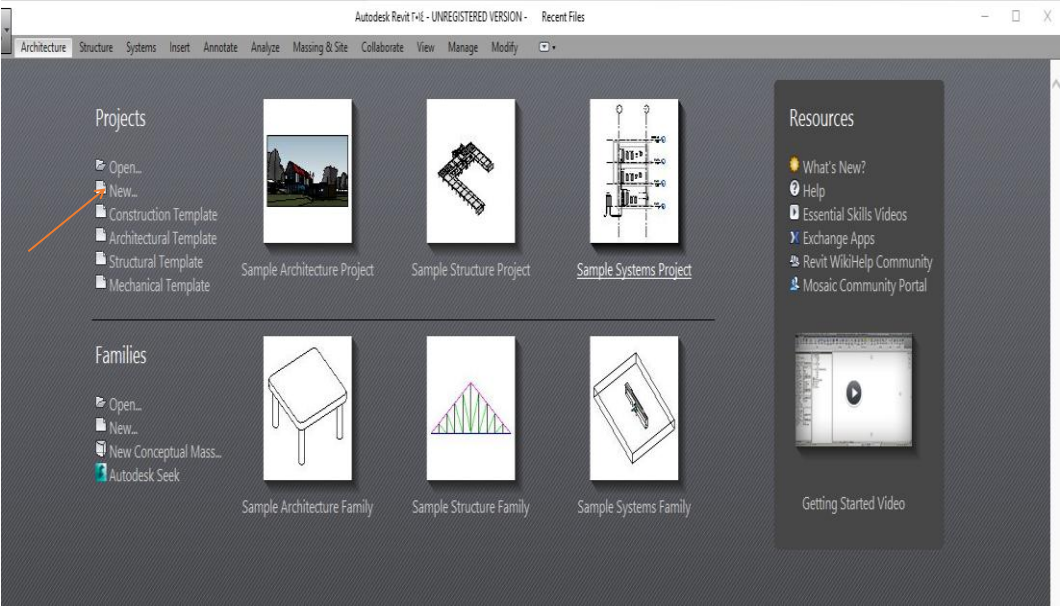
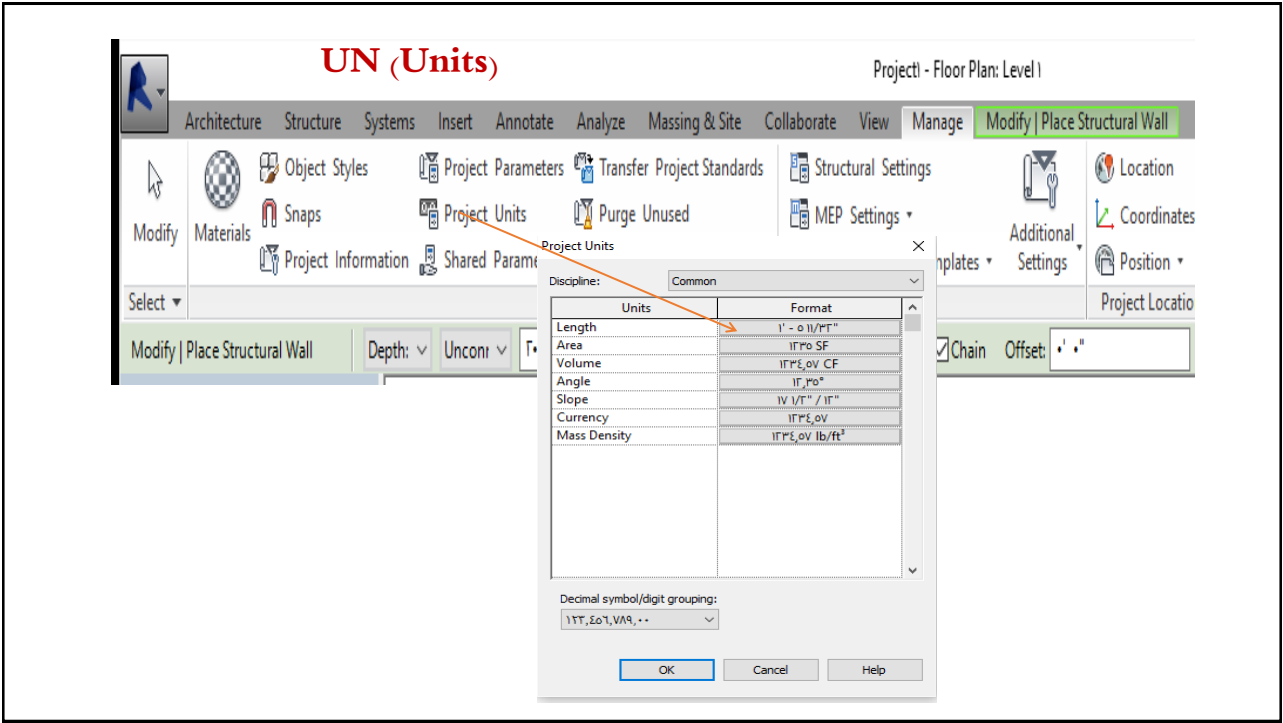
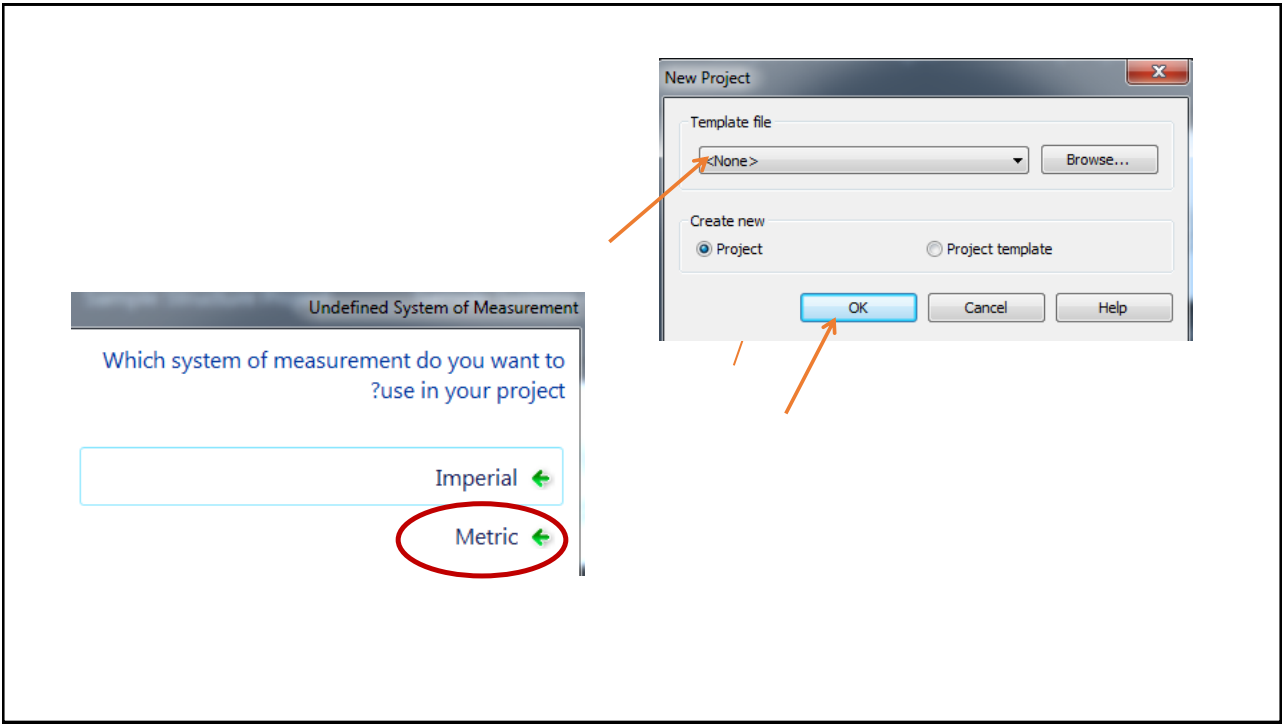


معلوماتية تخصصية 3
قسم العمارة – السنة الثانية
الفصل الدراسي الثاني 2023
T.Fnemer





Project Units

UN (Units)

Discipline: Common

Units	Format
Length	1' - 0 1/32"
Area	1234.56 SF
Volume	1234.56 CF
Angle	12.34°
Slope	1V 1/2" / 12"
Currency	1234.56
Mass Density	1234.56 lb/ft³

Decimal symbol/digit grouping:
123,456,789,00

OK Cancel Help

Format

☐ Use project settings

Units: Meters

Rounding: decimal places Rounding increment: 1

Unit symbol: None

☒ Suppress trailing 0's

☐ Suppress 0 feet

☐ Show + for positive values

☐ Use digit grouping

☐ Suppress spaces

OK Cancel

Project Browser

يحتوي على كل ما يتعلق بالمشروع من

مساقط 2D و واجهات

Elevations و مقاطع

Sections و معاينة 3D الخ ...

Project Browser - Project1

Views (all)

Structural Plans

Floor Plans

Level 1

Level 2

Level 3

Level 4

Level 5

Ceiling Plans

3D Views {3D}

Elevations (Elevation 1)

Elevation 1 - a

Elevation 2 - a

Elevation 3 - a

Elevation 4 - a

Sections (Section 1)

Section 1

Section 2

Section 3

Legends

Schedules/Quantities

Sheets (all)

Families

Groups

Revit Links

المساقط 2D

معاينة 3D

و Elevations الواجهات المقاطع Sections

Properties

Floor Plan

Floor Plan: Level 1

Edit Type

Graphics

View Scale: 1/8" = 1'-0"

Scale Value: 96

Display Model: Normal

Detail Level: Coarse

Parts Visibility: Show Original

Visibility/Graphic Display: Edit...

Underlay: None

Underlay Orientation: Plan

Orientation: Project North

Wall Join Display: Clean all walls

Discipline: Architectural

Color Scheme: Background

System Color: Edit...

