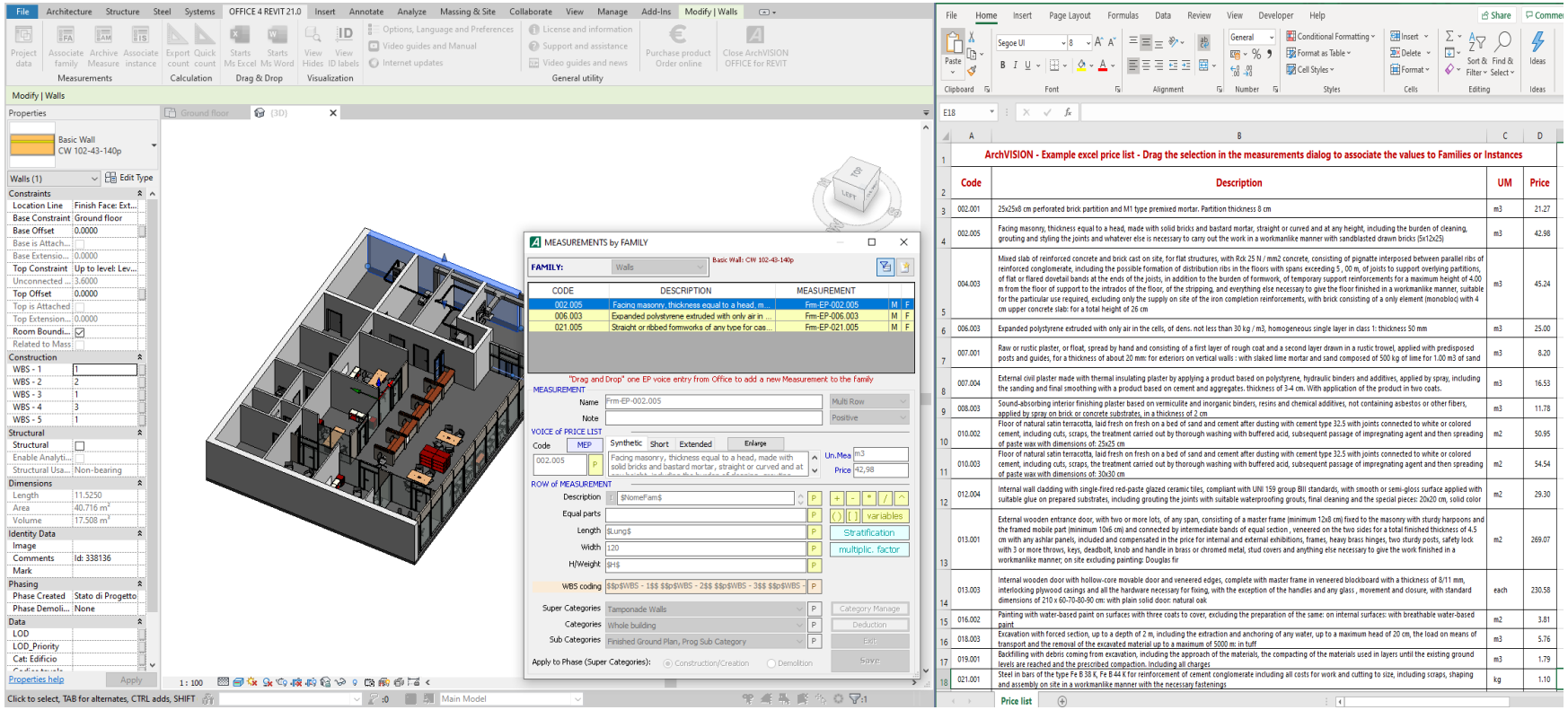
ArchVISION OFFICE for REVIT 22
a BIM solution proposed by MCS Software
for the dynamic quantity take-off between Revit and Office

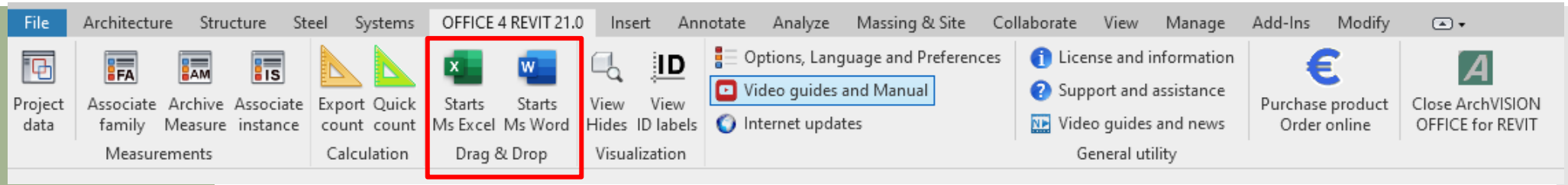
Presentation of the main characteristics of the product

Version updated in April 2021 - ver. 22.0

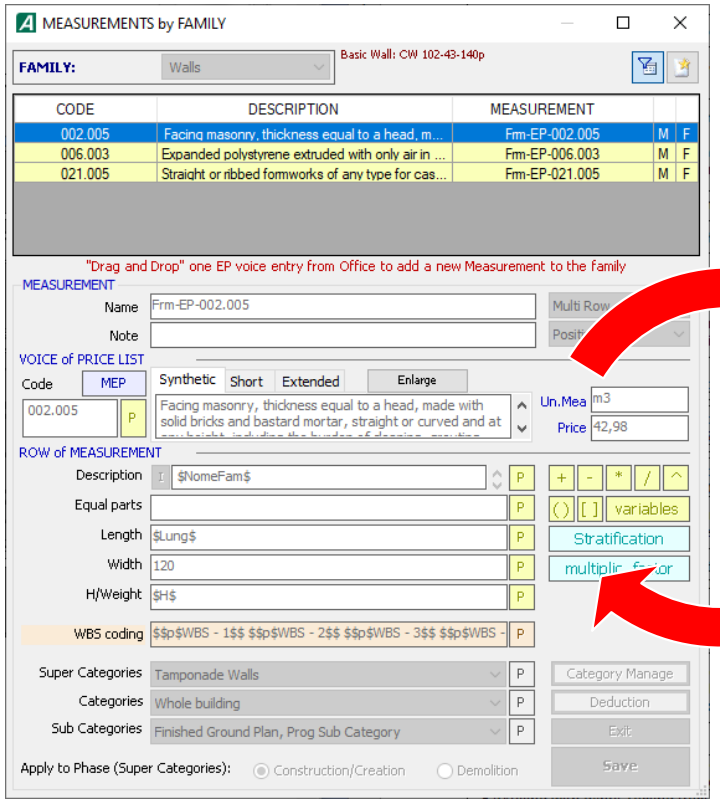
ArchVISION OFFICE for REVIT is an add-in that integrates and interfaces directly with Autodesk Revit (from 2018 to 2022) and with Microsoft Excel and Word (starting from the 2007 version), putting them in direct communication with each other through a dynamic and bidirectional dialogue between the two products by creating a unique link between one or more PL items (Price List) and families or instances (Autodesk Revit ID), it does not require IFC files, exports or intermediate interchange files, ArchVISION OFFICE for REVIT generates and updates the quantity take-off directly in native XLSX or DOCX format in real time and from Revit **with just one click**!

