

# رسم باستخدام الحاسب الآلي ٢

إعداد : أ/ سارة عبد الله رفقي

# Autodesk® Revit®

Architecture 2011

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Autodesk

# مقدمة تعريفية بالبرنامج

► برنامج جديد من شركة AUTODESK تحت اسم REVIT ARCHITECTURE من المتوقع أن ينافس الأوتوكاد في الدرجة الأولى، و الماكس والفوتوشوب في الدرجة الثانية ( من الناحية المعمارية فقط وليس في الإعلانات أو غيرها).

هذا البرنامج يقوم برسم المخططات عن طريق العناصر الجاهزة أو التي يتم تجهيزها عن طريق المستخدم! ومثال للتوضيح:

من المعروف ان في برنامج الأوتوكاد نقوم بعمل بلوكات جاهزة لوضعها في اعمالنا لأختصار الوقت، في هذا البرنامج كل شيء ابتداء من رسم الحائط حتى العفش عبارة عن بلوكات جاهزة، فمثلا عليك تحديد نوع الحائط الذي تريده من مكتبة مرفقة مع البرنامج وبعدها تحدد موقع بداية الحائط بالنقر على الفأرة ثم تحدد موقع نهاية الحائط، فيقوم البرنامج برسم جدار مع كامل التفاصيل ( حجر ، خرسانة ، طوب ) مع التهشير والألوان كاملة. وإذا لم يكن نوع الحائط موجود عليك فقط تحديد الخيارات التي تريدها من مكونات الحائط بطريقة معينة ويقوم البرنامج بوضعها ضمن مكتبة البرنامج. كذلك الوضع مع كل التفاصيل ابواب شبابيك وكل شيء ، لدرجة ان الباب الذي وضعتة تستطيع تغيير ابعاده فقط بالنقر على الباب وإدخال قيم الأبعاد) مثلما نعمل في ال TEXT في برنامج الأوتوكاد.) فيقوم البرنامج بتغيير الأبعاد وإزاحة الجدران تلقائياً.

# إمكانياته :

- ▶ إخراج التصميم بالرسومات التنفيذية النهائية .
- ▶ عمل قطاعات وتفاصيل .
- ▶ إخراج مناظير ثلاثية الأبعاد مشابهة للواقع .
- ▶ التصدير لبرنامج الأوتوكاد والماكس والفوتوشوب .
- ▶ احتواءه على بلوكات جاهزة لمعظم قطع الأثاث مع إمكانية تغيير أحجامها وألوانها .
- ▶ احتواءه على خامات جاهزة مع إمكانية إضافة خامات جديدة مخصصة .

# صور لبعض المشاريع المخرجة باستخدام Revit



# صور لبعض المشاريع المخرجة باستخدام Revit



# صور لبعض المشاريع المخرجة باستخدام Revit



# صور لبعض المشاريع المخرجة باستخدام Revit



# صور لبعض المشاريع المخرجة باستخدام Revit



# صور لبعض المشاريع المخرجة باستخدام Revit



التعرف على الواجهة الرئيسية للبرنامج

عند بدء مشروع جديد

### Projects

No Recent Files

- Open
- New

عند عمل قطعة مخصصة (بلوك)

### Families

No Recent Files

- Open
- New
- New Conceptual Mass
- Web Library

### Resources

- What's New?
- Help
- Videos



Getting Started Video

### Projects

No Recent Files

- Open
- New

### Families

No Recent Files

Undefined System of Measurement

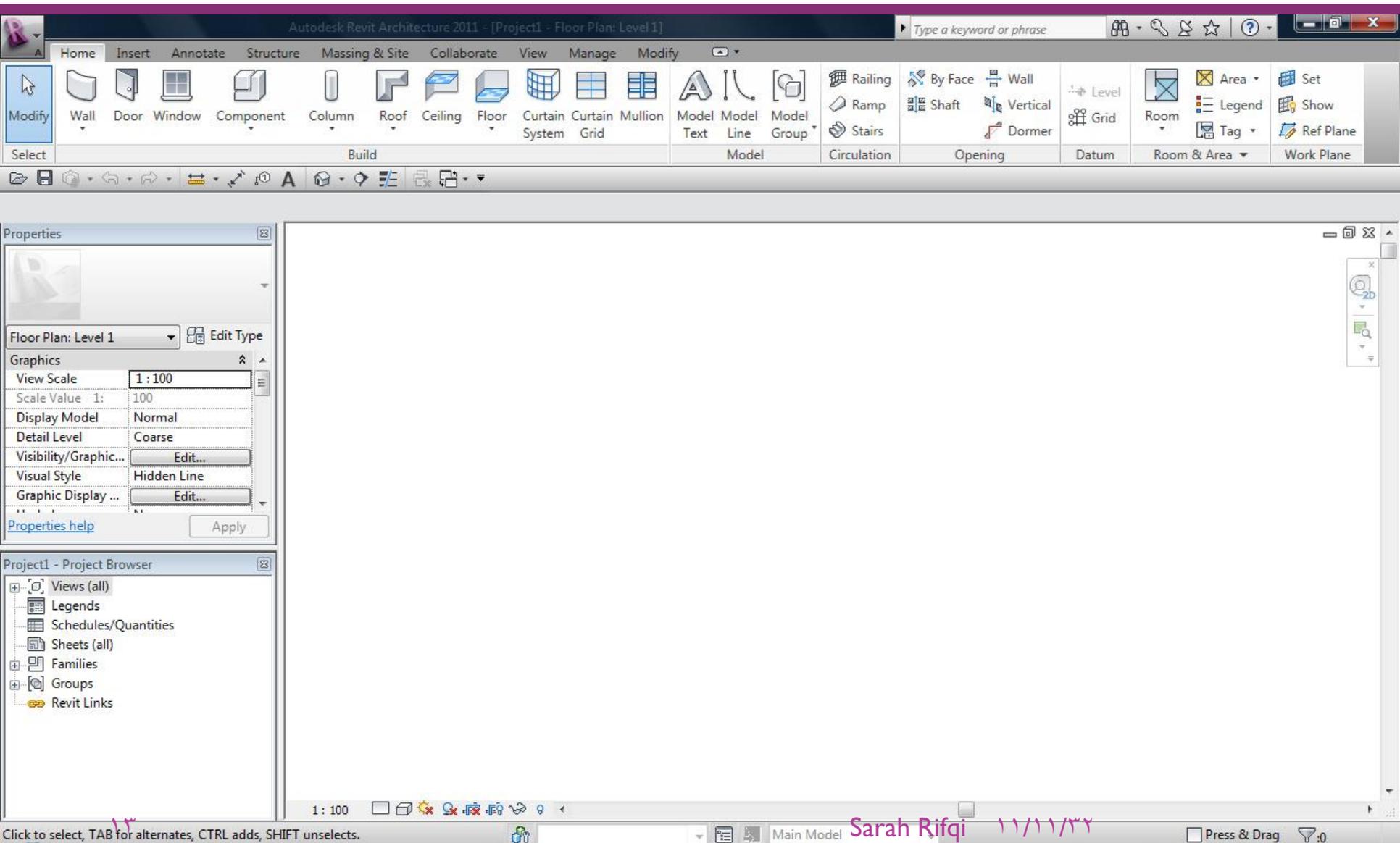
Which system of measurement do you want to use in your project?

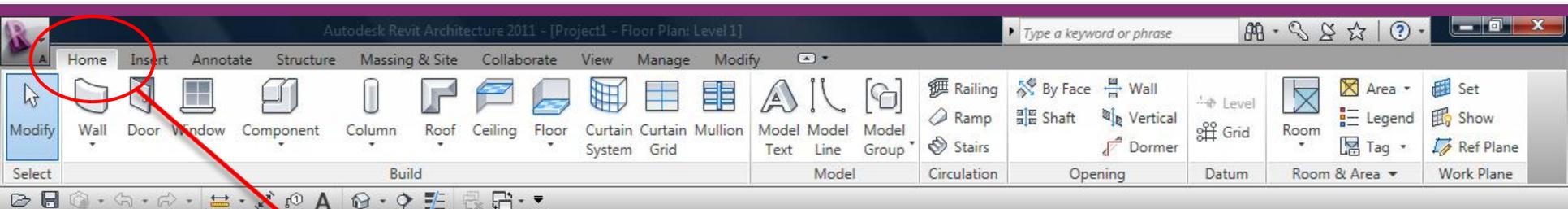
- Imperial
- Metric

بعد اختيار Projects / new  
نقوم باختيار امر Metric

Getting Started Video

# النافذة الرئيسية





منفذ الأوامر الرئيسية  
Home

Properties

Floor Plan: Level 1 Edit Type

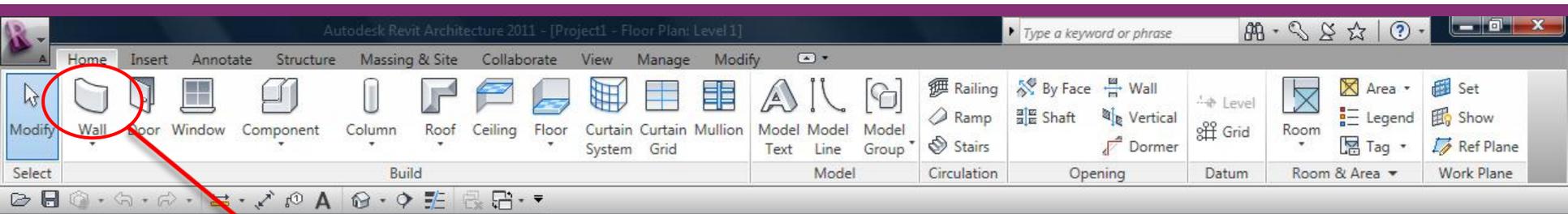
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر رسم الحوائط  
wall

Properties

Floor Plan: Level 1 Edit Type

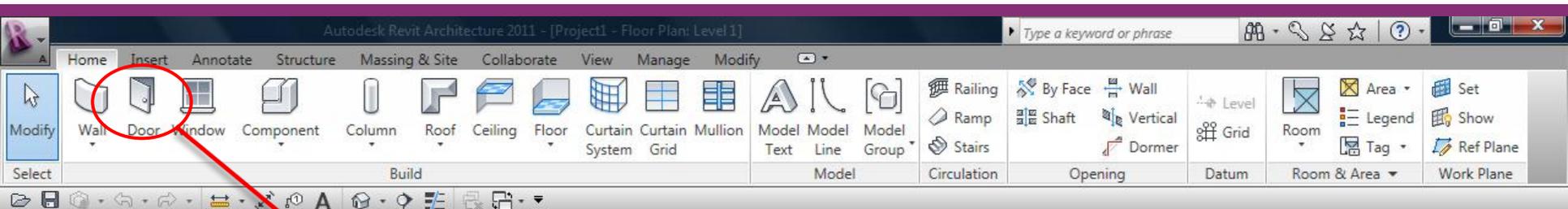
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر رسم الأبواب  
Door

Properties

Floor Plan: Level 1 Edit Type

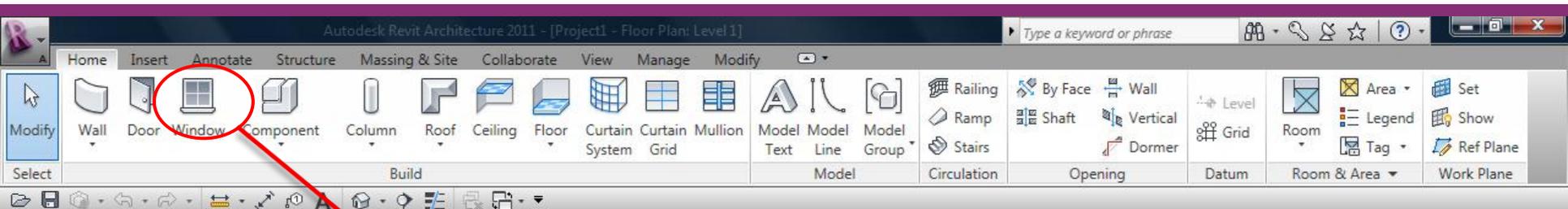
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر رسم النوافذ  
Windows

Properties

Floor Plan: Level 1 Edit Type

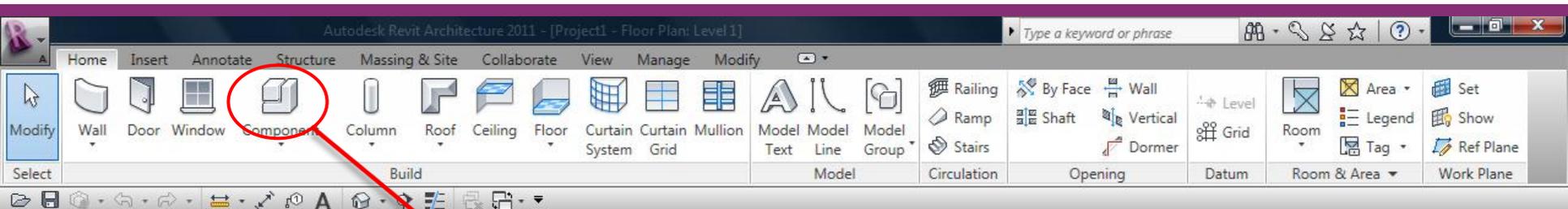
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر إدراج أو عمل  
مجسم Component

Properties

Floor Plan: Level 1 Edit Type

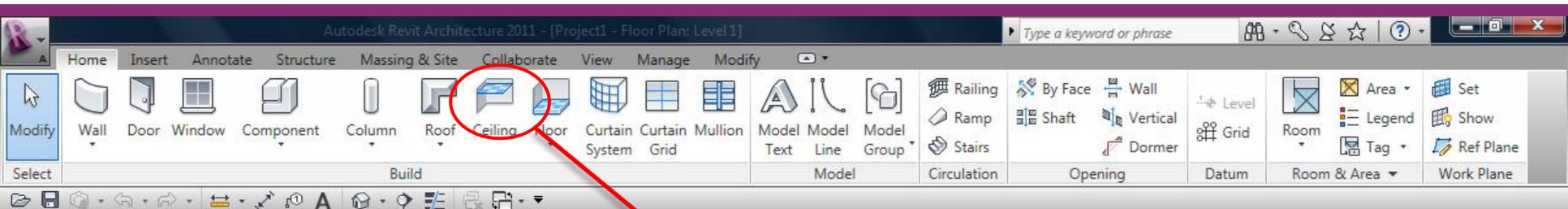
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر عمل سقف  
Ceiling

Properties

Floor Plan: Level 1 Edit Type

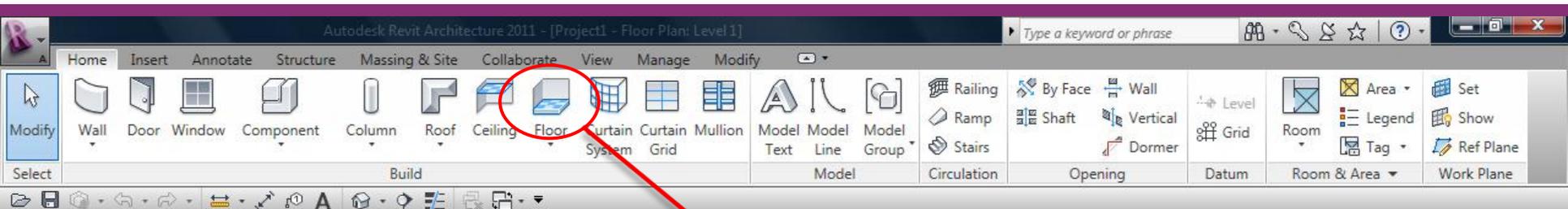
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر عمل أرض  
Floor

Properties

Floor Plan: Level 1 Edit Type

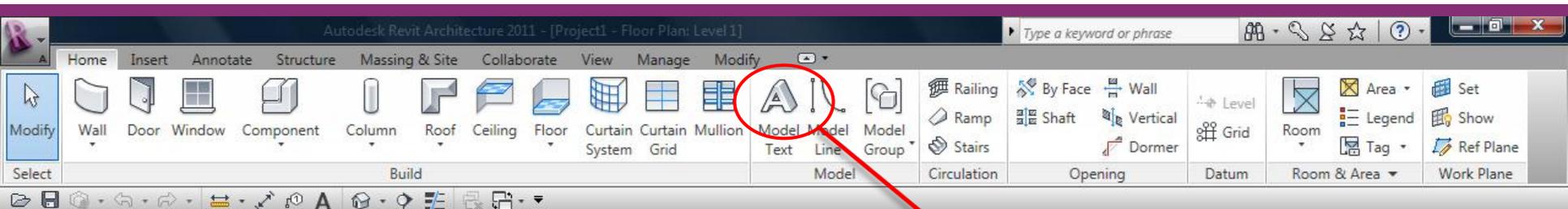
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	<span>Edit...</span>
Visual Style	Hidden Line
Graphic Display ...	<span>Edit...</span>

[Properties help](#) Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



إدراج نص Text

Properties

Floor Plan: Level 1 Edit Type

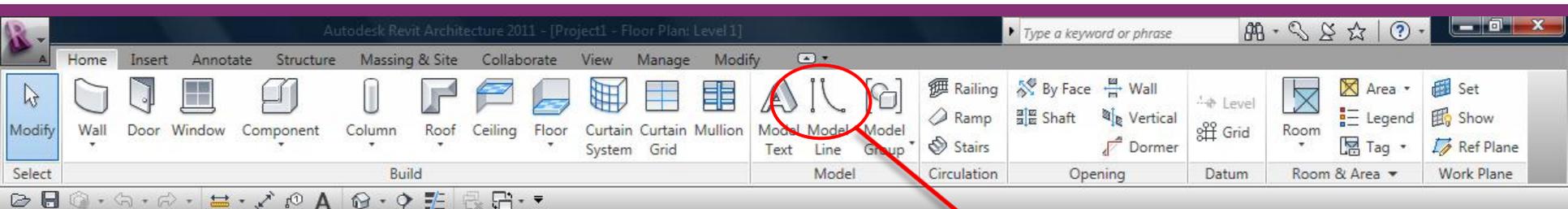
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر رسم  
خطوط  
Line

Properties

Floor Plan: Level 1 Edit Type

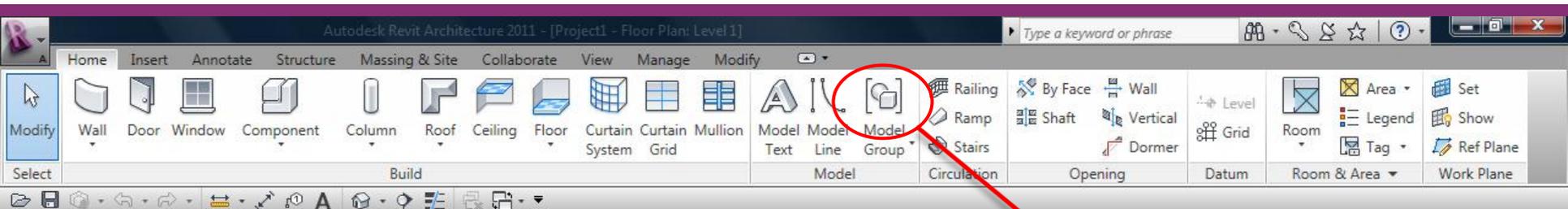
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



أمر دمج  
المجسمات  
لمجموعات  
Groups

Properties

Floor Plan: Level 1 Edit Type

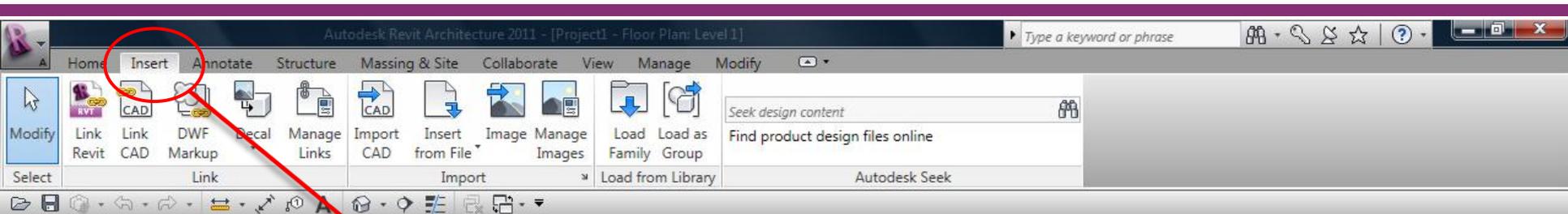
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



# نافذة إدراج Insert

Properties

Floor Plan: Level 1 Edit Type

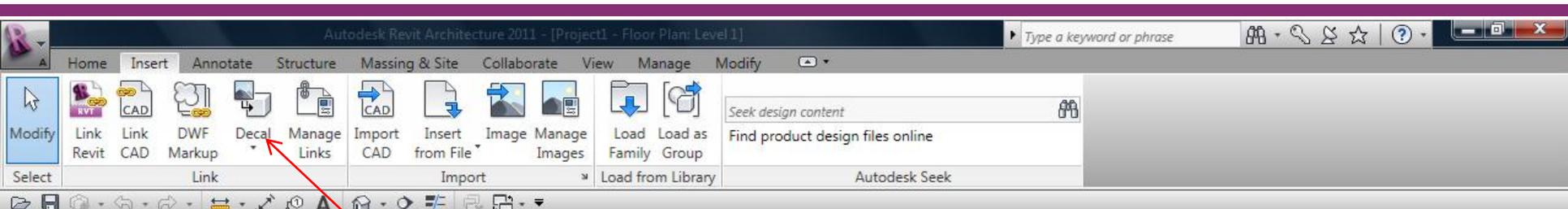
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1
  - Ceiling Plans
    - Level 1
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



Properties

Floor Plan: Level 1

Graphics

View Scale: 1 : 100

Scale Value 1: 100

Display Model: Normal

Detail Level: Coarse

Visibility/Graphic...

