

**All in the Family: Best Practices for Creating Happy
Revit Families**

Q&A Report:

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Webinar ID	Actual Start Date/Time	# Attended	Questions Asked (#)	Questions Answered (#)
654-478-339	05/28/2020 02:47 PM EDT	497	332	7

Q&A

Last Name	First Name	Question Asked Date/Time	Question Asked	Answer Given
Camara	Lionel	02:58:37 PM EDT	what software do you use for your diagram?	
			Will a replay recording be made available after the fact,	
Lupo	Robert	02:58:57 PM EDT	and/or will the XMind outline be made available?	
Labecki	Max	02:59:46 PM EDT	loud and clear	
Brown	Don	02:59:48 PM EDT	We can hear you clearly... screen looks good	
Vaughan	Travis	02:59:55 PM EDT	100 in Vegas (high of 108 today)	
Taylor	Christopher	03:00:08 PM EDT	Sounding good, as per usual.	
Speicher	Richard	03:00:16 PM EDT	10x10	
Watness	Melissa	03:00:59 PM EDT	its sunny and 79 degree, beautiful in SC	
Johns	Jason	03:01:19 PM EDT	TF Design Team out in Florida. 84 here	
MOLINA ESPINOSA	LESTER	03:01:22 PM EDT	Hello from Cary, North Carolina	
			We are coming into winter 11 degrees celius here in Sydney	
Labecki	Max	03:01:36 PM EDT	Australia	
Tuta	Dileep	03:01:39 PM EDT	hi mik	
Watness	Melissa	03:01:44 PM EDT	yes south carolina	
Balding	Jim	03:01:51 PM EDT	74 Sunny - SoCal	
Lane	Paul	03:01:51 PM EDT	81 in Colorado	
Soni	Shital	03:01:56 PM EDT	Hi	
Taylor	Christopher	03:01:58 PM EDT	Sunny in Seattle - 65°	
Ketchum	Debbi	03:01:59 PM EDT	88 and sunny in Maine	
Brown	Don	03:02:00 PM EDT	82 & overcast in Dallas Ft Worth	
Hoogervorst	Jen	03:02:02 PM EDT	Nice and sunny in Rotterdam, Holland	
Hayes	Usamah	03:02:04 PM EDT	64 in MN	
Lukacs	Marton	03:02:05 PM EDT	50 in Aalborg, Denmark	
Wagner	John	03:02:06 PM EDT	91 Tampa	
doan	patrick	03:02:07 PM EDT	77 in cincinnati	
Breisacher	James	03:02:09 PM EDT	64 Bozeman Mont.	
Kabat-Cieslak	Katarzyna	03:02:11 PM EDT	76 in Maryland	
Johnson	Juliet	03:02:12 PM EDT	21C Thunder Bay Canada	
roche	Michael	03:02:12 PM EDT	22 degrees in ireland	
Wendt	Mark	03:02:13 PM EDT	87° and 67% humidity in South Florida	
Stravers	Evan	03:02:15 PM EDT	Sunny and 81 in Portland, OR	
Kline	Chris	03:02:21 PM EDT	76 and rainy in Milwaukee, Wisconsin	
McMillen	Jesse	03:02:31 PM EDT	78 degrees and sunny in Eugene, Oregon	
Pierce	Karen	03:02:33 PM EDT	Great coffee(?) slurp there. :-)	
Tarver	Alan	03:02:43 PM EDT	73F in Philadelphia	
Lawrence	Murray	03:03:45 PM EDT	62degrees here in Calgary Alberta Canada	
Schultz	Ann L	03:03:46 PM EDT	downpouring rain and 68 in WI	
Karben	John	03:07:31 PM EDT	6-7ish	
Cerilli	Evan	03:07:33 PM EDT	7	
Burgess	Kyle	03:07:36 PM EDT	3	
Cullen	Justin	03:07:36 PM EDT	8	
Senise	Luca	03:07:36 PM EDT	4/10	
Johnson	Juliet	03:07:37 PM EDT	6	
Stein	Steven	03:07:37 PM EDT	1	
Tarver	Alan	03:07:37 PM EDT	5 to 6	
Venter	Pierre	03:07:37 PM EDT	7-8	
Labecki	Max	03:07:38 PM EDT	7	

Navarro	Francisco	03:07:38 PM EDT	6	
Vaughan	Travis	03:07:38 PM EDT	5	
Breisacher	James	03:07:39 PM EDT	Home Recker	
Hayes	Usamah	03:07:39 PM EDT	10	
Ivory	Charles	03:07:39 PM EDT	7	
Lupo	Robert	03:07:39 PM EDT	8.5	
Murphy	Ben	03:07:39 PM EDT	mainly use other's templates - about a 6	
Roth	Mariah	03:07:39 PM EDT	6-7	
Balding	Jim	03:07:40 PM EDT	8ish	
Fuhrman	Kimberly	03:07:40 PM EDT	7	
MCHUGH	TREVOR	03:07:40 PM EDT	6	
O'Brien	Paul	03:07:40 PM EDT	8	
Rivera	Katherine	03:07:40 PM EDT	0!	
