

Demystifying Data

B+H Architects

The Big Picture:

Our Main Goal, The Room Data Report - RDR

The “Source of Truth” for every room.

- A core Contractual Requirement

A tool for the future:

- Facility Maintenance
- Future Planning

The Culmination of Our Work:

- Every correctly placed family and every piece of linked data contributes directly to this critical deliverable

Room Data Report - RDR		
PCL Submission - Ver 3.2		
NOVA SCOTIA  HIEP Halifax Infirmary Expansion Project		
Room Number	08-L022.01	
Room Name	Solar utility room	
Department	08-I - Medical Surgical Units	
Room Classification	RC-270-04	
Model Name:	HIEP-A-08-TOW-L8_L10	
Areas		
Programmed Area	\$30.00	
Designed Area	130.87	
Area Variance %	0.67	
RDS		
Group	Value	RFI Number
Ceiling Height	2700 mm	
RFI Shielding	Radiation Shielding: Yes	
Acoustics		
Name	Value	RFI Number
Room STC	50	DRFI-00007 (HPRFI-00061), DRFI-00037 (HPRFI-00112), DRFI-00038 (HPRFI-00113)
NIC Rating and Reverberation Time	Refer to PSOS Section 3.3.5 Acoustics and Vibrations	
Wall Protection		
Group	Name	RFI Number
Sheet Protection	SRS (2135mm)	
Sheet Behind Sink	PVCu (2135mm)	HPRFI-00062
Room Finishes		
BIM ID	Name	RFI Number
Floor Finish		
EF-1	Epoxy Flooring, multicolour	DRFI-00316
Base Type		
INC-1	Integral Cove -150mm Height	DRFI-061 (HPRFI-00065)
Wall Finish		
PT	Paint, latex	
Wall Material		
GWB-2	Moisture Resistant Drywall	
Ceiling Finish		
EP-5	Paint, epoxy	
Ceiling Material		
GB-2	Moisture Resistant Gypsum Board	

The Big Picture Continued:

Room Data Report - RDR
PCL Submission - Ver 3.2

HIEP
Halifax Infirmary Expansion Project

Room Number: 08-I-022.01
Room Name: Solids room
Department: 08-I Medical Surgical Units
Room Classification: RC-270-04
Model Name: HIEP-A-08-TOW-L8_L10

Accessories

BIM ID	Name	Quantity
A-1	PAPER TOWEL DISPENSER	2
A-2	HAND SANITIZER DISPENSER	1
A-40	SOAP DISPENSER WITH DRIP TRAY	2
A-3	WASTE RECEPTACLE	1

Total: 6

Room Data Report - RDR
PCL Submission - Ver 3.2

HIEP
Halifax Infirmary Expansion Project

Room Number: 08-I-022.01
Room Name: Solids room
Department: 08-I Medical Surgical Units
Room Classification: RC-270-04
Model Name: HIEP-A-08-TOW-L8_L10

Doors

Name	Number	FR	HWG	Type	FIN	P1	P2	MAT	FIN	QTY
J-Single-1220x2135	D-08-I022.01-a	45	STO-105.5F01	P	P01		PS	P	1	1

Exterior Windows

Status	BLB	IR	IB	MC	FR	RS	T/L
Prohibited	<input type="checkbox"/>						

Interior Windows

Name	Number	FR	GLZ	MAT	FIN	OP	BLB	IR	IB	MC	FR	RS	T/L
No windows in this room.													

