

# BIM 360 and the Power of the Cloud

Brendan Dillon

Digital Facilities & Infrastructure Program Manager



# Brendan Dillon

## Digital Facilities & Infrastructure Program Manager

DEN is the sixth busiest airport in the United States and has developed a comprehensive BIM and Asset Management plan unsurpassed by any airport in the country. DEN's DFI program manages over 120 projects at a time with a net value in excess of \$2 billion. Prior to joining DEN, he had managed over \$1B in BIM projects, including as the BIM standards coordinator for the design team on Denver International Airport's South Terminal Redevelopment Project. Brendan is also the founder of the annual Airport Information Integration and Innovation (AI3) forum and is the founder of Red5ive Consulting, specializing in BIM deployment and integration for airports.

# Emmy Thammasine

## BIM/Asset Manager of the Special Projects Division

**Sonepraseuth Emmy Thammasine** is the BIM/Asset Manager of the Special Projects Division at Denver International Airport, DEN, and currently managing the "Great Hall Project," a major redevelopment of the airport's main terminal. DEN has grown and has become one of the busiest airports in the world, and in the BIM and Asset Management world, DEN has set the bar high for Airports by being a leader in BIM Technology and Innovation. Emmy has contributed to DEN's BIM adoption and implementation in ways of research & development, establishing standard operating protocols and discovering solutions to enhance existing workflows & procedures and turning latest ideas and visions into reality. If he wasn't busy with managing projects, it'd be hard getting him to step away from Dynamo.

# Ignacio De La Hera Sola

## Senior Architect

**Ignacio De La Hera Sola** is a senior architect experienced in overall project lifecycle management, including design, construction, coordination, and execution. Ignacio is currently a BIM Manager at Ferrovial Agroman US corp. and working on the remodeling and commercial operation of the Jeppesen terminal at Denver International Airport, handling the BIM process from the conceptual stage through design, preconstruction, execution and maintenance.

Between 2015 and 2017, Ignacio worked in the BIM Department in TYPESA, a multidisciplinary team focused on providing support to the design and management teams in implementing BIM processes on projects, gathering state-of-the-art information, developing procedures and helping to consolidate and increase company's BIM related "know-how" and, therefore, its overall capacities

# BIM 360 and the Power of the Cloud

Denver International Airport (DEN) has been capitalizing on the value of the BIM 360 platform for 8 years. Now DEN is deploying the latest tools on the BIM 360 platform on more than \$2 billion worth of capital improvement projects, for every purpose from production, coordination, quality assurance, and review in design, to inspections, asset data capture, and quality assurance and quality control in construction, to transitioning to operations at handover. BIM 360 Design Collaboration, BIM 360 Glue software, Navisworks software, BIM 360 Model Coordination, BIM 360 Docs software, BIM 360 Insight software, and BIM 360 Field Management have all provided value to DEN. With the latest BIM tools, it is becoming increasingly clear that leadership in BIM adoption must begin with the owner as the ultimate customer for all facility data.

# Learning Objectives

## LEARNING OBJECTIVE 1

Understand how cloud services increasingly give building owners greater flexibility.

## LEARNING OBJECTIVE 2

Discover how the 360 platform integrates, informs, and is informed by the needs of facility owners

## LEARNING OBJECTIVE 3

Learn how to use cloud services to improve productivity, reduce rework and waste, and enhance collaboration

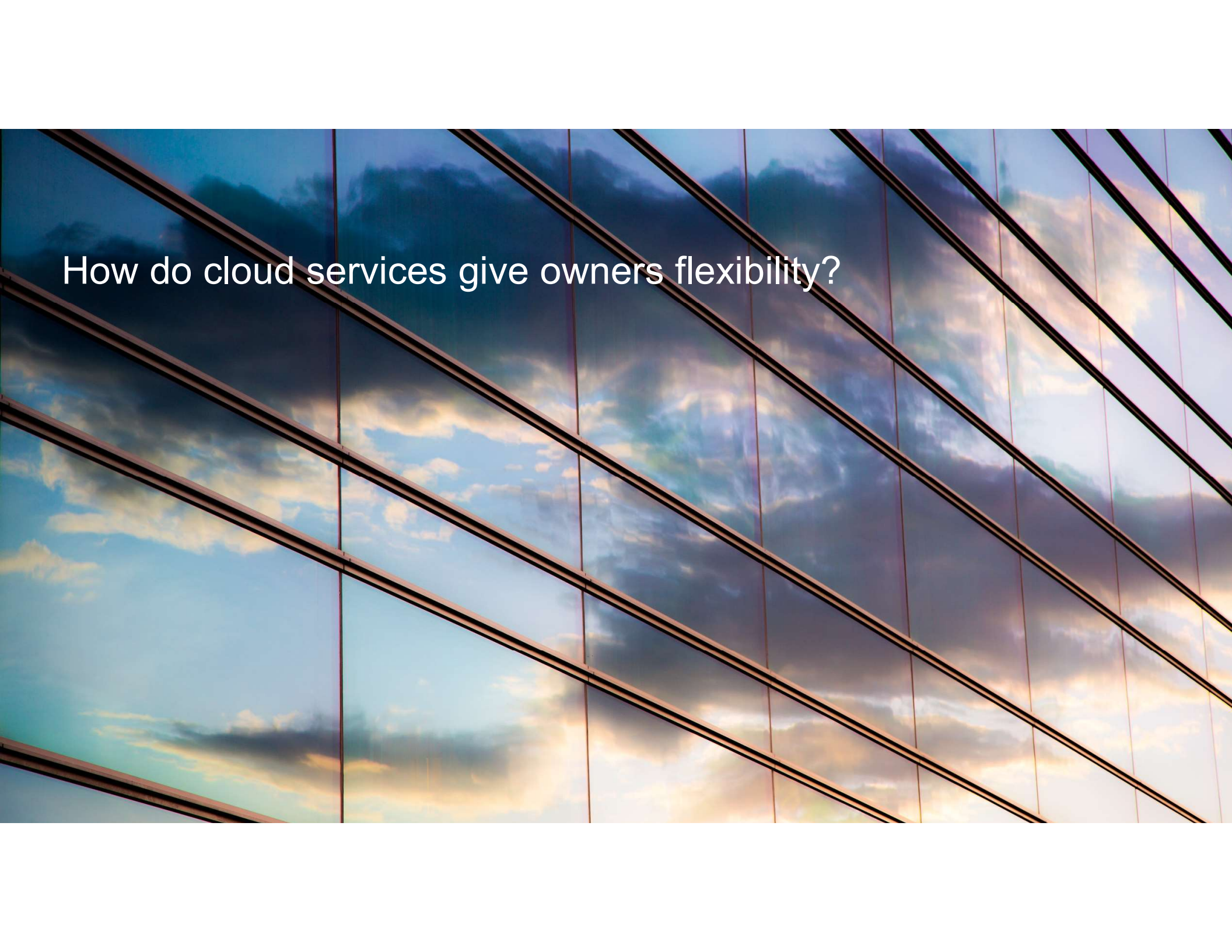
## LEARNING OBJECTIVE 4

Learn why BIM processes increasingly must begin with the owner



Why must BIM Processes begin with the owners?





How do cloud services give owners flexibility?





How does DEN leverage BIM 360 to provide value?



Account Admin Overview

The Account Admin Overview provides account details and member, project, and company usage metrics.

Account Start/Renewal Date

11 Months remaining

Start Date  
Mar 6, 2015

Renewal Date  
Oct 31, 2019

Activated Members

696

Internal Company Members

152

External Company Members

105

Internal Company Members

439

Activated Projects

199

Partner Companies

561

Projects by Type

View all projects

Airport

246

Office

18

Streets / Roads / Highways

199 Active Projects:  
Design, Construction, Closeout, Warranty  
500+ Partner Companies  
700+ Users  
150+ Internal Users  
11 City Reviewers

**Quality in a service or product is not what you put into it. It is what the client or customer gets out of it.**

*Peter Drucker*

## DOCUMENT MANAGEMENT



Project Home



Insight



Document  
Management



Project  
Management



Design  
Collaboration



Model  
Coordination





## Document Management

FOLDERS

REVIEWS

ISSUES

View by

Folders

Sets

Upload

Search for files



1

# Access Controlled at the folder level by...

- Name
- Role
- Company

Folder Settings

Permissions PDF Viewer

Enter roles, companies, individual names or emails [Add](#)

Permission Level: ☐ View-only

Name	Permission Level	Type
Brian Martin	<input checked="" type="checkbox"/> View + Upload + Edit + Control	User
Akm Rahman	<input checked="" type="checkbox"/> View + Upload + Edit + Control	User
Kartika Rachmawati	<input checked="" type="checkbox"/> View + Upload + Edit	User
Sonepraseuth Thammasinc	<input checked="" type="checkbox"/> View + Upload + Edit + Control	User
Scott Maish	<input type="checkbox"/> View-only	User
Michael Mowry	<input type="checkbox"/> View-only	User
Jeff Warren	<input checked="" type="checkbox"/> View + Upload + Edit + Control	User

Project Files

- \_Concessions
  - \_TEMPLATE
  - A5-17
  - A5-18\_31
  - A5-19\_20
  - Consumed
  - L6-2
    - Architecture
      - Plans
      - Images** ...
      - Specifications
    - MEP
  - L6-5
    - 30% Supporting Documen...
  - \_DEN

## Document Management

FOLDERS

REVIEWS

ISSUES

# Flexibility

## Link to...

- Live Models
- Shared Packages
- Consumed Packages
- Mix it up!