Albright	Tom	03:07:41 PM EDT	6.6758	
Bienias	Olga	03:07:41 PM EDT	6	
Boschert	Matt	03:07:41 PM EDT	6	
Lane	Paul	03:07:41 PM EDT	5ish	
Schmidt	Katie	03:07:41 PM EDT	6?	
Stamatkin	Laura	03:07:41 PM EDT	4	
Syed	Faisal	03:07:41 PM EDT	7	
Banks	Joel	03:07:42 PM EDT	7	
Jones	Adam	03:07:42 PM EDT	4	
Pond	Gep	03:07:42 PM EDT	6	
Speicher	Richard	03:07:42 PM EDT	2	
Ketchum	Debbi	03:07:43 PM EDT	I am 7 to 8	
Konet	Regina	03:07:43 PM EDT	3	
Meyers	Steve	03:07:43 PM EDT	I'm a 5-6	
SMITH	ASHER	03:07:43 PM EDT	5	
Kabat-Cieslak	Katarzyna	03:07:44 PM EDT	6-5/10	
Schwab	Gretchen	03:07:44 PM EDT	6	
Talukder	Shahnaz	03:07:44 PM EDT	5	
Brack	Andy	03:07:45 PM EDT	7.5	
DARAZ	Navid	03:07:45 PM EDT	I'd say Im a 3	
Taylor	Christopher	03:07:45 PM EDT	Slightly dysfunctional 7.	
Kline	Chris	03:07:46 PM EDT	About 5 to 6	
Ostendorff	Jill	03:07:46 PM EDT	5	
Figuroa	Javier Archsmarter	03:07:47 PM EDT	5	
Gomez	Laura	03:07:47 PM EDT	7	
Kortekaas	Harry	03:07:48 PM EDT	7	
Picard	Wayne	03:07:49 PM EDT	3	
Hollenkamp	Susanne	03:07:50 PM EDT	6 starting one jear	
MOLINA ESPINOSA	LESTER	03:07:51 PM EDT	6	
Schultz	Ann L	03:07:52 PM EDT	7 and still muttling	
Lawrence	Murray	03:07:54 PM EDT	1 or 2	
Wendt	Mark	03:07:54 PM EDT	3, if that	
doan	patrick	03:07:56 PM EDT	where is everybody typing their responses	
MUIR	GERALD	03:07:57 PM EDT	6	
Bova	Dori	03:07:58 PM EDT	5	
Winfield	Chris	03:08:00 PM EDT	7-8	
Sanchez	David	03:08:06 PM EDT	I'm all rounder	
Lukacs	Marton	03:08:07 PM EDT	5	
Blakeman	Robert	03:08:13 PM EDT	Is anyone else reproting audio issues? My audio is crackly and I can barely hear a thing.	
ARcos	Evelyn	03:08:16 PM EDT	Hello everybody!!	
Pitre	Suzanne	03:08:18 PM EDT	4	
Jarvis	Elaine	03:08:26 PM EDT	10ish but always wanting to learn more!	