Millwork

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Stainless Steel Casework/Modular Casework

Item Group	BIM ID	Name	QTY
Lower	SBS-1	1525x610 (840)	1
Upper	SOF	SOF-Ww4R0 (540)	1
Total: 2			

MEP-01

BIM ID

A-ABD-000 REFER TO 2.0.0.0 FOR ABBREVIATIONS AND DEFINITIONS
A-PLU-000 PLUMBING FIXTURES - REFER TO 2.0.0.0 PLUMBING FIXTURE ASSIGNMENT SCHEDULE
A-PLU-000 PLUMBING SERVICES - REFER TO PLUMBING FIXTURES SCHEDULE AND FTE ELDR FOR REQUIREMENTS
A-CAS-00 MEDICAL GAS OUTLETS - REFER TO 5.4.3 MEDICAL EQUIPMENT REPORT SCHEDULE
A-ELE-00 ELECTRICAL RECEPTACLES - REFER TO 2.2.0.0.3 POWER CONNECTION QUANTITIES
WST Sprinkler Type: Wet
CHEM-2 Chemical Agent: No
CSH-1 Sprinkler Head Type: Concealed
NON-PC Patient Care Class - Non-Patient Care
LTG-63 Lighting Target Type: 63 - Solids Room
LCT04 Standard: RP-20-22
Lighting Target Location Height: 0m
Illumination Level: 300 lux
Uniformity: 3:1
Lighting Control Type: 04
Occupancy Sensors
Wall Switches

9/2/2023 11:29 AM sunayna.sakija@arcadis.com Generated by dRofus © 2023-2024 Arcadis Inc. Page 4

Room Data Report - RDR
PCL Submission - Ver 3.2

HIEP
Halifax Infirmary Expansion Project

Room Number: 08-I-022.01
Room Name: Solids room
Department: 08-I Medical Surgical Units
Room Classification: RC-270-04
Model Name: HIEP-A-08-TOW-L8_L10

Doors

Name	Number	FR	HWG	Type	FIN	P1	P2	MAT	FIN	QTY
J-Single-1220x2135	D-08-I022.01-a	45	STO-105.5F01	P	P01		PS	P	1	1

Exterior Windows

Status	BLB	IR	IB	MC	FR	RS	T/L
Prohibited	<input type="checkbox"/>						

Interior Windows

Name	Number	FR	GLZ	MAT	FIN	OP	BLB	IR	IB	MC	FR	RS	T/L
No windows in this room.													

Millwork

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Stainless Steel Casework/Modular Casework

Item Group	BIM ID	Name	QTY
Lower	SBS-1	1525x610 (840)	1
Upper	SOF	SOF-Ww4R0 (540)	1
Total: 2			

MEP-01

BIM ID

A-ABD-000 REFER TO 2.0.0.0 FOR ABBREVIATIONS AND DEFINITIONS
A-PLU-000 PLUMBING FIXTURES - REFER TO 2.0.0.0 PLUMBING FIXTURE ASSIGNMENT SCHEDULE
A-PLU-000 PLUMBING SERVICES - REFER TO PLUMBING FIXTURES SCHEDULE AND FTE ELDR FOR REQUIREMENTS
A-CAS-00 MEDICAL GAS OUTLETS - REFER TO 5.4.3 MEDICAL EQUIPMENT REPORT SCHEDULE
A-ELE-00 ELECTRICAL RECEPTACLES - REFER TO 2.2.0.0.3 POWER CONNECTION QUANTITIES
WST Sprinkler Type: Wet
CHEM-2 Chemical Agent: No
CSH-1 Sprinkler Head Type: Concealed
NON-PC Patient Care Class - Non-Patient Care
LTG-63 Lighting Target Type: 63 - Solids Room
LCT04 Standard: RP-20-22
Lighting Target Location Height: 0m
Illumination Level: 300 lux
Uniformity: 3:1
Lighting Control Type: 04
Occupancy Sensors
Wall Switches

9/2/2023 11:29 AM sunayna.sakija@arcadis.com Generated by dRofus © 2023-2024 Arcadis Inc. Page 2

Room Data Report - RDR
PCL Submission - Ver 3.2

HIEP
Halifax Infirmary Expansion Project

Room Number: 08-I-022.01
Room Name: Solids room
Department: 08-I Medical Surgical Units
Room Classification: RC-270-04
Model Name: HIEP-A-08-TOW-L8_L10

Doors

Name	Number	FR	HWG	Type	FIN	P1	P2	MAT	FIN	QTY
J-Single-1220x2135	D-08-I022.01-a	45	STO-105.5F01	P	P01		PS	P	1	1

Exterior Windows

Status	BLB	IR	IB	MC	FR	RS	T/L
Prohibited	<input type="checkbox"/>						

Interior Windows

Name	Number	FR	GLZ	MAT	FIN	OP	BLB	IR	IB	MC	FR	RS	T/L
No windows in this room.													

