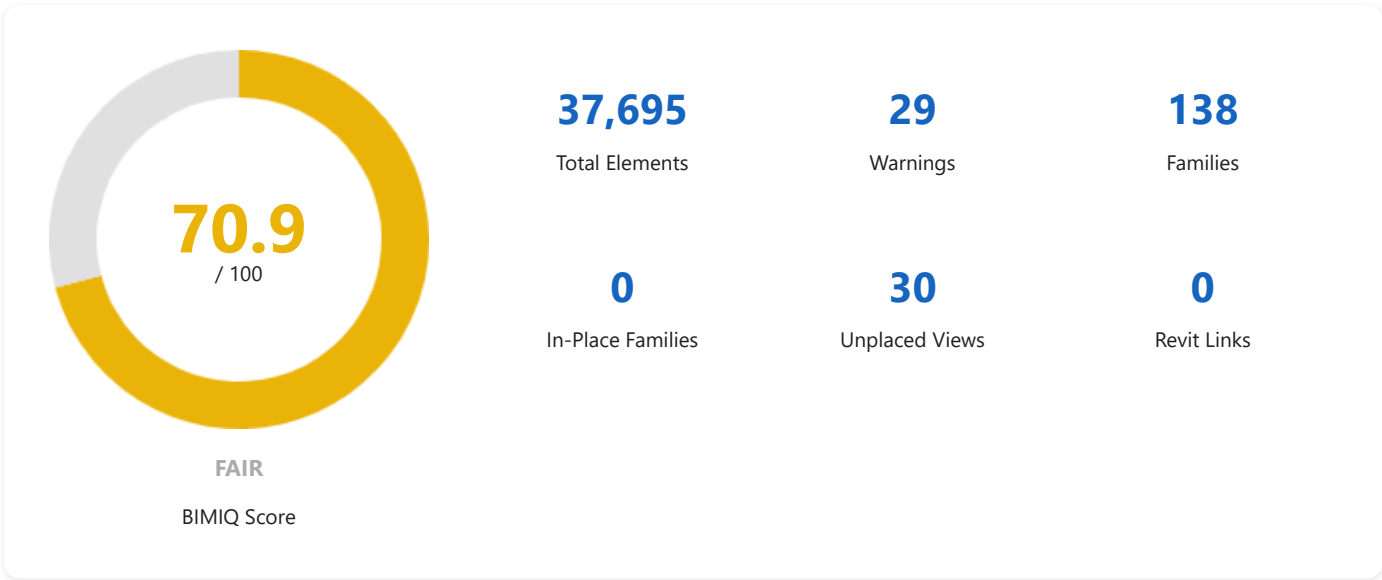




 **CRITICAL ISSUES**

4 items require attention

- SheetCompliance** — 38 of 50 sheets (76%) have no views placed. 41% of views are on sheets.
- LinkPlacement** — 1 link(s) placed over 10,000 m from the origin — likely mis-placed.
- FamilyLODDeviation** — 2 family(ies) are extreme outliers ($>3.5\sigma$ above avg). Worst: 'Safety_Station-Eyewash-Guardian_Equipment-G1994' — 598 faces (6.5σ , $12.0\times$ avg of 50).
- Warnings** — 24 CRITICAL, 2 High, 0 Medium, 3 Low warnings. Weighted impact: 128.

Audit Results			
Status	Rule	Score	Finding
FAIL	SheetCompliance	0	38 of 50 sheets (76%) have no views placed. 41% of views are on sheets.
FAIL	LinkPlacement	10	1 link(s) placed over 10,000 m from the origin — likely mis-placed.
WARNING	UnplacedViews	40	30 unplaced views — potential performance and coordination issue.
WARNING	FamilyFileSize	60	2 family(ies) exceed 1 MB. Largest: Maquet_OR_Light_8556 (1.20 MB).
WARNING	TotalElements	64	37,695 categorised elements — model size approaching performance threshold.
FAIL	FamilyLODDeviation	65	2 family(ies) are extreme outliers ($>3.5\sigma$ above avg). Worst: 'Safety_Station-Eyewash-Guardian_Equipment-G1994' — 598 faces (6.5σ , $12.0\times$ avg of 50).
FAIL	Warnings	74	24 CRITICAL, 2 High, 0 Medium, 3 Low warnings. Weighted impact: 128.
WARNING	UnusedFamilies	80	28 of 130 loadable families unused, 7 of 48 system types unused. consider purging. 74 unused materials can also be purged.

