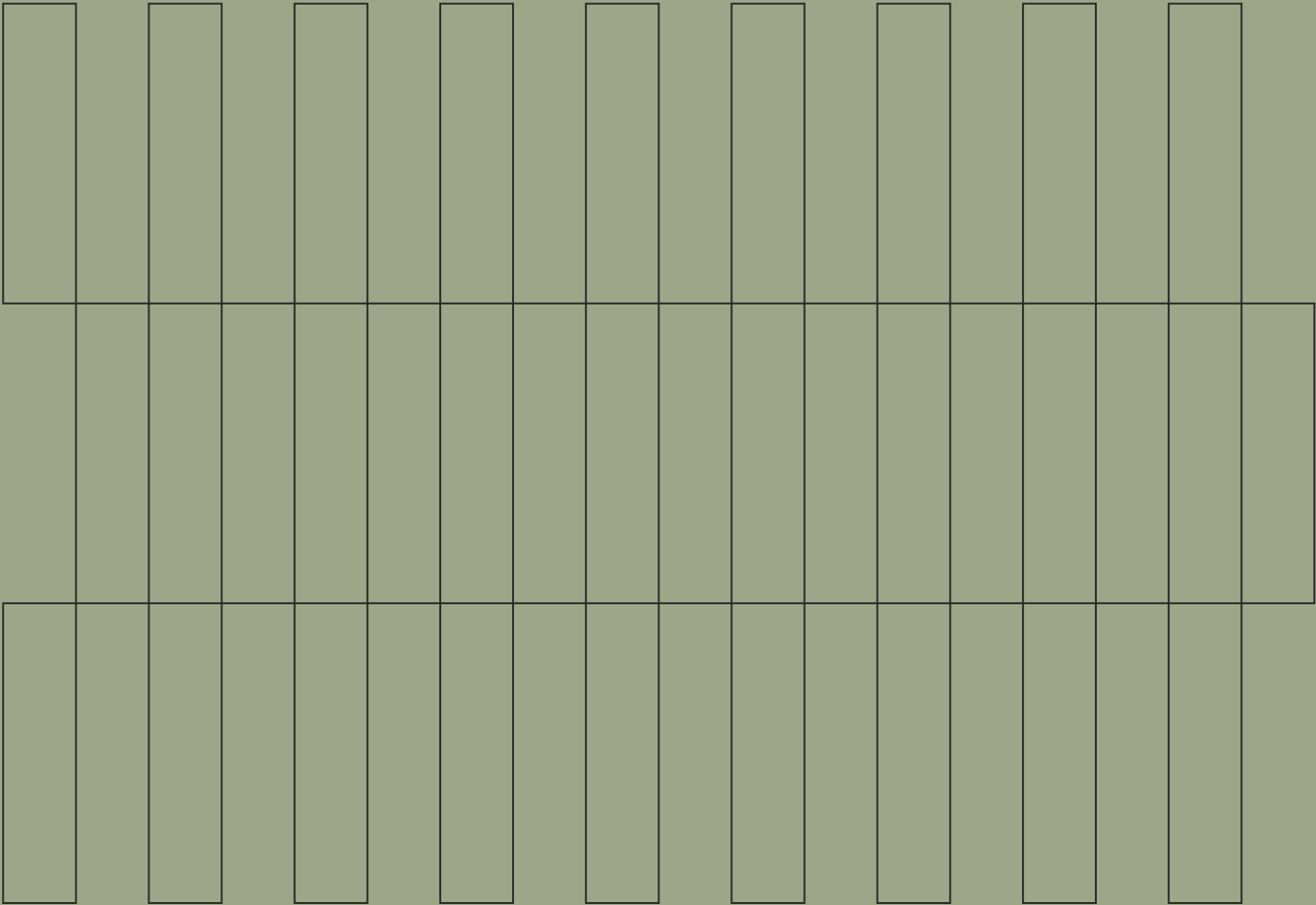


- Timber
- Aluminium
- Concrete



# Revit Content Introduction & User Guide

February 2026 – Version 1

This document provides an overview of the Revit content library supplied by Modinex. The parametric content is all created natively in Revit, allowing users the ability to design and document a wide range of Batten and Cladding Solutions.

Ultimately, the Modinex Revit families should require minimal, firm-specific localisation / standardisation to become the 'go-to' Revit families when Batten and Claddings are required in a Revit project.

Should you require Modinex options outside the range of products detailed in this Modinex Revit content library, please contact us about future ranges to be developed in Revit and one-off requests.

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# 1.0 Family Creation Considerations

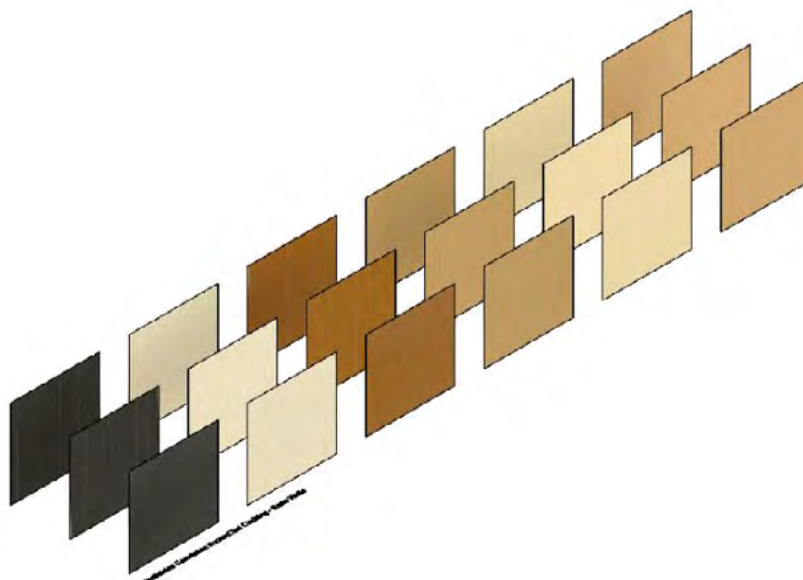
Modinex Revit families have been created to a consistent, high standard with the objective of finding a balance between complexity of use, functionality, documentation output, file size and performance in a project environment. Primary Modinex Revit content creation insights and considerations are listed below:

- Families supplied in Revit 2022 formats.
- Native Revit geometry used throughout, including nested families. (E.g. no AutoCAD or SAT files etc.)
- Loadable families have been created with host types appropriate to their use, this is outlined for each family type in Section 2.
- Consistent family and shared parameters have been used sparingly, allowing for Modinex attributes to be scheduled in the Revit project environment.
- Reference Planes have been applied, named, tidied, and set to the correct 'Is Reference'. Thought has been given to the likely end user requirements in placement / alignment and dimensioning of the families. The Origin Point has also been applied accordingly.
- Detail Level settings applied to 3D geometry and Plan views improving model performance.
- All Warnings have been reviewed and removed where possible.
- The families have been fully Purged and all additional Materials, Line Patterns and Fill Patterns removed.
- Logical and consistent Family and Type naming has been applied across all families.
- The family file sizes have been optimised to be relatively small when the family's overall capabilities are considered, ensuring large Revit projects are not burdened by Modinex families.

## 2.0 Revit Content Library Overview

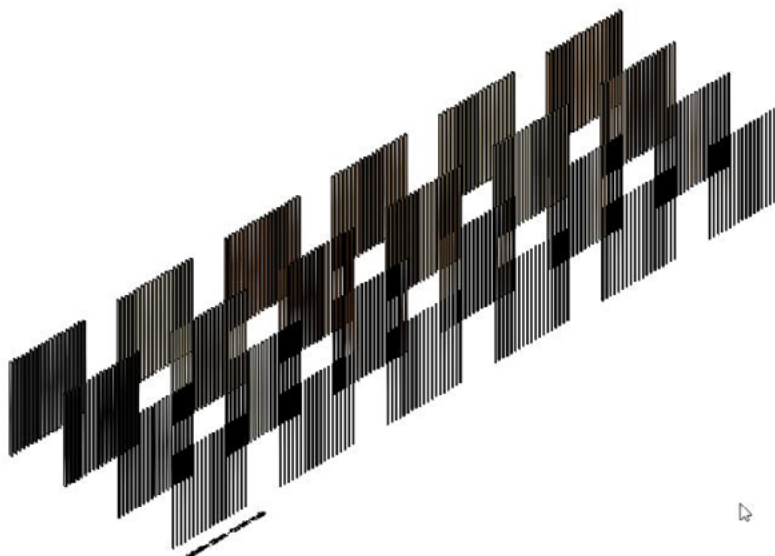
### 2.1 System Families (Basic Walls)

Basic Wall System Families make it easier to document Modinex Cladding by offering ready-made wall types that match each product's correct thickness. Each wall type uses custom materials to reflect the available panel dimensions and colour options. To estimate how many panels are required, you can take the total area of each wall type and divide it by the area of one panel. This approach is particularly helpful on large projects where Modinex Curtain Wall systems may be too resource-intensive for your computer.



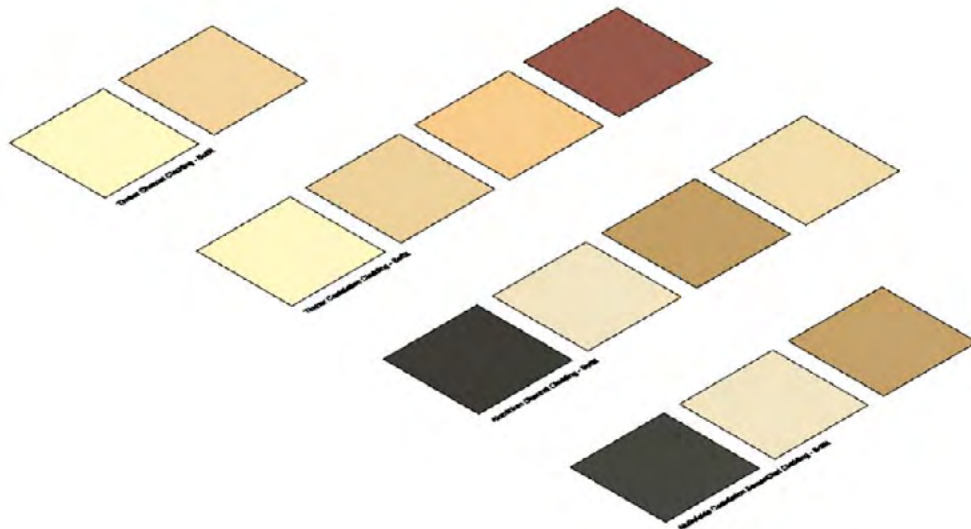
### 2.2 System Families (Curtain Walls)

Curtain Wall System Families are provided for both Battens and Cladding Suites. These systems generate individual mullions with predetermined dimensions based on the required wall height and length. Each mullion can be monitored and quantified separately through a Curtain Mullion schedule if necessary. While these systems use more computing resources than the Basic Wall content, they offer greater flexibility, allowing users to customise the size and colour of Board & Batten components for each project.