Millwork

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Stainless Steel Casework/Modular Casework

Item Group	BIM ID	Name	QTY
Lower	SBS-1	1525x610 (840)	1
Upper	SOF	SOF-Ww4R0 (540)	1
Total: 2			

MEP-01

BIM ID

IHS-1
EEW-1
S-5
S-9

ICAT-01

BIM ID

NC-0
VS00
PB00
IC00
CLT-00
ID01
ACB
CC00

Name

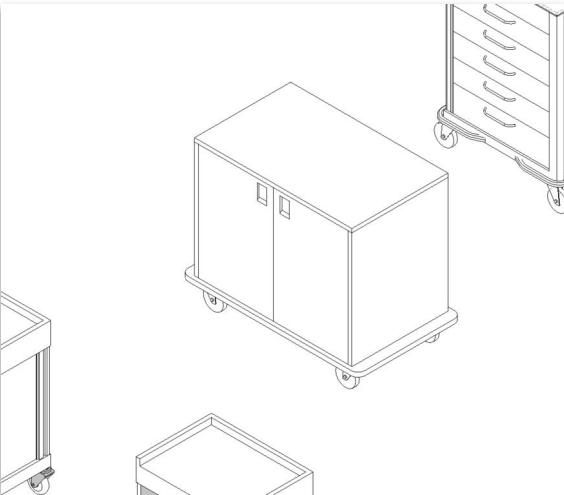
Nurse Call - No Nurse Call
Video Surveillance Type: 00 - No Video Surveillance
Panic Button Type: 00 - No Panic Button
Intrusion Detection Type: 00 - No Intrusion
Clock Type: 00 - No Clock
Intrusion Detection Type: 01 - Door Monitoring
Door Contact
Access Control Type: B - Secure Door with Card Reader on One Side
Card Reader
CCTV Coverage Type: 00 - No Coverage
Room is not covered by CCTV

A-AV-00
A-DATA-00
A-DATA-000

AV ROOM TYPE - REFER TO PSOS 3.7.18 ICAT AV + DATA REPORT
DATA DROPS QUANTITIES - REFER TO PSOS 3.7.18 ICAT AV + DATA REPORT
PSOS CLAUSE 3.7.14.3(2) - 50% CONTINGENCY AV DATA DROPS ARE REQUIRED FOR EVERY ROOM WITH AV DATA REQUIREMENTS

9/2/2023 11:29 AM sunayna.sakija@arcadis.com Generated by dRofus © 2023-2024 Arcadis Inc. Page 3

The Ecosystem: Two Sides of the Same Coin



- Creating & Refining Revit Families
 - Ensuring Quality of Digital Assets
 - Linking Families to dRofus

Content Management (The Building Blocks)



Data Management (Connecting the Dots)



The screenshot shows the InfraWorks software interface. The left sidebar displays the 'Navigation pane' with the 'Mobile X-Ray Unit' project selected. The main workspace shows the 'Equipment' tab for the 'Mobile X-Ray Unit' item. The table lists various components with their descriptions and quantities:

Item ID	Item Number	BIM ID	Name
13786	FFE0101.968	XRM0-B2	MOBILE X-RAY UNIT
13783	FFE0101.679	XRHY-3	HYBRID INTERVENTIONAL...
13781	FFE0101.677	XRHY-2C	CONTROL UNIT FOR HYBRI...
13780	FFE0101.676	XRHY-2	HYBRID INTERVENTIONAL...
20632	FFE0101.843	XRFU-1	X-RAY, RAD/FLUORO, DIGIT...
20631	FFE0101.842	XRFU-7	X-RAY, RAD/FLUORO, DIGIT...
13777	FFE0101.673	XRDU-1C	X-RAY UNIT, CONTROL CON...
13776	FFE0101.672	XRDU-1	X-RAY UNIT, GENERAL RADI...
13775	FFE0101.671	XROCP-1C	X-RAY DENTAL COM. BEAM
13774	FFE0101.670	XROCP-1	X-RAY DENTAL COM. BEAM
24140	FFE0101.966	XRCAR-5W	IMAGING, K-ARM, C-ARM WI...
13773	FFE0101.669	XRCAR-5M	IMAGING, K-ARM, C-ARM WI...
23862	FFE0101.948	XRCAR-5	IMAGING, K-ARM, C-ARM WI...
17144	FFE0101.718	XRCAR-5	IMAGING, K-ARM, C-ARM WI...
13772	FFE0101.658	XRCAR-3	MINIC-ARM/ANT.
23211	FFE0101.890	XRCAR-2	IMAGING, X-RAY, K-ARM WI...
13771	FFE0101.667	XCYST-2	C-ARM RAD/FLUORO, DIGIT...
13770	FFE0101.666	XCYST-2C	X-RAY IMAGING, CYSTOSCO...
13769	FFE0101.665	WISEND-1	WORKSTATION, CARBON END...
13768	FFE0101.664	WSCRST-1	WASHER/DISINFECTOR, CAR...
23161	FFE0101.872	WOLE-9	WORKBENCH, ANTI-REFLECT...
13766	FFE0101.662	WOLE-4	WORKBENCH, W/LIGHT, DR...
13765	FFE0101.661	WLRB-3	WALKER, HIGH WHEEL
13764	FFE0101.660	WLUR-5	WALKER, ADULT
13763	FFE0101.659	WINPA-2	WINDOW, PASS-THROUGH...
23954	FFE0101.959	WINPA-10	WINDOW, PASS-THROUGH...
13762	FFE0101.658	WINPA-12	WINDOW, PASS-THROUGH...

- Investigating Data Discrepancies
 - Final QA/QC & Data Exports for Submissions

Content Management in Action:

From a Request to a Usable Family

Resourceful Modeling

- From Cutsheets and & Web Links

Inter-Team Coordination

- Clarifying Vague Requirements

dRofus and UNIFI

- Work on the families through dRofus and UNIFI portals

EQUIPMENT SUMMARY		
Halifax Infirmary Expansion Project - Wave 01		
DESCRIPTION: WATER SYSTEM, REVERSE OSMOSIS, PORTABLE		WAROP-3
MANUFACTURER: MAR COR PURIFICATION		
MODEL: MILLENIUM HX		
SYNOPSIS: PORTABLE WATER PURIFICATION REVERSE OSMOSIS WITH HEAT DISINFECTION, TYPICALLY USED FOR PORTABLE DIALYSIS, LABORATORY OR MEDICAL DEVICE REPROCESSING, COLOR TOUCH SCREEN LCD DISPLAY, QUIET OPERATION, NOMINAL PRODUCT FLOW RATE AT 77°F (25°C): 1970 ML/MIN.		
GENERAL INFORMATION		PHYSICAL INFORMATION
EQUIPMENT TYPE: MAJOR MOVEABLE ARCH. SIGNIFICANT(ASE): YES PLACEMENT: PORTABLE SHOP DRAWINGS: NO		HEIGHT(IN): 26.50 WIDTH(IN): 8.50 DEPTH(IN): 23.50 WEIGHT(LB): 70.00 HEIGHT(CM): 64.77 WIDTH(CM): 21.59 DEPTH(CM): 59.69 WEIGHT(KG): 31.75
ELECTRICAL INFO	PLUMBING INFO	MECHANICAL INFO
VOLTAGE: 115 HERTZ: 60 WATTS: N/A AMPS: 6 PHASE: SINGLE DEDICATED CIRCUIT: NO CONNECTION: NEMA 5-15P EMERGENCY POWER: NO UPS REQUIRED: NO	COLD WATER: YES HOT WATER: NO SPECIAL WATER: NO DRAIN: YES STEAM: NO MEDICAL GAS: NO VACUUM: NO COMPRESSED AIR: NO	BTUS: N/A BTUS/HR: N/A VENTED: NO DATA-NETWORK INFO. NETWORK REQUIRED: YES
NOTES		
ELECTRICAL NOTES: N/A		
PLUMBING NOTES: DRAIN IS REQUIRED AND COLD WATER CONNECTION AT LOCATION WHERE IT IS USED, FEED WATER : 0.8 GPM, 20-45 PSI DRAIN: 0.32 GPM,		
OTHER REMARKS: N/A		

