



# Autodesk Construction Cloud API アップデート

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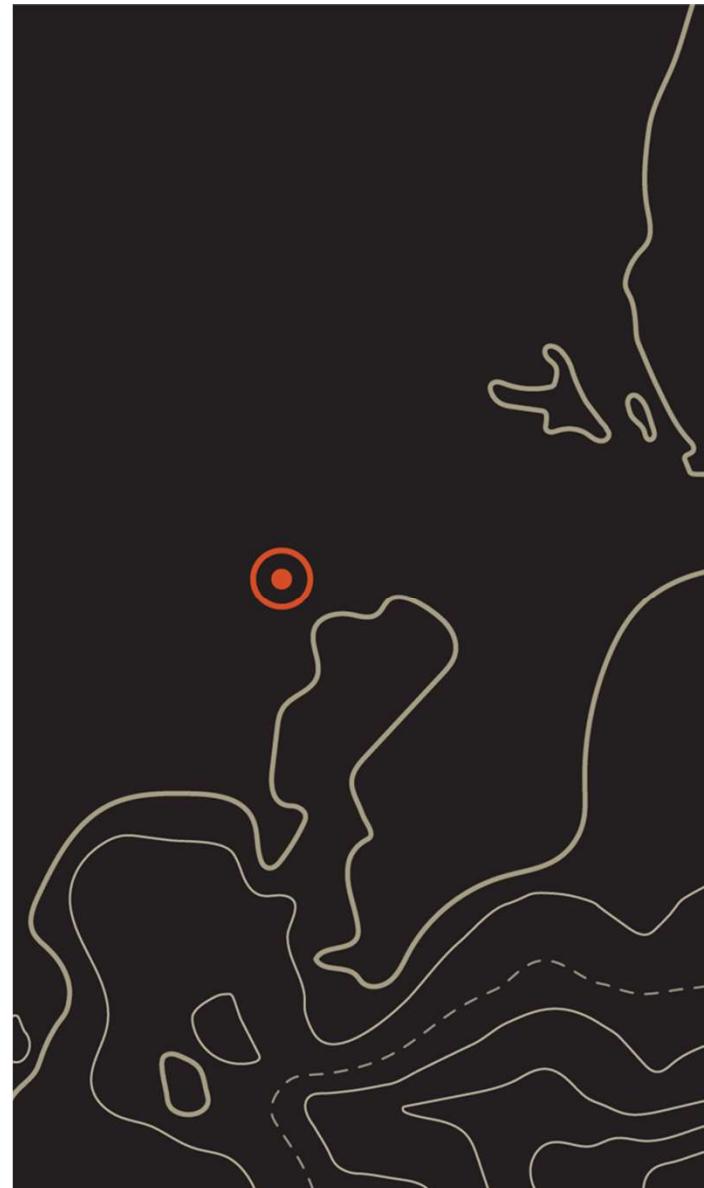
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注意：すべてのオートデスクのコンテンツは所有権で保護されています。許可なくコピー、投稿、配布しないでください。

# Agenda

- 1 Autodesk Construction Cloud 概要
- 2 API ステータスとアップデート
- 3 モジュールごとのアップデート
- 4 Q & A