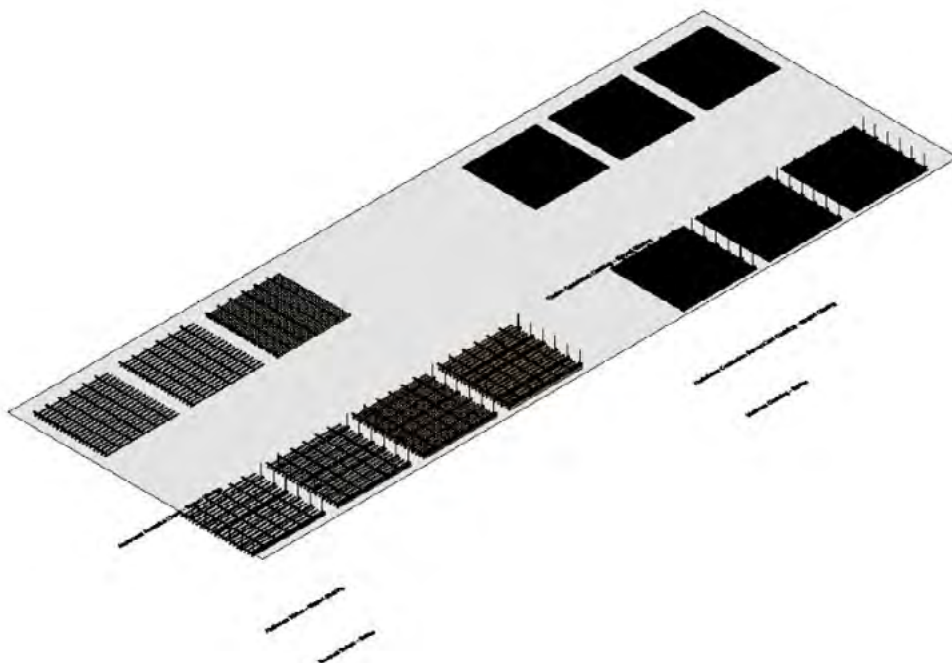
## 2.3 System Families (Soffits)

Soffit System Families work much like Basic Walls, providing a simple method for documenting Modinex External Cladding products. Each soffit type comes preset with the correct thickness for its product and uses custom materials to depict the available board sizes and colour selections. As with Basic Walls, they are ideal for large-scale applications where Modinex Curtain Wall systems may place too much load on computer performance.



## 2.4 System Families (Sloped Glazing)

Sloped Glazing System Families, like Curtain Walls, are available for both the Battens and Cladding Suites. They create individual system mullions with set dimensions determined by the required wall height and length. These systems offer the same flexibility as Curtain Walls, enabling users to modify and customise elements as needed.



## 2.5 Loadable Material Families

The Modinex Revit content library includes a collection of loadable generic model components (.rfa), each corresponding to a specific colour within the different Cladding ranges. These materials are pre-set with hatch patterns and normal maps where applicable and can be quickly transferred into any active project to support accurate visualisation.

The specific colours available are:

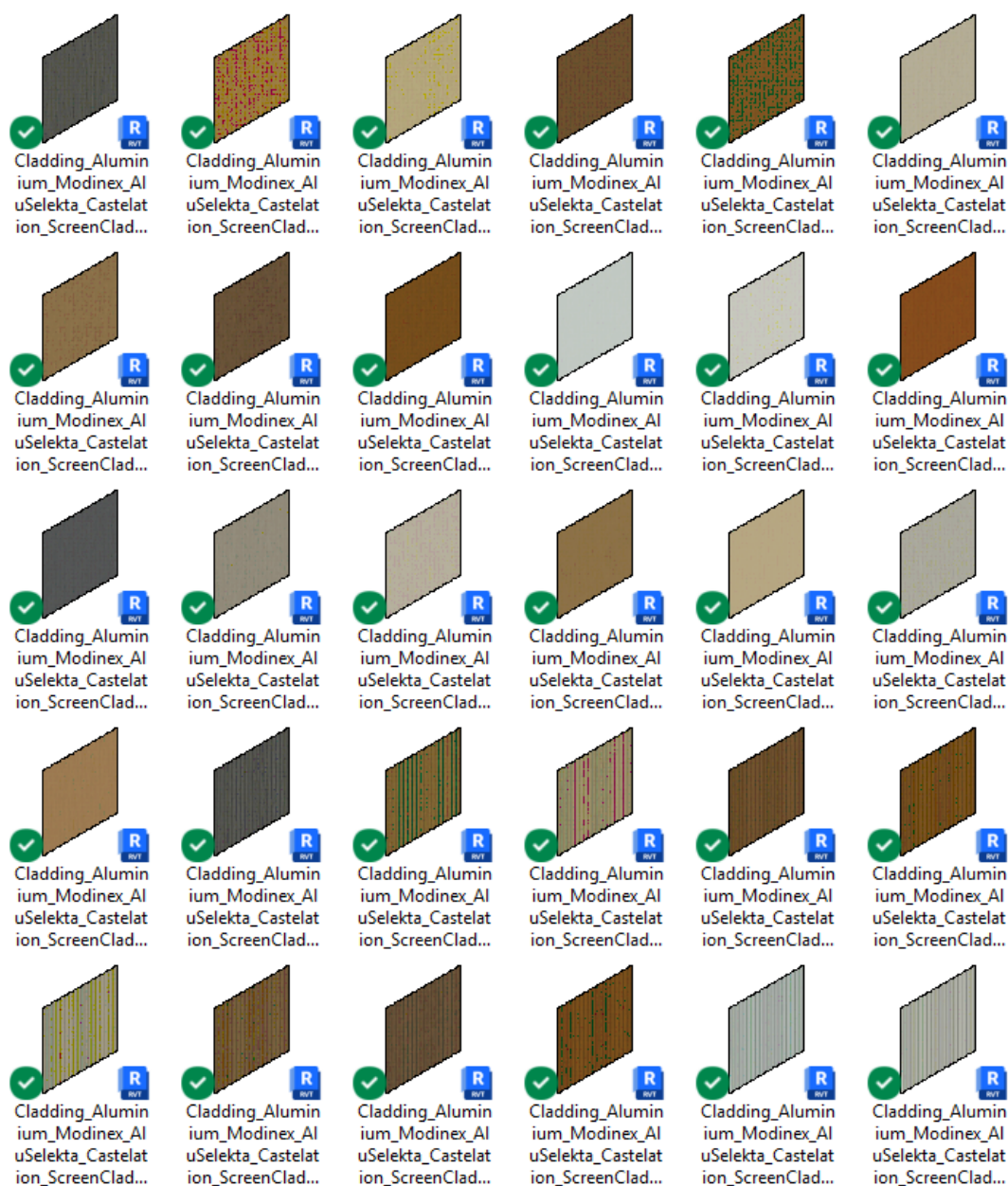
## 19x Woodgrain Powdercoat Finishes

### 6x Woodgrain Timber Species

Available in:

