

masterspec



Introduction

How MasterKey works

MasterKey Benefits

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Masterspec NextGen2: Live web-based specification management and delivery

Live, fully web-based SQL
database and interface

MASTERSPEC
TECHNICAL
EDITING TEAM

Users access live
browser-based interface



MASTERSPEC
TECHNICAL
EDITING TEAM

Live edit,
browser-based

MASTERSPEC
TECHNICAL
EDITING TEAM

Live reports

Masterspec NextGen2 live user interface

The screenshot displays the Masterspec NextGen2 live user interface. The browser address bar shows the URL: <http://online.masterspec.co.nz/Projects/Spec-Editor-1692fb64a-df84-416c-8c60-84ccc24c5bee-112f0e0e98-1317-499a-b2cf-f42991a29f50-6502.htm>. The interface is divided into several sections:

- Left Sidebar:** A list of project sections, including 'Sunderland House Northshore', 'Residential Consent', 'Specification Work Sections', and various project details like '1220 Project', '1222L Project Personnel LBP's', '1231 Contract', '1232 Interpretation & definitions', '1233 Referenced documents', '1234 Documentation', '1237 Warranties', '1250 Temporary works & services', '1260 Project management', '2310 Foundations', '3153 Tilt-up Concrete', '3410 Structural steelwork - Basic', '3811M MiTek Prefabricated timber trusses', '4131AL Alcoa Volclay tanking', '4131AS Sikaproof® A waterproofing system', '4221HV Herman Pacific Vertical Cedar Cladding System', '4231HA James Hardie Scyon Axon panel cladding', '4241RI Roofing Industries Profiled Metal Cladding', '4311RI Roofing Industries Profiled Metal Roof', '4311RU Roofing Industries Profiled Metal Roof', '4311S Steel and Tube profiled metal roofing', '4331H James Hardie fibre cement decking', '4373V Viking Decking tiles', '4422AM Alcoa Membrane waterproofing Membrane', '4432V Viking Decking waterproofing membrane', '4521 Aluminium windows and doors', '4521PR Fletcher aluminium pacific residence', '4555 Garage', '4721A Austex Quiet acoustic insulation', '4911 Steel mesh', and '5113G plaster finishes'.
- Central Editor Area:** Titled '4221HV HERMAN PACIFIC VERTICAL CEDAR CLADDING SYSTEM'. It includes tabs for 'MANAGE & PRINT', 'VIEW', 'OUTLINE', 'EDIT', and 'SAVE'. The 'GENERAL' tab is active, showing a section description: 'This section relates to the supply and fixing of Herman Pacific (Hempac) cedar cladding:'. It lists related work, documents (referencing NZBC E2/AS1, NZS 3602, NZS 3604, NZS 3617, and BRANZ BU 475), and manufacturer/supplier documents (referencing Herman Pacific Ltd). The 'PRODUCTS' tab is also visible.
- Right Sidebar:** A search bar and a list of related products, including 'Herman Pacific horizontal bevelback', 'Herman Pacific horizontal rusticated', 'Herman Pacific Verticaline', 'Herman Pacific Watershed decking', 'Herman Pacific horizontal cedar cladding system', 'Herman Pacific timber decking system', and 'Herman Pacific vertical cedar cladding system'.
- Bottom Navigation Bar:** Four main sections are highlighted with orange arrows: 'Work section contents & status', 'Work section editor', 'Masterspec source files', and 'Related branded products'.

Work section
contents & status

Work section
editor

Masterspec
source files

Related branded
products

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Masterspec NextGen2: Live web-based specification management and delivery

Live, fully web-based SQL
database and interface



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**MasterKey is an intuitive, dynamic Keynoting system
linking a project's specification to the project drawings**

**MasterKey accurately draws Keynote text directly
from the Masterspec NextGen2 system to create and
manage project keynotes**

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MasterKey interrogates the NextGen2 project to identify changes to Selections each time MasterKey is opened or when initiated by the user

MasterKey displays the changes to the user offering an accept/reject protocol to incorporate changed keynotes throughout the entire drawing set

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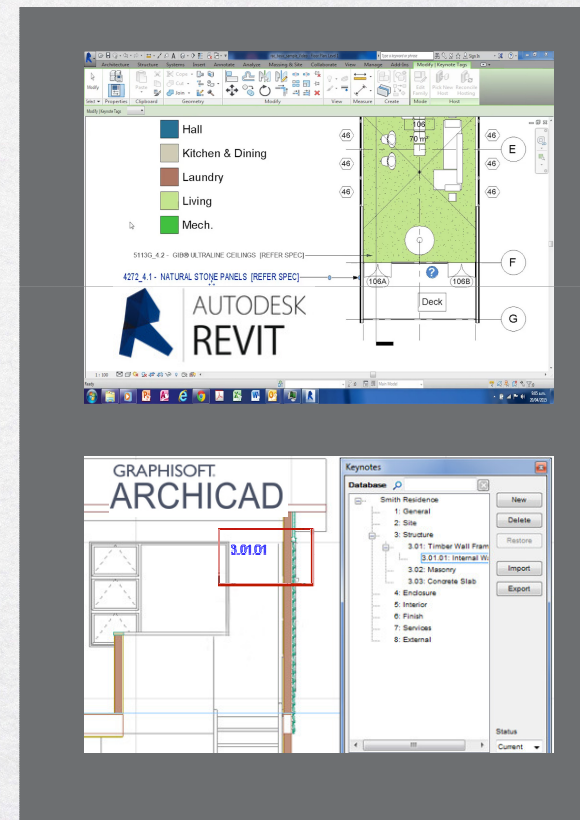
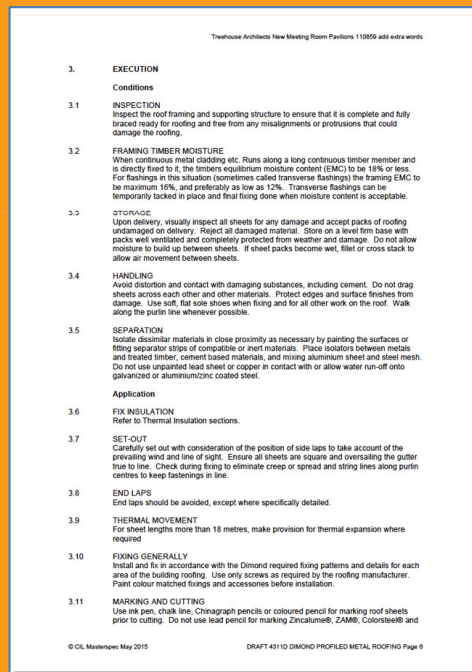