Name	Version	Last updated	Updated by	Set	Description
Design Team WIP	--	Sep 3, 2018 2:42 PM	Chris Pittman	--	--
Concept	--	Jul 23, 2018 7:51 AM	Chris Pittman	--	--
Consumed	--	Apr 27, 2018 10:22 AM	Brendan Dillon	--	--
Entourage	--	Jul 23, 2018 7:52 AM	Chris Pittman	--	--
CCC_CG-A_201733061_Central-2018.rvt	V19	Nov 9, 2018 10:39 AM	Chris Pittman	--	CCC_CG-A_201733061_Central-2018.rvt
CCC_DEN-A_Central.rvt	V3	Nov 9, 2018 10:39 AM	Chris Pittman	--	CCC_DEN-A_Central.rvt
CCC_JA-A_201733061_Central-2018.rvt	V39	Nov 9, 2018 11:21 AM	Chris Pittman	--	CCC_JA-A_201733061_Central-2018.rvt
CCC_JAGS-I_201733061_Central-2018.rvt	V15	Nov 2, 2018 9:43 AM	Chris Pittman	--	CCC_JAGS-I_201733061_Central-2018.rvt

View by

Folders Sets

- Life Safety
- Mechanical
- Plumbing
- Shared
  - \_Concessions
  - \_DEN
  - Architecture
  - Construction
  - Electrical
  - FFE
  - Fire Alarm
  - Fire Protection
  - Life Safety
  - Mechanical

View by

Folders Sets

- Life Safety
- Mechanical
- Plumbing
- Shared
  - \_Concessions
  - \_DEN
  - Architecture
  - Construction
  - Electrical
  - FFE
  - Fire Alarm
  - Fire Protection
  - Life Safety
  - Mechanical

88 Upload

	Name ▲	Version
<input type="checkbox"/>	CCA_DEN-A_Central_TEST.rvt	V1
<input type="checkbox"/>	CCC_A-DEN_Central.rvt	V1
<input type="checkbox"/>	ghb test 1.rvt	V1
<input type="checkbox"/>	TML_LVA-A_GHP_Central-2017.rvt	V2

88 Upload

	Name ▲	Version
<input type="checkbox"/>	CCA_DEN-A_Central_TEST.rvt	V1
<input type="checkbox"/>	CCC_A-DEN_Central.rvt	V1
<input type="checkbox"/>	ghb test 1.rvt	V1
<input type="checkbox"/>	TML_LVA-A_GHP_Central-2017.rvt	V2

SHARED

View by

Folders Sets

- Electrical
- FFE
- Fire Alarm
- Fire Protection
- GHB
- Life Safety
- Mechanical
  - Consumed
  - Architecture

88 Upload

	Name ▲	Version
<input type="checkbox"/>	CCC_A-DEN_Central.rvt	V1

CONSUMED

View by

Folders Sets

- Plans
- Project Files
  - \_Concessions
  - \_DEN
  - Architecture
  - Construction
  - Electrical
  - FFE
  - Fire Alarm
  - Fire Protection
  - GHB
  - Life Safety
  - Mechanical
  - Plumbing
  - Shared

View by

Folders Sets

- Plans
- Project Files
  - \_Concessions
  - \_DEN
  - Architecture
  - Construction
  - Electrical
  - FFE
  - Fire Alarm
  - Fire Protection
  - GHB
  - Life Safety
  - Mechanical
  - Plumbing
  - Shared

88 Upload

	Name ▲	Version
<input type="checkbox"/>	Consumed	--
<input type="checkbox"/>	Level01	--
<input type="checkbox"/>	CCA_DEN-A_Central_TEST.rvt	V8
<input type="checkbox"/>	CCC_A-DEN_Central.rvt	V2
<input type="checkbox"/>	FamilyCheck.xlsx	V1
<input type="checkbox"/>	ghb test 1.rvt	V3
<input type="checkbox"/>	TML_LVA-A_GHP_Central-2017.rvt	V3

88 Upload

	Name ▲	Version
<input type="checkbox"/>	Consumed	--
<input type="checkbox"/>	Level01	--
<input type="checkbox"/>	CCA_DEN-A_Central_TEST.rvt	V8
<input type="checkbox"/>	CCC_A-DEN_Central.rvt	V2
<input type="checkbox"/>	FamilyCheck.xlsx	V1
<input type="checkbox"/>	ghb test 1.rvt	V3
<input type="checkbox"/>	TML_LVA-A_GHP_Central-2017.rvt	V3

LIVE



# Document Management

FOLDERS

REVIEWS

ISSUES

View by

Folders

Sets

- Plans
- Project Files
  - 18-018\_ARCH
  - 18-018\_MEP
  - 18-018\_STR
  - 18-042\_ARCH
  - 18-042\_BHS
  - 18-042\_MECH
  - 18-042\_STR
  - 18-043\_ARCH
  - 18-043\_INT
  - 19-001\_ARCH
  - 19-001\_ELEC
  - 19-001\_MECH
  - 19-001\_PLUMB
  - \_FACILITY
  - Shared

