

# Mapping Utilities

**Welcome**

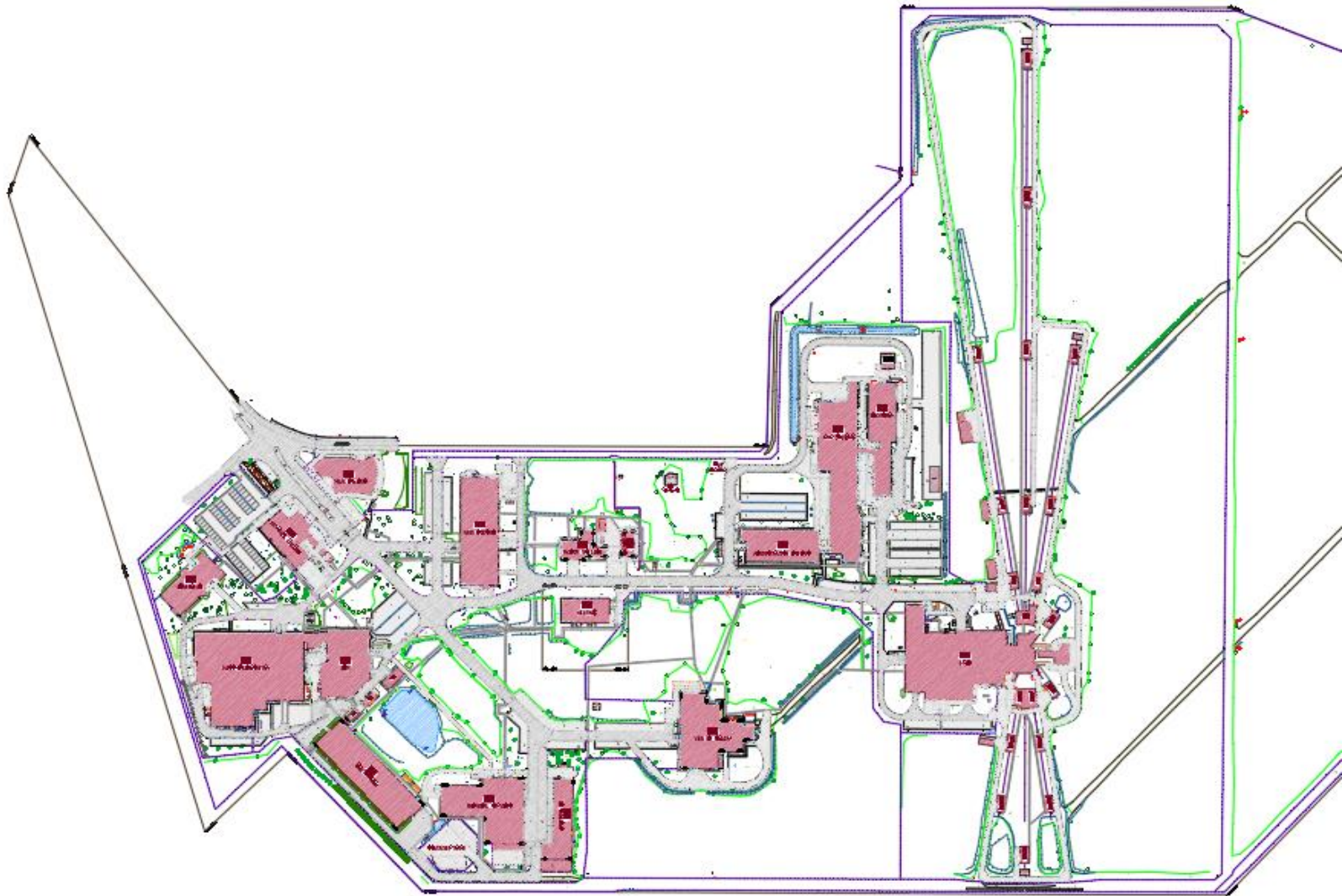
**19/04/2018**

**General**

# Mapping Utilities



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# History

*Too many drawings to choose from*

- Latest drawing?
- As-built?
- Correct drawing?
- ...

# Solution

## ***BIM*** (***Building Information Management***)

- As-built drawings
- Data (in REVIT 3D model)

## ***Vault*** (***AIM: Asset Information Management***)

- MOC (management of changes)
- Data (outside 3D model)

