

# Fabrication MEP DB Deployment - How All Those Folders Work FAB323116

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## Mechanical Contractor

HVAC Sheet Metal & Piping  
and Plumbing Fabrication &  
Construction

Design-Build Engineering

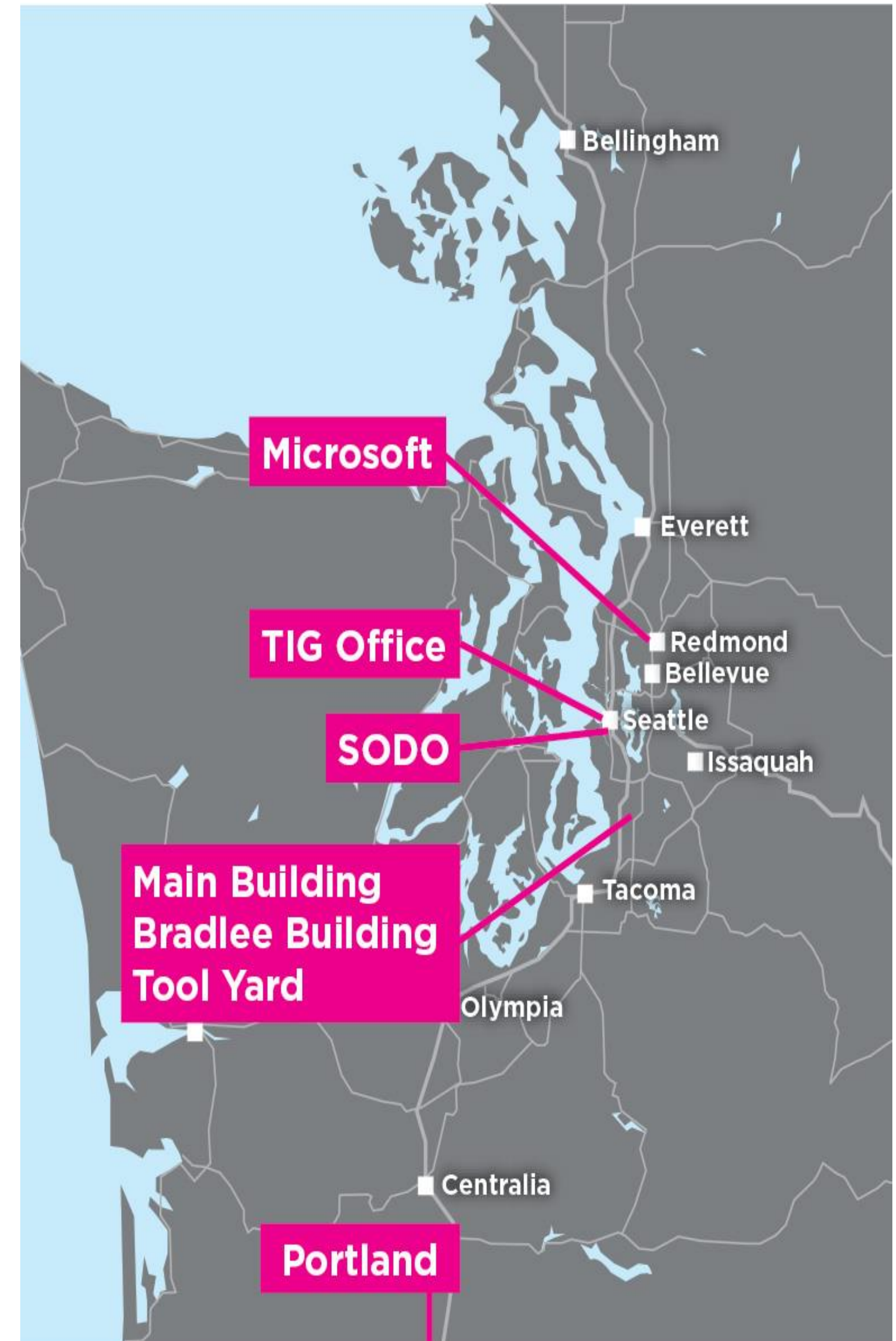
Service & Maintenance

## Hermanson Statistics

\$250 Million Annual Revenue

550 Employees

Eight Locations including  
office, fabrication shops, &  
warehouse / distribution  
centers







# **Hermanson**

**Darren Young / Seattle, Washington**

Husband/Father (1 Wife / 2 Boys / 1 Girl)

Pet Owner (2 Dogs / 1 Cat / 3 Fish)

YMCA Swim Official

Technology Enthusiast / Skeptic

Hockey Fan / Do-It-Yourselfer / Outdoorsman

Lean / Coding / Manufacturing

# Learning Objectives

✓ Learn about database folders and how they work

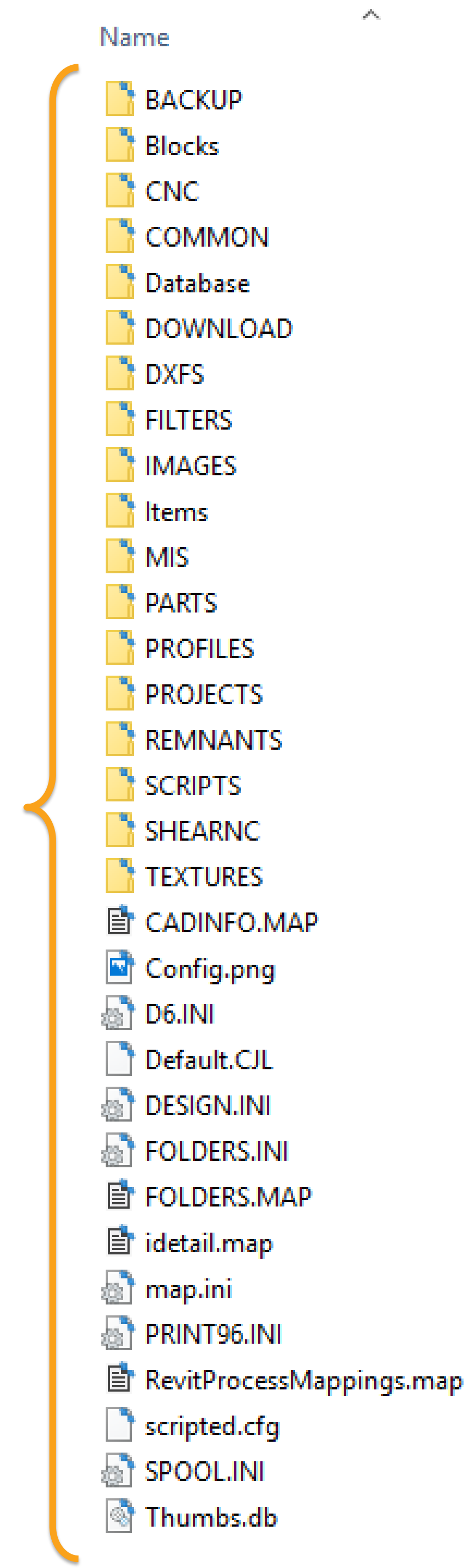
✓ Learn about local versus network versus hybrid deployments

✓ Learn how to insulate users from inadvertent changes

✓ Learn about supporting multiple locations

# Database Configuration Folders

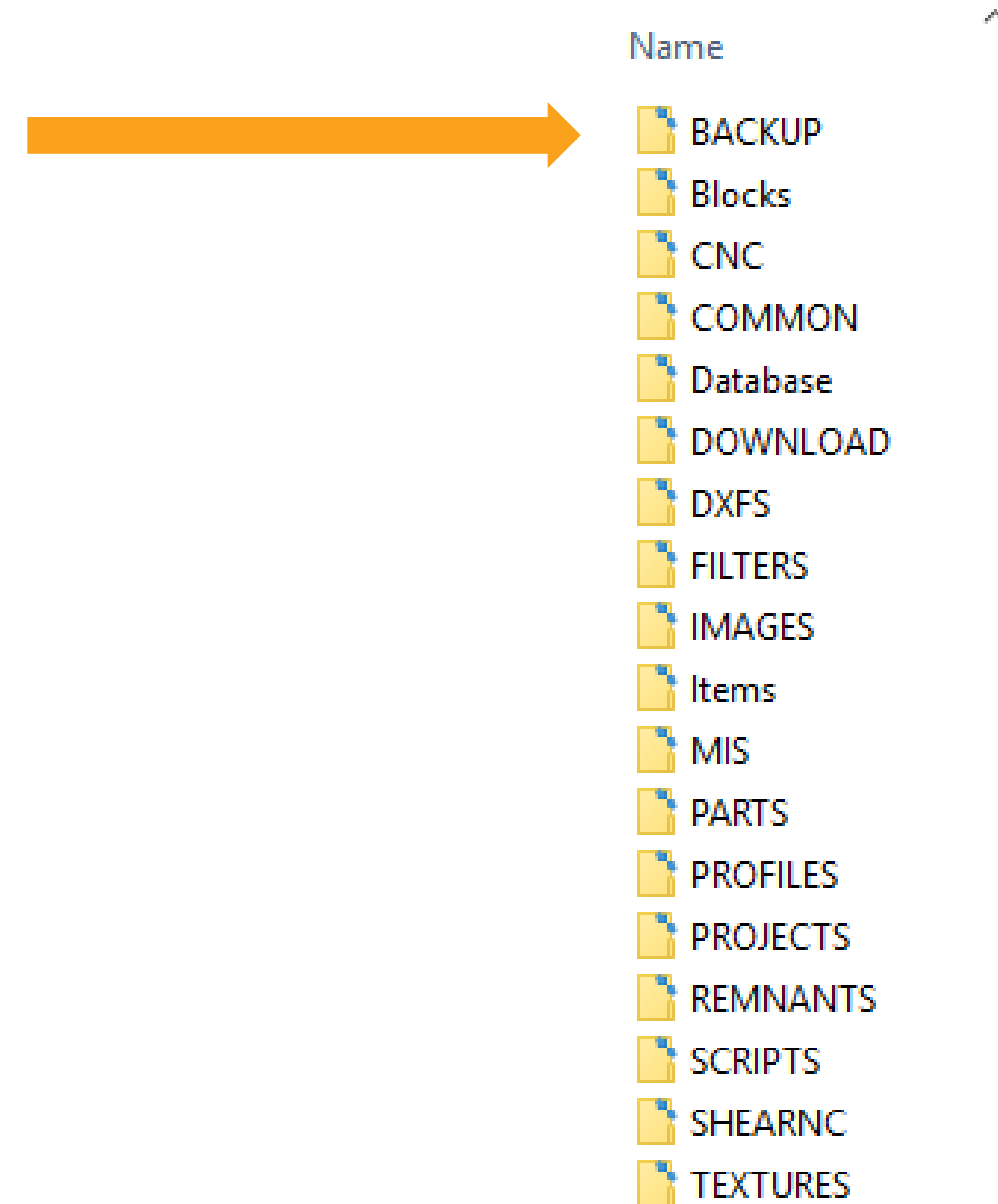
Root Database Folder (where MAP.INI is located).  
Configuration Selection in programs displays  
Configurations where MAP.INI is located.