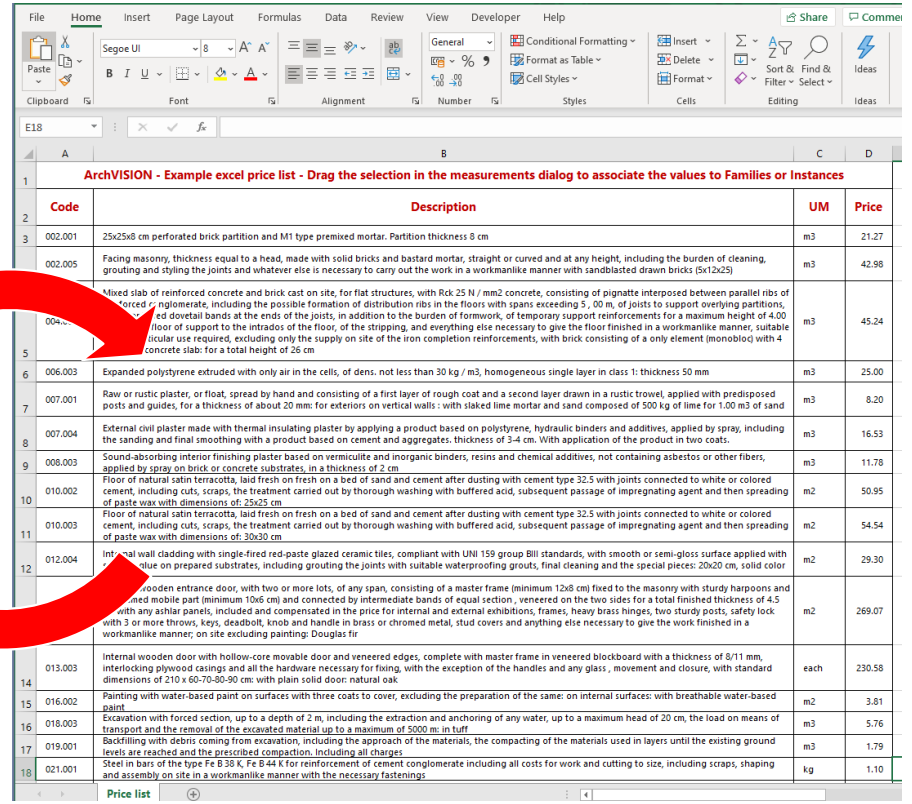


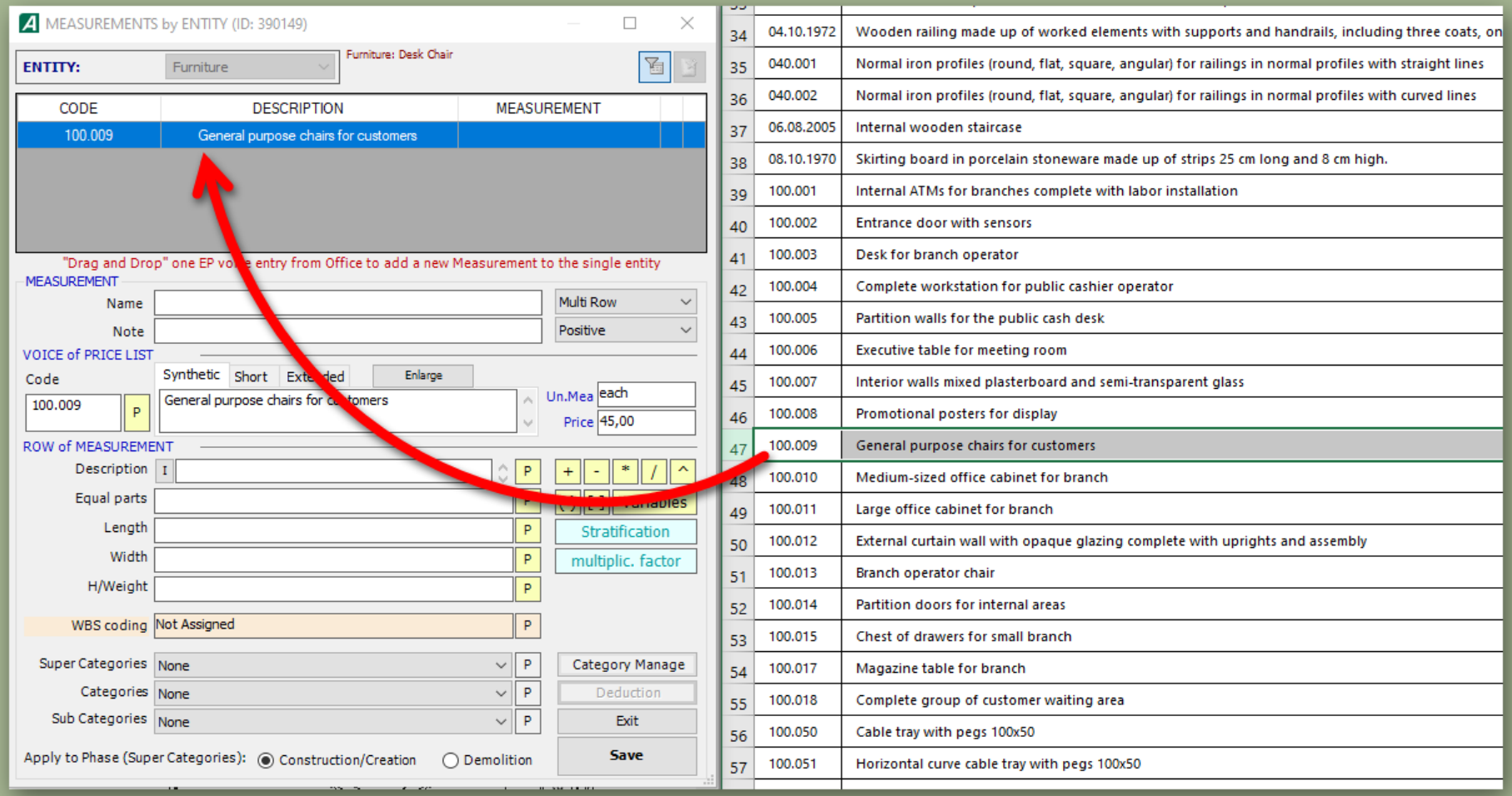
Launch functions and interoperability with Excel and Word directly from the Revit ribbon



Association of one or more PL items from any list from Excel or Word file via Drag & Drop directly in Revit with measurements configured on Families, Instances, Materials, Paints, Parts, Masses, Topographic surfaces (excavations and fillings), Nested Families and Groups, allowing the subsequent realization of the quantity take-off directly in Excel or Word with subsequent dynamic and direct updates, also available in Worksharing mode (teamwork on federated and shared projects)



