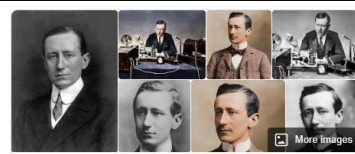# BIMrx.Marconi

BIMrx.Marconi is a web application hosted in Microsoft Azure that allows direct interoperability with a local Revit session over the web.

BIMrx.Marconi 4 Revit

Log out About

... back to Schedules

Space Schedule

Level	Number	Name	Calculated Supply Airflow	Actual Supply Airflow	Airflow Delta
Level 1	28	Technology	90.6 L/s	150.0 L/s	59.4 L/s
Level 1	27	Cleaning	84.7 L/s	200.0 L/s	115.3 L/s
Level 1	30	Washing Room	3.3 L/s	200.0 L/s	196.7 L/s
Level 1	25	Washing Room	3.4 L/s	200.0 L/s	196.6 L/s
Level 1	26	Cleaning	98.6 L/s	200.0 L/s	101.4 L/s
Level 1	23	WC	55.7 L/s	0.0 L/s	-55.7 L/s
Level 1	21	Archive	144.9 L/s	150.0 L/s	5.1 L/s
Level 1	20	MZR	703.3 L/s	875.0 L/s	171.7 L/s
Level 1	51	WF	210.7 L/s	225.0 L/s	14.3 L/s
Level 1	49a	Corridor	368.6 L/s	0.0 L/s	-368.6 L/s
Level 1	49b	Corridor	637.4 L/s	825.0 L/s	187.6 L/s
Level 1	4	Workshop	573.9 L/s	600.0 L/s	26.1 L/s
Level 1	113	Power Riser	191.8 L/s	300.0 L/s	108.2 L/s

Sidebar: 213-581-5561, Sheets, Schedules, Families, MEP Systems, Assemblies, GraphQL

Jailbreak Revit

Microdesk introduces a novel workflow that frees Revit from its traditional limitations offering bi-directional interoperability over the web. With a single add-in we enable access to the full extent of the Revit API.

Revit users can retrieve Marconi Numbers for secure one-time sessions that allow accessing of schedules, entering of parameters directly from and into a local Revit session in real time.
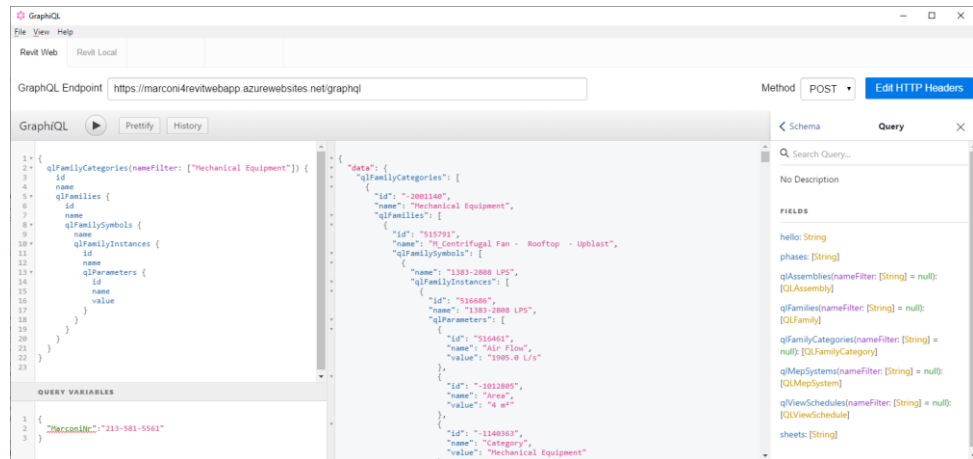
This system facilitates information exchange only – no data is stored in the cloud. It works just like a phone: once you're done, you hang up. Easy.

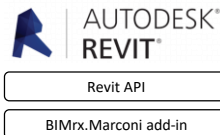Join the BIMrx.Marconi community!

Open GraphQL WebApi

Our Revit API GraphQL resolver is open source. Functionality will be added as the system grows, i.e. queries and mutations.

Application possibilities include dashboards, mobile applications, data gathering workflows...
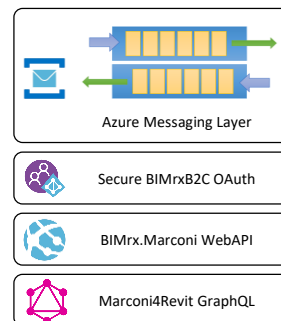

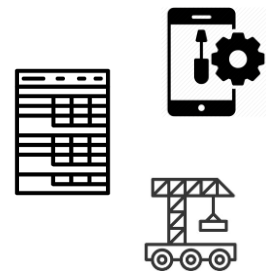## Architecture and Information Flow Diagram

- Revit sign-in
- Revit opens channel
- Web sign-in
- Web posts Request
- Revit receives Request
- Revit posts Response
- Web receives Response
- Revit closes channel

Local Revit Session

AUTODESK REVIT

Revit API

BIMrx.Marconi add-in

Microsoft Azure

Azure Messaging Layer

Secure BIMrxB2C OAuth

BIMrx.Marconi WebAPI

Marconi4Revit GraphQL

Remote Applications