Content Management in Action Continued:

From a Request to a Usable Family

Resourceful Modeling

- From Cutsheets and & Web Links

Inter-Team Coordination

- Clarifying Vague Requirements

dRofus and UNIFI

- Work on the families through dRofus and UNIFI portals

The screenshot shows the UNIFI software interface for managing content requests. A modal window titled "Content Request: 3110 - SHFO-4A" is displayed over a Revit 2024 project file. The request is currently pending. The details section includes:

- Requested By:** angelica.gaudia@arcadis.com
- Date Requested:** 9/25/2025
- Due Date:** 10/2/2025 3:24 PM
- Project Number:** Optional - for internal use only
- Project Name:** HIEP
- Priority:** Medium Priority
- Company:** Arcadis_Legacy 1
- Libraries:** 142131-HIEP-QEI Halifax Infirmary Expans.

In the "Content Type" section, the file type is set to Autodesk Revit and the file name is SHFO-4A. The description field contains a note about requesting content creation for SHFO-4A, mentioning it's a custom fabrication of tempered glass with stainless steel mounts, and refers to attached files for plan and elevation dimensions. Measurement units are set to Imperial, and standards are set to Normal.

At the bottom, there is a section for "Attached Design Documents" with a link to "SHFO-4A_Plan & Elevation.png" and a button to "Download all attachments".

Data Management in Action:

More Than Just Syncing

Troubleshooting Model Integrity

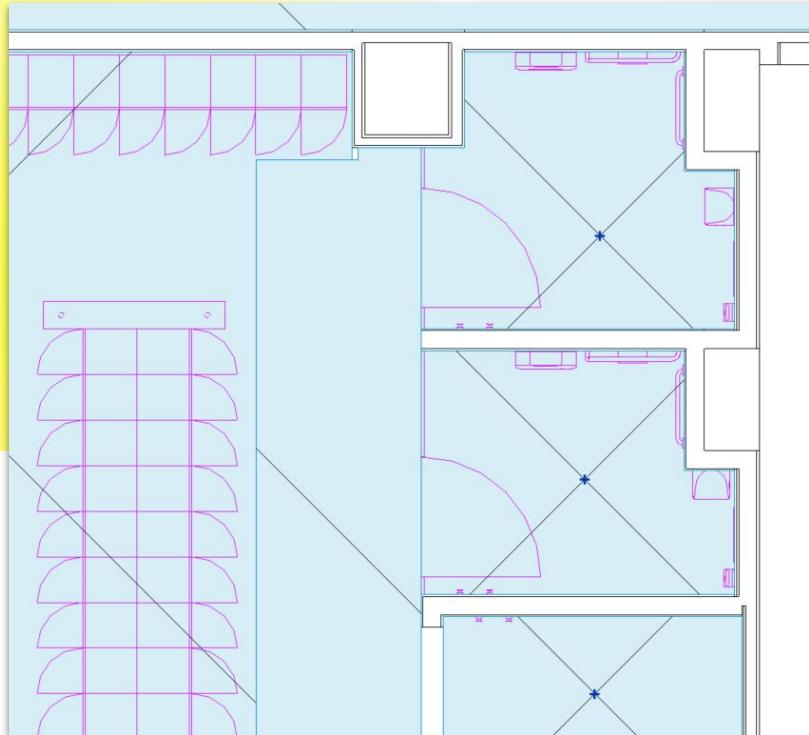
- Integrating deleted doors
- Finding duplicate geometry
- Flagging cross-functional misalignments