Blakeman	Robert	03:08:28 PM EDT	*reporting	
Blakeman	Robert	03:08:48 PM EDT	I called in using the phone audio.	
O'Brien	Paul	03:10:24 PM EDT	What mind-mapping tool are you using?	Xmind

Balding	Jim	03:10:29 PM EDT	original was Steve Stafford	Of course!
Jarvis	Elaine	03:10:48 PM EDT	Didn't you (Michael) describe it as a car?	That's my template analogy
Hayes	Usamah	03:11:04 PM EDT	I started that analogy	
Balding	Jim	03:11:15 PM EDT	bones - muscles and skin was a Steve Stafford creation	
Venter	Pierre	03:11:22 PM EDT	Michael, Chassis Body Trim. All equal understanding, tags, Data and Geometry match	
Hayes	Usamah	03:11:27 PM EDT	Back in 2008	
Taylor	Christopher	03:11:37 PM EDT	Trying MindNode and MindMeister	
Stine	Dan	03:11:54 PM EDT	Yes, I was thinking Steve Stafford as well.)	
Hayes	Usamah	03:12:40 PM EDT	Wrote the Family book for CTC	
Taylor	Christopher	03:13:01 PM EDT	Bonus points awarded for the Wizard of Oz reference!	
Jarvis	Elaine	03:13:06 PM EDT	I want to be the man behind the curtain! Just let me build families all day long...	
Hayes	Usamah	03:13:23 PM EDT	I also worked on the Autodesk Seek Content Style Guide.	
Hayes	Usamah	03:15:05 PM EDT	Everyone uses the methodology that I discovered for arraying, see Ruskin Louvers.	
Hayes	Usamah	03:15:47 PM EDT	Bones are reference planes.	
Hayes	Usamah	03:16:36 PM EDT	Check out Herman Miller families, that's me as well.	
Taylor	Christopher	03:16:44 PM EDT	How (or when) do you determine whether a family becomes a one off, project specific family or something that can be standardized and carried from project to project?	
Jarvis	Elaine	03:17:53 PM EDT	Do you have a method for easily switching out the families between standard and rendered? That is particularly important for interior furnishings.	
Hayes	Usamah	03:18:05 PM EDT	Name all reference planes. Use is references. Define origins.	
Soni	Shital	03:18:50 PM EDT	How can we get these dimensions to show in the Projectplan without manually dimensioning it.	
Hayes	Usamah	03:19:14 PM EDT	2018 and categorization for coloring reference planes.	
Jarvis	Elaine	03:19:31 PM EDT	Make different types of ref planes through object styles.	
Fujka	Gary	03:19:46 PM EDT	wow they finally added color reference plans? is this just in family editor or in project file also?	
Albright	Tom	03:19:53 PM EDT	How do you color RP's?	
Venter	Pierre	03:20:02 PM EDT	No it is special! John. Make the names significant and show the purpose, Face, Left, Right etc. A good standard	
Hayes	Usamah	03:20:21 PM EDT	Reference lines for flexing angles.	
Balding	Jim	03:20:37 PM EDT	Ref Lines best for X, Y & Z control	
Nix	Benjamin	03:20:41 PM EDT	what are the different styles of ref planes	
Hayes	Usamah	03:21:08 PM EDT	You also need to define is references of reference lines.	
Wagner	John	03:21:53 PM EDT	Do you have family template seeds that already show reference planes and dimensions for ease of starting a new family? How far can you take that?	
Nix	Benjamin	03:22:28 PM EDT	lol... its alot cleaner i like it	
Schwab	Gretchen	03:22:52 PM EDT	would you explain how to list reference line/planes as weak references or location	
Watness	Melissa	03:24:09 PM EDT	weak verses strong controls how it moved when aligned in the project	
Hayes	Usamah	03:24:15 PM EDT	That's what I mean by is reference, the parameter in the properties pallet is named is reference.	
Brack	Andy	03:24:28 PM EDT	In plan, does Revit treat the 'Front' of a family as Plan North or Plan South within the Family Editor?	