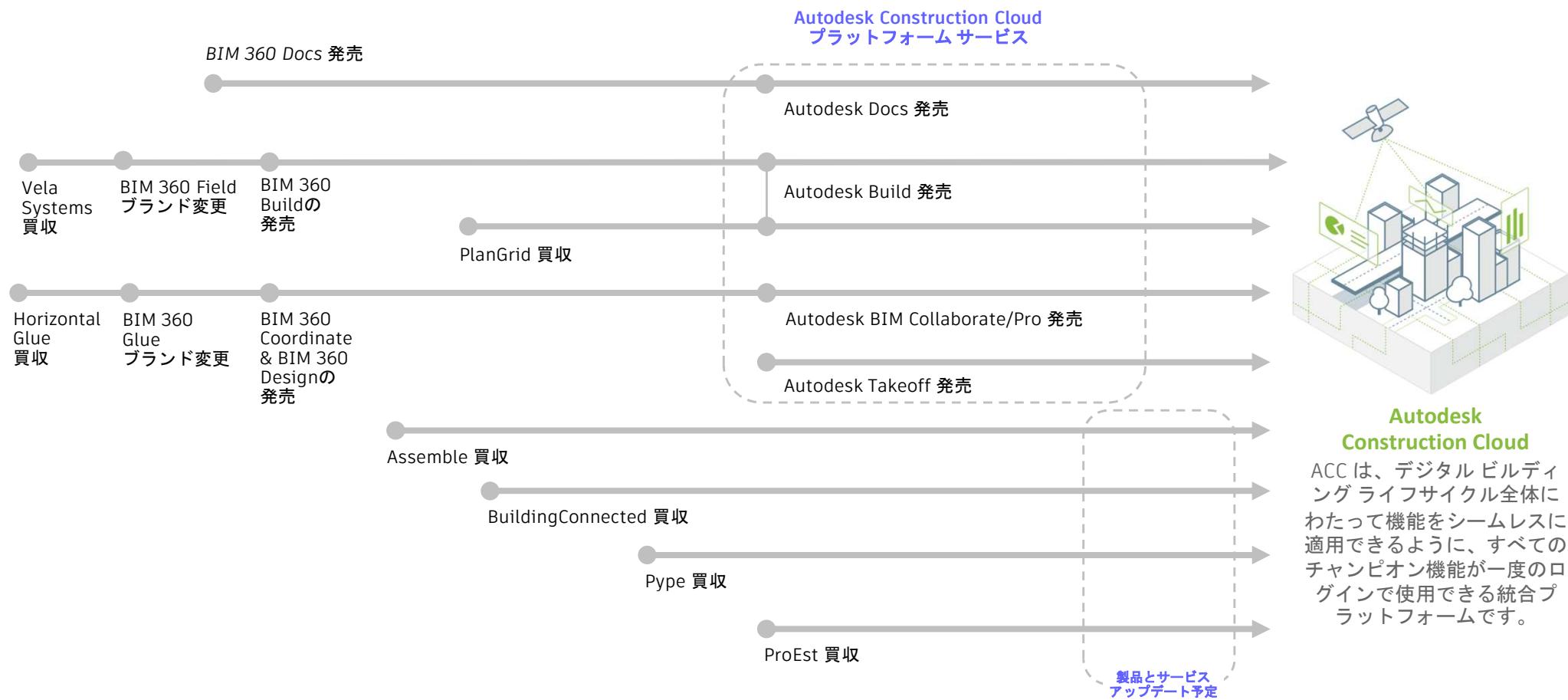
# Autodesk Construction Cloud

## 概要



# Construction Management (施工管理) @Autodesk

## 製品とサービスの進化



# Autodesk Construction Cloud 製品

## 最新の製品提供

**AUTODESK Construction Cloud**

1 866-475-3802 | ログイン | 今すぐ買う >

製品 | ソリューション | リソース

### Autodesk Construction Cloud 製品

作業は困難でも、ソフトウェアは簡単に使えるものでなければなりません。Autodesk Construction Cloud 製品のシンプルで使いやすいインターフェースで、施工効率アップを支援します。

**B Build**

建設業者向けの幅広く、奥深い、業務に適したツールのセットを提供する包括的な現場管理およびプロジェクト管理ソフトウェアです。

詳細を見る | 体験版を利用する >

**C BIM Collaborate**

意思決定者と建設チームを結び付け、設計のレビューを管理して専門業者とのモデル調整を自動化できます。オンラインから現場まで設計の品質と施工性を改善します。

詳細を見る | 体験版を利用する >

**T Takeoff**

単一のオンラインソリューションで、より正確な2D数値をを行い、3Dモデルから自動で数値を生成できます。

詳細を見る | 体験版を利用する >

**D Docs**

すべてのプロジェクトチームのプロジェクトライフサイクル全体にわたって伝播できる一元的な情報リースとして機能する一元管理されたドキュメント管理ソリューションです。

詳細を見る | 体験版を利用する >

**AUTODESK Construction Cloud**

1 866-475-3802 | ログイン | 今すぐ買う >

製品 | ソリューション | リソース

### 追加製品

<b>AUTODESK CONSTRUCTION CLOUD MOBILE</b> Autodesk Build に組み込まれたモバイルベースの現場とのコラボレーション アプリです。	<b>C BIM Collaborate Pro</b> 設計の共同作成、設計レビューの実行、専門業者とのモデル調整の自動化が可能です。場所や時間問わず設計ツールで連携し、オフィスから現場まで設計の品質と施工性を改善できます。	<b>ASSEMBLE</b> BIM データを照会したり、BIM データを設計レビュー、数量扫一覧表示、変更管理、リワーエンジニアリングなどの作業に連携させることで、リスクを低減し、業務を効率化することができます。	<b>AUTODESK Construction Cloud Connect</b> 強力なカスタムの統合を容易に作成できます。Autodesk Construction Cloud と 200 を超える業務上不可欠なシステムとの間で重要なプロジェクトデータを自動的に移動する固有のワークフローを行ないます。
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詳細を見る | お問い合わせ > | 詳細を見る | 体験版を利用する > | 詳細を見る | デモを見る > | 詳細を見る | デモを見る >