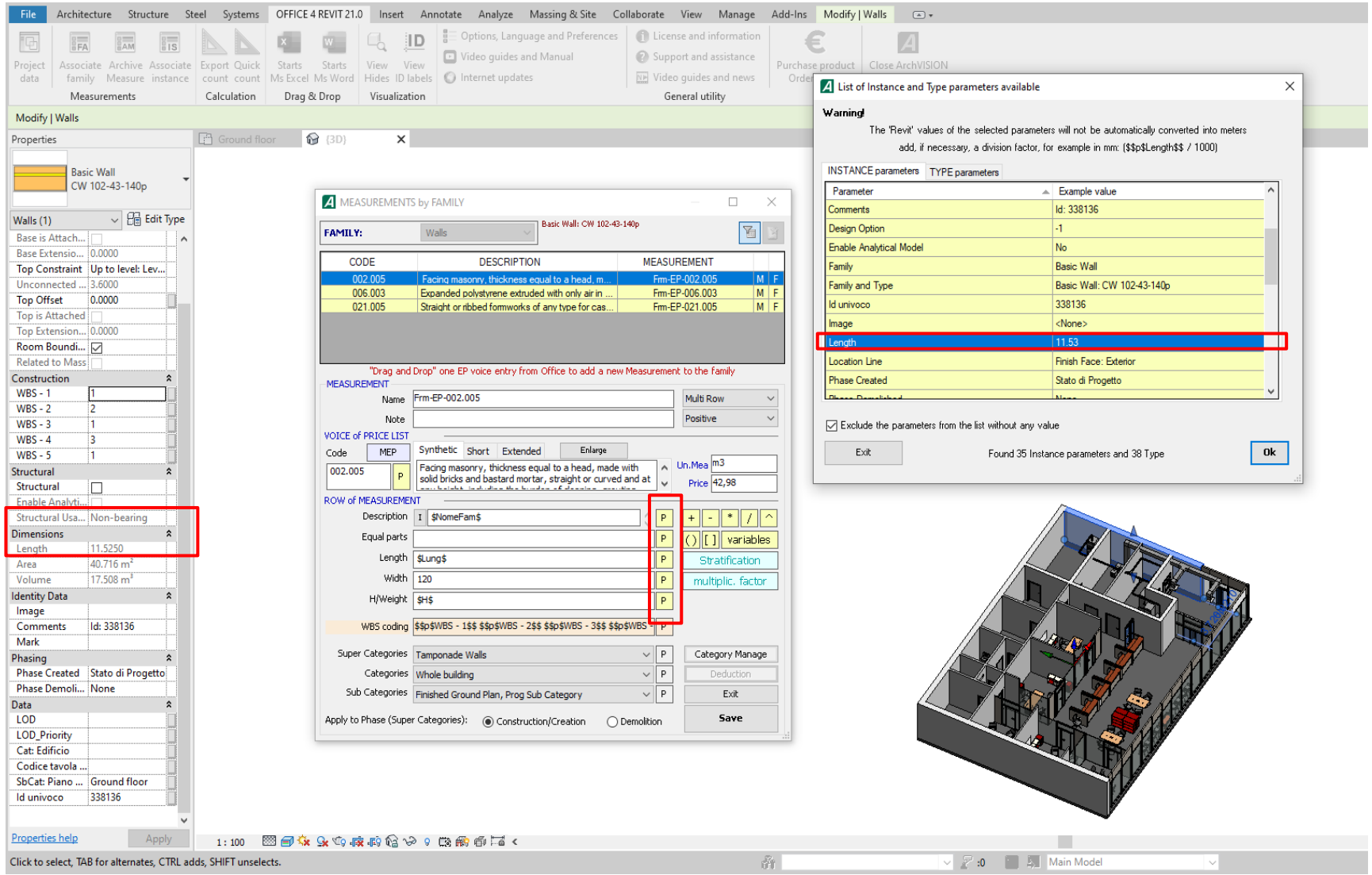




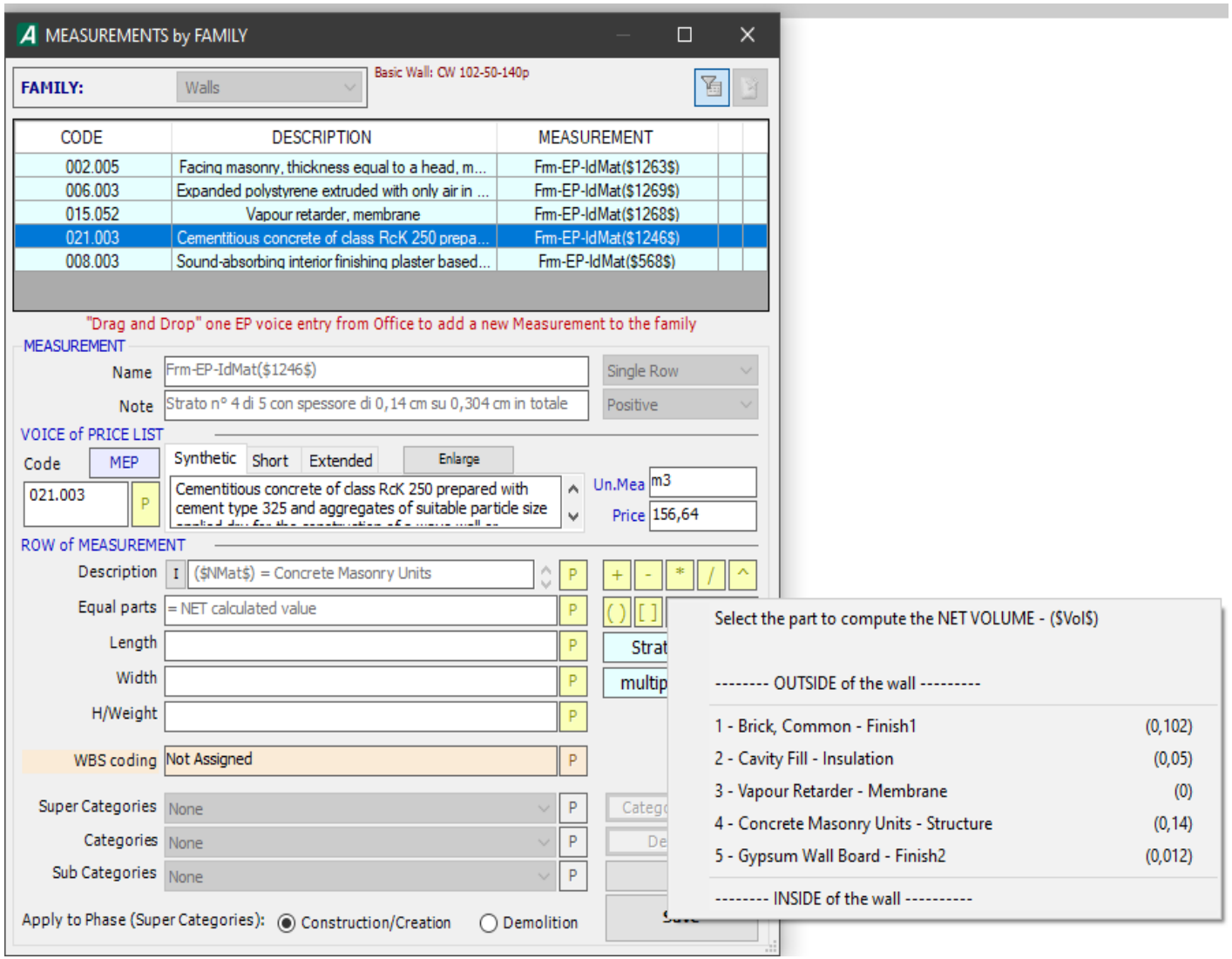
34	04.10.1972	Wooden railing made up of worked elements with supports and handrails, including three coats, on
35	040.001	Normal iron profiles (round, flat, square, angular) for railings in normal profiles with straight lines
36	040.002	Normal iron profiles (round, flat, square, angular) for railings in normal profiles with curved lines
37	06.08.2005	Internal wooden staircase
38	08.10.1970	Skirting board in porcelain stoneware made up of strips 25 cm long and 8 cm high.
39	100.001	Internal ATMs for branches complete with labor installation
40	100.002	Entrance door with sensors
41	100.003	Desk for branch operator
42	100.004	Complete workstation for public cashier operator
43	100.005	Partition walls for the public cash desk
44	100.006	Executive table for meeting room
45	100.007	Interior walls mixed plasterboard and semi-transparent glass
46	100.008	Promotional posters for display
47	100.009	General purpose chairs for customers
48	100.010	Medium-sized office cabinet for branch
49	100.011	Large office cabinet for branch
50	100.012	External curtain wall with opaque glazing complete with uprights and assembly
51	100.013	Branch operator chair
52	100.014	Partition doors for internal areas
53	100.015	Chest of drawers for small branch
54	100.017	Magazine table for branch
55	100.018	Complete group of customer waiting area
56	100.050	Cable tray with pegs 100x50
57	100.051	Horizontal curve cable tray with pegs 100x50

The connection between Excel or Word with Revit is dynamic and direct through "Drag & Drop" being able to easily change the cost, descriptions, calculation formulas and also the materials associated with them (Measurements) by updating a quantity take-off in a few seconds with multiple variants and price alternatives by also reading the parameters (type and instance) of the customized families, being able to compute the active selection, it is possible to manage Work Progress Status and simulate different contexts (possibly with calculations also organized by phases , levels, categorizations and Multilevel coding WBS).

ArchVISION OFFICE for REVIT allows the configuration of each measurement for one or more PL entries (Codes) from one or more lists by associating them with the geometries and the Instance and Type parameters in Revit.