How does MasterKey work?

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The old situation – keynotes are created in Revit or ArchiCAD either before, during or after the specification is written

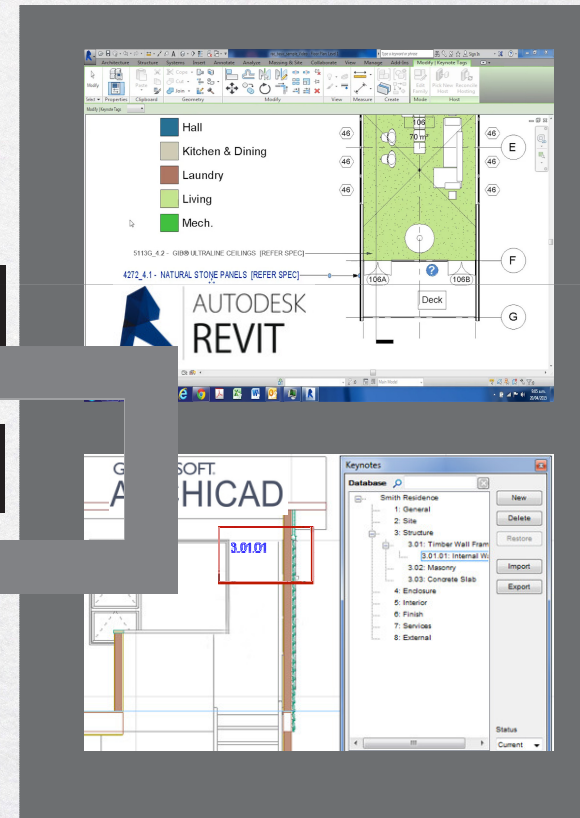
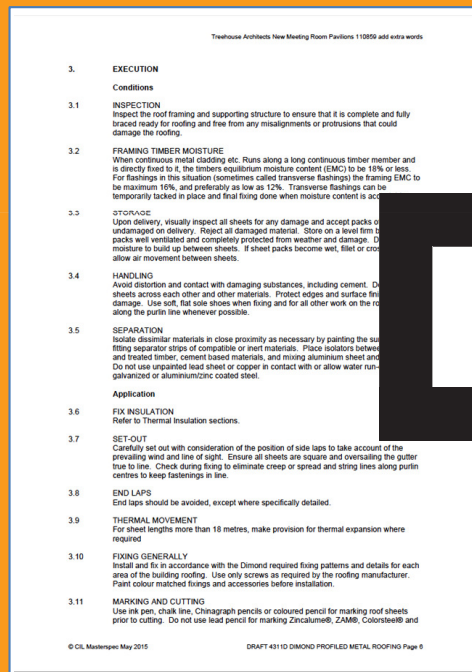
Specification document