## New situation

*Only a number of plans in the folder:*

*Civil: floorplan of each floor (with room numbers)*

*Electrical: floorplan of each floor (with elec. equipment)*

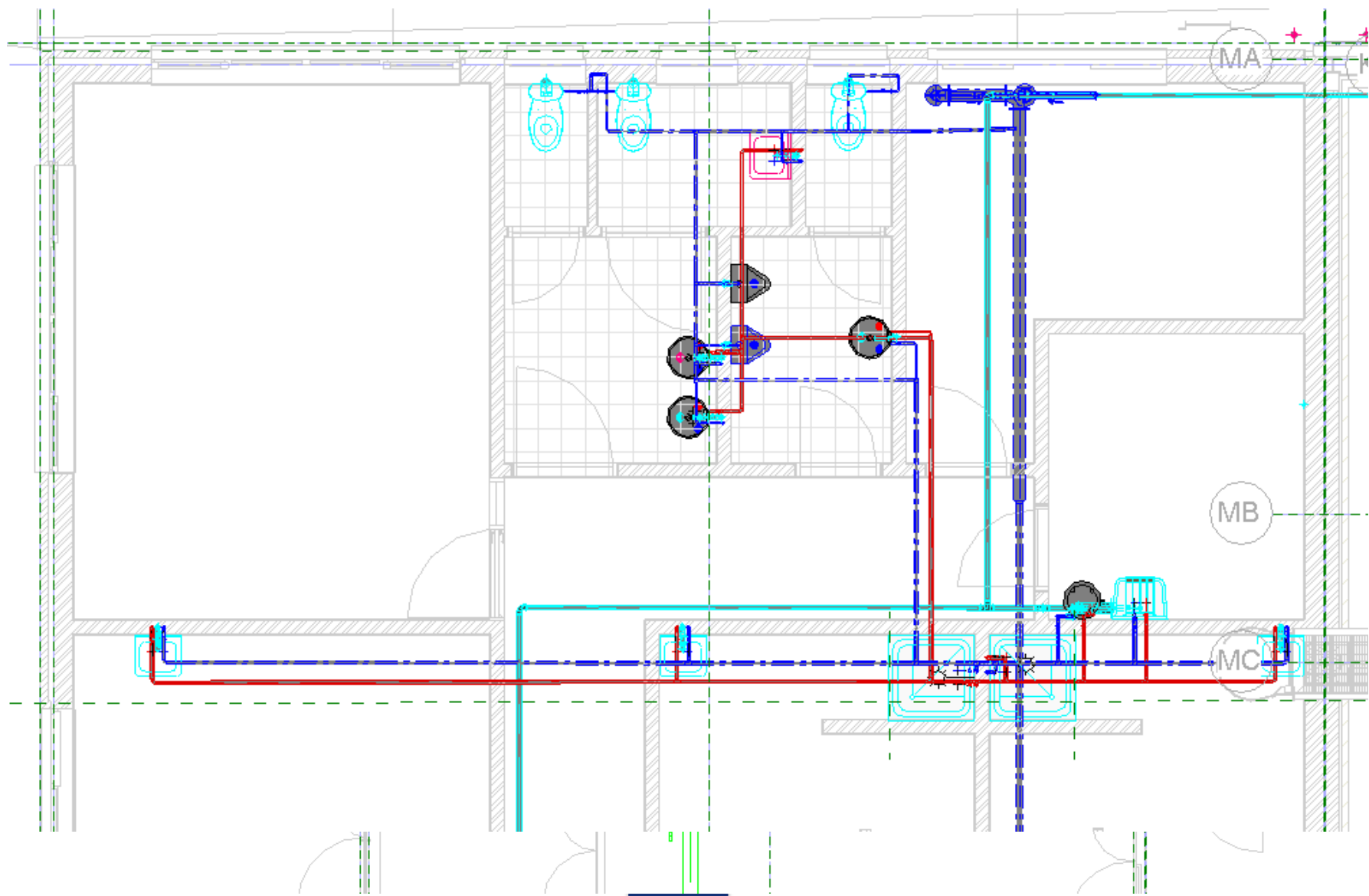
*HVAC: floorplan of each floor (with mech. equipment)*

*Plumbing: floorplan each floor (with all sanitary equipment)*

*Sections, 3D views and detail drawings upon request  
(OTRS)*



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## New Situation:

*All drawings will be stored in a centralised environment → AutoDESK VAULT<sup>®</sup>*

*The folder 'U:\DWG\02 Released DWG' will still be accessible.*

*All "as-built" files will be available in PDF and DWFx, and will be updated when needed.*

*DWFx files are viewable in window explorer and via Design Review ("redlining" possible).*