**5x** Aluminium Cladding Sizes (AluSelekta Castelation Screenclad 40mm, 160mm and 160mm Ultra; AluSelekta Channel 75mm and 155mm)

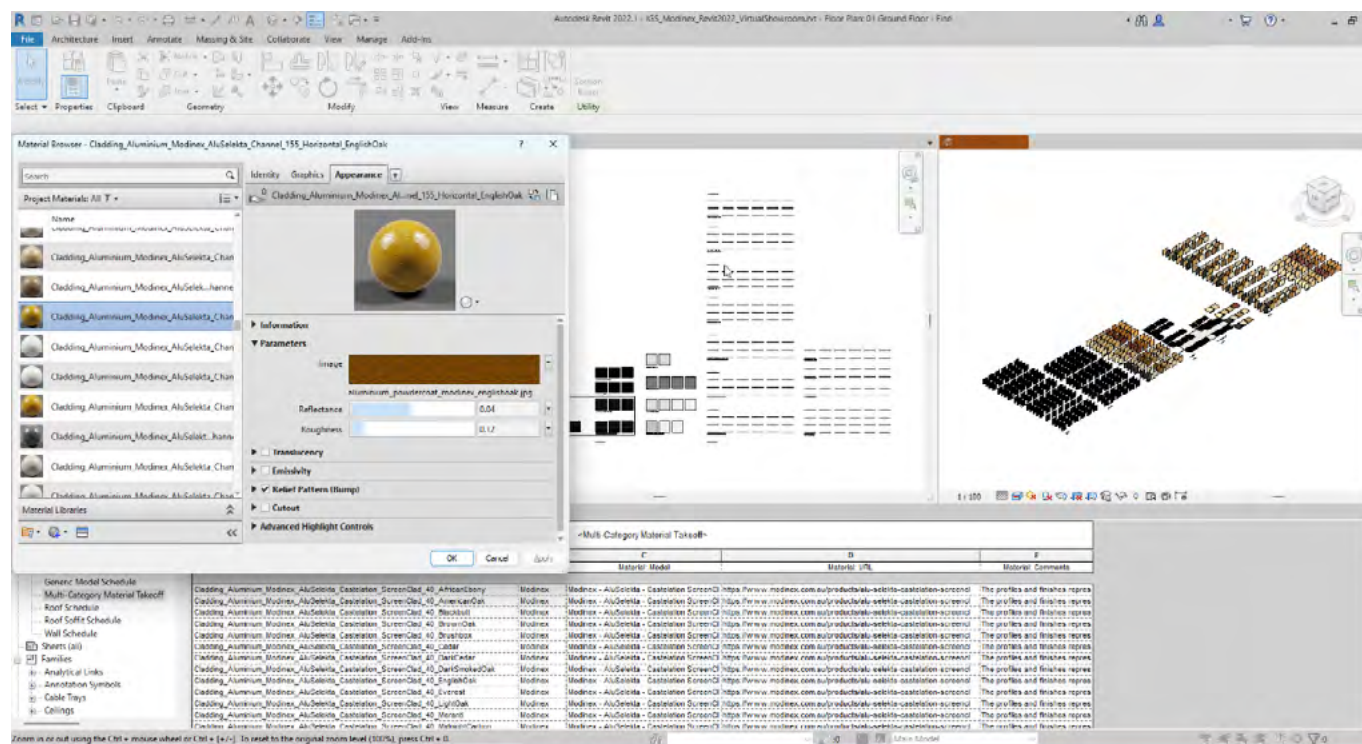
**7x** Timber Cladding Sizes (Castellation, 12mm, 18mm 21mm & 26mm Thick; Channel 70mm, 120mm and 170mm)



## 2.6 Virtual Showroom / QA Project File

A sample Revit project has been prepared with all families and types displayed side by side. It includes example Floor Plans, 3D views, and a preconfigured Schedule, enabling users to quickly evaluate how the families perform within a project setting.

As an alternative to loading individual families, these Revit assets can also be copied and pasted directly into another project.



