BIM DIAGNOSTICS

Revit BIM Extented Review

Model Health Report

BIM validation report by BIM Diagnostics framework.

Check Summary

Report Date

Saturday, June 6, 2026 - 8:47:40 AM

Revit Filepath

C:\Users\piotr\Downloads\USACE-Revit-Model-Checker-Sample-Project-2024 (1).rvt

Checkset File

C:\Users\piotr\Downloads\BIM_Diagnostics_Extended3_restructured.xml

107	16	10	78	3
Total	Passed	Failed	Count/List	Errors

Key Findings

- Warnings (390 elements)
- Linked Revit Files Not Pinned in Place
- Linked CAD File Not Pinned in Place
- Non built-in Object Styles (imported CAD) (191 elements)
- Rooms (157 elements)

Table of Contents

1. CRITICAL

- Warnings
- Linked Revit Files and Their Link Method
- Linked Revit Files Not Pinned in Place
- Linked CAD Files
- Linked CAD File Visible in All Views
- Linked CAD File Not Pinned in Place
- Imported CAD files
- Imported SKP files
- Raster Images
- Non built-in Object Styles (imported CAD)

2. MODEL PERFORMANCE

- File Size
- Loadable Families
- Purgeable Elements
- Design Options
- Elements Per Phase

3. DATA / INFORMATION

Rooms
- Rooms
- Unplaced Rooms
- Redundant and Unenclosed Rooms
- Unique Room Number

Coordinates
- Project Coordinates
- Survey Point - N/S
- Survey Point - E/W
- Survey Point - Elev
- Survey Point - Latitude
- Survey Point - Longitude
- Project Base Point - N/S
- Project Base Point - E/W
- Project Base Point - Elev
- Project Base Point - Angle to True North

Spaces
- Spaces
- Unplaced Spaces
- Redundant and Unenclosed Spaces
- Unique Space Number

Areas
- Area Space Schemes
- Areas
- Areas Not Placed

4. BIM STANDARD

Levels and Grids
- Levels
- Level Types
- Grids
- Grid Types
- Wrong Elements on Shared Levels and Grids
- Levels and Grids on Wrong Workset

5. MODEL QUALITY

Model Elements
- Total Model Elements Revit 2026
- Model Groups
- Detail Groups
- In-Place Families
- Generic Models
- Assemblies
- Duplicate Modeled Elements
- Mirrored Elements
- Total Model Lines

6. DOCUMENTATION

All Discipline Families
- Views
- Schedules
- Sheets
- Placeholder Sheets
- Views With Hidden Model Elements
- Views With No View Template
- Views Not On Sheets
- Views On Sheets With No View Template
- Navisworks Export View
- IFC Export View
- Symbol Legends and General Notes
- Scope Boxes

7. MODEL CONTENT

Arch System Families
- Ceiling Families
- Curtain System
- Curtain Wall Mullion Families
- Floor Families
- Railing Families
- Ramp Families
- Roof Families
- Site Families
- Stair Families
- Wall Families

MEP System Families
- Duct Families
- Duct System Families
- Duct Systems That Are Not Connected
- Flex Duct Families
- Flex Pipe Families
- Pipe Families
- Piping System Families
- Piping Systems That Are Not Connected
- Electrical Systems That Are Not Connected

Structural System Families
- Floor Families
- Foundation Families
- Rebar Families
- Wall Families

- Total Analytical Model Elements Revit 2026

Annotative

- Total Annotative Elements Revit 2026
- Text Styles
- Dimension Styles
- Line Patterns
- Line Styles
- Fill Patterns
- Filled Regions
- Elevation Tags
- Section Tags
- Matchlines
- View References
- Keynotes
- Total Detail Lines

Revit Model Detailed Check

107 Checks | 16 Pass | 10 Fail | 3 Errors | 78 Count/List

1. CRITICAL

10 Checks | 2 Pass | 0 Fail | 8 Count/List

This section contains issues that may compromise model coordination, documentation reliability or project delivery. Critical findings should be reviewed and resolved before further project development..

Warnings
COUNT and LIST of all warnings in the model. Too many unresolved warnings can cause performance issues in a Revit model.
Count: 390

Name
A wall and a room separation line overlap. One of them may be ignored when Revit finds room boundaries. Shorten or delete the room separation line to remove the overlap.
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A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.
A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.
A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.
A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.
Domestic Cold Water 103: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 37: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 39: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 41: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 42: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 82: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 86: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 90: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 91: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 92: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 93: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 94: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Cold Water 99: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Hot Water 12: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Hot Water 13: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Hot Water 14: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Domestic Hot Water 15: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.
Elements have duplicate "Mark" values.
Elements have duplicate "Mark" values.
Elements have duplicate "Mark" values.
Elements have duplicate "Mark" values.
Showing first 30 of 390 → see Appendix

Linked Revit Files and Their Link Method
COUNT and LIST of the link method (overlay vs. attach) for each Revit link in the model.
Count: 0

Linked Revit Files Not Pinned in Place
PASS/FAIL check to determine if any linked Revit files are not pinned in place. Will Fail if any are found.
Count: 0

Linked CAD Files
COUNT and LIST of all linked CAD files in the model.
Count: 0

Linked CAD File Visible in All Views
COUNT and LIST of all linked CAD files not set to Current View Only.
Count: 0

Linked CAD File Not Pinned in Place
PASS/FAIL check to determine if any linked CAD files are not pinned in place. Will Fail if any are found.
Count: 0

Imported CAD files
COUNT and LIST of all CAD files that were Imported and not Linked.
Count: 5

Category	Type	Name
Abbreviations-Symbols Sheet-2.dwg	Abbreviations-Symbols Sheet-2.dwg.G-AN-FFEQTG	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Symbols Sheet-2.dwg.G-AN-FFEQTG
Abbreviations-Symbols Sheet-2.dwg	Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG
Abbreviations-Symbols Sheet-2.dwg	Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG
Abbreviations-Symbols Sheet-2.dwg	Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Symbols Sheet-2.dwg.G-AN-MATTG
zerozero.dwg	zerozero.dwg	zerozero.dwg : zerozero.dwg

Imported SKP files
COUNT of all imported SKP files in the model.
Count: 0

Raster Images
COUNT and LIST of all raster images placed in the model.
Count: 0

Non built-in Object Styles (imported CAD)
COUNT and LIST of all non built-in categories and sub-categories in a Revit model. Excessive non-standard styles often signal imported CAD. Importing CAD files is not recommended for most workflows as it disrupt standard.
Count: 191

Name
0
0
A-Anno-Scrn
BMCD2-11ZKIT02
BMCD2-11ZPCM06
BMCD2-12ZSTG17
CNTRTOP
CNTRTOP-EDGE
CNTRTOP-FINISH
CNTRTOP-OTHER
CNTRTOP-PROD_NO
CNTRTOP-TYPE
CNTRTOP-VIEW
Defpoints
DISPLAY
DISPLAY-FINISH
DISPLAY-OTHER
DISPLAY-PROD_NO
DISPLAY-TYPE
DISPLAY-VIEW
DRAWER
DRAWER-FINISH
DRAWER-OTHER
DRAWER-PROD_NO
DRAWER-TYPE

DRAWER-VIEW
E-Cndt-Std-Clin
E-Hidn-Std-High
E-Hidn-Std-Subd
ELEC
Showing first 30 of 191 → see Appendix

2. MODEL PERFORMANCE

5 Checks | 1 Errors | 4 Count/List

Checks in this section are related to settings that can be configured at a project level, which may need to be verified for compliance with standards defined for the project.

File Size
RESULT of the file size in MB (megabytes).
Result: 91.06 MB

Loadable Families
RESULT and LIST of the families in the project ordered by file size.
Result: 152,840 KB

Name	Value
Generic - Front Desk ksg	976 KB
Furniture - Chair - Davis Zeno	864 KB
Furniture - 6 x 8 Abak Workstation_MW	7,416 KB
LT-13 TRACK LIGHTING	592 KB
Window_S33	592 KB
Window_S34	576 KB
Window_S32	536 KB
Window_S30	532 KB
Window_S10	520 KB
Window_S12	520 KB
Window_S6	520 KB
Window_S14	520 KB
Window_S13	516 KB
Window_S2	516 KB
Window_S14-2	516 KB
Window_S4	516 KB
Window_S3	516 KB
Window_S18	512 KB
Window_S5-2	512 KB
Window_S16	512 KB
480vBus_duct	508 KB
Lighting Equipt - Exit Sign _Symbol _ RMT	508 KB
Window_S9	508 KB
Window_S22	508 KB
Window_S15	504 KB
Window_S21	504 KB
Window_C4	500 KB
Window_S20	500 KB
Furniture - Wassily	496 KB
Window_S23	496 KB

Showing first 30 of 348 → see Appendix

Error

Error getting file size from family 'Printer/Copier_Generic_pk': The model could not be saved: (COleException 0x80030002)

Purgeable Elements
COUNT of all elements that can be purged from a Revit model. A large number of unneeded elements can increase the model size with no benefit.
Count: 5

Design Options
COUNT and LIST of all elements created in each design option of the model.
Count: 0

Count	Name
0	6' entrance workstation
0	8' entrance workstation <primary>

Elements Per Phase
COUNT and LIST of all elements in each phase of the model.
Count: 15,854

Count	Name
15854	New

3. DATA / INFORMATION

25 Checks | 13 Pass | 3 Fail | 9 Count/List

Checks in this section are related to settings that can be configured at a project level, which may need to be verified for compliance with standards defined for the project.