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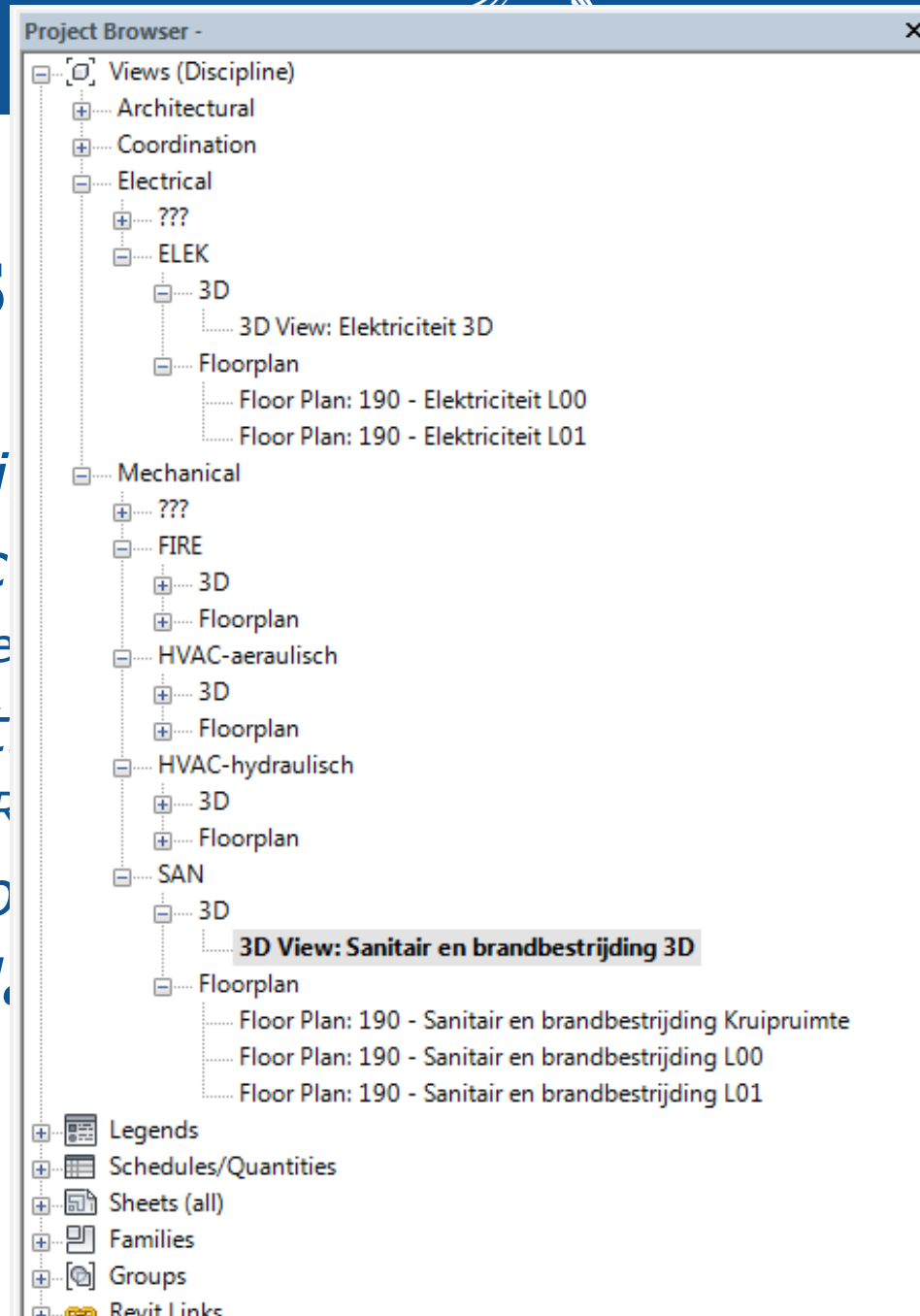
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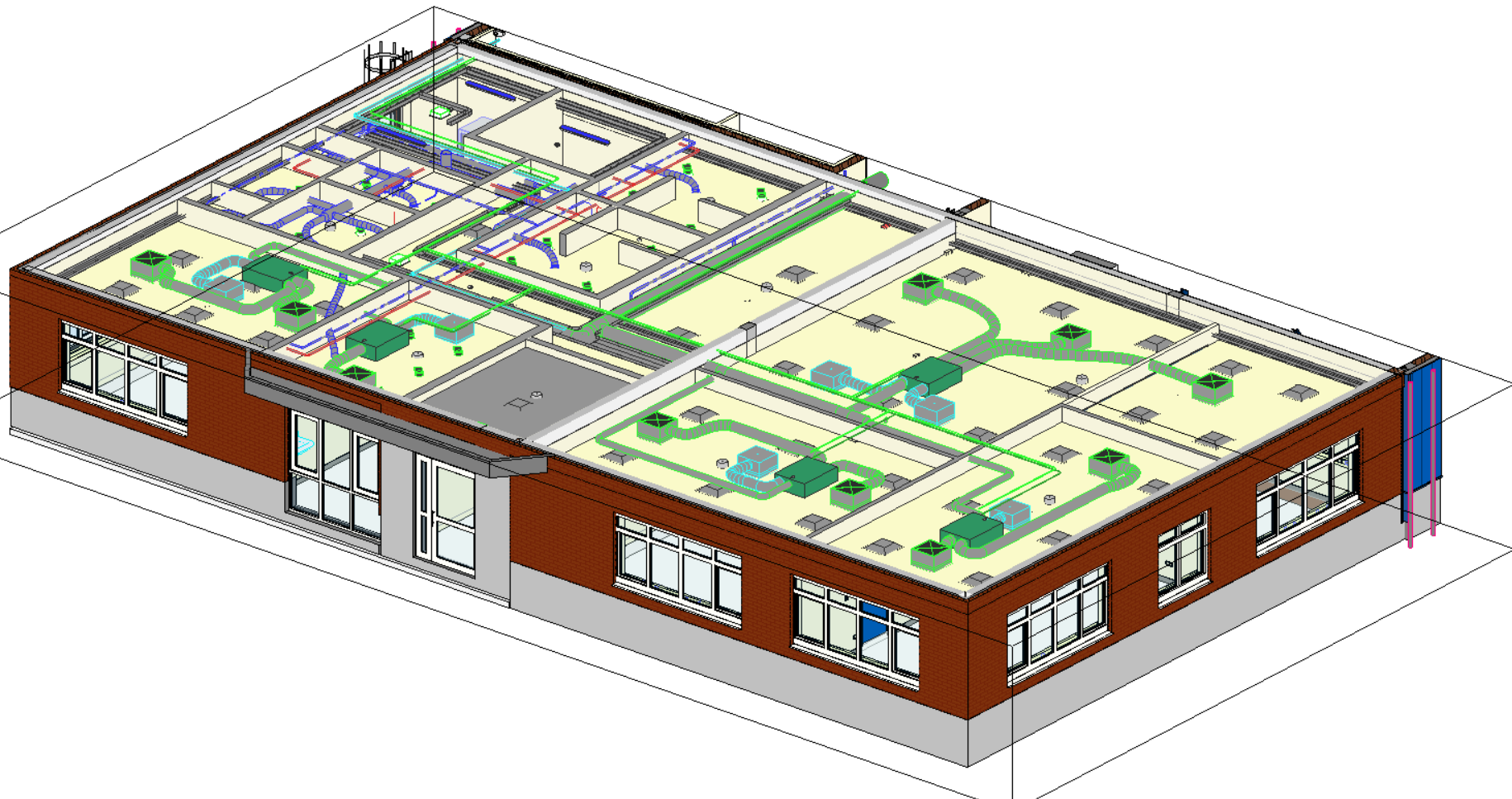