# Database Configuration Folders

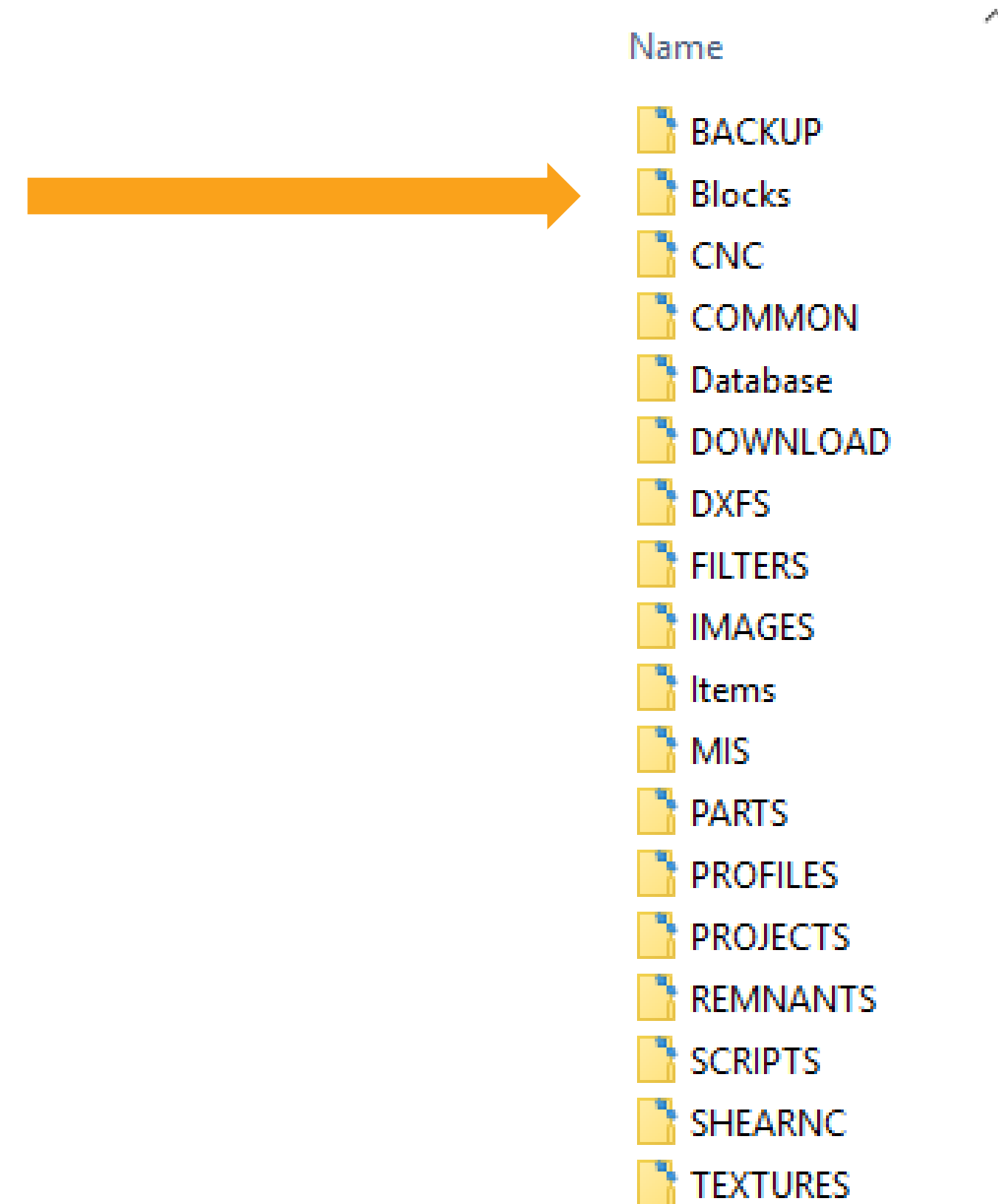
Location for automatic backup files (MAJ/ESJ )  
created my CAMduct and ESTmep.

Recommended to change to another location.  
Job data should not be stored in your  
database configuration.



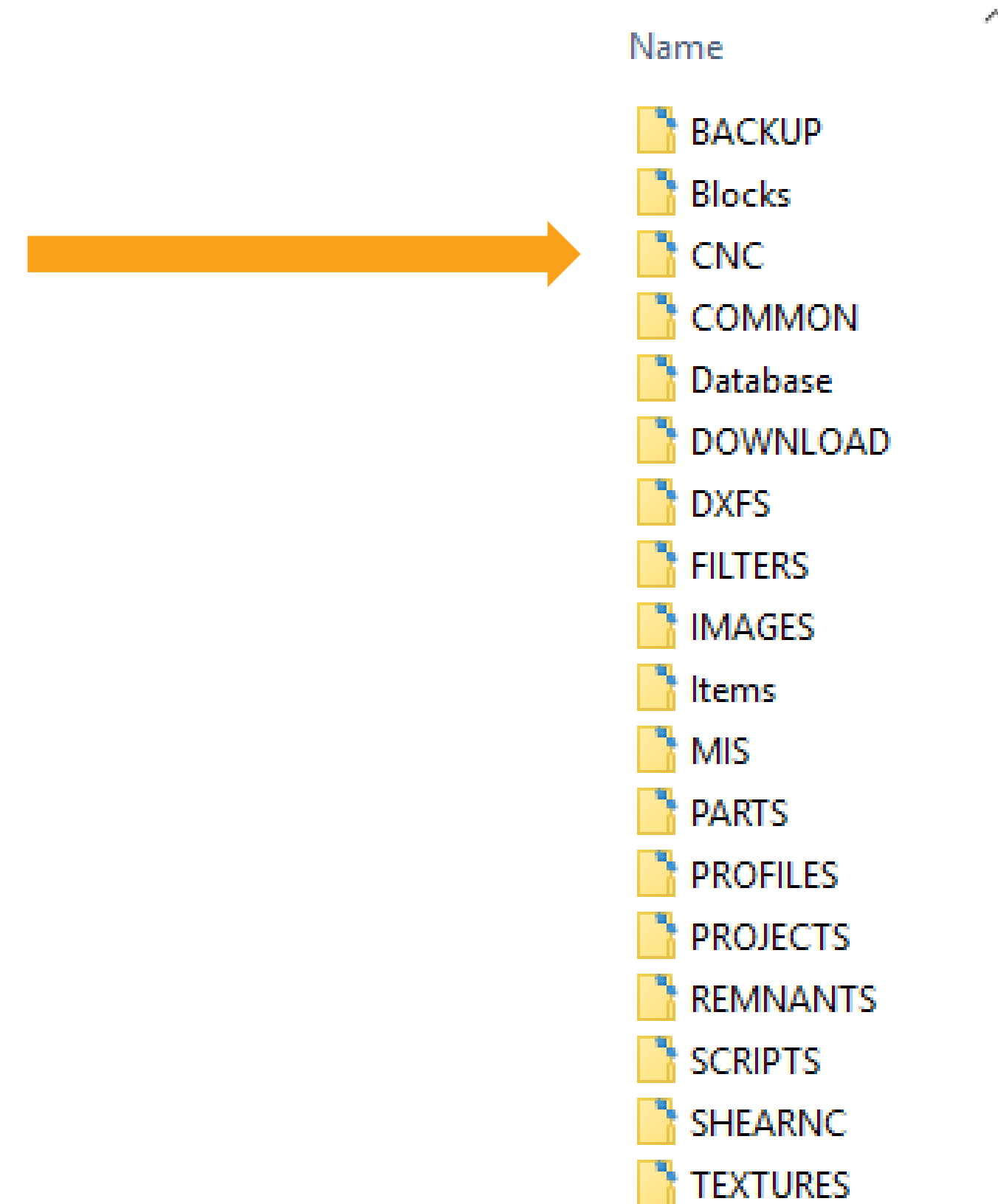
# Database Configuration Folders

Default location where Fabrication looks for CAD Blocks. Place CADBlocks here (or within the same folder of the ITM) to keep from having PATH information stored with the CAD Block reference.



# Database Configuration Folders

Default location where CAMduct will store NC files for Plasma, Waterjet, Laser and Router machine types as well as \*.DEC files for Coil Lines.