<https://construction.autodesk.co.jp/products/>

# Autodesk Construction Cloud 製品

最新の製品提供 (US)

The work may be challenging, software shouldn't be. Autodesk Construction Cloud products help you build better in a simple, user-friendly interface.

**B Build**  
Comprehensive field and project management software that delivers a broad, deep and connected set of tools for builders.  
[LEARN MORE](#) [TRY NOW >](#)

**T Takeoff**  
Perform accurate 2D takeoffs and generate automated quantities from 3D models in a single online solution.  
[LEARN MORE](#) [TRY NOW >](#)

**C BIM Collaborate**  
Connect decision-makers and construction teams to manage design reviews and automate model coordination with trades. Improve design quality and constructability from the office to the field.  
[LEARN MORE](#) [TRY NOW >](#)

**D Docs**  
Centralized document management solution that acts as a single source of truth across the project lifecycle for all project teams.  
[LEARN MORE](#) [TRY NOW >](#)

**BUILDING CONNECTED**  
The largest real-time, construction network with an easy-to-use platform that streamlines the bid and risk management process.  
[LEARN MORE](#) [Get a Demo >](#)

**PYPE**  
Create and review submittal logs, collect closeout documentation and create dynamic document turnover packages while reducing risk and increasing accuracy.  
[LEARN MORE](#) [Get a Demo >](#)

**PROEST**  
Powerful cloud-based estimating solution that ensures estimates are accurate, bids are competitive, and projects are profitable.  
[LEARN MORE](#) [Get a Demo >](#)

**CONNECT**  
Create powerful custom integrations easily. Build unique workflows that  
[LEARN MORE](#) [TRY NOW >](#)

**AUTODESK CONSTRUCTION CLOUD MOBILE**  
Mobile-first, field collaboration app, now part of Autodesk Build.  
[LEARN MORE](#) [Contact Us >](#)

**C BIM Collaborate Pro**  
Co-author designs, perform design reviews, and automate model coordination with trades. Collaborate in design tools anytime, from anywhere and improve design quality and constructability from the office to the field.  
[LEARN MORE](#) [TRY NOW >](#)

**ASSEMBLE**  
Query and connect BIM data to design reviews, takeoffs, estimating, change management, and value engineering to reduce risk and improve efficiency.  
[LEARN MORE](#) [Get a Demo >](#)

**AUTODESK Construction Cloud Connect**  
Create powerful custom integrations easily. Build unique workflows that  
[LEARN MORE](#) [TRY NOW >](#)

<https://construction.autodesk.com/products/>

# **AUTODESK** Construction Cloud

Unified Products/統一製品

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 **AUTODESK**  
BIM Collaborate

 **AUTODESK**  
BIM Collaborate  
Pro

 **AUTODESK**  
Takeoff

 **AUTODESK**  
Build

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 **AUTODESK** Docs

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**INSIGHTS**

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**ADMINISTRATION**

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# 製品へのアクセス

acc.autodesk.com & acc.autodesk.eu

The screenshot shows the Autodesk Construction Cloud dashboard. At the top, there is a navigation bar with icons for back, forward, home, search, and user profile. The URL https://acc.autodesk.com/projects is displayed. Below the navigation bar, the title "AUTODESK Construction Cloud" is shown, along with links for "Account Admin" and "Executive Insight". A red dashed box highlights the top navigation area. The main content area displays a welcome message "ようこそ、Mikako さん" and a question "今日は何をしますか？". Below this, there are tabs for "My Home", "Projects" (which is selected), and "Project Templates". A blue button "+ プロジェクトを作成" (Create Project) is visible. To the right, there is a search bar "名前でプロジェクトを検索..." and a filter icon. A red dashed box highlights the project list table. The table has columns: "タイプ", "名前", "番号", "クイックアクセス", "アカウント", and "作成日時". The data in the table is as follows:

タイプ	名前	番号	クイックアクセス	アカウント	作成日時
	MH Test		Docs ▾	Developer Advocacy Support	2023年6月13日
	BIM 360 APS Training			Riley Peterson	2023年4月11日
	MH Test ACC Proj		Project Admin ▾	Developer Advocacy Support	2023年2月22日

**AUTODESK Construction Cloud**

+1 866-475-3802 | LOG IN | GET DEMO

Products Solutions Resources Customer Stories Pricing

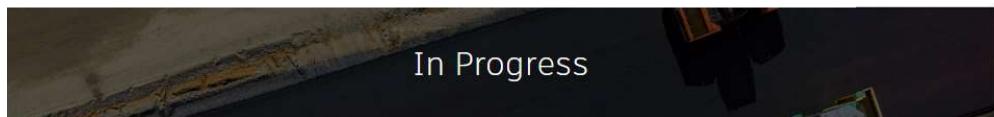
PRODUCT ROADMAP | IN PROGRESS | RECENT RELEASES

The information provided in this material, including all product roadmaps and schedules, are not promises and is subject to change. We're as excited as you to see new functionalities and improvements in our products, but their development, releases, and timing remain at our sole discretion. The information provided here should not be relied upon for purchasing, investment, or other decisions.

## Autodesk Construction Cloud Product Roadmap

We are focused on delivering on our promise of a unified platform to help connect teams and project data from design to done—reducing risk, protecting profits, and increasing predictability.

New functionality is released across our Autodesk Construction Cloud products regularly. If you're a product user, you will receive in-product updates about recent releases or subscribe to our newsletter to have product updates dropped in your inbox.



Below is a select list of features we are actively developing. This is our global roadmap, please note that not all features will be available in all regions.

Administration and Project Standardization	+
Document Management	+
Construction Management	+
BIM/VDC	+
Preconstruction	+
Data and Intelligence	+



# ACC製品ロードマップ

[https://construction.autodesk.com/  
products/product-roadmap/](https://construction.autodesk.com/products/product-roadmap/)

### Construction Management

Our roadmap for Construction Management currently focuses on building tools that allow users to leverage models in construction, increase customization and control in cost and project management workflows including RFIs, Submittals and Correspondence and improve onsite scheduling.

#### Related Products:

**AUTODESK Build**

### Coming Soon

#### Assets Statistics

Autodesk Build mobile users will get more insight into Assets with the ability to view the status of open assets and the number of open forms and issues associated with an asset.

#### Export/Import Templates into Assets

Autodesk Build users will be able to export existing Asset project settings from BIM 360 Assets and import into Project Templates in Autodesk Construction Cloud.

#### Change Order Required Field

Autodesk Build Cost Management users will be able to better understand the impact of change orders upfront by having specific information like schedule change and custom attributes required at submission. Project admins will define the required fields within Cost Management's settings.

#### Assign Roles and Companies to Submittals

Autodesk Build users will be able to assign specific Roles to

**AUTODESK Construction Cloud**

+1 866-475-3802 | LOG IN | GET DEMO

Products Solutions Resources Customer Stories Pricing

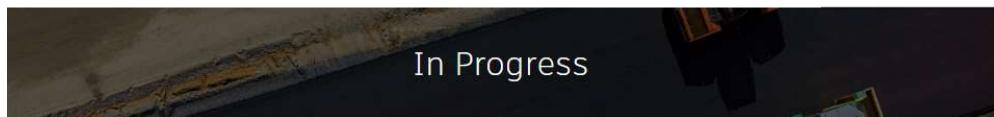
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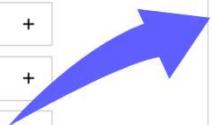
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BIM/VDC	+
Preconstruction	+
Data and Intelligence	+



# ACC製品ロードマップ

[https://construction.autodesk.com/  
products/product-roadmap/](https://construction.autodesk.com/products/product-roadmap/)

## Preconstruction

Our roadmap for Preconstruction currently focuses on delivering a connected and powerful preconstruction experience for bidding, risk management, quantity takeoff, and estimating to empower contractors to quickly, predictably, and confidently win more of the right work.

### Related Products:

**AUTODESK Takeoff**

**BuildingConnected Pro**

**Bid Board Pro**

**TradeTapp**

**ProEst**

## Coming Soon

### Default Locations

Autodesk Takeoff users will be able to set the default location for specific sheets, so each new takeoff performed on that sheet will be automatically assigned to the default location.