Default Analysis: None

Sun Path: ☐

Identity Data

View Template: <None>

View Name: Level 1

Dependency: Independent

Title on Sheet

Referencing Sheet

Referencing Drawing

Extents

Crop View: ☐

Properties help

Apply

التعديل على
خصائص أي
عنصر بعد
تحليله
select

Project Browser - Project1

Views (all)

Structural Plans

Floor Plans

Level 1

Level 2

Level 3

Level 4

Level 5

Ceiling Plans

3D Views

{3D}

Elevations (Elevation 1)

Elevation 1 - a

Elevation 2 - a

Elevation 3 - a

Elevation 4 - a

Sections (Section 1)

Section 1

Section 2

Section 3

Legends

Schedules/Quantities

Sheets (all)

Families

Groups

Revit Links

المساحط 2D

معاينة 3D

Elevations الواجهات وSections المقاطع

Revit المعماري

Project - Floor Plan: Level 1

Architecture Structure Systems Insert Annotate Analyze Massing & Site Collaborate View Manage Modify

Modify Wall Door Window Component Column Roof Ceiling Floor Curtain Curtain Mullion System Grid Railing Ramp Stair Model Model Model Text Line Group Room Room Tag Area Area Tag By Shaft Vertical Grid Set Ref Plane Show Viewer

Select Build Circulation Model Room & Area Opening Datum Work Plane

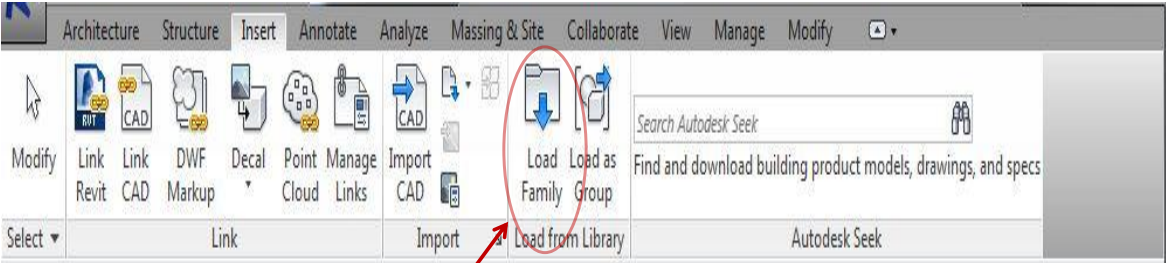
الإنشائي Revit

Architecture Structure Insert Annotate Analyze Massing & Site Collaborate View Manage Modify

Modify Wall Truss Beam Column Brace Isolated Wall Slab Rebar Path Cover Component A By Shaft Vertical Grid Set Ref Plane Show Viewer