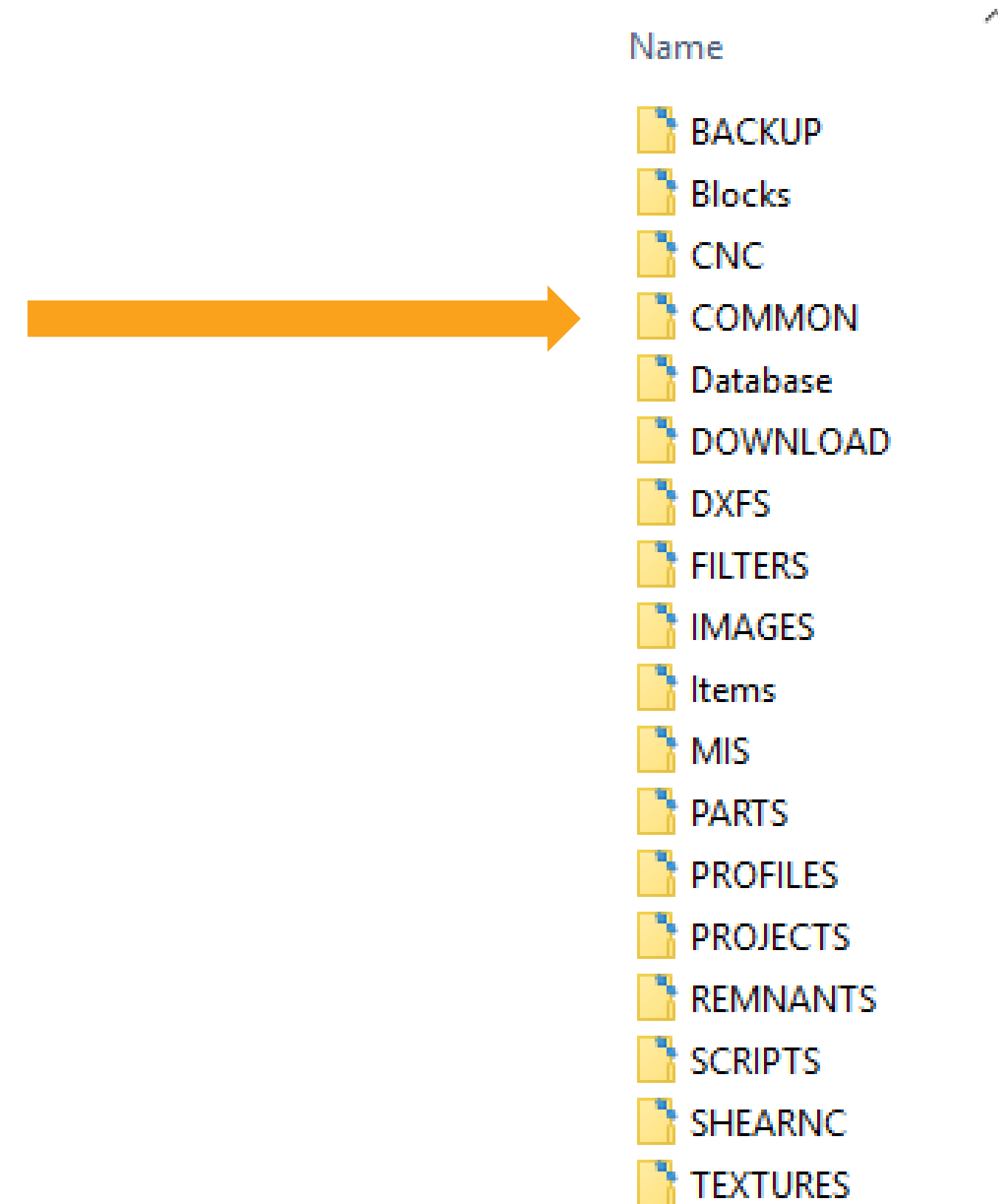




# Database Configuration Folders

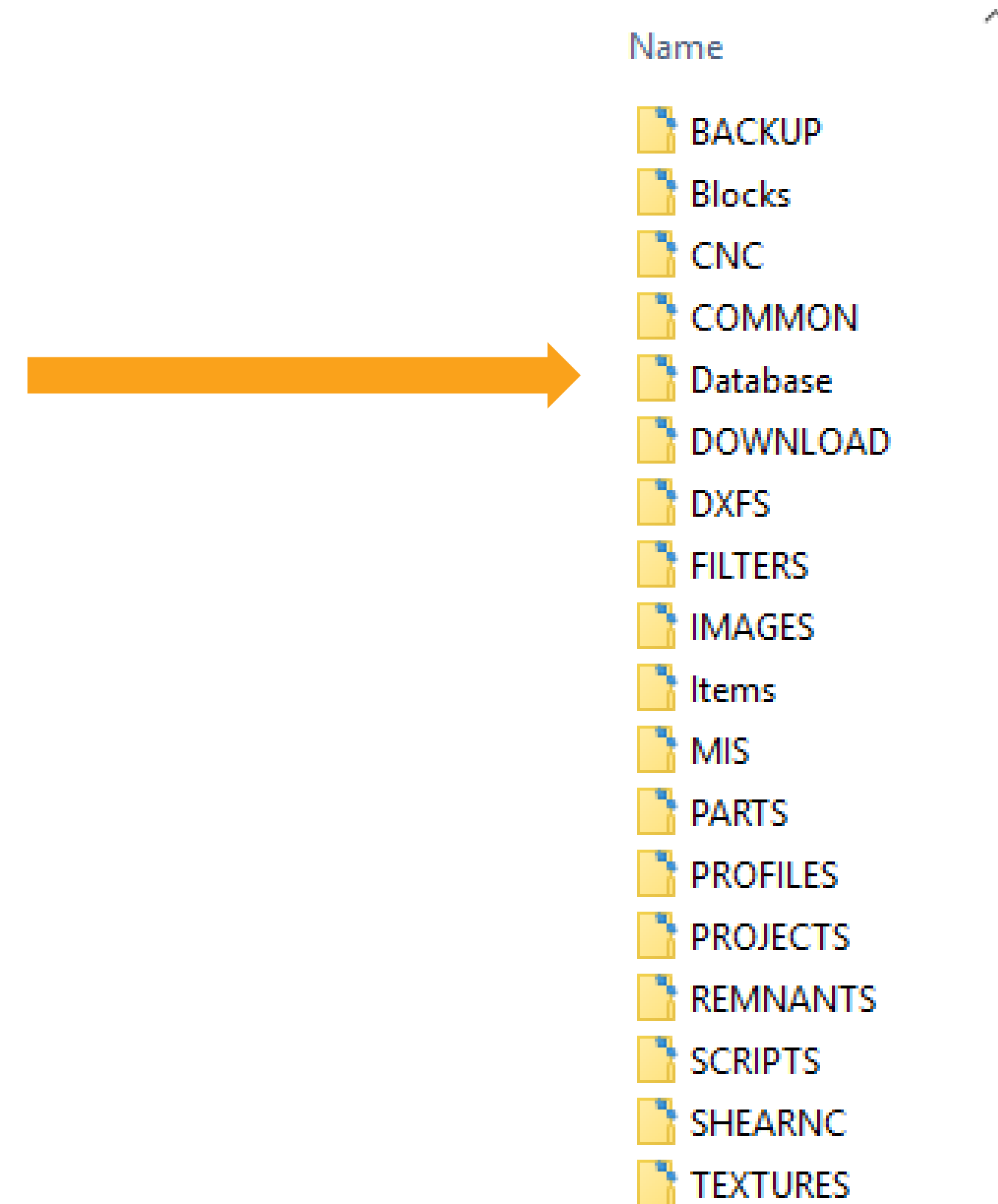
Alternate location where \*some\* of the database files can be moved and have the software still find them.

Test carefully and use with caution.