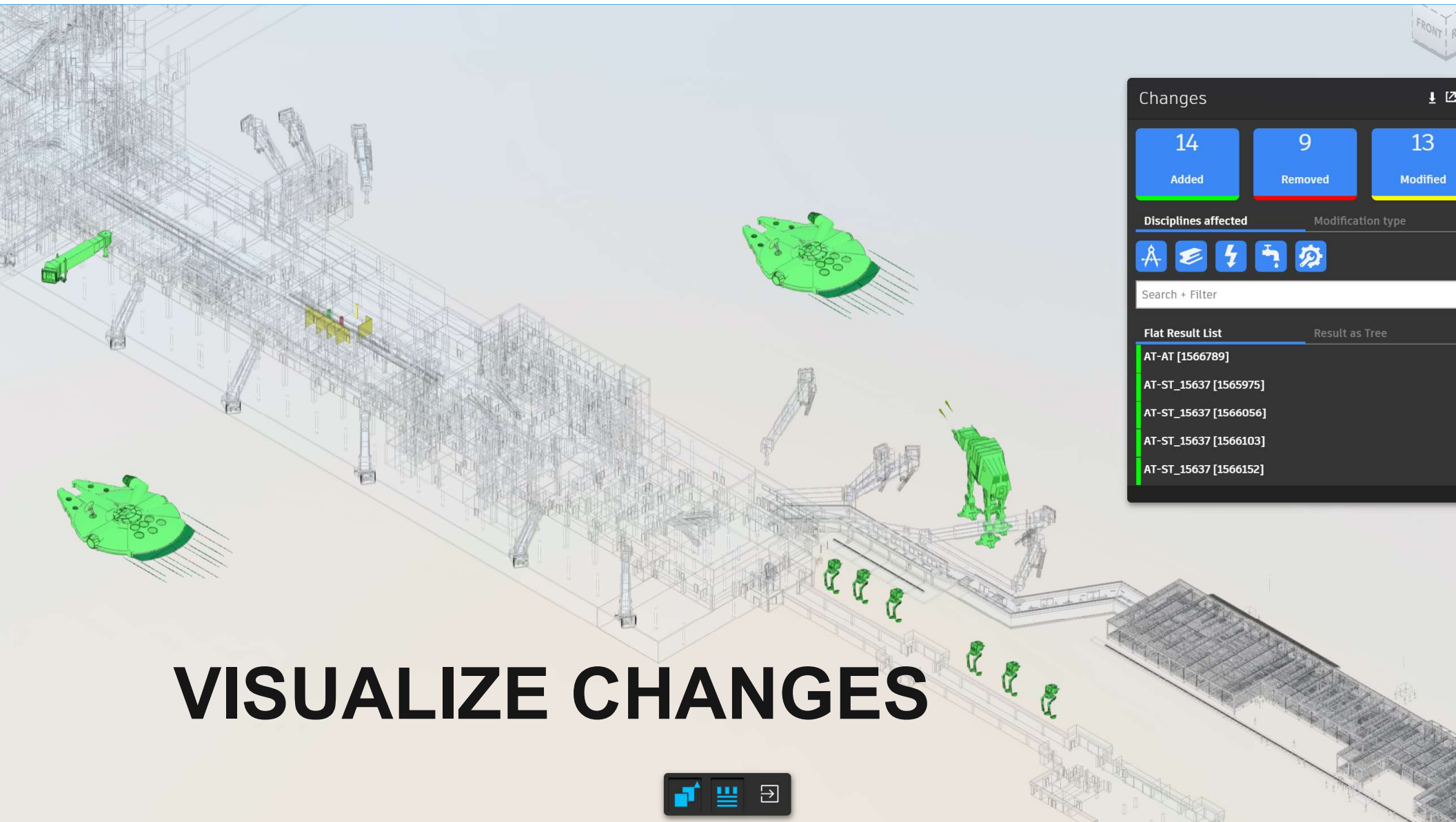
Upload

Search for files

<input type="checkbox"/>	Name ▲	Version	Last updated	Updated by	Markup	Issue	RFI	Status	Set ▼	
<input type="checkbox"/>	Consumed	--	Apr 11, 2018 10:33 AM	Brendan Dillon	--	--	--	--	--	
<input type="checkbox"/>	denBIM_DSM.pdf	V1	Jul 17, 2018 8:59 AM	Brendan Dillon				--	--	
<input type="checkbox"/>	PKG_DEN-A_Central.rvt	V2	Apr 11, 2018 12:19 PM	Brendan Dillon				--	--	
<input type="checkbox"/>	TML_DEN-A_11E.rvt	V1	May 31, 2018 9:42 AM	Sonepraseuth Tham...				--	--	

# What If?





**VISUALIZE CHANGES**

# COMPARE PHASES

## Changes

0

Added

84

Removed

0

Modified

### Disciplines affected

Modification type



Search + Filter

### Flat Result List

Result as Tree

0800-DBL-Flush [759718]

0800-SGL-Flush [759658]

1200-CASEWK-Counter Top [764285]

1200-CASEWK-Counter Top [854509]

18X4 SHELF [855371]





# COMPARE VERSIONS

## Changes

85

Added

1

Removed

134

Modified

### Disciplines affected

Modification type



Search + Filter

### Flat Result List

Result as Tree

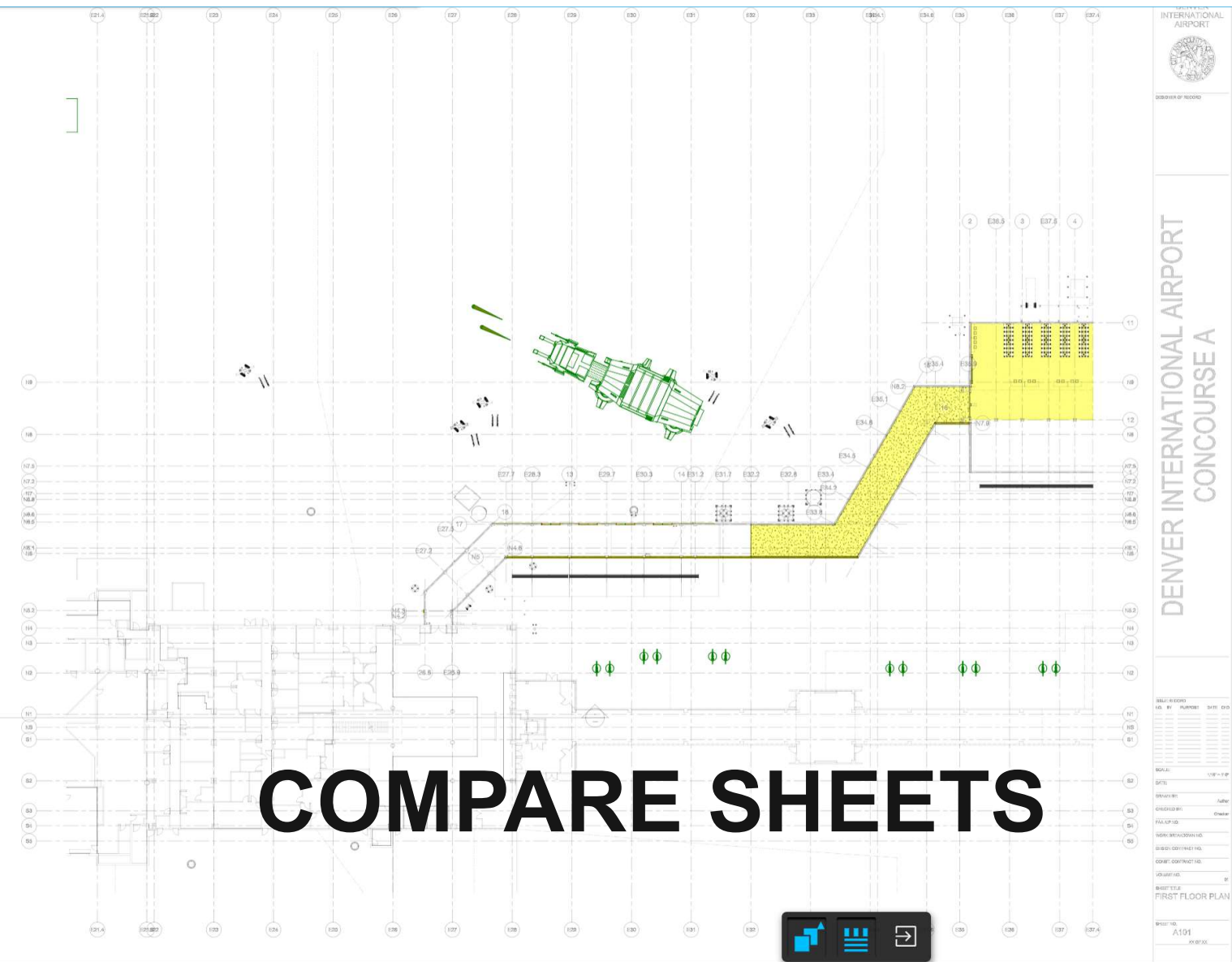
0800-DBL-Flush [759718]

0800-SGL-Flush [759658]

1200-CASEWK-Counter Top [764285]

1200-CASEWK-Counter Top [854509]

1424-ELEVAT-Door-Center [743989]



## Changes

11

Added

2

Removed

7

Modified

Disciplines affected

Modification type



Search + Filter

Flat Result List

Result as Tree

AT-AT [1566789]

AT-ST\_15637 [1565975]

AT-ST\_15637 [1566056]

AT-ST\_15637 [1566103]

AT-ST\_15637 [1566152]

# Export Changes

1	Name	Change	Modification Type	Properties	
2	AT-AT [1566789]	added			
3	AT-ST_15637 [1565975]	added			
4	AT-ST_15637 [1566056]	added			
5	AT-ST_15637 [1566103]	added			
6	AT-ST_15637 [1566152]	added			
7	AT-ST_15637 [1566269]	added			
8	AT-ST_15637 [1566428]	added			
9	Basic Wall [1553222]	added			
10	Basic Wall [1553223]	added			
11	Basic Wall [1553224]	added			
12	Basic Wall [552267]	modified	Transformation		
13	Basic Wall [552268]	modified	Transformation, Attribute	Length by 5.743', Area by 74.662' <sup>2</sup> , Volume by 49.775 ft <sup>3</sup>	
14	Basic Wall [552303]	modified	Transformation, Attribute	Length by -1.595', Area by -20.730' <sup>2</sup> , Volume by -9.501 ft <sup>3</sup>	
15	Basic Wall [552304]	modified	Transformation		
16	Basic Wall [552305]	modified	Transformation, Attribute	Length by -1.595', Area by -20.730' <sup>2</sup> , Volume by -9.501 ft <sup>3</sup>	
17	Basic Wall [552306]	modified	Transformation, Attribute	Length by -1.595', Area by -20.730' <sup>2</sup> , Volume by -9.501 ft <sup>3</sup>	
18	Basic Wall [552307]	modified	Transformation, Attribute	Length by -1.595', Area by -20.730' <sup>2</sup> , Volume by -9.501 ft <sup>3</sup>	
19	Basic Wall [563464]	removed			
20	Basic Wall [563465]	removed			
21	Basic Wall [563466]	removed			
22	Basic Wall [568204]	modified	Geometry		
23	Basic Wall [568216]	removed			
24	Basic Wall [568217]	removed			
25	Basic Wall [568218]	removed			
26	Basic Wall [568219]	removed			