Visual Style: Hidden Line

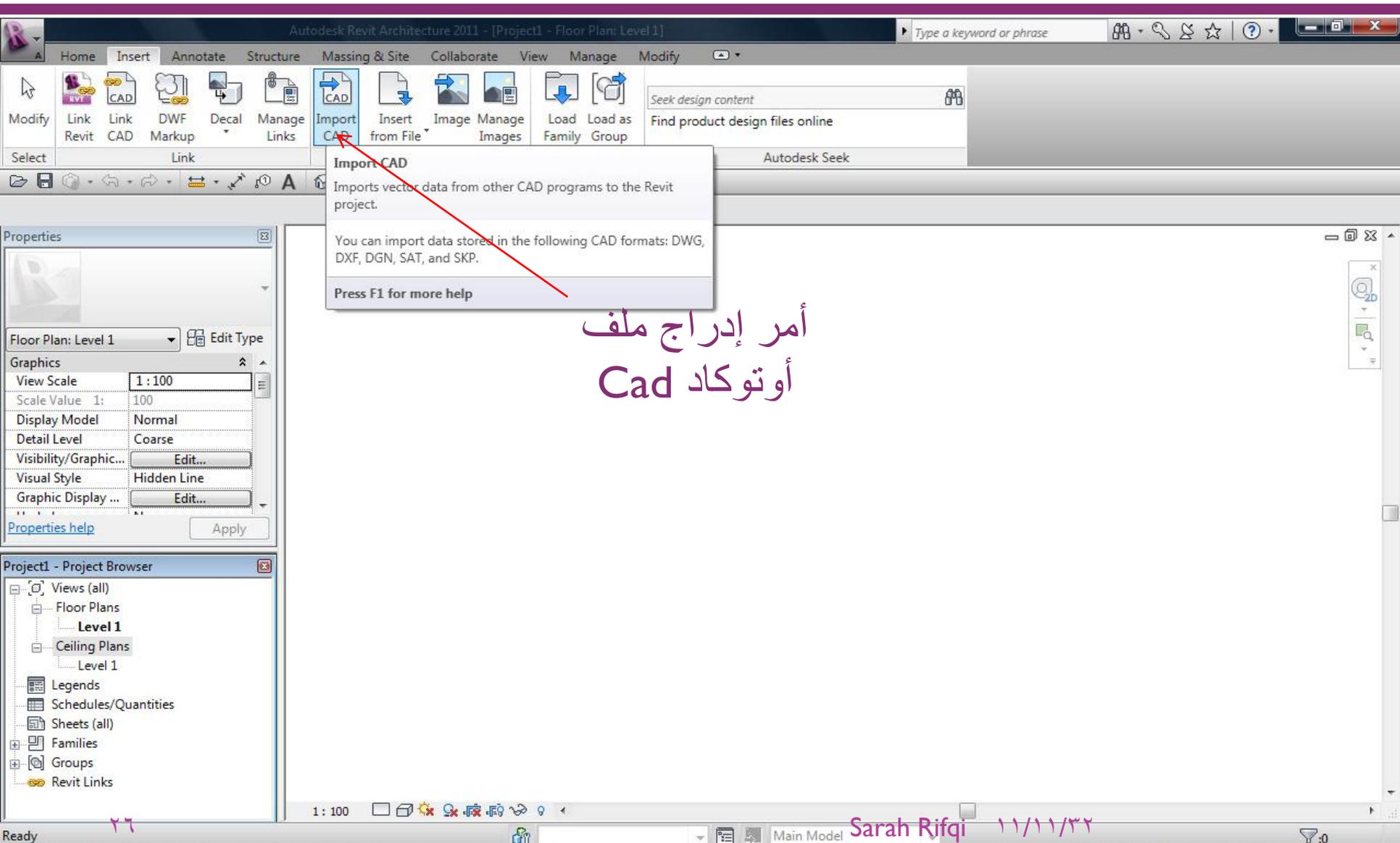
Graphic Display ...

[Properties help](#)

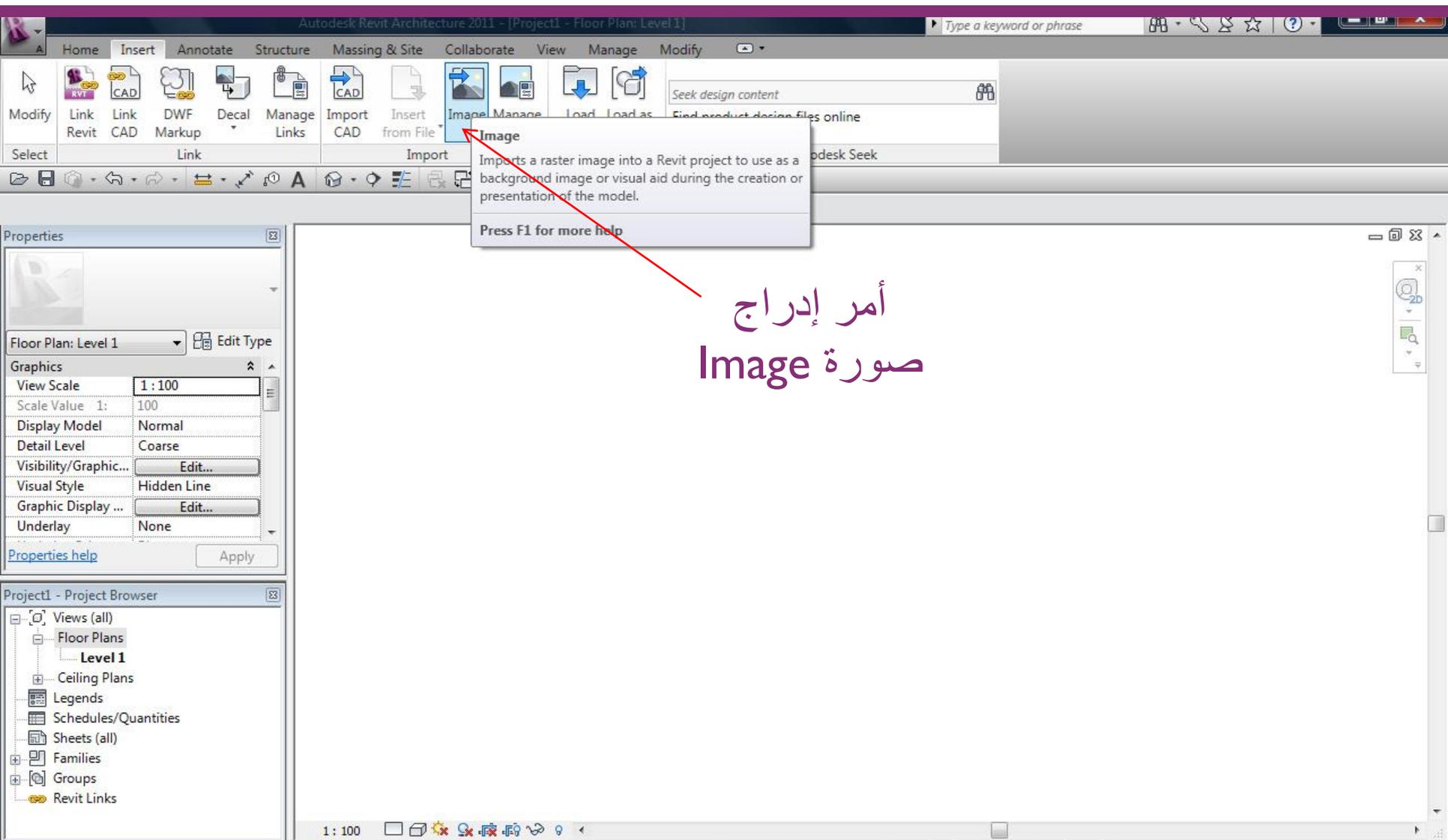
Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
    - Level 1
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

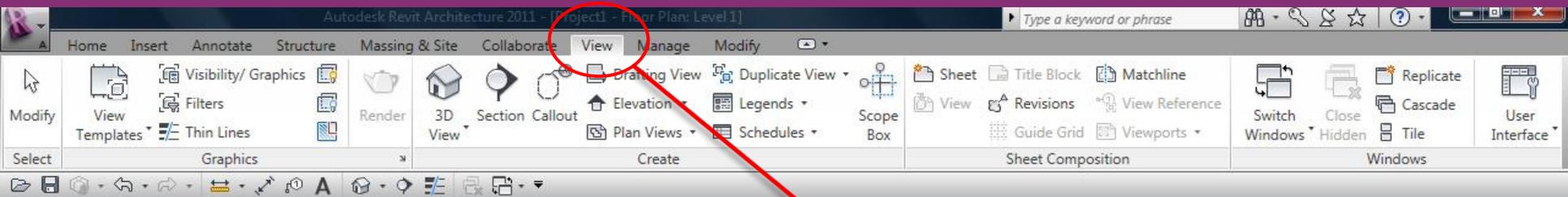
أمر إدراج  
صورة على  
مجسم Decal



## أمر إدراج ملف Autocad



أمر إدراج  
صورة Image



نافذة استعراض  
View

Properties

Floor Plan: Level 1 Edit Type

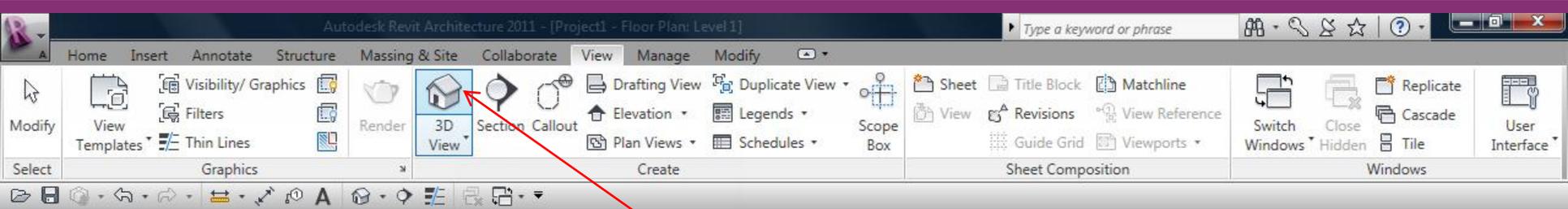
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



أمر الذهاب  
للنافذة ثلاثية  
الأبعاد 3D

Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



اختيار لقطة  
الكاميرا  
Camera

Properties

Floor Plan: Level 1 Edit Type

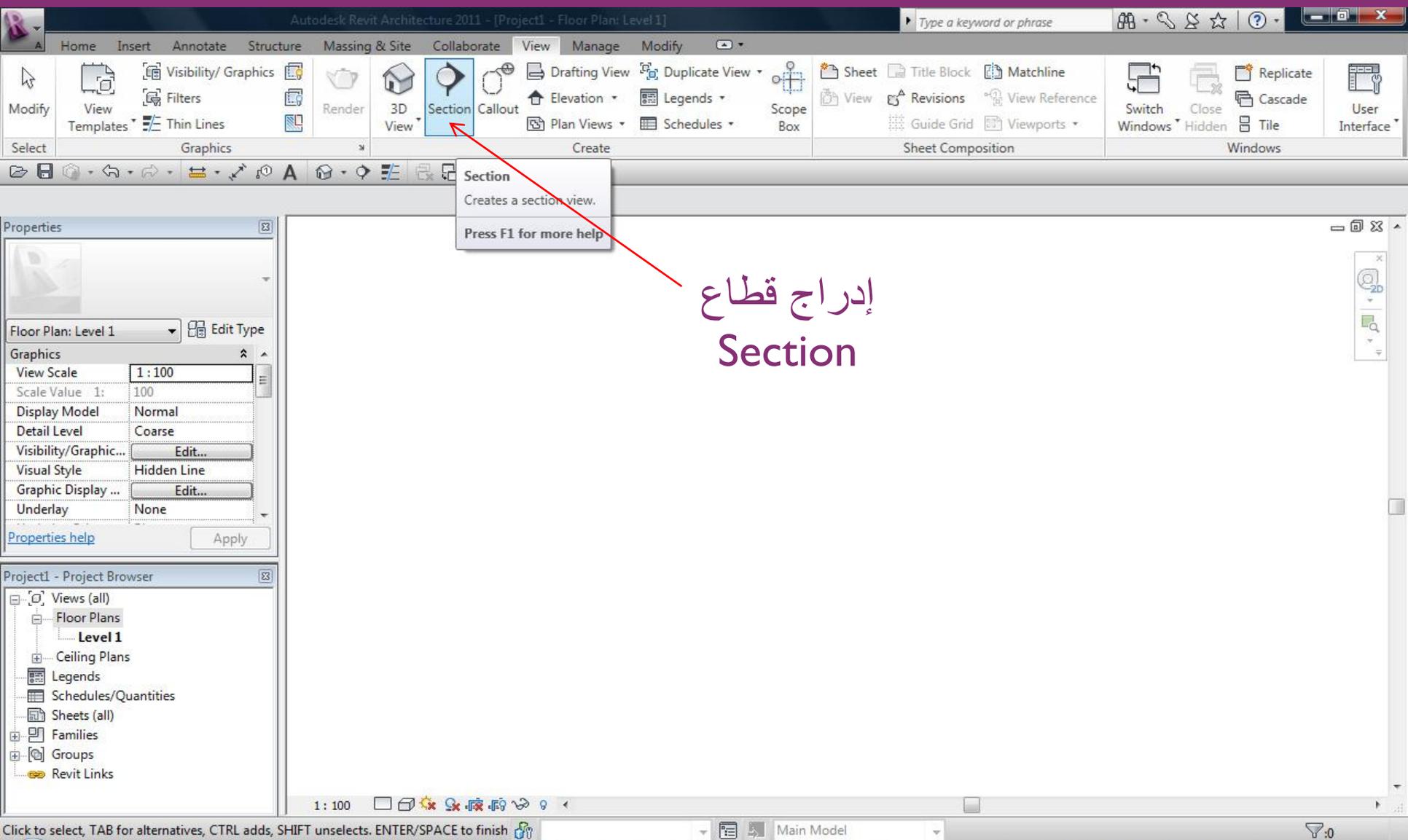
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

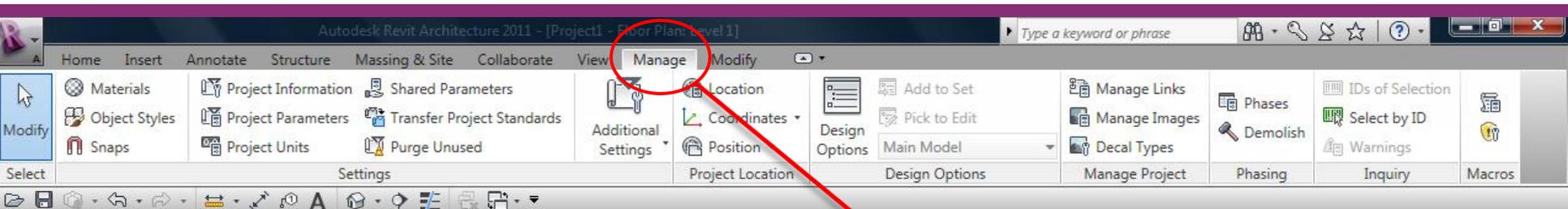
Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



إدراج قطاع  
Section

Section  
Creates a section view.  
Press F1 for more help



نافذة تنظيم  
Manage

Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

Autodesk Revit Architecture 2011 - [Project1 - Floor Plan: Level 1]

Type a keyword or phrase

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Materials | Project Information | Shared Parameters | Location | Add to Set | Manage Links | Phases | IDs of Selection

Object Styles | Project Parameters | Transfer Project Standards | Coordinates | Pick to Edit | Manage Images | Demolish | Select by ID

Snaps | Project Units | Purge Unused | Position | Design Options | Main Model | Decal Types | Warnings

Select Settings Project Location Design Options Manage Project Phasing Inquiry Macros

# الخامات Materials

Properties

Floor Plan: Level 1 Edit Type

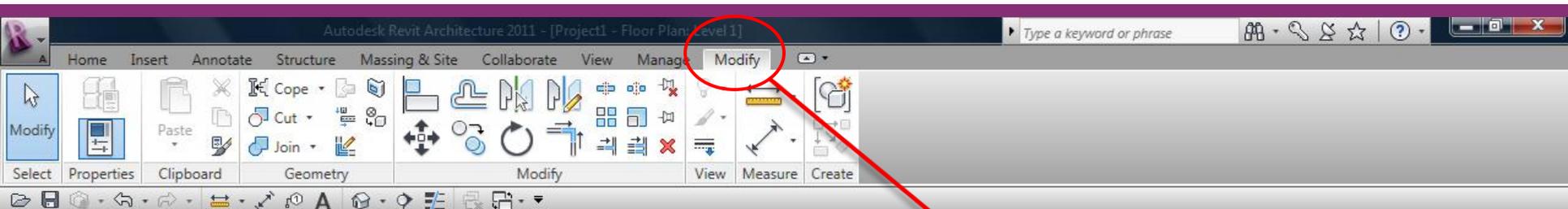
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