### Updated Model Browser

Autodesk Takeoff users will have an updated model browser experience that will be consistent with the experience in Autodesk Docs. Users will have access to the same filtering capabilities currently available in the model browser in Autodesk Docs.

### Flags and Alerts in Vendor Applications

TradeTapp users will be able to proactively annotate ongoing risk issues with vendors during the project by adding flags on a vendor's applications. To bring attention to an open flag, users can set an alert to appear when the vendor record is open next.



# ACC & BIM 360

## APIステータスとアップデート



# APIプロダクトの選択

- BuildingConnected と Parameters が追加
- 新しいproject admin 読み取りAPI は下位互換性あり

Product(s) to Support	Proxy to Use
BIM 360	BIM 360 API
BIM 360/ACC 互換性のあるAPIのみを使用	BIM 360 API
BIM 360/ACC. すべてのAPIを使用	BIM 360 API & ACC API
ACC ACC 固有のAPIのみを使用 あるいは、下位互換性のあるACC API <sup>*1</sup>	ACC API

**API Access**

These are the APIs your app is allowed to access. It can be changed anytime.

2 APIs selected

- Autodesk Construction Cloud API
- BIM 360 API
- BuildingConnected API
- Data Exchange API
- Data Management API
- Design Automation API
- Fusion Data API
- Model Derivative API
- Parameters API
- Premium Reporting API
- Reality Capture API
- Token Flex Usage Data API
- Webhooks API

<https://aps.autodesk.com/myapps/>

\*1) 新しい Admin API

# ACC/BIM 360 API コンポーネントサービスと構造

## BIM Collaborate/Pro

- Model Coordination



## Takeoff

- Takeoff<sup>\*1</sup>



## Build

- Assets
- Cost
- RFI
- Checklists<sup>\*2</sup>
- Forms<sup>\*1</sup>
- Photos<sup>\*1</sup>
- Sheets<sup>\*1</sup>
- AutoSpecs<sup>\*1</sup>



## Docs

- Custom attributes
- Permissions
- pdf export<sup>\*3</sup>

- Naming standard

## Shared Services 共有サービス

- Data Connector
- Model Properties
- Relationships

- Admin<sup>\*3</sup>
- Issues<sup>\*3</sup>
- Locations<sup>\*3</sup>

## Autodesk Platform API

\*1) ACC のみ, \*2) BIM 360 のみ, \*3) 変更

# ACC API ロードマップ

~2023 Q1

2023 Q2/Q3

2023 Q4/2024 Q1

2024~



## 最近追加された

- AutoSpecs (read)
- BuildingConnected read
- Forms write (web forms)
- Cost webhooks
- Data Connector - アクティビティ
- Cost – schedule of values, expense & payments



## 現在

- Admin projects/users readパブリックベータ; writeプライベートベータ
- Parameters
- Cost - contract, performance tracking, timesheet- **released**
- BuildingConnected write プレビュー invited
- Submittals/提出物 read (beta)



## 近い将来

- Admin projects/users write パブリックベータ/GA
- Review プライベートベータ
- Aggregate/集計
- BuildingConnected write
- TradeTap
- Attributes/属性 プロジェクト レベル
- Markup/Issues (指摘事項) pushpin



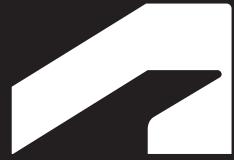
## 将来

- Secure Service Account
- BuildingConnected webhooks
- Alignment
- Design Collaboration packagesパッケージ /settings (設定)



# モジュール別





# Admin/管理





ACCに移行したい  
と考えています。  
しかし、APIが  
なければそれは  
できません

# Admin API

ACC Admin API は  
いつ提供されますか?