Admin



Account Admin

# GLUE

---

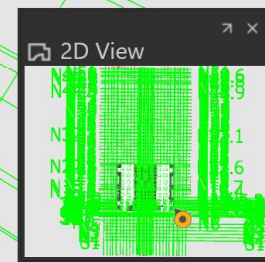
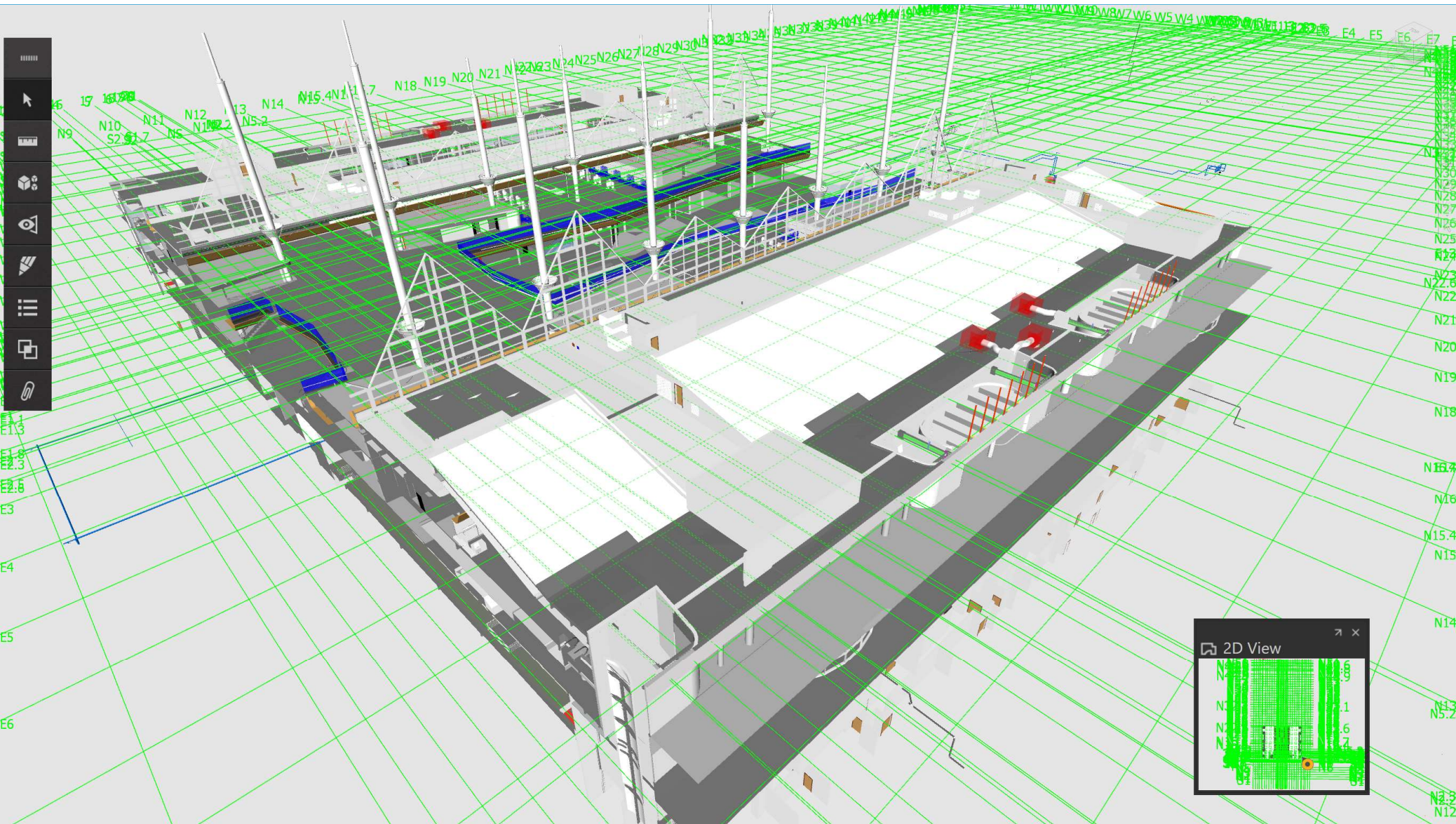
BIM 360 Glue 

BIM 360 Field 

---

[Privacy](#) | [Terms and Conditions](#)

© 2018 Autodesk Inc. All rights reserved.





