



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

HIEP
 Halifax Infirmary Expansion Project

Room Number	08-1022.01	
Room Name	Sold utility room	
Department	08-1: Medical Surgical Units	
Room Classification	RC-270-04	
Model Name:	HIEP-A-08-TOW-L8_L10	

Area	
Programmed Area	130.00
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-00081), DRFI-00037 (HPRFI-00112), DRFI-00038 (HPRFI-00133)
NC 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	

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 www.nshs.ca/join/portal/

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Page 1

The Big Picture Continued:




Room Data Report - RDR
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HIEP
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Room Number
 Room Name
 Department
 Room Classification
 Model Name:

08-1022.01
 Soiled utility room
 08-1 Medical Surgical Units
 RC-270-04
 HIEP-A-08-TOW-L8_L10




Accessories

BIM ID	Name	Quantity
A-1	PAPER TOWEL DISPENSER	2
A-2	HAND SANITIZER DISPENSER	1
A-4b	SOAP DISPENSER WITH DRIP TRAY	2
A-3	WASTE RECEPTACLE	1
		Total: 6

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Page 4




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 HIEP-A-08-TOW-L8_L10



Doors

Name	Number	Frame				Panel				QTY
		FR	HWG	Type	FIN	P1	P2	MAT	FIN	
I-Single-1220x2135	D-08-1022.01-a	45	STO-105	SFO1	P	P01		PS	P	1

Exterior Windows

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

Interior Windows

Name	Number	Frame				Window Treatment						
		FR	GLZ	MAT	FIN	OP	BLB	IR	IB	MC	RP	RS
No windows in this room.												

Millwork

	Yes	No
Millwork in room	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Stainless Steel Casework/Modular Casework

Item Group	BIM ID	Name	QTY
Lower	SBS-1	1525x610 (860)	1
Upper	SCF	SCF - Wx480 (340)	1
			Total: 2


MEP-01

BIM ID	Name
A-ABSR-00	REFER TO 2.2.00.01 FOR ABBREVIATIONS AND DEFINITIONS
A-PLU-00	PLUMBING FIXTURES - REFER TO 2.2.00.0 PLUMBING FIXTURE ASSIGNMENT SCHEDULE
A-PLU-000	PLUMBING SERVICES - REFER TO PLUMBING FIXTURES SCHEDULE AND FFE EUDR FOR REQUIREMENTS
A-GAS-00	MEDICAL GAS OUTLETS - REFER TO 5.4.3 MEDICAL EQUIPMENTS REPORT SCHEDULE
A-ELE-00	ELECTRICAL RECEPTACLES - REFER TO 2.2.00.8 POWER CONNECTION QUANTITIES
WST	Sprinkler Type: Wet
CHEM-2	Chemical Agent: No
CS-1-1	Sprinkler Head Type: Concealed
NON-PC	Patient Care: Class - Non-Patient Care
LT163	Lighting Target Type 03 - Soiled Rooms
	Standard RP-29-22
	Lighting Calculation Height: 0m
	Illumination Level: 300 lux
	Uniformity: 2:1
LC104	Lighting Control Type 04
	Occupancy Sensors
	Wall Switches

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Page 2




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BIM ID

Name
LT08
Lighting Type 08
Direct Lighting
Network Lighting
FAT00
Fire Alarm Type 00 - No RA
HVAC-7.1
CSA Table 1 Reference No.7.1 - Clinical support space - Soiled utility
Clinical support space - Soiled utility
CSA Table 4 Reference: Soiled laundry, bulk storage, soiled holding
CSA Type - 3
Relative Pressurization: N
Minimum Outdoor Air Change/h - 0
Minimum Total Air Change/h - 10
Minimum Room Temperature: No Req
Maximum Room Temperature: No Req
Minimum Room Relative Humidity: No Req
Maximum Room Relative Humidity: No Req
Temperature Monitor: Y
Relative Humidity Monitor: N
CSA Exhaust Requirement: Req
Relative Pressurization Monitor: N
Monitor Sensor Location: Room temperature and zone RH
Monitor Reader Location: N/A
Alarm Location: N/A
Local Control - No
H95-1
HAND HYGIENE SINK
Wash 120V 1/4" 1/4" Direct Connection
EEW-1
EMERGENCY EYEWASH - WALL
S-5
SINK - HOPPER
S-9
SINK - WORKROOM