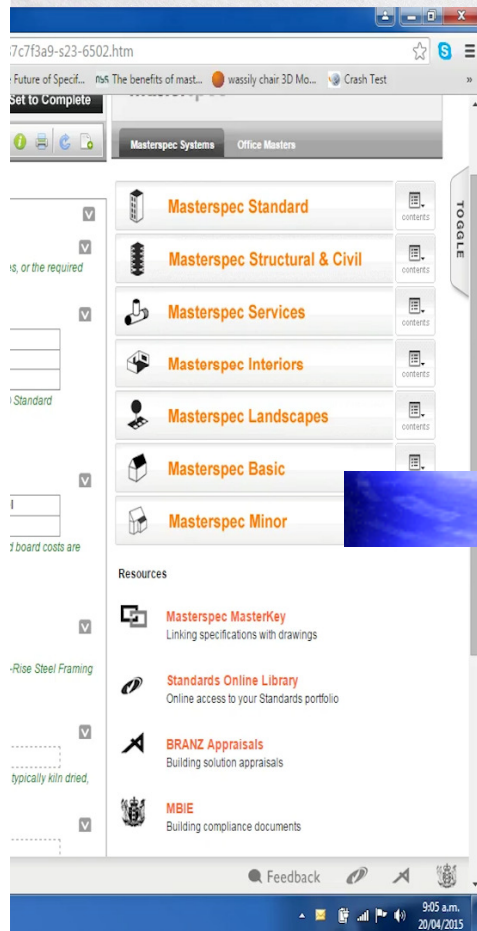


They are essentially created independantly

MasterKey forms a dynamic link between the two

Specification document

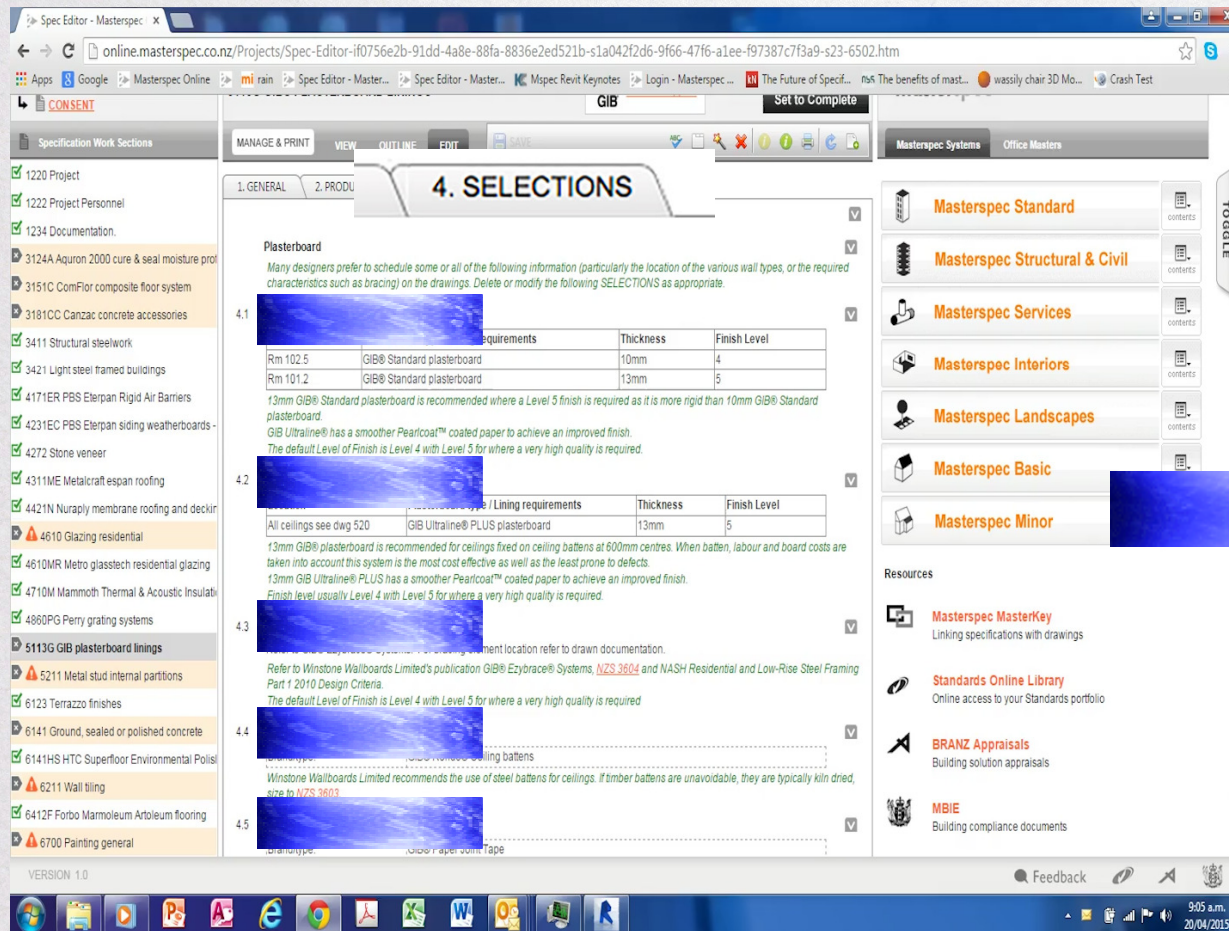




MasterKey creates and dynamically administers Keynotes for the project

Sourcing keynote data directly from the NextGen2 specification

Keynotes mirror the
Part 4 Selections of the
NextGen2 specification



4. SELECTIONS

Plasterboard

Many designers prefer to schedule some or all of the following information (particularly the location of the various wall types, or the required characteristics such as bracing) on the drawings. Delete or modify the following SELECTIONS as appropriate.

4.1

Requirements	Thickness	Finish Level
Rm 102.5 GIB® Standard plasterboard	10mm	4
Rm 101.2 GIB® Standard plasterboard	13mm	5

13mm GIB® Standard plasterboard is recommended where a Level 5 finish is required as it is more rigid than 10mm GIB® Standard plasterboard.
GIB® Ultralite® has a smoother Pearlcoat™ coated paper to achieve an improved finish.
The default Level of Finish is Level 4 with Level 5 for where a very high quality is required.

4.2

Requirements	Thickness	Finish Level
All ceilings see dwg 520 GIB® Ultralite® PLUS plasterboard	13mm	5

13mm GIB® plasterboard is recommended for ceilings fixed on ceiling battens at 600mm centres. When batten, labour and board costs are taken into account this system is the most cost effective as well as the least prone to defects.
13mm GIB® Ultralite® PLUS has a smoother Pearlcoat™ coated paper to achieve an improved finish.
Finish level usually Level 4 with Level 5 for where a very high quality is required.

4.3

Refer to Winstone Wallboards Limited's publication GIB® Ezybrace® Systems, [NZS 3604](#) and NASH Residential and Low-Rise Steel Framing Part 1 2010 Design Criteria.
The default Level of Finish is Level 4 with Level 5 for where a very high quality is required.

4.4

Winstone Wallboards Limited recommends the use of steel battens for ceilings. If timber battens are unavoidable, they are typically kiln dried, size to [NZS 3603](#).