Watness	Melissa	03:24:36 PM EDT	either it moves the object or stretches the reference	
Brack	Andy	03:24:37 PM EDT	Could you get a little into constraints and warnings/errors in families. This seems to be a recurring them at our firm.	
Brack	Andy	03:24:44 PM EDT	Errors	
Hayes	Usamah	03:24:56 PM EDT	Turn all planes that you don't need to reference in the next level to not a reference.	
Schwab	Gretchen	03:25:13 PM EDT	what does a strong reference do that a weak won't	

Hayes	Usamah	03:25:36 PM EDT	Your cursor goes to the strongest first
Balding	Jim	03:25:44 PM EDT	weak ref does not show up in the model
Hayes	Usamah	03:25:56 PM EDT	You can tab through to align to weak references.
Jarvis	Elaine	03:26:07 PM EDT	Do you use different line styles between your reference planes so you can easily diff. when on top of each other.
Carter	Ryan	03:26:08 PM EDT	Just lost audio
Venter	Pierre	03:26:24 PM EDT	Good balance on the type of reference plane. Too may Strong override the others.
			I heard that the reason Casework families preview backwards is because the reference planes on the Autodesk casework library were drawn backwards... (like bottom up vs top down for example) is that true, and if so can you then swap (ie: click the endpoint and drag it past the opposite end) them to get them to preview correctly? just remembered this tip from MU last year but I don't recall if I am remembering it correctly.
Phelps	Les	03:26:27 PM EDT	
Carter	Ryan	03:26:31 PM EDT	Audio back!
Hayes	Usamah	03:26:41 PM EDT	Ha
Venter	Pierre	03:27:01 PM EDT	To many strong ones are bad for enforcing use.
Hayes	Usamah	03:27:35 PM EDT	Always treat it like it will go from project to project.
dela Torre	Billy	03:27:38 PM EDT	is it advisable to have a type catalogue , with family
Hayes	Usamah	03:27:58 PM EDT	Never in-place model.
Duarte	David	03:28:43 PM EDT	Front doors are usually one offs for us
Raj	Vipin	03:28:54 PM EDT	Do you tie your specification information into families?
O'Brien	Paul	03:29:06 PM EDT	Relevant xkcd: https://xkcd.com/1205/
Hayes	Usamah	03:29:21 PM EDT	componentize and build up from there.
DARAZ	Navid	03:29:43 PM EDT	In my understanding making a family to use in multiple similar residential projects in time saving.
Hayes	Usamah	03:29:44 PM EDT	Treat them like blocks of code
Hayes	Usamah	03:30:16 PM EDT	I have to jump to another meeting.
Henderson	Daryl	03:31:47 PM EDT	Is it easier to download something from Revitcity or BIM website and modify the object?
Brosh	Steve	03:31:48 PM EDT	Sometimes things can't be made a family like I have arched top opening in curved walls that have a stepped profile going around the opening.
Hayes	Usamah	03:32:36 PM EDT	I treat nested families like a module in VBA or a collection of functions in any program.
Hayes	Usamah	03:33:43 PM EDT	I think it comes down to the end users time and not mine.
Kerr	Crysti	03:34:41 PM EDT	Would you use an in-place family like a custom headboard that is repeated. In 300+ guest rooms?
Bova	Dori	03:34:55 PM EDT	examples of naming convention?
Hayes	Usamah	03:35:00 PM EDT	Family Category_Descriptor_Revit Release
Murphy	Ben	03:35:01 PM EDT	Is it ever useful to model components such as screws, nails, joinery dowels, etc.?
Brack	Andy	03:35:29 PM EDT	The other decision is the Family Category...I can make a Detail Item - Toilet and a Plumbing Fixture 3D Toilet.
Bezerra	Rodrigo	03:35:32 PM EDT	How do you guys deal with nested families? Every rft is 200+ kb and this families keep building 'til a door becomes a 5MB file
Hayes	Usamah	03:35:40 PM EDT	You can put multiple descriptors between Family Category and Revit Release.