نافذة تحرير  
Modify

Properties

Floor Plan: Level 1 Edit Type

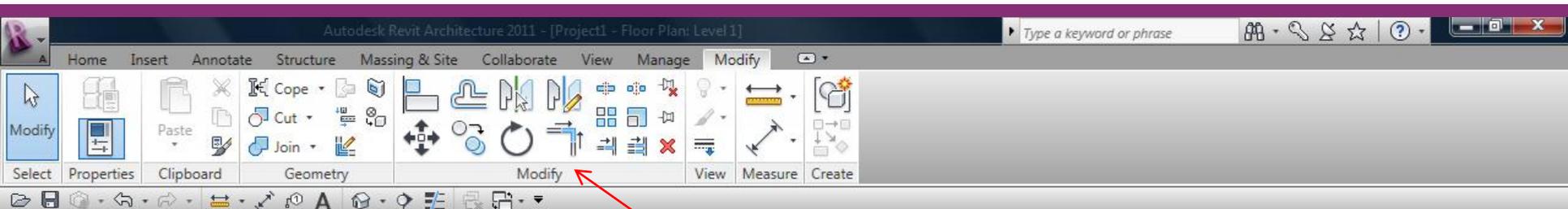
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...
Underlay	None

Properties help Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



أوامر الرسم  
الأساسية

Properties

Floor Plan: Level 1 Edit Type

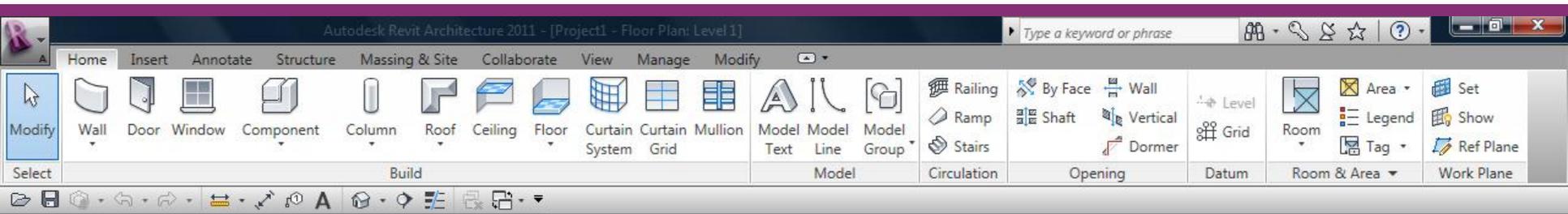
Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	<span>Edit...</span>
Visual Style	Hidden Line
Graphic Display ...	<span>Edit...</span>
Underlay	None

[Properties help](#) Apply

Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
  - Legends
  - Schedules/Quantities
  - Sheets (all)
- Families
- Groups
- Revit Links



Properties

Floor Plan: Level 1 Edit Type

Graphics

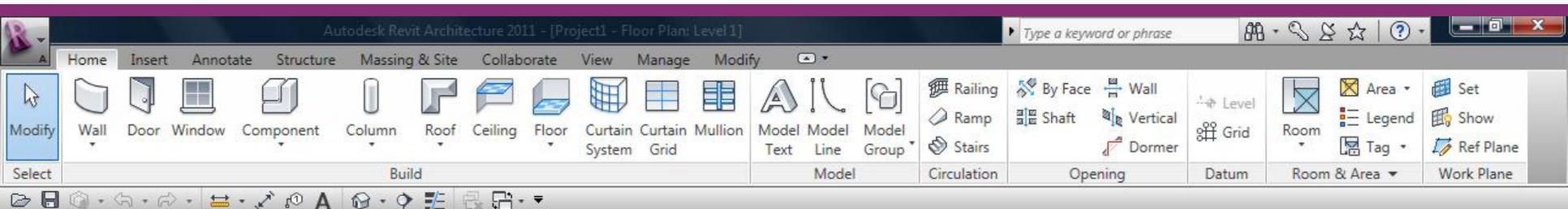
View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

نافذة الخيارات  
Options

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

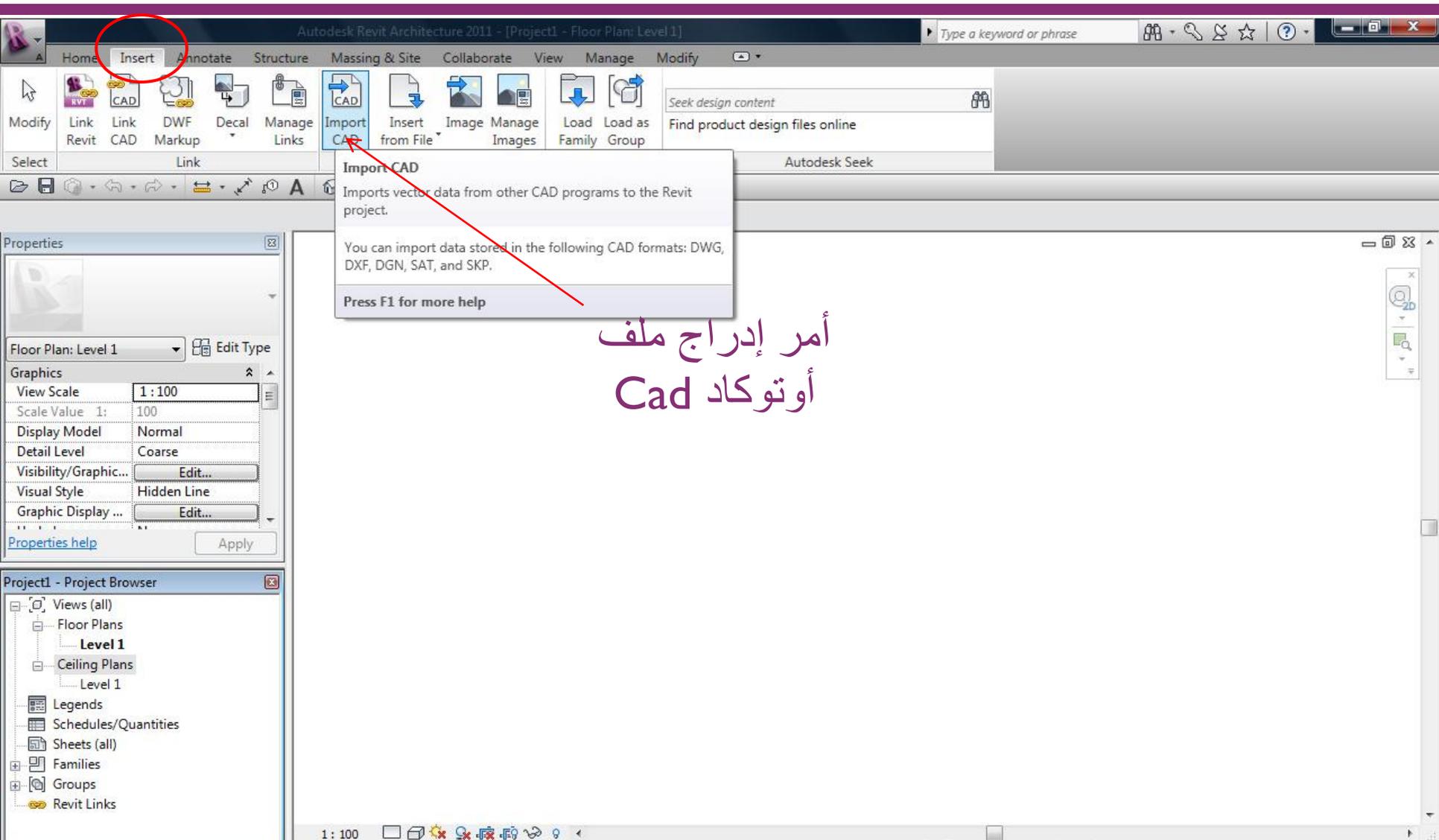
Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

نافذة استعراض  
المشروع  
project Browser

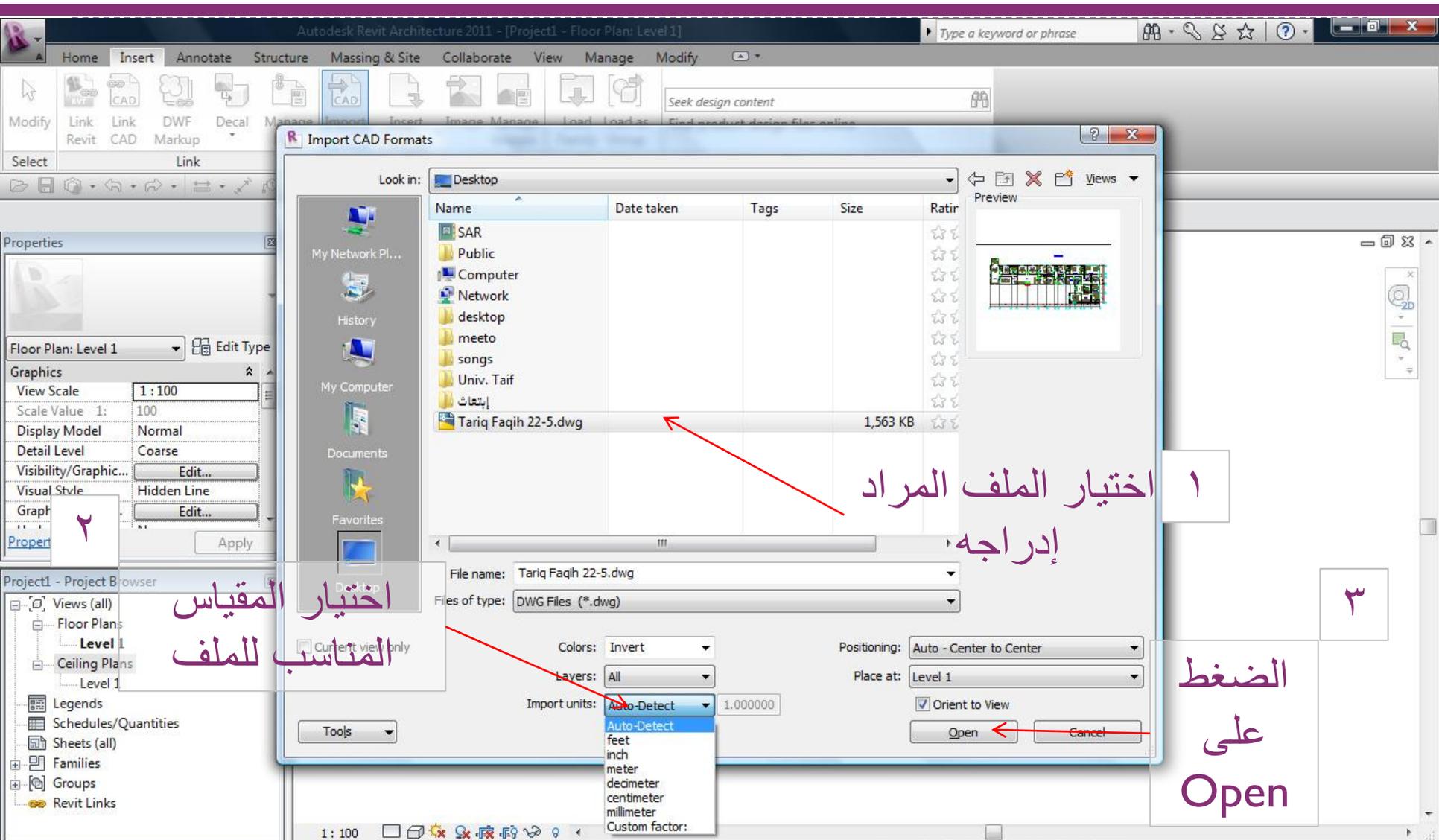
# إدراج ملف أوتوكاد وصورة

الدرس الثاني



**Import CAD**  
Imports vector data from other CAD programs to the Revit project.  
You can import data stored in the following CAD formats: DWG, DXF, DGN, SAT, and SKP.  
Press F1 for more help

أمر إدراج ملف  
أوتوكاد Cad



اختيار الملف المراد

إدراجه

اختيار المقياس المناسب للملف

الضغط على Open

٣

Autodesk Revit Architecture 2011 - [Project1 - Floor Plan: Level 1] Type a keyword or phrase

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Modify Select Link Revit Link CAD DWF Markup Decal Manage Links Import CAD Insert from File Image Manage Images Load Family Load as Group Load from Library

Seek design content Find product design files online Autodesk Seek

Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale	1 : 100
Scale Value - 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

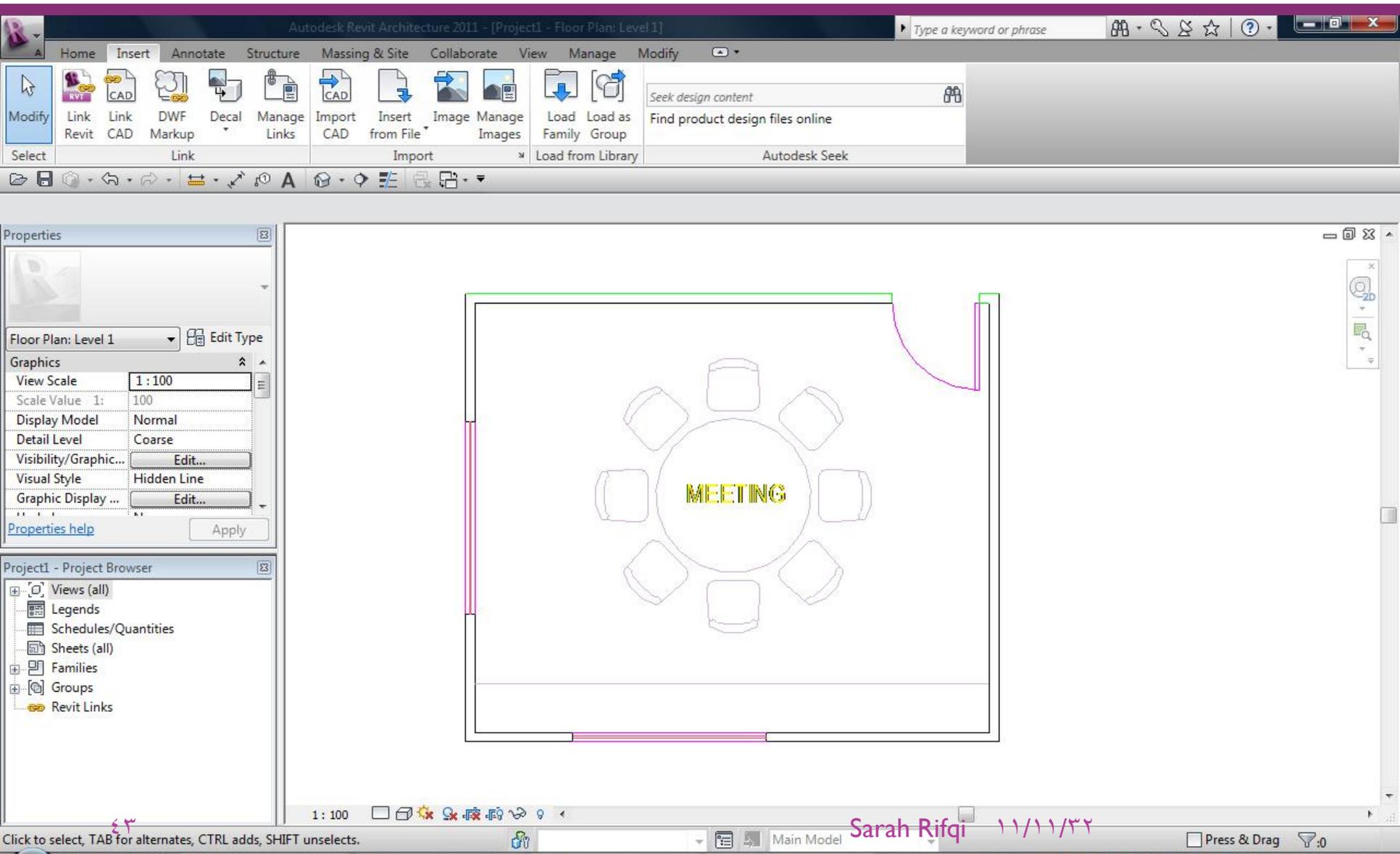
Project1 - Project Browser

- Views (all)
  - Floor Plans
    - Level 1**
  - Ceiling Plans
    - Level 1
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

1 : 100

# رسم الحوائط والأبواب والشبابيك

# بعد إدراج ملف أوتوكاد من الخيارات السابقة ....



Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Sarah Rifqi 11/11/22

Press & Drag

# من نافذة Home

The image shows the Autodesk Revit Architecture 2011 software interface. The top ribbon is set to 'Home', and the 'Wall' tool is highlighted with a red circle and an arrow pointing to the 'Properties' panel. The 'Properties' panel shows the 'Wall' tool selected, with a 'View Scale' of 1:100. The main view is a floor plan of a room labeled 'MEETING' in yellow text, containing a circular table and eight chairs. The room is outlined with a pink wall. The 'Project1 - Project Browser' is visible on the left, and the status bar at the bottom shows 'Main Model' and the date '11/11/32'.