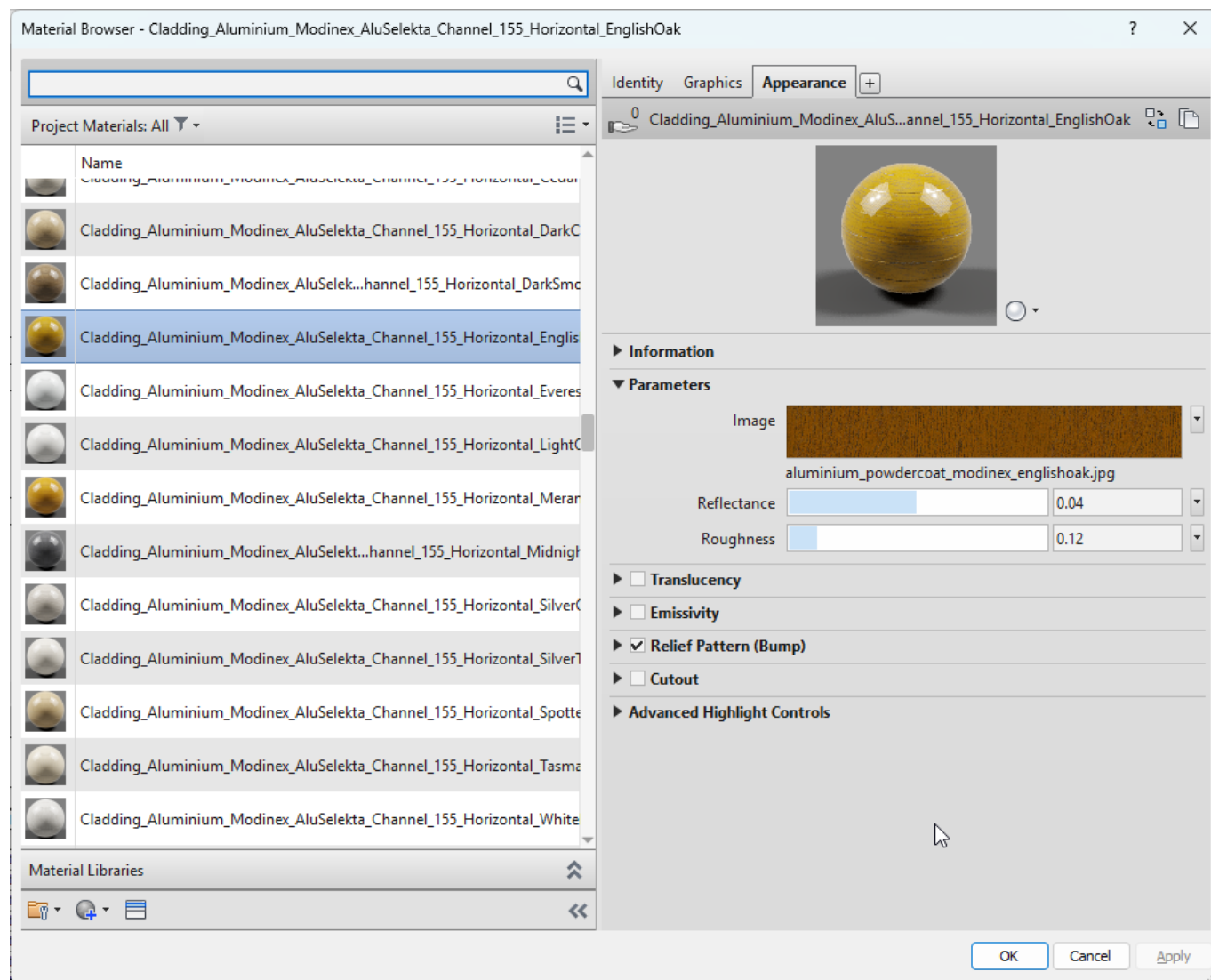


## 3.0 Technical Details

### 3.1 Materials Library

The Revit library includes basic, non-intrusive materials.

Materials follow the same hierarchical naming convention as the families — <Type>\_<Manufacturer>\_<Descriptor> — to integrate seamlessly with existing material libraries. All unused materials have been removed from the families, and any material assets that could be purged have been cleared.



### 3.2 Loading Custom Image Textures

Revit materials that use custom Image Textures will appear grey or as a flat colour if Revit cannot locate the image. For all libraries on BIMcontent.com with custom Image Textures, there is an additional download option called "Material Images", which contains all texture images for that brand's library—not just a single product or range. This means you only need to download and link the folder once.



To link the Material Images to Revit, follow these steps:

**Step 1:** Place all Material Texture Images into your office's designated Material Assets folder or create a local folder on your computer for the custom materials.

**Step 2:** In Revit, go to File → Options.

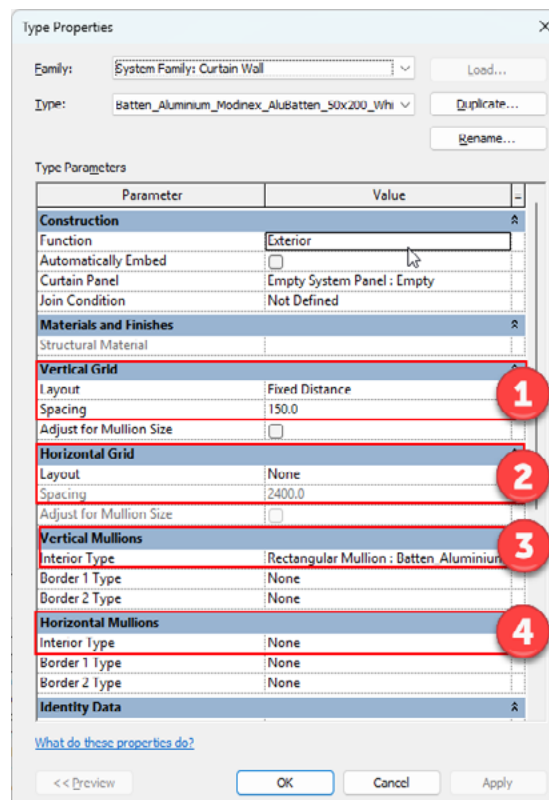
**Step 3:** In the Options dialog, select Rendering, then click the green + icon.

**Step 4:** Paste the folder path from Step 1 or use the three-dot button to navigate to the folder, then click OK.

After completing these steps, switch any previously open views from Realistic → Shaded → Realistic to update the display. Once the Material Images folder is set up, Steps 2–4 do not need to be repeated for other materials—just copy the images into the same folder. If multiple Revit versions are in use, Steps 2–4 must be repeated for each version.