Status	Rule	Score	Finding
WARNING	ParameterDataQuality	99	Parameter data quality: 98.7/100 — 2 of 3 rules pass. 1 with warnings.
PASS	InPlaceFamilies	100	No in-place families found.
PASS	UnresolvedLinks	100	All 0 link(s) resolved.
PASS	Worksets	100	4 workset(s) configured.
PASS	FamilyFaceCount	100	All 127 families within face count limits. Model total: 242,957.
PASS	LODCompliance	100	Model LOD geometry is consistent with LOD 300 (500 face limit). Avg: 50 faces/family.

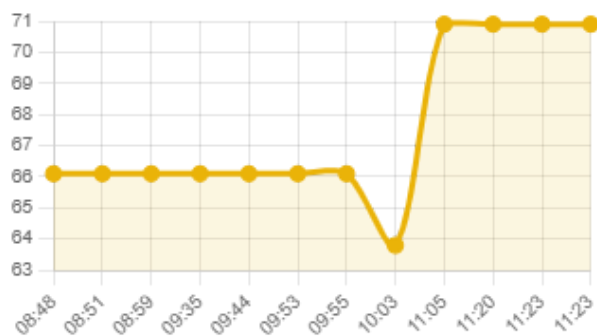
Model Trends

Based on 12 historical scans · Last scan: 13 Jul 2026

MODEL HEALTH

BIMIQ SCORE

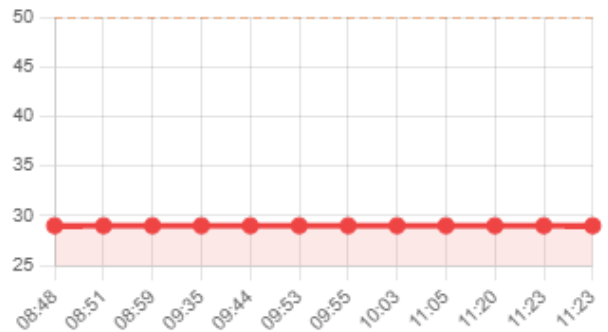
↑ +0.0



WARNINGS (TOTAL)