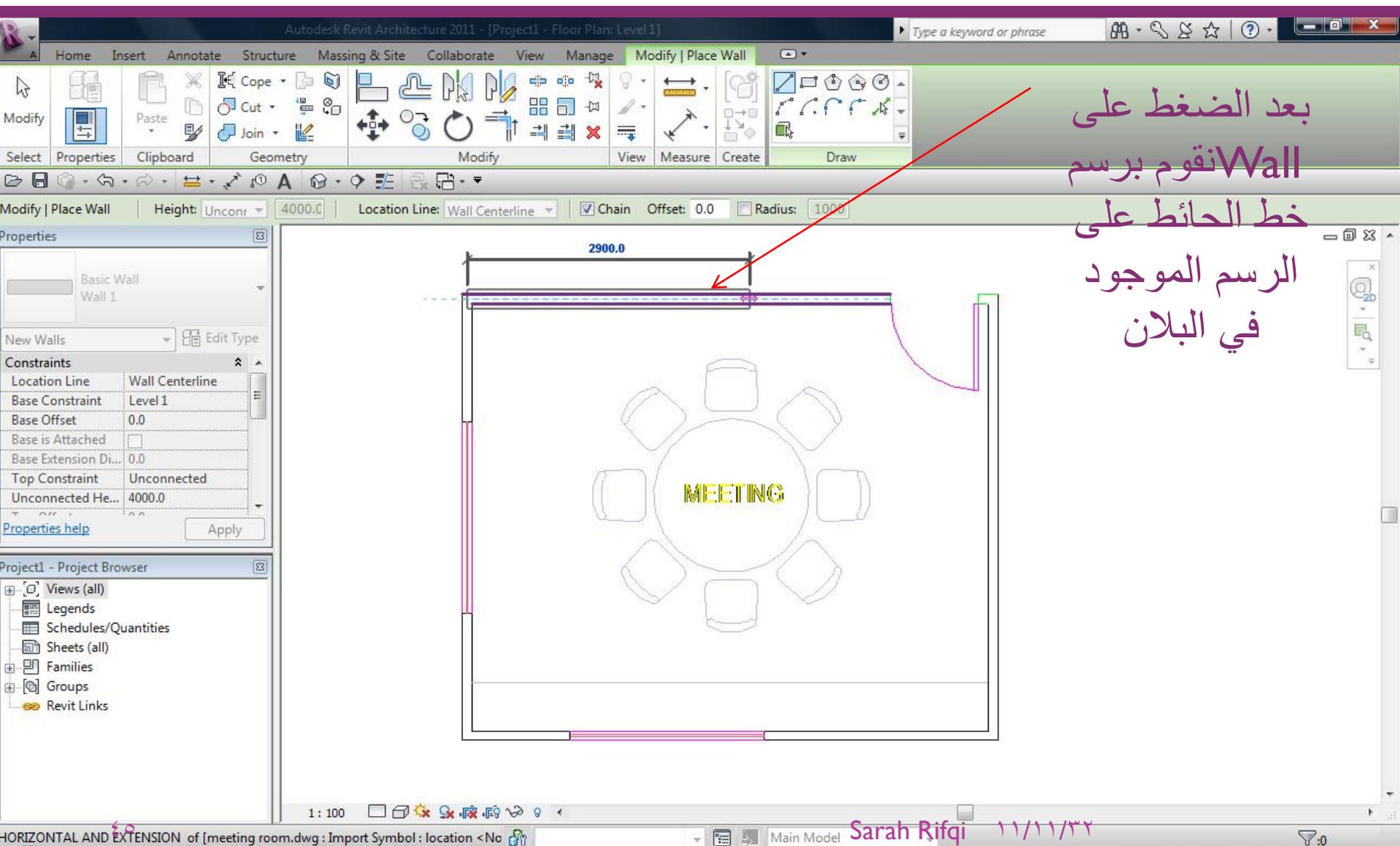
أمر رسم حائط  
Wall

1 : 100

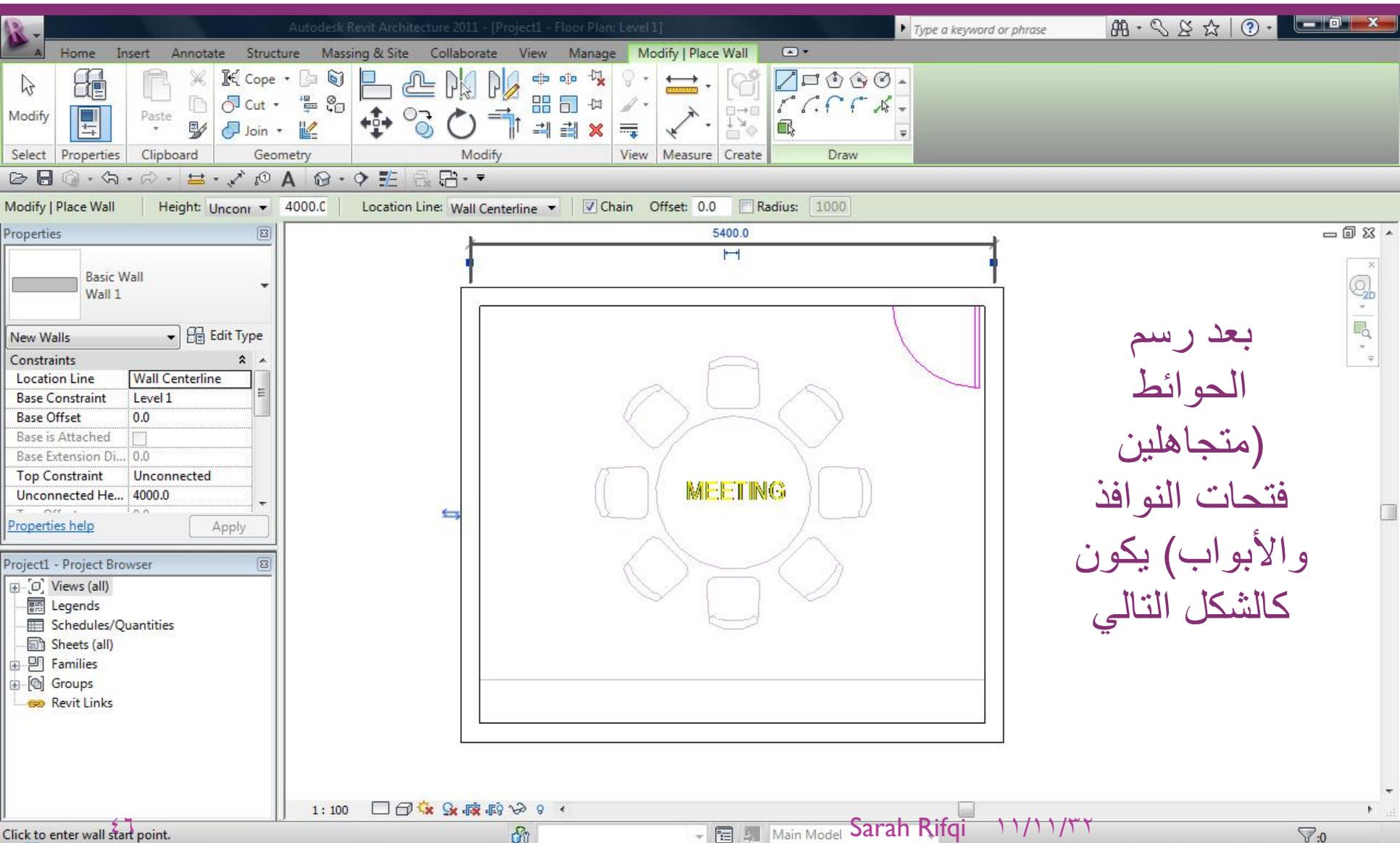
Main Model Sarah Rifqi 11/11/32

Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

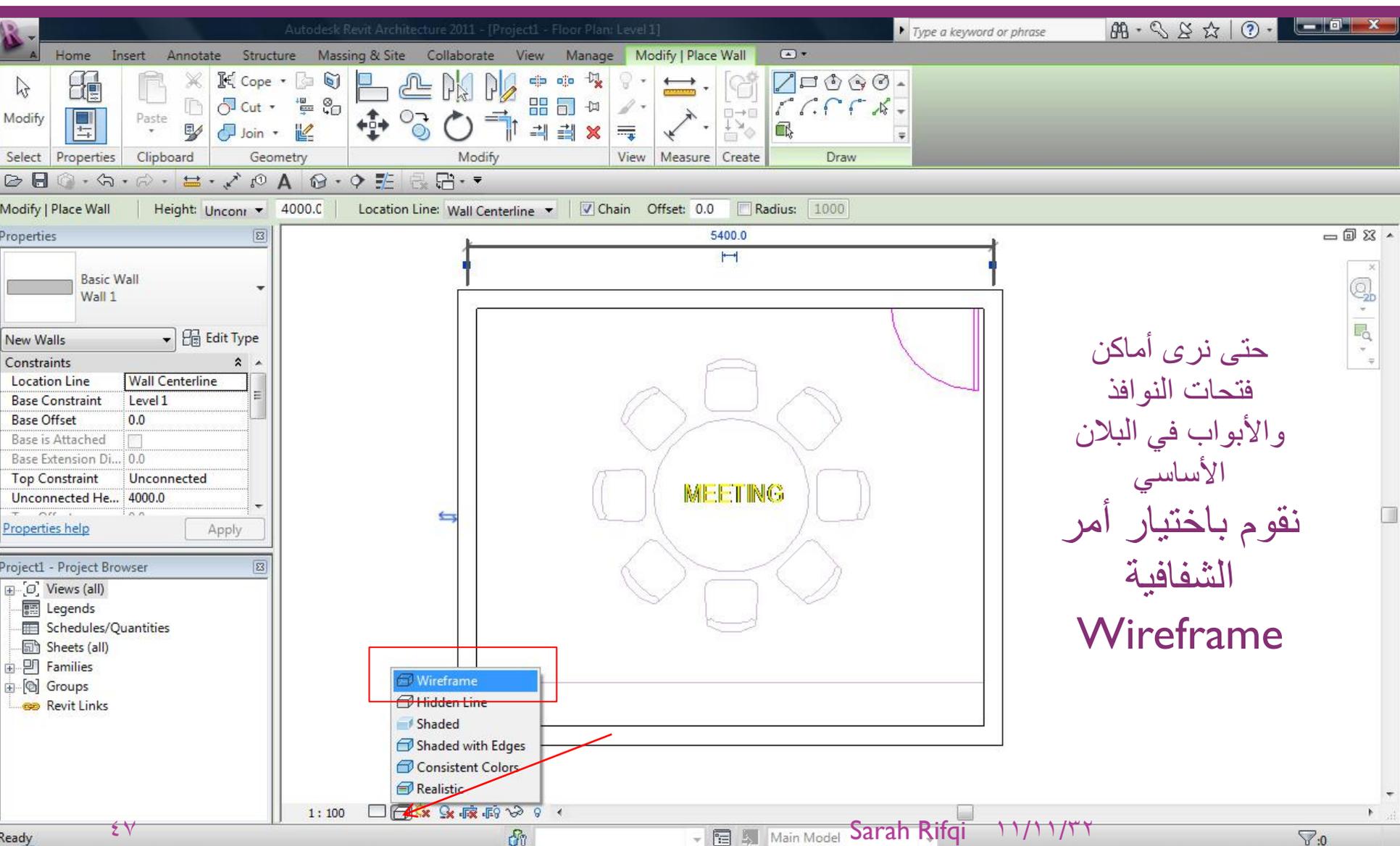
Press & Drag



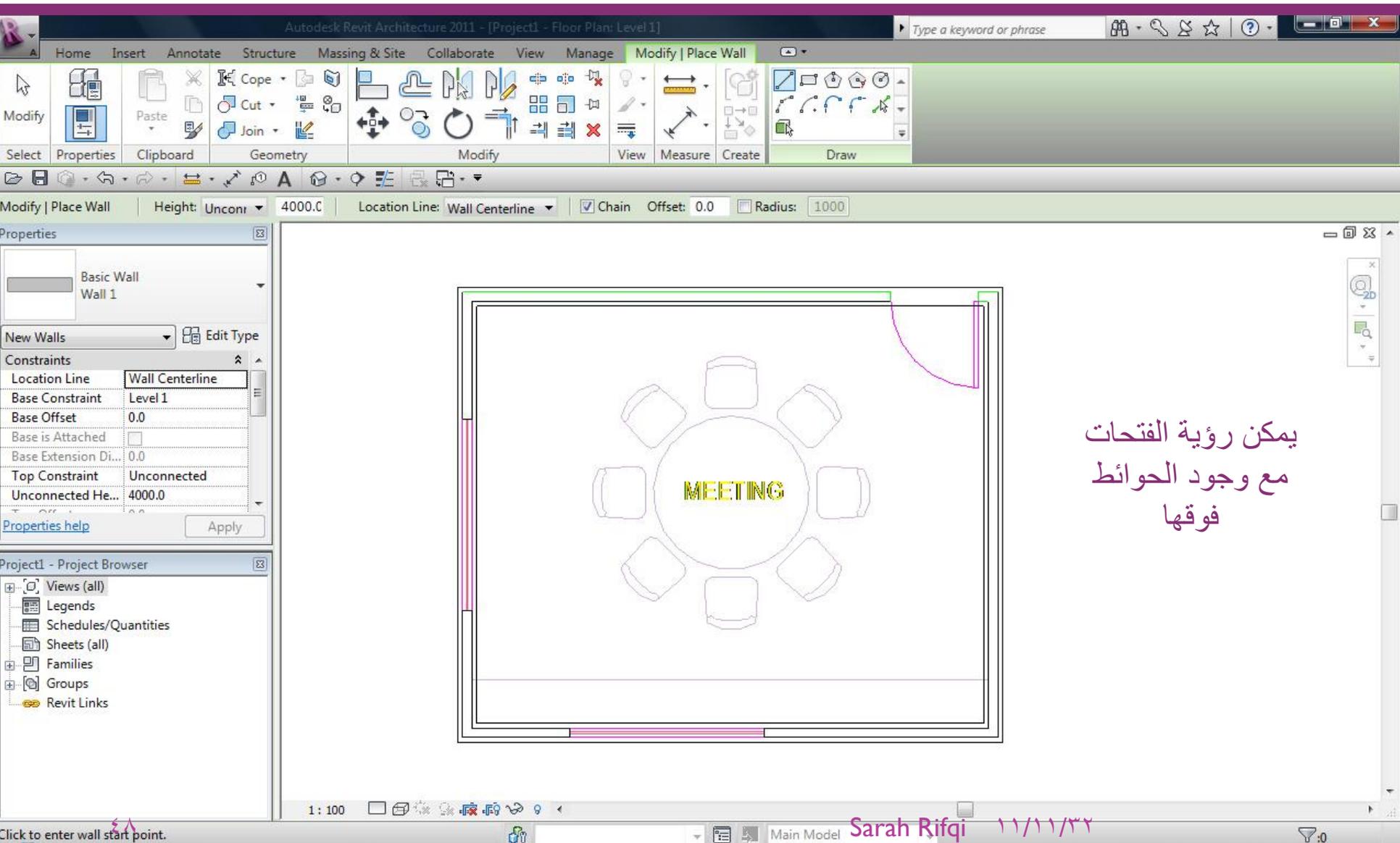
بعد الضغط على  
Wall نقوم برسم  
خط الحائط على  
الرسم الموجود  
في البلان



بعد رسم  
الحوائط  
(متجاهلين  
فتحات النوافذ  
والأبواب) يكون  
كالشكل التالي



حتى نرى أماكن  
فتحات النوافذ  
والأبواب في البلان  
الأساسي  
نقوم باختيار أمر  
الشفافية  
Wireframe



يمكن رؤية الفتحات  
مع وجود الحوائط  
فوقها

Click to enter wall start point.

# من نافذة Home

The screenshot displays the Autodesk Revit Architecture 2011 interface. The top ribbon is set to 'Home', and the 'Place Wall' panel is active. The 'Door (DR)' button is highlighted with a red circle, and a red arrow points to it. A tooltip for the 'Door (DR)' button is visible, stating 'Adds doors to the building model. Press F1 for more help'. The Properties palette on the left shows the 'Basic Wall' type with a height of 4000.0 and a location line of 'Wall Centerline'. The Project Browser on the left shows the 'Views (all)' folder expanded. The main view shows a meeting room with a circular table and chairs, labeled 'MEETING'. A door is being placed on the right wall of the room. The status bar at the bottom indicates 'Main Model' and 'Sarah Rifqi 11/11/32'.

Autodesk Revit Architecture 2011 - [Project1 - Floor Plan: Level 1]

Type a keyword or phrase

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify | Place Wall

Modify Wall Door (DR)

Door (DR)  
Adds doors to the building model.  
Press F1 for more help

Height: Unconr 4000.0 Location Line: Wall Centerline Chain Offset: 0.0 Radius: 1000

Basic Wall  
Wall 1

New Walls Edit Type

Constraints	
Location Line	Wall Centerline
Base Constraint	Level 1
Base Offset	0.0
Base is Attached	<input type="checkbox"/>
Base Extension Dr...	0.0
Top Constraint	Unconnected
Unconnected He...	4000.0

Properties help Apply

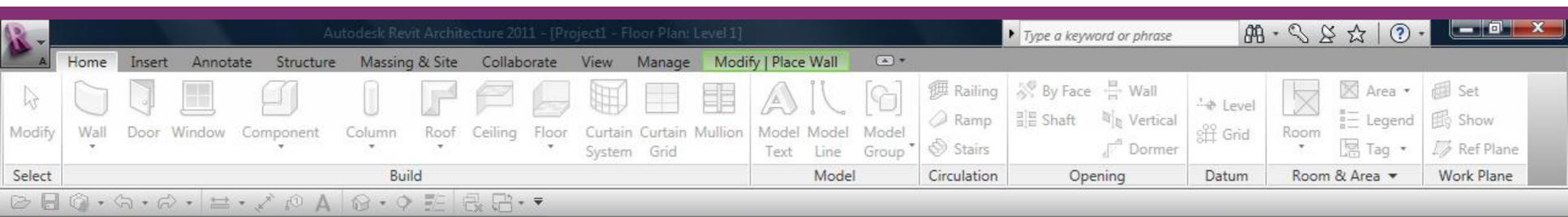
Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

1: 100

Main Model Sarah Rifqi 11/11/32

Click to enter wall start point.



Modify | Place Wall

Properties

New Walls

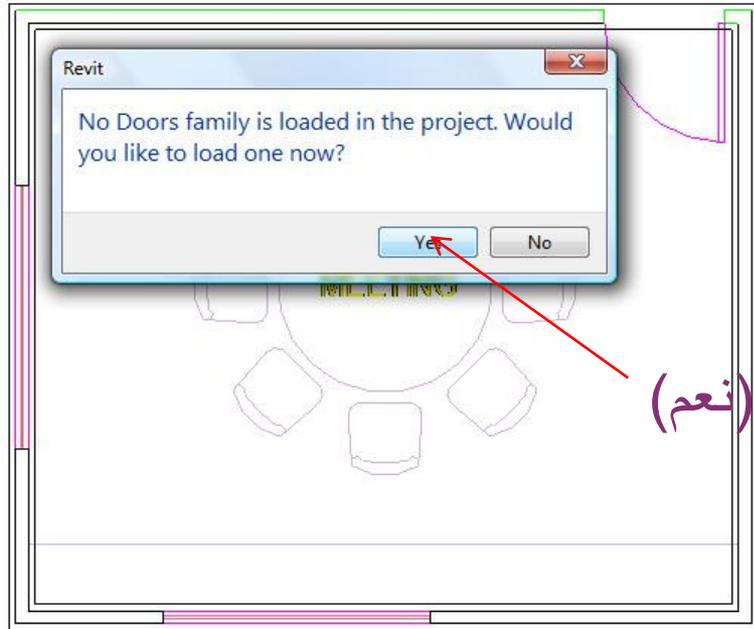
Constraints

Location Line	Wall Centerline
Base Constraint	Level 1
Base Offset	0.0
Base is Attached	<input type="checkbox"/>
Base Extension Di...	0.0
Top Constraint	Unconnected
Unconnected He...	4000.0

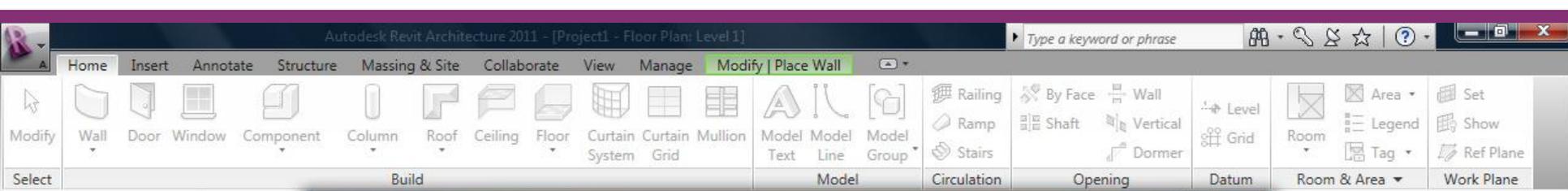
[Properties help](#)

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



اختيار (نعم)



Modify | Place Wall

Properties

New Walls: Edit Type

Constraints

Location Line	Wall Centerline
Base Constraint	Level 1
Base Offset	0.0
Base is Attached	<input type="checkbox"/>
Base Extension Di...	0.0
Top Constraint	Unconnected
Unconnected He...	4000.0

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

Load Family

Look in: Doors

Name	Date taken	Tags	Size	Re...
Overhead-Sectional.rfa			192 KB	
Sidelights 1.rfa			220 KB	
Sidelights 2.rfa			220 KB	
Single-Cold Room.rfa			208 KB	
Single-Decorative 2.rfa			228 KB	
Single-Flush.rfa			204 KB	
Single-Flush Vision.rfa			208 KB	
Single-Flush-Dbi Actin...			204 KB	
Single-Glass 1.rfa			212 KB	
Single-Glass 2.rfa			236 KB	
Single-Glass 3.rfa			220 KB	
Single-Panel 1.rfa			220 KB	
Single-Panel 2.rfa			224 KB	
Single-Panel 3.rfa			220 KB	
Single-Panel 4.rfa			224 KB	