# アカウント・プロジェクト管理



The screenshot shows the Autodesk Construction Cloud Account Admin interface. The top navigation bar includes 'Account Admin' and 'Autodesk Forge Partner Development'. Below the navigation is a menu bar with 'プロジェクト', 'メンバー', '会社', '役割', '解析', '設定', and 'アプリ'. The main content area is titled 'プロジェクト フォルダ' and displays a list of projects. A search bar at the top right allows for project name searching. The project list includes:

名前	メンバー	会社	プロジェクトステータス	前回サインイン
00 Design Files	0	1	アクティブ	
Accelerator Shanghai	3	3	アクティブ	2023年5月25日
ACC Sample				
AC J Liska				
AC J Liska Tr				
AC Mori				
ADN AEC WG				

On the left side, there is a sidebar with various management options: 'プロジェクト' (selected), 'メンバー', '会社', '役割', 'プロジェクトテンプレ...', 'ライブラリ', 'アプリ', '設定', and 'BIM 360 管理者'. The main content area also features tabs for 'アクティブ' and 'アーカイブ済み'.

## • New!

- GET projects/id
- GET project users/id
- 互換性あり: ACC と BIM 360
- 2LO/3LO, 2LO+impersonation

## • 次のステップ

- Projects/Users write
- プライベートベータ → パブリック

## • 部分的に互換性あり

- 例: ACCプロジェクトの作成不可
- 優先度の高いエリア

# Admin project/users 作成/追加

- プライベートデータ
  - テンプレートからプロジェクトを作成
  - プロダクトをユーザーに割り当て
  - BIM 360と互換性なし
- スケーラビリティの調整
- 次のフェーズには含まれない
  - ジョブ(job)のステータス
  - Webhook

The screenshot displays two overlapping windows from the Autodesk Construction Cloud interface.

The top window is titled "プロジェクトを作成" (Create Project). It shows a list of existing projects on the left and a form on the right for creating a new project named "My Project". Fields include "プロジェクト番号" (Project Number), "アカウント" (Account) set to "Developer Advocacy Support", "プロジェクトタイプ" (Project Type) set to "プロジェクトタイプを選択" (Select Project Type), and "テンプレート" (Template) set to "プロジェクトテンプレートを選択" (Select Project Template).

The bottom window is titled "プロジェクトメンバーを追加" (Add Project Member). It shows a list of members under "Account Admin から割り当て" (Assigned from Account Admin) and a "割り当て" (Assignment) dropdown set to "Account Admin から割り当て". It includes two radio button options:

- プロジェクトメンバー (Project Member): Described as having "表示アクセス権" (Display Access Rights) but "特定の権限はロールによって異なります" (Specific rights vary by role).
- プロジェクト管理者 (Project Manager): Described as having "管理権限を持ち、新しいプロジェクトを作成できます" (Has management rights and can create new projects).

A section titled "これらの製品に招待" (Invite to these products) lists several products with checkboxes:

- Docs (含まれる)
- Build
- Cost Management
- Insight (含まれる)
- Design Collaboration
- Model Coordination
- Takeoff

A "未購入の製品" (Unbought Products) section shows one item:

- AutoSpecs

# GET projects/project users

✓ Account Admin

✓ Projects

GET  
accounts/account\_id/projects (beta)

GET projects/:project\_id  
(beta)

PATCH  
projects/:project\_id/image

› Companies

› Account Users

› Project Users

› Business Units

› Cost Management

› Data Connector

› Files (Document Management)

› Model Coordination

› Model Properties

› Relationships

**filter[products]**

array: string

A comma-separated list of the products that the returned projects must use. Only projects that use one or more of the listed products are returned.

Note that when a project is created, every product that can be used in that project on the same platform (ACC or BIM 360) is activated for the project, regardless of whether the user is assigned to the product. All products associated with the project are returned in the response.

Some products are exclusive to ACC or to BIM 360, others are available on both platforms.

Possible ACC values: `build` , `docs` , `takeoff` , `cost` , `autospecs` , `financials` , `buildingConnected` , `capitalPlanning` , `accountAdministration` , `insight` , `projectAdministration` , `modelCoordination` , `designCollaboration` , and `cloudWorksharing` .

Possible BIM 360 values: `fieldManagement` , `costManagement` , `glue` , `documentManagement` , `projectHome` , `assets` , `quantification` , `plan` , `field` , `projectManagement` , `accountAdministration` , `insight` , `projectAdministration` , `modelCoordination` , `designCollaboration` , and `cloudWorksharing` .

**filter[name]**

A project name or name pattern to filter projects by. Can be a partial match based on the

<https://aps.autodesk.com/en/docs/acc/v1/reference/http/admin-accounts-accountidprojects-GET/>

# ACC 統一製品サービスへのアクセス

The screenshot shows the Autodesk Construction Cloud (ACC) Project Admin interface. A yellow circle highlights the 'Project Admin' button in the top navigation bar. Another yellow circle highlights the 'Mikako Harada' user profile on the right, which includes fields for company, role, and access level. A large yellow rectangle encloses the 'Product Access' section on the right, which lists various services with toggle switches.