Rooms

4 Checks | 3 Pass | 0 Fail | 1 Count/List

Rooms
COUNT and LIST of all rooms in the model. This includes unplaced and redundant rooms.
Count: 157

Category	Name
Rooms	Rooms : 101 101
Rooms	Rooms : 102 102
Rooms	Rooms : 103 103
Rooms	Rooms : 104 104
Rooms	Rooms : 105 105
Rooms	Rooms : 106 106
Rooms	Rooms : 107 107
Rooms	Rooms : 108 108
Rooms	Rooms : 109 109
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Rooms	Rooms : B02 B02
Rooms	Rooms : B03 B03
Rooms	Rooms : B04 B04
Rooms	Rooms : B05 B05

Unplaced Rooms
PASS/FAIL check to determine if any rooms are unplaced. Will Fail if any are found.
Count: 0

Redundant and Unenclosed Rooms
PASS/FAIL check to determine if any rooms are in the same location as another room. Will fail if any are found.
Count: 0

Unique Room Number
PASS/FAIL check to determine if there are rooms with the same number. Will fail if any are found.
Count: 0

Coordinates

10 Checks | 6 Pass | 3 Fail | 1 Count/List

Project Coordinates
COUNT and LIST of the coordinate values of the survey and project base points, elevation, and true north.
Count: 5

Name	Value
Project Base Point Coordinate	0" E/W | 0" N/S
Project Base Point Elevation	0"
Project Base Point Rotation	0.00°
Survey Point Coordinate	298' - 0 3/8" E/W | 141' - 1" N/S

Survey Point Elevation	194' - 0"

Survey Point - N/S
PASS/FAIL check to determine if the N/S value for the Survey Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
The N/S value is incorrect for the Survey Point.
Count: 1

Category	Name	ID
Survey Point	Survey Point :	1185495

Survey Point - E/W
PASS/FAIL check to determine if the E/W value for the Survey Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
The E/W value is incorrect for the Survey Point.
Count: 1

Category	Name	ID
Survey Point	Survey Point :	1185495

Survey Point - Elev
PASS/FAIL check to determine if the Elev value for the Survey Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
The Elev value is incorrect for the Survey Point.
Count: 1

Category	Name	ID
Survey Point	Survey Point :	1185495

Survey Point - Latitude
PASS/FAIL check to determine if the Latitude value for the Survey Point is at the designated location. Provide degree value in radians (1 deg = 0.0174533 rad). Value is defined by User Input.
Count: 0

Survey Point - Longitude
PASS/FAIL check to determine if the Longitude value for the Survey Point is at the designated location. Provide degree value in radians (1 deg = 0.0174533 rad). Value is defined by User Input.
Count: 0

Project Base Point - N/S
PASS/FAIL check to determine if the N/S value for the Project Base Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
Count: 0

Project Base Point - E/W
PASS/FAIL check to determine if the E/W value for the Project Base Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
Count: 0

Project Base Point - Elev
PASS/FAIL check to determine if the Elev value for the Project Base Point is at the designated location. Value is defined by User Input and should match the "AsDouble" value for validation. Use the RevitLookup add-in to identify the "AsDouble" value.
Count: 0

Project Base Point - Angle to True North
PASS/FAIL check to determine if the Angle to True North for Project Base Point is at the designated angle. Provide degree value in radians (1 deg = 0.0174533 rad). Value is defined by User Input.
Count: 0

Spaces

4 Checks | 3 Pass | 0 Fail | 1 Count/List

Spaces
COUNT and LIST of all spaces in the model. This includes unplaced and redundant spaces.
Count: 172

Category	Name
Spaces	Spaces : (E) Conf 2

Spaces	Spaces : (E) Corridor 125
Spaces	Spaces : (E) Space 101
Spaces	Spaces : (E) Space 11
Spaces	Spaces : (E) Space 130
Spaces	Spaces : (E) Space 154
Spaces	Spaces : (E) Space 155
Spaces	Spaces : (E) Space 156
Spaces	Spaces : (E) Space 157
Spaces	Spaces : (E) Space 158
Spaces	Spaces : (E) Space 227
Spaces	Spaces : (E) Space 228
Spaces	Spaces : (E) Space 229
Spaces	Spaces : (E) Space 230
Spaces	Spaces : (E) Space 231
Spaces	Spaces : (E) Space 232
Spaces	Spaces : (E) Space 234
Spaces	Spaces : (E) Space 235
Spaces	Spaces : (E) Space 236
Spaces	Spaces : (E) Space 237
Spaces	Spaces : (E) Space 238
Spaces	Spaces : (E) Space 239
Spaces	Spaces : (E) Space 240
Spaces	Spaces : (E) Space 241
Spaces	Spaces : (E) Space 303
Spaces	Spaces : (E) Space 304
Spaces	Spaces : (E) Space 305
Spaces	Spaces : (E) Space 306
Spaces	Spaces : (E) Space 307
Spaces	Spaces : (E) Space 308

Showing first 30 of 172 → see Appendix

Unplaced Spaces
PASS/FAIL check to determine if any spaces are unplaced. Will Fail if any are found.
Count: 0

Redundant and Unenclosed Spaces
PASS/FAIL check to determine any spaces are in the same location as another space. Will Fail if any are found.
Count: 0

Unique Space Number
PASS/FAIL check to determine if there are spaces with the same number. Will Fail if any are found.
Count: 0

Areas

3 Checks | 1 Pass | 0 Fail | 2 Count/List

Area Space Schemes
COUNT and LIST of all area schemes in a Revit model.
Count: 2

Name
Gross Building
Rentable

Areas
COUNT and LIST of all area elements in the model. This includes unplaced and redundant areas .
Count: 1

Category	Name
Areas	Areas : Area 1

Areas Not Placed
PASS/FAIL check for any areas that are not placed, regardless of area scheme.
Count: 0

Project Information
COUNT and LIST of all parameters and values attached to Project Information for a project except those associated with Revit Extensions (starting with 'Extensions').
Count: 36

Name	Value
Author	
Building Name	
Category	
Category	
Client Address	Client Address
Client Fax	Client Fax
Client Fax	Client Fax
Client Name	Client Name
Client Name	CLIENT
Client Phone	Client Phone
Client Web Address	Client Web Address
Consultant Address	Consultant Address
Consultant Fax	Consultant Fax
Consultant Name	Consultant Name
Consultant Phone	Consultant Phone
Consultant www	Consultant Web Address
Design Option	Main Model
Design Option	
Family Name	
IfcBuilding GUID	
IfcProject GUID	
IfcSite GUID	
MSProject Finish Date	
MSProject Phase	Existing
MSProject Start Date	
Organization Description	
Organization Name	
Project Address	Waltham, MA
Project Issue Date	2008-08-05
Project Name	Autodesk Revit Headquarters
Project Number	08-162
Project Status	PROJECT STATUS
TBC Accept	
TBC Project Number	08-163
Template Version	
Type Name	

Volume Computations Setting
LIST of all model Volume Computation settings: areas and volumes or areas only.
Result: Areas Only

Revit Version
LIST of the version and build data of Revit running the check.
Result: Autodesk Revit 2024 24.3.40.26

View Templates
COUNT and LIST of all view templates in the model.
Count: 27

Category	Family	Type	Name
Views	Template	Elevation	2D Elevation for BmOM
Views	Template	Elevation	2D Elevation for QTO
Views	Template	Floor Plan	2D Plan for BmOM
Views	Template	Floor Plan	2D Plan for QTO
Views	Template	Ceiling Plan	2D RCP for QTO
Views	Template	Floor Plan	2D Top Down for QTO
Views	Template	Elevation	Architectural Elevation
Views	Template	Floor Plan	Architectural Plan
Views	Template	Three D	Architectural Presentation 3D
Views	Template	Elevation	Architectural Presentation Elevation

Views	Template	Ceiling Plan	Architectural Reflected Ceiling Plan
Views	Template	Floor Plan	Architectural Roof Plan
Views	Template	Section	Architectural Section
Views	Template	Floor Plan	Area Plan
Views	Template	Floor Plan	Electrical Plan
Views	Template	Three D	Export to Civil Engineering
Views	Template	Floor Plan	framing
Views	Template	Floor Plan	Framing Plan
Views	Template	Three D	Logistics
Views	Template	Floor Plan	Site Plan
Views	Template	Floor Plan	Site Plan1
Views	Template	Section	Site Section
Views	Template	Elevation	Structural Framing Elevation
Views	Template	Floor Plan	Structural Framing Plan
Views	Template	Section	Structural Section
Views	Template	Floor Plan	TBC_B&W
Views	Template	Floor Plan	TEMP

4. BIM STANDARD

9 Checks | 0 Pass | 1 Fail | 8 Count/List

xxxx.

Levels and Grids

6 Checks | 0 Pass | 1 Fail | 5 Count/List

Levels
COUNT and LIST of all level elements in the model.
Count: 7

Category	Type	Name
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head
Levels	1/4" Head	Levels : 1/4" Head

Level Types
COUNT and LIST of all level types in the model.
Count: 1

Category	Type	Name
Levels	1/4" Head	Levels : Type : 1/4" Head

Grids
COUNT of all grid elements in the model.
Count: 27

Grid Types
COUNT and LIST of all grid types in the model.
Count: 1

Category	Type	Name
Grids	1/4" Bubble	Grids : Type : 1/4" Bubble

Wrong Elements on Shared Levels and Grids
COUNT and LIST of all elements in the model that are on the 'Shared Levels and Grids' workset that are not levels or grids. Note that the 'Shared Levels and Grids' workset must have both 'level' and 'grid' (case insensitive) in the name in order to be recognized.
Result: *Not Workshared*

Levels and Grids on Wrong Workset
PASS/FAIL check to determine if any levels or grids are not on the Shared Levels and Grids workset. Will Fail if any are found.
These levels and grids are not on the Shared Levels and Grids workset
Count: 34

Category	Type	Name	ID
Grids	1/4" Bubble	Grids : 1/4" Bubble	752669

Grids	1/4" Bubble	Grids : 1/4" Bubble	752702
Grids	1/4" Bubble	Grids : 1/4" Bubble	752709
Grids	1/4" Bubble	Grids : 1/4" Bubble	752695
Grids	1/4" Bubble	Grids : 1/4" Bubble	752688
Grids	1/4" Bubble	Grids : 1/4" Bubble	752716
Grids	1/4" Bubble	Grids : 1/4" Bubble	752730
Grids	1/4" Bubble	Grids : 1/4" Bubble	752746
Grids	1/4" Bubble	Grids : 1/4" Bubble	752760
Grids	1/4" Bubble	Grids : 1/4" Bubble	752774

Showing first 10 of 34 → see Appendix

Worksets and Elements
COUNT and LIST of all user worksets for a Revit model or indicates '*Not Workshared*' if worksharing is not enabled.
Result: *Not Workshared*

Worksets
COUNT and LIST of all user worksets in the model or indicates '*Not Workshared*' if worksharing is not enabled.
Result: *Not Workshared*

Browser Organization
COUNT and LIST of all browser organization types in the model.
Count: 31

Name
01 By Associated Level (all)
01 By View Type Group
02 By View Scale (all)
02 By Volume
03 By Work Views (partial)
04 By Sheet Views (partial)
05 By Schematic Views (partial)
06 By Inported / Exported Views
07 Not on sheets (partial)
all

Showing first 10 of 31 → see Appendix

5. MODEL QUALITY

23 Checks | 1 Pass | 1 Fail | 2 Errors | 19 Count/List

This section evaluates overall model cleanliness, maintainability and BIM authoring practices. Checks focus on elements that may increase model complexity, reduce performance, complicate coordination workflows or indicate poor modelling practices. Results help identify opportunities for model optimization and standardization.