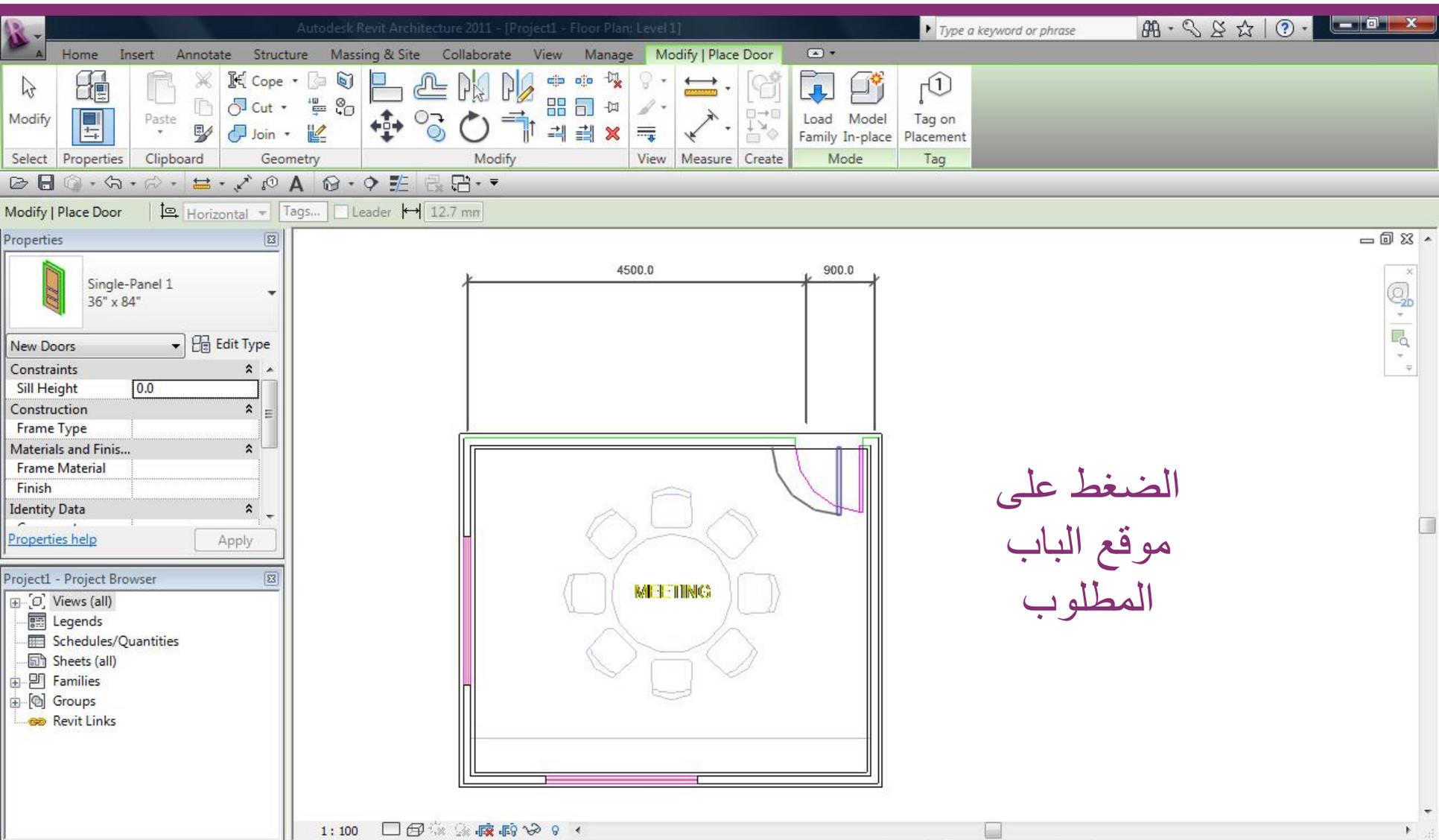
Preview:

File name: Single-Panel 1.rfa

Files of type: All Supported Files (\*.rfa, \*.adsk)

Open Cancel

اختيار الباب المناسب من القائمة



الضغط على  
موقع الباب  
المطلوب

# من نافذة Home

The image shows the Autodesk Revit Architecture 2011 software interface. The top ribbon is set to 'Home', and the 'Window' tool is selected. A red circle highlights the 'Home' ribbon, and a red arrow points from the 'Window' tool to the drawing area. The drawing area shows a floor plan of a room with a circular table and chairs, labeled 'MEETING'. The room is outlined with a double-line border, indicating a window. The Properties panel on the left shows the 'Floor Plan: Level 1' view with a scale of 1:100. The Project Browser on the left shows the project structure. The status bar at the bottom indicates the current view is 'Main Model'.

Autodesk Revit Architecture 2011 - [Project1 - Floor Plan: Level 1]

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Modify Wall Door Window Component Column Roof Ceiling Floor Curtain System Mullion Model Text Line Group Railing Ramp Stairs By Face Shaft Stairs Wall Vertical Dormer Level Grid Room Legend Tag Set Show Ref Plane

Window (WN)  
Adds windows to the building model.  
Press F1 for more help

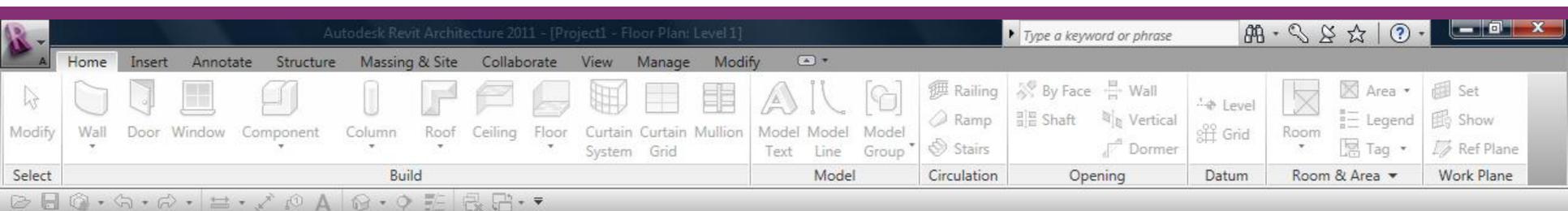
Properties  
Floor Plan: Level 1 Edit Type  
Graphics  
View Scale 1 : 100  
Scale Value 1: 100  
Display Model Normal  
Detail Level Coarse  
Visibility/Graphic... Edit...  
Visual Style Wireframe  
Graphic Display ... Edit...  
Properties help Apply

Project1 - Project Browser  
Views (all)  
Legends  
Schedules/Quantities  
Sheets (all)  
Families  
Groups  
Revit Links

1 : 100 Main Model Sarah Rifqi 11/11/22

Click to select, TAB for alternates, CTRL adds, SHIFT unselects. Press & Drag

أمر رسم نافذة  
Window



Properties

Floor Plan: Level 1 Edit Type

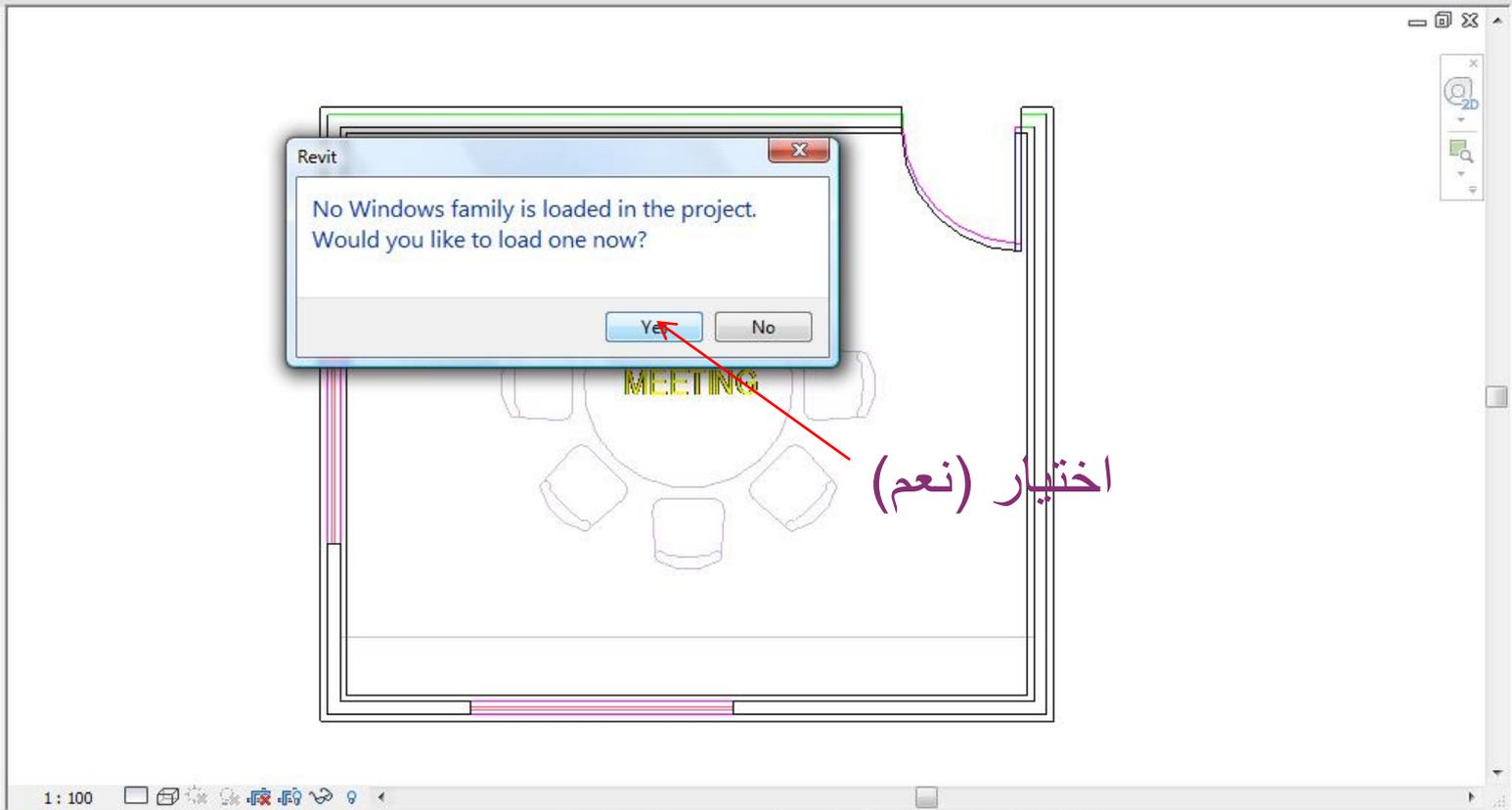
Graphics

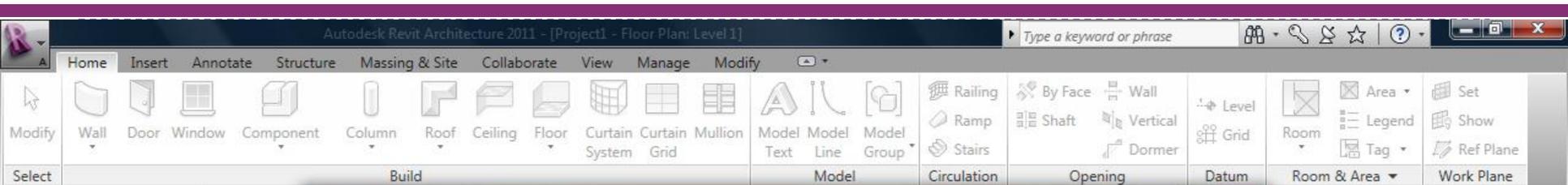
View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Wireframe
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links





Load Family

Look in: Windows

Name	Date taken	Tags	Size	Rating
Archtop with Trim.rfa			240 KB	☆☆
Awning with Trim.rfa			224 KB	☆☆
Casement 3x3 with Tri...			256 KB	☆☆
Casement Dbl with Tri...			236 KB	☆☆
Casement wit...			224 KB	☆☆
Combination			252 KB	☆☆
Curtain Wall			196 KB	☆☆
Double Hung.rfa			216 KB	☆☆
Double Hung with Tri...			228 KB	☆☆
Ellipse with Trim.rfa			244 KB	☆☆
Fixed.rfa			212 KB	☆☆
Fixed with Trim.rfa			220 KB	☆☆

File name: Casement 3x3 with Trim.rfa

Files of type: All Supported Files (\*.rfa, \*.adsk)

Open Cancel



اختيار النافذة المناسبة من القائمة

Properties

Floor Plan: Level 1

Graphics

View Scale: 1:100

Scale Value: 100

Display Model: Normal

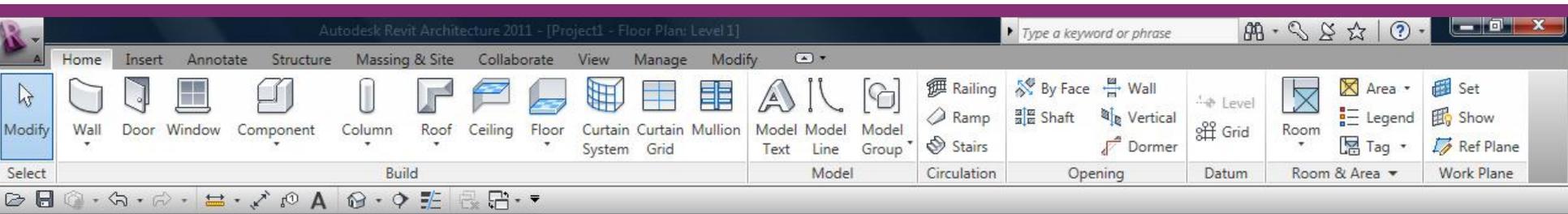
Detail Level: Coarse

Visual Style: Wireframe

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links





Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale 1 : 100

Scale Value 1: 100

Display Model Normal

Detail Level Coarse

Visibility/Graphic... Edit...

Visual Style Wireframe

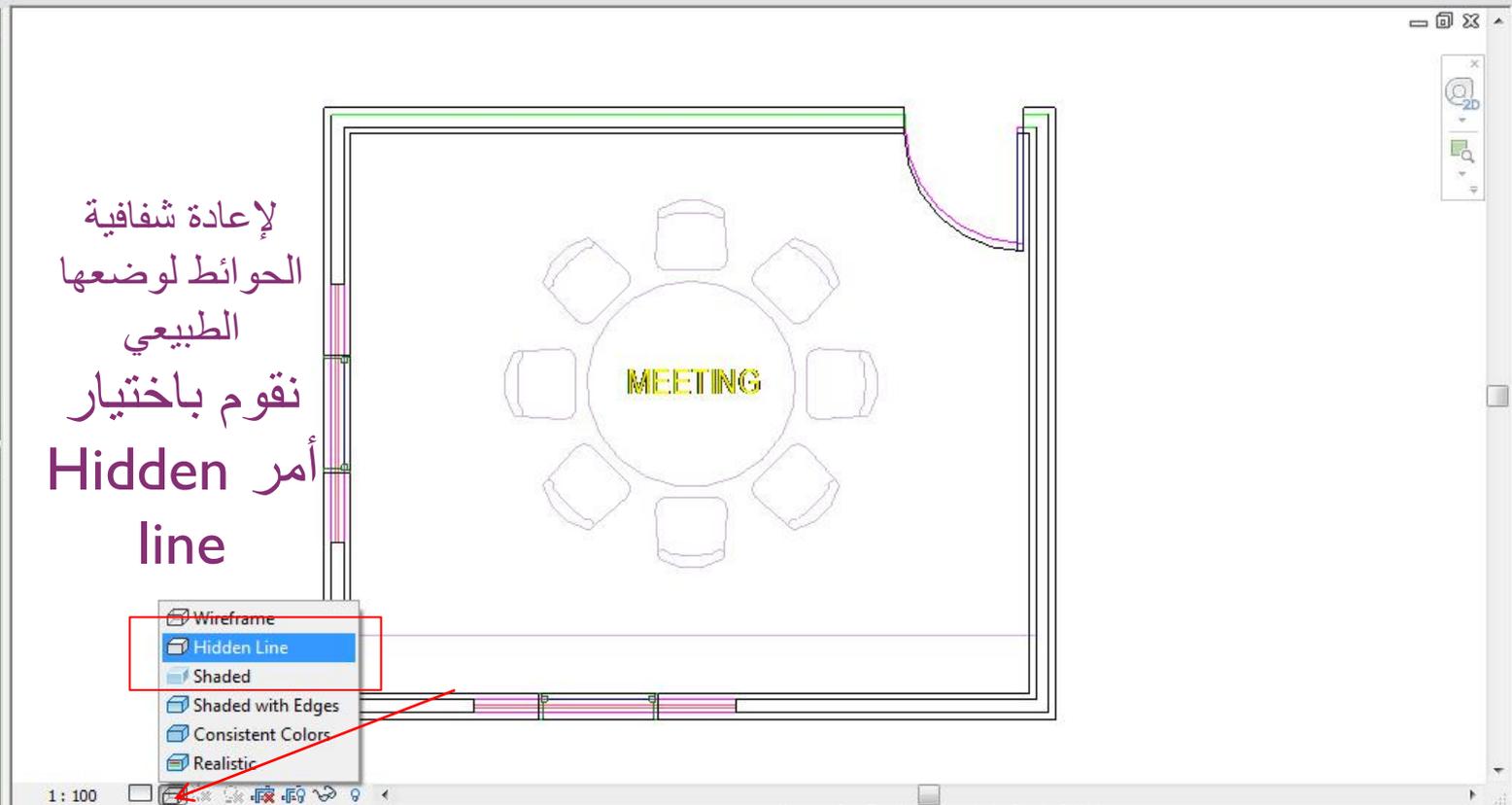
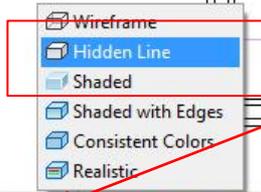
Graphic Display ... Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

إعادة شفافية  
الحوائط لوضعها  
الطبيعي  
نقوم باختيار  
امر Hidden  
line



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 Stairs Wall Vertical Dormer Level Grid Room Legend Tag Area Legend Tag Set Show Ref Plane Work Plane