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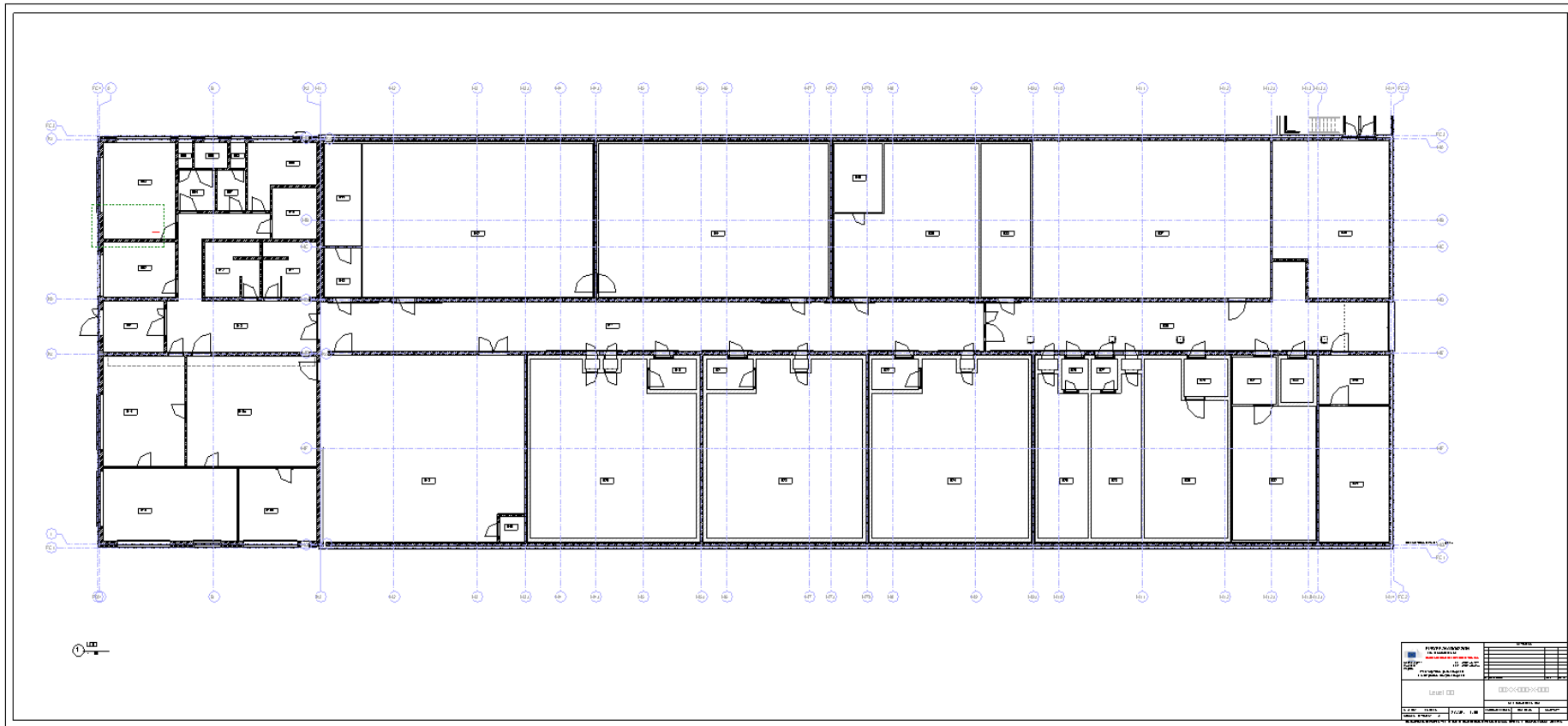
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# 3D examples