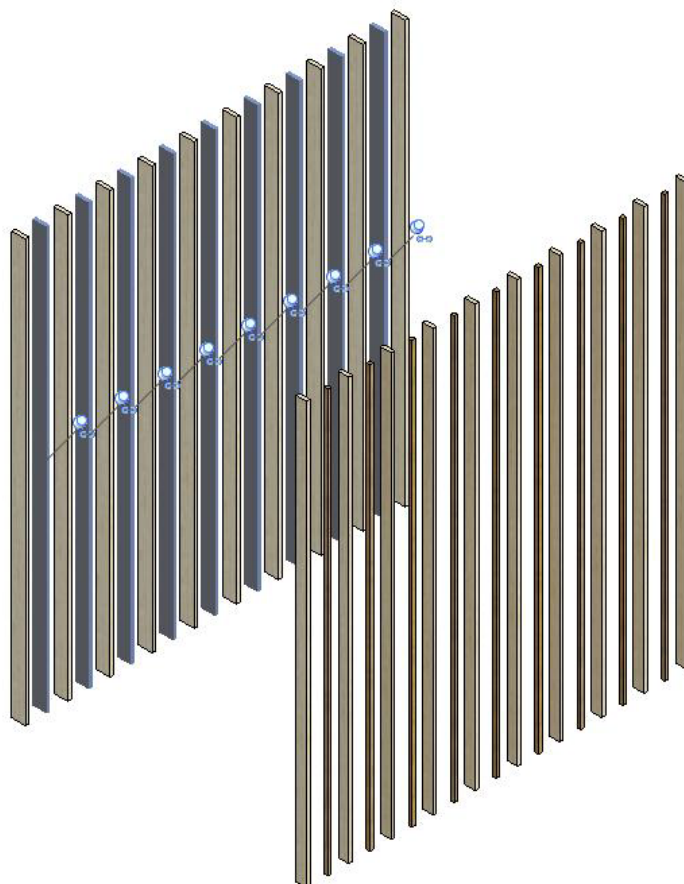
### 3.3 Editing Curtain Wall Instances

The Curtain Wall System Families enable users to create a wide range of Modinex product combinations. The standard parametric features of Revit Curtain Walls can be adjusted to customise **Spacing and Orientation** (horizontal and vertical spacing can be swapped to rotate panel orientation by 90°) (#1 & #2), as well as **Batten and Cladding Mullion types** (#3 & #4).



Individual mullions can be **unpinned** to allow modifications to specific instances, and Grid Lines can also be unpinned to create custom mullion spacing. Any custom combinations should be developed in accordance with Modinex product specifications.

The screenshot below shows an example of a Curtain Wall type that has been customised by unpinning to more accurately represent a particular system application. A similar result can also be achieved by using two different wall types, doubling their spacing, and offsetting them so they alternate.

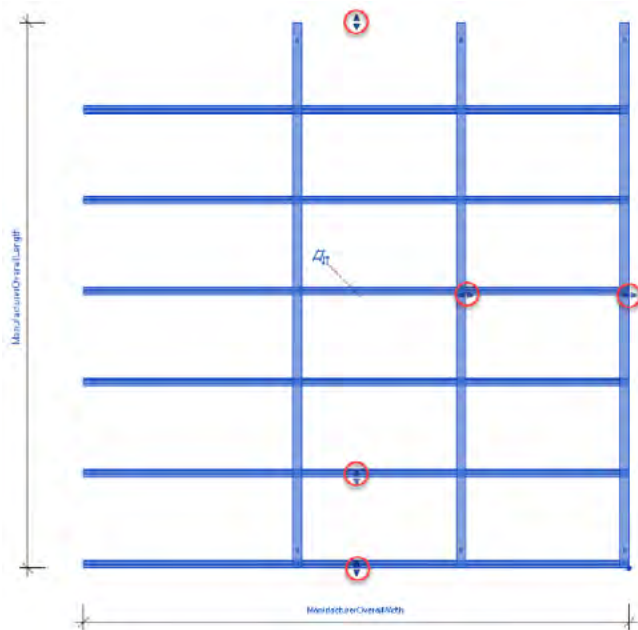
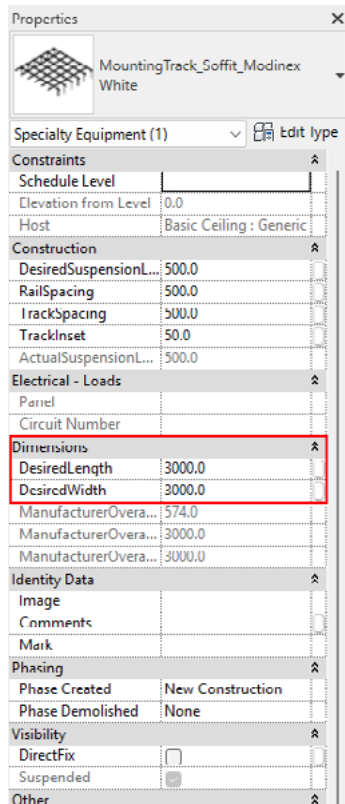


## 3.4 Ceiling Mounting Tracks Family

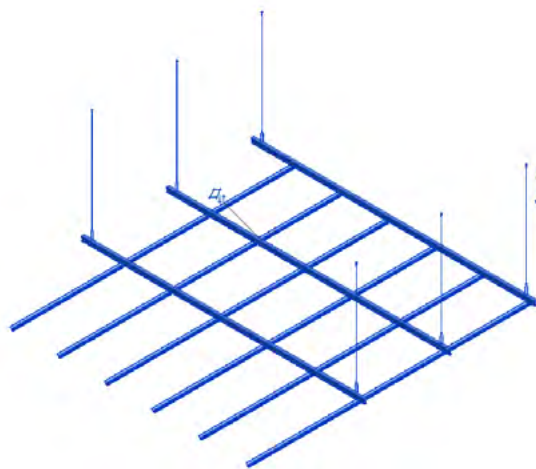
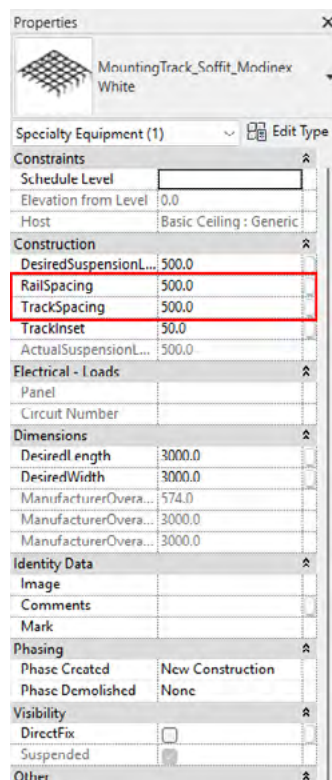
The following sections outline the key customisation options for the Modinex Mounting Tracks face based family.