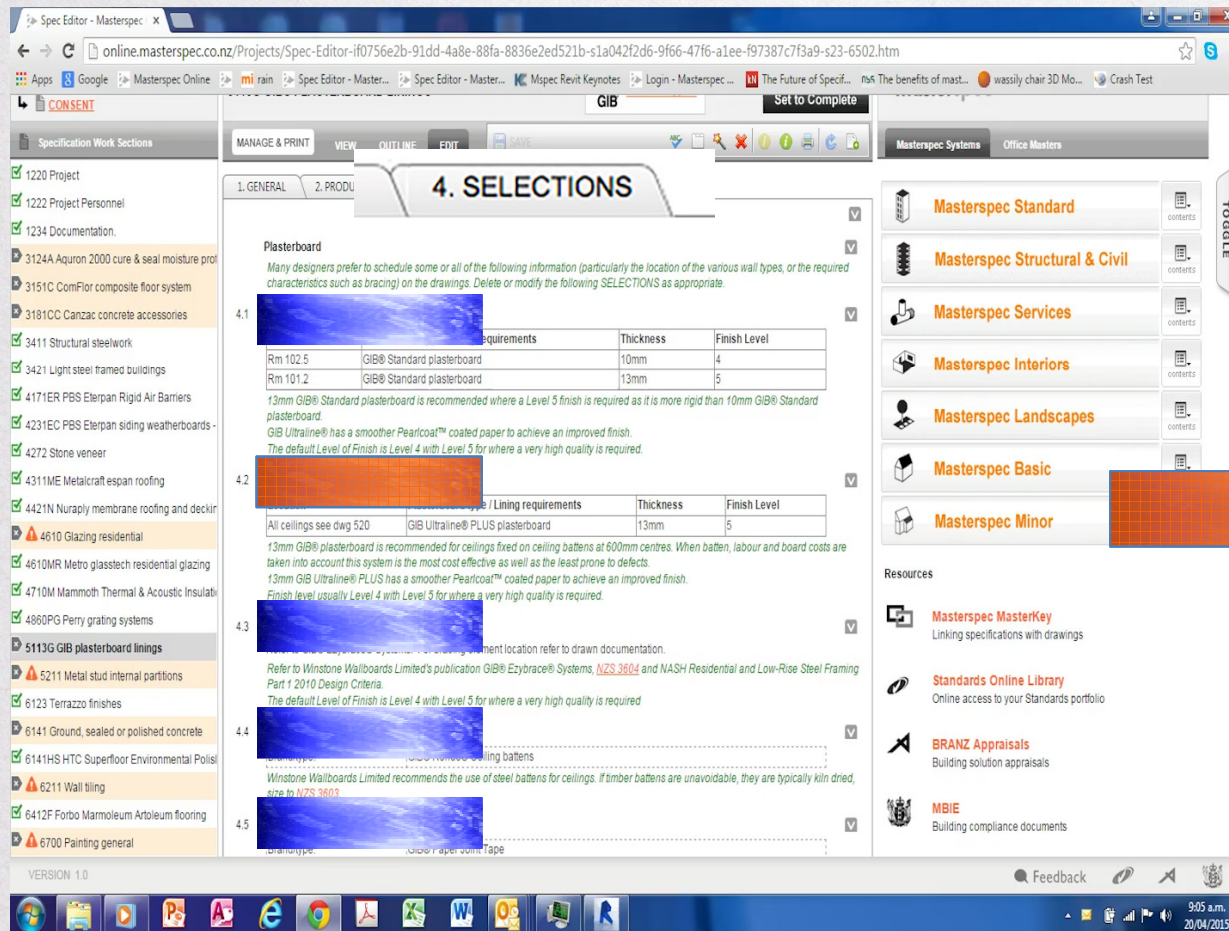
4.5

VERSION 1.0

Feedback

9:05 a.m.
20/04/2015

When a Selection changes it can be shared to the MasterKey database



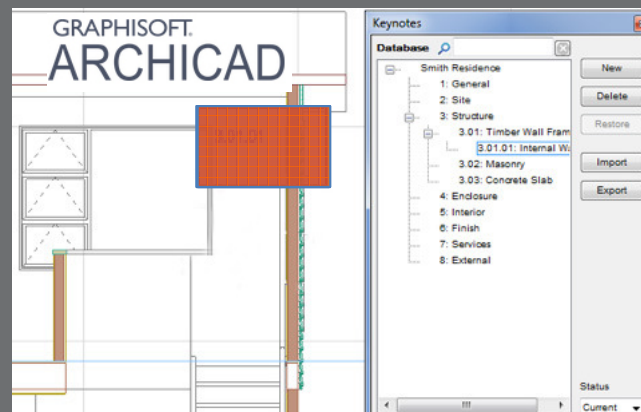
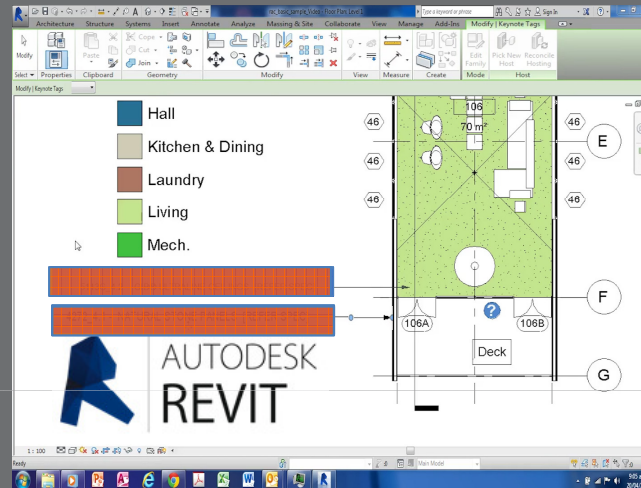
The screenshot shows the MasterKey software interface. The main window displays a project specification document titled "4. SELECTIONS". The document is organized into sections, with "4.1 Plasterboard" being the current focus. A table within this section lists requirements for plasterboard, including thickness and finish level. The table is as follows:

Requirements	Thickness	Finish Level
Rm 102.5 GIB® Standard plasterboard	10mm	4
Rm 101.2 GIB® Standard plasterboard	13mm	5

Below the table, there is a note: "13mm GIB® Standard plasterboard is recommended where a Level 5 finish is required as it is more rigid than 10mm GIB® Standard plasterboard. GIB® Ultralite® has a smoother Pearlcoat™ coated paper to achieve an improved finish. The default Level of Finish is Level 4 with Level 5 for where a very high quality is required."

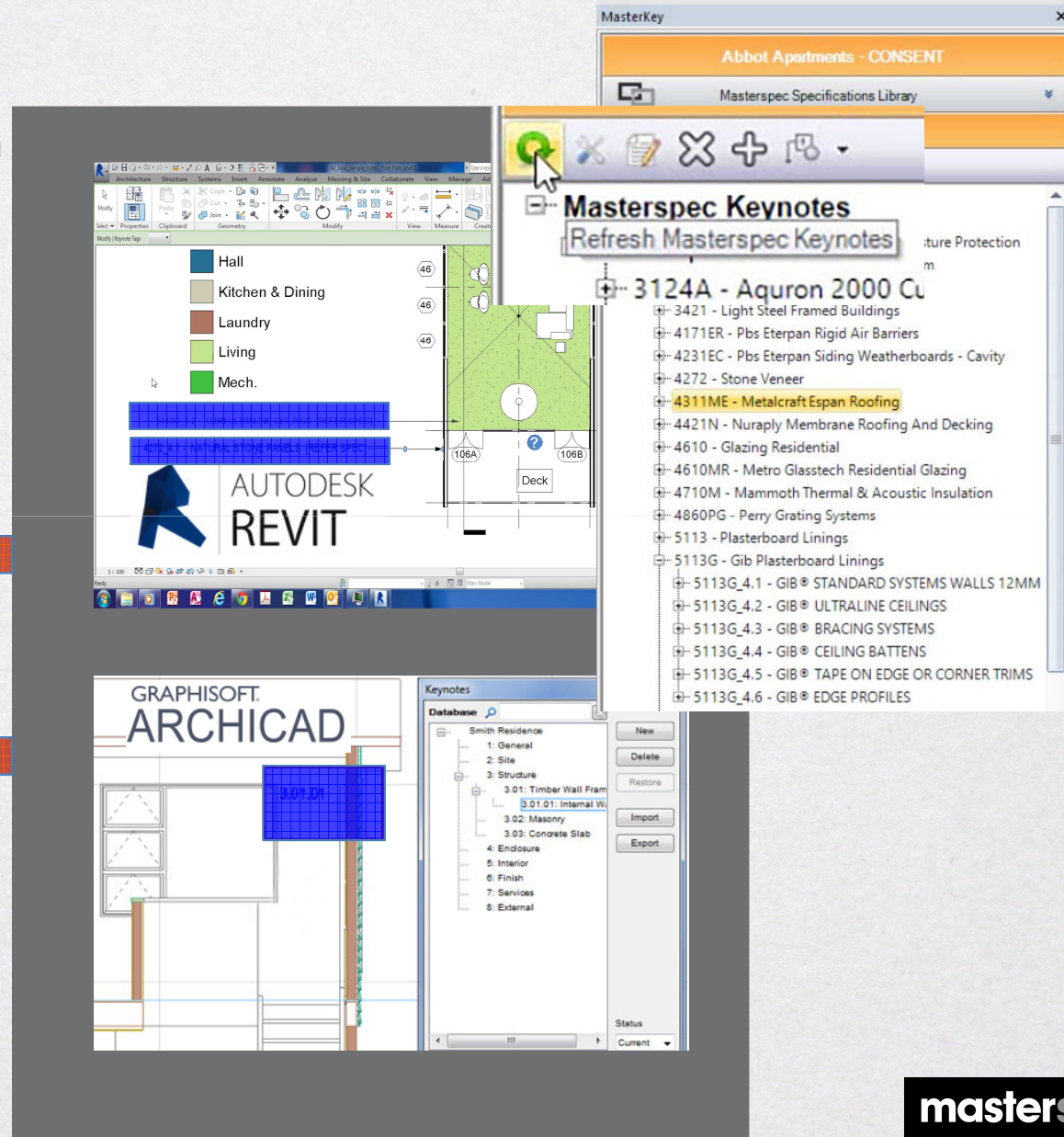
The interface also includes a sidebar on the left with a list of project sections, a top navigation bar with tabs for "MANAGE & PRINT", "VIEW", "OUTLINE", "EDIT", and "SAVE", and a right sidebar with a "TOGGLE" button and a list of resources including "Masterspec Standard", "Masterspec Structural & Civil", "Masterspec Services", "Masterspec Interiors", "Masterspec Landscapes", "Masterspec Basic", and "Masterspec Minor".