The stratification, of the parts and of the single materials for the families of *Walls*, *Floors*, *Ceilings* and *Roofs* can also be managed by updating the schedules and the master data of the materials in Revit

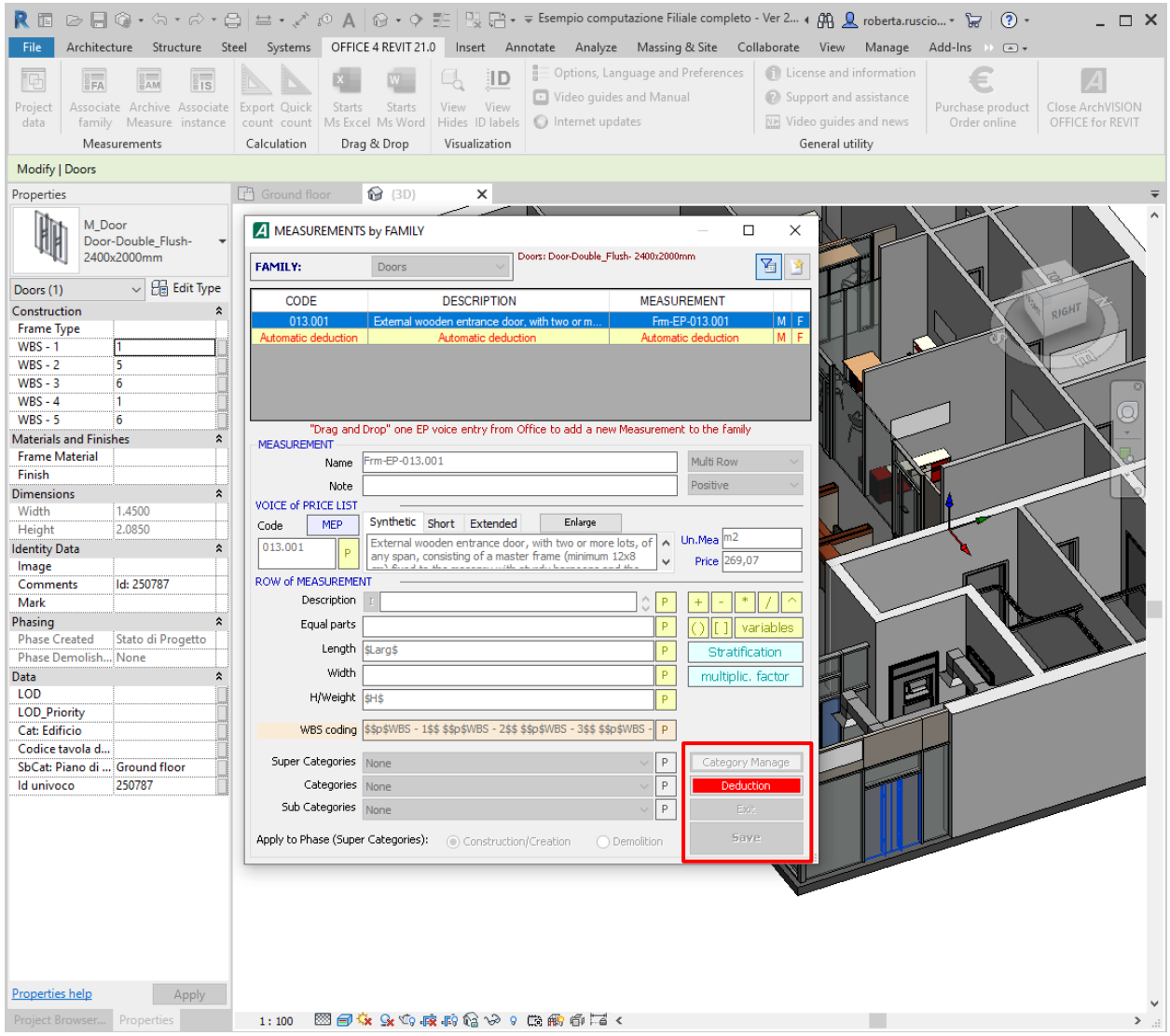


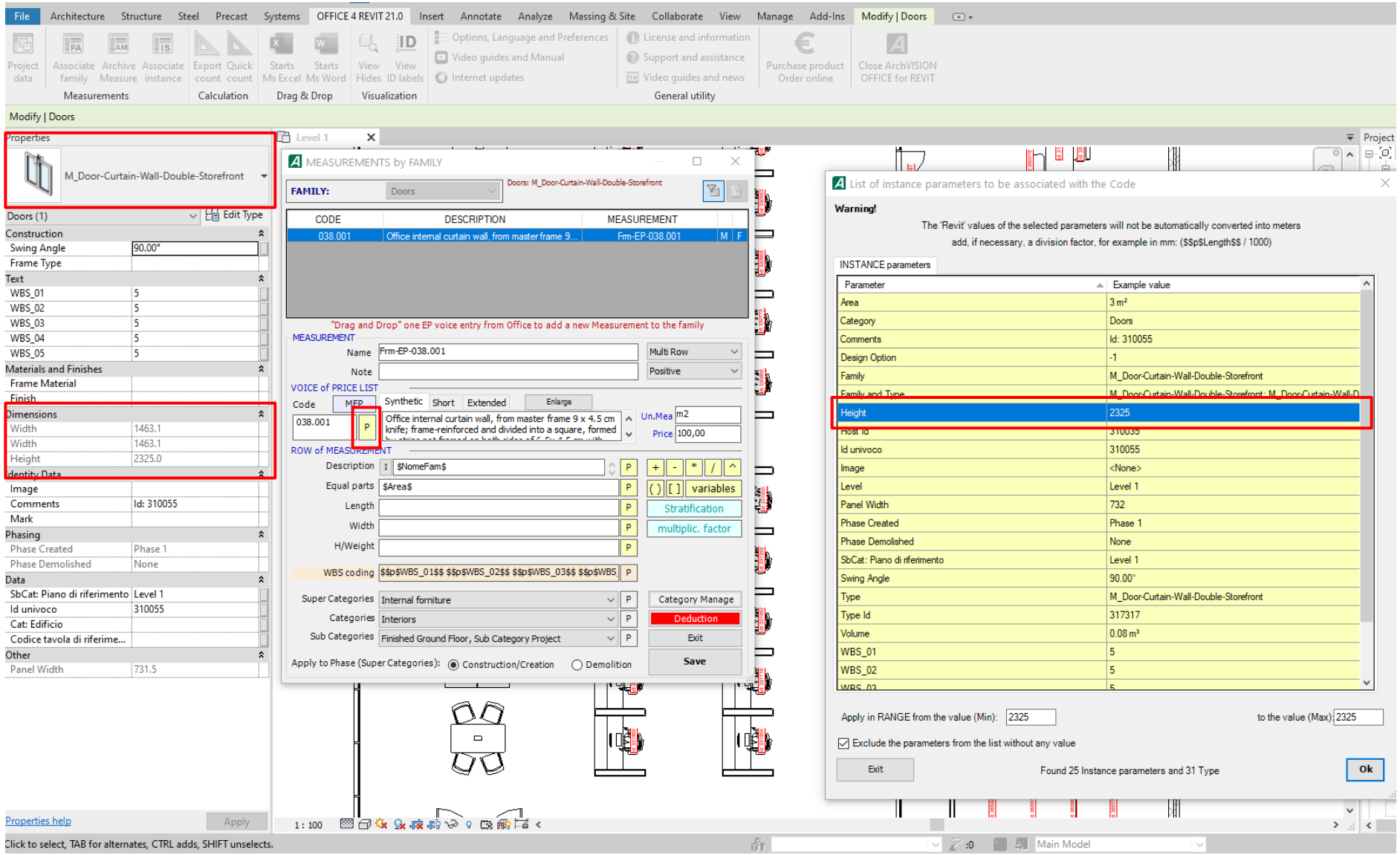
CW 102-50-140p Level 1												
Basic Wall	CW 102-50-140p	Brick, Common	Level 1	297468	1263	002.005	Facing masonry, th	42,98	m3	None		Level 1
Basic Wall	CW 102-50-140p	Brick, Common	Level 1	297719	1263	002.005	Facing masonry, th	42,98	m3	None		Level 1
Basic Wall	CW 102-50-140p	Brick, Common	Level 1	297888	1263	002.005	Facing masonry, th	42,98	m3	None		Level 1
Basic Wall	CW 102-50-140p	Cavity Fill	Level 1	297468	1269	006.003	Expanded polystyr	25,00	m3	None		Level 1
Basic Wall	CW 102-50-140p	Cavity Fill	Level 1	297719	1269	006.003	Expanded polystyr	25,00	m3	None		Level 1
Basic Wall	CW 102-50-140p	Cavity Fill	Level 1	297888	1269	006.003	Expanded polystyr	25,00	m3	None		Level 1
Basic Wall	CW 102-50-140p	Concrete Masonry	Level 1	297468	1246	021.003	Cementitious concr	156,64	m3	None		Level 1
Basic Wall	CW 102-50-140p	Concrete Masonry	Level 1	297719	1246	021.003	Cementitious concr	156,64	m3	None		Level 1
Basic Wall	CW 102-50-140p	Concrete Masonry	Level 1	297888	1246	021.003	Cementitious concr	156,64	m3	None		Level 1
Basic Wall	CW 102-50-140p	Gypsum Wall Boar	Level 1	297468	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	CW 102-50-140p	Gypsum Wall Boar	Level 1	297719	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	CW 102-50-140p	Gypsum Wall Boar	Level 1	297888	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	CW 102-50-140p	Vapour Retarder	Level 1	297468	1268	006.014	Vapour retarder m	2,30	m2	None		Level 1
Basic Wall	CW 102-50-140p	Vapour Retarder	Level 1	297719	1268	006.014	Vapour retarder m	2,30	m2	None		Level 1
Basic Wall	CW 102-50-140p	Vapour Retarder	Level 1	297888	1268	006.014	Vapour retarder m	2,30	m2	None		Level 1
Level 1: 15 : 15 CW 102-50-140p: 15 Interior - 138mm Partition (1-hr) Level 1												
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	310433	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	310529	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	310693	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	364770	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	364929	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	365425	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	365575	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	365665	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1
Basic Wall	Interior - 138mm Pa	Gypsum Wall Boar	Level 1	365774	568	008.003	Sound-absorbing i	11,78	m3	None		Level 1