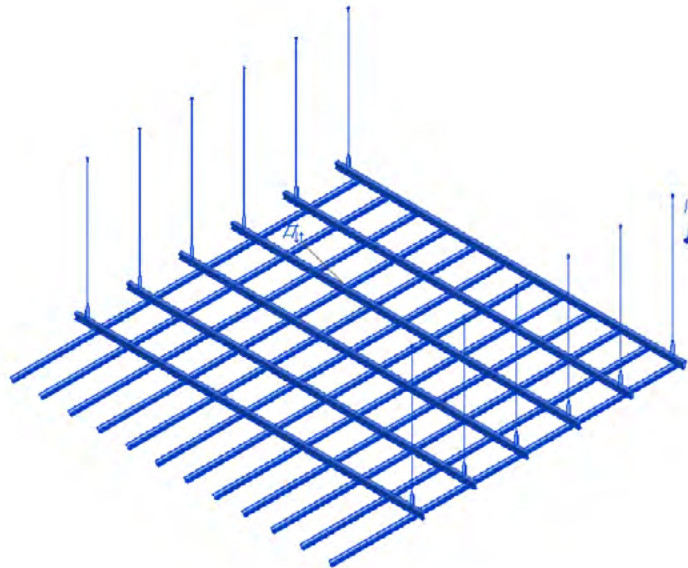
### 3.4.1 Control Overall System Sizing

The overall length and width of any Track system can be defined either by inputting specific values into the provided DesiredLength and DesiredWidth parameters or utilising the provided grip arrows in a plan view to dynamically adjust overall system sizing.



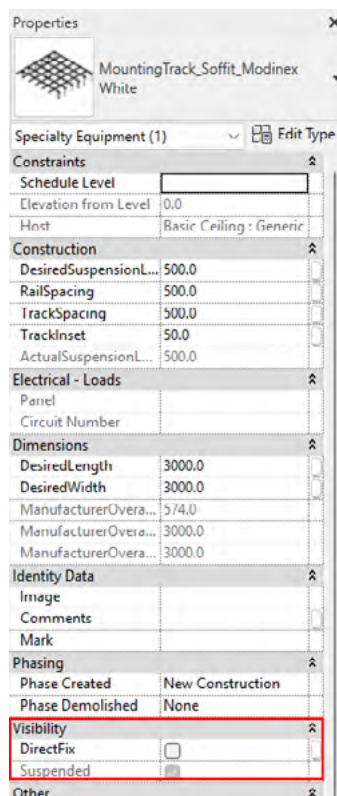
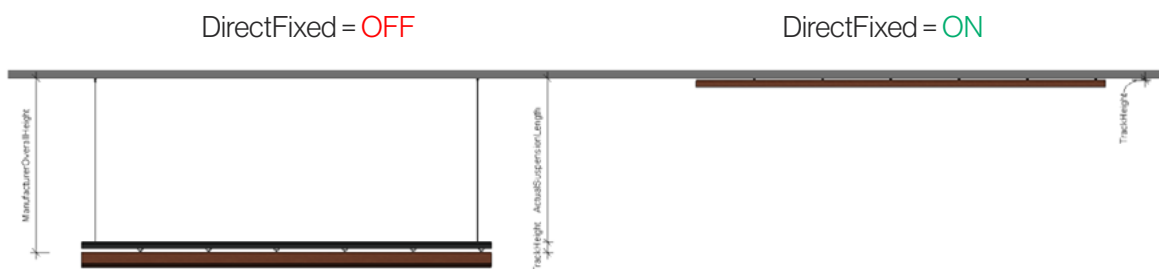
The dedicated TrackSpacing and RailSpacing parameter allows user input of the centre-to-centre spacings of Track and Rail rows. Adjusting this parameter will automatically add or remove rows of baffles as required based on the specified overall system width.



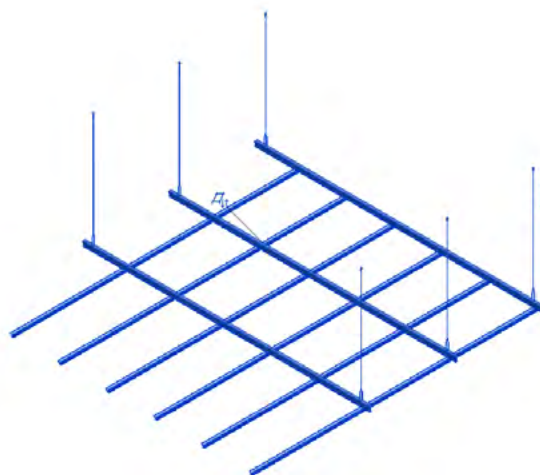
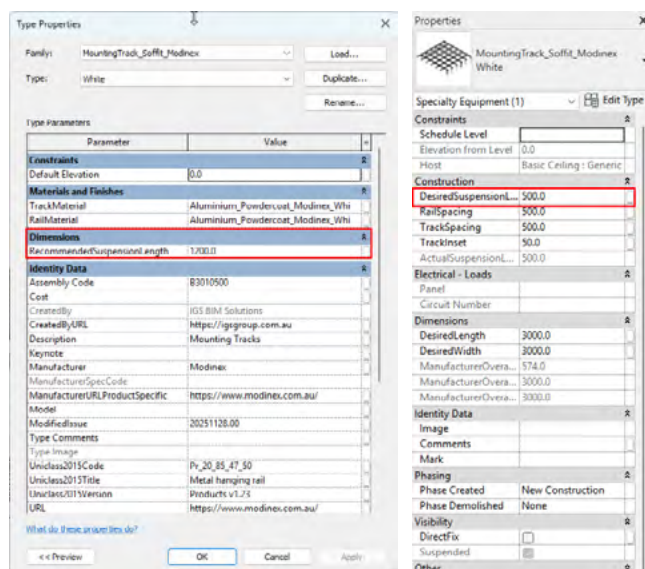


### 3.4.2 Control Mounting Track Installation Type

The mounting track family features the **DirectFixed** tick box parameter that can be toggled on or off to swap between the two different installation methods.