Properties

Floor Plan: Level 1 Edit Type

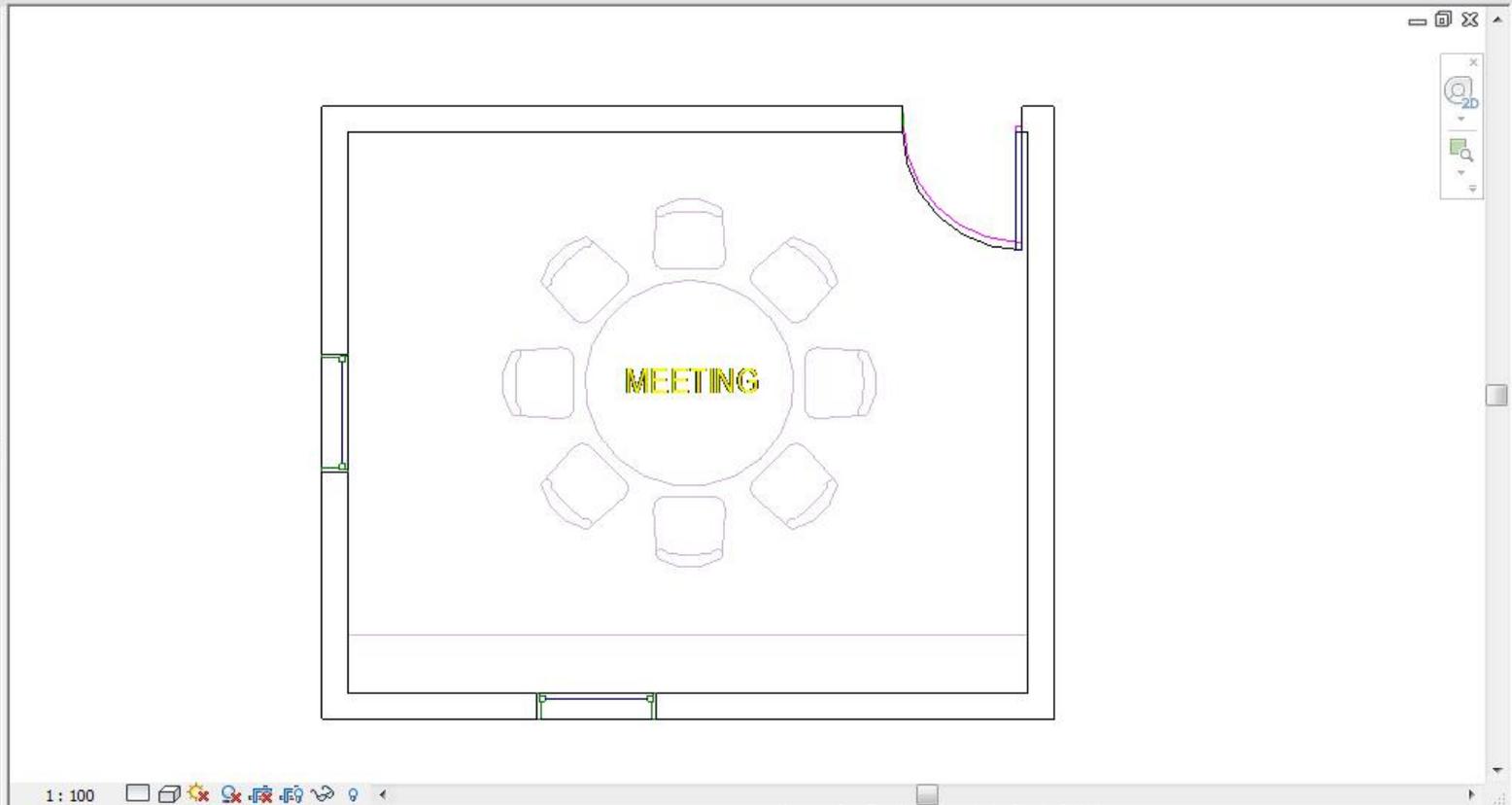
Graphics

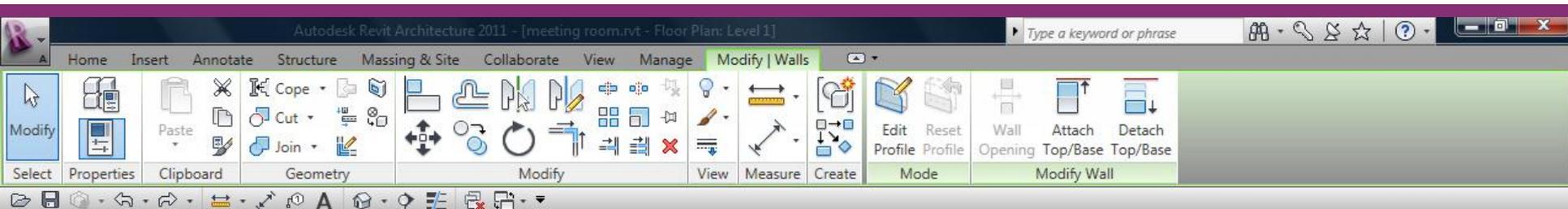
View Scale	1 : 100
Scale Value 1:	100
Display Model	Normal
Detail Level	Coarse
Visibility/Graphic...	Edit...
Visual Style	Hidden Line
Graphic Display ...	Edit...

Properties help Apply

Project1 - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links





Modify | Walls

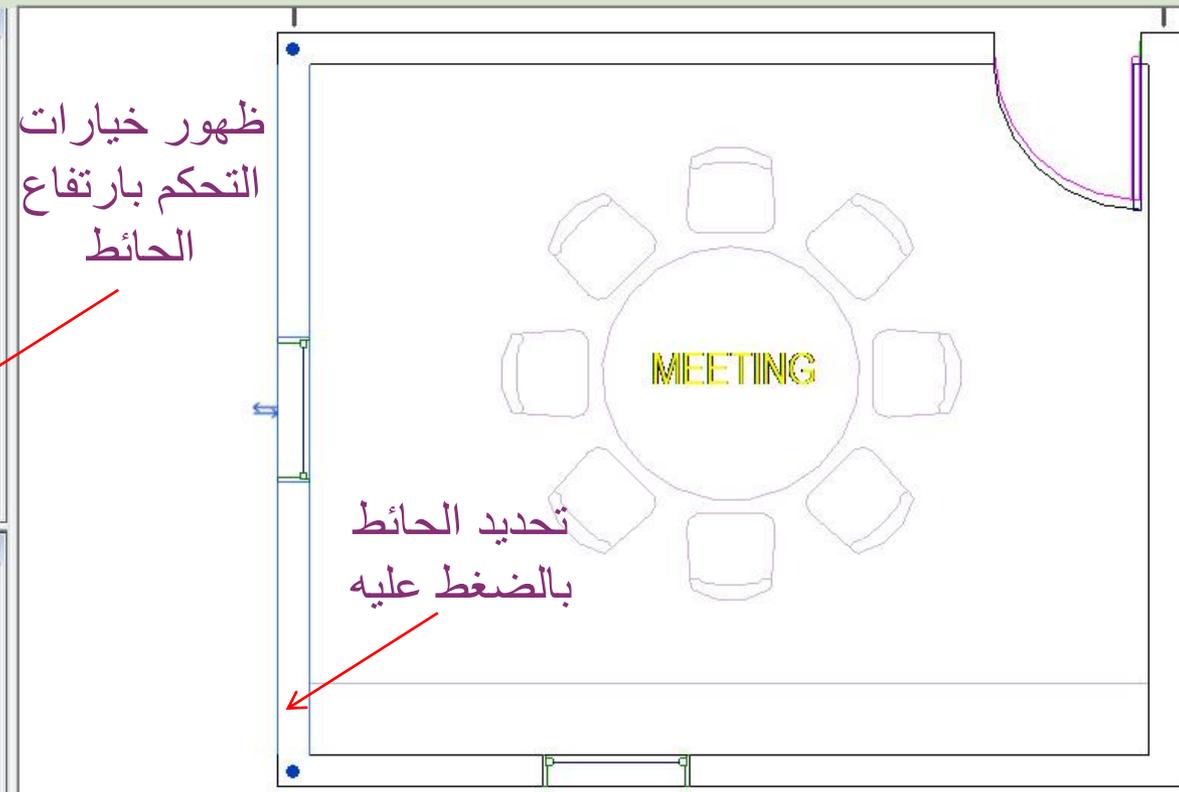
Properties

Basic Wall  
Wall 1

Walls (1) Edit Type

Constraints	
Location Line	Wall Centerline
Base Constraint	Level 1
Base Offset	0.0
Base is Attached	<input type="checkbox"/>
Base Extension Di...	0.0
Top Constraint	Unconnected
Unconnected He...	4000.0
Top Offset	0.0
Top is Attached	<input type="checkbox"/>
Top Extension Di...	0.0

Properties help Apply



ظهور خيارات التحكم بارتفاع الحائط

تحديد الحائط بالضغط عليه

# رسم الأرضية والسقف

# من نافذة Home

The image shows the Autodesk Revit Architecture 2011 software interface. The top ribbon is set to 'Home', and the 'Floor' tool is highlighted. A tooltip for the 'Floor' tool is visible, stating: 'Creates a floor for the current level of the building model. Press F1 for more help'. A red arrow points from the tooltip to the floor plan view in the main workspace. The floor plan shows a rectangular room with a circular table and eight chairs arranged around it. The word 'MEETING' is written in yellow text in the center of the table. The room has a purple outline, indicating it is the selected element. The Properties panel on the left shows the current view is 'Floor Plan: Level 1' with a scale of 1:100. The Project Browser on the bottom left shows the project structure. The status bar at the bottom indicates the current view is 'Main Model'.

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Modify Wall Door Window Component Column Roof Ceiling Floor

Floor  
Creates a floor for the current level of the building model.  
Press F1 for more help

Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale 1 : 100

Scale Value 1: 100

Display Model Normal

Detail Level Coarse

Visibility/Graphic... Edit...

Visual Style Hidden Line

Graphic Display ... Edit...

meeting room.rvt - Project Browser

Views (all)

Legends

Schedules/Quantities

Sheets (all)

Families

Groups

Revit Links

1 : 100

Main Model Sarah Rifqi 11/11/22

Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Press & Drag

ظهور نافذة جديدة

## Modify \ Create floor boundry

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]

Home Insert Annotate Structure Massing & Site Collaborate View Manage **Modify | Create Floor Boundry**

Modify Properties Clipboard Geometry **Modify** View Measure Create **Mode** Draw Work Plane

Boundary Line  
Slope Arrow  
Span Direction

Set Show Ref Plane

Offset: 0.0  Extend into wall (to core)

Properties

Floors Edit Type

Constraints

Level Level 1

Height Offset Fro... 0.0

Room Bounding

Related to Mass

Structural

Structural

Dimensions

Properties help Apply

meeting room.rvt - Project Browser

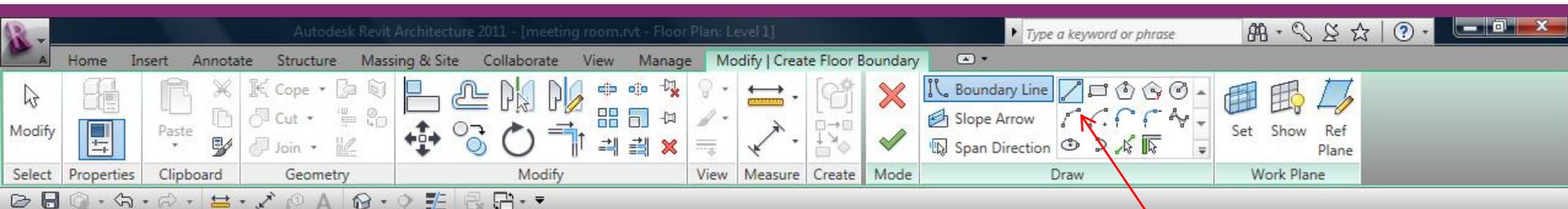
Views (all)  
Legends  
Schedules/Quantities  
Sheets (all)  
Families  
Groups  
Revit Links

1: 100 Main Model

أوامر تعديل الرسم ٢  
أمر الإلغاء ٣  
أوامر رسم الخطوط الأساسية أو الإنهاء أو الإلغاء ١

Pick walls to create lines.

Sarah Rifqi ١١/١١/٢٢



Chain Offset: 0.0 Radius: 1000

Properties

Floors

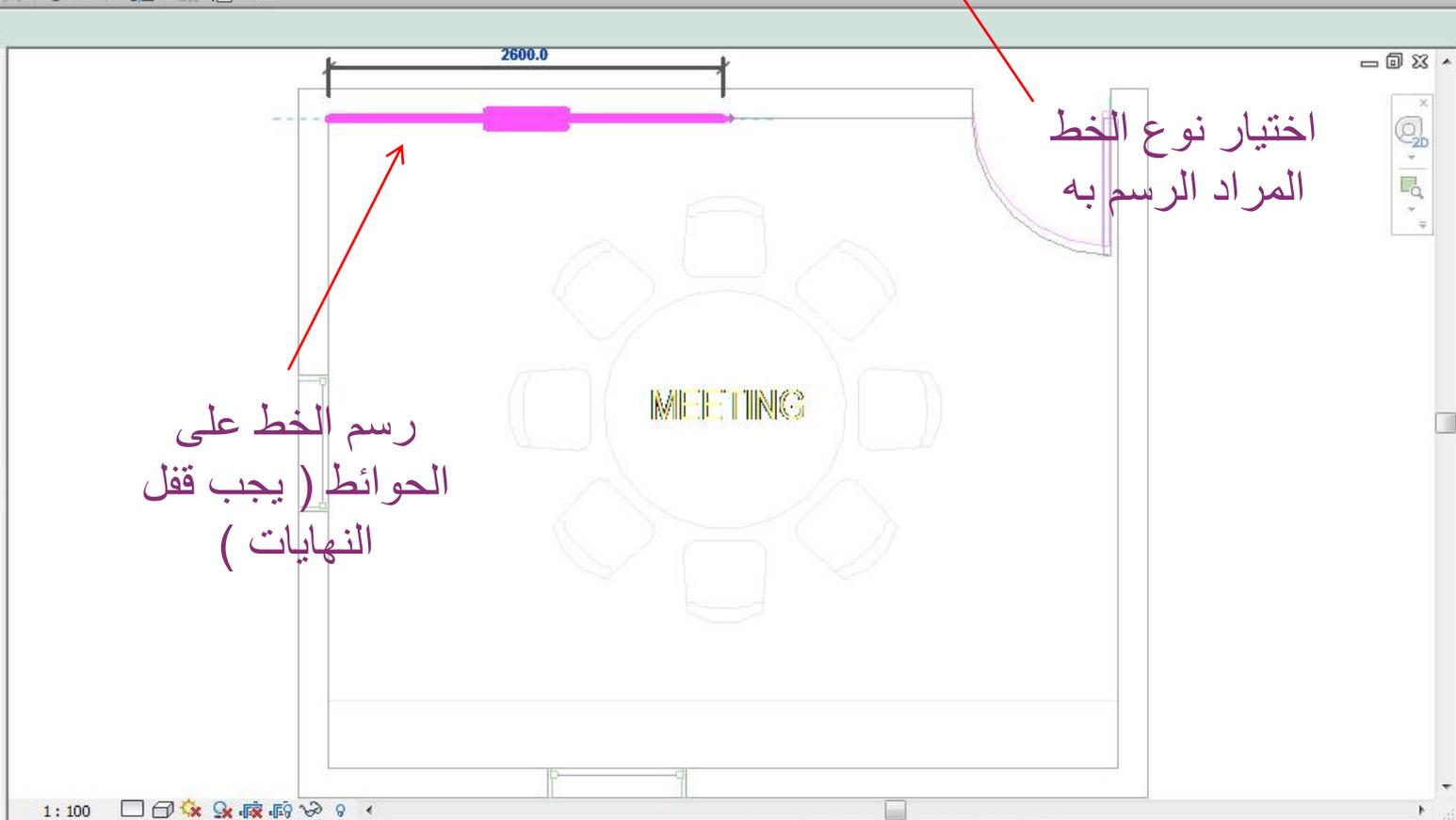
Constraints

Level	Level 1
Height Offset Fro...	0.0
Room Bounding	<input checked="" type="checkbox"/>
Related to Mass	<input type="checkbox"/>

Structural

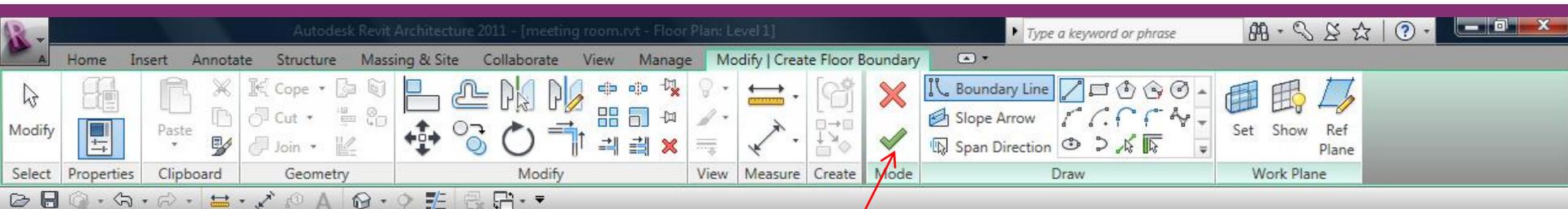
Dimensions

Apply



اختيار نوع الخط  
المراد الرسم به

رسم الخط على  
الحوائط ( يجب قفل  
النهايات )



Chain  Offset: 0.0  Radius: 1000

Properties

Floors  Edit Type

Level	Level 1
Height Offset Fro...	0.0
Room Bounding	<input checked="" type="checkbox"/>
Related to Mass	<input type="checkbox"/>

Structural

Structural	<input type="checkbox"/>
------------	--------------------------

Dimensions

[Properties help](#)

meeting room.rvt - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



Click to enter line start point.

Home Insert Annotate Structure Massing & Site Collaborate View Manage **Modify | Floors**

**Modify** | Select Properties Clipboard Geometry Modify View Measure Create Mode Shape Editing

Clipboard: Paste, Copy, Cut, Join

Geometry: Cope, Cut, Join, Extrude, etc.

Modify: Move, Rotate, Scale, etc.

View: Hide, Show, etc.

Measure: Dimension, etc.

Create: Room, etc.

Mode: Edit Boundary, Modify Sub Elements

Shape Editing: Add Point, Add Split Line, Pick Supports, Reset Shape

Standard toolbar: Save, Undo, Redo, etc.

Modify | Floors

Properties

Floor: Floor 1

Floors (1) Edit Type

Constraints

Level: Level 1

Height Offset Fro...: 0.0

Room Bounding:

Related to Mass:

Structural

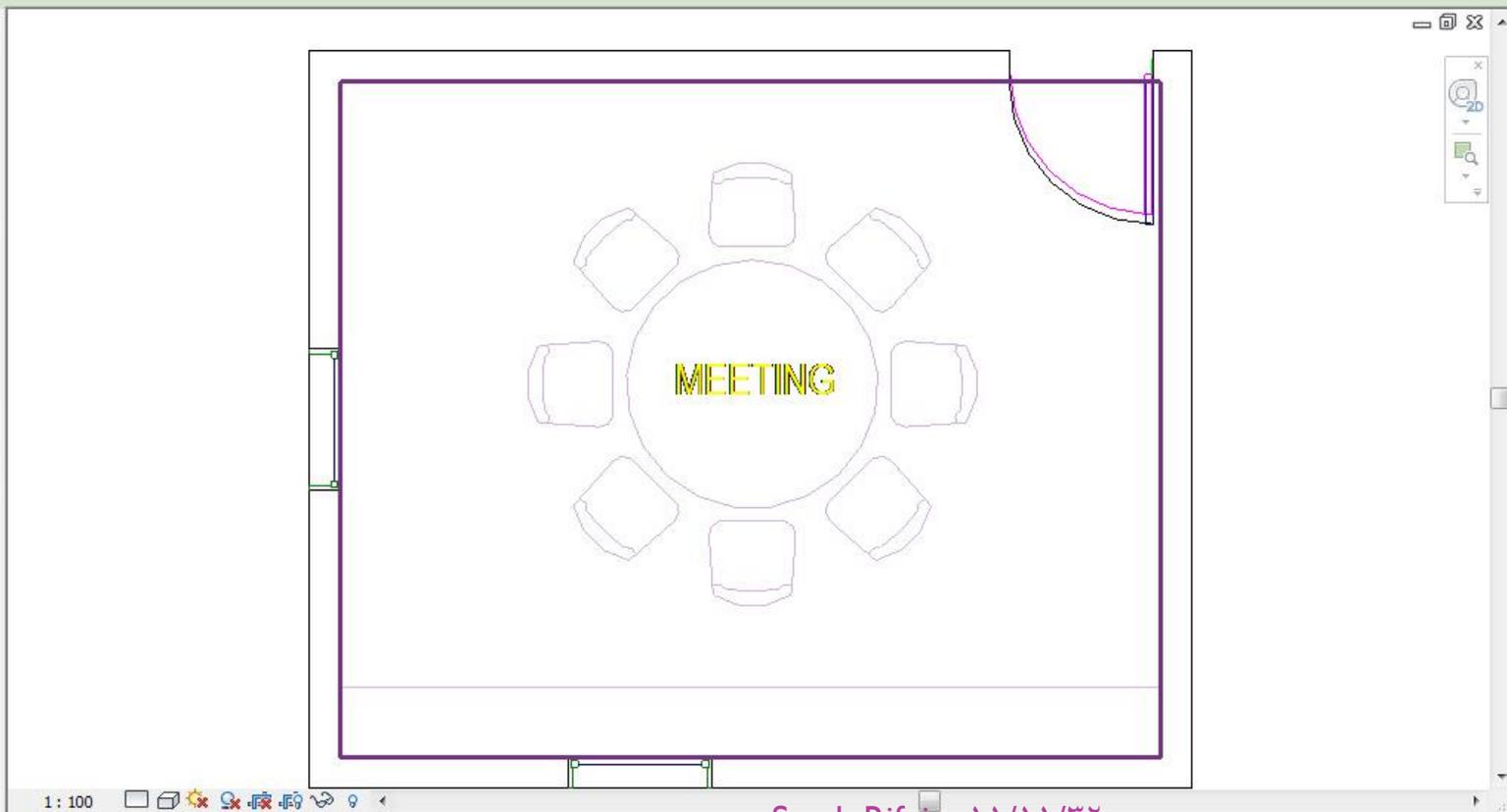
Structural:

Dimensions

Properties help Apply

meeting room.rvt - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



# من نافذة Home

The image shows the Autodesk Revit Architecture 2011 software interface. The top ribbon is set to 'Home', and the 'Ceiling' tool is highlighted. A tooltip for the 'Ceiling' tool is displayed, stating: 'Creates a ceiling at a specified distance above the level in which it resides. Press F1 for more help'. A red arrow points from the 'Ceiling' tool icon to the tooltip. The main view area shows a floor plan of a meeting room with a circular table and chairs, and the word 'MEETING' in yellow text. The Properties panel on the left shows the current view is 'Floor Plan: Level 1' with a scale of '1:100'. The Project Browser on the bottom left shows the project structure. The status bar at the bottom indicates 'Main Model' and 'Sarah Rifqi 11/11/22'.

