
Material
Thickness
1 Core Boundary Layers Above W 0.0
2 Structure [1] <By Category 100.0
3 Core Boundary Layers Below W 0.0
Insert
Delete
Up
<< Preview
OK
Materials
Materials
Material Class: <All>
00 fabric
00 fabric 2
00 Table
00 Table 2
00 Table 3
1 black
1 steel
1 wood
BMCD2AR3\Bitmap Textures\Fabric\FABRI128
BMCD2AR3\Bitmap Textures\Wood\WOOD_09\Normal
BMCD2AR3\Solid Materials \Metals\Brass, polished
BMCD2AR3\Solid Materials \Special\Lamp shade, White...
BMCD2AR3\Solid Materials \Special\Light bulb, off
Default
Default Light Source
Default Roof
Default Wall
Door - Frame
Door - Panel
Glass
Laminate - Linen, Matte
Metal - Chrome
Phase-Demo
Phase-Exist
Graphics
Render Appearance
Identity
Physical
Shading
Use Render Appearance for Shading
RGB 073-052-038
Transparency: 0%
Surface Pattern
<none>
Black
Texture Alignment...
Cut Pattern
<none>
Black
Properties<<
By Category
OK
Cancel
Apply
Properties
Floors (1)
Constraints
Level
Height Offset
Room Boundi
Related to Ma
Structural
Structural
Dimensions
Properties help
meeting room.rv
Views (a
Floor Pl
Ceiling
3D View
Sections (Section 1)
Section 1
Section 2
Legends
1 : 100
Ready
Main Model
Press & Drag

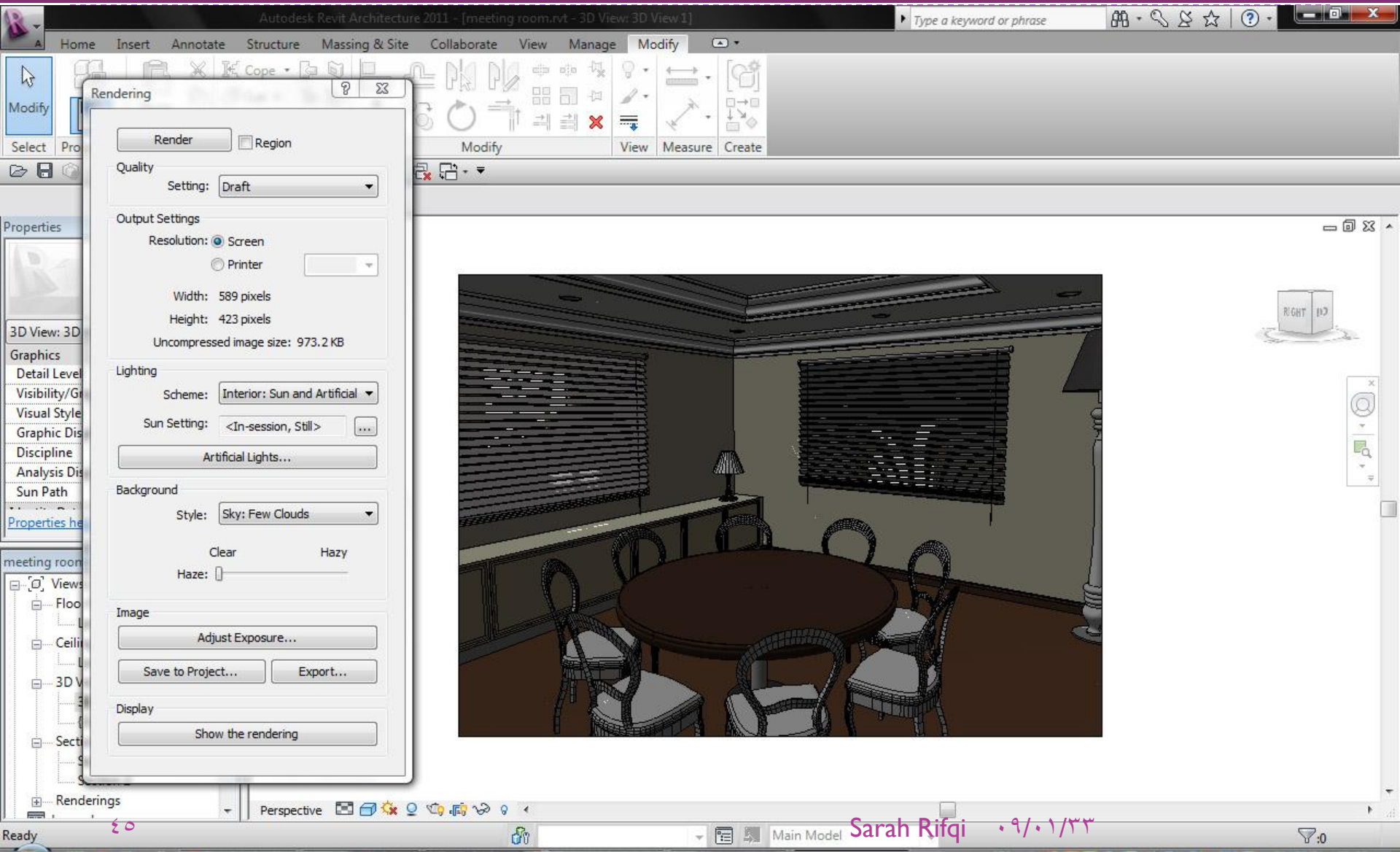
نقوم باختيار الخامات المناسبة لجميع المجسمات



أمر الإخراج النهائي Render

بعد تحديد جميع الخامات والإنتهاء من عمل المجسمات .. يتبقى آخر جزء من المشروع وهو الإخراج النهائي من قائمة View , Render أو بضغط الاختصار التالي : RR




Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: 3D View 1]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Select
Modify
View
Measure
Create
Rendering
Render
Region
Quality
Setting: Draft
Output Settings
Resolution: Screen
Printer
Width: 589 pixels
Height: 423 pixels
Uncompressed image size: 973.2 KB
Lighting
Scheme: Interior: Sun and Artificial
Sun Setting: <In-session, Still>