Example: **20RG-190-A-P-L00-001.dwg**

# Drawings

*All names will be according Work Instruction:  
**IMS-GEE-S6.2-WIN-0006***

*All lay-out drawings will be on scale 1:50*

*If other scales are needed they will be made  
upon request (OTRS)*

Civil

# Mapping Utilities

Plan number	schaal	Name	Date last Revision	Index	Description	Datum uitgave 1	Datum uitgave 2	Datum uitgave 3	Datum uitgave 4	Datum uitgave 5	Datum uitgave 6	Datum uitgave 7	Datum uitgave 8	Datum uitgave 9	Datum uitgave 10	Datum uitgave 11	Datum uitgave 12
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# Civil: Area's / Surfaces

*For easier facility management a schedule can be retracted for surfaces, area's and volumes:*

*Example: wall surface for room 190-00-016a:*

<IRMM_Wall Schedule>					
A	B	C	D	E	F
BuildingNr	Base Level	RoomNumber	BBSFBCode_	Material: Name	Material: Area
Pleisterwerk_Verflaag_Gebroken wit					
190	L00	016a	42.-.50.0.	Pleisterwerk_Verflaag_Gebroken wit	7.12 m <sup>2</sup>
190	L00	016a	42.-.50.0.	Pleisterwerk_Verflaag_Gebroken wit	14.74 m <sup>2</sup>
190	L00	016a	42.-.50.0.	Pleisterwerk_Verflaag_Gebroken wit	7.49 m <sup>2</sup>
190	L00	016a	42.-.50.0.	Pleisterwerk_Verflaag_Gebroken wit	16.88 m <sup>2</sup>
Grand total: 4					46.24 m <sup>2</sup>