Model Elements

10 Checks | 1 Pass | 1 Fail | 1 Errors | 7 Count/List

Total Model Elements Revit 2026
COUNT of all model elements placed in the model for Revit 2026. This check is version specific due to changes in Revit categories between versions. This check should be used as a general assessment of the number of elements in the model, as some categories may report sub-elements as individual elements.
Count: 13,330

Model Groups
COUNT of all model group elements in the model. Too many model groups can be an indication of improper modeling techniques.
Count: 47

Detail Groups
COUNT of all detail group elements in the model. Too many detail groups can be an indication of improper modeling techniques.
Count: 0

In-Place Families
COUNT of all in-place family elements in the model. In-place families can signifcantly impact model size and performance and should be used sparingly.
Count: 1,191

Generic Models
COUNT and LIST of all generic model elements in the model.
Count: 1,225

Category	Family	Type	Name
Generic Models	1	12939	Generic Models : 1 : 12939
Generic Models	10	40047	Generic Models : 10 : 40047
Generic Models	100	1171	Generic Models : 100 : 1171
Generic Models	101	16134	Generic Models : 101 : 16134
Generic Models	102	16176	Generic Models : 102 : 16176
Generic Models	103	16401	Generic Models : 103 : 16401
Generic Models	104	16440	Generic Models : 104 : 16440
Generic Models	105	16479	Generic Models : 105 : 16479
Generic Models	106	16518	Generic Models : 106 : 16518
Generic Models	107	16557	Generic Models : 107 : 16557
Generic Models	108	19386	Generic Models : 108 : 19386
Generic Models	109	18995	Generic Models : 109 : 18995
Generic Models	11	40086	Generic Models : 11 : 40086
Generic Models	110	19037	Generic Models : 110 : 19037
Generic Models	111	19100	Generic Models : 111 : 19100
Generic Models	112	19326	Generic Models : 112 : 19326
Generic Models	113	19389	Generic Models : 113 : 19389
Generic Models	114	22713	Generic Models : 114 : 22713
Generic Models	115	22776	Generic Models : 115 : 22776
Generic Models	116	23002	Generic Models : 116 : 23002
Generic Models	117	23041	Generic Models : 117 : 23041
Generic Models	118	23099	Generic Models : 118 : 23099
Generic Models	119	23325	Generic Models : 119 : 23325
Generic Models	12	40125	Generic Models : 12 : 40125
Generic Models	120	23774	Generic Models : 120 : 23774
Generic Models	121	32239	Generic Models : 121 : 32239
Generic Models	122	32281	Generic Models : 122 : 32281
Generic Models	123	32320	Generic Models : 123 : 32320
Generic Models	124	32359	Generic Models : 124 : 32359
Generic Models	125	32398	Generic Models : 125 : 32398

Showing first 30 of 1225 → see Appendix

Assemblies
COUNT and LIST of all assembly elements in the model.
Count: 0

Duplicate Modeled Elements
PASS/FAIL check to determine if there are any modeled elements that are duplicates (identical elements at the same location and base level). Check will Fail if any duplicate element is found. **WARNING** Running this check can take a significant amount of time to complete.
Count: 0

Mirrored Elements
PASS/FAIL check to determine if there are mirrored instances of loadable components. Check will fail if any element is mirrored.
The following elements have been mirrored.
Count: 1,267

Category	Family	Type	Name	ID
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621367
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621382
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621376
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621370
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621859
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621853
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621441
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621438
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621394
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621388
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622068
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623846
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623840
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623834
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623828
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623822
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622062

Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622047
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622041
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622035
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622029
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622023
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622017
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622005
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623858
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624538
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624638
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624679
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624676
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624673

Showing first 30 of 1267 → see Appendix

Total Model Lines
COUNT of all model lines placed in the model.
Count: 264

Total Analytical Model Elements Revit 2026
COUNT of all analytical model elements placed in the model for Revit 2026. This check is version specific due to changes in Revit categories between versions. This check should be used as a general assessment of the number of elements in the model, as some categories may report sub-elements as individual elements.
Count: 40,114

Error

Could not find category with the value 'OST_DuctAnalyticalSegments'

Annotative

13 Checks | 1 Errors | 12 Count/List

A series of checks related to annotative elements in the model.

Total Annotative Elements Revit 2026
COUNT of all annotative elements placed in the model for Revit 2026. This check is version specific due to changes in Revit categories between versions.
Count: 40,114

Error

Could not find category with the value 'OST_DuctAnalyticalSegmentTags'

Text Styles
COUNT and LIST of all text styles in the model.
Count: 8

Type	Name
1/4" NOTES - Arial	1/4" NOTES - Arial
1/8" NOTES - Arial	1/8" NOTES - Arial
1/8" NOTES - OPAQUE - Arial	1/8" NOTES - OPAQUE - Arial
3/32" NOTES - Arial	3/32" NOTES - Arial
3/32" NOTES - Arial Narrow	3/32" NOTES - Arial Narrow
3/32" NOTES - Arial Opaque	3/32" NOTES - Arial Opaque
Schedule Default	Schedule Default
Schedule Text 1	Schedule Text 1

Dimension Styles
COUNT and LIST of all dimension styles in the model.
Count: 14

Type	Name
Diameter	Diameter
Diameter Dimension Style	Diameter Dimension Style
Horizontal	Horizontal
Horizontal	Horizontal
KS-Angle Dim	KS-Angle Dim
KS-Linear Dim	KS-Linear Dim
KS-Linear Dim_Super ACCURATE	KS-Linear Dim_Super ACCURATE
KS-Radial Dim	KS-Radial Dim
Linear - 3/32" Arial	Linear - 3/32" Arial
Linear Dimension Style	Linear Dimension Style

Linear Dimension Style	Linear Dimension Style
Linear Dimension Style	Linear Dimension Style
Sloped	Sloped
Target w Leader	Target w Leader

Line Patterns
COUNT and LIST of all line patterns in model.
Count: 176

Name
7in Detail Layout - Aligning Line
7in Detail Layout - Dots Small
ACAD_ISO02W100
ACAD_ISO09W100
ACAD_ISO10W100
ACAD_ISO12W100
ACAD_ISO14W100
Aligning Line
Aligning Line 1/8"
BATTING
BATTING (2)
BATTING (3)
Callout
Center
CENTER
Center 1/4"
Center 3/8"
Center 5/8"
CENTER2
Dash
Dash 1/16"
Dash 1/32"
Dash 1/8"
Dash 3/32"
Dash dot
Dash Dot 3/16"
Dash Dot 3/8"
Dash dot dot
Dash Dot Dot 1/8"
Dash Dot Dot 3/16"

Showing first 30 of 176 → see Appendix

Line Styles
COUNT and LIST of all line styles in the model.
Count: 46

Name
<Area Based Load Boundary>
<Area Boundary>
<Axis of Rotation>
<Beyond>
<Centerline>
<Demolished>
<Fabric Envelope>
<Fabric Sheets>
<Hidden Lines>
<Hidden>

Showing first 10 of 46 → see Appendix

Fill Patterns
COUNT and LIST of all fill patterns in the model.
Count: 96

Name
<Solid fill>
Aluminum
Aluminum2
BLOCK 8x16

BLOCK 8x8
BRICK
Brick Soldier Course
BRICK: ENGLISH
BRICK: RUNNING BOND
CEILING TILE 24x24
CEILING TILE 24x48
Concrete
CONCRETE: DENSE
CONCRETE: LIGHT
CONCRETE: MEDIUM
Crosshatch
Crosshatch-small
Diagonal crosshatch
Diagonal crosshatch-small
Diagonal down
Diagonal down-small
Diagonal up
Diagonal up-small
Earth
EXTERIOR LOUVER
Gypsum-Plaster
Hachures croisées en diagonale
Horizontal
Horizontal-small
Insulation - Rigid

Showing first 30 of 96 → see Appendix

Filled Regions
COUNT and LIST of all filled regions in the model.
Count: 137

Category	Type	Name
Detail Items	Aluminum	Detail Items : Aluminum
Detail Items	BLOCK 8x16	Detail Items : BLOCK 8x16
Detail Items	BLOCK 8x16	Detail Items : BLOCK 8x16
Detail Items	BLOCK 8x8	Detail Items : BLOCK 8x8
Detail Items	BRICK	Detail Items : BRICK
Detail Items	BRICK	Detail Items : BRICK
Detail Items	Brick English	Detail Items : Brick English
Detail Items	Brick Running Bond	Detail Items : Brick Running Bond
Detail Items	Brick Soldier Course	Detail Items : Brick Soldier Course
Detail Items	Brick Soldier Course	Detail Items : Brick Soldier Course
Detail Items	Ceiling Tile 24x24	Detail Items : Ceiling Tile 24x24
Detail Items	Ceiling Tile 24x48	Detail Items : Ceiling Tile 24x48
Detail Items	Concrete	Detail Items : Concrete
Detail Items	CONCRETE DENSE	Detail Items : CONCRETE DENSE
Detail Items	CONCRETE LIGHT	Detail Items : CONCRETE LIGHT
Detail Items	CONCRETE MEDIUM	Detail Items : CONCRETE MEDIUM
Detail Items	CONCRETE MEDIUM	Detail Items : CONCRETE MEDIUM
Detail Items	Crosshatch	Detail Items : Crosshatch
Detail Items	Crosshatch-small	Detail Items : Crosshatch-small
Detail Items	Diagonal Crosshatch	Detail Items : Diagonal Crosshatch
Detail Items	Diagonal crosshatch-small	Detail Items : Diagonal crosshatch-small
Detail Items	Diagonal Down	Detail Items : Diagonal Down
Detail Items	Diagonal down-small	Detail Items : Diagonal down-small
Detail Items	Diagonal Up	Detail Items : Diagonal Up
Detail Items	Diagonal up-small	Detail Items : Diagonal up-small
Detail Items	Earth	Detail Items : Earth
Detail Items	Earth	Detail Items : Earth
Detail Items	Gypsum-Plaster	Detail Items : Gypsum-Plaster
Detail Items	Gypsum-Plaster	Detail Items : Gypsum-Plaster
Detail Items	Horizontal	Detail Items : Horizontal

Showing first 30 of 137 → see Appendix

Elevation Tags
COUNT and LIST of all elevation tags in the model.
Count: 1

Type	Name
3/8" Circle	3/8" Circle

Section Tags
COUNT and LIST of all section tags in the model.
Count: 3

Type	Name
Building Section	Building Section
Detail	Detail
Wall Section	Wall Section

Matchlines
COUNT of matchlines used in the model.
Count: 0

View References
COUNT and LIST of all view references used in the model.
Count: 0

Keynotes
COUNT and LIST of all keynotes used in the model.
Count: 2

Count	Name
1	15
1	FT60

Total Detail Lines
COUNT of all detail lines placed in the model.
Count: 159

6. DOCUMENTATION

12 Checks | 0 Pass | 2 Fail | 10 Count/List

Review of documentation completeness and drawing structure.

