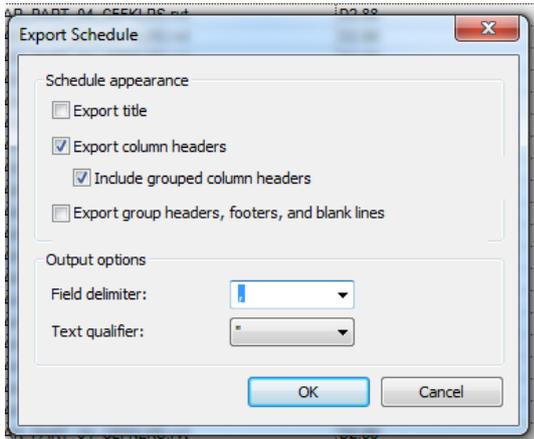


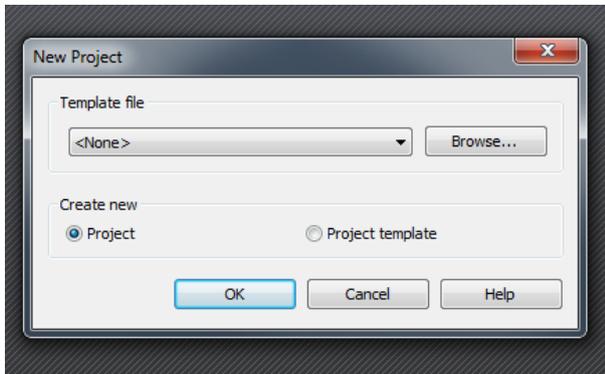
Copy/Monitor all Plumbing Fixtures - Proposed Solution

INITIAL SETUP STEPS (steps 1 to 8 are for starting from scratch)

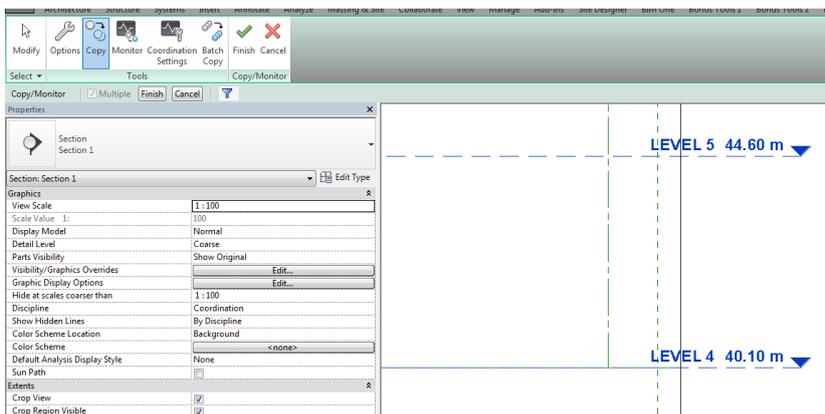
1. Open donor model detached
2. Optional: Export Plumbing Fixture Schedule and Family List from this model



3. Save As -- put this temporary Architectural model somewhere you can link it
4. Start in a new, clean file (no template) -- NOTE: See steps after this on Type Mapping



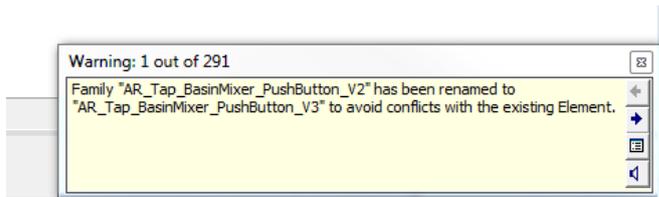
5. Link in Architectural model, Origin to Origin
6. Copy / Monitor the Levels (if they aren't in model already)



7. With levels copied, switch to Plan View. Start Batch Copy.
8. Set these settings for Plumbing Fixtures, then click Copy:

Category	Behavior
Air Terminals	Copy behavior
Communication Devices	Allow batch copy
Data Devices	Mapping behavior
Electrical Equipment	
Electrical Fixtures	
Fire Alarm Devices	
Lighting Devices	
Lighting Fixtures	
Mechanical Equipment	
Nurse Call Devices	
Plumbing Fixtures	
Security Devices	
Sprinklers	
Telephone Devices	

- This may take a while, to copy fixtures from Architectural model
- You will be notified about 'duplicate types'. Export the report. These might be deleted (fixed) in later steps.



- There may be some other errors. Export the reports.
- Click **Finish** on the Batch Copy ribbon
- Remove constraints if necessary.
- Optional:** you may be able delete the families appended with 1 - especially where amount of families are equal. Use a grouped schedule.