**会員**

会社 ブリッジ 通知 設定

メンバー

+ メンバー追加 書き出し 検索

名前	電子メール	電話番号	ステータス	⋮
BN Bohdan N...	bohdan.nakone...	-	アクティブ	⋮
Mikako G...	mikakoharada3...	-	アクティブ	⋮
Mikako H...	mikako.harada...	603 206 9169	アクティブ	⋮
Xiao Dong...	xiaodong.liang...	18511530684	アクティブ	⋮

**割り当てられた製品と権限**

- > Docs (On)
- > Design Collaboration (On)
- > Model Coordination (On)
- > Takeoff (On)
- > Build (On)
- > Cost Management (On)
- > Insight (On)
- 未購入の製品 AutoSpecs (Off)

# ACC 統合製品ライセンス(スコープ外)

- ライセンスを割り当てる2つの方法
  - manage.autodesk.comよりコントラクトマネージャーによる
  - ACC よりアカウント管理者による
- 今回予定されているリリースではこの部分の API はありません

The screenshot shows the Autodesk Manage Cloud interface. At the top, there's a navigation bar with 'Account Admin' (circled in yellow), 'Developer Advocacy Support', and user profile icons. Below the navigation bar is a sidebar with links: 'プロジェクト', 'メンバー', '会社', '役割', 'プロジェクトテンプレ...', 'ライブラリ', and 'アプリ'. The main content area is titled 'アカウント メンバー' and shows a list of users: 'M1 mikako ha...' and 'Mikako G'. To the right of the user list are sections for '会社' (with 'Developer Advocacy and Support' selected), '役割' (with '役割を選択(オプション)' dropdown), 'アクセス レベル' (with 'アカウント管理者, プロジェクト管理者, プロジェクトメンバー, 役員' dropdown), and 'メンバー サブスクリプション' (with 'Autodesk BIM Collaborate', 'Autodesk BIM Collaborate Pro' selected, 'Autodesk Takeoff' status, and 'Autodesk Build' with 'シート数 3627' dropdown). At the bottom left, there's a navigation menu with 'ホーム', '製品とサービス' (selected), 'ユーザ管理' (selected), 'ユーザ別', '製品別' (circled in yellow), and 'グループ別'. The central part of the screen is titled '製品別ユーザ管理' and shows a table with two rows: 'BIM Collaborate' (499 / 500) and 'BIM Collaborate Pro' (468 / 500). A search bar '製品を検索' is also present.

# ACC 統合製品ライセンス(スコープ外)

- 回避策: CSV からのインポートを使用  
(この方法では完全に自動化されません...)

The screenshot shows the Autodesk User Access Management interface. On the left, there's a sidebar with categories like 'ホーム', '製品とサービス', 'ユーザ管理' (which is currently selected), and '請求と注文'. In the main area, under 'BIM Collaborate Pro', there's a button labeled 'ユーザを割り当てる' (Assign to User) which is circled in yellow. Below it, a section titled '割り当てられたユーザ(32)' lists a user named Adam Nagy.

A modal dialog box titled 'ユーザを割り当てる' (Assign to User) is open. It has tabs for '割り当てる' (Assign) and '取り込んで割り当てる' (Import and Assign), with the latter being highlighted and circled in yellow. Below that, it says '468 人が割り当て可能' (468 users available). A large blue button labeled 'CSV ファイルをアップロード' (Upload CSV file) is also circled in yellow. The right side of the dialog contains instructions for importing user data from a CSV file, including a sample table:

	A	B	C
1	名	姓	電子メール
2	Harumi	Tsukishima	tsukishima.harumi@email.com



# Issues/ 指摘事項



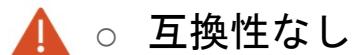
# Issues/指摘事項



- 共有サービス:

- Docs, Build, Design Collaboration, Model Coordination, Revit, Navisworks

- API



- 互換性なし

- BIM 360 Issues (v1) 非推奨.  
v2 への移行完了 (8月)