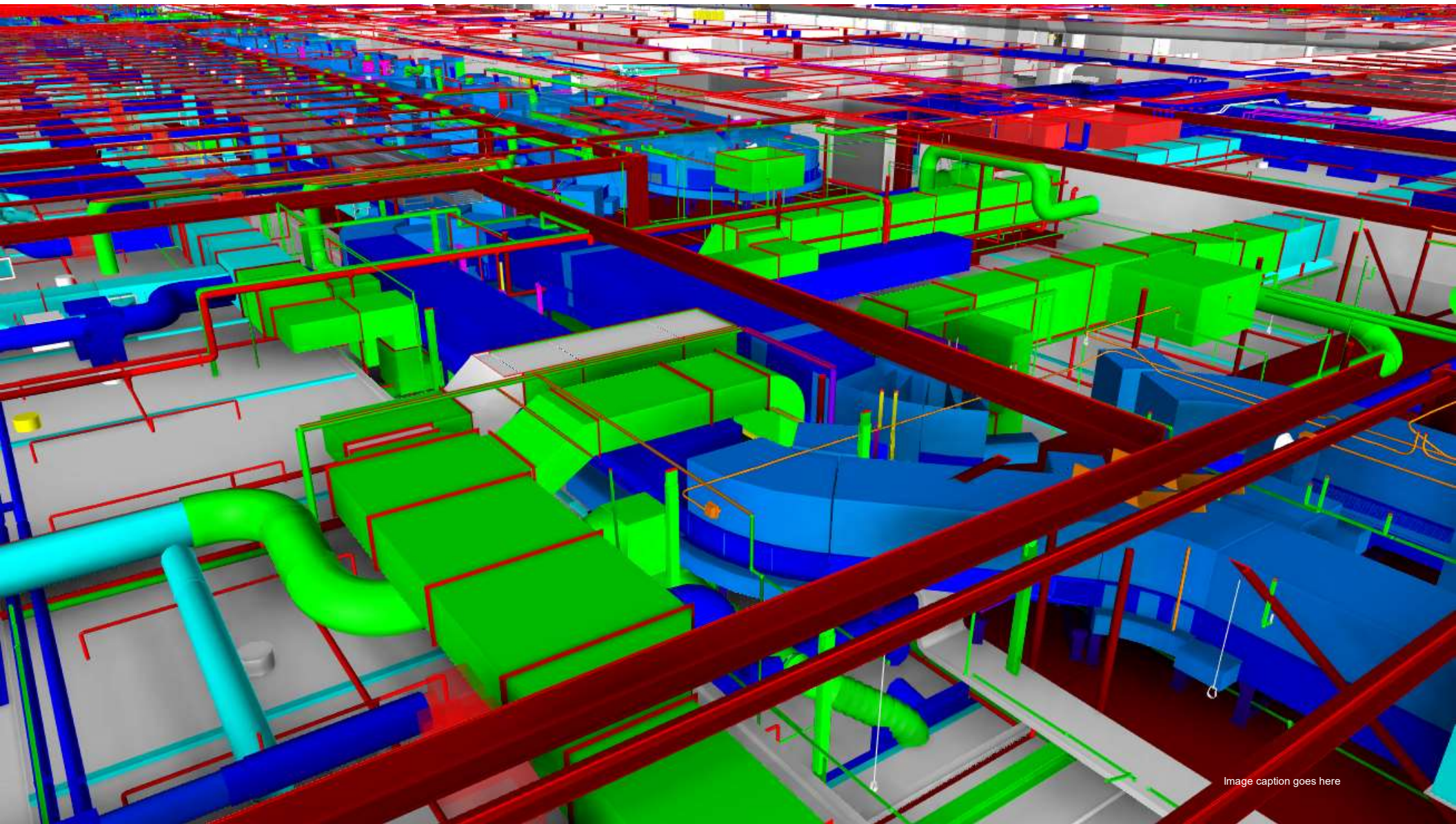


Image caption goes here



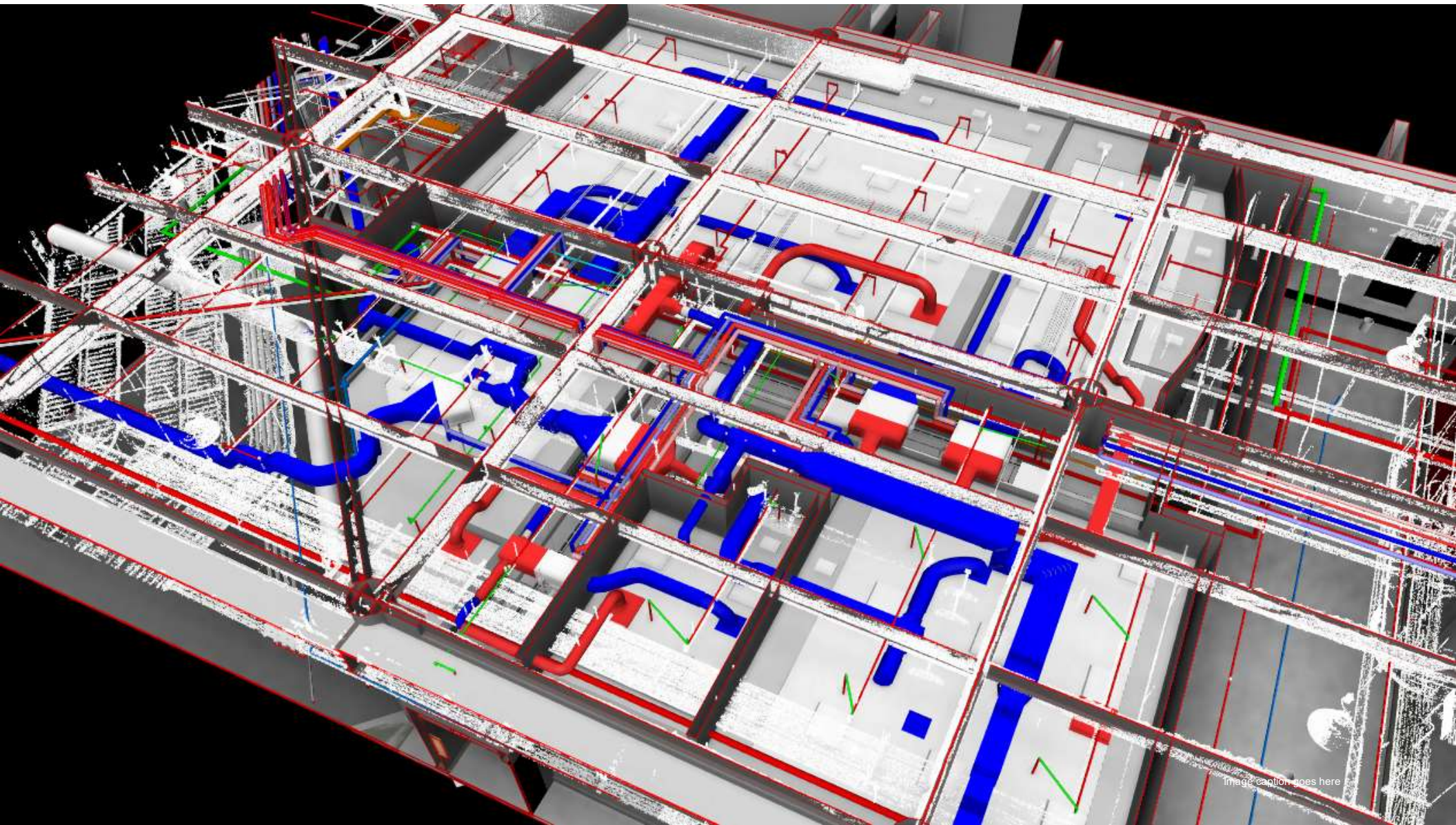



Image caption goes here

# MODEL COORDINATION



Project Home



Traight




Document  
Management




Project  
Management



Design  
Collaboration



Model  
Coordination





# Model Coordination

MODELS

CLASHES

Active

Closed

Last updated Yesterday at 18:32

All models



Search for models

	3D_CCA_DEN-A_Central.rvt	3D_CCA_DEN-E_Central.rvt	3D_CCA_DEN-MPF_Central.rvt	3D_CCA_DEN-M_Central.rvt	3D_CCA_DEN-S_Central.rvt	3D_CCA_DEN-TX_Central.rvt	3D_CCA_HNTB-A_WESTEXP_...2017.rvt	3D_CCA_SRI-MP_WESTEXP_...2017.rvt
3D_CCA_DEN-A_Central.rvt 532 clash groups		94	175	175	411	3		
3D_CCA_DEN-E_Central.rvt 268 clash groups	130		65	65	106	2		
3D_CCA_DEN-MPF_Central.rvt 1315 clash groups	392	82		598	454			
3D_CCA_DEN-M_Central.rvt 1315 clash groups	392	82	598		454			
3D_CCA_DEN-S_Central.rvt 417 clash groups	295	59	174	174				
3D_CCA_DEN-TX_Central.rvt 3 clash groups	1	2						

Viewing 2 models

Clashes



Group By

3D\_CCA\_DEN-MPF\_Central.rvt

598 OBJECTS WITH CLASHES



Pipe Types [932233]

31 clashes with 1 other model



Rectangular Duct [933564]

13 clashes with 1 other model

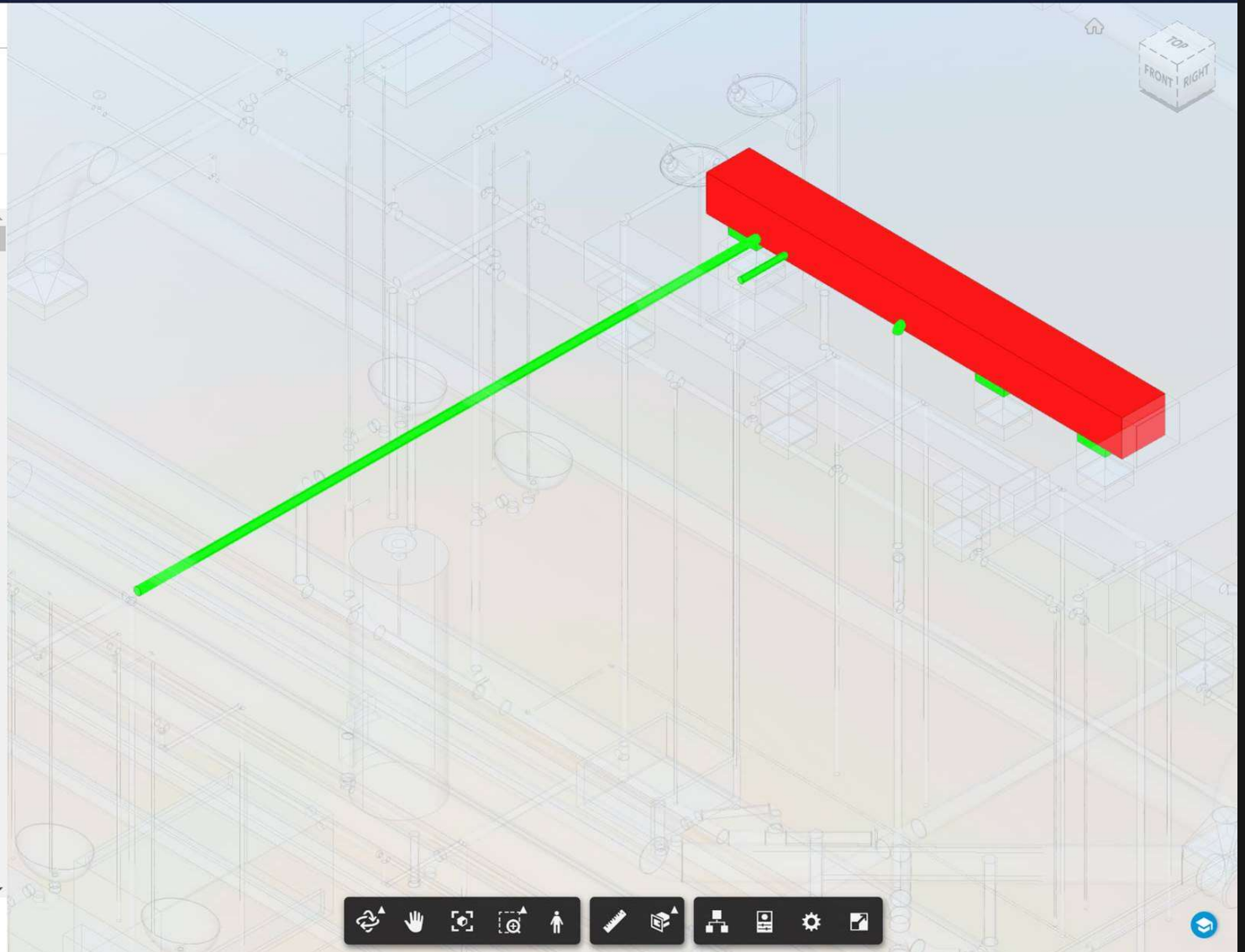
3D\_CCA\_DEN-M\_Central.rvt

- ☒ Elbow - Generic [936514]
- ☒ Rectangular Duct Takeoff [933565]
- ☒ Rectangular Duct Takeoff [933572]
- ☒ Rectangular Duct Takeoff [933568]
- ☒ Pipe Types [933399]
- ☒ Transition - Generic [934140]
- ☒ Pipe Types [933402]
- ☒ Pipe Types [933396]
- ☒ Tee - Generic [934138]
- ☒ Elbow - Generic [936516]
- ☒ Tee - Generic [933398]
- ☒ Pipe Types [933374]
- ☒ Pipe Types [933439]

Not an issue

Issue

13 clashes



Viewing 2 models

Clashes

< New Issue

Status

Open

Title \*

Rectangular Duct [933564] and 13 other objects.