↑ +0.0

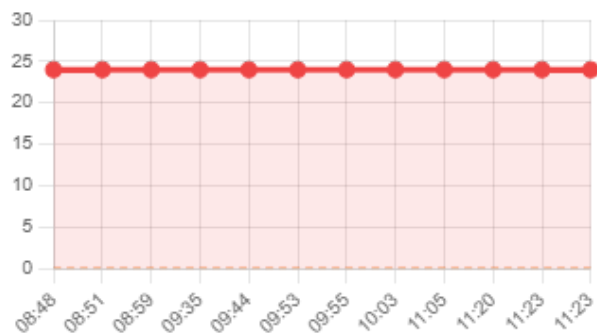
Stable at 29 warnings — 12 scans



WARNINGS — CRITICAL

↑ +0.0

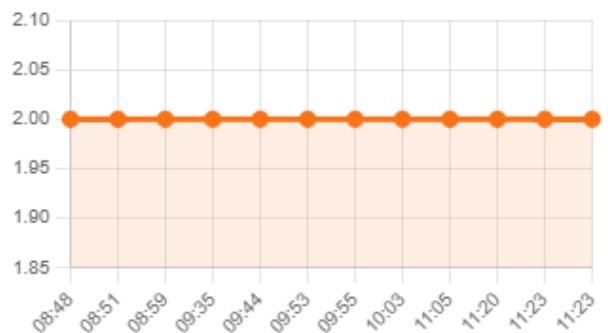
Stable at 24 warnings — 12 scans



WARNINGS — HIGH

↑ +0.0

Stable at 2 warnings — 12 scans

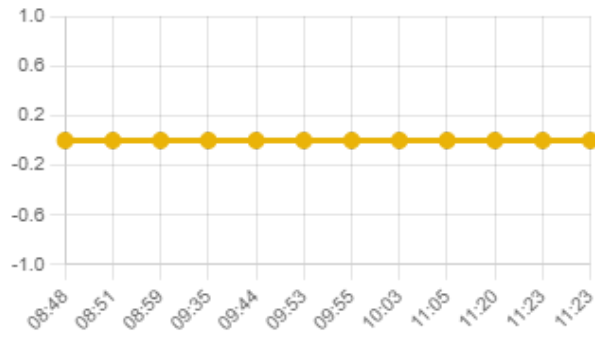
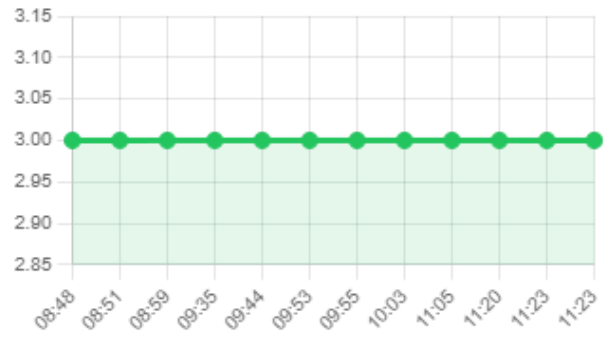


WARNINGS — MEDIUM

↑ +0.0

WARNINGS — LOW

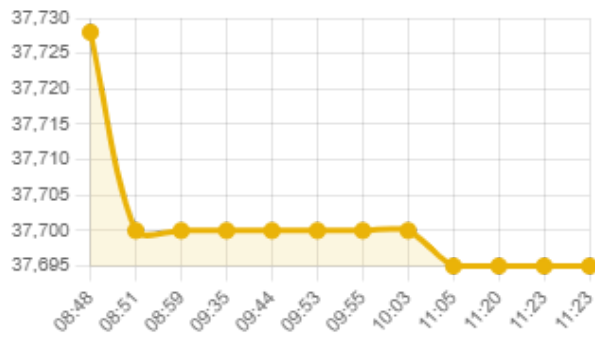
↑ +0.0

Stable at **0** warnings — 12 scansStable at **3** warnings — 12 scans

PERFORMANCE

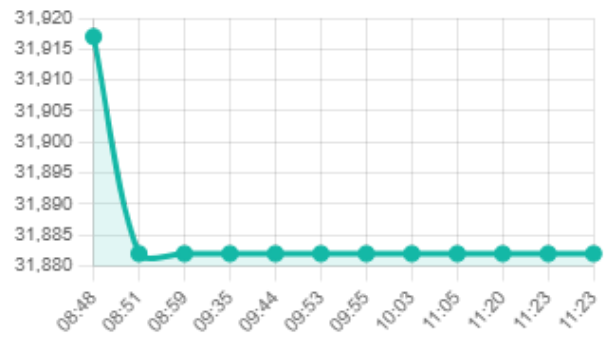
TOTAL ELEMENTS (INCL. UNPLACED)