ICAT-01

BIM ID	Name
NC-0	Nurse Call - No Nurse Call
VS00	Video Surveillance Type 00 - No Video Surveillance
PB00	Panic Button Type 00 - No Panic Button
IC00	Intercom Type 00 - No Intercom
CLT-00	Clock Type 00 - No Clocks
ID01	Intrusion Detection Type 03 - Door Monitoring
	Door Contact
ACB	Access Control Type B - Secure Door with Card Reader on One Side
	Card Reader
CC00	CCTV Coverage Type 00 - No Coverage
	Room is not covered by CCTV
A-AV-00	AV ROOM TYPE - REFER TO PS05 3.7.18 ICAT AV - DATA REPORT
A-DATA-00	DATA DROP QUANTITIES - REFER TO PS05 3.7.18 ICAT AV - DATA REPORT
A-DATA-000	PS05 CLAUSE 3.7.14.3(2) - 50% CONTINGENCY AV DATA DROPS ARE REQUIRED FOR EVERY ROOM WITH AV DATA REQUIREMENTS

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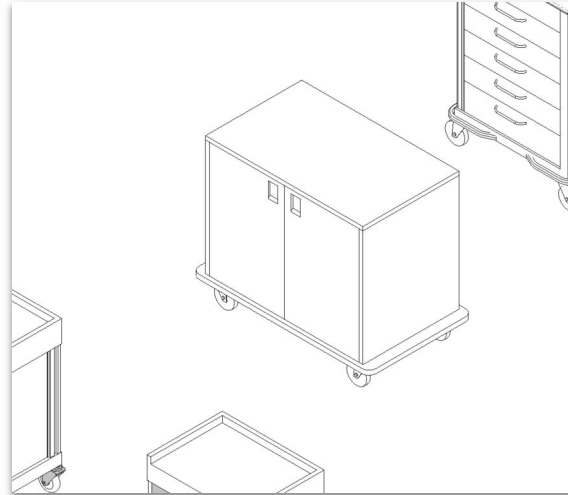
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Page 3

The Ecosystem:

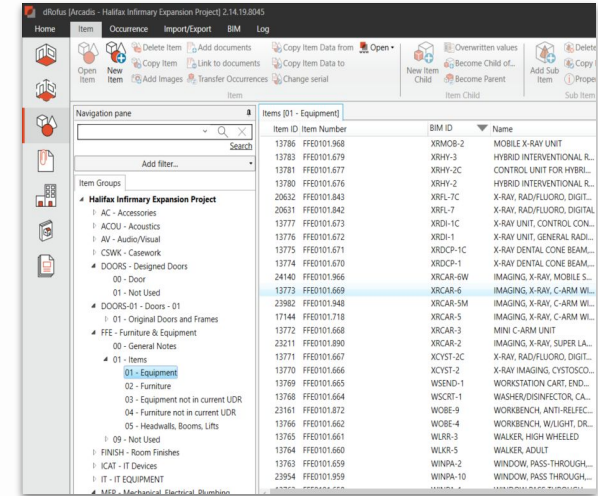
Two Sides of the Same Coin

Content Management (The Building Blocks)



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

Data Management (Connecting the Dots)



- 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: MILLENNIUM 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

EQUIPMENT TYPE: MAJOR MOVEABLE
ARCH. SIGNIFICANT(ASE): YES
PLACEMENT: PORTABLE
SHOP DRAWINGS: NO

PHYSICAL INFORMATION

HEIGHT(IN): 25,50
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

VOLTAGE: 115
HERTZ: 60
WATTS: N/A
AMPS: 6
PHASE: SINGLE
DEDICATED CIRCUIT: NO
CONNECTION: NEMA 5-15P
EMERGENCY POWER: NO
UPS REQUIRED: NO

PLUMBING INFO

COLD WATER: YES
HOT WATER: NO
SPECIAL WATER: NO
DRAIN: YES
STEAM: NO
MEDICAL GAS: NO
VACUUM: NO
COMPRESSED AIR: NO

MECHANICAL INFO

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

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The screenshot shows the UNIFI web interface for a content request. The browser title is 'UNIFI' and the page header indicates 'Revit 2024 (HIEP-A-06-POD-L5.rvt)' and user 'Sam Shahsavani'. The main heading is 'Content Request: 3110 - SHFO-4A' with a 'Reject Request' button in the top right.

Current Status: Pending

Requested By	Date Requested	Due Date
angelica.gaudia@arcadis.com	9/25/2025 (t)	10/2/2025 3:24 PM

Project Number	Project Name	Priority
Optional - for internal use only	HIEP	Medium Priority

Company: Arcadis_Legacy 1 → **Libraries:** 142131-HIEP-QEII Halifax Infirmary Expans

Content Type	Instructions
File Type Autodesk Revit Minimum Revit Year Revit 2024 Measurement Units Imperial Metric Standards Normal Special	File Name SHFO-4A Description Hello, would like to request content creation for "SHFO-4A". This is a custom fabrication of tempered glass with stainless steel mounts, please refer to attached jpeg for the plan and elevation dimensions.

Attached Design Documents

Drag and drop additional design documents, or choose files on your computer.