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Modify Wall Door Window Component Column Roof Ceiling

Select Build

**Ceiling**  
Creates a ceiling at a specified distance above the level in which it resides.  
Press F1 for more help

Properties

Floor Plan: Level 1 Edit Type

Graphics

View Scale 1:100

Scale Value 1: 100

Display Model Normal

Detail Level Coarse

Visibility/Graphic... Edit...

Visual Style Hidden Line

Graphic Display ... Edit...

Properties help Apply

meeting room.rvt - Project Browser

Views (all)

Legends

Schedules/Quantities

Sheets (all)

Families

Groups

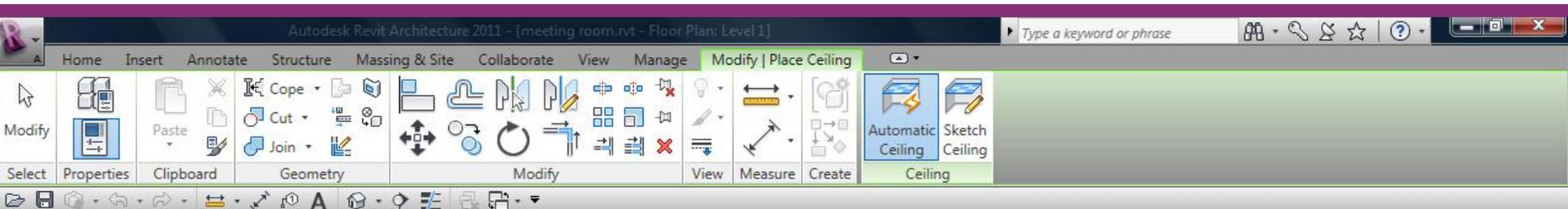
Revit Links

1:100

Main Model Sarah Rifqi 11/11/22

Press & Drag

اختيار أمر رسم السقف Ceiling



Modify | Place Ceiling

Properties

Basic Ceiling  
Ceiling 1

Ceilings (1) Edit Type

Constraints

Level	Level 1
Height Offset Fro...	2600.0
Room Bounding	<input checked="" type="checkbox"/>

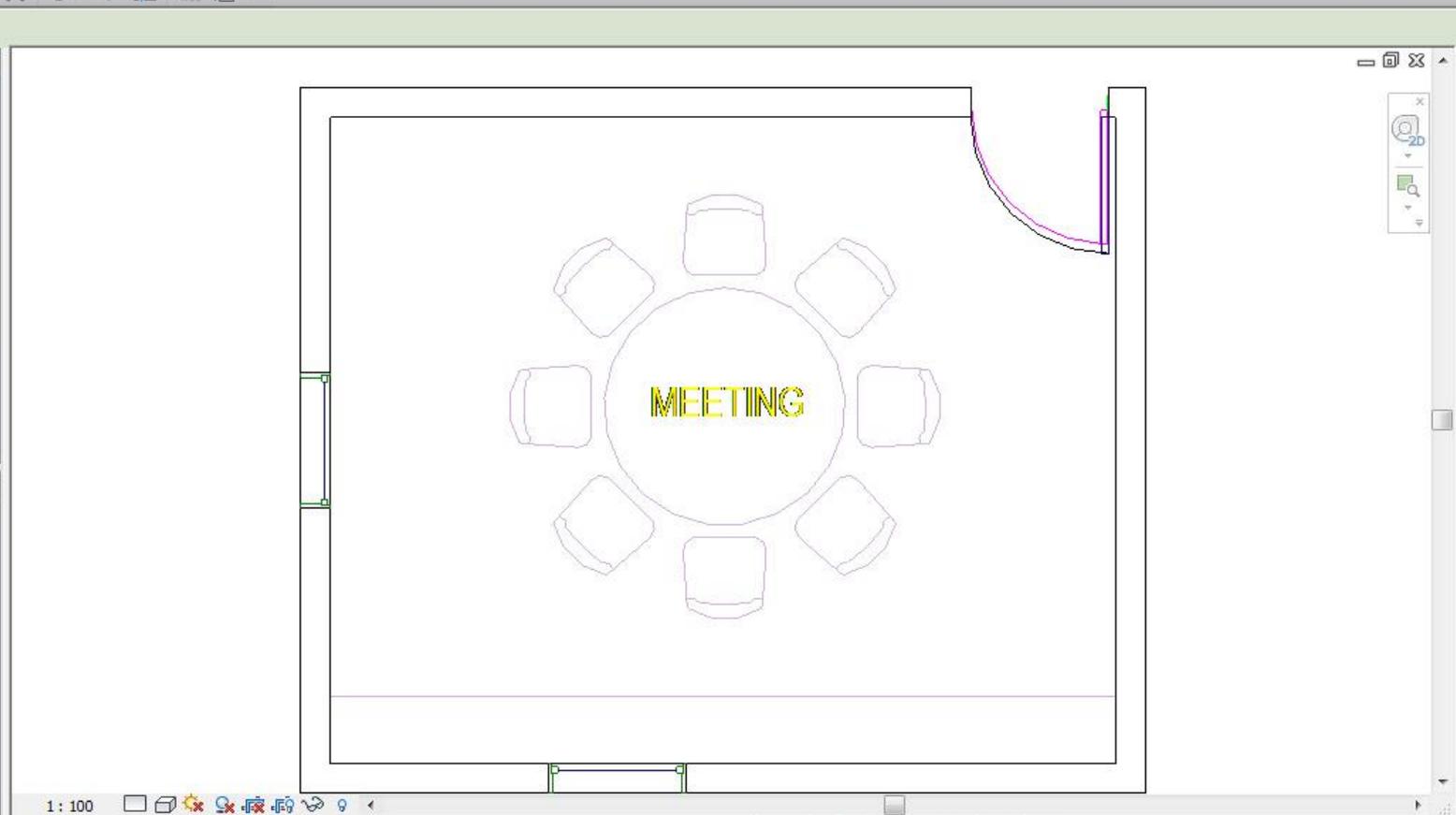
Dimensions

Slope	
Perimeter	
Area	

[Properties help](#) Apply

meeting room.rvt - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



# ظهور نافذة جديدة Modify \ Place Ceiling

The screenshot displays the Autodesk Revit Architecture 2011 interface. The ribbon is set to 'Modify | Place Ceiling'. A tooltip for the 'Sketch Ceiling' button is visible, stating: 'Sketch Ceiling' - Creates a ceiling based on selected walls or sketched lines. Press F1 for more help. The main view shows a floor plan of a meeting room with a circular table and chairs. A rectangular ceiling boundary is being sketched around the room. The text 'MEETING' is written in the center of the room. The Properties panel on the left shows the 'Basic Ceiling' type with a height offset of 2600.0. The Project Browser on the left shows the current project structure.

اخيار امر  
Sketch  
Ceiling

1: 100

Click in an area bounded by walls to create ceiling

Main Model Sarah Rifqi 11/11/32

ظهور نافذة جديدة

## Modify \ Create Ceiling boundry

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1]

Home Insert Annotate Structure Massing & Site Collaborate View Manage **Modify | Create Ceiling Boundary**

Modify Properties Clipboard Geometry **Modify** View Measure Create **Mode** Draw Boundary Line Slope Arrow Work Plane Tools

Chain Offset: 0.0 Radius: 1000

Properties

Ceilings Edit Type

Constraints

Level	Level 1
Height Offset Fro...	2600.0
Room Bounding	<input checked="" type="checkbox"/>

Dimensions

Slope	
Perimeter	
Area	

meeting room.rvt - Project Browser

- Views (all)
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links

1 : 100

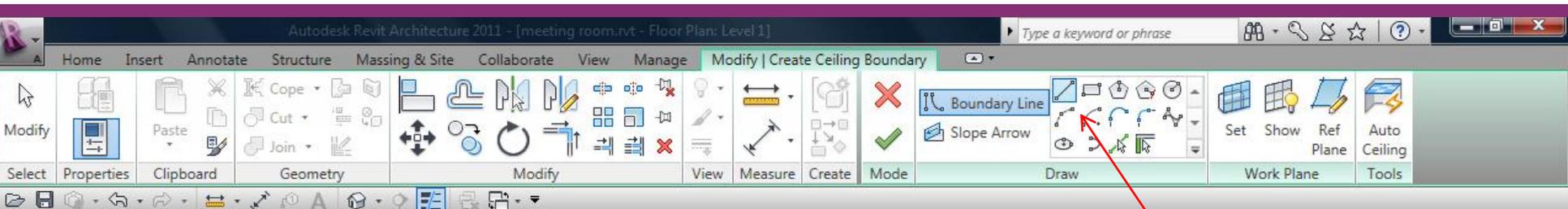
Main Model Sarah Rifqi 11/11/22

Click to enter line start point.

أوامر تعديل الرسم

أوامر رسم الخطوط الأساسية أو الإلغاء

أمر الإنهاء أو الإلغاء



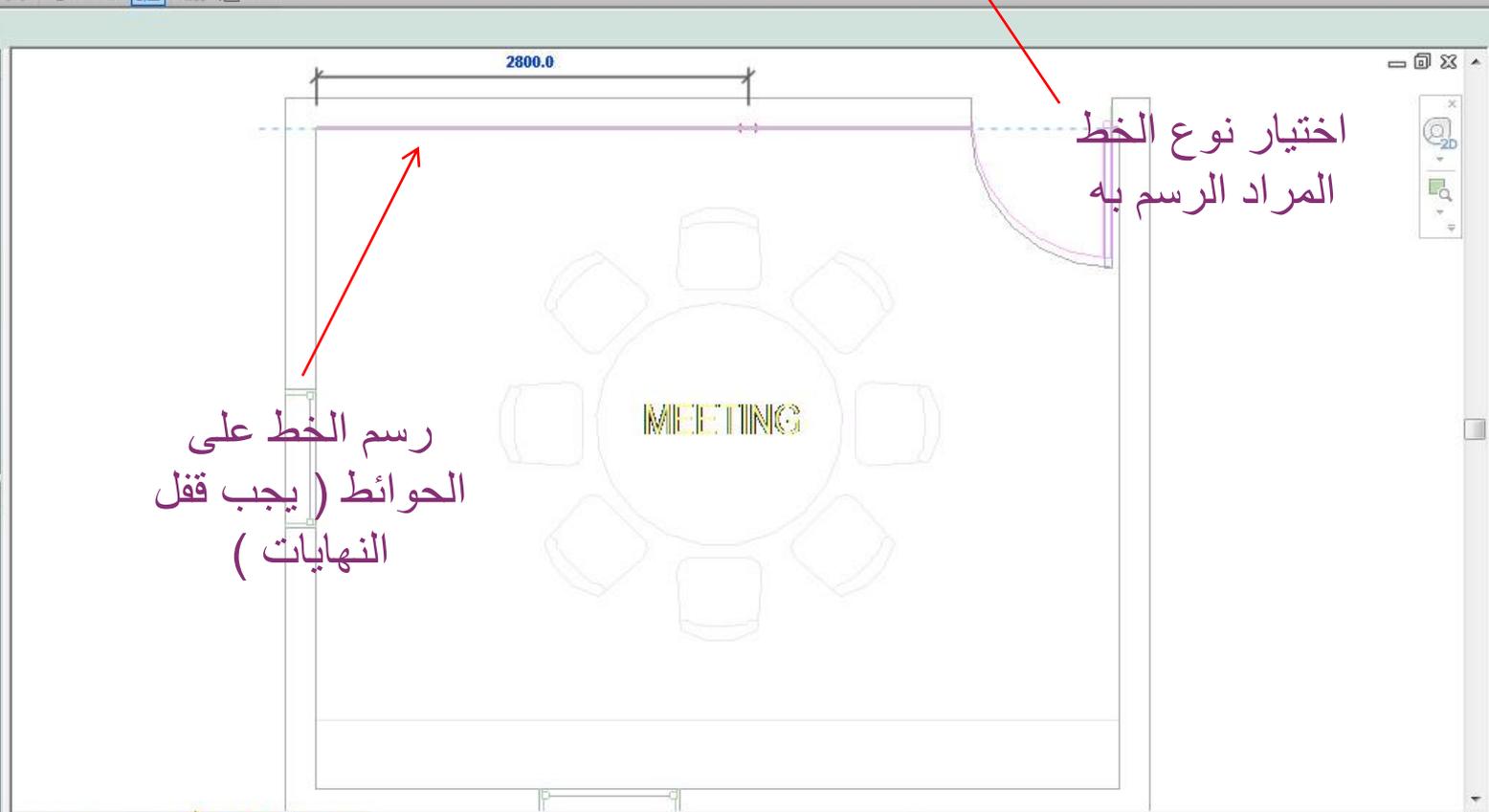
Chain Offset: 0.0 Radius: 1000

Properties

Ceilings Edit Type

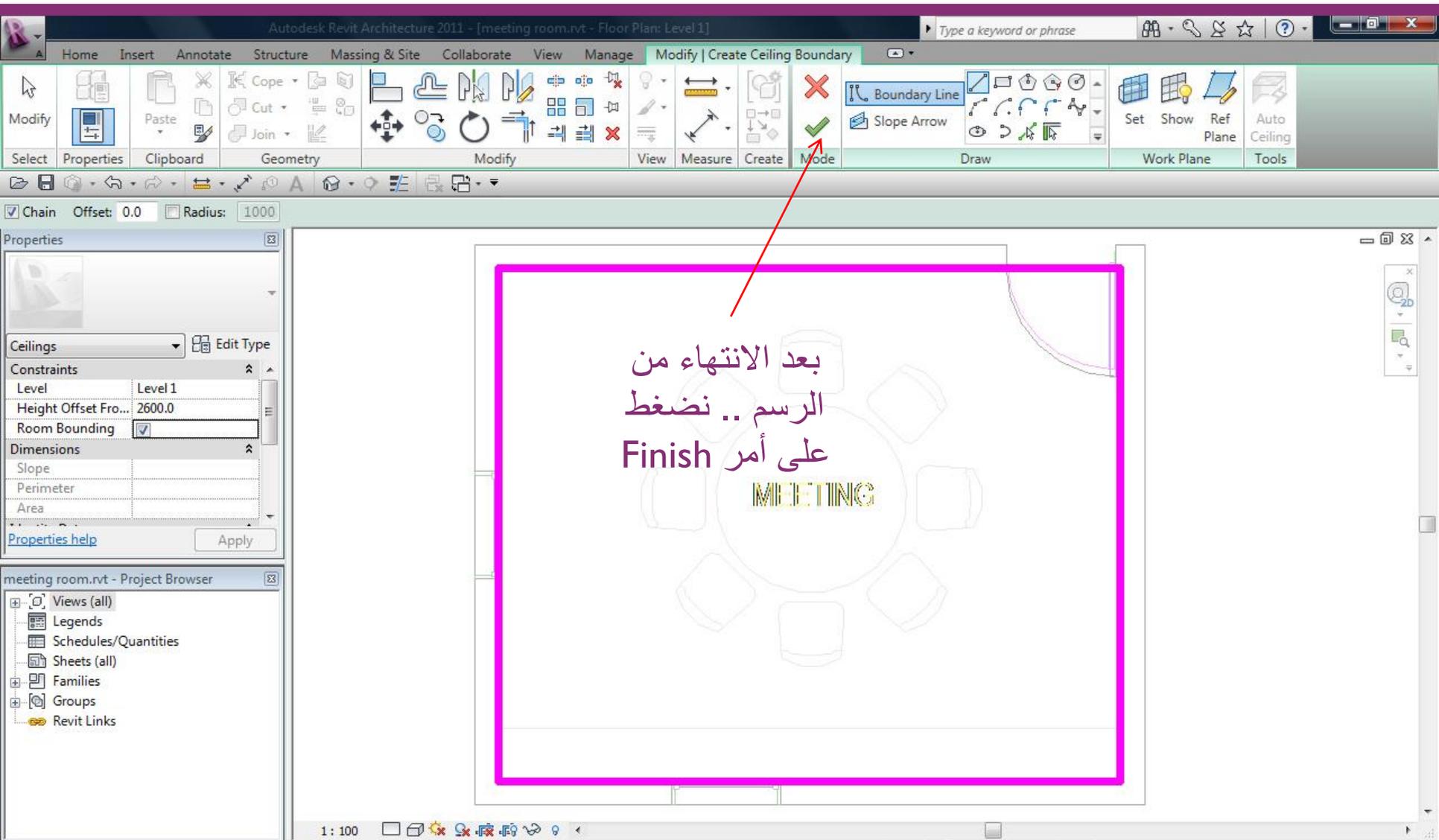
Constraints	
Level	Level 1
Height Offset Fro...	2600.0
Room Bounding	<input checked="" type="checkbox"/>
Dimensions	
Slope	
Perimeter	
Area	