↑ +0.0



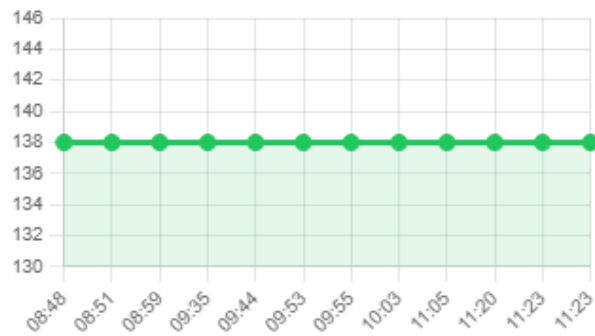
PLACED MODEL ELEMENTS

↑ +0.0



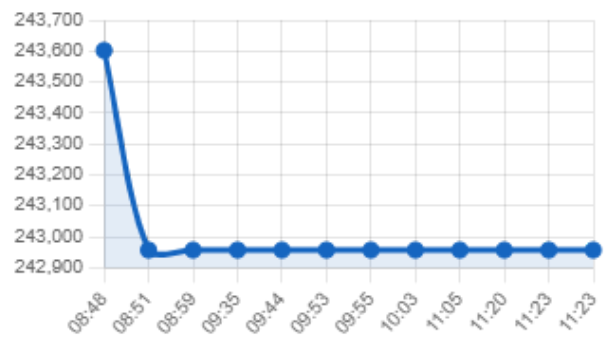
FAMILIES

↑ +0.0

Stable at **138** families — 12 scans

MODEL FACE LOAD

↑ +0.0



COORDINATION

VIEWS

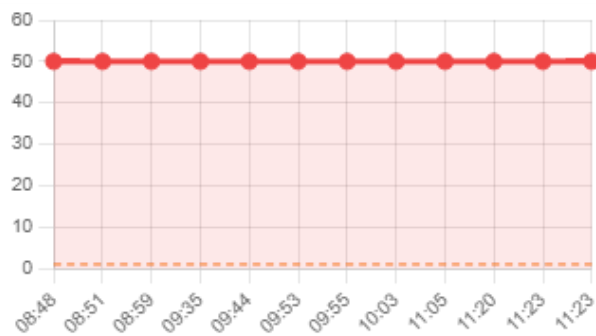
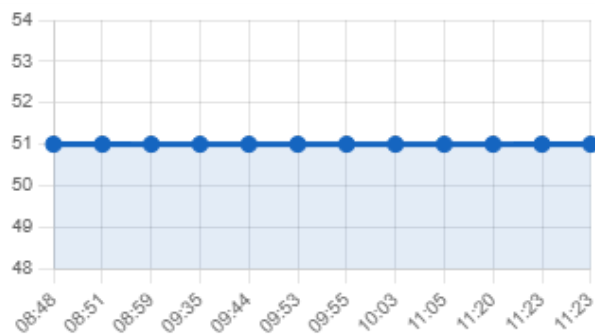
↑ +0.0