Description

13 clashes between Rectangular Duct [933564] in 3D\_CCA\_DEN-MPF\_Central.rvt and 3D\_CCA\_DEN-M\_Central.rvt

Assign to \*

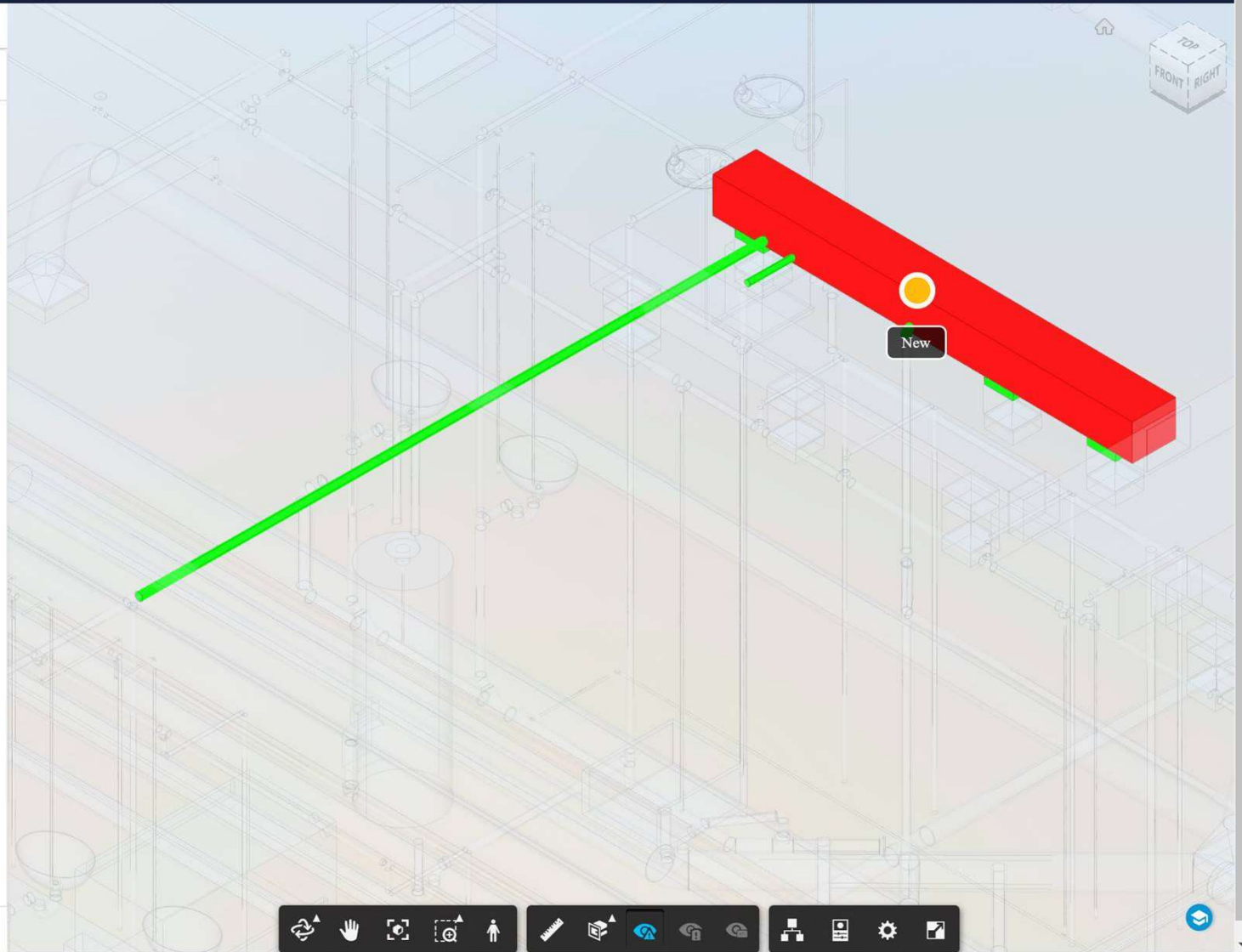
Brendan Dillon

Due Date

Choose Date

Cancel

Create



# Document Management

FOLDERS

REVIEWS

ISSUES

Search

Filter

Export

Create Issue

ID	Title	Location	Assigned to	Company	Issue type	Root cause	Due date	Document		
16	Rectangular Duct [933564] and 13 other objects.	-	Brendan Dill...	Denver Inter...	Design	-	-	3D_CCA_D...l.rvt	0	0
15	staging area needs to come 20' west	-	Brendan Dill...	Denver Inter...	Design	-	-	C0051 B...AYOUT	0	1
14	Missing door	-	Brendan Dill...	Denver Inter...	Design	-	Jul 7, 2018	A151 FIR... PLAN	1	1
13	Who can close this?	-	Brendan Dill...	Denver Inter...	Design	-	-	A101 FIR... PLAN	0	0
12	A new Test issue	-	-	-	Design	-	-	A101 FIR... PLAN	0	0
11	mobile issue	-	Brendan Dill...	Denver Inter...	Design	-	-	A151 FIR... PLAN	1	0
10	Testing CLOsed	-	Brendan Dill...	Denver Inter...	Design	-	-	A151 FIR... PLAN	0	0
9	Testing Answered	-	Brendan Dill...	Denver Inter...	Design	-	-	A151 FIR... PLAN	0	0
8	Testing Open	-	Brendan Dill...	Denver Inter...	Design	-	-	A151 FIR... PLAN	0	0
7	test issue of document issue generation	01	Brendan Dill...	Denver Inter...	Quality	Design Flaw	Apr 27, 2018	DLT Quote (...).pdf	1	0
6	issue test	-	Jorge Solano	Ferrovia	Design	-	Apr 30, 20...	TML_LVA-...-2017	0	0
5	t3BEIUJB	-	-	-	Design	-	-	CCA_DEN-...T.rvt	0	0
4	This column is made of elderberries	-	Brendan Dill...	Denver Inter...	Design	-	Apr 19, 2018	CCA_DEN-...T.rvt	0	1
3	Old Man Weathers' Ferris Wheel is Broken	-	Mark Hughes	Denver Inter...	Quality	Allergic Re...	Apr 12, 2018	CCA_DEN-...T.rvt	0	0
2	mystery issue	-	Brendan Dill...	Denver Inter...	Design	-	-	CCA_DEN-...T.rvt	0	2
1	How do I report on this?	-	Brendan Dill...	Denver Inter...	Quality	-	-	-	0	2

Showing 1 - 16 of 16

<< < 1 of 1 > >>



# FIELD (CLASSIC)

---

BIM 360 Field 

---

[Privacy](#) | [Terms and Conditions](#)

© 2018 Autodesk Inc. All rights reserved.



# **One Typical Project**

**5 Change Orders | 52 submittals | 515  
Contractor Daily QC Reports | 312 Field  
Reports | QA Materials Weekly Reports |  
Survey Inspections | QA SI Reports |  
Environmental Reports | Look Ahead  
Schedules | Meeting Minutes | NCRs |  
Permits | 128 Drawing Sheets | 108 RFIs |  
Safety Reports | 126 Specifications**



Saturday, Nov. 10

Save Draft

Publish

☒ WEATHER

☐ LABOR

☐ GENERAL NOTES

ACTIONS:

 Print Daily Update

 Delete

Weather Snapshot

Enter Location:

e.g. address, postal code and country

Load Weather

 80249, CO

Powered by Forecast.io

Conditions

Light snow (< 1 in.) overnight.

High



57°F

at 2:00 PM

Low



30°F

at 3:00 AM

Visibility



10 miles

Humidity



31 %

Wind



3 mph

Precipitation (rain)



0.01 inches

Add any relevant notes here



Saturday, Nov. 10

Save Draft

Publish

☒ WEATHER

☐ LABOR

☐ GENERAL NOTES

ACTIONS:

 Print Daily Update

 Delete

Labor & Manpower

Previous Labor Show ▾

What companies were on site?

<div>0</div> <div>Companies</div>	<div>0</div> <div>Total Workers</div>	<div>0</div> <div>Total Hours</div>
-----------------------------------	---------------------------------------	-------------------------------------

Company Name:

Company Name

Workers:

Workers

Total hours:

 Hours



Add from Library

🔍 Search

🔄 Reset

🔒 Close

➕ Add

✎ Edit

✖ Delete

🖨 Print

⚙ More Actions

enter comment text

Filter

All Checklists

Type

all

Template

ID

Name

Description

Company

all

Location

all

Include sub-locations?