When the project is re-opened the system queries the MasterKey database to check for changes



Any changes to selections are pushed through to the Keynotes

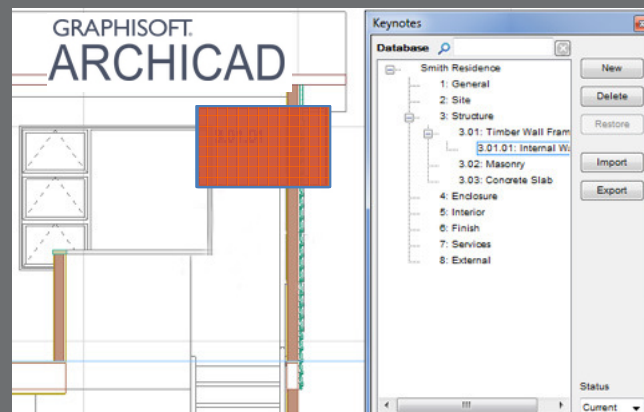
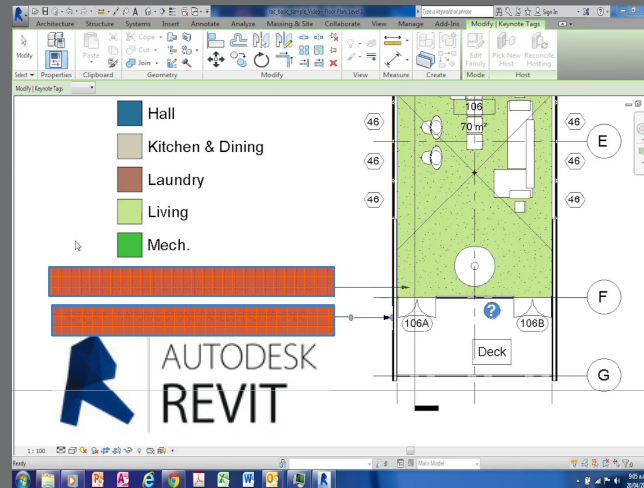
The user can also refresh the link at any time to update the database



Changed keynotes are presented for review and acceptance

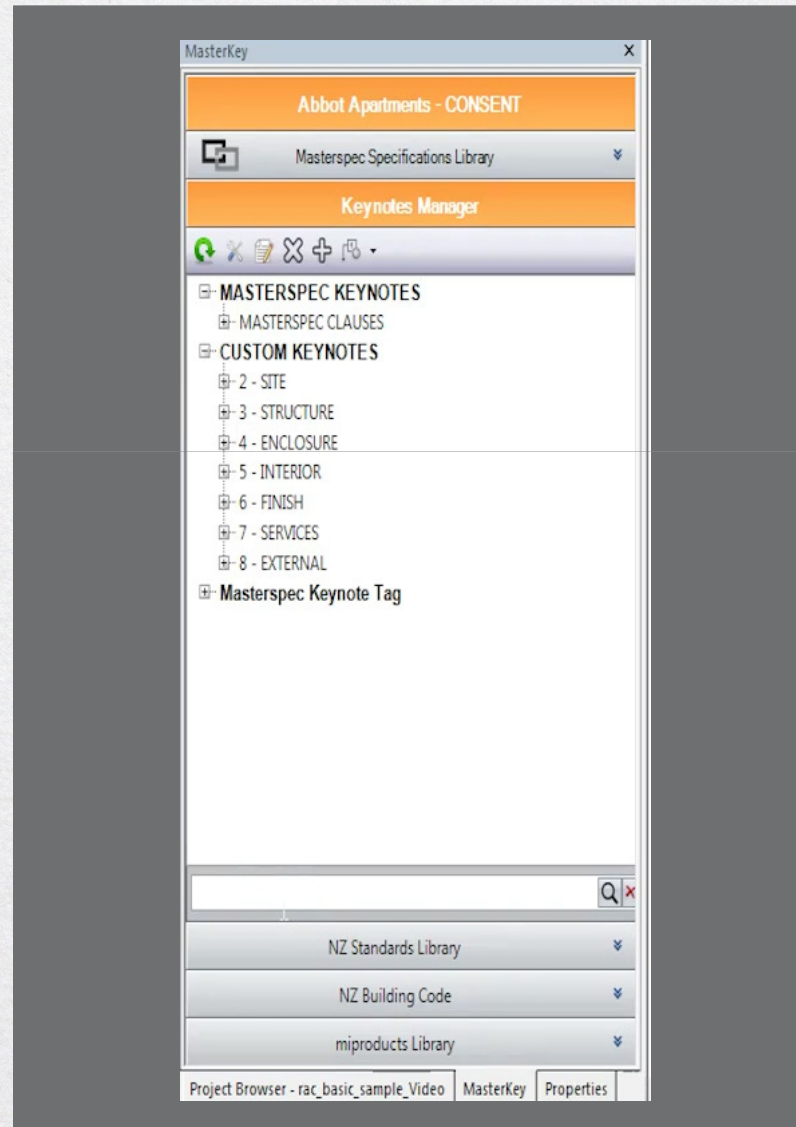
The screenshot displays the MasterKey software interface. At the top, a window titled "MasterKey" shows "Abbot Apartments - CONSENT". Below it, a "Specification Update Report" window is open, featuring a table with columns for specification details and a "Continue to Update" button. In the background, the Autodesk Revit interface is visible, showing a floor plan with a deck area and a list of specifications on the right, including "4311ME - Metalcraft Espan Roofing" and "4421N - Nuraply Membrane Roofing And Decking". In the foreground, the Graphisoft ArchiCAD interface is shown, displaying a floor plan with a red-outlined area. Overlaid on the ArchiCAD window is a "Keynotes Review" window, which lists keynotes for review, such as "3360: Stone", "3360 4.1: STONE [refer spec]", "3360 4.2: FLEXIBLE DAMP-PROOF MEMBRANE", and "3360 4.5: ANCHORS, CRAMPS, DOWELS [refer spec]".