All Discipline Families

12 Checks | 0 Pass | 2 Fail | 10 Count/List

Views
COUNT of all views in the model. Views typically do not impact model size, but too many unmanaged views can impact user efficiency.
Count: 36

Schedules
COUNT of all schedules in the model. Schedules typically do not impact model size, but too many unmanaged views can impact user efficiency.
Count: 27

Sheets
COUNT and LIST of all sheets in the model. Sheets typically do not impact model size, but too many unmanaged views can impact user efficiency.
Count: 2

Category	Type	Name
Sheets	Drawing Sheet	Section
Sheets	Drawing Sheet	Window Detail

Placeholder Sheets
COUNT and LIST of all placeholder sheets in the model.
Count: 0

Views With Hidden Model Elements
COUNT and LIST of all views in the model that have permanently hidden model elements and the total number of hidden elements. Hiding large numbers of elements in a videw can impact performance. **WARNING** Running this check can take a significant amount of time to complete.
Count: 4

Count	Name
1	3D View - All
1	3D View - Architectural
1	3D View - MEP
1	3D View - Structural

Views With No View Template
COUNT of all views that have no View Templates assigned to them in the model. This may be indicative of unneeded working views that can be removed from a model.
Count: 36

Views Not On Sheets
COUNT and LIST of all views (not including views that can be placed on more than one sheet, like Schedules and Legends) that are not placed on a sheet in the model.
Count: 31

Name
3D View - 3D for Export to Civil
3D View - 3D View 1
3D View - 3D View 2
3D View - All
3D View - Architectural
3D View - MEP
3D View - Structural
Area Plan - FLOOR 1
Ceiling Plan - BASEMENT LEVEL
Ceiling Plan - FLOOR 1
Showing first 10 of 31 → see Appendix

Views On Sheets With No View Template
COUNT and LIST of all views on sheets that have no view templates assigned to them in the model. Printed views with no view template may be indicative of poorly managed or followed standards in the model, which can lead to less efficient methods of control element appearance.
Count: 1

Category	Type	Name
Viewports	Title w Line	Viewports : Title w Line

Navisworks Export View
PASS/FAIL check to determine if there is a 3D view labeled with the word "Navis" for export to Navisworks.
There is no 3D view labeled with the word "Navis" for export to Navisworks.

IFC Export View
PASS/FAIL check to determine if there is a 3D view labeled with the word "IFC" for export to IFC.
There is no 3D view labeled with the word "IFC" for export to IFC

Symbol Legends and General Notes
COUNT and LIST of all legend views in the model.
Count: 4

Name
ABBREVIATIONS_all
ANNOTATIONS_all
PATTERNS Standard
PATTERNS_all

Scope Boxes
COUNT and LIST of all the scope boxes used in the model
Count: 0

7. MODEL CONTENT

23 Checks | 0 Pass | 3 Fail | 20 Count/List

This section provides an inventory of model content, including families, system components and discipline-specific elements. It helps understand model composition, identify excessive content and support model cleanup activities.

Arch System Families

10 Checks | 10 Count/List

Reports of architectural system families in the model

Ceiling Families

COUNT and LIST of all ceiling family types in the model.

Count: 3

Category	Type	Name
Ceilings	2' x 2' ACT System - ACT-1	Ceilings : Type : 2' x 2' ACT System - ACT-1
Ceilings	5/8" GWB on Mtl. Stud	Ceilings : Type : 5/8" GWB on Mtl. Stud
Ceilings	Basic	Ceilings : Type : Basic

Curtain System

COUNT and LIST of all architectural curtain system family types in the model.

Count: 1

Category	Type	Name
Curtain Systems	6' x 6'	Curtain Systems : Type : 6' x 6'

Curtain Wall Mullion Families

COUNT and LIST of all curtain wall mullion family types in the model.

Count: 5

Category	Family	Type	Name
Curtain Wall Mullions	Rectangular Mullion	1" x 1" Rectangular	Curtain Wall Mullions : Type : Rectangular Mullion : 1" x 1" Rectangular
Curtain Wall Mullions	Rectangular Mullion	2" x 6" Rectangular	Curtain Wall Mullions : Type : Rectangular Mullion : 2" x 6" Rectangular
Curtain Wall Mullions	Rectangular Mullion	2.5" x 5" Rectangular	Curtain Wall Mullions : Type : Rectangular Mullion : 2.5" x 5" Rectangular
Curtain Wall Mullions	Rectangular Mullion	2.5" x 6" Rectangular - Bottom Sill	Curtain Wall Mullions : Type : Rectangular Mullion : 2.5" x 6" Rectangular - Bottom Sill
Curtain Wall Mullions	Rectangular Mullion	2.5" x 6" Rectangular - Top Sill	Curtain Wall Mullions : Type : Rectangular Mullion : 2.5" x 6" Rectangular - Top Sill

Floor Families

COUNT and LIST of all floor family types in the model.

Count: 16

Category	Type	Name
Floors	1 1/2" Metal Roof Deck	Floors : Type : 1 1/2" Metal Roof Deck
Floors	3 1/4" LW Concrete on 3" Metal Deck	Floors : Type : 3 1/4" LW Concrete on 3" Metal Deck
Floors	6" Concrete	Floors : Type : 6" Concrete
Floors	9" LW Concrete on 2" Metal Deck	Floors : Type : 9" LW Concrete on 2" Metal Deck
Floors	Concrete on Metal Deck- 6.25"	Floors : Type : Concrete on Metal Deck- 6.25"
Floors	Concrete Slab	Floors : Type : Concrete Slab
Floors	Floor Finish - CA-1	Floors : Type : Floor Finish - CA-1
Floors	Floor Finish - CA-2	Floors : Type : Floor Finish - CA-2
Floors	Floor Finish - CO-1	Floors : Type : Floor Finish - CO-1
Floors	Floor Finish - CO-2	Floors : Type : Floor Finish - CO-2
Floors	Floor Finish - RF-1	Floors : Type : Floor Finish - RF-1
Floors	Floor Finish - RF-2	Floors : Type : Floor Finish - RF-2
Floors	Floor Finish - RF-3	Floors : Type : Floor Finish - RF-3
Floors	Floor Finish - RF-4	Floors : Type : Floor Finish - RF-4
Floors	Floor Finish - WO-1	Floors : Type : Floor Finish - WO-1
Floors	Parking Surface - 4"	Floors : Type : Parking Surface - 4"

Railing Families

COUNT and LIST of all railing family types in the model.

Count: 1

Category	Type	Name
Railings	Guardrail - Rectangular	Railings : Type : Guardrail - Rectangular

Ramp Families

COUNT and LIST of all ramp family types in the model.

Count: 1

Category	Type	Name
Ramps	Ramp 1/12	Ramps : Type : Ramp 1/12

Roof Families
COUNT and LIST of all roof family types in the model.
Count: 2

Category	Type	Name
Roofs	Insulation on Metal Deck - EPDM	Roofs : Type : Insulation on Metal Deck - EPDM
Roofs	Sloped Glazing	Roofs : Type : Sloped Glazing

Site Families
COUNT and LIST of all site family types in the model.
Count: 5

Category	Family	Type	Name
Site	Fiber Optic Connection	Standard	Site : Type : Fiber Optic Connection : Standard
Site	Gas Connection	28"x28"	Site : Type : Gas Connection : 28"x28"
Site	Roof Drain(s) Connection	20"x20"	Site : Type : Roof Drain(s) Connection : 20"x20"
Site	Sanitary Sewer Connection	20"x20"	Site : Type : Sanitary Sewer Connection : 20"x20"
Site	Water Connection	28"x28"	Site : Type : Water Connection : 28"x28"

Stair Families
COUNT and LIST of all stair family types in the model.
Count: 4

Category	Type	Name
Stairs	Cast-In-Place Stair	Stairs : Type : Cast-In-Place Stair
Stairs	Precast Stair	Stairs : Type : Precast Stair
Stairs	Steel Pan Stair	Stairs : Type : Steel Pan Stair
Stairs	Steel Pan Stair	Stairs : Type : Steel Pan Stair

Wall Families
COUNT and LIST of all wall family types in the model.
Count: 20

Category	Type	Name
Walls	(1) 5/8" GWB	Walls : Type : (1) 5/8" GWB
Walls	8" - Filled	Walls : Type : 8" - Filled
Walls	8" - Filled (2)	Walls : Type : 8" - Filled (2)
Walls	Cork Board	Walls : Type : Cork Board
Walls	Curtain Wall	Walls : Type : Curtain Wall
Walls	D 3 D_Core	Walls : Type : D 3 D_Core
Walls	Exterior Wall - Precast Panel	Walls : Type : Exterior Wall - Precast Panel
Walls	Foundation - 12" Concrete	Walls : Type : Foundation - 12" Concrete
Walls	Foundation - 24" Concrete	Walls : Type : Foundation - 24" Concrete
Walls	Interior - 3 1/8" Partition (1-hr)	Walls : Type : Interior - 3 1/8" Partition (1-hr)
Walls	Interior - 4 1/4" Partition TYPE 10	Walls : Type : Interior - 4 1/4" Partition TYPE 10
Walls	Interior - 4 7/8" Partition (1-hr) TYPE 4	Walls : Type : Interior - 4 7/8" Partition (1-hr) TYPE 4
Walls	Interior - 4 7/8" Partition TYPE 3	Walls : Type : Interior - 4 7/8" Partition TYPE 3
Walls	Interior - 6 1/4" Partition (2hr Shaftwall) TYPE 23	Walls : Type : Interior - 6 1/4" Partition (2hr Shaftwall) TYPE 23
Walls	Interior - 6 1/4" Partition (2-hr) TYPE 22	Walls : Type : Interior - 6 1/4" Partition (2-hr) TYPE 22
Walls	Interior - 6 1/8" Partition (2-hr) TYPE 8	Walls : Type : Interior - 6 1/8" Partition (2-hr) TYPE 8
Walls	Resin Panel	Walls : Type : Resin Panel
Walls	Retaining - 14" Concrete	Walls : Type : Retaining - 14" Concrete
Walls	Screen - 8"	Walls : Type : Screen - 8"
Walls	White Board	Walls : Type : White Board

MEP System Families

9 Checks | 0 Pass | 3 Fail | 6 Count/List

Reports of MEP system families in the model

Duct Families
COUNT and LIST of all duct family types in the model.
Count: 12

Category	Type	Name
Ducts	Mitered Elbows / Beveled Taps	Ducts : Type : Mitered Elbows / Beveled Taps
Ducts	Mitered Elbows / Std Taps	Ducts : Type : Mitered Elbows / Std Taps
Ducts	Mitered Elbows / Taps	Ducts : Type : Mitered Elbows / Taps
Ducts	Mitered Elbows / Taps Sidewall	Ducts : Type : Mitered Elbows / Taps Sidewall
Ducts	Mitered Elbows / Tees	Ducts : Type : Mitered Elbows / Tees