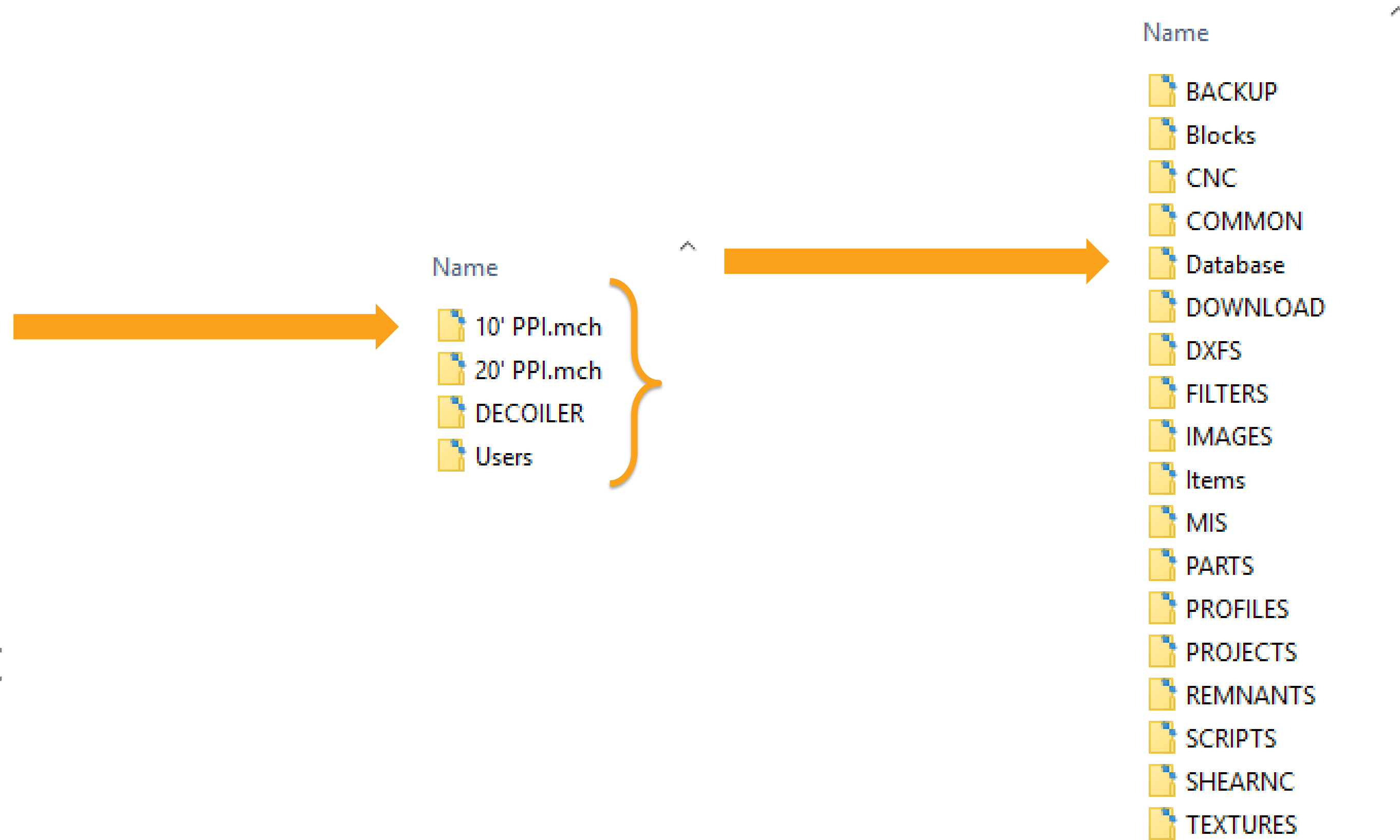
# Database Configuration Folders

Storage location for most of the Fabrication Database files.



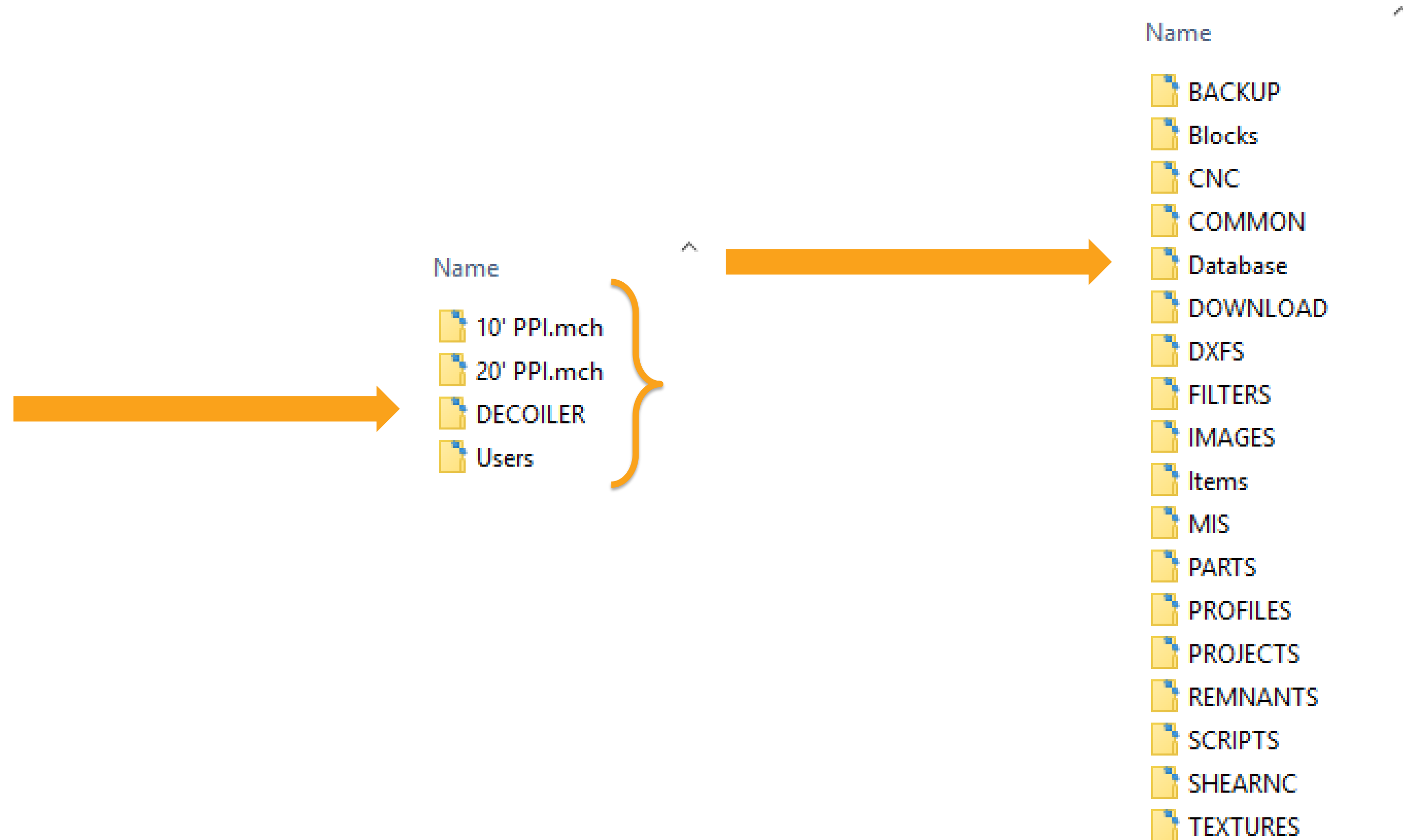
# Database Configuration Folders

\*.mch Folders hold configuration information for all machines (Plasma, OxyFuel, Lazer, Waterjet, Router, Lathe, etc) except Coil Lines.



# Database Configuration Folders

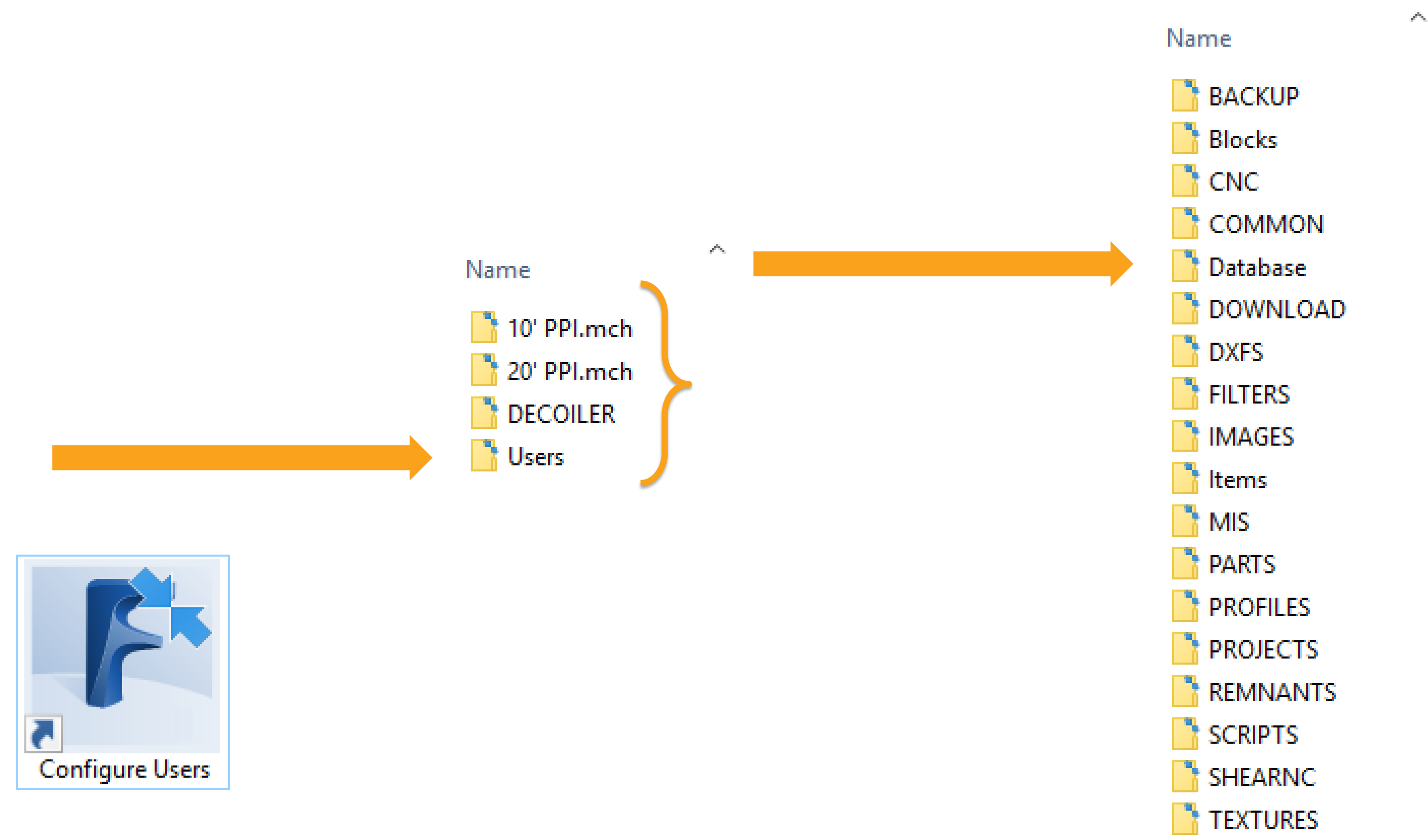
Folders without an extension store the configuration data for Coil Lines. Folders contains the \*.MAP files which are named per the Decoiler in CAMduct.  
(Exception: "**Users**" & "**Filters**" folders)



# Database Configuration Folders

Database login User accounts are located here.