Artificial Lights...
Background
Style: Sky: Few Clouds
Clear
Hazy
Haze:
Image
Adjust Exposure...
Save to Project...
Export...
Display
Show the rendering
Properties
3D View: 3D
Graphics
Detail Level
Visibility/Gr
Visual Style
Graphic Dis
Discipline
Analysis Dis
Sun Path
Properties he
meeting room
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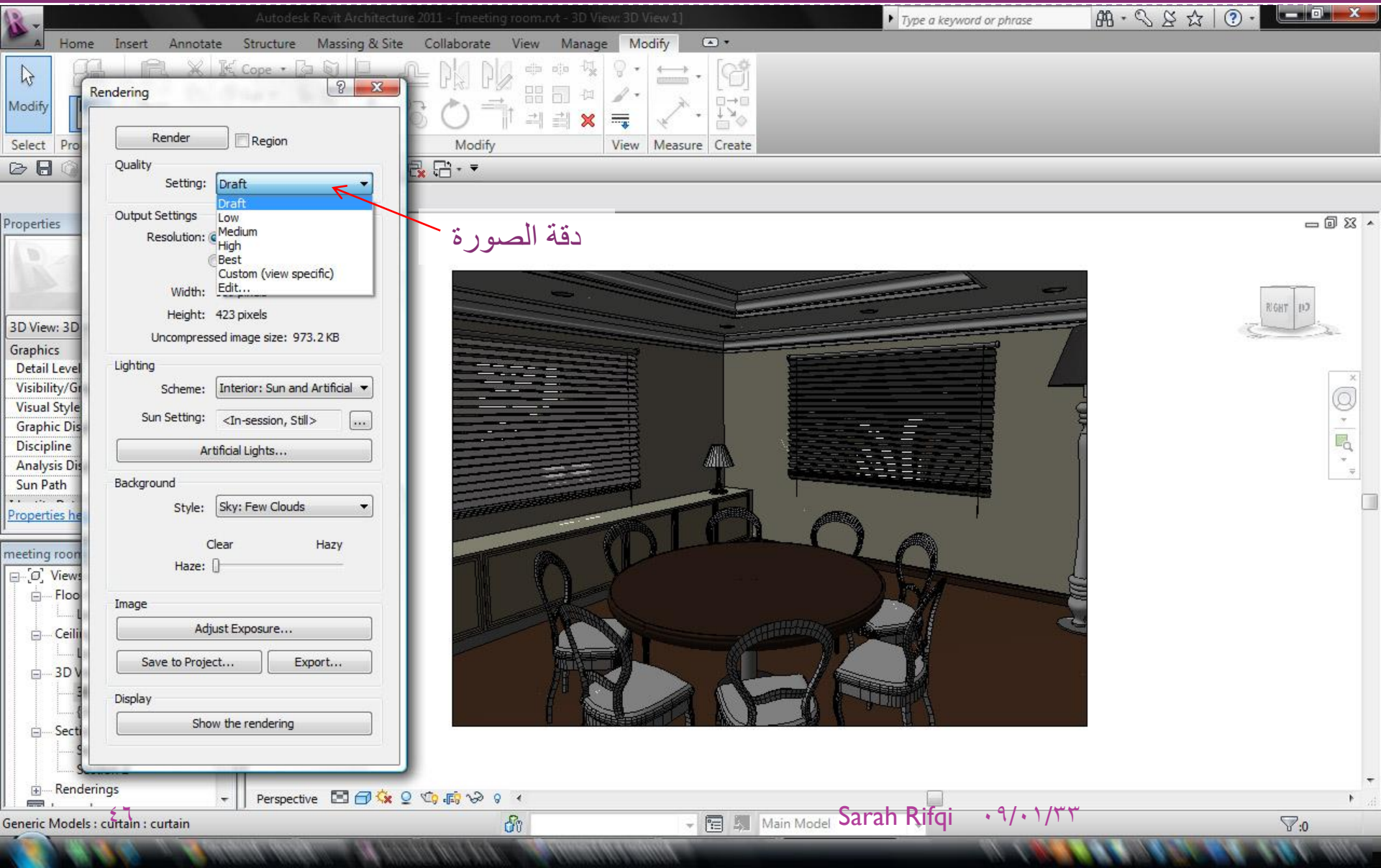
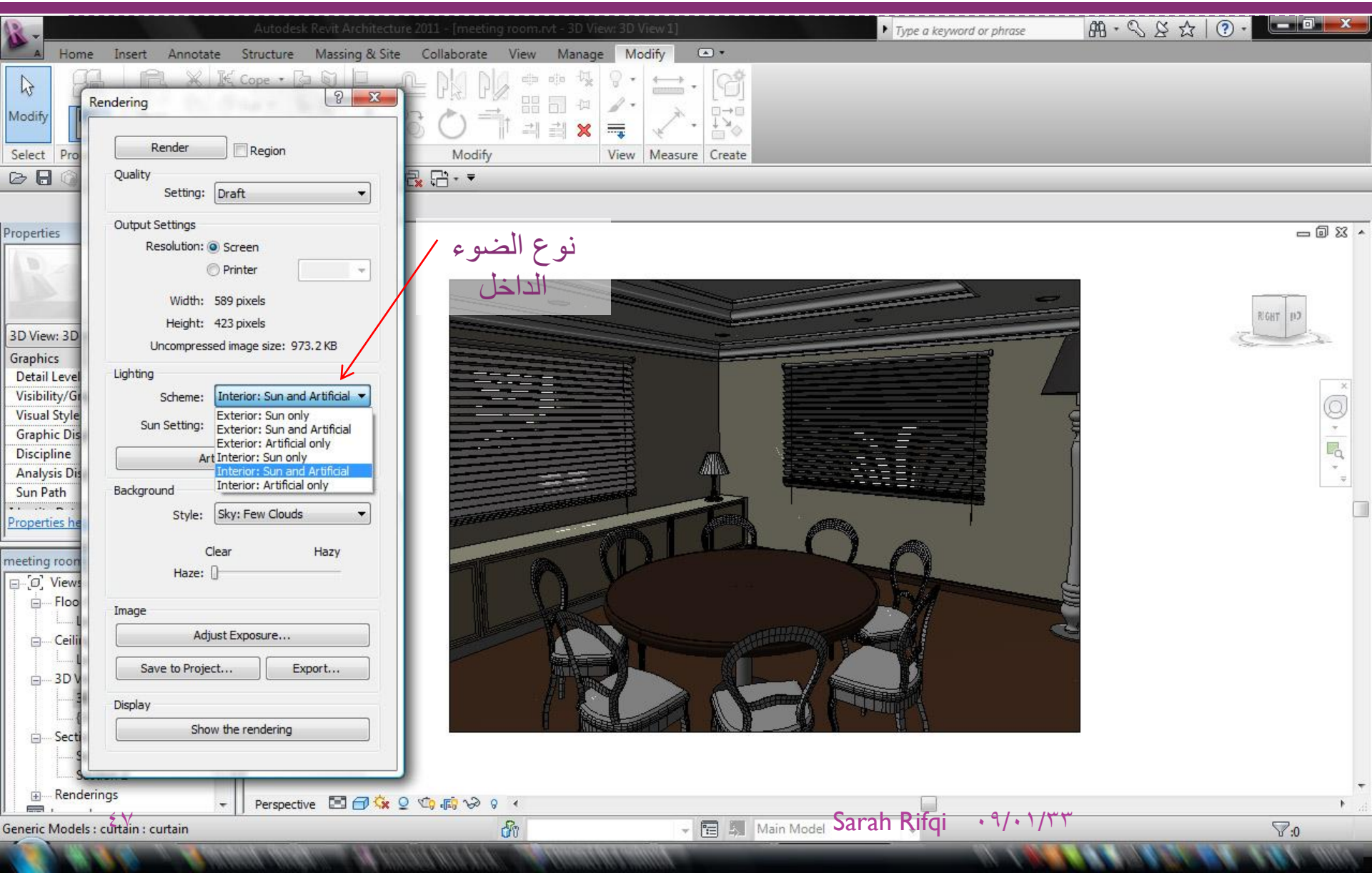
Secti
Renderings
Perspective
Ready
Main Model
RIGHT


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: 3D View 1]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Rendering
Render
Region
Quality
Setting:
Draft
Draft
Low
Medium
High
Best
Custom (view specific)
Edit...
Output Settings
Resolution:
Width:
Height: 423 pixels
Uncompressed image size: 973.2 KB
Lighting
Scheme:
Interior: Sun and Artificial
Sun Setting:
<In-session, Still>
Artificial Lights...
Background
Style:
Sky: Few Clouds
Clear
Hazy
Haze:
Image
Adjust Exposure...
Save to Project...
Export...
Display
Show the rendering
دقة الصورة
Properties
Graphics
Detail Level
Visibility/Gr
Visual Style
Graphic Dis
Discipline
Analysis Dis
Sun Path
Renderings
Perspective
Generic Models : curtain : curtain
Main Model
Sarah Rifqi
٠٩/٠١/٣٣
٤٦


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: 3D View 1]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Select
Modify
View
Measure
Create
Rendering
Render
Region
Quality
Setting:
Draft
Output Settings
Resolution:
Screen
Printer
Width: 589 pixels
Height: 423 pixels
Uncompressed image size: 973.2 KB
Lighting
Scheme:
Interior: Sun and Artificial
Sun Setting:
Exterior: Sun only
Exterior: Sun and Artificial
Exterior: Artificial only
Interior: Sun only
Interior: Sun and Artificial
Interior: Artificial only
Background
Style:
Sky: Few Clouds
Clear
Hazy
Haze:
Image
Adjust Exposure...
Save to Project...
Export...
Display
Show the rendering
نوع الضوء
الداخل
Properties
3D View: 3D
Graphics
Detail Level
Visibility/Gr
Visual Style
Graphic Dis
Discipline
Analysis Dis
Sun Path
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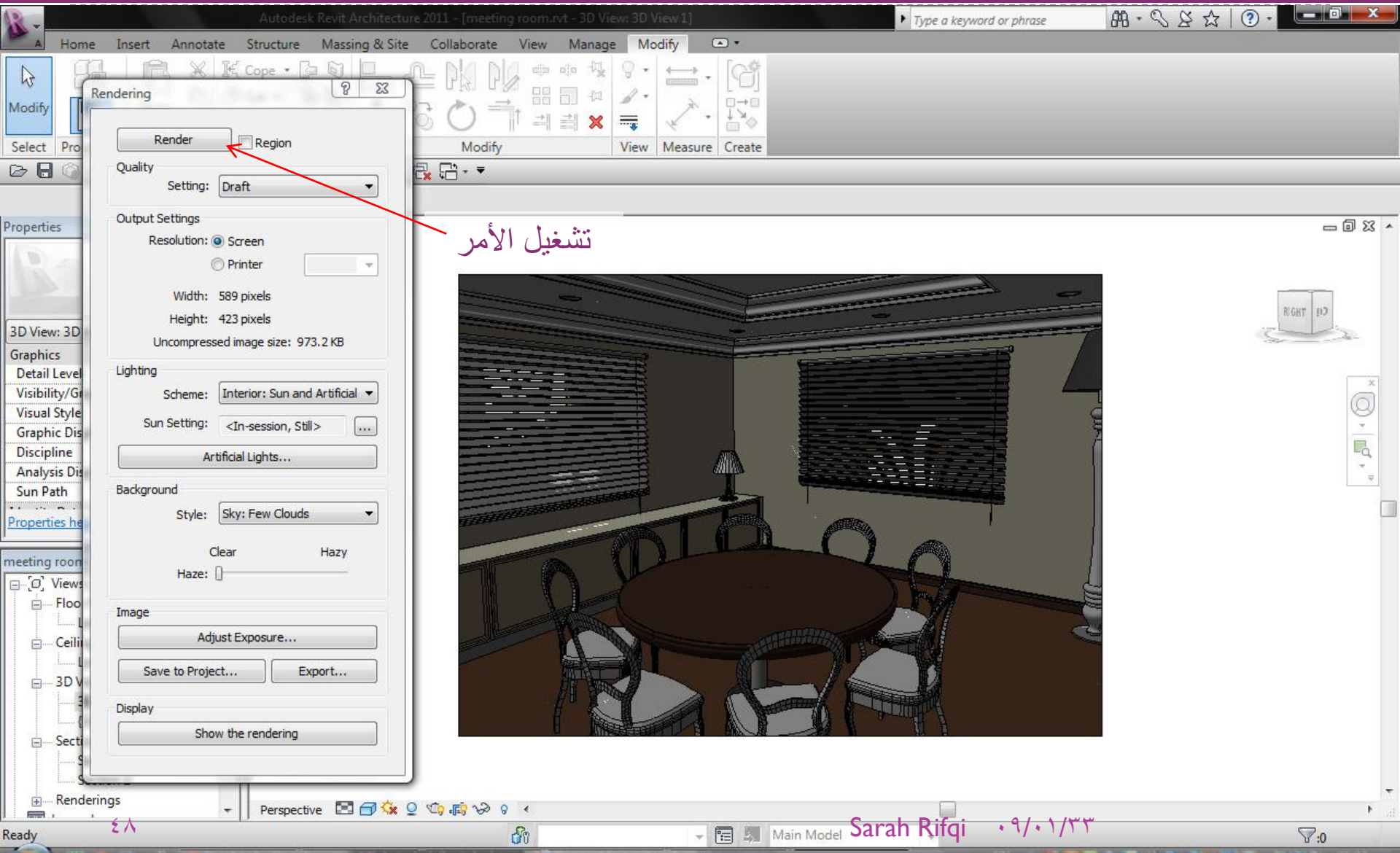
Renderings
Perspective
Generic Models : curtain : curtain
Main Model
Sarah Rifqi
٠٩/٠١/٣٣
٤٧


Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: 3D View 1]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Modify
Select
Modify
View
Measure
Create
Rendering
Render
Region
Quality
Setting:
Draft
Output Settings
Resolution:
Screen
Printer
Width: 589 pixels
Height: 423 pixels
Uncompressed image size: 973.2 KB
Lighting
Scheme:
Interior: Sun and Artificial
Sun Setting:
<In-session, Still>
Artificial Lights...
Background
Style:
Sky: Few Clouds
Clear
Hazy
Haze:
Image
Adjust Exposure...
Save to Project...
Export...