Schwab	Gretchen	03:35:46 PM EDT	can recommend any examples of these naming conventions
Duarte	David	03:36:10 PM EDT	Naming general to specific for sorting in windows explorer
Hayes	Usamah	03:36:20 PM EDT	Categories is universal and the user knows what they are opening.
Hayes	Usamah	03:37:04 PM EDT	Type naming convention is super flexible by nature.
Jarvis	Elaine	03:37:27 PM EDT	First two numbers of the Spec to easily sort.
DARAZ	Navid	03:37:29 PM EDT	its driven me mad at times.
Hayes	Usamah	03:37:46 PM EDT	Componentize and nest if you can.

Hollenkamp	Susanne	03:38:40 PM EDT	i am in the Netherlands and have to use the NLRs. Dutch standard.....sadely it is based on numbers so i always need to add clear name
Duarte	David	03:38:56 PM EDT	nested is helpful when a sub component is used in many parent families, updating the sub-component across the library is easy
Hayes	Usamah	03:39:07 PM EDT	Try to drive all of you nested families by placing on a family type family.
Breisacher	James	03:39:13 PM EDT	I'm not seeing the questions or answers
Jarvis	Elaine	03:39:48 PM EDT	When need to use the same family in other families...
Raj	Vipin	03:39:53 PM EDT	Do you use Dynamo to mass upgrade families?
Phelps	Les	03:39:55 PM EDT	Also you can only section certain categories...
Jarvis	Elaine	03:40:33 PM EDT	Or a ceiling....
Hayes	Usamah	03:40:36 PM EDT	If you want a family category to behave like another category, then nest that family into the family that you want to mimic that behavior.
Warburton	John	03:41:08 PM EDT	How does nesting families work with IFC export? Aren't there some issues?
Hayes	Usamah	03:41:19 PM EDT	All of the different handles should be types of the same nested family. This reduces file size.
Hayes	Usamah	03:42:32 PM EDT	You can then label the nested family and switch out the family type in parameter values
Schneider	jamie	03:43:20 PM EDT	When do you use shared parameters instead of family parameters? Typically when you want to tag the parameter.
Soni	Shital	03:43:51 PM EDT	How do we add a casework tag?
Hayes	Usamah	03:44:09 PM EDT	That will control visibility and quantification so that you don't get multiple instances placed in the same location.
Hayes	Usamah	03:44:29 PM EDT	Shared parameter for scheduling and tagging.
Duarte	David	03:44:32 PM EDT	Nested families that are managed by Family Type label work best when the bones are the same for all nested pions
Schwab	Gretchen	03:45:10 PM EDT	in your opinion does nesting content in families improve model speed or operations
Hayes	Usamah	03:45:30 PM EDT	Define your nested family as a shared nested family if you need to tag a nested family.
P	Mani	03:46:16 PM EDT	Can we have visibility parameter for tags?
Hayes	Usamah	03:46:24 PM EDT	shared nested families show in schedules.
Venter	Pierre	03:46:29 PM EDT	All parameters are beneficial as Shared Parameters, then the parameters are reduced because its clear that its for a purpose.
O'Brien	Paul	03:47:54 PM EDT	https://www.revitforum.org/showthread.php/30805-The-Revit-Maller-Complexity-Setup-Wizard
Hayes	Usamah	03:48:00 PM EDT	I typically limit the parameters that link through to the parent family and then use formulaic controls in the nested family.
Hayes	Usamah	03:48:44 PM EDT	Detail Item.
Hayes	Usamah	03:49:27 PM EDT	= is linking parameters
Jarvis	Elaine	03:49:40 PM EDT	that is the problem with a lot of manufacturer families - too complex and bulky!
Taylor	Christopher	03:49:51 PM EDT	Depth, not Width
Dospel	Anca	03:49:53 PM EDT	that was the width
			When do you take family file size into consideration and how many instances of that family live in your Revit project? Assuming a large/complex family file size, will slow down a Revit project and/or increase load times.
Welch	Rick	03:50:00 PM EDT	
Hayes	Usamah	03:50:08 PM EDT	Live demos...bruh
Taylor	Christopher	03:50:14 PM EDT	For the win!