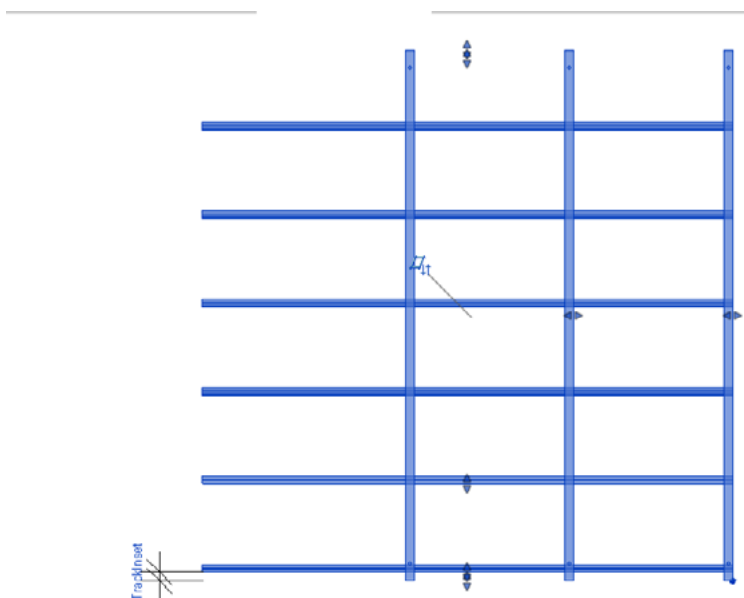
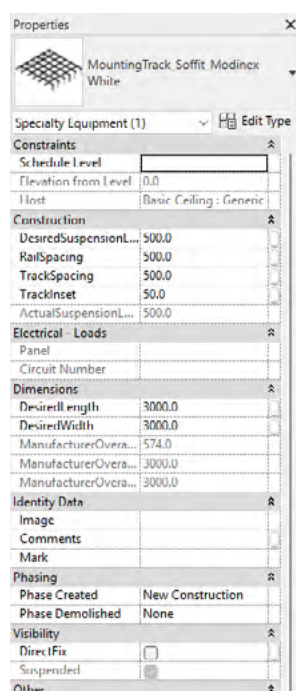


When a suspended system is specified, the **DesiredSuspensionLength** parameter allows input of a length value to control the suspension cable lengths i.e. the distance from the hosting face to the top of the crossrails. The input length here will be automatically validated so as to not exceed the value contained in the type-based **RecommendedSuspensionLength** parameter. This value has been set to 1200mm by default, however, can be increased to achieve longer suspension cables.



When documenting a suspended system, the tracks can be offset from the ends of the support Rails and can be controlled via the **TrackInset** parameter, set to default at 50mm.

Please note that there may be a necessity to retain the overhanging rails in the situation where a negative detail/shadow line arrangement is desired by combining multiple instances of Battens and Cladding (see Section 3.4.3).



### 3.4.3 Alternating Track and Rail Colours

Family Types exist for all available Track and Rail colours. Further customisation is provided via the **TrackMaterial** and **RailMaterial** material parameters.

By default, these parameters are set to the same value and as such all will display as a consistent colour according to the Family Type selected. Custom types can be created using the 'Duplicate Type' workflow (outlined below), at which point a logical Type Name can be applied and the appropriate **Material** parameter changed to display rows in differing colours.

The screenshot shows the 'Type Properties' dialog box for a family type named 'MountingTrack\_Soffit\_Modinex'. The 'Type' is currently set to 'White'. The 'Type Parameters' section is expanded, showing a table of parameters and their values. The 'Materials and Finishes' section is highlighted with a red box, showing that both 'TrackMaterial' and 'RailMaterial' are currently set to 'Aluminium\_Powdercoat\_Modinex\_Whi'. Other parameters include 'Default Elevation' (0.0), 'RecommendedSuspensionLength' (1200.0), and various identity and metadata fields.

Parameter	Value
<b>Constraints</b>	
Default Elevation	0.0
<b>Materials and Finishes</b>	
TrackMaterial	Aluminium_Powdercoat_Modinex_Whi
RailMaterial	Aluminium_Powdercoat_Modinex_Whi
<b>Dimensions</b>	
RecommendedSuspensionLength	1200.0
<b>Identity Data</b>	
Assembly Code	B3010500
Cost	
CreatedBy	IGS BIM Solutions
CreatedByURL	https://igsgroup.com.au
Description	Mounting Tracks
Keynote	
Manufacturer	Modinex
ManufacturerSpecCode	
ManufacturerURLProductSpecific	https://www.modinex.com.au/
Model	
ModifiedIssue	20251128.00
Type Comments	
Type Image	
Uniclass2015Code	Pr 20 05 47 50
Uniclass2015Title	Metal hanging rail
Uniclass2015Version	Products v1.23
URL	https://www.modinex.com.au/

[What do these properties do?](#)

<< Preview OK Cancel Apply



## 4.0 Closing Statement

The primary aim of the Modinex Revit content library is to simplify the design, documentation, and specification of Modinex products within Revit. Modinex is committed to ongoing development of this library to keep pace with industry advancements and evolving BIM workflows.

We welcome your feedback and suggestions to help us continue meeting your Revit content needs.