Ensure Data Accuracy

- Fixing unlinked "ghost" families

The Final Push for Submissions

- Accessory cleanup & final counts



Data Management in Action Continued:

More Than Just Syncing

Troubleshooting Model Integrity

- Integrating deleted doors
- Finding duplicate geometry
- Flagging cross-functional misalignments

Ensure Data Accuracy

- Fixing unlinked “ghost” families

The Final Push for Submissions

- Accessory cleanup & final counts

A	B	C	D	E	
DOOR NUMBER	Door Configuration	dRofus Item ID	Occurrence	dRofus Comments	NUMBER
L5					
D-14A-I-058-01-a	AA	7097179		20241011-YL-Door Type/Size change & Door Swing change; subroom issue	14A-I-058.01
D-14A-I-030-01-a	SGL	7097176		Done-20250730-MDB-new door size	14A-I-CORR.006.013
D-05-I-120-01-a	SGL	7097175		Done-20250730-MDB-new door size	05-I-CORR.005
D-05-I-113-01-a	AI	7012992		Done-20250826-TL-Door Type/Size change	05-I-CORR.016.02
D-40 MC PDM L5.001-a	AA	6882419		Done-20250805-JK-New door - mech closet	40 MC PDM L5.001
D-14A-I-047-01-b	AA	6349440		Done-20250724-Door Number Change: 20241025-YL-Door panel change - door n	14A-I-047.01
D-40 PDM L5.002-a	AA	6342773			40 PDM L5.002
D14A-I-061-01-a	SGL	6341373		20250730-MDB-new door size. Done-20250718-TL-New Door	14A-I-CORR.013.01
D-14A-I-CORR.015-b	DE	6336109		Done-20250718-TL-New Door	14A-I-CORR.008
D-14A-I-023-01-a	SGL	6277027		Done-20250711-DP-Door Type/Size change	14A-I-CORR.006.03
D-14A-I-023-02-a	SGL	6277026		Done-20250711-DP-Door Type/Size change	14A-I-CORR.006.01
D-05-I-119-01-a	SGL	6277025		Done-20250711-DP-Door Type/Size change	05-I-CORR.004.01
D-14A-I-080-02-03-a	SGL	6275152		Done-20250509-YL-New door	14A-I-080.02.01
D-14A-I-080-01-03-a	SGL	6275151		Done-20250509-YL-New door	14A-I-080.01.01
D-43 VEST PDM L5.008-a	SGL	6261363		Done-20250108-KI-Name Change	14A-I-006.01.03
D-41 EC PDM L5.014-a	AA	6243320		Done-20250423-JK-New Elec closet added	41 EC PDM L5.014
D-05-I-089-01-03-a	TSA	6242287		Done-20250328-YL-Door Type/Size change	05-I-089.01.03
D-31-I-CORR.028-e	SGL	6242283			31-I-CORR.028.01
D-31-I-CORR.028-a	SGL	6242273			31-I-CORR.028.04
D-41 EC PDM L5.011-a	AA	6242212		Done-20250314-YL-NEW DOOR	41 EC PDM L5.011
D-41 UPS PDM L5.004-a	AA	6242211		Done-20250424-YL-Rehosted	41 UPS PDM L5.004
RD-43 CORR.PDM L5.007-a	DE	6242210		Done-20240910-YL-Door Type/Size change	43.CORR.PDM L5.007
D-46-I-UNA-PDM L5.002-a	AA	6242209		Done-20240910-YL-Door Type/Size change	
RD-43 CORR.PDM L5.010-a	AA	6242208			43.CORR.PDM L5.010
D-41 EC PDM L5.001-a	AA	6242197		Done-20250314-RJ-Door Size Change & Renumbering- Please renumber to D-41. 41 EC PDM L5.001	
D-41 ELEC PDM L5.001-a	SGL	6242196		Done-202040430-JK-New door to access elec shaft	31-I-CORR.028.01
D-14A-I-019-01-02-a	AI	6242195			14A-I-019.01.02
D-14A-I-046-01-02-a	SS	6242188			14A-I-046.01.02
D-43 CORR.PDM L5.011-b	SGL	6242187		door number confirmation	14A-I-CORR.001.02
D-14B-I-CORR.001-a	SGL	6242186		subrooms	43.CORR.PDM L5.001
D-14B-I-CORR.001-b	SGL	6242185		subrooms	14A-I-CORR.014