Stable at **51** views — 12 scans

SHEETS

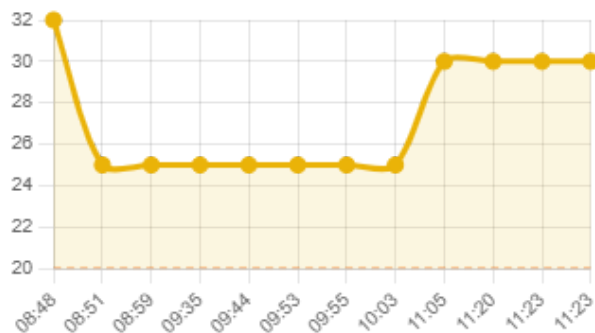
↑ +0.0

Stable at **50** sheets — 12 scans



UNPLACED VIEWS

↑ +0.0

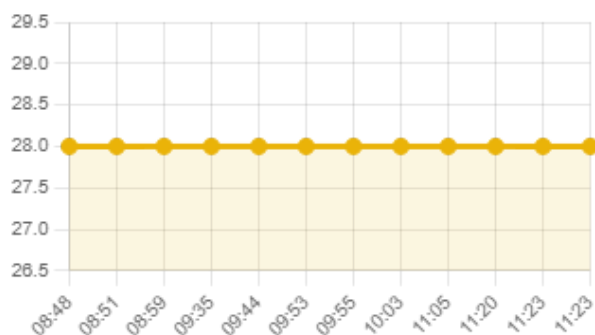


FAMILIES

UNUSED LOADABLE FAMS

↑ +0.0

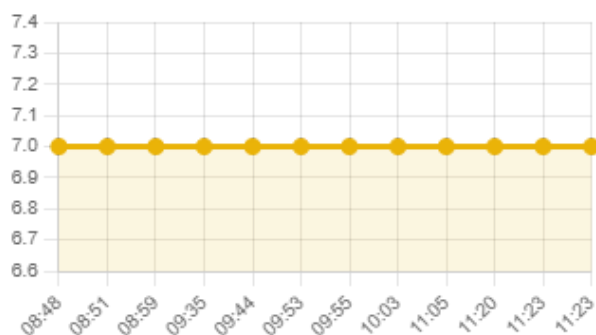
Stable at 28 families — 12 scans



UNUSED SYSTEM TYPES

↑ +0.0

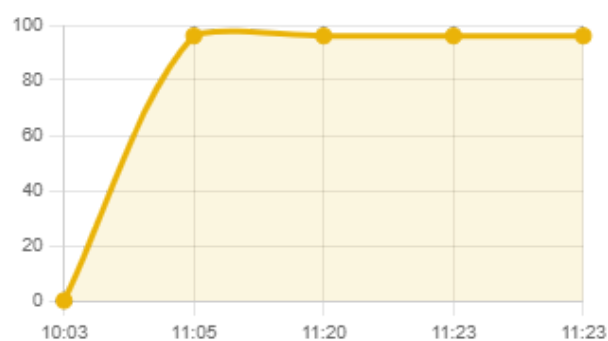
Stable at 7 types — 12 scans



DATA QUALITY

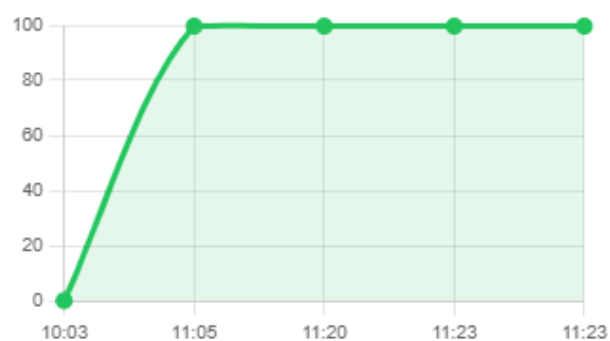
DOOR HEIGHT > 2000MM

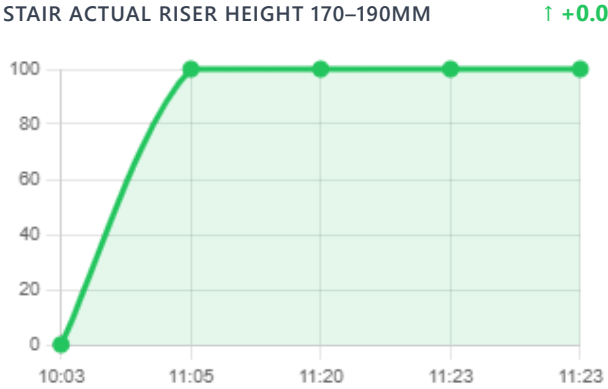
↑ +0.0



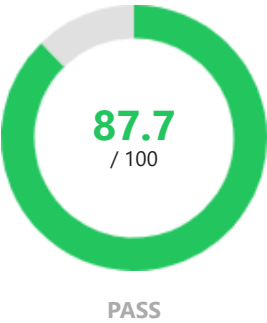
DOOR WIDTH > 800MM

↑ +0.0





BEP Compliance



FilenameCompliance	ModelStructure	DataQuality
80	100	83
AMBER	PASS	AMBER

ModelHealth	Coordination	FileIssue
100	100	71
PASS	PASS	AMBER

Status	Rule	Category	Weight	Score	Finding
FAIL	Model Detached	FileIssue	1.0	0	Model is not detached. Issued files must be saved as 'Detach from Central'.
AMBER	COBie Type Compliance	DataQuality	2.0	70	COBie Type data partially complete: 200/287 types (70%).
AMBER	ISO 19650 Filename	FilenameCompliance	1.5	70	Filename partially matches the configured naming convention (0 issue(s)).
PASS	COBie Space Compliance	DataQuality	2.0	96	COBie Space data: 269/279 spaces complete (96%).
N/A	Project Code	FilenameCompliance	1.0	100	No project code configured — rule not applicable.
PASS	Discipline Code	FilenameCompliance	0.8	100	Discipline code 'A' is valid.
PASS	Worksharing Enabled	ModelStructure	2.0	100	Model is workshared.
N/A	Level Naming	ModelStructure	1.5	100	No expected level names configured — rule not applicable.
PASS	Grid Naming	ModelStructure	1.0	100	All 37 grids have valid names.