Select Structure Foundation Reinforcement Model Opening Datum Work Plane

Load Family



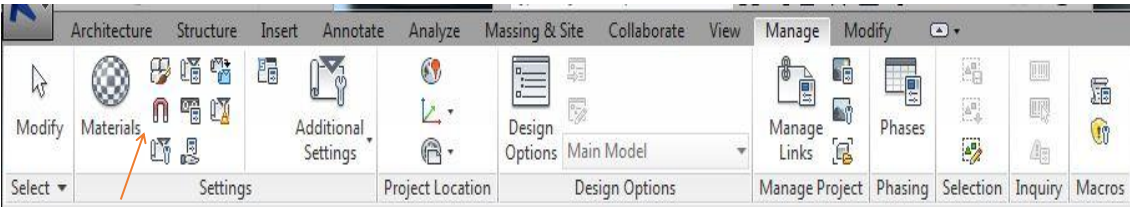
(libraries – US Metric) Data تحميل Load

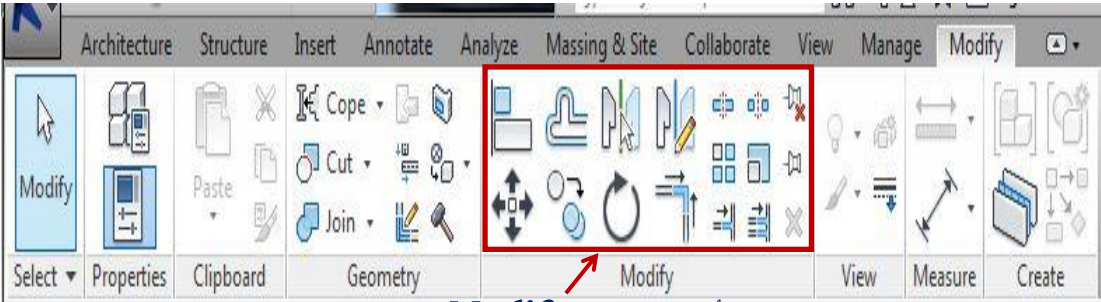


معاينة 3D

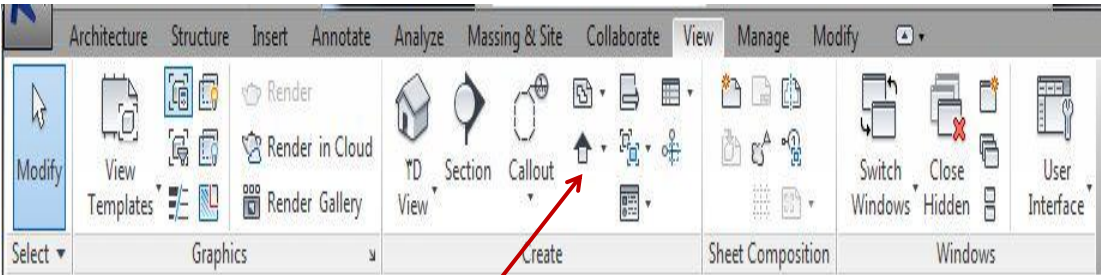
للعودة إلى 2D نضغط ctrl+tab

ZA – Zoom ALL



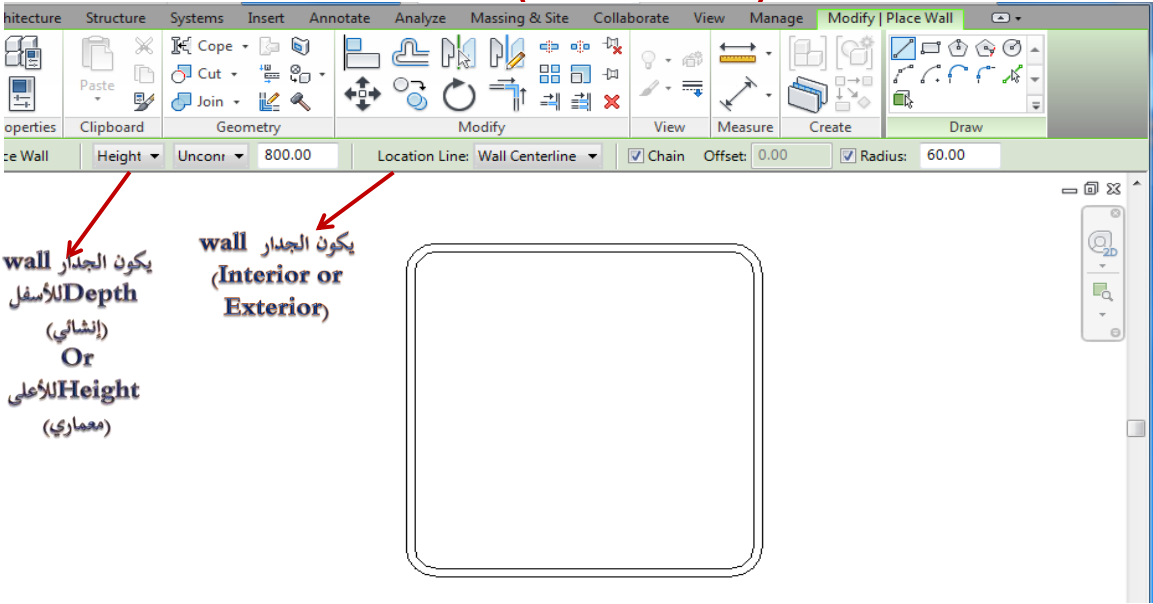


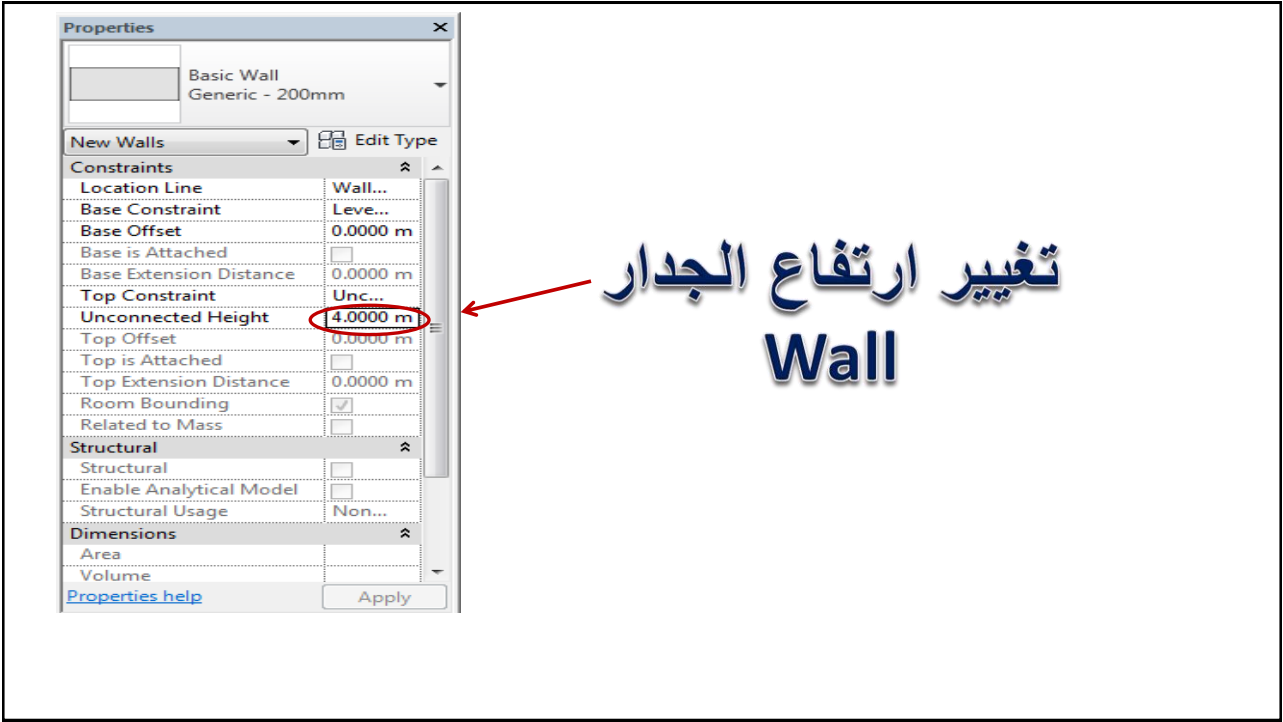
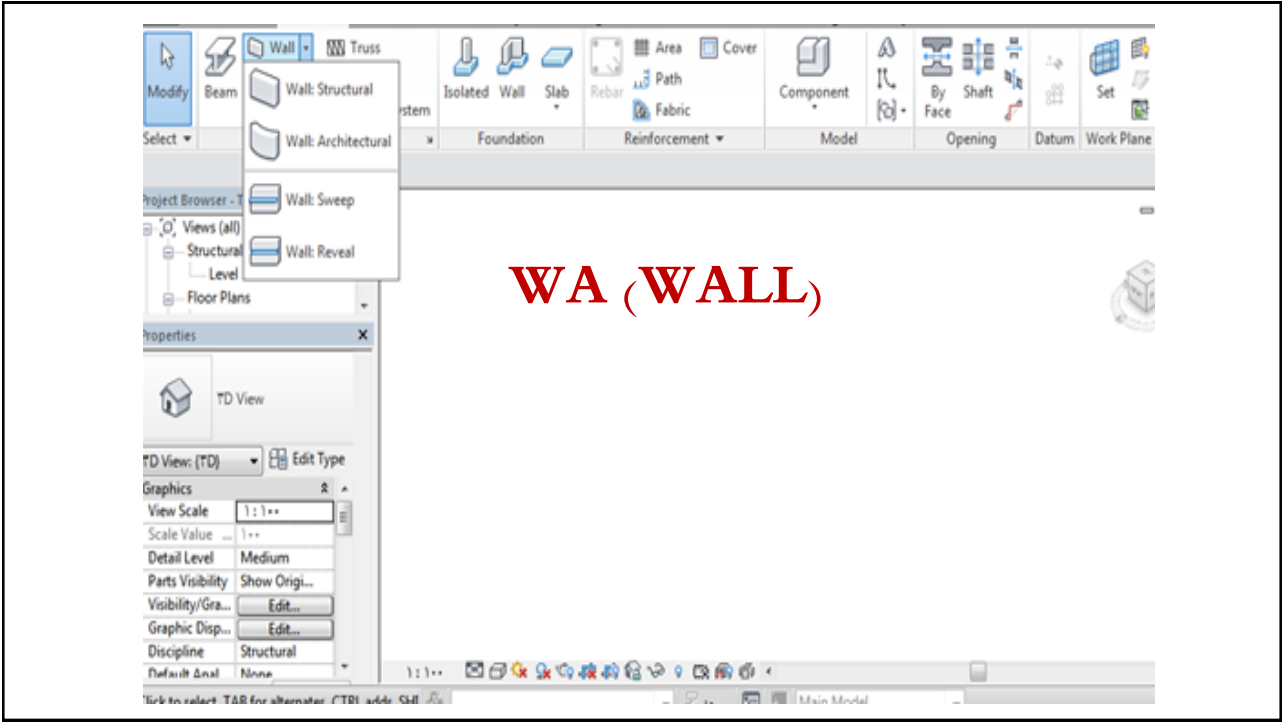
أدوات التعديل Modify



إدراج (Elevations)

WA (WALL)





Door or widows or wall هذه الاسهم لتغيير اتجاهات إدراج ال etc

Door

جلسة

المسافة بين اعلى الباب و نهاية الجدار

Properties

M_Single-Flush
0915 x 2134mm

New Doors Edit Type

Constraints

Sill Height 0.00

Construction

Frame Type

Materials and Finis...

Frame Material

Finish

Identity Data

Comments

Mark

Other

Head Height 213.40

Material Browser - Glass

Project Materials: All

Name

Door - Frame

Door - Panel

Earth

Finish - White

Glass

Glass, Clear Glazing

Gypsum Wall Board

Gypsum Wall Board (1)

Iron, Ductile

Identity Graphics Appearance Physical Thermal

Shading

Use Render Appearance

Color RGB 0 128 192

Transparency 75

Surface Pattern

Pattern <none>

Color RGB 0 0 0

Alignment Texture Alignment...

Cut Pattern

Pattern <none>

Color RGB 0 0 0

OK Cancel Apply

Type Properties

Family: M_Single-Flush Load...

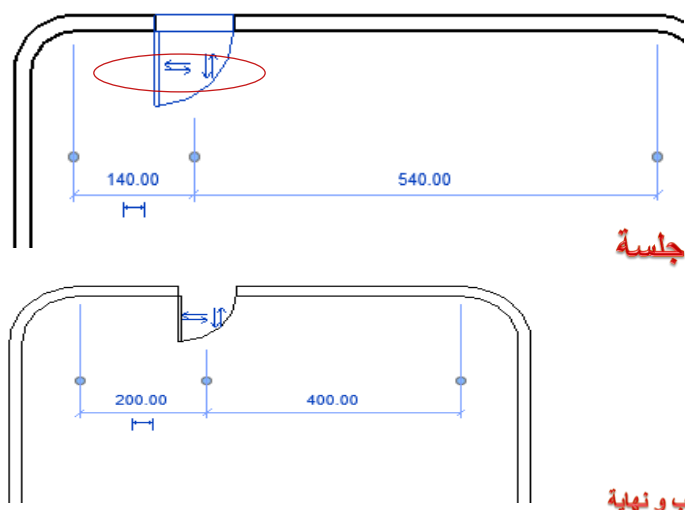
Type: 0915 x 2134mm Duplicate... Rename...

Type Parameters

Parameter	Value
Construction	
Function	Interior
Wall Closure	By host
Construction Type	
Materials and Finishes	
Door Material	Glass
Frame Material	Door - Frame
Dimensions	
Thickness	5.10
Height	213.40
Trim Projection Ext	2.50
Trim Projection Int	2.50
Trim Width	7.60
Width	91.50
Rough Width	
Rough Height	
Identity Data	
Keynote	
Model	

<< Preview OK Cancel Apply

Door – DR



جاسة

المسافة بين أعلى الباب و نهاية الجدار

M_Single-Flush
0915 x 2134mm

New Doors

Edit Type

Constraints

Sill Height0.00

Construction

Frame Type

Materials and Finis...

Frame Material

Finish

Identity Data

Comments

Mark

Other

Head Height213.40

Type Properties

Family:M_Single-Flush

Type:0915 x 2134mm

Load...

Duplicate...

Type Parameters

Parameter	Value
Construction	
Function	Interior
Wall Closure	By host
Construction Type	
Materials and Finishes	
Door Material	Glass
Frame Material	Door - Frame
Dimensions	
Thickness	5.10
Height	213.40
Trim Projection Ext	2.50
Trim Projection Int	2.50
Trim Width	7.60
Width	91.50
Rough Width	
Rough Height	
Identity Data	
Keynote	
Model	

<< Preview

OK

Cancel

Apply

M_Single-Flush
0915 x 2134mm

New Doors

Edit Type

Constraints

Sill Height0.00

Construction

Frame Type

Materials and Finis...

Frame Material

Finish

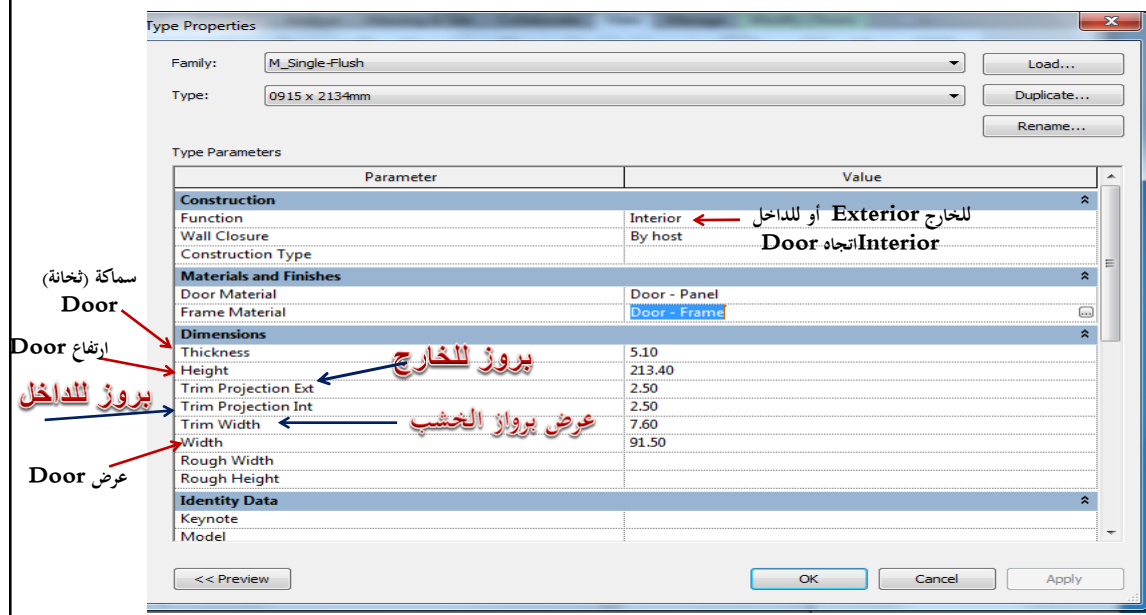
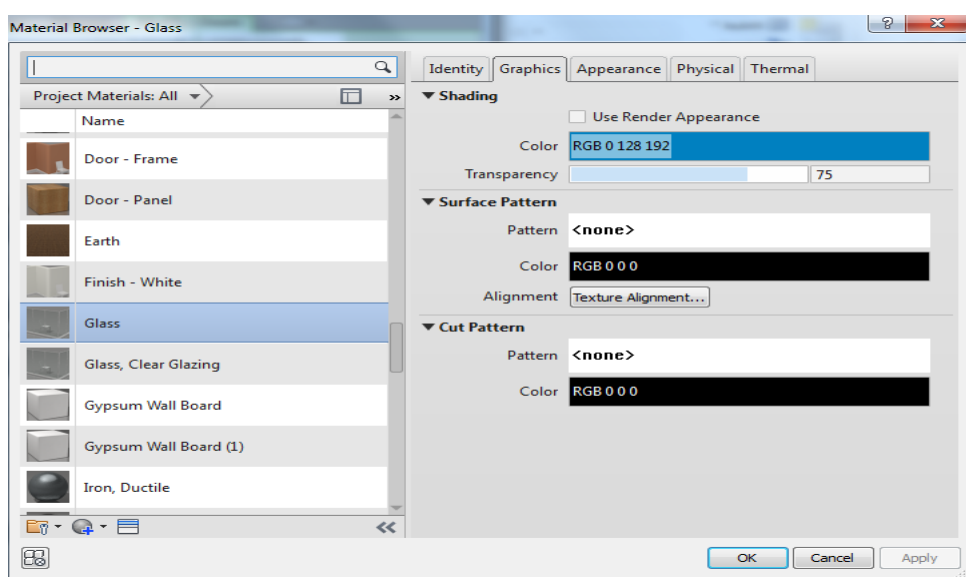
Identity Data