Display
Show the rendering
تشغيل الأمر
Properties
3D View: 3D
Graphics
Detail Level
Visibility/Gr
Visual Style
Graphic Dis
Discipline
Analysis Dis
Sun Path
Properties he
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Views
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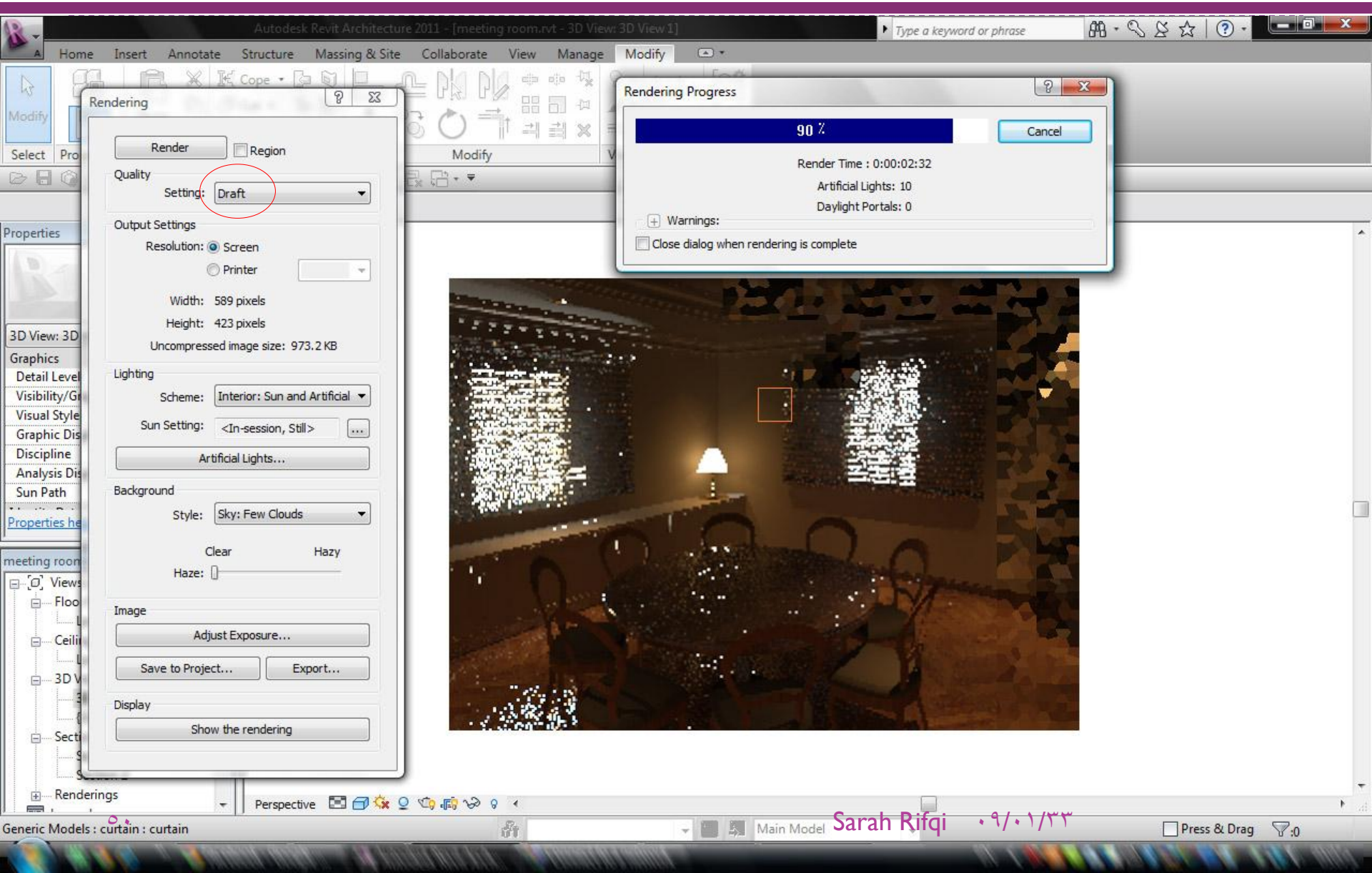
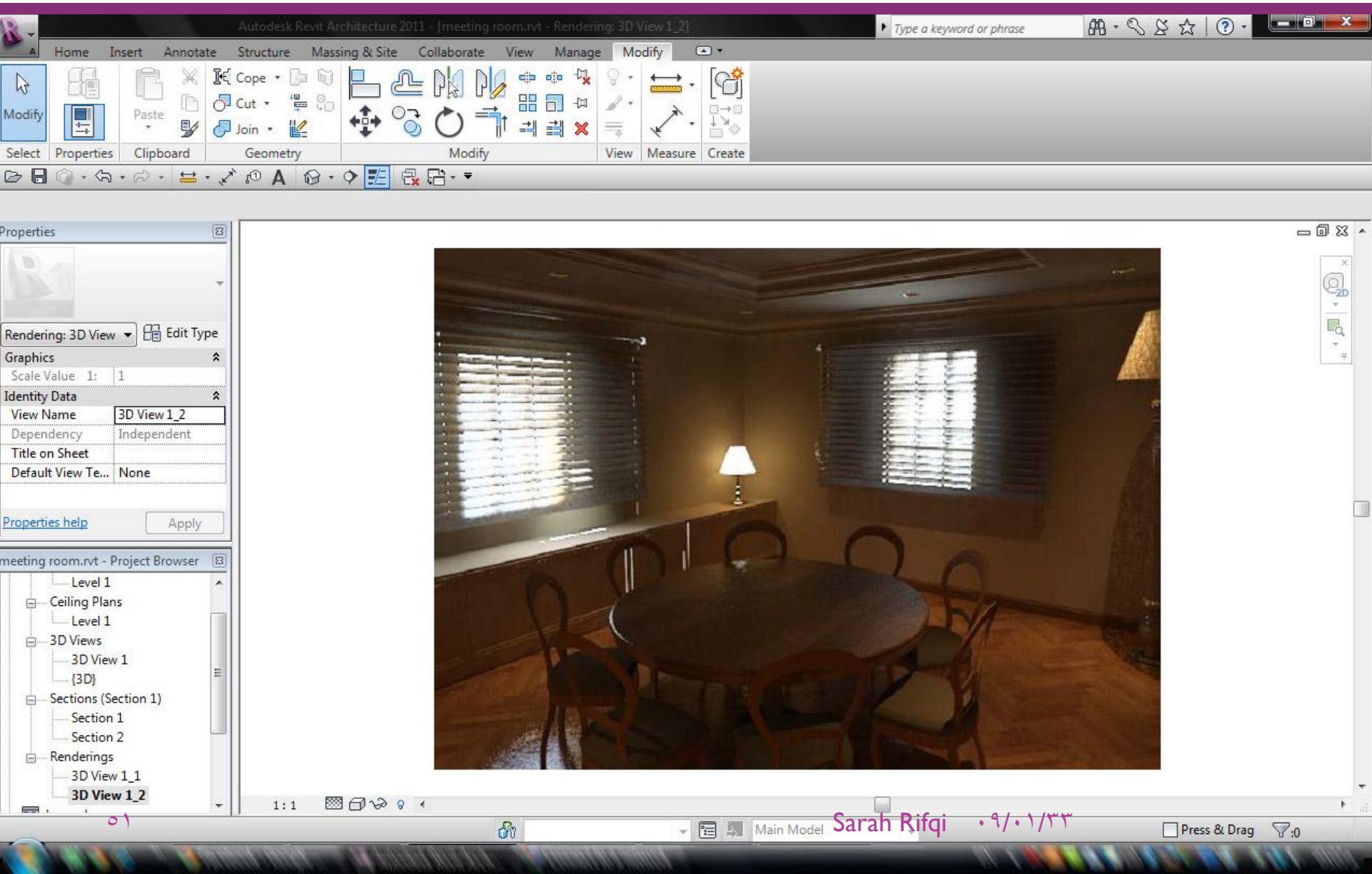
Renderings
RIGHT
Perspective
Ready
Main Model
:0

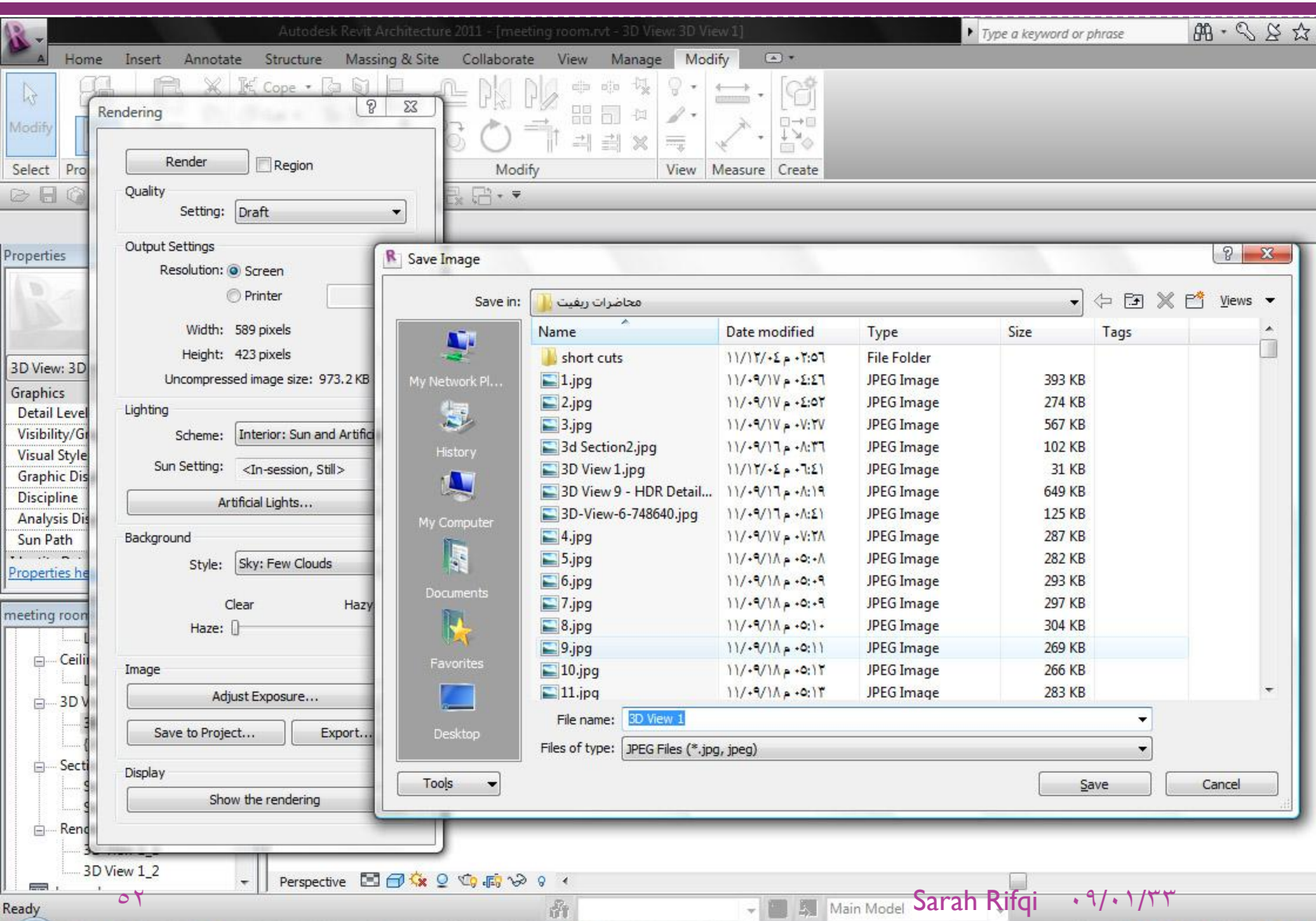
تصدير الصورة للجهاز بعد الإخراج

الإخراج بدقة منخفضة



الإخراج بدقة عالية