☑

Date Created

From

To

Status

all

Advanced Search

Author

Authored by or Assigned to My Company

Date Updated

From

ID	Name	Cl	Status	Location Path	Checklist type	Template	Date Created	Date Updated	Source
<input type="checkbox"/> 000193	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	21 Jun 2018 1:46 PM	21 Jun 2018 5:11 PM	
<input type="checkbox"/> 000112	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	19 Mar 2018 2:40 PM	19 Mar 2018 2:46 PM	
<input type="checkbox"/> 000076	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	12 Feb 2018 4:19 PM	12 Feb 2018 4:45 PM	
<input type="checkbox"/> 000154	Safety Inspection Checklist	Int	Open		Safety	Safety Inspection Checklist	28 Apr 2018 7:27 AM	28 Apr 2018 10:16 AM	
<input type="checkbox"/> 000150	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	23 Apr 2018 5:42 PM	23 Apr 2018 9:53 PM	
<input type="checkbox"/> 000068	QA Safety Inspection Checklist 2/05/18	Int	Open		QA/QC	QA Safety Inspection Checklist	05 Feb 2018 9:43 AM	05 Feb 2018 4:31 PM	
<input type="checkbox"/> 000195	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	25 Jun 2018 3:19 PM	25 Jun 2018 3:23 PM	
<input type="checkbox"/> 000064	QA Safety Checklist	<r	Open		QA/QC	QA Safety Checklist	31 Jan 2018 4:06 PM	03 May 2018 12:59 PM	
<input type="checkbox"/> 000210	Safety Inspection Checklist	Int	Open		Safety	Safety Inspection Checklist	21 Jul 2018 3:18 PM	24 Jul 2018 9:01 AM	
<input type="checkbox"/> 000254	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	08 Oct 2018 3:25 PM	08 Oct 2018 3:40 PM	
<input type="checkbox"/> 000189	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	12 Jun 2018 4:06 PM	12 Jun 2018 7:07 PM	
<input type="checkbox"/> 000017	QA Safety Checklist 08-07-17	<r	Open		QA/QC	QA Safety Checklist	07 Aug 2017 9:45 AM	31 Aug 2017 5:09 PM	
<input type="checkbox"/> 000264	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	05 Nov 2018 11:37 AM	05 Nov 2018 12:08 PM	
<input type="checkbox"/> 000028	AIM DEVELOPMENT QA/QC PROJECT AUDIT FORM	<r	Open		QA/QC	AIM DEVELOPMENT QA/QC PROJECT AUDIT FORM	21 Nov 2017 1:38 PM	21 Nov 2017 1:42 PM	
<input type="checkbox"/> 000174	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	17 May 2018 2:02 PM	19 May 2018 6:11 AM	
<input type="checkbox"/> 000127	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	02 Apr 2018 10:25 AM	02 Apr 2018 10:26 AM	
<input type="checkbox"/> 000							26 Feb 2018 7:17 AM	26 Feb 2018 8:17 AM	
<input type="checkbox"/> 000							07 Apr 2018 10:33 AM	11 Apr 2018 8:45 AM	
<input type="checkbox"/> 000							18 Jan 2018 3:58 PM	18 Jan 2018 5:34 PM	
<input type="checkbox"/> 000							11 Jan 2018 4:15 PM	11 Jan 2018 4:45 PM	
<input type="checkbox"/> 000							28 Mar 2018 11:04 AM	28 Mar 2018 2:33 PM	
<input type="checkbox"/> 000							24 May 2018 3:48 PM	24 May 2018 6:15 PM	
<input type="checkbox"/> 000217	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	30 Jul 2018 11:07 PM	30 Jul 2018 11:10 PM	
<input type="checkbox"/> 000054	QA Safety Checklist	<r	Open		QA/QC	QA Safety Checklist	10 Jan 2018 5:18 AM	10 Jan 2018 5:20 AM	
<input type="checkbox"/> 000069	QA Safety Inspection Checklist	<r	Open		QA/QC	QA Safety Inspection Checklist	06 Feb 2018 11:03 AM	06 Feb 2018 5:54 PM	
<input type="checkbox"/> 000089	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	26 Feb 2018 7:25 AM	26 Feb 2018 8:16 AM	
<input type="checkbox"/> 000139	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	16 Apr 2018 6:31 PM	16 Apr 2018 6:33 PM	
<input type="checkbox"/> 000162	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	07 May 2018 8:38 AM	07 May 2018 8:39 AM	
<input type="checkbox"/> 000003	QA Safety Checklist05/30/2017	<r	Closed		QA/QC	QA Safety Checklist	30 May 2017 9:20 AM	30 May 2017 9:33 AM	
<input type="checkbox"/> 000096	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	05 Mar 2018 10:52 PM	05 Mar 2018 10:56 PM	
<input type="checkbox"/> 000077	Safety Inspection Checklist 2-12-18	Int	Open		Safety	Safety Inspection Checklist	12 Feb 2018 8:59 PM	12 Feb 2018 9:04 PM	
<input type="checkbox"/> 000232	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	21 Aug 2018 3:17 PM	22 Aug 2018 5:24 AM	
<input type="checkbox"/> 000045	QA Safety Checklist	<r	Open		QA/QC	QA Safety Checklist	19 Dec 2017 5:20 PM	19 Dec 2017 6:37 PM	
<input type="checkbox"/> 000173	Safety Inspection Checklist	Int	Open		Safety	Safety Inspection Checklist	17 May 2018 12:59 PM	17 May 2018 4:43 PM	
<input type="checkbox"/> 000179	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	25 May 2018 4:45 PM	25 May 2018 4:48 PM	
<input type="checkbox"/> 000225	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	13 Aug 2018 12:16 PM	13 Aug 2018 12:37 PM	
<input type="checkbox"/> 000158	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	01 May 2018 5:26 PM	01 May 2018 5:36 PM	
<input type="checkbox"/> 000084	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	22 Feb 2018 2:30 PM	22 Feb 2018 2:50 PM	
<input type="checkbox"/> 000136	Safety Inspection Checklist	<r	Open		Safety	Safety Inspection Checklist	11 Apr 2018 4:42 PM	11 Apr 2018 4:54 PM	
<input type="checkbox"/> 000007	QA Safety Checklist	<r	Open		QA/QC	QA Safety Checklist	30 Jun 2017 4:33 PM	05 Jul 2017 2:33 PM	
<input type="checkbox"/> 000078	QA Checklist	<r	Open		QA/QC	QA Checklist	12 Feb 2018 8:58 PM	12 Feb 2018 9:04 PM	

# Inspections

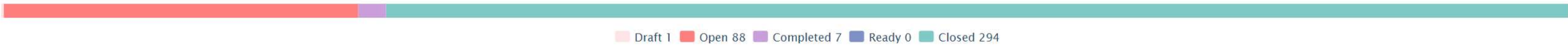




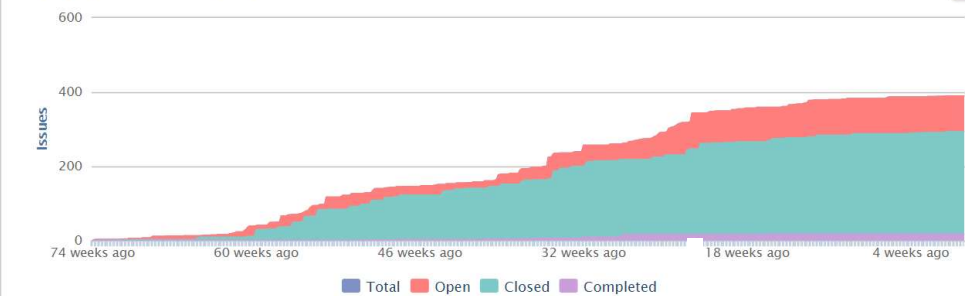
## Project Overview

# Issue Tracking

Issue summary



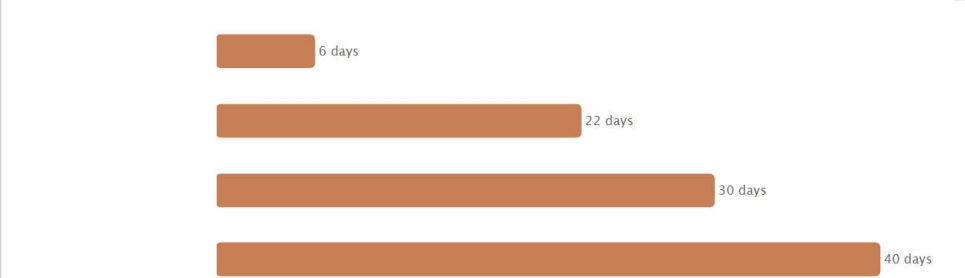
Issue Tracker - Open v. Closed



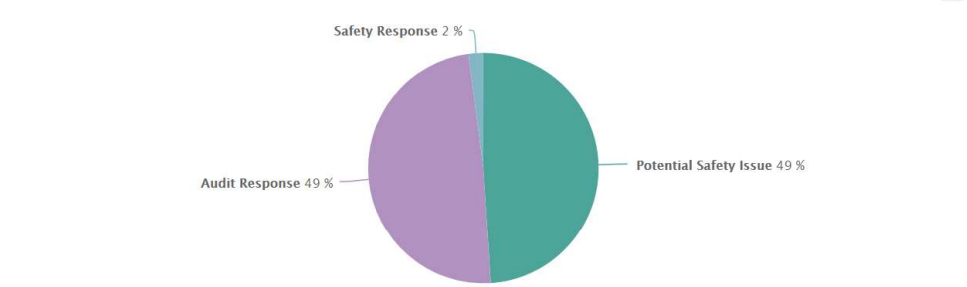
Companies with Most Unresolved Issues



Average Time to Close Issues



Root Cause



Filter

All Equipment

Name

Type

Description

Location

Include sub-locations?