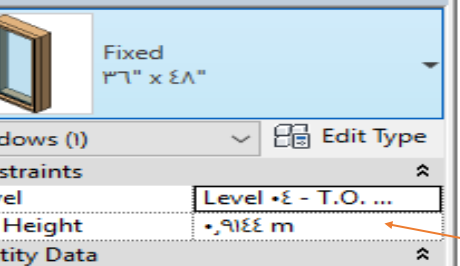
Comments

Mark

Other

Head Height213.40





Properties

Fixed
36" x 48"

Windows (1) Edit Type

Constraints

Level Level • 8 - T.O. ...

Sill Height 0.9144 m

Identity Data

Comments

Mark 1

Phasing

Phase Created Project Compl...

Phase Demolished None

Other

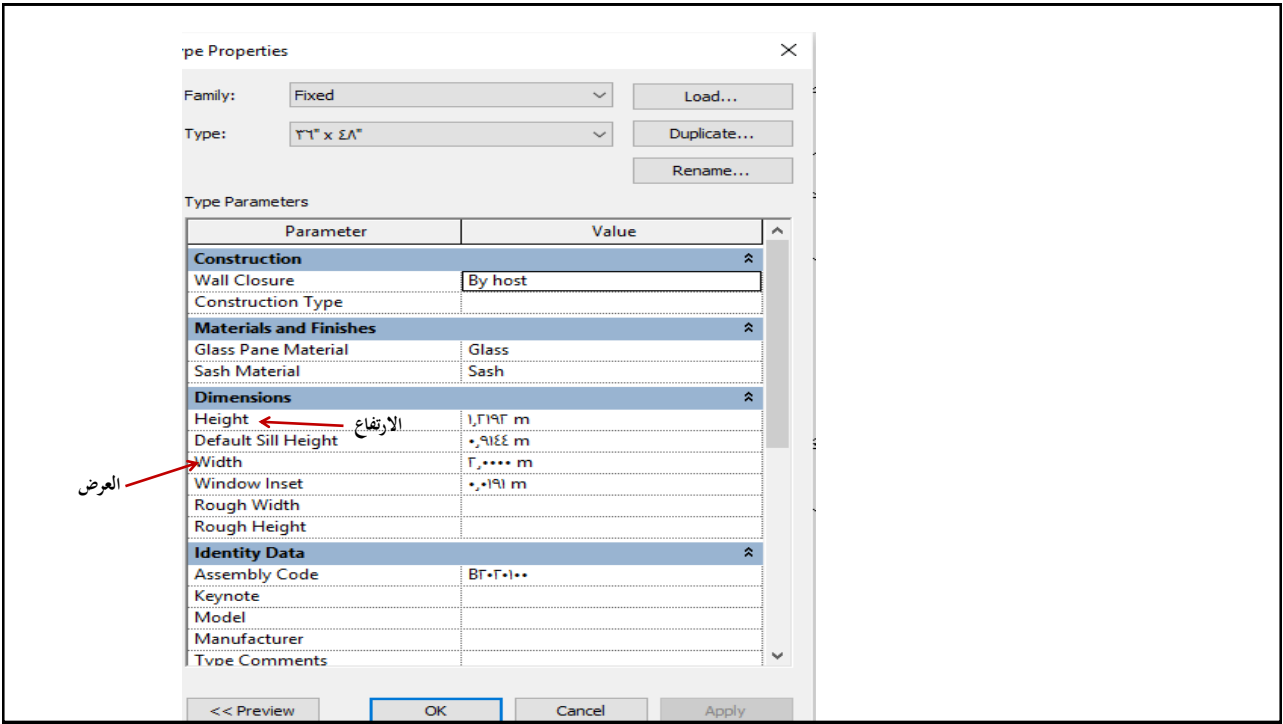
Head Height 2.1337 m

Window

WN

Sill height :
ارتفاع الجلسة





Columns CL (Insert)

Columns : عند ادراج

Height : من الاسفل للأعلى ادراج Column

Column ارتفاع

☐ Rotate after placement

Height ▾

Unconr ▾

250.00 cm

☒ Room Bounding

Columns : عند ادراج

Depth : من الأعلى للأسفل ادراج Column

Column ارتفاع

☐ Rotate after placement

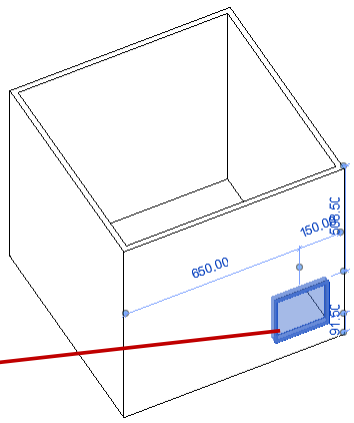
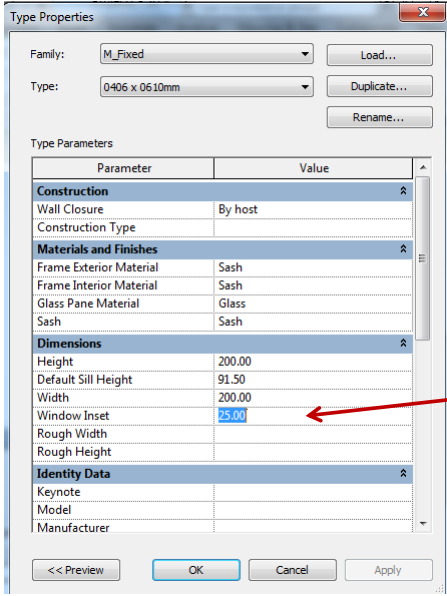
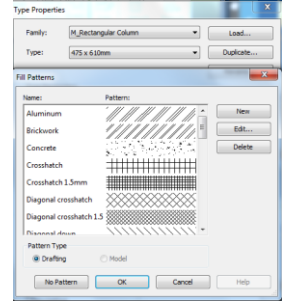
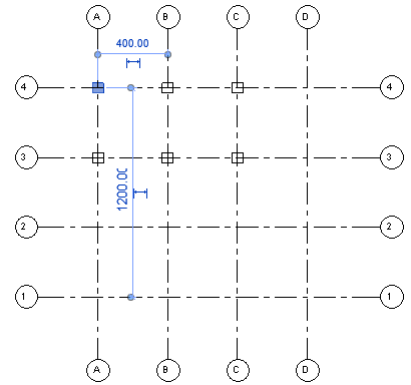
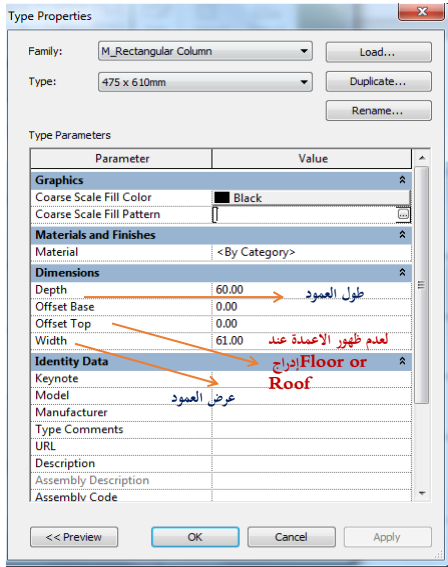
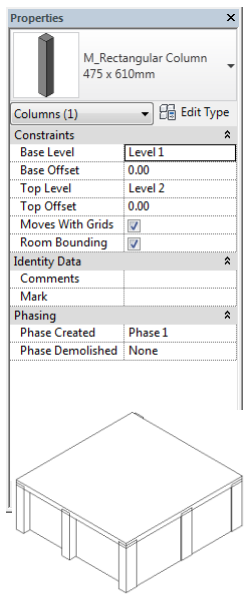
Depth: ▾