Apply



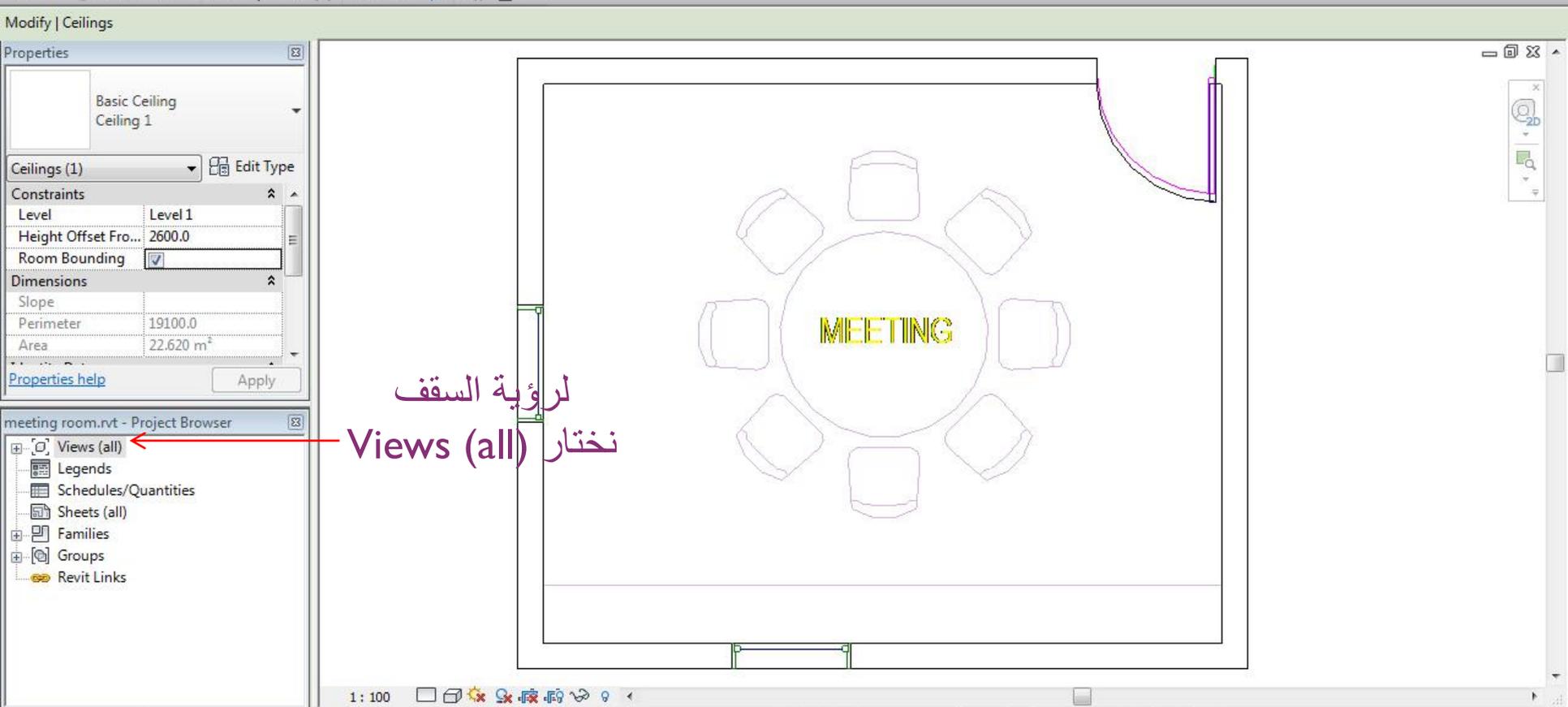
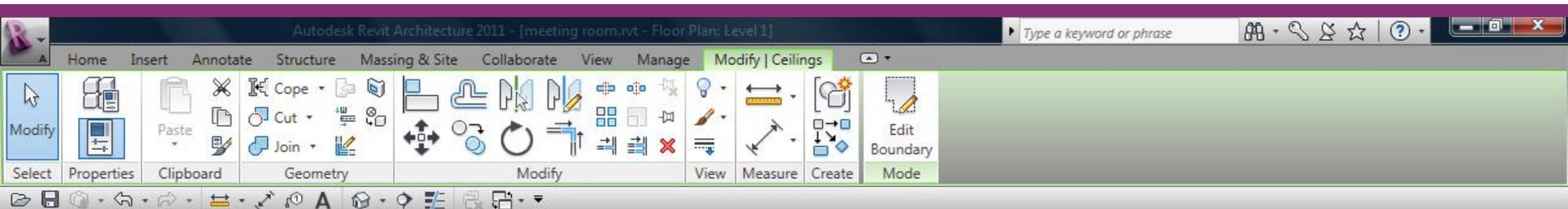
اختيار نوع الخط  
المراد الرسم به

رسم الخط على  
الحوائط ( يجب قفل  
النهايات )

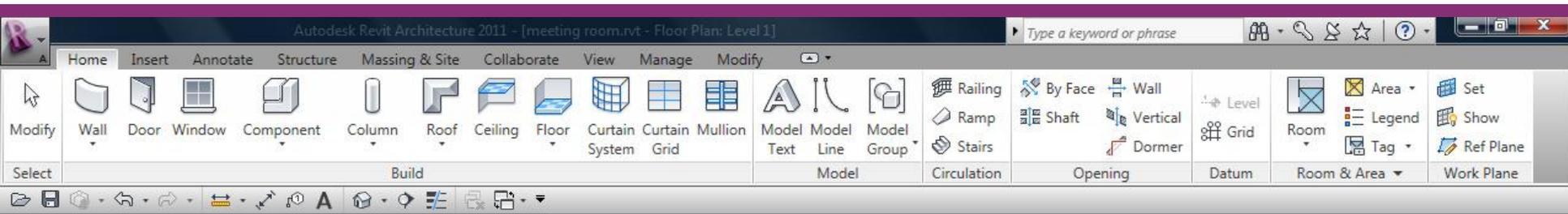


بعد الانتهاء من  
الرسم .. نضغط  
على أمر Finish  
MEETING

Click to enter line start point.



لرؤية السقف  
نختار Views (all)



Properties

Browser - Views  
all

Other (1) Edit Type

Other

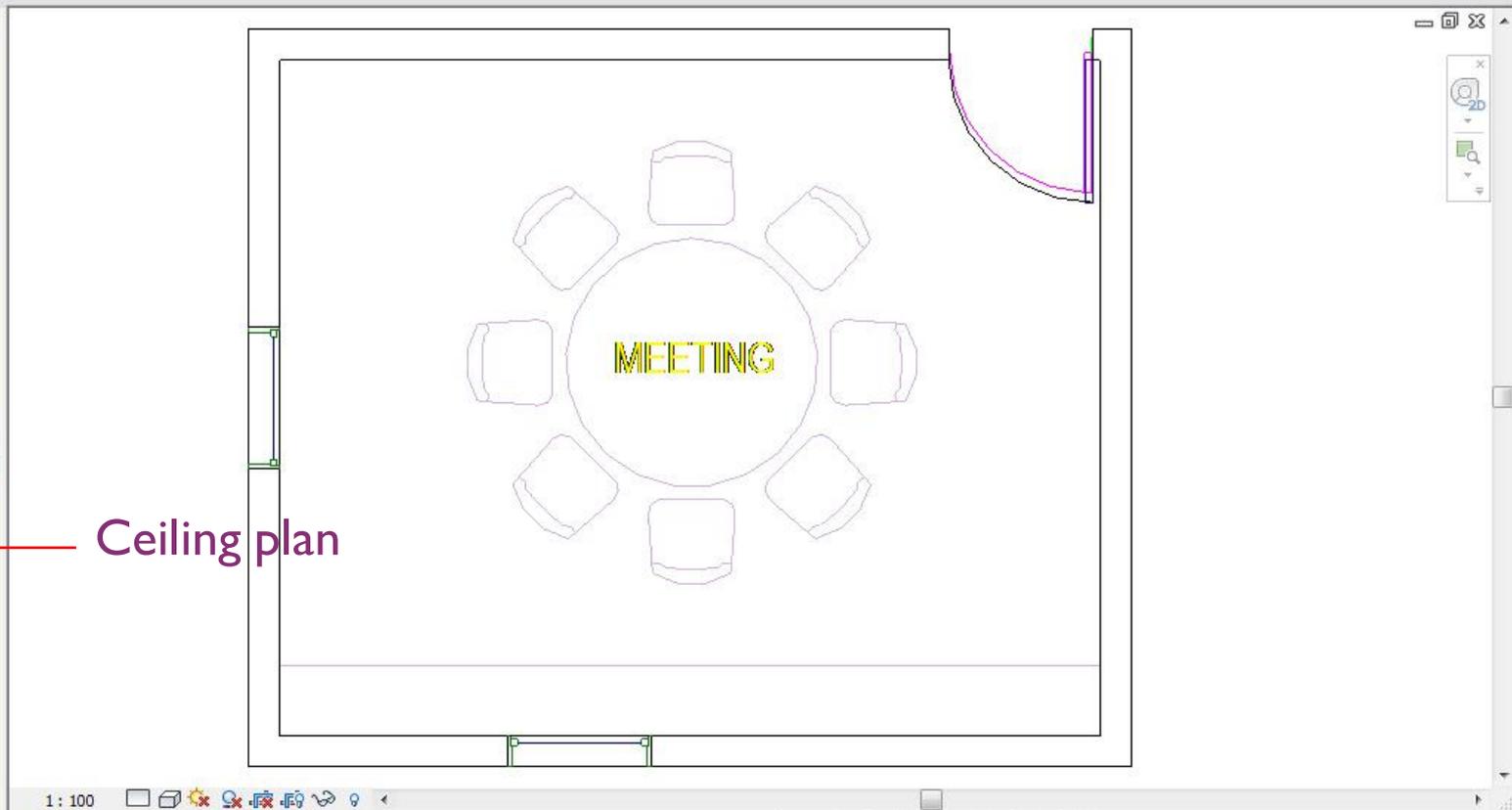
Folders Edit...

Filter Edit...

Properties help Apply

meeting room.rvt - Project Browser

- Views (all)
- Floor Plans
- Ceiling Plans ←
- 3D Views
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



Ceiling plan

Autodesk Revit Architecture 2011 - [meeting room.rvt - Floor Plan: Level 1] 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 Stairs Wall Vertical Dormer Level Grid Room Area Legend Tag Set Show Ref Plane

Select Build Circulation Opening Datum Room & Area Work Plane

Properties

Floor Plan: Level 1 Edit Type

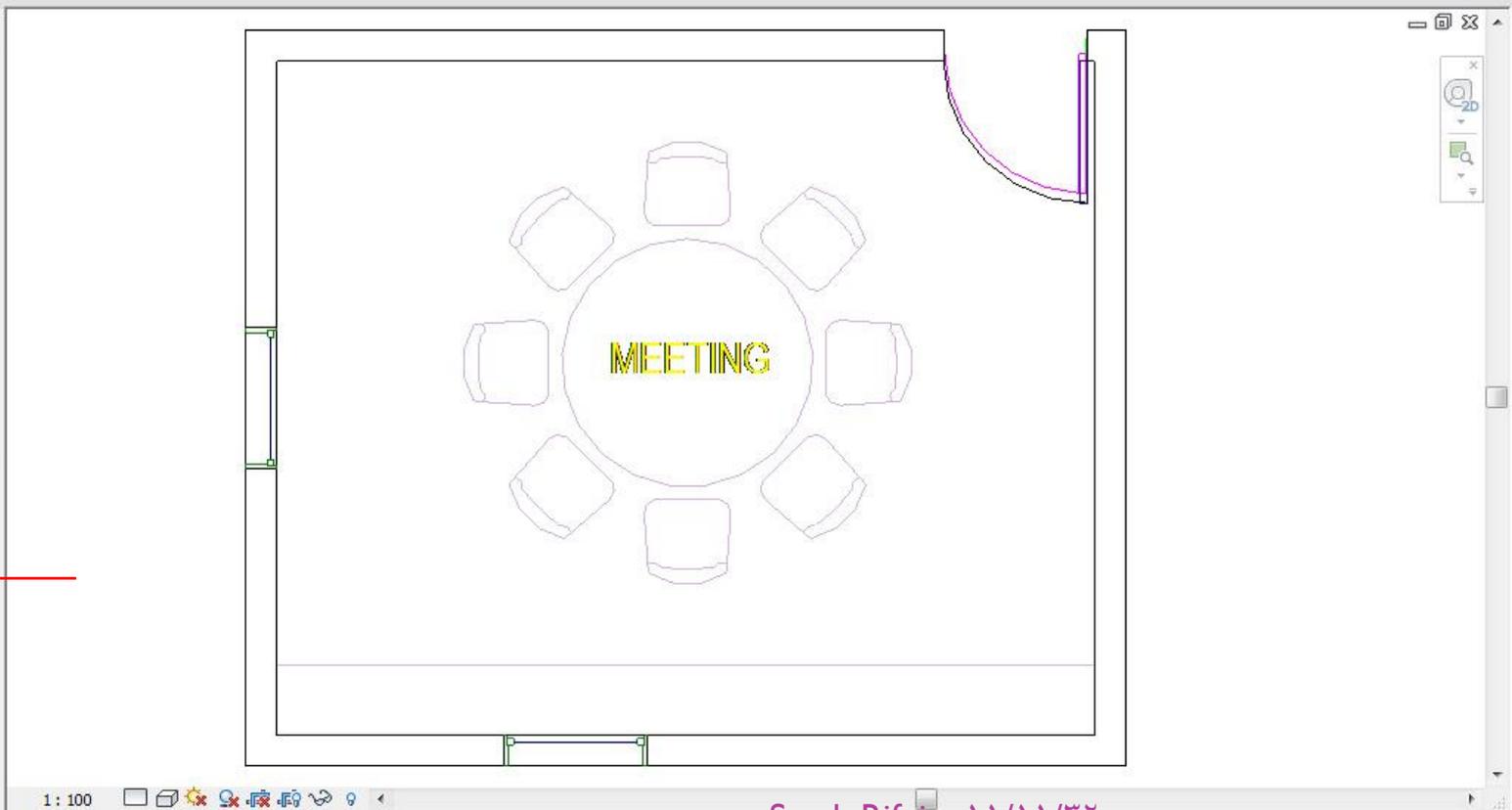
Graphics

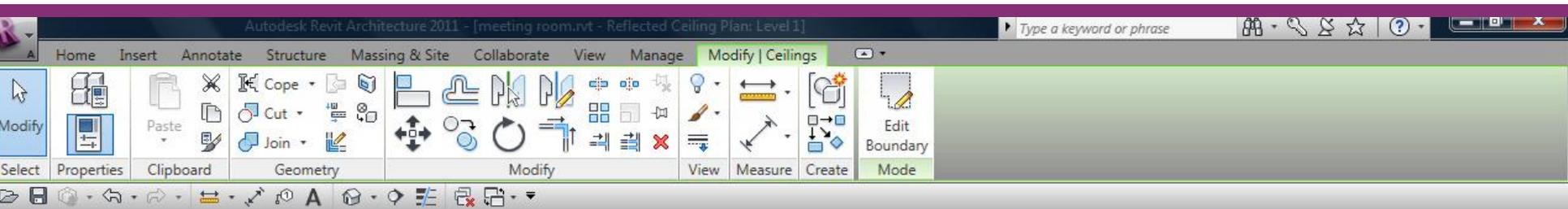
View Scale: 1:100  
Scale Value 1: 100  
Display Model: Normal  
Detail Level: Coarse  
Visibility/Graphic... Edit...  
Visual Style: Hidden Line  
Graphic Display ... Edit...

Properties help Apply

meeting room.rvt - Project Browser

- Views (all)
  - Floor Plans
    - Level 1
    - Ceiling Plans ←
    - Level 1
  - 3D Views
  - Legends
  - Schedules/Quantities
  - Sheets (all)
  - Families
  - Groups
  - Revit Links





Properties

Basic Ceiling  
Ceiling 1

Ceilings (1) Edit Type

Constraints

Level	Level 1
Height Offset Fro...	2600.0
Room Bounding	<input checked="" type="checkbox"/>

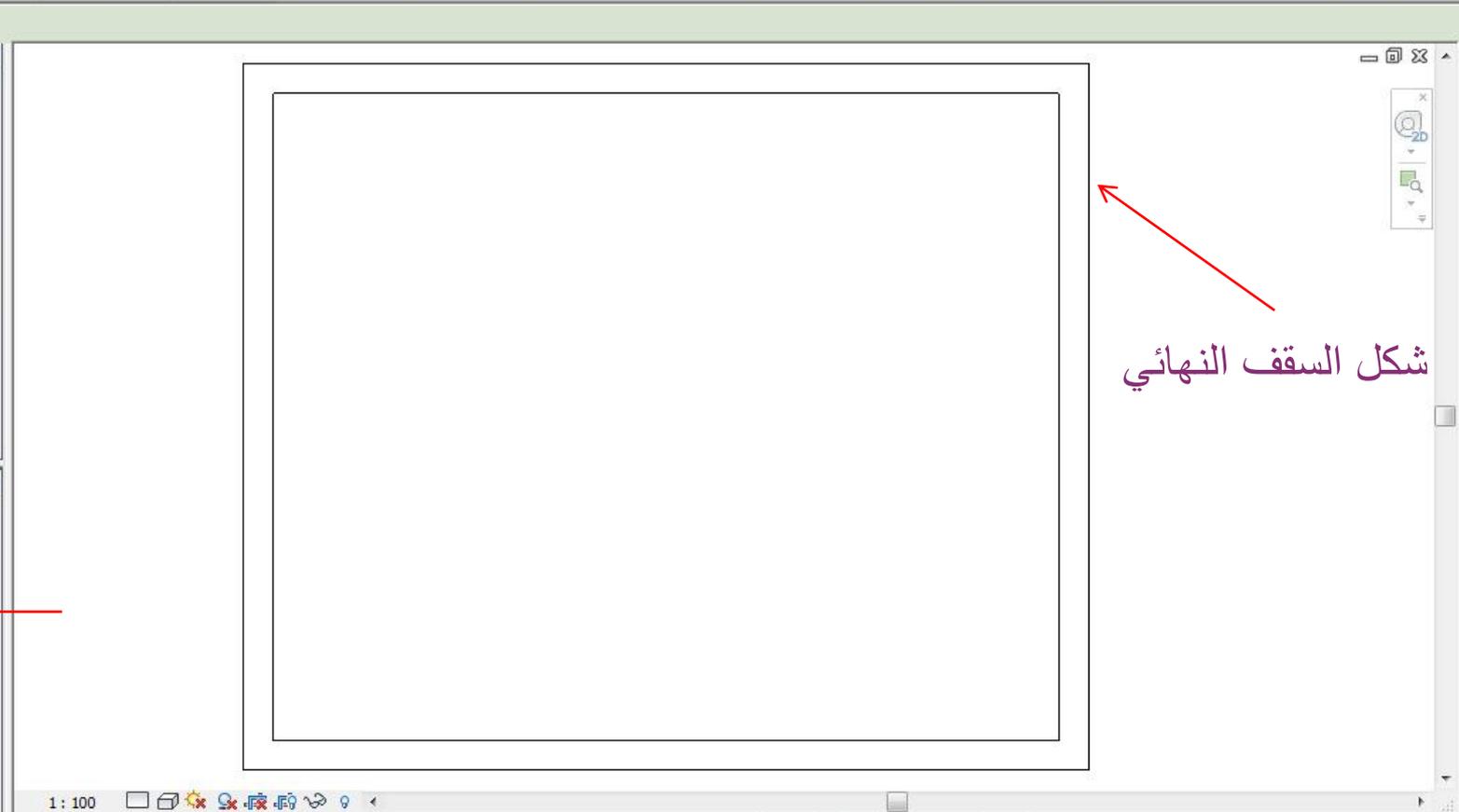
Dimensions

Slope	
Perimeter	19100.0
Area	22.620 m <sup>2</sup>

Properties help Apply

meeting room.rvt - Project Browser

- Views (all)
- Floor Plans
  - Level 1
- Ceiling Plans
  - Level 1**
- 3D Views
- Legends
- Schedules/Quantities
- Sheets (all)
- Families
- Groups
- Revit Links



شكل السقف النهائي