Data Management in Action Continued:

More Than Just Syncing

Troubleshooting Model Integrity

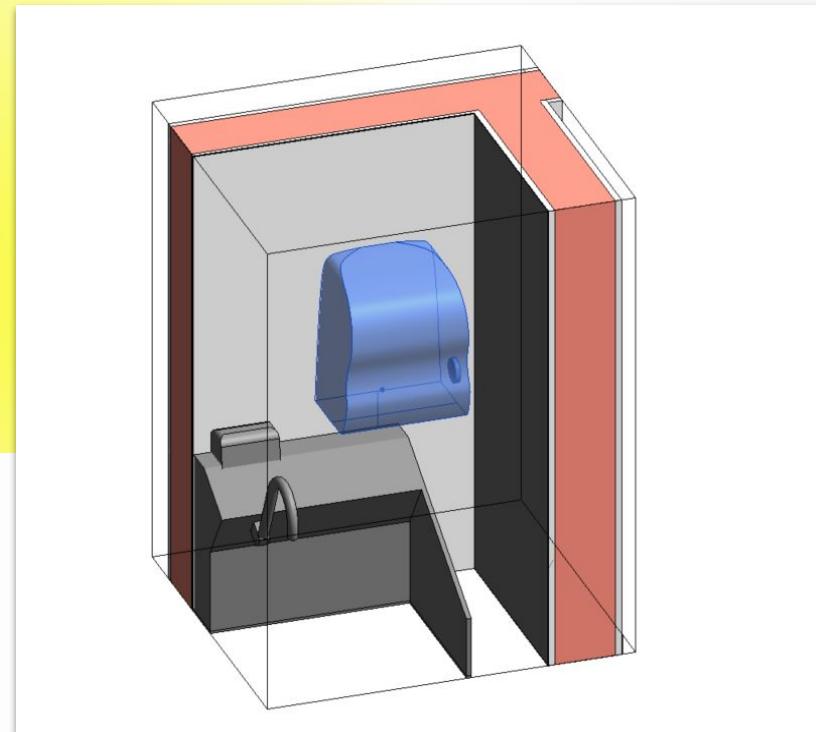
- Integrating deleted doors
- Finding duplicate geometry
- Flagging cross-functional misalignments

Ensure Data Accuracy

- Fixing unlinked “ghost” families

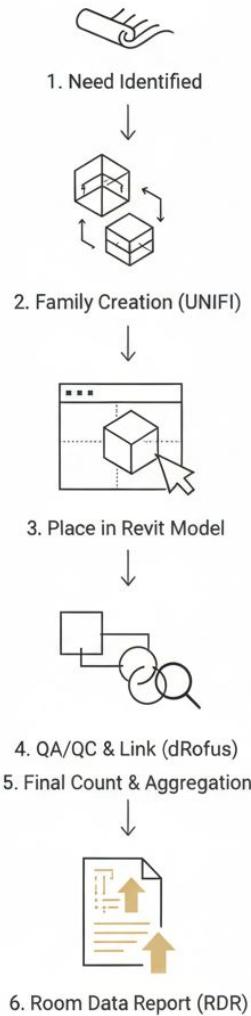
The Final Push for Submissions

- Accessory cleanup & final counts



A Full Cycle Example:

The Journey of an Accessory





Any questions? Ask away!