Unconr ▾

400.00 cm

☒ Room Bounding

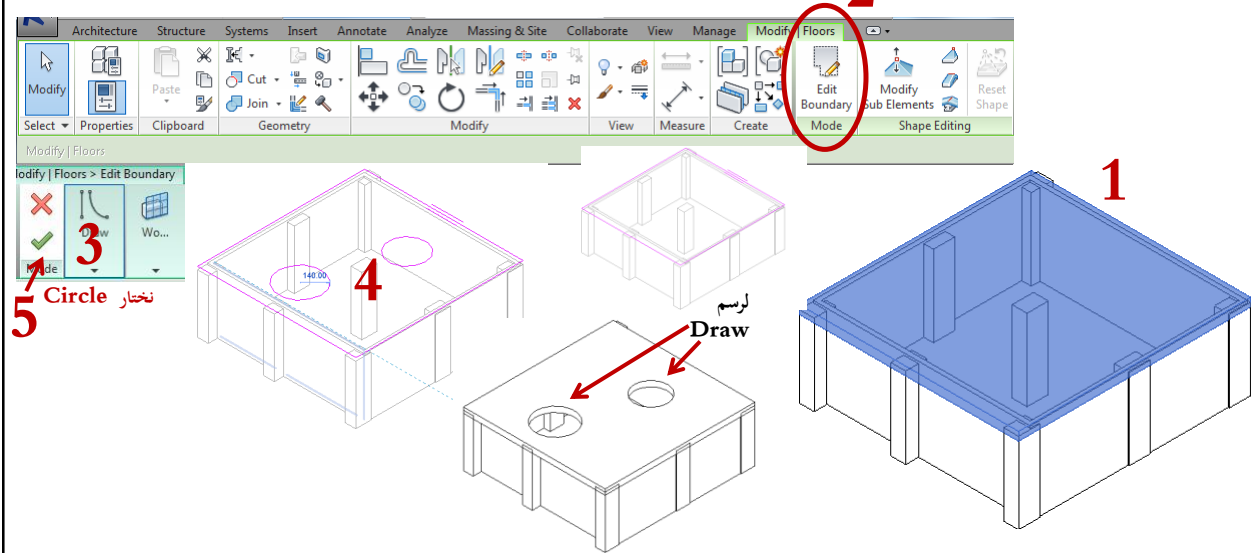
Columns – CL



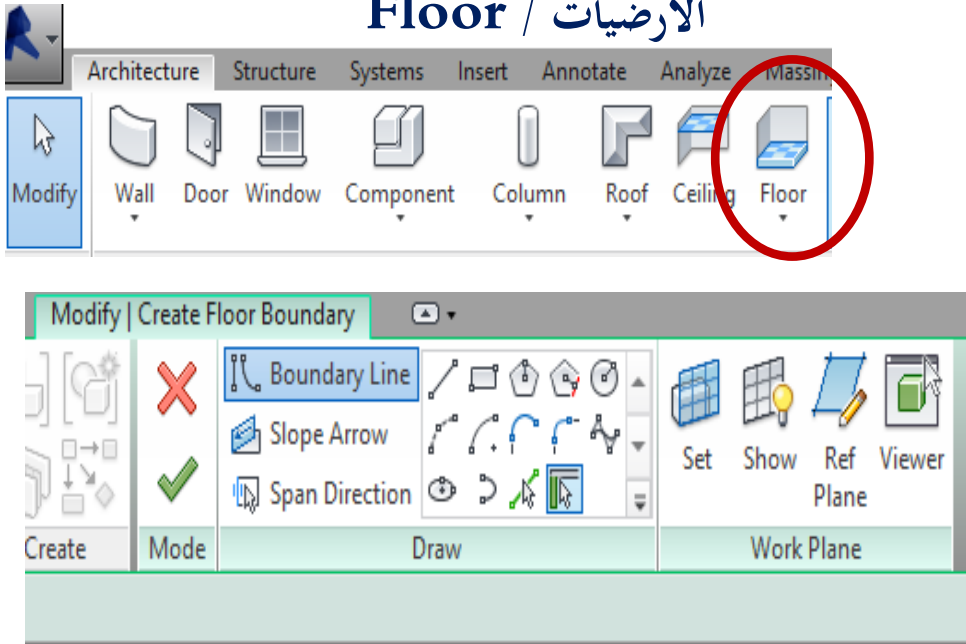
ملاحظة : الارضية ل Level2 يعني سقف ل Level1 و هكذا



Floor / الارضيات



Floor / الارضيات



Floor / الارضيات

Properties

Floor
Concrete Slab - 1"

Floors

Constraints

Level: Level A

Height Offset From: 0.000 m

Room Bounding: ☒

Related to Mass: ☐

Structural

Structural: ☐

Enable Analytical: ☐

Dimensions

Slope:

Perimeter:

Area:

Volume:

Thickness: 0.102 m

Identity Data

Comments:

Mark:

Phasing

Phase Created: Project Compl...

Phase Demolished: None

Type Properties

Family: System Family: Floor

Type: Concrete Slab - 1"

Type Parameters

Parameter	Value
Construction	
Structure	Edit...
Default Thickness	0.102 m
Function	Interior
Graphics	
Coarse Scale Fill Pattern	Concrete
Coarse Scale Fill Color	Black
Materials and Finishes	
Structural Material	Concrete, Cast-in-Place gray
Identity Data	
Keynote	
Model	
Manufacturer	
Type Comments	
URL	
Description	Floor Construction
Assembly Code	B100
Type Mark	

Edit Assembly

Family: Floor

Type: Concrete Slab - 1"

Total thickness: 0.102 m (Default)

Resistance (R): 0.1477 (h-ft²-°F)/BTU

Thermal Mass: 11,130 h BTU/°F

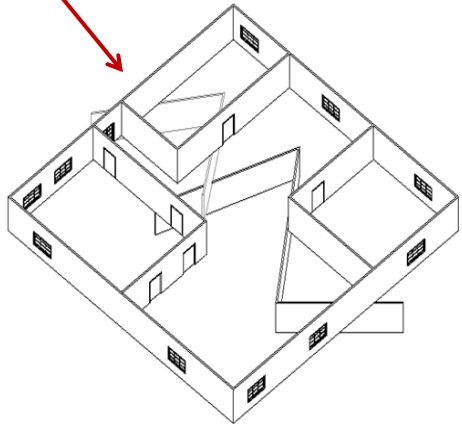
Layers

Function	Material	Thickness	Wraps	Structural Material	Variable
1 Core Bound	Layers Above	0.000 m			
2 Structure	Concrete	0.102 m	☒	☐	
3 Core Bound	Layers Below	0.000 m			

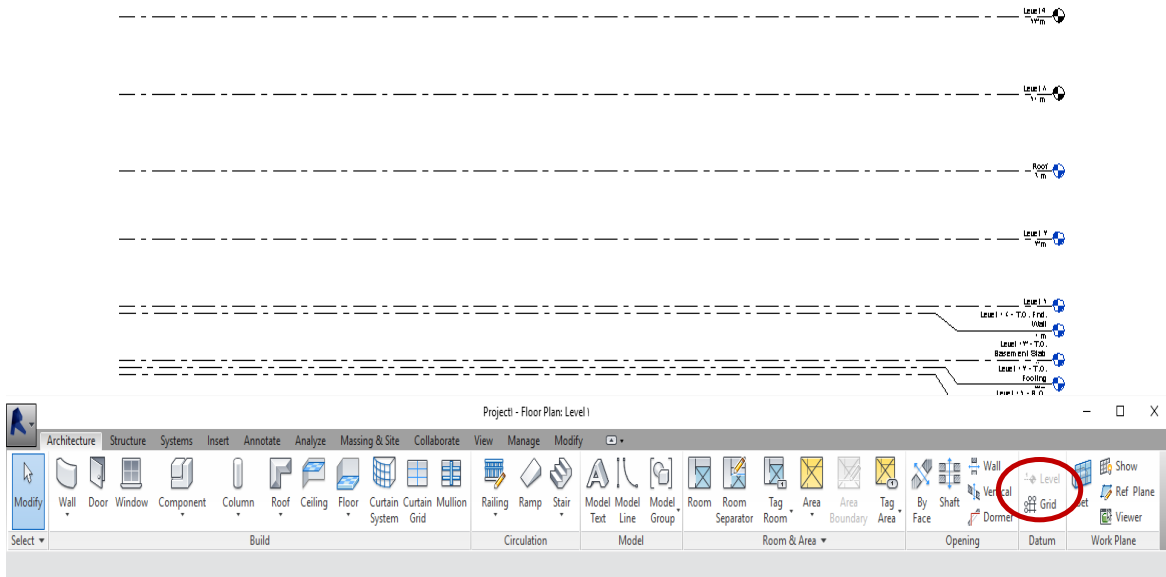
Insert Delete Up Down

الأرضيات / Floor
Floor قبل الإدراج

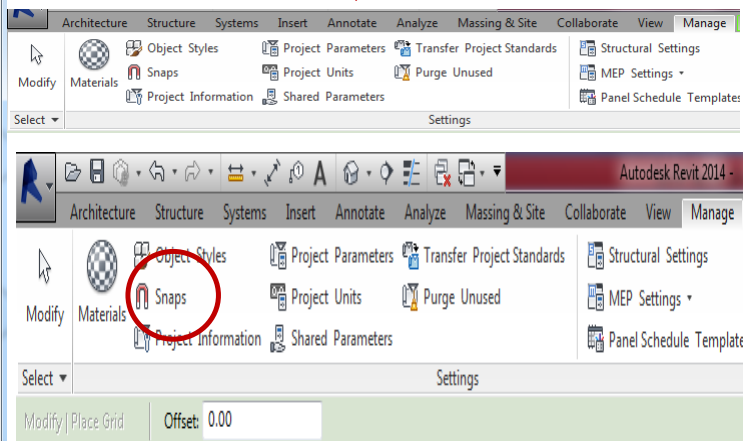
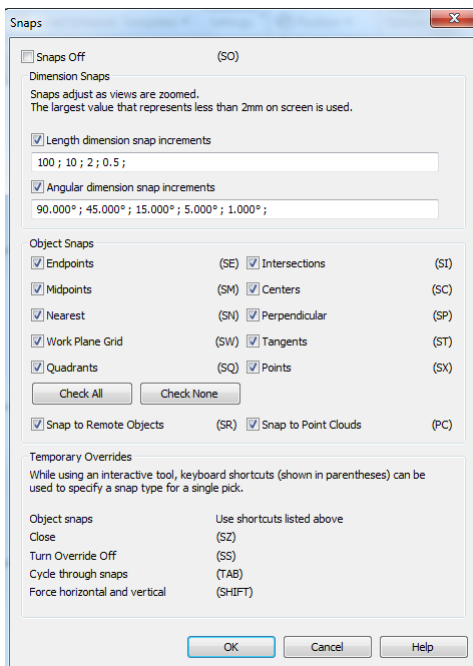
Floor بعد الإدراج