Status	Rule	Category	Weight	Score	Finding
PASS	Project Base Point	ModelStructure	1.5	100	Project base point has been set to project coordinates.
N/A	Uniclass 2015 Compliance	DataQuality	1.5	100	No elements with Uniclass parameter found — rule not applicable.
PASS	Links Resolved	Coordination	2.0	100	No linked files — nothing to check.
PASS	Coordination Views	Coordination	1.0	100	1 coordination view(s) found: Navisworks.
N/A	No Orphaned Links	Coordination	1.0	100	No linked files in model — rule not applicable.
PASS	File Size	FileIssue	1.5	100	File size 52.3 MB is within the 750 MB limit.
PASS	Revit Version	FileIssue	1.0	100	Model is authored in Revit 2026 as required.



Performance Metrics

Timing measured by the BIMIQ Pulse add-in · Add-in list from the Revit session journal

MODEL OPEN TIME

7.2s

Wall-clock time from DocumentOpening to DocumentOpened event

INITIAL REGENERATION

1.2s

Revit model regeneration after file load (from journal)

AUDIT RUN DURATION

2.8s

Total time for the BIMIQ Pulse scan to complete

SYNC TO CENTRAL

No Sync to Central occurred during this session

Loaded Add-ins

15 third-party · 66 Autodesk built-in

Add-in	Vendor	Version	Status
Precast for Revit Autodesk, www.autodesk.com	RPCA	26.1.25281.3	✓ OK
Application BIMIQPulse BIMIQ Pulse BIM Model Intelligence & Health Analytics	Symetri	1.0.0.0	✓ OK
BIM Tier Report BIM Tier Report Geometry Complexity Analyser	BIMTIEREPORT	1.0.0.0	Error
C3DDrainage2BIM Lawrence Hooker - Structural / BIM Tools	LH	1.0.0.0	Error

Add-in	Vendor	Version	Status
Cage Export Cage Export  Rebar Connection Point Detector for FEA	YourVendorId	1.0.0.0	 Error
BIM Automation www.ctcsoftware.com	CTC_	22.0.21054.0	 Error
DocumentIssueSheet Drawing Register and Issue Sheet Engine	SYMETRI	1.0.0.0	 Error
Naviate.Core Symetri AB, www.symetri.com	CQTP	1.0.11.60000	✓ OK
NaviateAC Symetri AB, www.symetri.com	CQTP	26.3.3.0	✓ OK
NaviateS Symetri AB, www.symetri.com	CQTP	26.4.0.0	✓ OK
NaviateRE Symetri AB, www.symetri.com	CQTP	26.3.0.0	✓ OK
NaviateBO Symetri AB, www.symetri.com	CQTP	0.1.0.0	✓ OK
RevitLookup Lookup Foundation, https://github.com/lookup-foundation	LookupFoundation	2026.0.1.0	 Error
SpaceGen  Mass from Excel Symetri  SpaceGen tools for data-driven design	SYME	1.0.0.0	 Error
Split Structure Your Company Name	YOUR_VENDOR_ID	1.0.0.0	 Error

► Autodesk built-in add-ins (66)

2D Elements / Annotation Load

5 views analysed · 3,890 total 2D elements · **1 heavy views**

TOTAL 2D ELEMENTS ✓
3,890
Total 2D geometry + annotation elements across all views

HEAVY VIEWS (≥600) 
1
Views with 600+ 2D geometry elements — may slow screen redraws