Status

Custom Properties

LOCATION NOTES

Maintenance Notes

MANUFACTURER

MODEL NUMBER

PURCHASE PRICE

VENDOR

Advanced Search

# Checklists

# Issues

Name	Barcode	Type	Description	Location Path	Status	Install date	Warranty end date
<input type="checkbox"/> AHU-1	016818	AIR HANDLING UNIT		P13>1	Specified		
<input type="checkbox"/> FD-31		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> 1M1	016723	ELECTRICAL PANEL		P13>1>FS5-EC13	Specified		
<input type="checkbox"/> UH-2	016017	UNIT HEATER		P13>1>FS5-EQ46	Specified		
<input type="checkbox"/> FD-43		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-22		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-41		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-38		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> VAV-8-1-2	016772	VARIABLE AIR VOLUME		P13>1>FS5-DR06	Specified		
<input type="checkbox"/> FD-9		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-46		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-37		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> VAV-10-1-6	016775	VARIABLE AIR VOLUME		P13>1>FS5-OP34	Specified	Nov 11, 2016	
<input type="checkbox"/> FD-21		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FS5_02_1W_044		AUTOMATIC DOOR		P13>1>FS5-AB44	Specified		
<input type="checkbox"/> VAV-6-2-2	016735	VARIABLE AIR VOLUME		P13>2>FS5-OF16	Specified		
<input type="checkbox"/> UH-					pecified		
<input type="checkbox"/> VAV					pecified		
<input type="checkbox"/> FS5					istalled		
<input type="checkbox"/> UH-					pecified		
<input type="checkbox"/> FD-					pecified		
<input type="checkbox"/> FD-					pecified		
<input type="checkbox"/> IRH-05	016780	INFRARED HEATER VACUUM PUMP		P13>1>FS5-AB42	Specified		
<input type="checkbox"/> TF-2	016016	FAN	TRANSFER FAN	P13>1>FS5-EQ46	Specified		
<input type="checkbox"/> VAV-8-1-8	016767	VARIABLE AIR VOLUME		P13>1>FS5-AB43	Specified		
<input type="checkbox"/> FD-29		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> 2P2	016727	ELECTRICAL PANEL		P13>2>FS5-OP13	Specified		
<input type="checkbox"/> EF-3	016729	FAN	EXHAUST FAN 3	P13>2>FS5-EQ11	Specified		
<input type="checkbox"/> TR-01 (DOES NOT		TRANSFORMER	REMOVE ASSET	P13>1>FS5-EQ48	Specified		
<input type="checkbox"/> FD-6		FIRE DAMPER	Rectangular Damper		Specified		
<input type="checkbox"/> AF-01 (REMOVE D		FAN	REMOVE	P13>2>FS5-OF16	Specified		
<input type="checkbox"/> BACKFLOW PREV		Other		P13>1>FS5-MC14	Specified		
<input type="checkbox"/> FD-30		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> 1PE-70	016726	ELECTRICAL PANEL		P13>1>FS5-EQ48	Specified		
<input type="checkbox"/> UH-5	016732	UNIT HEATER		P13>2>FS5-ST12	Specified		
<input type="checkbox"/> FD-35		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-4		FIRE DAMPER	Rectangular Damper		Specified		
<input type="checkbox"/> KH-1	016738	SMOKE CONTROL FAN	KITCHEN HOOD SYSTEM	P13>1>FS5-KN39	Specified		
<input type="checkbox"/> WATER BOTTLE FI	016730	Other	WATER BOTTLE FILLING STATION	P13>2>FS5-EQ11	Specified		
<input type="checkbox"/> FD-27		FIRE DAMPER	Round Damper		Specified		
<input type="checkbox"/> FD-12		FIRE DAMPER	Round Damper		Specified		

# Asset Data Capture

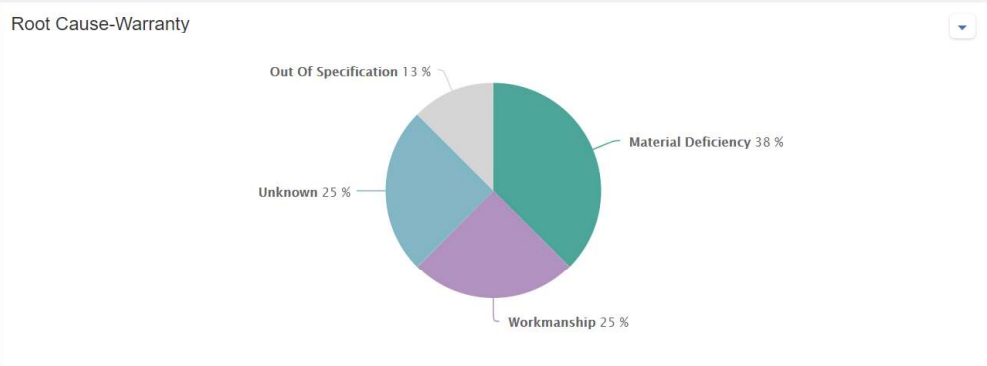
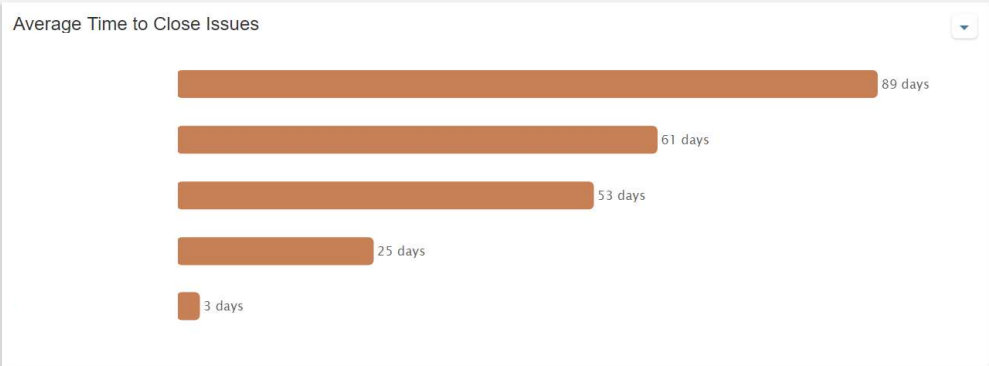
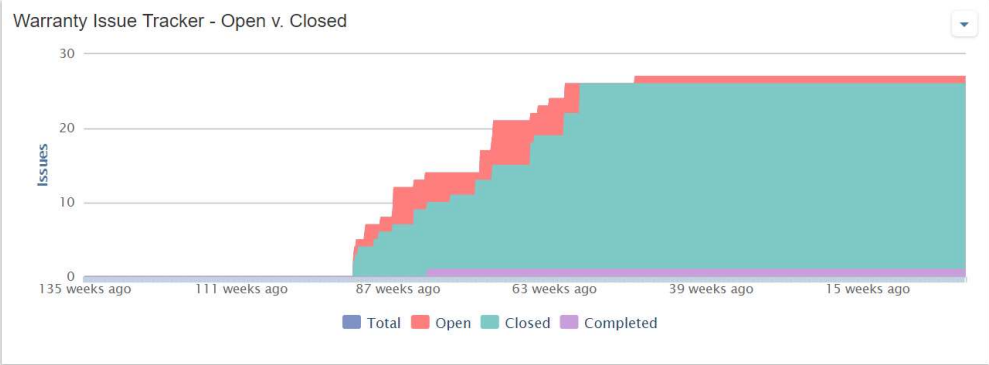


Project Overview

# Warranty Management

Issue summary

Draft 0 Open 1 Completed 0 Ready 0 Closed 146



# Where's the Value?

Use Case 1

**\$750k**  
SAVED

Printing and document  
distribution costs on a  
single major capital  
project

Use Case 2

**30**  
MINUTES

Time saved per day per  
inspector per Daily  
Report

**120**  
INSPECTORS

Lorem ipsum dolor sit  
amet, consectetur  
adipiscing elit.

**5**  
WEEKS

Payback period for all  
seats just based on  
inspector time saved



# AUTODESK<sup>®</sup>

## Make anything<sup>™</sup>

Autodesk and the Autodesk logo are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product and services offerings, and specifications and pricing at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© 2018 Autodesk. All rights reserved.