Use the "Configure Users" application to configure users.





# Database Configuration Folders

Temporary download location for  
content downloaded from...

<http://www.building3dcontent.com>

(DownloadContent command)

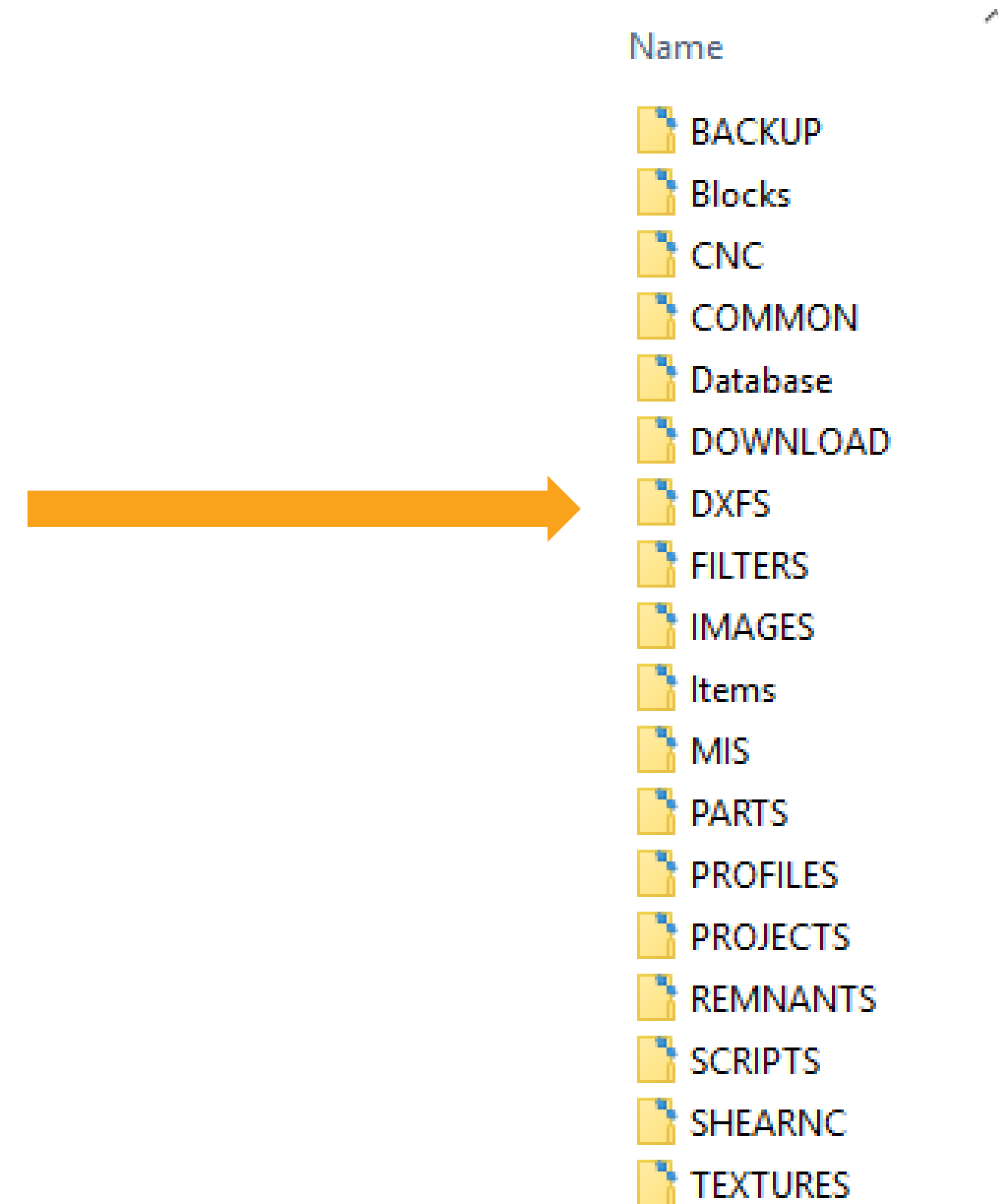


Name

- BACKUP
- Blocks
- CNC
- COMMON
- Database
- DOWNLOAD
- DXFS
- FILTERS
- IMAGES
- Items
- MIS
- PARTS
- PROFILES
- PROJECTS
- REMNANTS
- SCRIPTS
- SHEARNIC
- TEXTURES

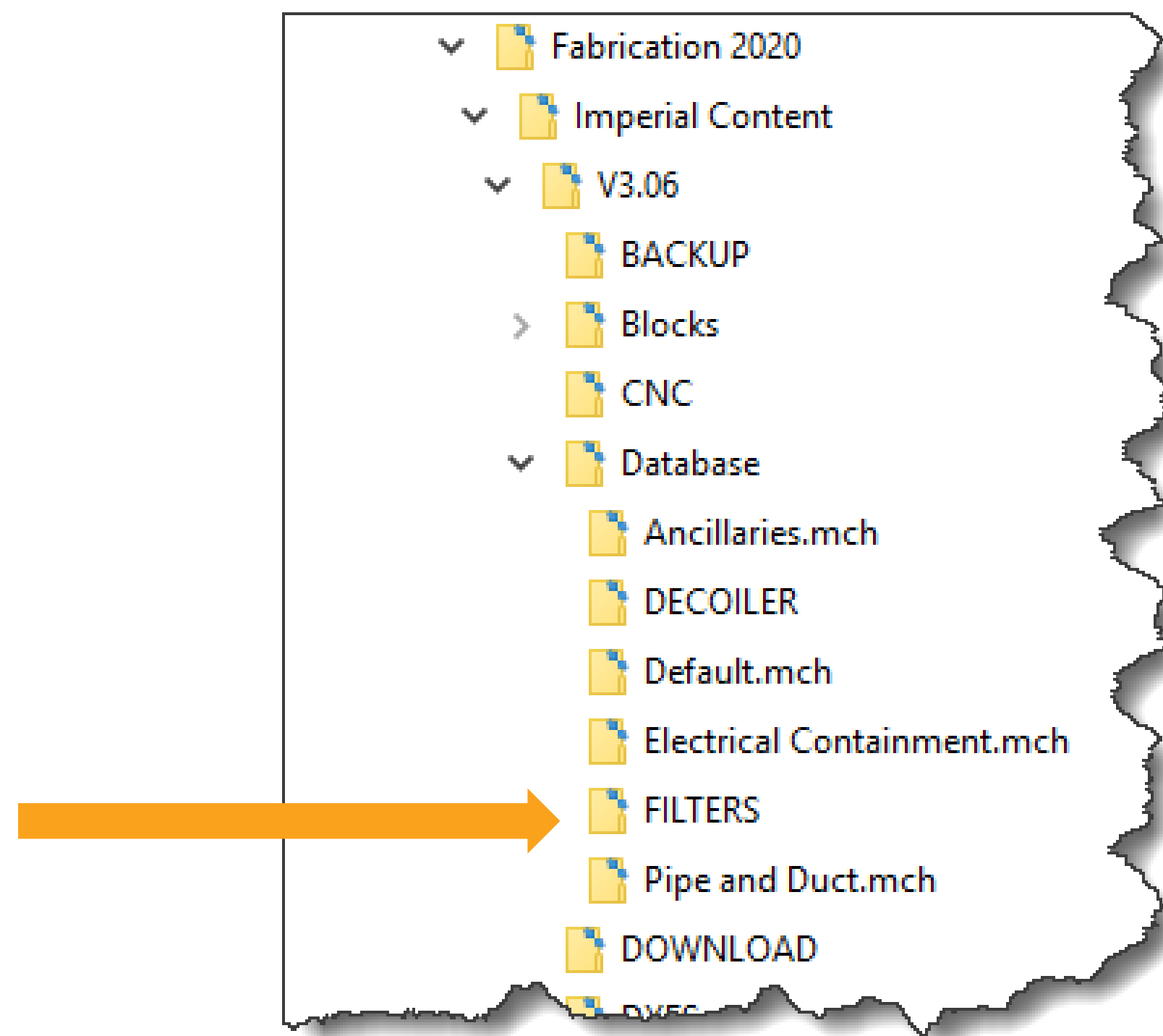
# Database Configuration Folders

Location for part DXF Import/Exports



# Database Configuration Folders

Does not appear to work/honor the settings in MAP.INI. Filters in CAMduct appear in the "FILTERS" folder under "Database". Filters are used to import Steel shapes into CAMduct for processing.