ArchVISION OFFICE for REVIT generates and updates complete **material schedules** showing the *unique ID of each computed entity, the unique ID of each material associated with it* with all the details of the associated PL item (code) and taken from the price list with area, volume and length of each layer.

The schedules thus created are available for layered families such as Walls, Floors, Roofs and Ceilings

Total volume management including dead freight is available (**Automatic deduction**)

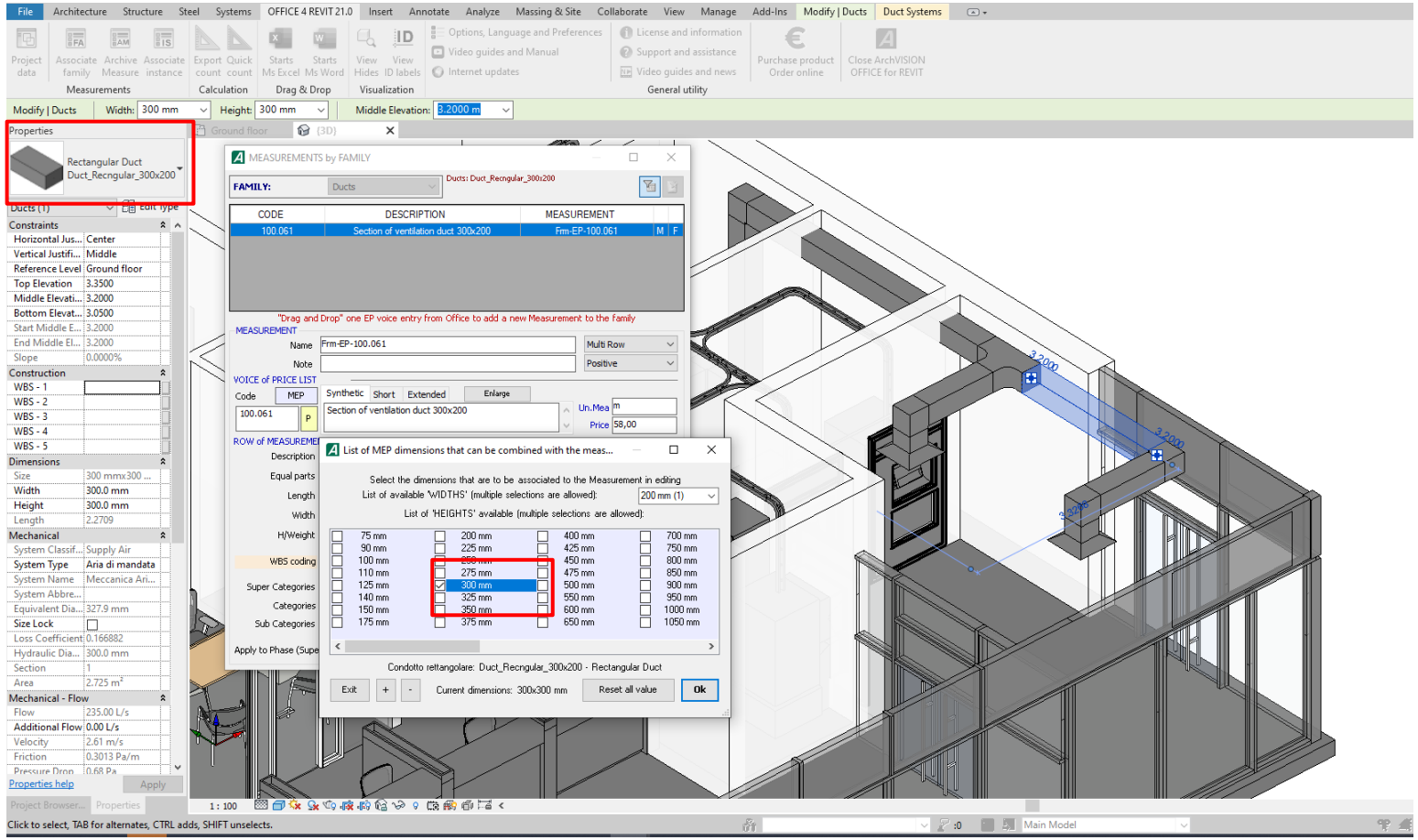




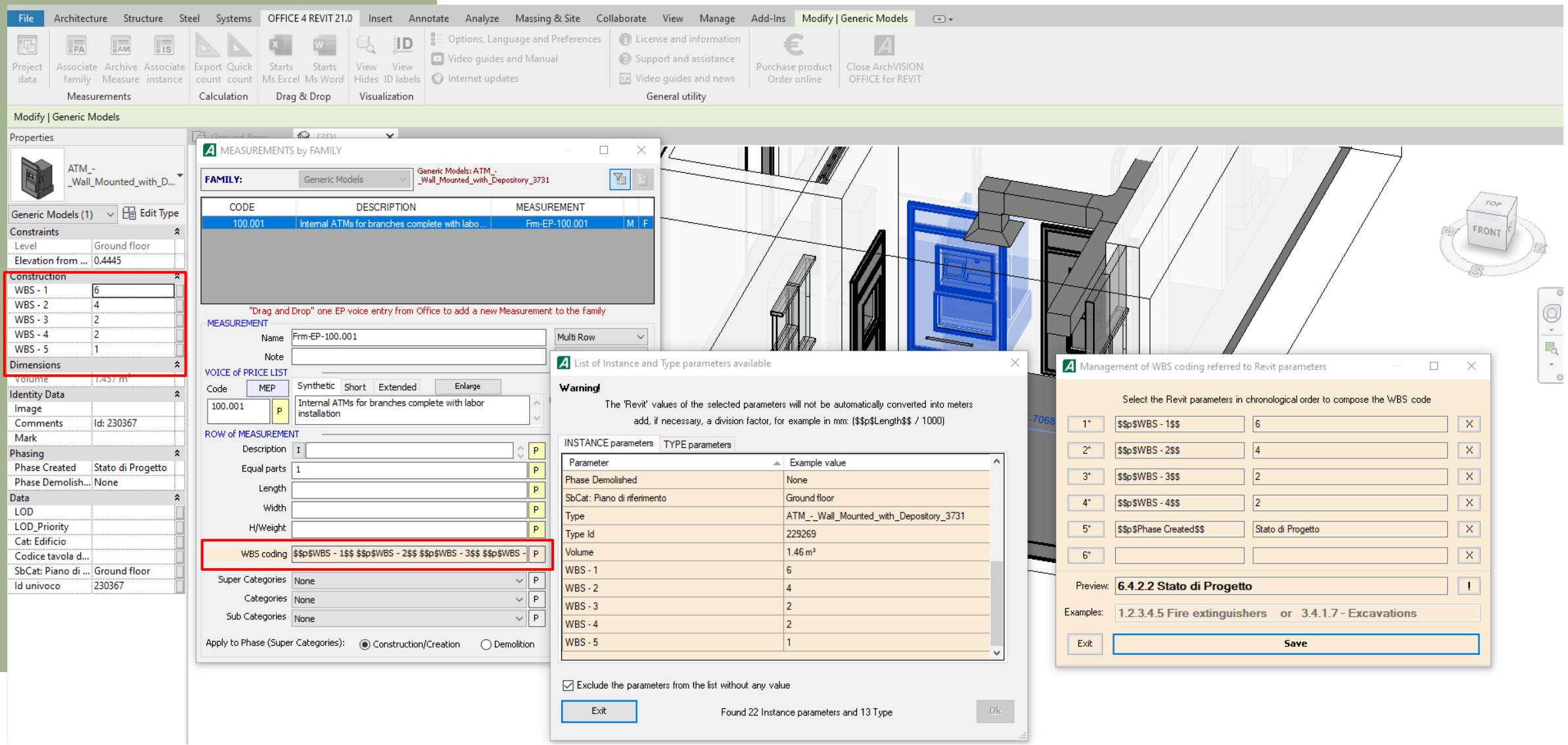
ArchVISION OFFICE for REVIT allows the possible association of PL entries to families by filtering and binding them according to a specific range of values in the instance parameters. (dimensions)