Wagner	John	03:52:15 PM EDT	is there a particular reason you insert a detail family for overlay vs drawing symbolic linework directly in the family?

Warren	Dan	03:53:20 PM EDT	Are there issues associating nested detail components into 3D model elements? Example: Nesting Header detail components into a door/window family?
Phelps	Les	03:53:21 PM EDT	Why wouldn't you just put all fume hood fixtures on there and control them with visibility parameters as defined by type... ???
Hayes	Usamah	03:53:28 PM EDT	Componentize = more control The same reason that you sold nest in a family that needs to be arrayed.
Venter	Pierre	03:54:19 PM EDT	The detailing can be tagged and the items set up to reflect classifications, Specifications. The benefits are added to the family
Hayes	Usamah	03:54:28 PM EDT	Creating your own template is also a good way to lock in your standards.
Cerilli	Evan	03:54:37 PM EDT	if you change the family to .rft it automatically makes a it a template
Kline	Chris	03:54:55 PM EDT	I agree- creating a number of family "start" templates helps a lot when creating new families
Cerilli	Evan	03:54:58 PM EDT	nice!
Jarvis	Elaine	03:55:01 PM EDT	Edit family templates if you have custom line styles and parameters.
O'Brien	Paul	03:55:18 PM EDT	Too bad it doesn't work the other way around :(
Hayes	Usamah	03:55:19 PM EDT	Object styles Reference Planes Shared Parameters and what not.
Pierce	Karen	03:55:20 PM EDT	Great webinar guys. I'll be sharing the recording with a few of my teammates
Hayes	Usamah	03:55:49 PM EDT	I also have a Dynamo script that I change the units and what not as well.
Freiert	Michael	03:56:04 PM EDT	odd ball standards is a great way to not have things easy for 3rd party users to edit it
Venter	Pierre	03:56:24 PM EDT	Thanks Michael and John.
Blakeman	Robert	03:56:25 PM EDT	Gotta bail out, thanks Michael!!
Hayes	Usamah	03:57:22 PM EDT	Formulaic controlled should be under constraints. Anything that you want the user to control should go in the other groups.
Tarver	Alan	03:57:59 PM EDT	Why not make it an instance for door swing?
Lane	Paul	03:58:05 PM EDT	why not use phasing for existing vs new?
Hayes	Usamah	03:58:06 PM EDT	Family Types should reside under others as you only want the sophisticated user to adjust those.
Wagner	John	03:58:14 PM EDT	Where is the best area to "hide" your parameters from prying eyes or where you don't want someone to mess with it?
Hayes	Usamah	03:58:57 PM EDT	I agree with the asking what the parameter does.
Kline	Chris	03:59:06 PM EDT	One point- it's important to test flex your families before using them in a project.
Hayes	Usamah	03:59:17 PM EDT	Lock it formulaic
Lane	Paul	03:59:23 PM EDT	Thanks guys, I am backed up to another meeting, I look forward to your recording this is great stuff!
Hayes	Usamah	03:59:37 PM EDT	Even if it isn't a formula put in a formula.
O'Brien	Paul	03:59:46 PM EDT	It's true.
Lindauer	Michael	03:59:47 PM EDT	Have to drop off for another meeting. Thank you - very informative.
Jarvis	Elaine	04:00:14 PM EDT	One thing to keep in mind on naming parameters, keep them short if you use formulas as otherwise it's difficult to determine what to update in a very long formula string.
Hayes	Usamah	04:00:17 PM EDT	BIM 360 works for permissions beautifully
Hayes	Usamah	04:00:31 PM EDT	Ha
D	RAM PRAKASH	04:01:26 PM EDT	Annotation Symbol and Detail Component !!!
D	RAM PRAKASH	04:01:40 PM EDT	Which is the best to use on a Family

Dashkevich	Anton	04:02:03 PM EDT	did you ever had a need to copy right protect your family?