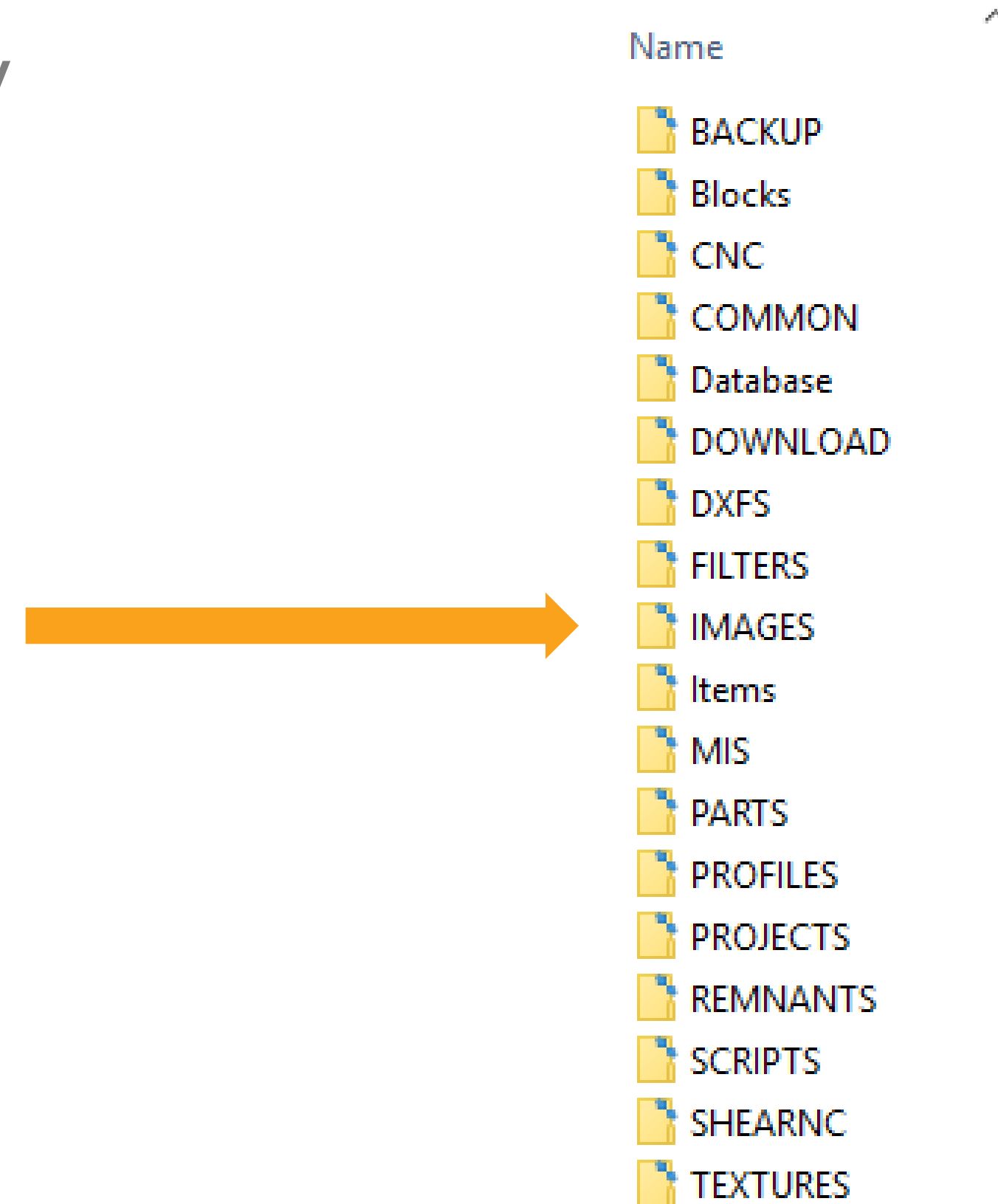
Name ^

- BACKUP
- Blocks
- CNC
- COMMON
- Database
- DOWNLOAD
- DXFS
- FILTERS
- IMAGES
- Items
- MIS
- PARTS
- PROFILES
- PROJECTS
- REMNANTS
- SCRIPTS
- SHEARNC
- TEXTURES

# Database Configuration Folders

Default location for ITM images. Most commonly used if you want a common image used across ITM's. Images placed here will allow ITM's to display an alternate (not default) image without storing the images path.

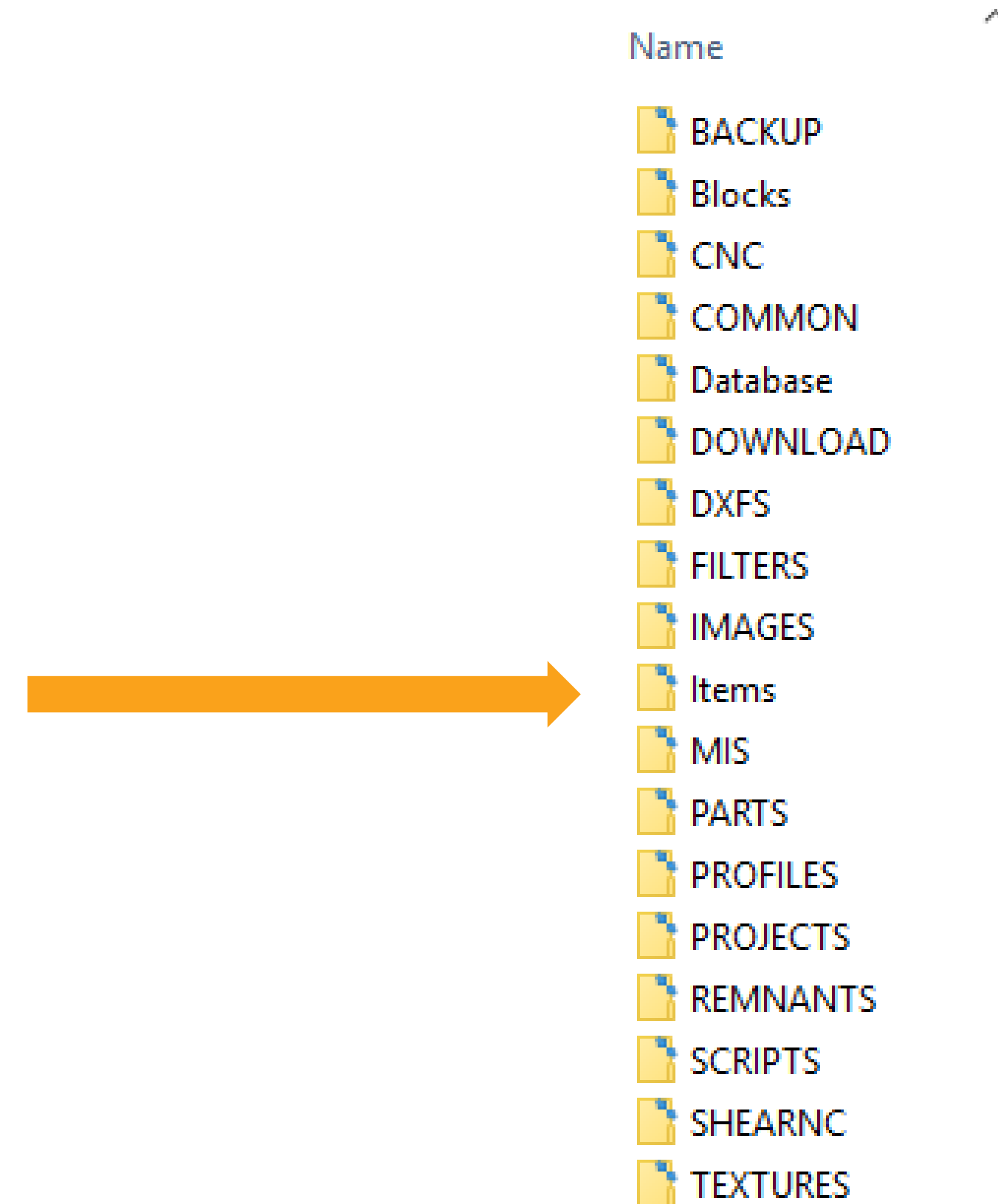
*This folder does NOT work for Report images.*



# Database Configuration Folders

Root location for ITM content.

Note: Folders outside this area may be added via Folders Window





# Database Configuration Folders

Root location for Fabrication Reports. Subfolders under this folder are specific to the software being used.

e.g. CAD subfolder stores reports used by CAD.

Name

CADmep  
CAMduct  
ESTmep  
RemoteEntry



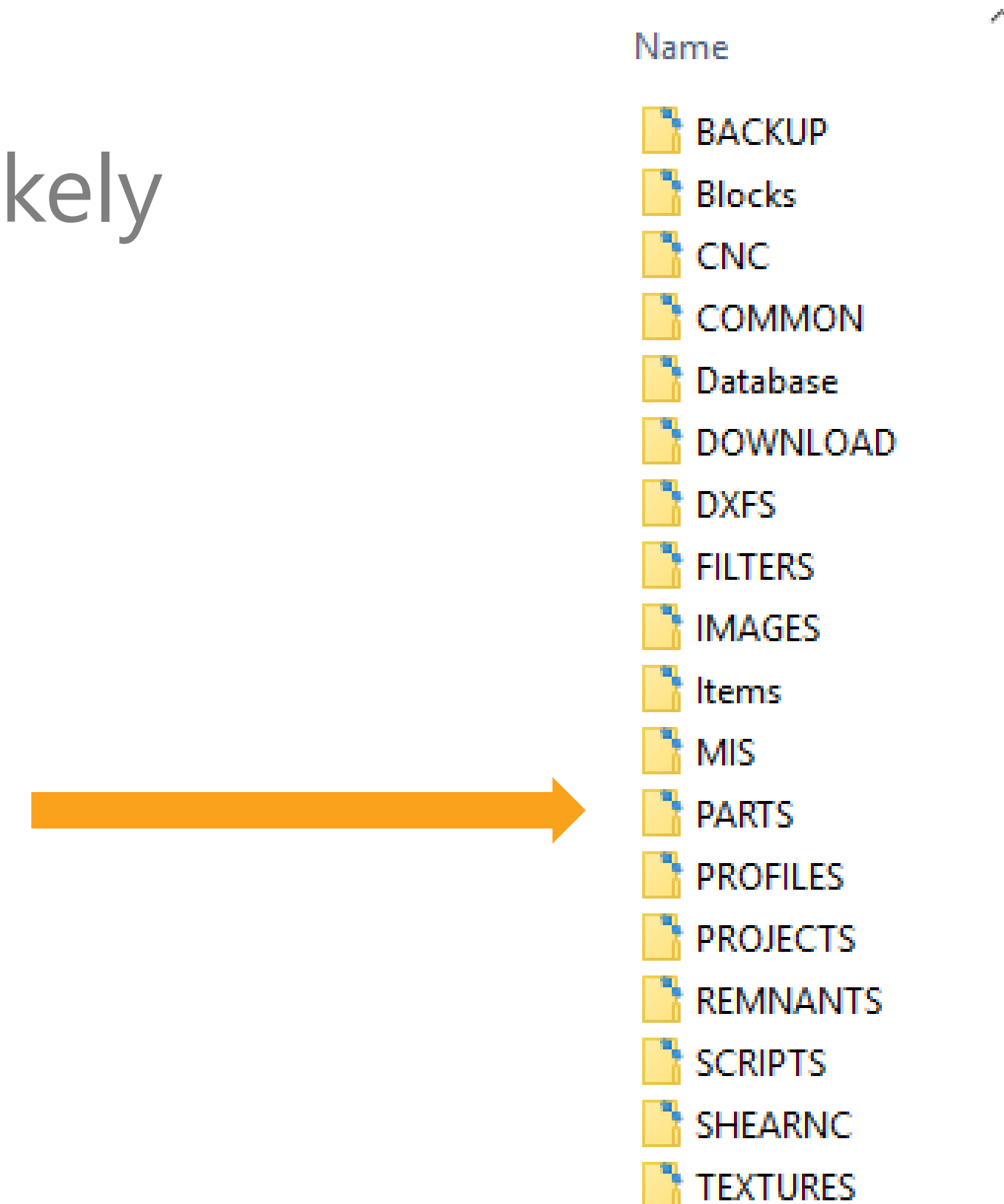
Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARN  
TEXTURES