The management of MEP elements is available, allowing a detailed computation of MEP elements (Ducts, Walkways, Pipes, etc.) with Rates associated with them and bound according to the size of their sections for the same family.

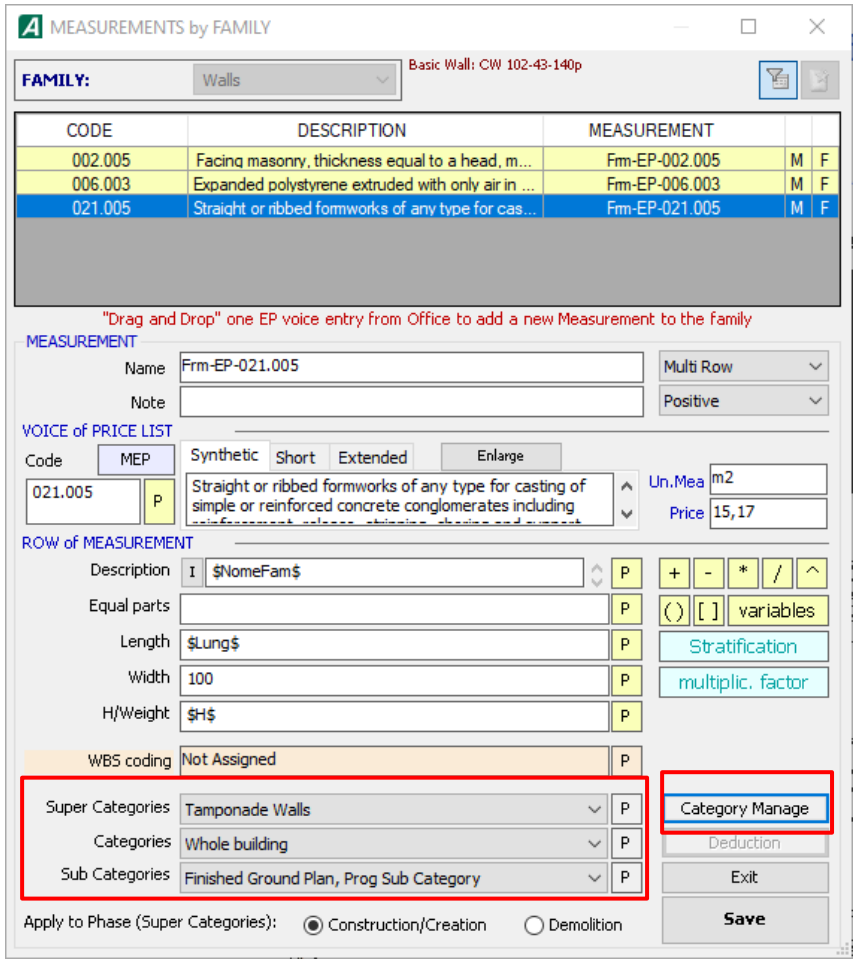
In detail, it is possible to select distinct width and height of the section of ducts, walkways, pipes by blocking and constraining the selected PL item available in a very similar way also on the diameters of the pipes.

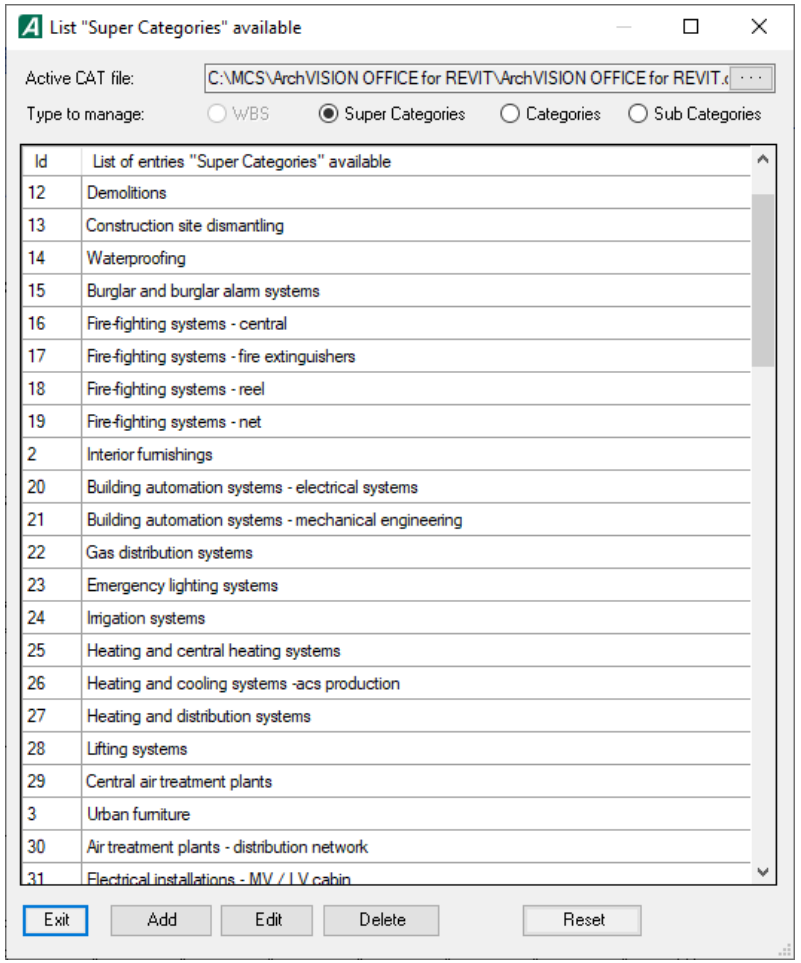


ArchVISION OFFICE for REVIT, also allows quantity take-off organized in **WBS Multi-level coding** by selecting the structure and the value **directly from the customized parameters in existing Revit projects**.