D	RAM PRAKASH	04:02:24 PM EDT	2D Symbols representation changes as i change them from 1:100 and 1:200
D	RAM PRAKASH	04:03:07 PM EDT	example a Square Light Fixture 2D Symbol on 1:100 and 1:200
Hayes	Usamah	04:03:35 PM EDT	CTC has a watermark tool
Duarte	David	04:04:58 PM EDT	annotations and detail components scale differently
Jarvis	Elaine	04:05:18 PM EDT	Depends on the complexity and size of the file.
Schultz	Kenneth	04:05:30 PM EDT	Any way to create an override for the scale of an annotation?
Raj	Vipin	04:05:37 PM EDT	Why does legend component come in rotated?
D	RAM PRAKASH	04:07:05 PM EDT	Are the Sizes of Annotation Symbol should be fixed as long as they are visible?
Warren	Dan	04:07:28 PM EDT	Is it defined as <by category>?
Soni	Shital	04:07:31 PM EDT	Are these parameters made as shared to show up in schedules?
Jarvis	Elaine	04:07:39 PM EDT	Do you use keyschedules for instance parameters within scheudles?
D	RAM PRAKASH	04:08:40 PM EDT	According to the view scale we use?
O'Brien	Paul	04:08:56 PM EDT	Heck yeah we are.
Fuhrman	Kimberly	04:08:59 PM EDT	YESSS!!
O'Brien	Paul	04:09:26 PM EDT	I suggest that Revit doesn't make the "I" in BIM as easy as the "M".
Fujka	Gary	04:09:41 PM EDT	what if doors are painted different colors
Schultz	Kenneth	04:10:34 PM EDT	Do you recommend any books for continued learning?
O'Brien	Paul	04:11:14 PM EDT	We do that. We use PT-1 PT-2, etc.
Herrera	Wilson	04:12:01 PM EDT	Is this tied to the family type, or an instances
DARAZ	Navid	04:12:20 PM EDT	can you activate specific materials in the family for visibility?
Schwab	Gretchen	04:12:43 PM EDT	can you tie family and parameters to keynoting
Soni	Shital	04:13:07 PM EDT	Is there a specific reason to just use it as text , ie. is there a benefit to use the material instead of just text?
O'Brien	Paul	04:13:09 PM EDT	A possible rule of thumb is that the Material is what goes on the schedule. The Appearance is the specific Brand/Color/Model.
Herrera	Wilson	04:13:28 PM EDT	Got it!
Aricò	Matteo	04:14:32 PM EDT	why you are not using a parameter inside material's identity tab? so to leave the material's name comprehensible?
Mokler-Tibbs	Paul	04:15:34 PM EDT	If the door type is project based should the be done in the project by duplicating it?
Dashkevich	Anton	04:15:58 PM EDT	how come you dont have door frame in door scheduel?
Dashkevich	Anton	04:16:22 PM EDT	in door legend where use door component
O'Brien	Paul	04:17:00 PM EDT	You can't paint geometry in most families.
Georgiev	Stoyan	04:17:23 PM EDT	How you can bring material from current project in a new family?
Fujka	Gary	04:17:24 PM EDT	the door might be nested can paint in the nested
Labecki	Max	04:18:05 PM EDT	Would be good to do a series of these session
Labecki	Max	04:18:15 PM EDT	on families
Soni	Shital	04:19:25 PM EDT	The family has the width, height parameters etc. Can we show these main dimensions and text notation in nested yes Do you mean the annotation that in the family? If so, no. no visibility? You'd need to use a nested annotation family.
Soni	Shital	04:19:57 PM EDT	to be used in the Project
Nix	Benjamin	04:19:59 PM EDT	where do you find that?
Albright	Tom	04:20:07 PM EDT	Must you manually create the type catalog file?
Labecki	Max	04:20:57 PM EDT	thanks Michal and John great session got to run
Lupo	Robert	04:21:08 PM EDT	you COULD create all the types within the family editor (visually verifying), then export the type catalog (to a text file like this), then remove all but one type from the family file
Lupo	Robert	04:21:19 PM EDT	no.. see above
Camara	Lionel	04:21:29 PM EDT	i think you can export current types to start type catalog...