# Database Configuration Folders

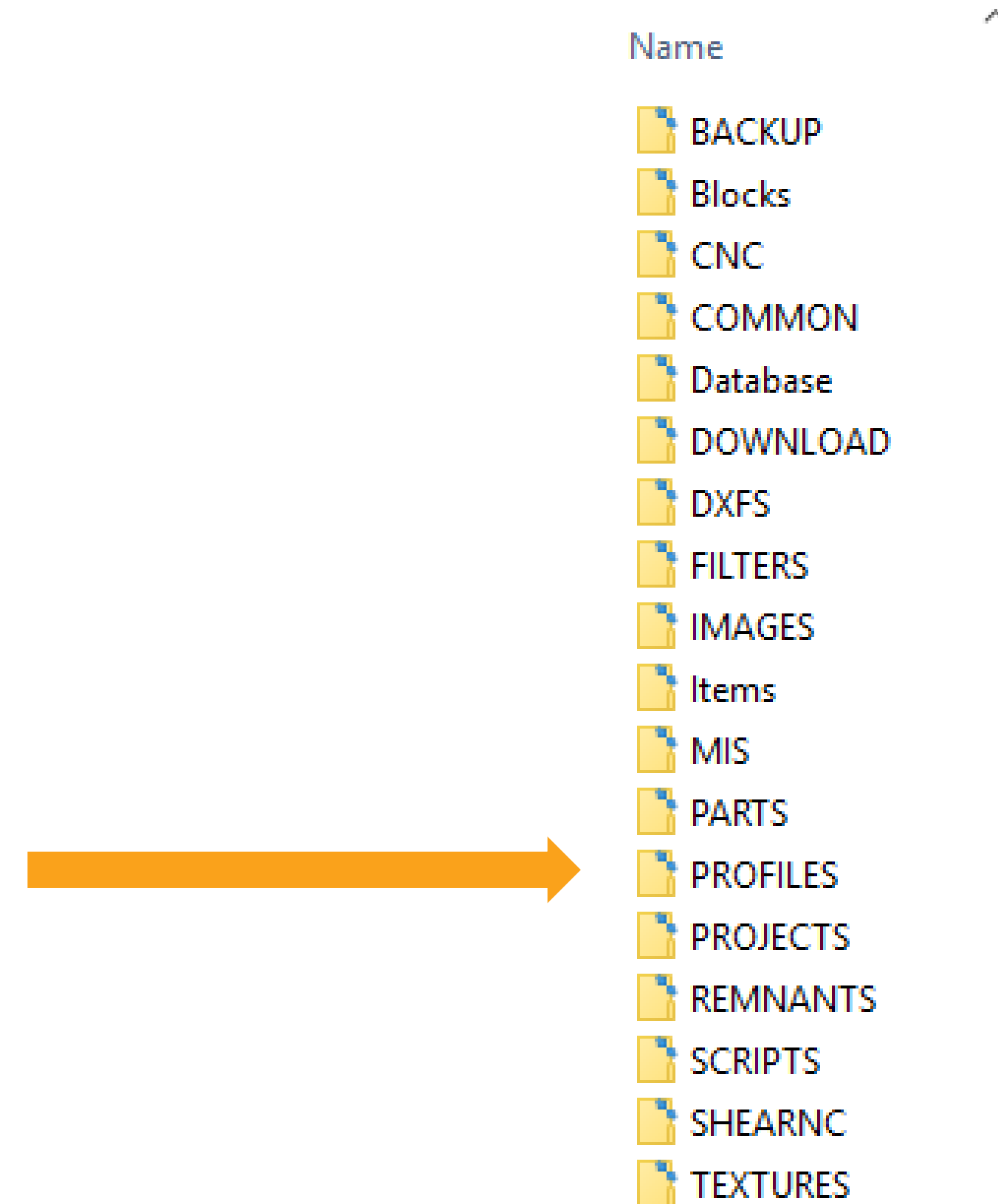
Parts folder. Unknown purpose, appears to have shown up in 2017/Imperial Configuration only. Likely not used.

If you know, drop me a note.



# Database Configuration Folders

If using "Profiles" is your database configuration, profiles specific data is stored here. Basically, a partial "database within a database".



# Database Configuration Folders

Default storage location for MAJ/ESJ files.

Recommended to change to another location. Job data should not be stored in your database configuration.

Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARN  
TEXTURES



# Database Configuration Folders

Storage for CAMduct's Sheet Management.  
Remnants are for nesting parts on left over  
(remaining) sheet material.

Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARNC  
TEXTURES





# Database Configuration Folders

Default location for Fabrication Scripts (\*.COD files)

Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARNC  
TEXTURES



# Database Configuration Folders

Default location for CAMduct's Sheared NC files.

Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARNC  
TEXTURES



# Database Configuration Folders

Default location for fabrication's Texture files applied via Facings.

Name

BACKUP  
Blocks  
CNC  
COMMON  
Database  
DOWNLOAD  
DXFS  
FILTERS  
IMAGES  
Items  
MIS  
PARTS  
PROFILES  
PROJECTS  
REMNANTS  
SCRIPTS  
SHEARN  
TEXTURES



# Database Configuration Folders (Misc Folders)

Location for fabrication's Frames/Frame Layouts used for Multi-Service Designline.

Does NOT need to be this folder. Can reside anywhere. This is just where Autodesk chose to place them in some of their configurations.



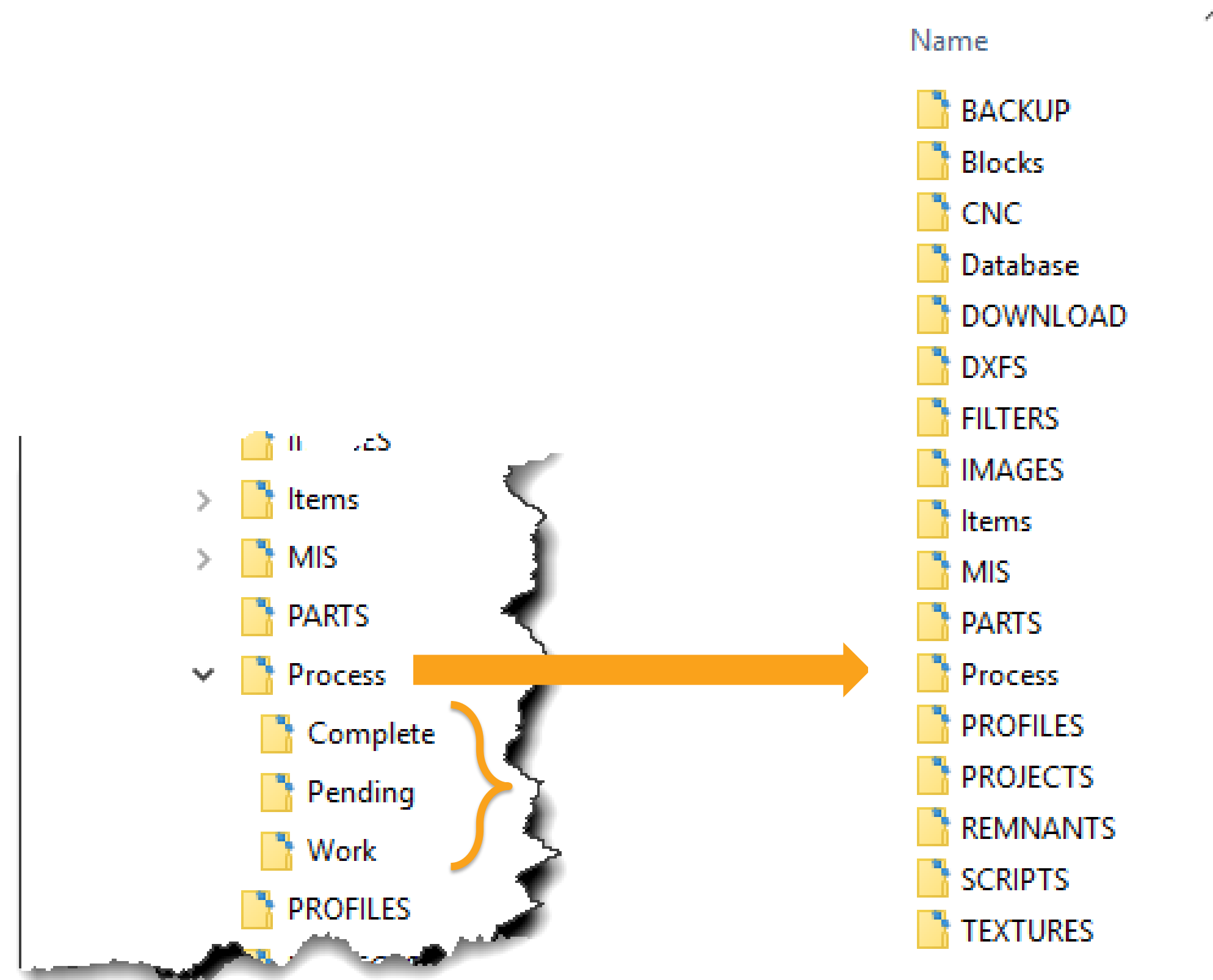
Name
BACKUP
Blocks
CNC
Database
DXFS
FILTERS
Frame
IMAGES
Items
MIS
PARTS
PROFILES
PROJECTS
SCRIPTS
TEXTURES

# Database Configuration Folders (Misc Folders)

CAMduct automatic processing of \*.BIF (Batch Import Format) files.