WARN VIEWS (≥300) ✓
0
Views with 300–599 2D geometry elements

View	Type	Detail Lines	Filled Regions	Detail Comps	Model Lines	Text	Dims	DWG	Total 2D
Roof - Main On Sheet	FloorPlan	3,456	0	0	0	0	0	0	3,456
Site On Sheet	FloorPlan	288	0	0	0	0	0	0	288
R2 All Disciplines Copy 1FloorPlanScope Box 1 On Sheet	FloorPlan	144	0	0	0	0	0	0	144
North On Sheet	Elevation	0	0	0	0	0	1	0	1
02 All Disciplines On Sheet	FloorPlan	0	0	0	0	0	1	0	1

■ Heavy: ≥600 2D geometry elements ■ Warning: ≥300 2D geometry elements Note: Text notes, dimensions and DWG imports are shown for reference only and do not affect the threshold colour.

Placed Elements by Category

44 categories · 31,882 placed model elements

Center line		6,034
Pipe Fittings		4,566
Pipes		4,297
Center Line		4,297
Duct Fittings	2,094	
<Sketch>	2,087	
Ducts	1,461	
Walls	1,112	
Electrical Fixtures	963	
Lighting Fixtures	839	
Curtain Wall Mullions	540	
Air Terminals	454	
Sprinklers	418	
Rooms	274	
Doors	255	
Ceilings	250	
Flex Ducts	241	
Lighting Devices	236	
Plumbing Fixtures	227	
Mechanical Equipment	222	
Curtain Panels	180	
Pipe Accessories	174	
Casework	124	
Curtain Wall Grids	110	
<Room Separation>	81	
<Stair/Ramp Sketch: Riser>	78	
Windows	58	
Balusters	51	
Sheets	50	
Electrical Equipment	31	
<Stair/Ramp Sketch: Boundary>	24	
Specialty Equipment	11	
<Stair/Ramp Sketch: Landing ...	9	
Railings	9	
<Stair/Ramp Sketch: Run>	6	
Cameras	4	
Furniture	4	
Stairs	3	
Generic Models	3	
Internal Origin	1	
Survey Point	1	

Project Base Point	1
Data Devices	1
Hoddesdon OS Map.dwg	1

Family Health

Top Families by Face Count

Family Name	Type	Faces	Inst.
Safety_Station-Eyewash-Guardian_Equipment-G1994	Loadable	598	1
Maquet_OR_Light_8556	Loadable	580	1
Cart-IV-Generic	Loadable	224	1
M_Backflow Preventer - 15-50 mm	Loadable	152	1
Cabinet-Base-Midmark-SML001-Mobile	Loadable	145	1
M_Oval Elbow - Gored	Loadable	126	14
M_Water Closet - Flush Valve - Wall Mounted	Loadable	115	24
M_Inline Pump - Circulator	Loadable	108	1
M_Sink - Island - Single	Loadable	108	36
M_Screw Chiller - Air Cooled - 281-1231 kW	Loadable	103	1
Air Compressor - Dental	Loadable	100	1
M_Gas Fired Boiler - Cast Iron - 256-329 kW	Loadable	89	1
Automated_external_defibrillator_6040	Loadable	83	2
Chair-Dental-Generic	Loadable	73	1
M_Elevator-Hydraulic	Loadable	71	1

Top Families by File Size

Family Name	File Size	Inst.
Maquet_OR_Light_8556	1.2 MB	1
Chair-Dental-Generic	1.0 MB	1
Safety_Station-Eyewash-Guardian_Equipment-G1994	840 KB	1
Cart-IV-Generic	776 KB	1
Cabinet-Base-Midmark-SML001-Mobile	720 KB	1
M_Grab Bars	704 KB	44
Towel_Dispenser-Bradley_Corp-Diplomat_2A10	656 KB	1
M_Backflow Preventer - 15-50 mm	640 KB	1
M_Inline Pump - Circulator	608 KB	1
M_Screw Chiller - Air Cooled - 281-1231 kW	600 KB	1
Soap_Dispenser-Bradley_Corp_Diplomat-6A00-11	576 KB	1
M_Sprinkler - Pendent - Hosted	564 KB	418
M_Troffer Light - Parabolic Rectangular	544 KB	436
M_ADA shower Seat	524 KB	3
Centrifugal Pump - Horizontal	516 KB	2

Unused Families, Types & Materials 109 to purge

These elements are defined in the project but are not used. Remove them to reduce file size and improve performance using Revit's **Purge Unused** command.