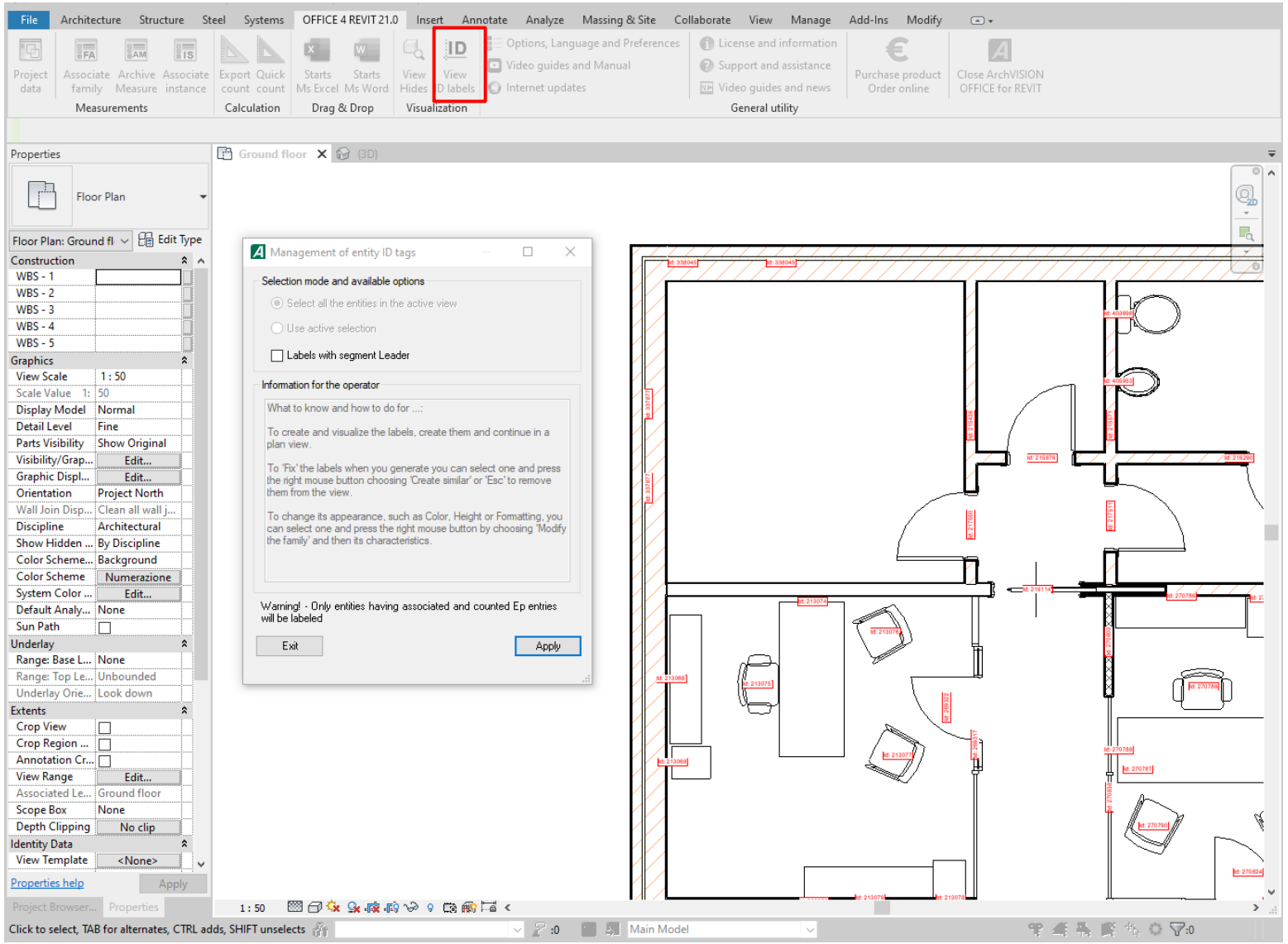


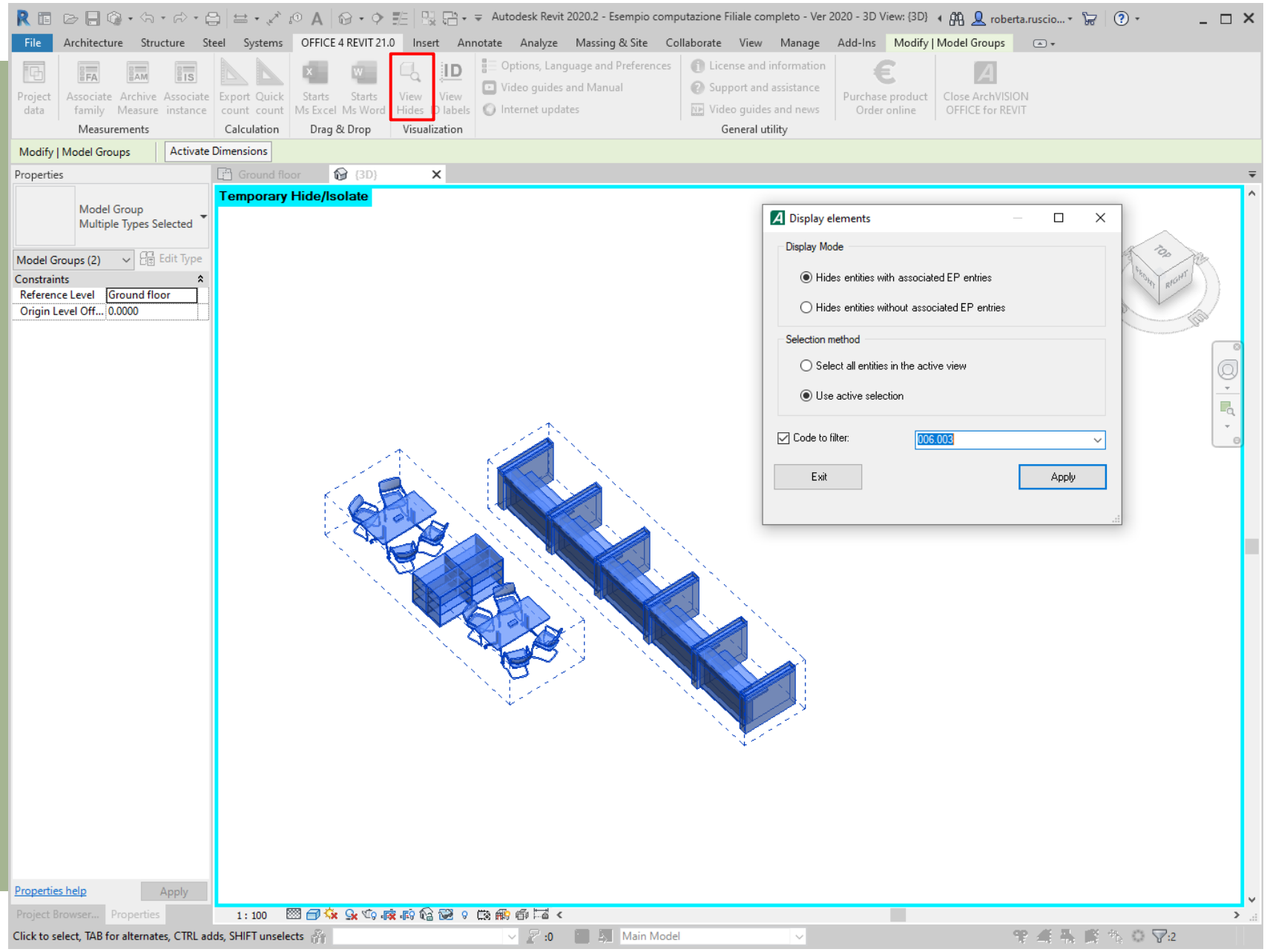
ArchVISION OFFICE for REVIT allows the calculation of structures organized by **Super Categories**, **Categories** and **Sub Categories** and their structure can be managed through special windows and dedicated archives.