Data placed here (e.g. from an ERP) Will be automatically processed by CAMduct.

Search HELP for "BIF Import Format"





# Program Folders / Files

## Area 1:

*C:\Users\<user>\AppData\Local\Autodesk\Fabrication <year> \<program>*

Customized program settings specific to each version, product and windows user.  
(e.g. takeoff columns, view configuration, etc.)

Generally unable to be redirected elsewhere.

Files vary by product, settings used, etc.

Name ^

- detail.map
- idetail.map
- LOCALDB.MAP
- MainTakeoff.MAP
- ndetail.map
- oglDevelopment.map
- oglQTOdetail.map
- oglTOdetail.map
- pmdetail.map
- profdetail.map
- QDETAIL.MAP
- rvdetail.map

# Program Folders / Files

## Area 2:

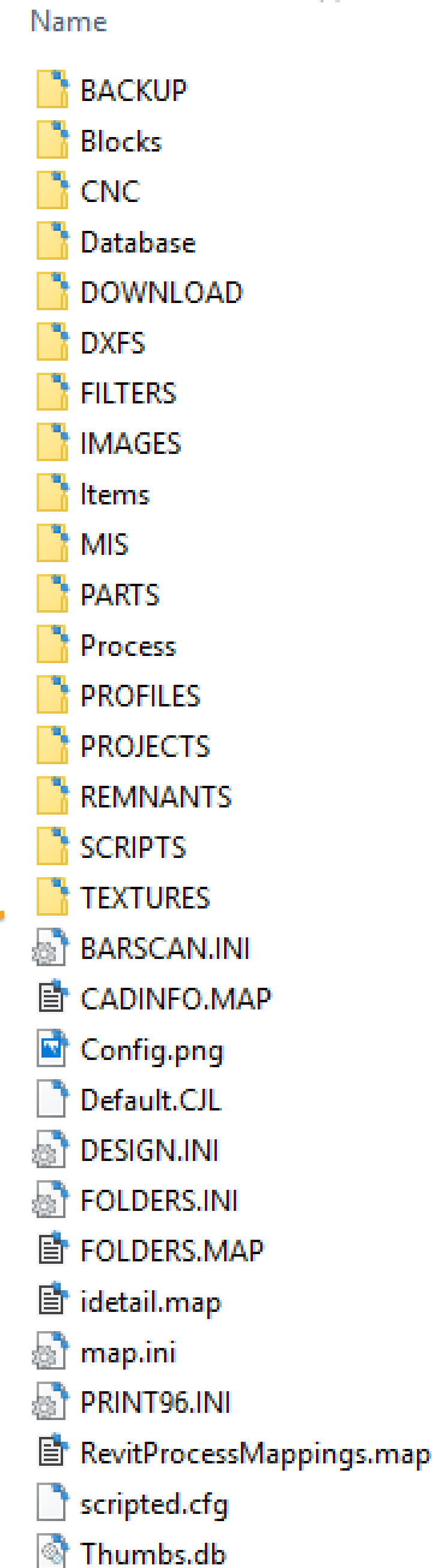
Configuration Files. Home of the MAP.INI file which is where the fabrications you pick in the software point to.

Can be located on a network server or locally in your system.

Settings located in the same folder as MAP.INI can be duplicated by making multiple Configuration Files folders but point to the same database folders.

e.g. Imperial/Metric versions of the same database

e.g. Different annotation settings between Piping/Sheetmetal



# Program Folders / Files

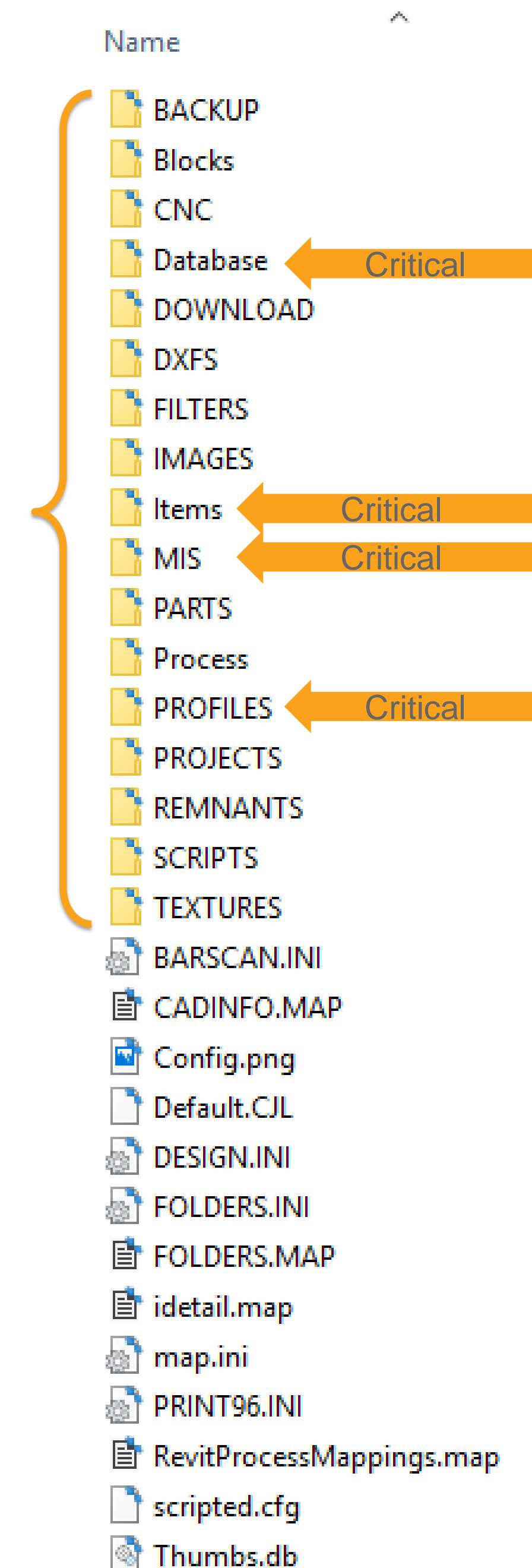
## Area 3:

Main Database Files/Folders.

Can be located on a network or locally on your system.

Can be located if a different location than the Configuration Files (previous slide)

Not all folders required. Key/Critical Folders noted.



# Files & Location

	A	B	C	D	E	F	G	H	I	J	K
1	Path										
2	..\<database root>\Database\Decoiler										
3	..\<database root>\Database\<machine>.mch										
4	..\<database root>\Database										
5	C:\Users\<username>\AppData\Local\Autodesk\Fabrication XXXX\FABreview										
6	C:\Users\<username>\AppData\Local\Autodesk\Fabrication XXXX\FABmep										
7	C:\Users\<username>\AppData\Local\Autodesk\Fabrication XXXX\ESTmep										
8	C:\Users\<username>\AppData\Local\Autodesk\Fabrication XXXX\CAMduct										
9	C:\Users\<username>\AppData\Local\Autodesk\Fabrication XXXX\CADmep										
10	MAP.INI folder location										
11	File	Description									
12	Airturn.map	<a href="#">Airturns database entries</a>								X	
13	Ancillary.map	Ancillaries database entries								X	
14	CADDetail.map							X	X		
15	CADTakeoff.map	<a href="#">Holds default "Customize Item Takeoff" information</a>	X	X	X	X					
16	cadtools.map					X					
17	cadview.map		X								
18	cdetail.map	"List Setup" configuration	X								
19	clayout.map						X				
20	colours.map									X	
21	connectr.map	<a href="#">Connector database entries</a>								X	
22	Cost.map									X	
23	CT2.map	Defines Machine Cutting Tools									X
24	Cutouts.map									X	
25	DAMPER.map	Damper database entries								X	
26	Default.map	Decoiler configuration									X
27	detail.map	Column Configuration (Job Contents)			X	X					
28	Diameter.map	Effective Diameters								X	
29	dwgdb.map									X	
30	esttools.map					X					
31	etimes.map	Install (erection) time tables								X	
32	facings.map									X	
33	FTimes.map	Fabrication time tables								X	
34	flayout.map			X							
35	fldetail.map							X			
36	HSspecs.map									X	
37	idetail.map				X						

[illegible][illegible]



# Learning Objectives - Review

- ✓ Learn about database folders and how they work

- ✓ Learn about local versus network versus hybrid deployments

- ✓ Learn how to insulate users from inadvertent changes

- ✓ Learn about supporting multiple locations

# Contact

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