Kline	Chris	04:21:37 PM EDT	Using Excel for making type catalogs is much easier

Lupo	Robert	04:21:56 PM EDT	there's an export button in the family editor, type properties
Jarvis	Elaine	04:22:11 PM EDT	No. For type catalogs, you have to have at least one or more types. Then export the family types.
Warren	Dan	04:22:30 PM EDT	You can use a macro with excel to create type catalogs
Mokler-Tibbs	Paul	04:22:54 PM EDT	good article here using excel https://microsoftresources.com/revit-automatically-create-catalog-files-for-families/
Soni	Shital	04:22:59 PM EDT	Is this just for reference as a catalogue?
Albright	Tom	04:23:14 PM EDT	Is a lookup Table the same as a Type Catalog?
Nix	Benjamin	04:23:26 PM EDT	does the original family give you the info for the first line or is it basic "programming" and pull everything out of the parameters
Jarvis	Elaine	04:24:02 PM EDT	It's great for creating a standard family library - start with your templates, make a few types, then create a family type file.
Stahl	Gerard	04:24:42 PM EDT	u can use excel for the type catalog: https://www.cadlinecommunity.co.uk/hc/en-us/articles/202908541-Easy-Editing-of-Type-Catalogues-from-Revit-using-Microsoft-Excel-
Stahl	Gerard	04:25:06 PM EDT	Nice! Thanks for sharing
Jarvis	Elaine	04:25:36 PM EDT	Global templates are great for driving linked file parameters - ceiling heights for multiple apartments that are linked into the building file.
Pfeil	Hap	04:25:45 PM EDT	what does your QR code link to?
O'Brien	Paul	04:25:57 PM EDT	Select all instances in entire project, then check the instance parameter. That's my approach.
Rodriguez	Javier	04:26:40 PM EDT	What's that QR code for?
Duarte	David	04:27:08 PM EDT	Combination of Global Parameters and Shared Families are worth exploring
Dunn	JT	04:27:39 PM EDT	good stuff
Carter	Ryan	04:29:01 PM EDT	Question about questions:
Angelo	Rhonald	04:29:06 PM EDT	No worries. Thanks
D	RAM PRAKASH	04:29:27 PM EDT	nice webinar
Holden	Seth	04:29:53 PM EDT	Thankyou!
Vendelbo	Henriette	04:29:59 PM EDT	thanks from Denmark
Angelo	Rhonald	04:30:04 PM EDT	Thanks John and Michael
Hollenkamp	Susanne	04:30:05 PM EDT	i do the same rendering and chancing material using Lumion link, gives butivull renders
Nix	Benjamin	04:30:06 PM EDT	thank you guys so much super seminar
Carter	Ryan	04:30:07 PM EDT	Question about questions: what controls which questions we all see and which questions only the moderator sees?
Bova	Dori	04:30:13 PM EDT	thank you!
Murphy	Ben	04:30:16 PM EDT	thanks guys!
Herrera	Wilson	04:30:27 PM EDT	Thanks a Lot!
Ruvalcaba	Gabriel	04:30:44 PM EDT	thanks
Bova	Dori	04:30:45 PM EDT	file>save questions
Angelo	Rhonald	04:30:51 PM EDT	I saw questions
Karben	John	04:30:57 PM EDT	Only those you respond to maybe?
Nix	Benjamin	04:31:00 PM EDT	you can pull out the chat with a button on the right with an arrow
Balin	Simone	04:31:05 PM EDT	good performance ;)
O'Brien	Paul	04:31:26 PM EDT	I see it, but not all the questions.
Kerr	Crysti	04:31:27 PM EDT	Thank you!
Albright	Tom	04:31:29 PM EDT	Thanks!
Carter	Ryan	04:31:30 PM EDT	I see only a fraction of the questions you refer to
Henderson	Daryl	04:31:30 PM EDT	Thanks again.
DARAZ	Navid	04:31:31 PM EDT	thanks
Fuhrman	Kimberly	04:31:32 PM EDT	Thanks guys!
Angelo	Rhonald	04:31:33 PM EDT	Later