	A	B	
	Family	Count	
AR_Basin_Assembly(HB-1)_V2		61	A
AR_Basin_Assembly(HB-1P)_V2		9	A
AR_Basin_Assembly(HB-1S)_V2		3	A
AR_Basin_Assembly(HB-2)_V2		24	A
AR_Basin_Assembly(HB-2P)_V2		5	A
AR_Basin_Assembly(HB-3)_V2		26	A
AR_Basin_Assembly(HB-3MP)		2	A
AR_Basin_Assembly(HB-4)_V2		7	A
AR_Basin_Assembly(HB-EB_L)		3	A
AR_Basin_Assembly(HB-EB_R)		4	A
AR_Basin_Ensuite_LH		3	A
AR_Basin_Ensuite_LH1		3	A
AR_Basin_Ensuite_RH		4	A
AR_Basin_Ensuite_RH1		4	A

- Note: there will be more families here than in the donor, because some of the nested nested families etc have now been placed as their own instances AND they exist in the main assembly... this also results in the Type Renaming:

↵_Basin_Ensuite_LH	5	HBEB_L - Ensuite Basin (Left)
↵_Basin_Ensuite_RH	64	HBEB_R - Ensuite Basin (Right)
↵_Basin_SS_V2	1	HBS - SS Basin
↵_Basin_WallMounted_Assisted	21	HB4 - Handwash Basin Assisted
↵_Basin_WallMounted_Scrub_V1	70	HB1 - Handwash Basin - Staff Scrub with Lever Handles 2
↵_Basin_WallMounted_Scrub_V1	3	HB1S - Handwash Basin - Staff Scrub with Sensor Tap
↵_Basin_WallMounted_Scrub_V2	182	HB1 - Handwash Basin - Staff Scrub with Lever Handles
↵_Basin_WallMounted_Scrub_V2	3	HB1S - Handwash Basin - Staff Scrub with Sensor Tap
↵_Basin_WallMounted_V1	29	HB2 - Handwash Basin - Patient & Staff 2
↵_Basin_WallMounted_V1	38	HB3 - Handwash Basin - Medium
↵_Basin_WallMounted_V2	63	HB2 - Handwash Basin - Patient & Staff
↵_Basin_WallMounted_V2	73	HB3 - Handwash Basin - Medium
↵_DialysisReverseOsmosisWater+Drain	4	PTMWD - Dialysis Treated Mains Water and Drain
↵_DialysisReverseOsmosisWater+Drain_ICU	48	PROWD1 - Dialysis Reverse Osmosis Water and Drain - ICU

- Check copied instances for accuracy
- Delete the Linked Architectural Model Just reload as per steps below
- Recommended:** immediately record the donor Model name and Revision using a Schedule
- Save this fixture file
- Proceed to next donor model - Reload From as per steps below

Cleanup step - purge unused families (not types). These will be the ones with '1' at the end.

NEXT MODEL / NEW MODEL workflow

1. Link the next donor model (optional: use Reload From instead)
2. Copy / Monitor - Select Link
3. Batch Copy
4. Plumbing Fixtures - and Specify Type Mapping
5. If you don't have mapping showing already (if you used Reload From, most of it might be there, especially if this model is at same level), you will need to go through and map manually (can take time):

Category	Properties	Behavior	
		In the Linked Model	In the Host Model
<ul style="list-style-type: none"> - Air Terminals - Communication Devices - Data Devices - Electrical Equipment - Electrical Fixtures - Fire Alarm Devices - Lighting Devices - Lighting Fixtures - Mechanical Equipment - Nurse Call Devices - Plumbing Fixtures - Team Mapping - Security Devices - Signifiers - Telephone Devices 	<input type="button" value="Link Type"/>	AR_Basin_Assembly(HB-1), V2	
		AR_Basin_Assembly(HB-1), V2	
		AR_Basin_Assembly(HB-1), V2	AR_Basin_Assembly(HB-3), V2 HB1 - Staff Scrub with Lever Handles (Assembly)
		AR_Basin_Assembly(HB-1), V2	
		AR_Basin_Assembly(HB-1), V2	Copy original Type
		AR_Basin_Assembly(HB-2), V2	
		AR_Basin_Assembly(HB-2), V2	Copy original Type
		AR_Basin_Assembly(HB-2), V2	
		AR_Basin_Assembly(HB-2), V2	Copy original Type
		AR_Basin_Assembly(HB-3), V2	
		AR_Basin_Assembly(HB-3), V2	Copy original Type
		AR_Basin_Assembly(HB-4), V2	
		AR_Basin_Assembly(HB-4), V2	Copy original Type

6. You can type in this mapping field to search quickly
7. If you can't find a match, leave it set at Copy original Type
8. The idea is to map all possible matches
9. Save and Close
10. Resume from Step 9 above. Always initiate the copy operation from the button in mapping dialog.

NOTES

You may need to clean up identical instances
 If you choose stop monitoring, it may have undesired results
 Families relying on instance params may need help
 May still be some duplicates at mirror configurations