Ducts	Radius Elbows / Beveled Taps	Ducts : Type : Radius Elbows / Beveled Taps
Ducts	Radius Elbows / Std Taps	Ducts : Type : Radius Elbows / Std Taps
Ducts	Radius Elbows / Taps	Ducts : Type : Radius Elbows / Taps
Ducts	Radius Elbows / Tees	Ducts : Type : Radius Elbows / Tees
Ducts	Std Taps - 1W Ell	Ducts : Type : Std Taps - 1W Ell
Ducts	Taps	Ducts : Type : Taps
Ducts	Taps - Std	Ducts : Type : Taps - Std

Duct System Families
COUNT and LIST of all duct system family types in the model.
Count: 4

Category	Type	Name
Duct Systems	Exhaust Air	Duct Systems : Type : Exhaust Air
Duct Systems	Outside Air	Duct Systems : Type : Outside Air
Duct Systems	Return Air	Duct Systems : Type : Return Air
Duct Systems	Supply Air	Duct Systems : Type : Supply Air

Duct Systems That Are Not Connected
PASS/FAIL check to determine if there are any duct related elements that have a blank System Name.
There are duct related elements that have a blank System Name.
Count: 318

Category	Family	Type	Name	ID
Air Terminals	AT-10 (Perforated Diffuser w Fire Damper - Return)	Workplane-based Return Diffuser	Air Terminals : AT-10 (Perforated Diffuser w Fire Damper - Return) : Workplane-based Return Diffuser	1625948
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624371
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624370
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624375
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624374
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624373
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624372
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624377
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624376
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624369
Air Terminals	AT-2 (Plaque Diffuser - Supply)	2' x 2' Diff w 6" Neck	Air Terminals : AT-2 (Plaque Diffuser - Supply) : 2' x 2' Diff w 6" Neck	1620338
Air Terminals	AT-3 (Linear Slot Diffuser - Supply)	48x3 3/4-8 In Inlet 2-Slot	Air Terminals : AT-3 (Linear Slot Diffuser - Supply) : 48x3 3/4-8 In Inlet 2-Slot	1622980
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619520
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619533
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619595
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620273
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620275
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620277
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620279
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620281
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620284
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620287
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620290
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620292
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620294
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620296
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620298

Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620301
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620305
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620309

Showing first 30 of 318 → see Appendix

Flex Duct Families
COUNT and LIST of all flex duct family types in the model.
Count: 1

Category	Type	Name
Flex Ducts	Flex - Round	Flex Ducts : Type : Flex - Round

Flex Pipe Families
COUNT and LIST of all flex pipe family types in the model.
Count: 1

Category	Type	Name
Flex Pipes	Flex - Round	Flex Pipes : Type : Flex - Round

Pipe Families
COUNT and LIST of all pipe family types in the model.
Count: 6

Category	Type	Name
Pipes	Copper Domestic Water	Pipes : Type : Copper Domestic Water
Pipes	Fire Protection	Pipes : Type : Fire Protection
Pipes	PVC Sanitary	Pipes : Type : PVC Sanitary
Pipes	PVC Sanitary (EXISTING)	Pipes : Type : PVC Sanitary (EXISTING)
Pipes	PVC Sanitary Vent	Pipes : Type : PVC Sanitary Vent
Pipes	Standard	Pipes : Type : Standard

Piping System Families
COUNT and LIST of all piping system family types in the model.
Count: 11

Category	Type	Name
Piping Systems	Domestic Cold Water	Piping Systems : Type : Domestic Cold Water
Piping Systems	Domestic Hot Water	Piping Systems : Type : Domestic Hot Water
Piping Systems	Fire Protection Dry	Piping Systems : Type : Fire Protection Dry
Piping Systems	Fire Protection Other	Piping Systems : Type : Fire Protection Other
Piping Systems	Fire Protection Pre-Action	Piping Systems : Type : Fire Protection Pre-Action
Piping Systems	Fire Protection Wet	Piping Systems : Type : Fire Protection Wet
Piping Systems	Hydronic Return	Piping Systems : Type : Hydronic Return
Piping Systems	Hydronic Supply	Piping Systems : Type : Hydronic Supply
Piping Systems	Other	Piping Systems : Type : Other
Piping Systems	Sanitary	Piping Systems : Type : Sanitary
Piping Systems	Vent	Piping Systems : Type : Vent

Piping Systems That Are Not Connected
PASS/FAIL check to determine if there are any piping related elements that have a blank System Name.
There are piping related elements that that have a blank System Name.
Count: 115

Category	Family	Type	Name	ID
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1625883
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1627225
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1627213
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1623890
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627168
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627087
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627086
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1623770
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622719
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622721
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622766
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622768
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622770

Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622772
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622793
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622795
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622794
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622790
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1624094
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1627421
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1624093
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622771
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622769
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622767
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622765
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622720
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622718
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622717
Pipe Fittings	Pipe Bend - PVC	Standard	Pipe Fittings : Pipe Bend - PVC : Standard	1626564
Pipe Fittings	Pipe Bend - PVC	Standard	Pipe Fittings : Pipe Bend - PVC : Standard	1626567

Showing first 30 of 115 → see Appendix

Electrical Systems That Are Not Connected
PASS/FAIL check to determine if there are any electrical related elements that have a blank Panel Name or Circuit Number.
There are electrical related elements that have a blank Panel Name or Circuit Number.
Count: 2,339

Category	Family	Type	Name	ID
Electrical Equipment	480vBus_duct	bus duct 1200a"	Electrical Equipment : 480vBus_duct : bus duct 1200a"	1621971
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622214
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622213
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622200
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622431
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622430
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622414
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622413
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622242
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622240
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622643
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622639
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622637
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622634
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622632
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622521
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622519
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622480
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622478
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622436
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622434
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622837
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622976
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622924
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622922
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622909
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622901
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1625342
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622835
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622833

Showing first 30 of 2339 → see Appendix

Structural System Families

4 Checks 4 Count/List

Reports of structural system families in the model

Floor Families
COUNT and LIST of all floor family types in the model.
Count: 16

Category	Type	Name
Floors	1 1/2" Metal Roof Deck	Floors : Type : 1 1/2" Metal Roof Deck
Floors	3 1/4" LW Concrete on 3" Metal Deck	Floors : Type : 3 1/4" LW Concrete on 3" Metal Deck

Floors	6" Concrete	Floors : Type : 6" Concrete
Floors	9" LW Concrete on 2" Metal Deck	Floors : Type : 9" LW Concrete on 2" Metal Deck
Floors	Concrete on Metal Deck- 6.25"	Floors : Type : Concrete on Metal Deck- 6.25"
Floors	Concrete Slab	Floors : Type : Concrete Slab
Floors	Floor Finish - CA-1	Floors : Type : Floor Finish - CA-1
Floors	Floor Finish - CA-2	Floors : Type : Floor Finish - CA-2
Floors	Floor Finish - CO-1	Floors : Type : Floor Finish - CO-1
Floors	Floor Finish - CO-2	Floors : Type : Floor Finish - CO-2
Floors	Floor Finish - RF-1	Floors : Type : Floor Finish - RF-1
Floors	Floor Finish - RF-2	Floors : Type : Floor Finish - RF-2
Floors	Floor Finish - RF-3	Floors : Type : Floor Finish - RF-3
Floors	Floor Finish - RF-4	Floors : Type : Floor Finish - RF-4
Floors	Floor Finish - WO-1	Floors : Type : Floor Finish - WO-1
Floors	Parking Surface - 4"	Floors : Type : Parking Surface - 4"

Foundation Families
COUNT and LIST of all foundation family types in the model.
Count: 10

Category	Family	Type	Name
Structural Foundations		18" Foundation Slab	Structural Foundations : Type : 18" Foundation Slab
Structural Foundations		3' Foundation Slab	Structural Foundations : Type : 3' Foundation Slab
Structural Foundations		Bearing Footing - 36" x 18"	Structural Foundations : Type : Bearing Footing - 36" x 18"
Structural Foundations		Bearing Footing - 4'-10" x 1'-6"	Structural Foundations : Type : Bearing Footing - 4'-10" x 1'-6"
Structural Foundations	Footing-Rectangular	F5	Structural Foundations : Type : Footing-Rectangular : F5
Structural Foundations	Footing-Rectangular	F6	Structural Foundations : Type : Footing-Rectangular : F6
Structural Foundations	Footing-Rectangular	F7	Structural Foundations : Type : Footing-Rectangular : F7
Structural Foundations	Footing-Rectangular	F7*	Structural Foundations : Type : Footing-Rectangular : F7*
Structural Foundations	Stepped Footing2	Stepped Footing	Structural Foundations : Type : Stepped Footing2 : Stepped Footing
Structural Foundations	Stepped Footing3	Stepped Footing	Structural Foundations : Type : Stepped Footing3 : Stepped Footing

Rebar Families
COUNT and LIST of all rebar family types in the model.
Count: 7

Category	Type	Name
Structural Rebar	#7	Structural Rebar : Type : #7
Structural Rebar	00	Structural Rebar : Type : 00
Structural Rebar	Standard - 180 deg.	Structural Rebar : Type : Standard - 180 deg.
Structural Rebar	Standard - 90 deg.	Structural Rebar : Type : Standard - 90 deg.
Structural Rebar	Stirrup/Tie - 135 deg.	Structural Rebar : Type : Stirrup/Tie - 135 deg.
Structural Rebar	Stirrup/Tie - 90 deg.	Structural Rebar : Type : Stirrup/Tie - 90 deg.
Structural Rebar	Stirrup/Tie Seismic - 135 deg.	Structural Rebar : Type : Stirrup/Tie Seismic - 135 deg.