Changed keynotes are
populated throughout
the drawing set

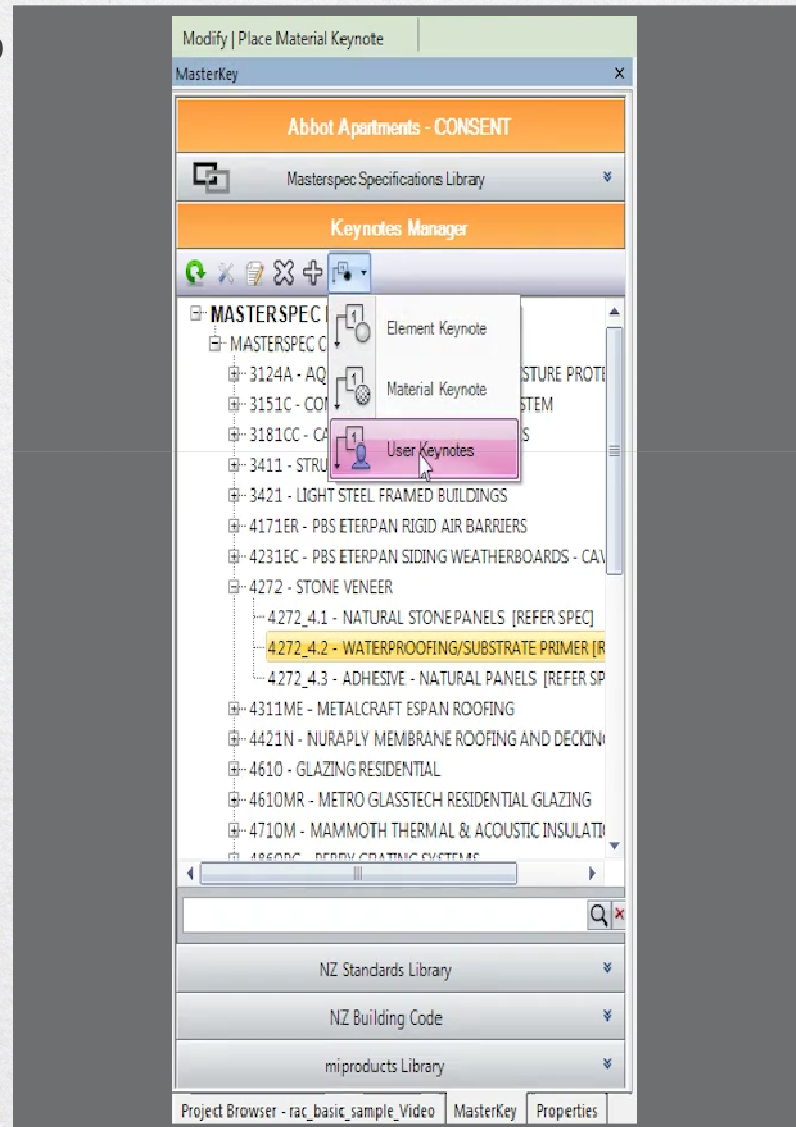


MasterKey allows you to import your own practice keynotes and place them into the project.

It also has a customisable Keynote Tag in the Masterspec format for editing and placement



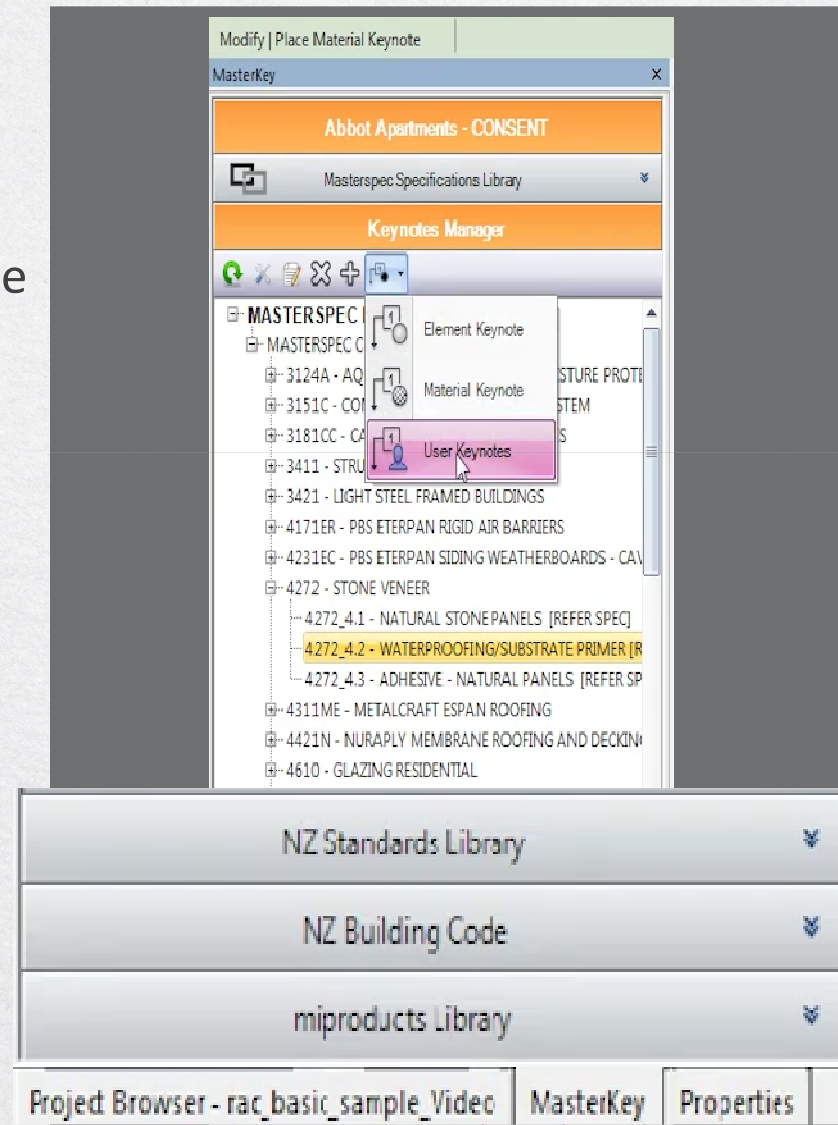
MasterKey allows you to place Element, Material and User Keynotes