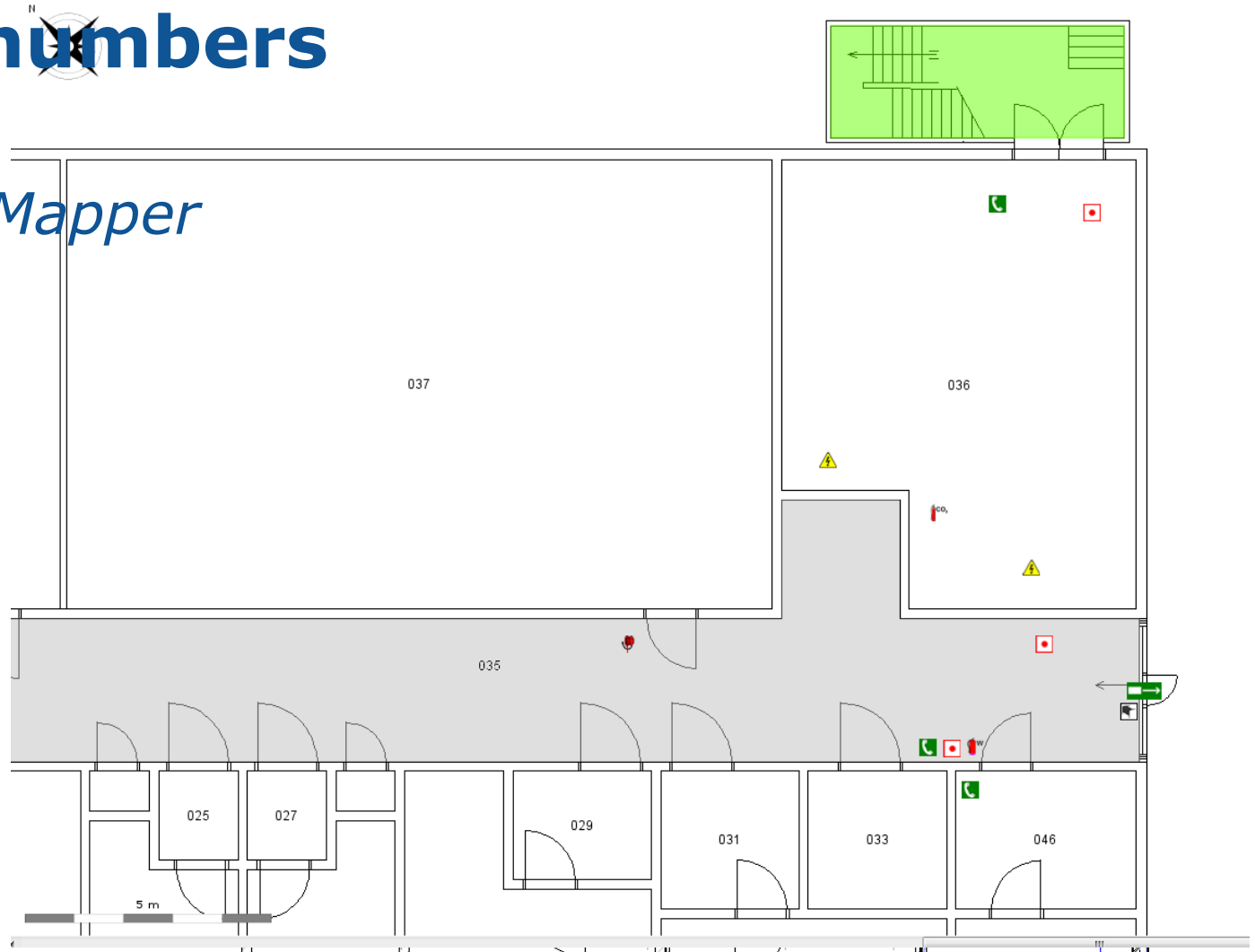
# Civil: Area's / Surfaces

*Example floor area of the offices on the ground floor:*

<JRC-Geel_offices>						
A	B	C	D	E	F	G
floor	Room number	Room type	surface	perimeter	Height	Volume
L00	014	Office	31.70	22.72	250	78.62 m³
L00	015	Office	33.86	24.54	250	83.96 m³
L00	016a	Office	50.35	28.47	250	124.86 m³
L00	016b	Office	19.61	17.74	250	48.63 m³
Grand total: 4			135.51			336.07 m³