Wall Families
COUNT and LIST of all wall family types in the model.
Count: 20

Category	Type	Name
Walls	(1) 5/8" GWB	Walls : Type : (1) 5/8" GWB
Walls	8" - Filled	Walls : Type : 8" - Filled
Walls	8" - Filled (2)	Walls : Type : 8" - Filled (2)
Walls	Cork Board	Walls : Type : Cork Board
Walls	Curtain Wall	Walls : Type : Curtain Wall
Walls	D 3 D_Core	Walls : Type : D 3 D_Core
Walls	Exterior Wall - Precast Panel	Walls : Type : Exterior Wall - Precast Panel
Walls	Foundation - 12" Concrete	Walls : Type : Foundation - 12" Concrete
Walls	Foundation - 24" Concrete	Walls : Type : Foundation - 24" Concrete
Walls	Interior - 3 1/8" Partition (1-hr)	Walls : Type : Interior - 3 1/8" Partition (1-hr)
Walls	Interior - 4 1/4" Partition TYPE 10	Walls : Type : Interior - 4 1/4" Partition TYPE 10
Walls	Interior - 4 7/8" Partition (1-hr) TYPE 4	Walls : Type : Interior - 4 7/8" Partition (1-hr) TYPE 4
Walls	Interior - 4 7/8" Partition TYPE 3	Walls : Type : Interior - 4 7/8" Partition TYPE 3
Walls	Interior - 6 1/4" Partition (2hr Shaftwall) TYPE 23	Walls : Type : Interior - 6 1/4" Partition (2hr Shaftwall) TYPE 23
Walls	Interior - 6 1/4" Partition (2-hr) TYPE 22	Walls : Type : Interior - 6 1/4" Partition (2-hr) TYPE 22
Walls	Interior - 6 1/8" Partition (2-hr) TYPE 8	Walls : Type : Interior - 6 1/8" Partition (2-hr) TYPE 8
Walls	Resin Panel	Walls : Type : Resin Panel
Walls	Retaining - 14" Concrete	Walls : Type : Retaining - 14" Concrete
Walls	Screen - 8"	Walls : Type : Screen - 8"

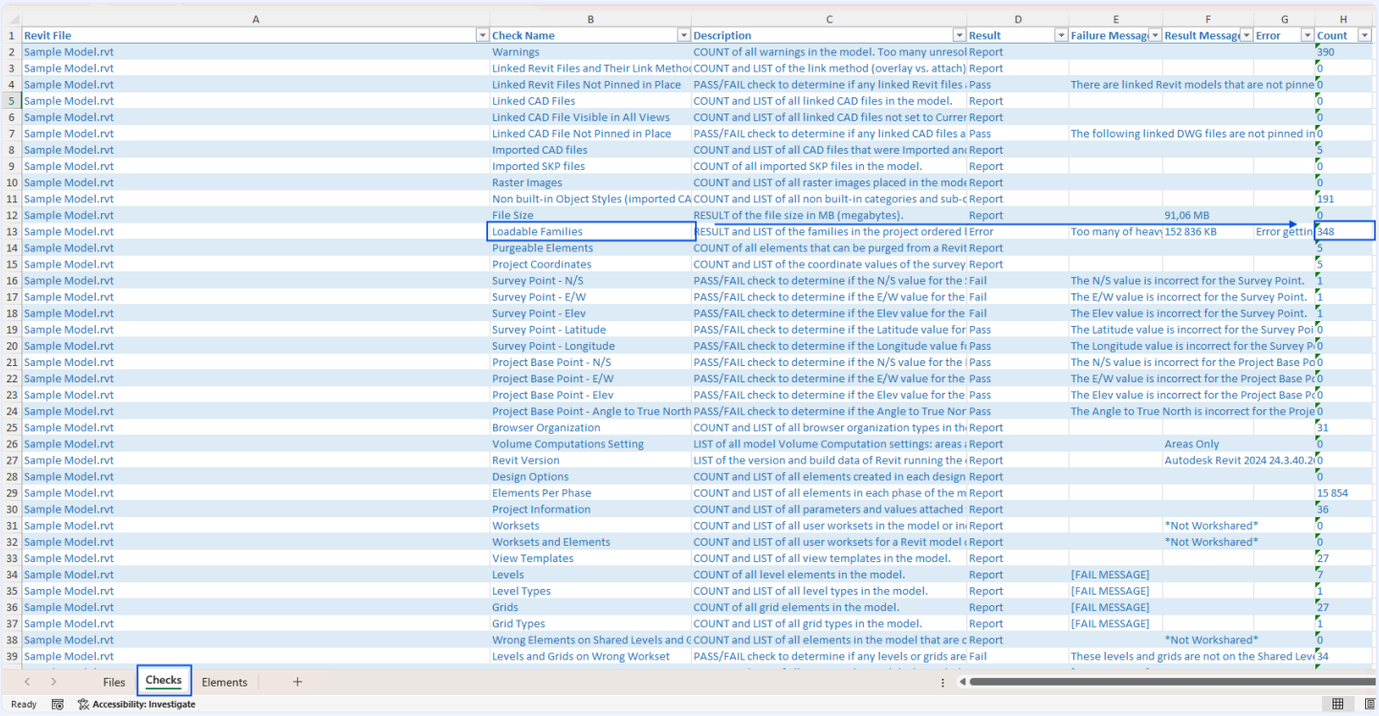
Walls	White Board	Walls : Type : White Board

APPENDIX

Tables displayed in this appendix are limited to **200 records**. Complete datasets and full element listings are available in the accompanying Excel export.

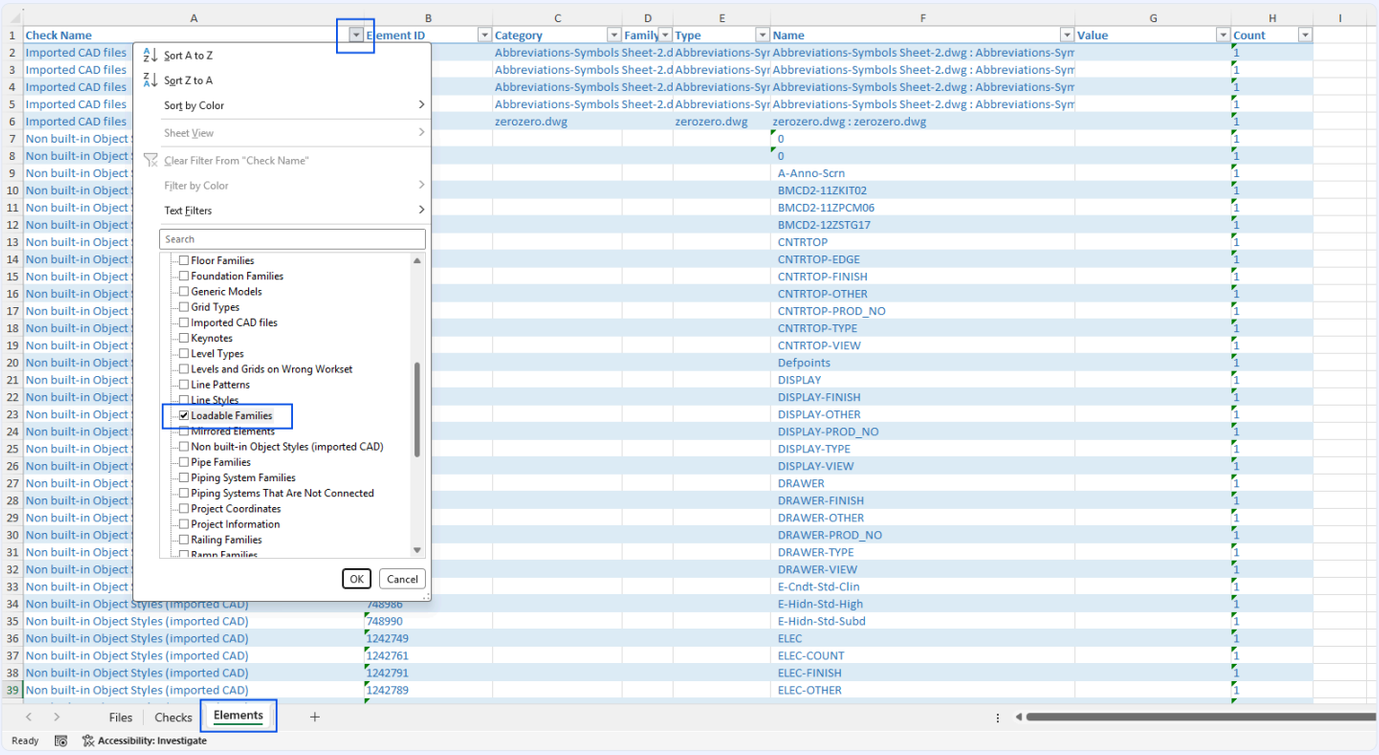
📊 How to use Excel data

1 Overview of all checks
Open the **"Checks"** tab to see the complete list of all performed checks along with their summary results and total counts.



Revit File	Check Name	Description	Result	Failure Messag	Result Messag	Error	Count
Sample Model.rvt	Warnings	COUNT of all warnings in the model. Too many unresol	Report				390
Sample Model.rvt	Linked Revit Files and Their Link Metho	COUNT and LIST of the link method (overlay vs. attach)	Report				0
Sample Model.rvt	Linked Revit Files Not Pinned in Place	PASS/FAIL check to determine if any linked Revit files	Pass	There are linked Revit models that are not pinne			0
Sample Model.rvt	Linked CAD Files	COUNT and LIST of all linked CAD files in the model.	Report				0
Sample Model.rvt	Linked CAD File Visible in All Views	COUNT and LIST of all linked CAD files not set to Curre	Report				0
Sample Model.rvt	Linked CAD File Not Pinned in Place	PASS/FAIL check to determine if any linked CAD files a	Pass	The following linked DWG files are not pinned in			0
Sample Model.rvt	Imported CAD files	COUNT and LIST of all CAD files that were Imported an	Report				5
Sample Model.rvt	Imported SKP files	COUNT of all imported SKP files in the model.	Report				0
Sample Model.rvt	Raster Images	COUNT and LIST of all raster images placed in the mod	Report				0
Sample Model.rvt	Non built-in Object Styles (imported CA	COUNT and LIST of all non built-in categories and sub-c	Report				191
Sample Model.rvt	File Size	RESULT of the file size in MB (megabytes).	Report		91,06 MB		0
Sample Model.rvt	Loadable Families	RESULT and LIST of the families in the project ordered	Error	Too many of heav	152 836 KB	Error gettin	348
Sample Model.rvt	Purgeable Elements	COUNT of all elements that can be purged from a Revit	Report				5
Sample Model.rvt	Project Coordinates	COUNT and LIST of the coordinate values of the survey	Report				5
Sample Model.rvt	Survey Point - N/S	PASS/FAIL check to determine if the N/S value for the	Fail	The N/S value is incorrect for the Survey Point.			1
Sample Model.rvt	Survey Point - E/W	PASS/FAIL check to determine if the E/W value for the	Fail	The E/W value is incorrect for the Survey Point.			1
Sample Model.rvt	Survey Point - Elev	PASS/FAIL check to determine if the Elev value for the	Fail	The Elev value is incorrect for the Survey Point.			1
Sample Model.rvt	Survey Point - Latitude	PASS/FAIL check to determine if the Latitude value for	Pass	The Latitude value is incorrect for the Survey Poi			0
Sample Model.rvt	Survey Point - Longitude	PASS/FAIL check to determine if the Longitude value f	Pass	The Longitude value is incorrect for the Survey P			0
Sample Model.rvt	Project Base Point - N/S	PASS/FAIL check to determine if the N/S value for the	Pass	The N/S value is incorrect for the Project Base Po			0
Sample Model.rvt	Project Base Point - E/W	PASS/FAIL check to determine if the E/W value for the	Pass	The E/W value is incorrect for the Project Base P			0
Sample Model.rvt	Project Base Point - Elev	PASS/FAIL check to determine if the Elev value for the	Pass	The Elev value is incorrect for the Project Base P			0
Sample Model.rvt	Project Base Point - Angle to True North	PASS/FAIL check to determine if the Angle to True Nor	Pass	The Angle to True North is incorrect for the Proje			0
Sample Model.rvt	Browser Organization	COUNT and LIST of all browser organization types in th	Report				31
Sample Model.rvt	Volume Computations Setting	LIST of all model Volume Computation settings: areas	Report		Areas Only		0
Sample Model.rvt	Revit Version	LIST of the version and build data of Revit running the	Report		Autodesk Revit 2024 24.3.40.2		0
Sample Model.rvt	Design Options	COUNT and LIST of all elements created in each design	Report				0
Sample Model.rvt	Elements Per Phase	COUNT and LIST of all elements in each phase of the m	Report				15 854
Sample Model.rvt	Project Information	COUNT and LIST of all parameters and values attached	Report				36
Sample Model.rvt	Worksets	COUNT and LIST of all user worksets in the model or in	Report		*Not Workshared*		0
Sample Model.rvt	Worksets and Elements	COUNT and LIST of all user worksets for a Revit model	Report		*Not Workshared*		0
Sample Model.rvt	View Templates	COUNT and LIST of all view templates in the model.	Report				27
Sample Model.rvt	Levels	COUNT of all level elements in the model.	Report	[FAIL MESSAGE]			7
Sample Model.rvt	Level Types	COUNT and LIST of all level types in the model.	Report	[FAIL MESSAGE]			1
Sample Model.rvt	Grids	COUNT of all grid elements in the model.	Report	[FAIL MESSAGE]			27
Sample Model.rvt	Grid Types	COUNT and LIST of all grid types in the model.	Report	[FAIL MESSAGE]			1
Sample Model.rvt	Wrong Elements on Shared Levels and C	COUNT and LIST of all elements in the model that are c	Report		*Not Workshared*		0
Sample Model.rvt	Levels and Grids on Wrong Workset	PASS/FAIL check to determine if any levels or grids are	Fail	These levels and grids are not on the Shared Levi			34