Unused Loadable Families (28)

Family	Faces	Est. Size
Brick - UK Standard	0	336 KB
M_Callout Head	0	332 KB
M_Door Tag	0	328 KB
M_Grid Head - Circle	0	328 KB
M_Level Head - Circle	0	332 KB
M_Section Head - Filled	0	336 KB
M_Section Head - No Arrow	0	328 KB
M_Section Tail - Filled	0	332 KB
M_Section Tail - Filled Horizontal	0	332 KB
M_Spot Elevation - Target Filled	0	332 KB
M_View Title	0	332 KB
M_Circular Handrail	0	332 KB
M_Fascia-Flat	0	332 KB
M_Gutter - Bevel	0	340 KB
M_Slab Edge-Thickened	0	408 KB
M_View Reference	0	328 KB
M_Form Deck_Non-Composite	0	336 KB
M_Elevation Mark Body_Circle-12mm	0	372 KB
M_Elevation Mark Pointer_Circle-12mm	0	336 KB
M_Rectangular Union	0	396 KB
M_Round Cross	0	460 KB
M_Round Tee	0	444 KB
M_Round Union	0	396 KB
M_Coupling - Generic	0	396 KB
M_Oval Union	0	444 KB
M_Oval Cross - Straight	0	484 KB
M_Room Tag	0	336 KB
Picture Frame	0	380 KB

Unused System Types (7)

Type Name
Ceiling: Basic Ceiling
Empty System Panel
L Corner Mullion
Quad Corner Mullion
Trapezoid Corner Mullion
V Corner Mullion
Wall: Exterior - Brick on Mtl. Stud

Unused Materials (74)

Materials defined in the project library but not applied to any element geometry.

- AED
- Aluminum - Generic - Dark Gray
- Analytical Floor Surface
- Analytical Panels
- Analytical Slab Surface
- Analytical Spaces
- Analytical Surface - Air Openings
- Analytical Surface - Air Surfaces
- Analytical Surface - Ceilings
- Analytical Surface - Exterior Walls
- Analytical Surface - Interior Floors
- Analytical Surface - Interior Walls
- Analytical Surface - Operable Skylights
- Analytical Surface - Operable Windows
- Analytical Surface - Roofs
- Analytical Surface - Shades
- Analytical Surface - Slabs on Grade
- Analytical Surface - Sliding Doors
- Analytical Surface - Underground Walls
- Analytical Wall Surface
- Backer
- Cabinets
- Carbon Steel
- CompressorMotor
- CompressorTank
- Copper
- Counter Top
- Default Floor
- Default Form
- Default Light Source
- Default Mass Floor
- Default Mass Opening
- Default Mass Shade
- Default Roof
- Default Wall
- Door - Frame/Mullion
- Door - Handle
- Ductile Iron
- Dynamo
- DynamoError
- Electrical Analytical Loads
- Glass-Bradley Corp-Clear
- Glazing - Window Glazing
- Maquet Blue
- Maquet White
- Metal - Generic - Steel
- Metal - TOTO - Chrome - Polished
- Mirror
- Paper - Bradley Corp - White
- Phase - Demo
- Phase - Exist
- Phase - New
- Phase - Temporary
- Phase-Demo
- Phase-Exist
- Phase-Temp
- Plastic
- Plastic - Generic - Grey
- Plastic - Generic - White
- Plastic - Generic - Yellow
- PVC-InPro-White
- Render Material 255-255-255
- Roofing - Asphalt
- Rubber - Generic - Wheel
- Site - Earth
- Stainless
- Stainless Steel
- System-Zones
- TV - Black
- TV - Glass
- TV - Screen
- Wall material 1
- Wood - Birch
- Wood - Dimensional Lumber