# Roomnumbers

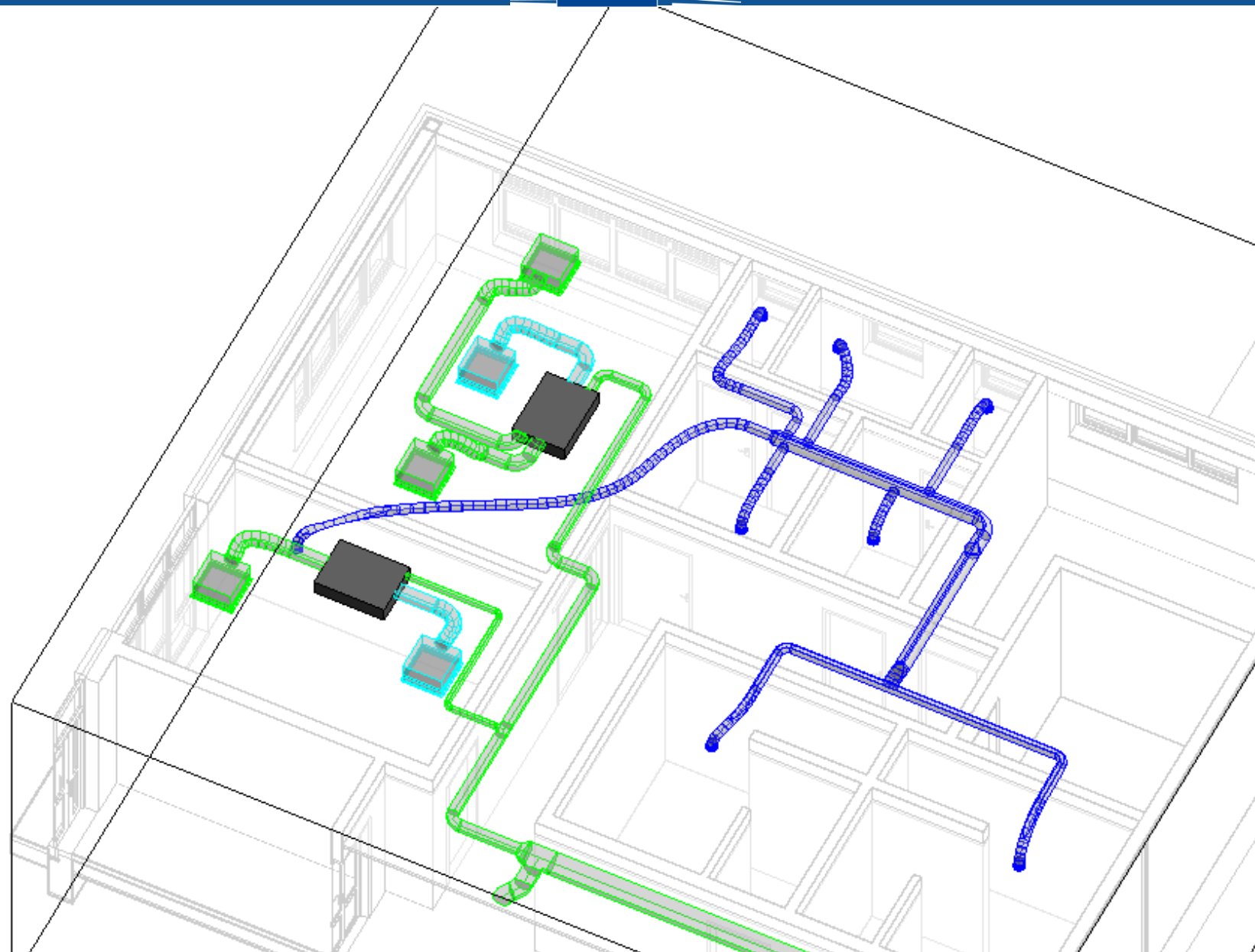
*Cfr IOS Mapper*



# Mapping Utilities

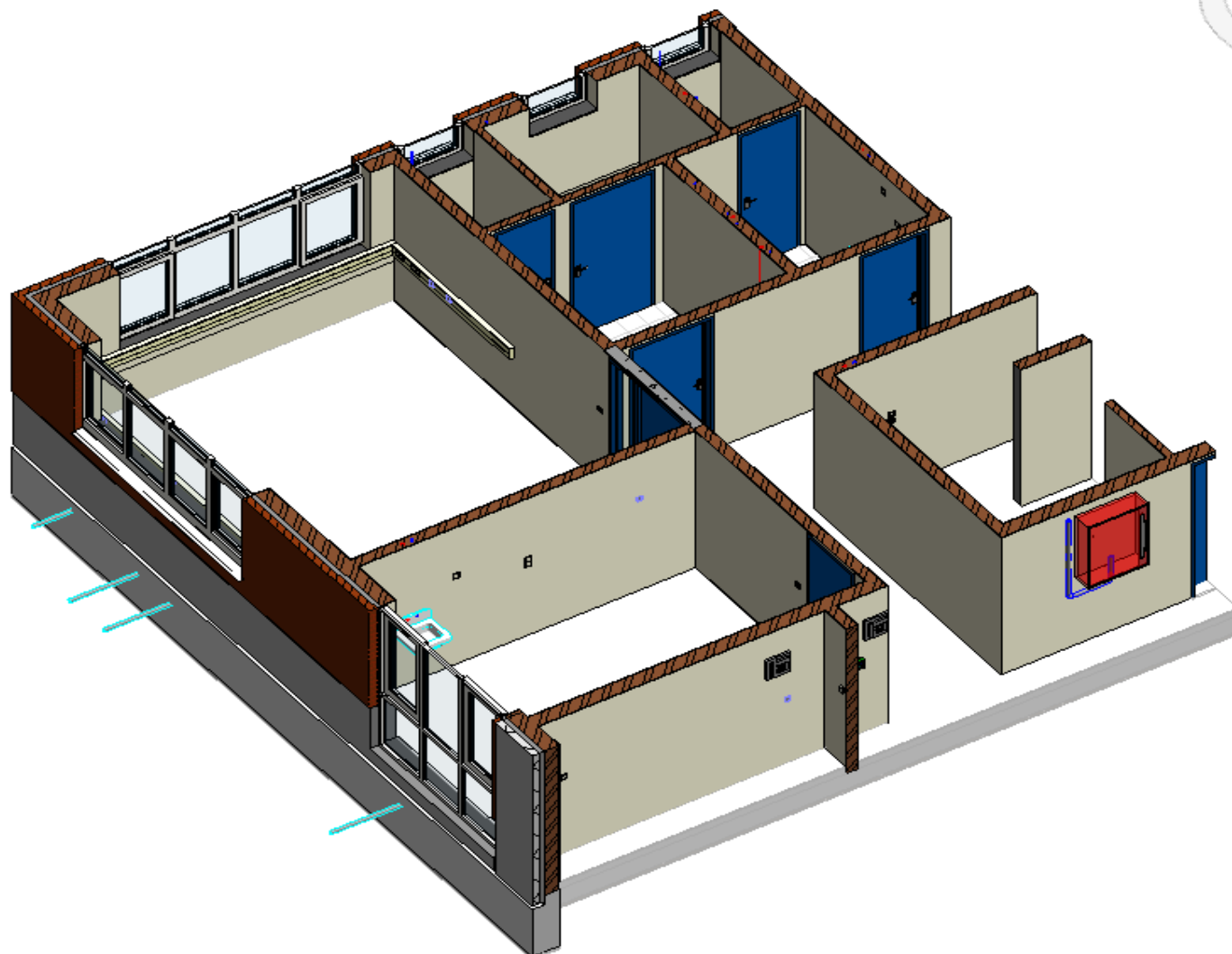
## MEP

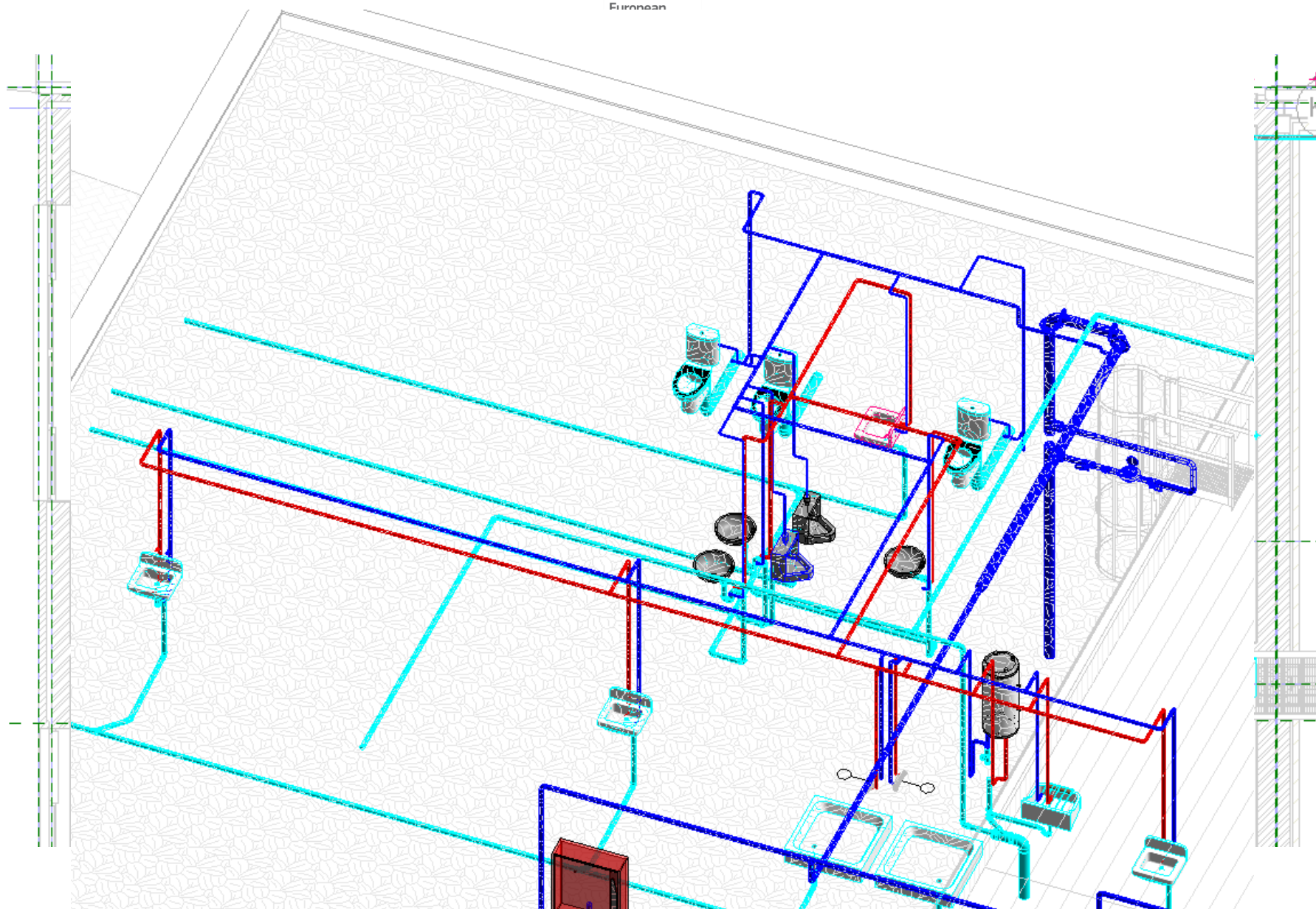
- **Mechanical: HVAC**
- **Electrical**
- **Plumbing**





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# Thank you for listening !

*If you have any questions or you want to have additional information on this subject, feel free to contact me and we can have a look into your needs.*

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# Any Questions?