2 Filter elements by check
Go to the **"Elements"** tab and use the filter in the **"Check Name"** column. Select a specific check to display all related elements — this lets you quickly identify exactly what needs to be fixed.



Check Name	Element ID	Category	Family	Type	Name	Value	Count
Imported CAD files		Abbreviations-Symbols Sheet-2.d		Abbreviations-Sy	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Sym		1
Imported CAD files		Abbreviations-Symbols Sheet-2.d		Abbreviations-Sy	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Sym		1
Imported CAD files		Abbreviations-Symbols Sheet-2.d		Abbreviations-Sy	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Sym		1
Imported CAD files		Abbreviations-Symbols Sheet-2.d		Abbreviations-Sy	Abbreviations-Symbols Sheet-2.dwg : Abbreviations-Sym		1
Imported CAD files		zerozero.dwg		zerozero.dwg	zerozero.dwg : zerozero.dwg		1
Non built-in Object					0		1
Non built-in Object					0		1
Non built-in Object					A-Anno-Scrn		1
Non built-in Object					BMCD2-11ZKIT02		1
Non built-in Object					BMCD2-11ZPCM06		1
Non built-in Object					BMCD2-12ZSTG17		1
Non built-in Object					CNTRTOP		1
Non built-in Object					CNTRTOP-EDGE		1
Non built-in Object					CNTRTOP-FINISH		1
Non built-in Object					CNTRTOP-OTHER		1
Non built-in Object					CNTRTOP-PROD_NO		1
Non built-in Object					CNTRTOP-TYPE		1
Non built-in Object					CNTRTOP-VIEW		1
Non built-in Object					Defpoints		1
Non built-in Object					DISPLAY		1
Non built-in Object					DISPLAY-FINISH		1
Non built-in Object					DISPLAY-OTHER		1
Non built-in Object					DISPLAY-PROD_NO		1
Non built-in Object					DISPLAY-TYPE		1
Non built-in Object					DISPLAY-VIEW		1
Non built-in Object					DRAWER		1
Non built-in Object					DRAWER-FINISH		1
Non built-in Object					DRAWER-OTHER		1
Non built-in Object					DRAWER-PROD_NO		1
Non built-in Object					DRAWER-TYPE		1
Non built-in Object					DRAWER-VIEW		1
Non built-in Object					E-Cndt-Std-Clin		1
Non built-in Object Styles (imported CAD)	748986				E-Hidn-Std-High		1
Non built-in Object Styles (imported CAD)	748990				E-Hidn-Std-Subd		1
Non built-in Object Styles (imported CAD)	1242749				ELEC		1
Non built-in Object Styles (imported CAD)	1242761				ELEC-COUNT		1
Non built-in Object Styles (imported CAD)	1242791				ELEC-FINISH		1
Non built-in Object Styles (imported CAD)	1242789				ELEC-OTHER		1

Sort A to Z
Sort Z to A
Sort by Color
Sheet View
Clear Filter From "Check Name"
Filter by Color
Text Filters
Search
Floor Families
Foundation Families
Generic Models
Grid Types
Imported CAD files
Keynotes
Level Types
Levels and Grids on Wrong Workset
Line Patterns
Line Styles
Loadable Families
Mirrored Elements
Non built-in Object Styles (imported CAD)
Pipe Families
Piping System Families
Piping Systems That Are Not Connected
Project Coordinates
Project Information
Railing Families
Ramp Families
OK
Cancel

Warnings (Expanded Results)

Name

A wall and a room separation line overlap. One of them may be ignored when Revit finds room boundaries. Shorten or delete the room separation line to remove the overlap.

A wall and a room separation line overlap. One of them may be ignored when Revit finds room boundaries. Shorten or delete the room separation line to remove the overlap.

A wall and a room separation line overlap. One of them may be ignored when Revit finds room boundaries. Shorten or delete the room separation line to remove the overlap.

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A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.

A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.

A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.

A wall and a space separation line overlap. One of them may be ignored when Revit finds space boundaries. Shorten or delete the space separation line to remove the overlap.

Domestic Cold Water 103: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 37: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 39: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 41: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 42: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 82: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 86: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 90: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 91: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 92: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 93: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 94: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Cold Water 99: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Hot Water 12: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Hot Water 13: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Hot Water 14: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Domestic Hot Water 15: It is not possible to calculate the flow since the flow direction mismatch. Please check flow direction on all equipment in this system.

Elements have duplicate "Mark" values.

Elements have duplicate "Mark" values.

Elements have duplicate "Mark" values.

Elements have duplicate "Mark" values.

Showing first 200 records → full dataset in Excel

Non built-in Object Styles (imported CAD) (Expanded Results)

Name
0
0
A-Anno-Scrn
BMCD2-11ZKIT02
BMCD2-11ZPCM06
BMCD2-12ZSTG17
CNTRTOP
CNTRTOP-EDGE
CNTRTOP-FINISH
CNTRTOP-OTHER
CNTRTOP-PROD_NO
CNTRTOP-TYPE
CNTRTOP-VIEW
Defpoints
DISPLAY
DISPLAY-FINISH
DISPLAY-OTHER
DISPLAY-PROD_NO
DISPLAY-TYPE
DISPLAY-VIEW
DRAWER
DRAWER-FINISH
DRAWER-OTHER
DRAWER-PROD_NO
DRAWER-TYPE
DRAWER-VIEW
E-Cndt-Std-Clin
E-Hidn-Std-High
E-Hidn-Std-Subd
ELEC

Loadable Families (Expanded Results)

Name	Value
Generic - Front Desk ksg	976 KB
Furniture - Chair - Davis Zeno	864 KB
Furniture - 6 x 8 Abak Workstation_MW	7,416 KB
LT-13 TRACK LIGHTING	592 KB
Window_S33	592 KB
Window_S34	576 KB
Window_S32	536 KB
Window_S30	532 KB
Window_S10	520 KB
Window_S12	520 KB
Window_S6	520 KB
Window_S14	520 KB
Window_S13	516 KB
Window_S2	516 KB
Window_S14-2	516 KB
Window_S4	516 KB
Window_S3	516 KB
Window_S18	512 KB
Window_S5-2	512 KB
Window_S16	512 KB
480vBus_duct	508 KB
Lighting Equipt - Exit Sign _Symbol _ RMT	508 KB
Window_S9	508 KB
Window_S22	508 KB
Window_S15	504 KB
Window_S21	504 KB
Window_C4	500 KB
Window_S20	500 KB
Furniture - Wassily	496 KB
Window_S23	496 KB

Showing first 200 records → full dataset in Excel

Spaces (Expanded Results)

Category	Name
Spaces	Spaces : (E) Conf 2
Spaces	Spaces : (E) Corridor 125
Spaces	Spaces : (E) Space 101
Spaces	Spaces : (E) Space 11
Spaces	Spaces : (E) Space 130
Spaces	Spaces : (E) Space 154
Spaces	Spaces : (E) Space 155
Spaces	Spaces : (E) Space 156
Spaces	Spaces : (E) Space 157
Spaces	Spaces : (E) Space 158
Spaces	Spaces : (E) Space 227
Spaces	Spaces : (E) Space 228
Spaces	Spaces : (E) Space 229
Spaces	Spaces : (E) Space 230
Spaces	Spaces : (E) Space 231
Spaces	Spaces : (E) Space 232
Spaces	Spaces : (E) Space 234
Spaces	Spaces : (E) Space 235
Spaces	Spaces : (E) Space 236
Spaces	Spaces : (E) Space 237
Spaces	Spaces : (E) Space 238
Spaces	Spaces : (E) Space 239
Spaces	Spaces : (E) Space 240
Spaces	Spaces : (E) Space 241
Spaces	Spaces : (E) Space 303
Spaces	Spaces : (E) Space 304
Spaces	Spaces : (E) Space 305
Spaces	Spaces : (E) Space 306
Spaces	Spaces : (E) Space 307
Spaces	Spaces : (E) Space 308

Levels and Grids on Wrong Workset (Expanded Results)

Category	Type	Name	ID
Grids	1/4" Bubble	Grids : 1/4" Bubble	752669
Grids	1/4" Bubble	Grids : 1/4" Bubble	752702
Grids	1/4" Bubble	Grids : 1/4" Bubble	752709
Grids	1/4" Bubble	Grids : 1/4" Bubble	752695
Grids	1/4" Bubble	Grids : 1/4" Bubble	752688
Grids	1/4" Bubble	Grids : 1/4" Bubble	752716
Grids	1/4" Bubble	Grids : 1/4" Bubble	752730
Grids	1/4" Bubble	Grids : 1/4" Bubble	752746
Grids	1/4" Bubble	Grids : 1/4" Bubble	752760
Grids	1/4" Bubble	Grids : 1/4" Bubble	752774