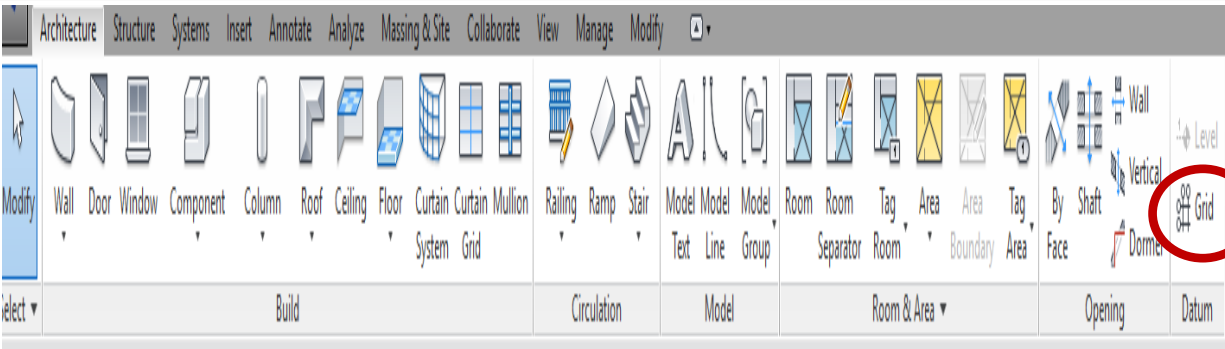
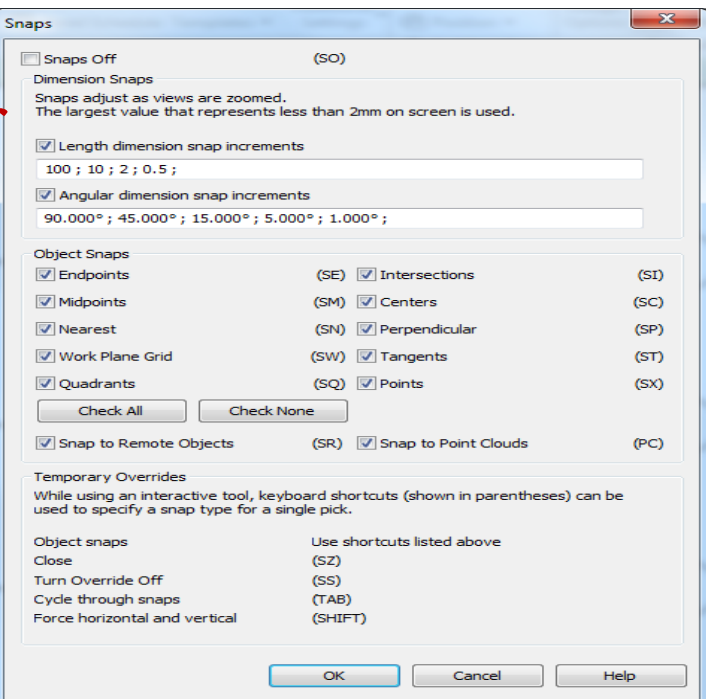
Level – LL

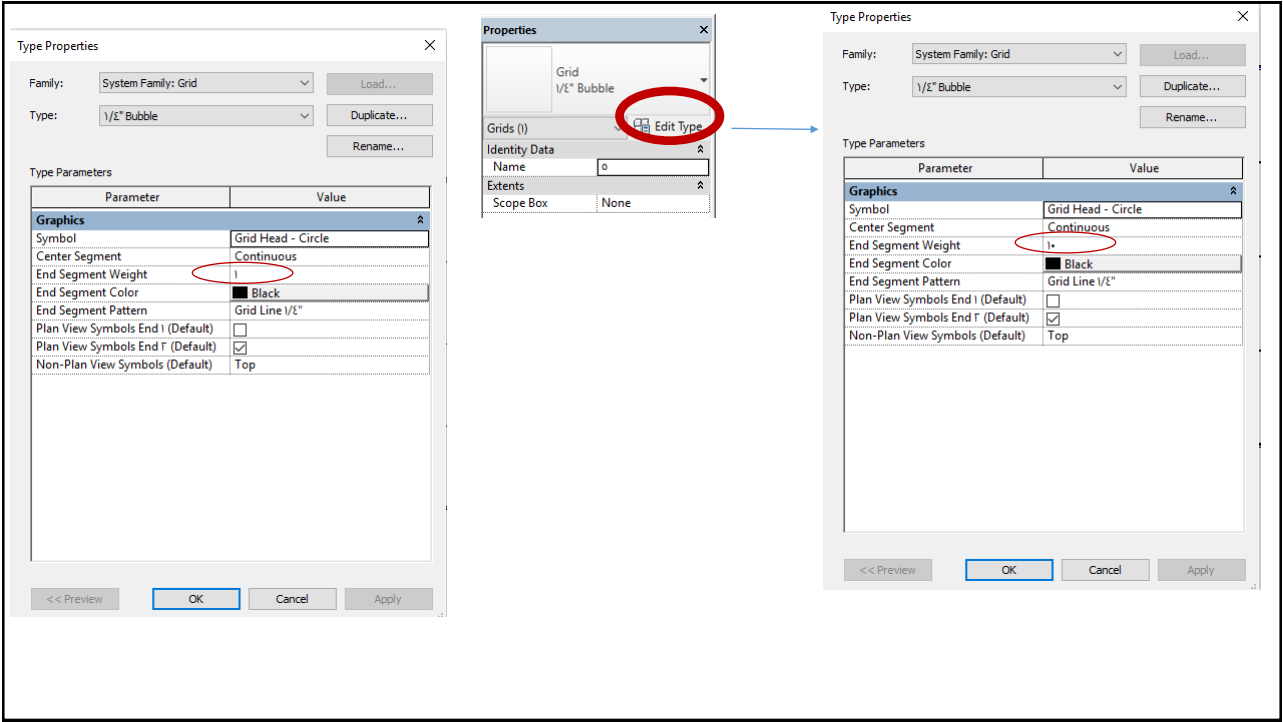


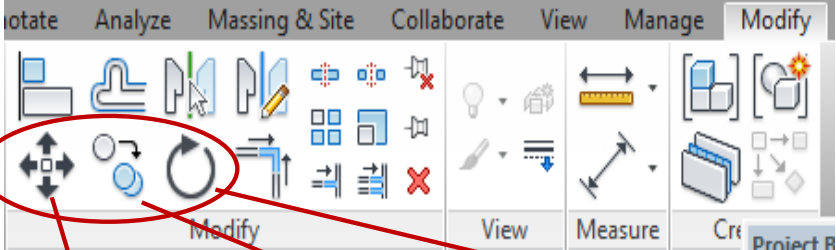
Object Snap – Osnap



Object Snap – Osnap SS on / So off







Move mv , Copy co , Rotate Ro

ملاحظة : نحدد العنصر / العناصر select Objects قبل
اختيار الأوامر : Copy – Move – Rotate

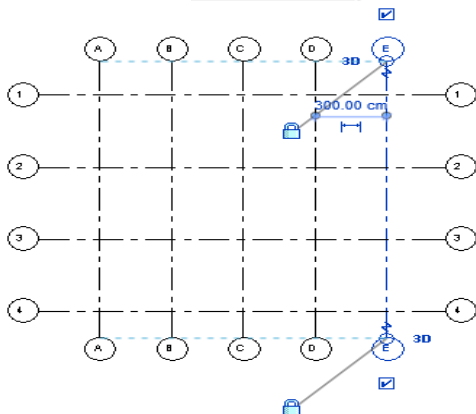
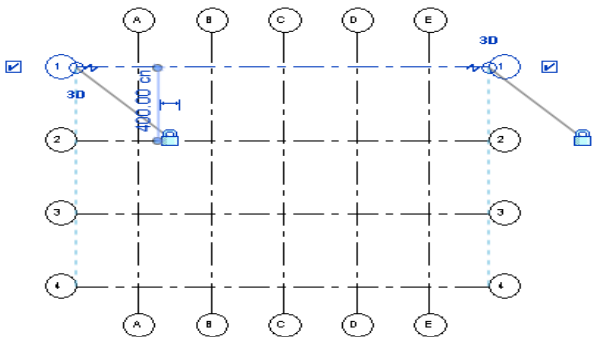
Grid - GR

Architecture

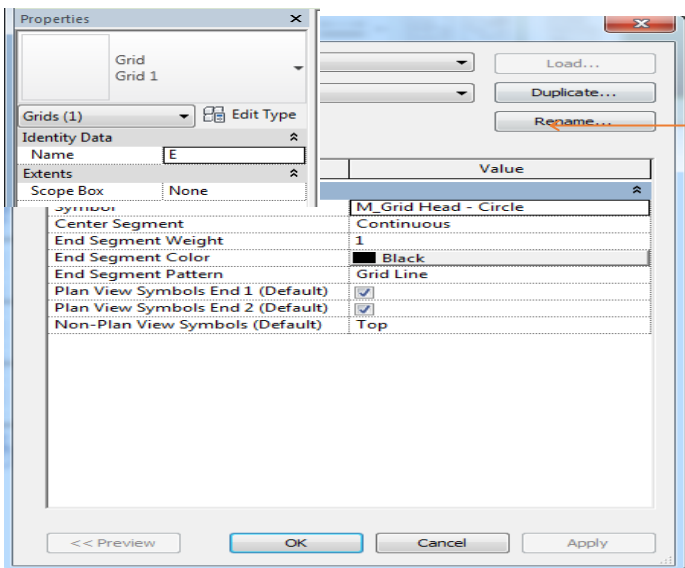
Level

Grid

Datum



Grid - GR



Insert → Load Family

Folder (Template Rivet)