Autodesk Revit Architecture 2011 - [meeting room.rvt - 3D View: 3D View 1]
Type a keyword or phrase
Home
Insert
Annotate
Structure
Massing & Site
Collaborate
View
Manage
Modify
Rendering
Render
Region
Quality
Setting:
Draft
Output Settings
Resolution:
Screen
Printer
Width: 589 pixels
Height: 423 pixels
Uncompressed image size: 973.2 KB
Lighting
Scheme:
Interior: Sun and Artifici
Sun Setting:
<In-session, Still>
Artificial Lights...
Background
Style:
Sky: Few Clouds
Clear
Hazy
Haze:
Image
Adjust Exposure...
Save to Project...
Export...
Display
Show the rendering
Save Image
Save in:
محاضرات ريفيت
Views
My Network Pl...
History
My Computer
Documents
Favorites
Desktop
Name
Date modified
Type
Size
Tags
short cuts
1.jpg
2.jpg
3.jpg
3d Section2.jpg
3D View 1.jpg
3D View 9 - HDR Detail...
3D-View-6-748640.jpg
4.jpg
5.jpg
6.jpg
7.jpg
8.jpg
9.jpg
10.jpg
11.jpg
File name:
3D View 1
Files of type:
JPEG Files (*.jpg, jpeg)
Tools
Save
Cancel
Properties
3D View: 3D
Graphics
Detail Level
Visibility/Gr
Visual Style
Graphic Dis
Discipline
Analysis Dis
Sun Path
meeting room
3D View 1_2
Perspective
Ready
Main Model

تم بحمد الله

أستاذة المادة / سارة رفقي
Sarah.rifqi@gmail.com