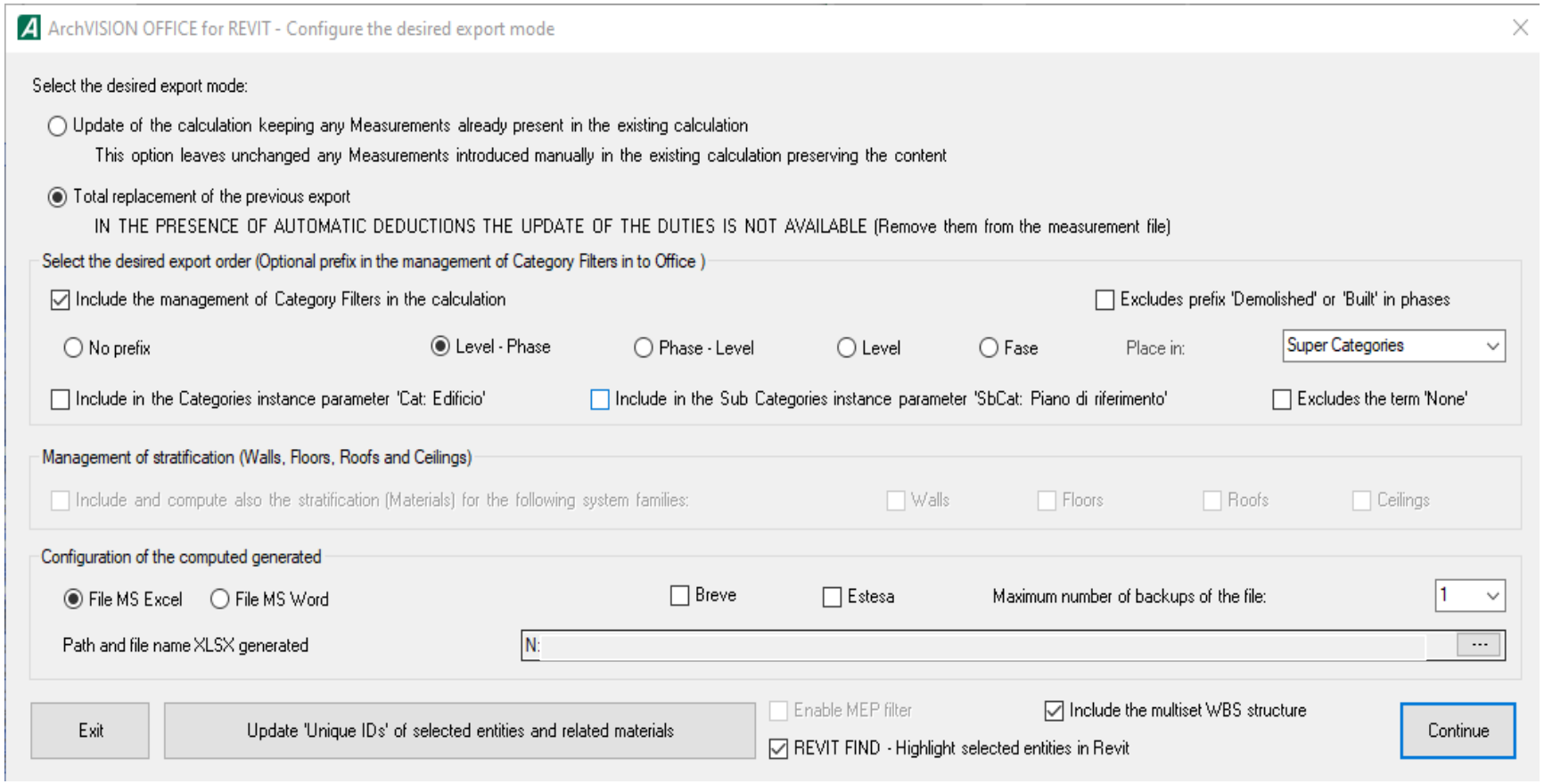


ArchVISION OFFICE for REVIT provides for an easy labeling of the instances (through Instance ID) and of the families already associated with one or more PL items for printing Revit projects and quantity take-offs with precise references, thus being able to understand each item what it refers to even on site.





It is always possible to **hide or display** the families or instances that have already been assigned to one or more voices of PL (Price List) and therefore computable and it is possible to filter the entities also by code.



It is possible to filter the quantity take-off generated also by **Work phases** and **Plans** (Levels in Revit) by placing the computed elements in the appropriate **Super Categories**, **Categories** or **Sub Categories**.

ArchVISION OFFICE for REVIT generates or updates the calculation by detecting changes in the instances already calculated and allows them to be updated, preserving the measurements entered manually by the operator in the existing calculation, allows the activation of the **WBS Multi-level** management the management of **Super Categories**, of the **Categories** and **Sub Categories**, it is possible to filter the calculations by **Phases** and **Levels** and enable the calculation of **MEP** elements

Features summary

Compatible with **Revit from version 2018 up to 2022** and **MS Office (Excel and Word) from version 2007 (and later versions) up to the latest Office 365**.

49 global parameters shared by instance, types and materials including the information of the associated Price List items allowing the creation of customized schedules complete with all billing information.

Possibility of working in a team with full compatibility of the Work-sharing methodology and sharing of the measurements of the price lists of the billing information and of the bills of quantities made in a team also in the **cloud**, a very convenient working method even for individual professionals.

Management of materials and individual layers present in walls, floors, roofs and ceilings with the association to each material of the Price List items associated with it and available in Revit with activation of the **Material Schedules** containing the ID of the single instance and the ID of the single material .

Filter by Code in temporary views by precisely hiding the entities already associated with certain Price List items.

Quick Compute to update the last computation configured with a click.

Revit FIND to select a row of the bill (Excel or Word) and highlight its instance in Revit.

Features summary

Complete management of **customized global parameters** that can also be used in formulas and linked together in even complex combinations (sheet metal development, formwork, special processes, etc.).

Management of topographic surfaces with **calculation of excavation and fill**.

Management of grooves and extrusions for walls and **sloped floors** (screeds).

Complete management of **structural and MEP elements** including electrical elements.

Automatic deduction (configurable according to the measures) of doors and windows.

Possibility to compute MEP elements by associating different **codes according to their size**.

Possibility of calculating, for the same family, several entities with fixed codes **according to their instance parameters and their size**.

Automatic labeling of computed instances for immediate comparisons between computations and tables.

Management of the single **Parts** of the **Paintings** of the **Nested families**, of the **Insulations** and of the Groups.

Licenses available in Subscription (rental plans) dynamic, modern and very versatile and manageable with an **advanced technology in the Cloud** and therefore easily shareable on multiple locations.

Available in professional version for **free evaluation**, educational and for resellers and partners

Compatibility

Autodesk Revit starting from the 2018 version up to the latest **2022 in Italian, English and Spanish**

MS Office from 2007 up to the latest **Office 365 version in Italian, English, Spanish, French and German**

MS Windows 7, 8.1 and 10 in Italian, English, Spanish, French and German

ArchVISION OFFICE for REVIT is available with **an Italian, English, Spanish, French and German interface**.

Note:

It does not work with Revit LT.

No resources and hardware equipment greater than those necessary for Revit operation are required

Free space required at the time of installation 700 Mbytes

MCS Software commercial policy and transparency

Each license includes:

Telephone, e-mail or remote connection *assistance for contextual online support reserved for users covered by an active rental plan.*

Intermediate and release updates *for rental licenses of any updates (provided they are issued and covered by the term of the rental plan)*

ArchVISION OFFICE for REVIT in free evaluation version calculates the first 60 selected entities for 10 days (duration and quantity can be modified as needed)

ARCHVISION
OFFICE FOR REVIT

Distribuzione internazionale

anafyo

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In-depth video guides and tutorials are available on the YouTube channel:

www.youtube.com/user/McsSoftwareSrl

Available on the Autodesk store at the following address:

https://apps.autodesk.com/

Complete availability for remote connections and for live presentations at agreed times without any commitment

MCS Software is available in evaluating the development of customized solutions