Browser Organization (Expanded Results)

Name
01 By Associated Level (all)
01 By View Type Group
02 By View Scale (all)
02 By Volume
03 By Work Views (partial)
04 By Sheet Views (partial)
05 By Schematic Views (partial)
06 By Inported / Exported Views
07 Not on sheets (partial)
all

Generic Models (Expanded Results)

Category	Family	Type	Name
Generic Models	1	12939	Generic Models : 1 : 12939
Generic Models	10	40047	Generic Models : 10 : 40047
Generic Models	100	1171	Generic Models : 100 : 1171
Generic Models	101	16134	Generic Models : 101 : 16134
Generic Models	102	16176	Generic Models : 102 : 16176
Generic Models	103	16401	Generic Models : 103 : 16401
Generic Models	104	16440	Generic Models : 104 : 16440
Generic Models	105	16479	Generic Models : 105 : 16479
Generic Models	106	16518	Generic Models : 106 : 16518
Generic Models	107	16557	Generic Models : 107 : 16557
Generic Models	108	19386	Generic Models : 108 : 19386
Generic Models	109	18995	Generic Models : 109 : 18995
Generic Models	11	40086	Generic Models : 11 : 40086
Generic Models	110	19037	Generic Models : 110 : 19037
Generic Models	111	19100	Generic Models : 111 : 19100
Generic Models	112	19326	Generic Models : 112 : 19326
Generic Models	113	19389	Generic Models : 113 : 19389
Generic Models	114	22713	Generic Models : 114 : 22713
Generic Models	115	22776	Generic Models : 115 : 22776
Generic Models	116	23002	Generic Models : 116 : 23002
Generic Models	117	23041	Generic Models : 117 : 23041
Generic Models	118	23099	Generic Models : 118 : 23099
Generic Models	119	23325	Generic Models : 119 : 23325
Generic Models	12	40125	Generic Models : 12 : 40125
Generic Models	120	23774	Generic Models : 120 : 23774
Generic Models	121	32239	Generic Models : 121 : 32239
Generic Models	122	32281	Generic Models : 122 : 32281
Generic Models	123	32320	Generic Models : 123 : 32320
Generic Models	124	32359	Generic Models : 124 : 32359
Generic Models	125	32398	Generic Models : 125 : 32398

Showing first 200 records → full dataset in Excel

Mirrored Elements (Expanded Results)

Category	Family	Type	Name	ID
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621367
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621382
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621376
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621370
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621859
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621853

Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621441
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621438
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621394
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1621388
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622068
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623846
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623840
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623834
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623828
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623822
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622062
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622047
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622041
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622035
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622029
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622023
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622017
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1622005
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1623858
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624538
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624638
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624679
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624676
Air Terminals	AT-1 (Spiral Duct Mounted - Supply)	12 x 4	Air Terminals : AT-1 (Spiral Duct Mounted - Supply) : 12 x 4	1624673

Showing first 200 records → full dataset in Excel

Line Patterns (Expanded Results)

Name
7in Detail Layout - Aligning Line
7in Detail Layout - Dots Small
ACAD_ISO02W100
ACAD_ISO09W100
ACAD_ISO10W100
ACAD_ISO12W100
ACAD_ISO14W100
Aligning Line
Aligning Line 1/8"
BATTING
BATTING (2)
BATTING (3)
Callout
Center
CENTER
Center 1/4"
Center 3/8"
Center 5/8"
CENTER2
Dash
Dash 1/16"
Dash 1/32"
Dash 1/8"
Dash 3/32"
Dash dot
Dash Dot 3/16"
Dash Dot 3/8"
Dash dot dot
Dash Dot Dot 1/8"
Dash Dot Dot 3/16"

Line Styles (Expanded Results)

Name
<Area Based Load Boundary>
<Area Boundary>
<Axis of Rotation>
<Beyond>
<Centerline>
<Demolished>

<Fabric Envelope>
<Fabric Sheets>
<Hidden Lines>
<Hidden>

Fill Patterns (Expanded Results)

Name
<Solid fill>
Aluminum
Aluminum2
BLOCK 8x16
BLOCK 8x8
BRICK
Brick Soldier Course
BRICK: ENGLISH
BRICK: RUNNING BOND
CEILING TILE 24x24
CEILING TILE 24x48
Concrete
CONCRETE: DENSE
CONCRETE: LIGHT
CONCRETE: MEDIUM
Crosshatch
Crosshatch-small
Diagonal crosshatch
Diagonal crosshatch-small
Diagonal down
Diagonal down-small
Diagonal up
Diagonal up-small
Earth
EXTERIOR LOUVER
Gypsum-Plaster
Hachures croisées en diagonale
Horizontal
Horizontal-small
Insulation - Rigid

Filled Regions (Expanded Results)

Category	Type	Name
Detail Items	Aluminum	Detail Items : Aluminum
Detail Items	BLOCK 8x16	Detail Items : BLOCK 8x16
Detail Items	BLOCK 8x16	Detail Items : BLOCK 8x16
Detail Items	BLOCK 8x8	Detail Items : BLOCK 8x8
Detail Items	BRICK	Detail Items : BRICK
Detail Items	BRICK	Detail Items : BRICK
Detail Items	Brick English	Detail Items : Brick English
Detail Items	Brick Running Bond	Detail Items : Brick Running Bond
Detail Items	Brick Soldier Course	Detail Items : Brick Soldier Course
Detail Items	Brick Soldier Course	Detail Items : Brick Soldier Course
Detail Items	Ceiling Tile 24x24	Detail Items : Ceiling Tile 24x24
Detail Items	Ceiling Tile 24x48	Detail Items : Ceiling Tile 24x48
Detail Items	Concrete	Detail Items : Concrete
Detail Items	CONCRETE DENSE	Detail Items : CONCRETE DENSE
Detail Items	CONCRETE LIGHT	Detail Items : CONCRETE LIGHT
Detail Items	CONCRETE MEDIUM	Detail Items : CONCRETE MEDIUM
Detail Items	CONCRETE MEDIUM	Detail Items : CONCRETE MEDIUM
Detail Items	Crosshatch	Detail Items : Crosshatch
Detail Items	Crosshatch-small	Detail Items : Crosshatch-small
Detail Items	Diagonal Crosshatch	Detail Items : Diagonal Crosshatch
Detail Items	Diagonal crosshatch-small	Detail Items : Diagonal crosshatch-small
Detail Items	Diagonal Down	Detail Items : Diagonal Down
Detail Items	Diagonal down-small	Detail Items : Diagonal down-small
Detail Items	Diagonal Up	Detail Items : Diagonal Up
Detail Items	Diagonal up-small	Detail Items : Diagonal up-small
Detail Items	Earth	Detail Items : Earth
Detail Items	Earth	Detail Items : Earth

Detail Items	Gypsum-Plaster	Detail Items : Gypsum-Plaster
Detail Items	Gypsum-Plaster	Detail Items : Gypsum-Plaster
Detail Items	Horizontal	Detail Items : Horizontal

Views Not On Sheets (Expanded Results)

Name
3D View - 3D for Export to Civil
3D View - 3D View 1
3D View - 3D View 2
3D View - All
3D View - Architectural
3D View - MEP
3D View - Structural
Area Plan - FLOOR 1
Ceiling Plan - BASEMENT LEVEL
Ceiling Plan - FLOOR 1

Duct Systems That Are Not Connected (Expanded Results)

Category	Family	Type	Name	ID
Air Terminals	AT-10 (Perforated Diffuser w Fire Damper - Return)	Workplane-based Return Diffuser	Air Terminals : AT-10 (Perforated Diffuser w Fire Damper - Return) : Workplane-based Return Diffuser	1625948
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624371
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624370
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624375
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624374
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624373
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624372
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624377
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624376
Air Terminals	AT-11 (Perforated Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-11 (Perforated Diffuser - Return) : Workplane-based Return Diffuser	1624369
Air Terminals	AT-2 (Plaque Diffuser - Supply)	2' x 2' Diff w 6" Neck	Air Terminals : AT-2 (Plaque Diffuser - Supply) : 2' x 2' Diff w 6" Neck	1620338
Air Terminals	AT-3 (Linear Slot Diffuser - Supply)	48x3 3/4-8 In Inlet 2-Slot	Air Terminals : AT-3 (Linear Slot Diffuser - Supply) : 48x3 3/4-8 In Inlet 2-Slot	1622980
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619520
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619533
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1619595
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620273
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620275
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620277
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620279
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620281
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620284
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620287
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620290
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620292
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620294
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620296
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620298
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620301
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620305
Air Terminals	AT-5 (Plaque Diffuser - Return)	Workplane-based Return Diffuser	Air Terminals : AT-5 (Plaque Diffuser - Return) : Workplane-based Return Diffuser	1620309

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Piping Systems That Are Not Connected (Expanded Results)

Category	Family	Type	Name	ID
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1625883
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1627225
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1627213
Pipe Accessories	Ball Valve - 1 Inch	1"	Pipe Accessories : Ball Valve - 1 Inch : 1"	1623890
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627168
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627087
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1627086
Pipe Accessories	Ball Valve .5	1/2"	Pipe Accessories : Ball Valve .5 : 1/2"	1623770
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622719
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622721
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622766
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622768
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622770
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622772
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622793
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622795
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622794
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622790
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1624094
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1627421
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1624093
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622771
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622769
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622767
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622765
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622720
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622718
Pipe Fittings	Pipe Bend - PVC	Electrical Conduit Radius - EMT	Pipe Fittings : Pipe Bend - PVC : Electrical Conduit Radius - EMT	1622717
Pipe Fittings	Pipe Bend - PVC	Standard	Pipe Fittings : Pipe Bend - PVC : Standard	1626564
Pipe Fittings	Pipe Bend - PVC	Standard	Pipe Fittings : Pipe Bend - PVC : Standard	1626567

Electrical Systems That Are Not Connected (Expanded Results)

Category	Family	Type	Name	ID
Electrical Equipment	480vBus_duct	bus duct 1200a"	Electrical Equipment : 480vBus_duct : bus duct 1200a"	1621971
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622214
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622213
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622200
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622431
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622430
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622414
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622413
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622242
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622240
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622643
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622639
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622637
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622634
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622632
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622521
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622519
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622480
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622478
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622436
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622434
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622837
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622976
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622924
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622922
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622909
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622901
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1625342
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622835
Electrical Equipment	Disconnect Switches	208V, 1PH - Fusible 30A	Electrical Equipment : Disconnect Switches : 208V, 1PH - Fusible 30A	1622833

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