MasterKey also
allows access to

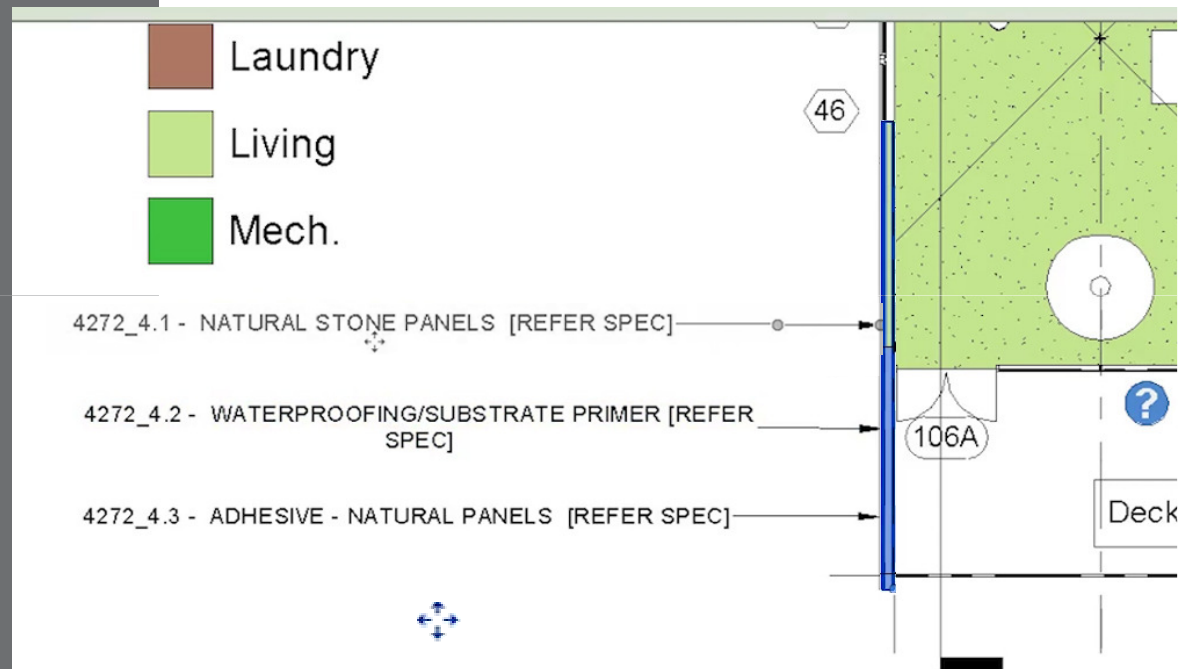
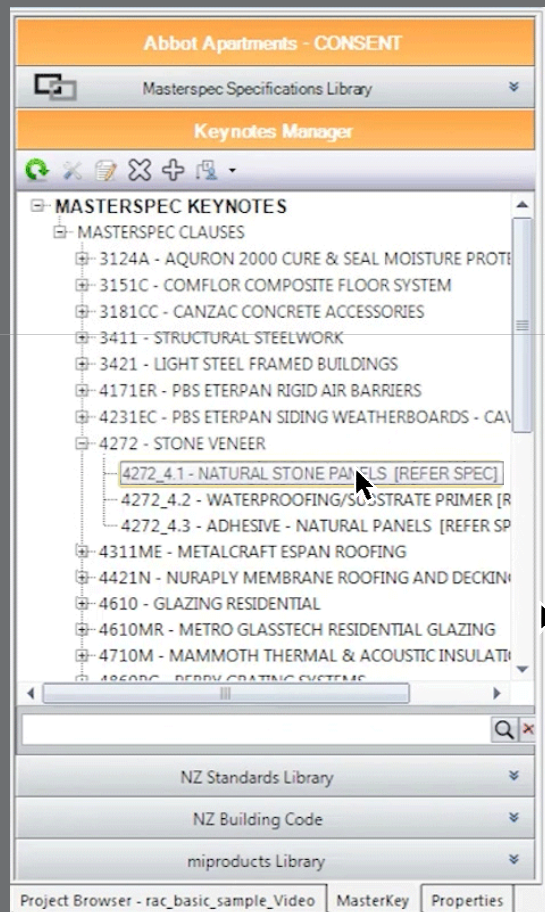
- NZ Standards
- The NZ Building Code
- the miproducts
product database

without leaving the
workspace.



MasterKey drag 'n drop updating

The keynote will update
Search the keynote library to update
throughout the drawing set



Summary

MasterKey combines the accuracy of Keynotes with the power and ingenuity of the Masterspec NextGen2 operating platform

MasterKey dynamically connects a Revit® 2015 and 2016 or ArchiCAD® 18 project with a Masterspec NextGen2 specification document

Draws correctly numbered keynotes directly from the Masterspec system into a project

Updates changes from the specification throughout the drawing set

Questions