SHFO-4A_Plan & Elevation.png

Download all attachments

Data Management in Action:

More Than Just Syncing

Troubleshooting Model Integrity

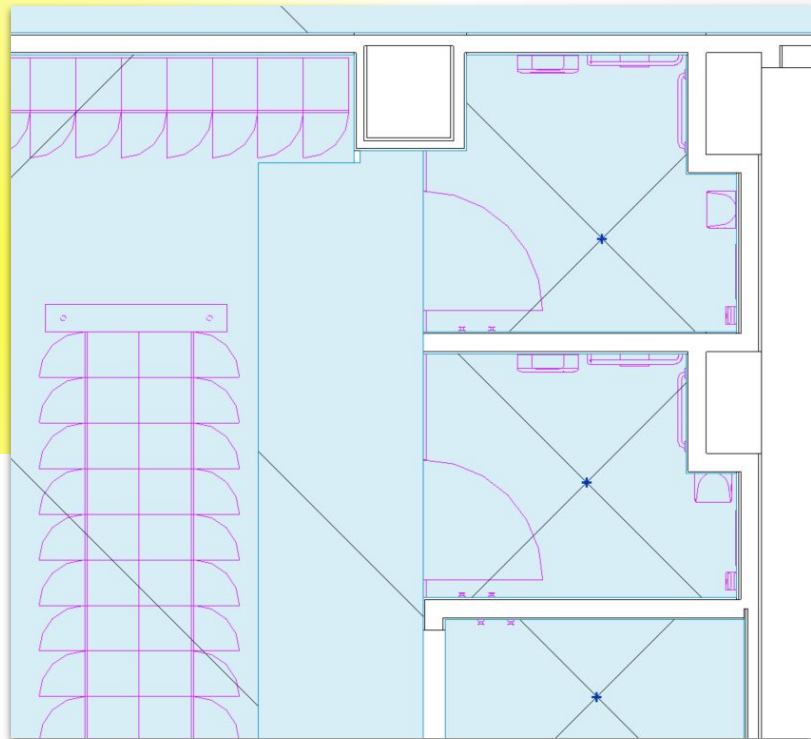
- Integrating deleted doors
- Finding duplicate geometry
- Flagging cross-functional misalignments

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
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A	B	C	D	E	F
DOOR NUMBER	Door Con	dRofus Item ID	dRofus Comments	NUMBER	
figuration	Occurrence				
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.006.015	
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.089.01.03.01-a	TSA	6242287	Done-20250328-YL-Door Type/Size change	05-I.089.01.03.01	
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-20240430-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

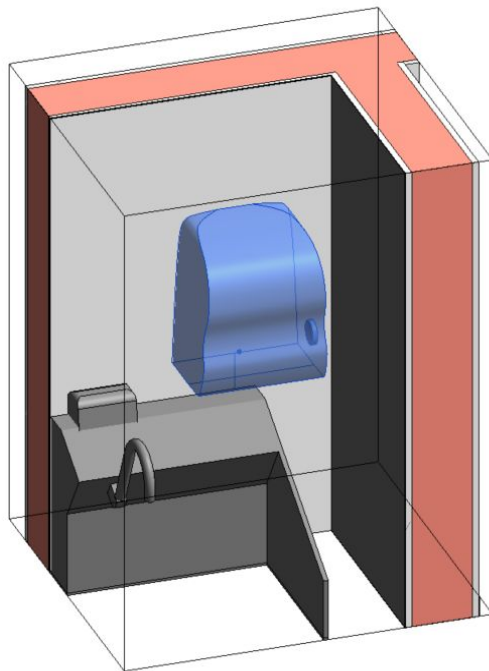
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- Fixing unlinked "ghost" families

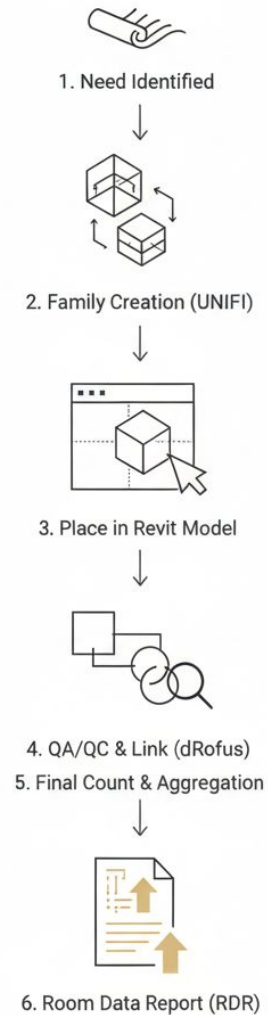
The Final Push for Submissions

- Accessory cleanup & final counts



A Full Cycle Example:

The Journey of an
Accessory





**Any questions?
Ask away!**