Libraries → US Metric

Annotations

M_Grid Head - Circle



Grid – GR

إدراج Symbols للGrid :

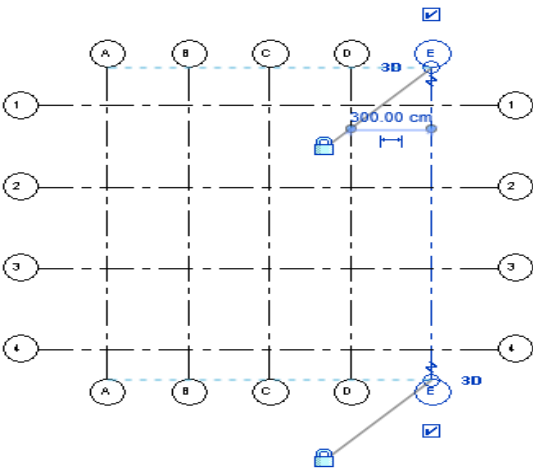
Insert → Load Family

Folder (Template Rivet)

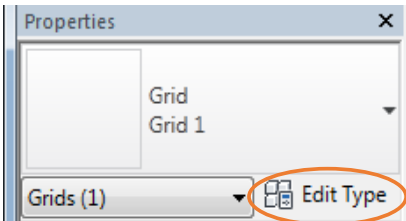
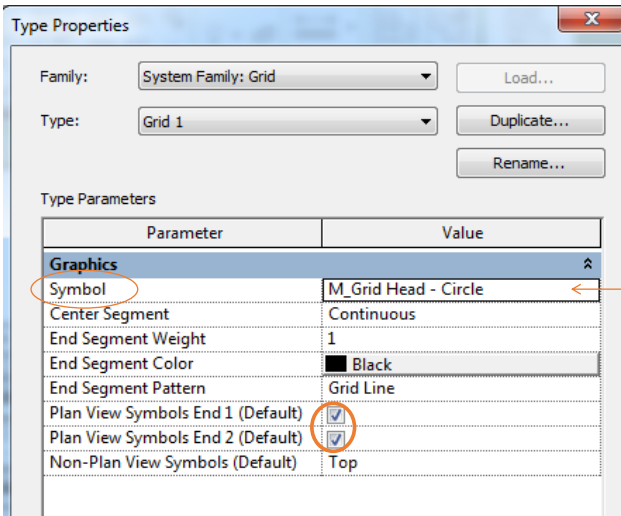
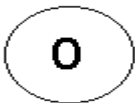
Libraries → US Metric

Annotations

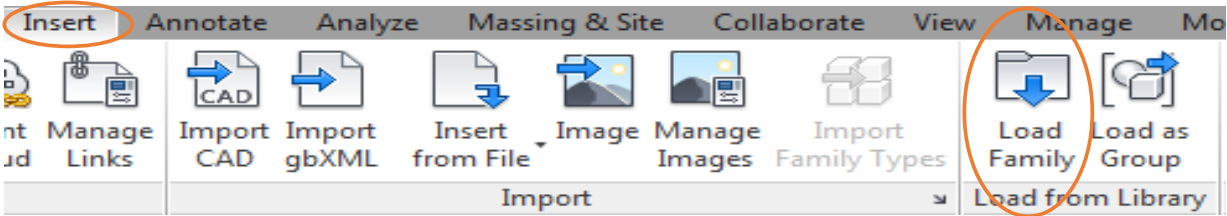
M Grid Head - Circle



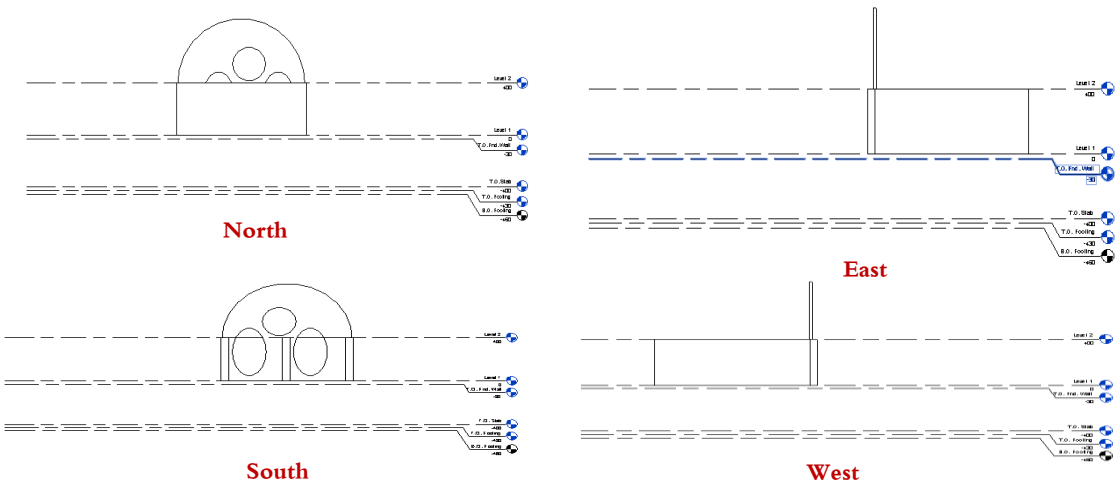
Hide / Show Symbol



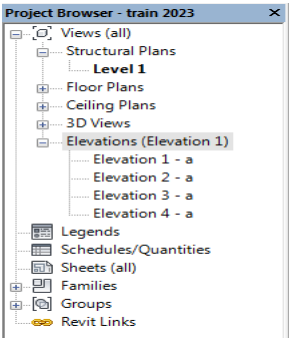
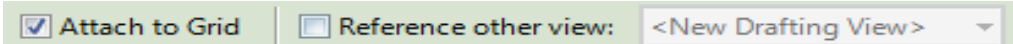
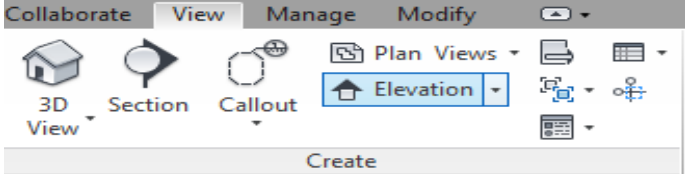
Insert → Load Family



الواجهات (أو المقاطع) - Elevations / Sections

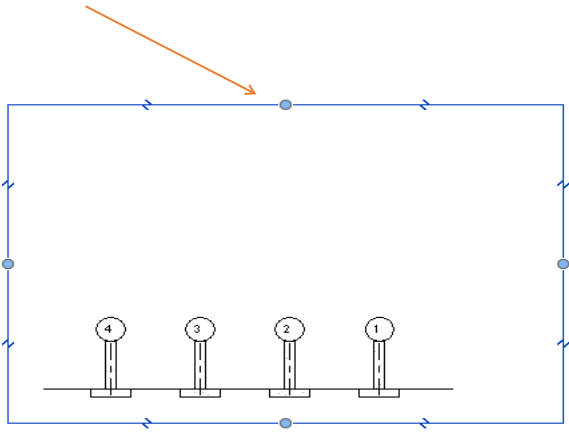
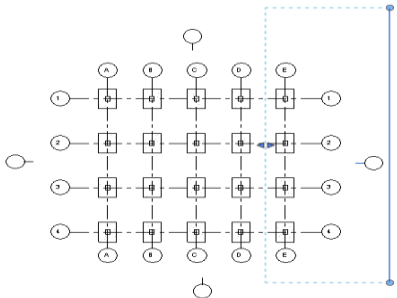
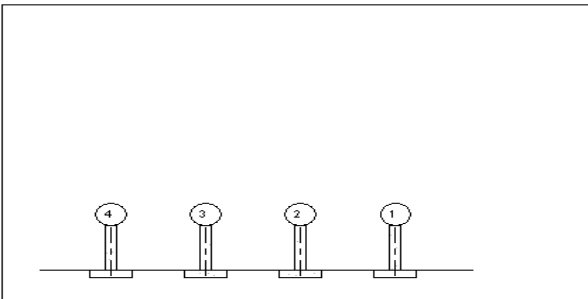


ادراج واجهات
Elevations



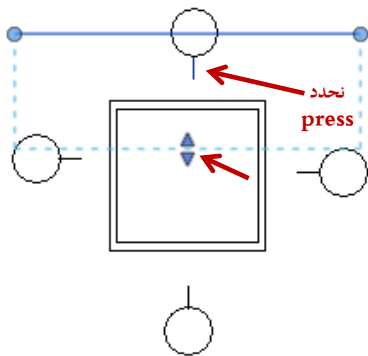
F2 : Rename

ملاحظة هامة عند معاينة الواجهة **Elevation** اذا لم يظهر اي تصاميم او رسوم كما يجب او ظهر بشكل ناقص المطلوب **Level** ونحدد **Camera** نحدد مربع كادر ال **Camera** ونقوم بزيادة حجم **كادر**

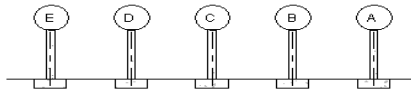


Elevations

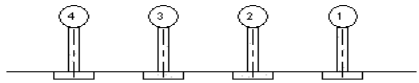
لتغيير مجال elevation



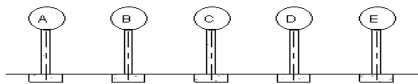
Elevation 3 - a



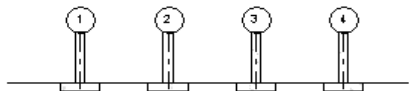
Elevation 1 - a



Elevation 4 - a



Elevation 2 - a





Section

لإدراج مقاطع Sections

Collaborate View



3D
View



Section



Cal

Levels (Great) LL

لإنشاء **Levels (Great)**:

يجب ان تكون طريقة المعاينة على احدى
الواجهات Elevation أو احدى المقاطع

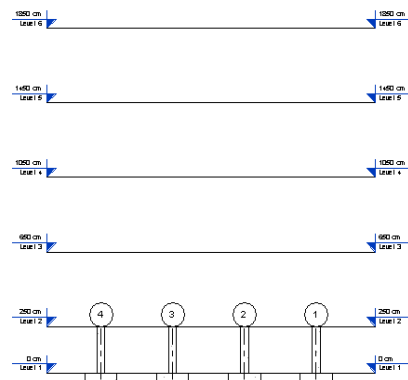
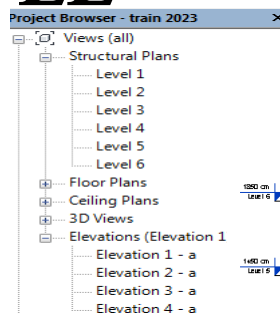
Section

ملاحظة: يمكن بعد انشاء Level2 أو

... Level3

لإنشاء باقي Pick Lines استخدام الاداة

Levels... بنفس التنسيق



Levels (Great) LL

للإدراج المناسب للـ Levels:

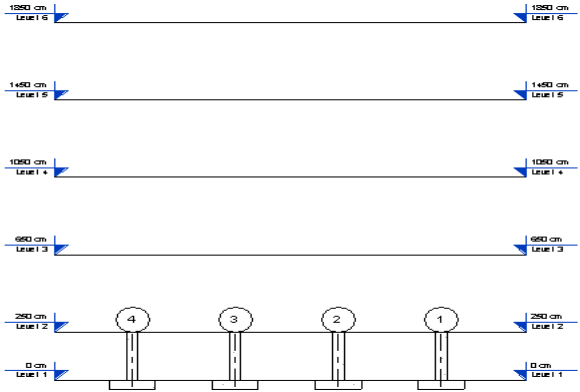
Insert → Load Family

Folder (Template Rivet)

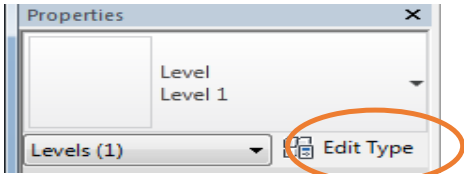
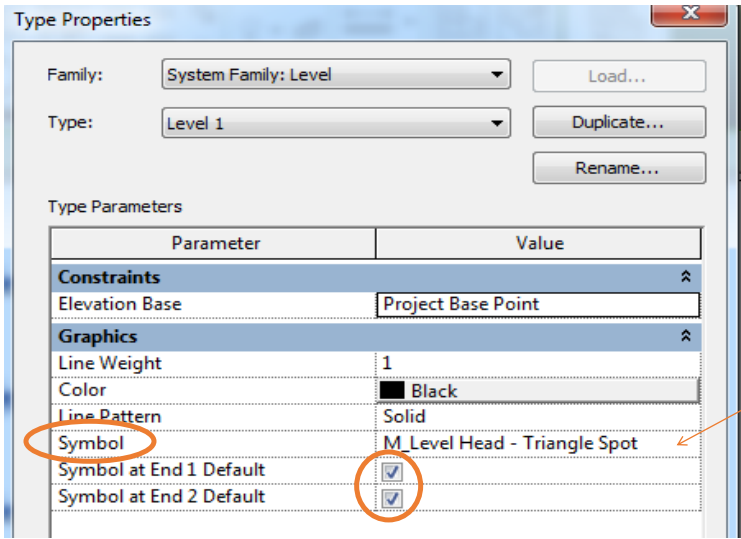
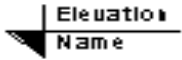
Libraries → US Metric

Annotations

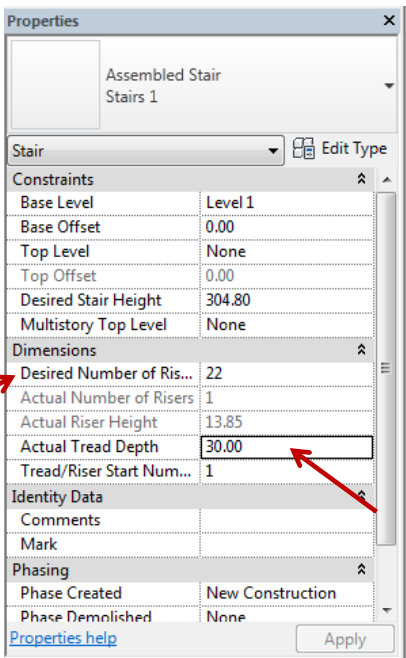
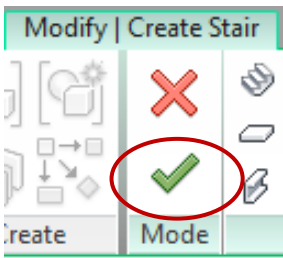
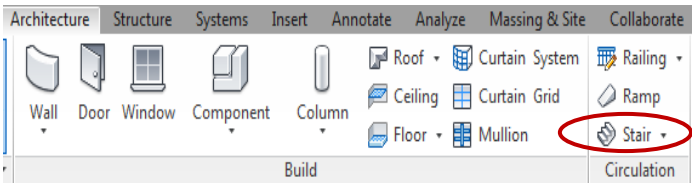
M_Level Head - Triangle Spot



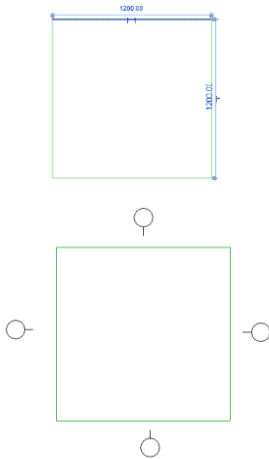
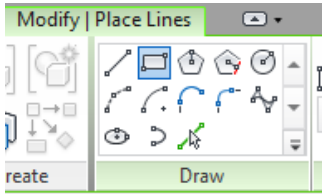
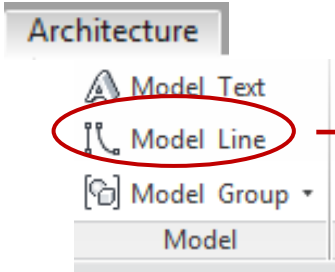
Hide / Show Symbol



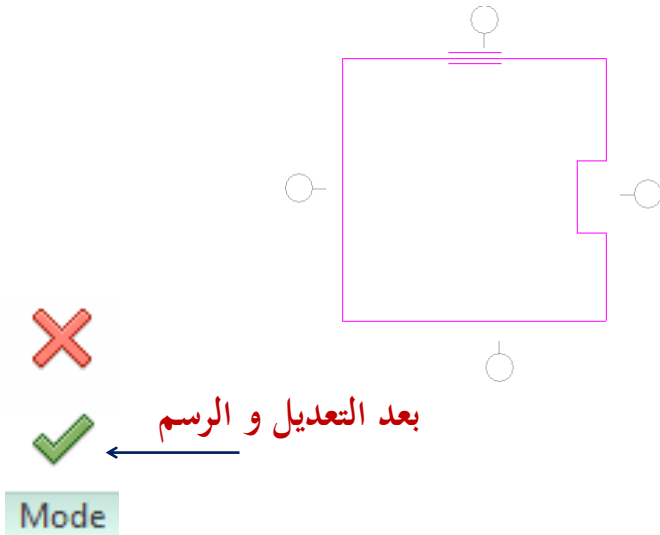
الدرج – Stair



Model Line



للتعديل على اساس الرسم والتصميم للعنصر
Edit Boundary or Edit Profile or **Dclick** نحدد العنصر

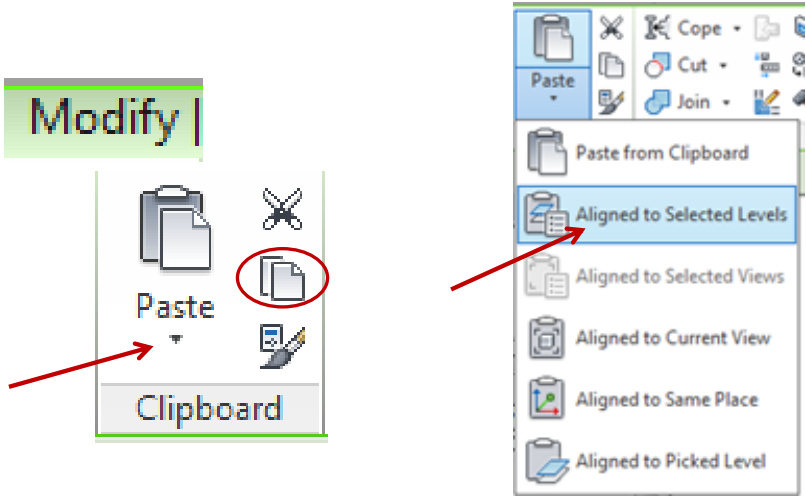


للتعديل على عرض **wall** جدار
Edit Type (Properties) نحدد العنصر

للتعديل على سماكة **Floor** ارضية
Edit Type (Properties) نحدد العنصر

للتعديل على عرض **Width** او ارتفاع **Height**
Window or Door
Edit Type (Properties) نحدد العنصر

لنسخ من Level to Level



اختصارات بعض الأوامر Commands

Door	DR	Grid	GR
Window	WN	Column	CL
Great Level انشاء	LL	OSnap	SS on / SO Off
Zoom ALL	ZA	Wall	WA

Modify



Level

Grid

Datum

Trim / Extend	TR	Move	MV
Rotate	RO	Mirror	DM
Great Level انشاء	LL	Copy	CO