- ACC Issues ギャップ: マークアップ  
あるいはプッシュピン

The screenshot displays the Autodesk Construction Cloud Field Management interface. At the top, there are tabs for CHECKLISTS, ISSUES (which is selected), DAILY LOGS, and PHOTOS. Below the tabs, there's a search bar and a table listing various issues. The table columns include ID, Type, Sub-type, and Title. The first few rows show entries like '1509 Design Building Code wrong door' and '1508 Installation Def... Installation Def... Roy - test - Bl...'. To the right of the table, a detailed view of issue #1505 is shown. The details panel includes sections for 'Issue #1505', 'Door hardware installation defect', 'Created by Nelli Gyongyosi (United Construction) on Jul 15, 2021', and 'Assigned to Unspecified'. A large orange sidebar on the right provides a summary of the issue, including its type (Installation Defect), owner (Nelli Gyongyosi), due date (Unspecified), location (Level 2 > Office 237), and root cause (Inadequate Training). Below the main table, another section shows a list of issues under the 'Build' tab, specifically for the 'Seaport Civic Center' project. This section includes a 'Create Issue' button and a table with columns for Title, ID, Status, Type, Assigned to, and more. One specific issue is highlighted: 'Loader backing up in the array without a spotter.' with status 'Open'.



# Data Connector



# Insight/Data Connector



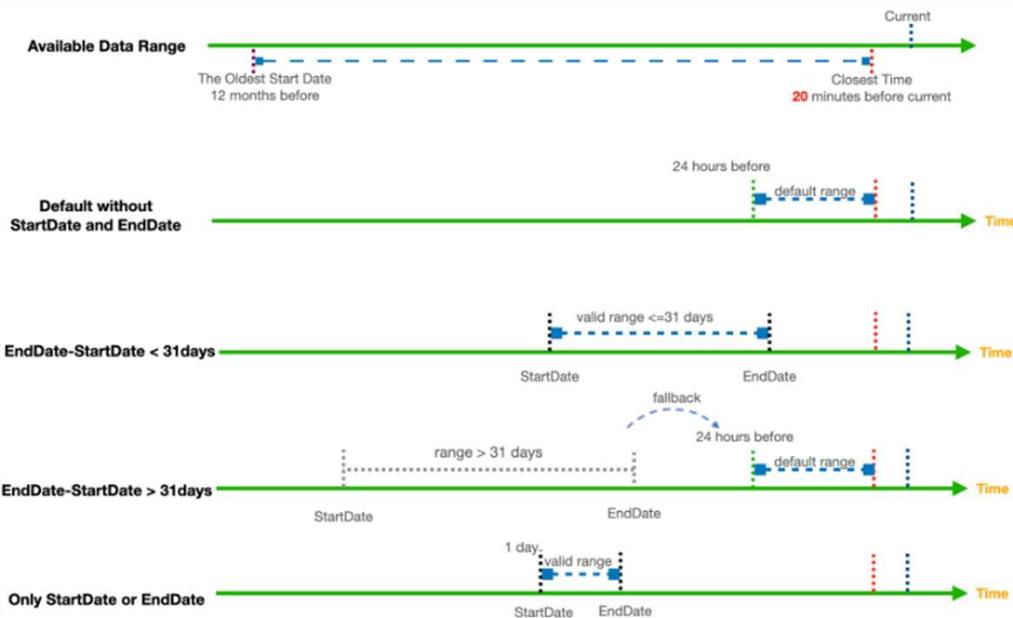
- API 自体は互換性あり
- データ自体は異なる場合あり
- スキーマが変更になる場合あり
- プロジェクト レベル (2022年7月)
- **アクティビティ(activities) ログ (2023年5月)**
- Tip#1: Executive Overview 権限
- Tip#2: しばしば回避策として利用

schemas
admin_account_services.csv
admin_accounts.csv
admin_business_units.csv
admin_companies.csv
admin_project_companies.csv
admin_project_roles.csv
admin_project_services.csv
admin_project_user_companies.csv

assets_asset_custom_attribute_values.csv
assets_asset_permissions.csv
assets_asset_statuses.csv
assets_assets.csv
assets_categories.csv
assets_category_custom_attribute_values.csv
assets_category_status_set_assignment.csv
assets_custom_attribute_default_values.csv
assets_custom_attribute_selection_values.csv

# Data Connector API

- Activities/アクティビティ サポート
  - 時間範囲を指定 2 フィールド追加
    - `startDate`
    - `endDate`
  - データ量の考慮
  - 最大 1 年前までさかのぼったデータを取得可能
  - 1 回のコールで取得できるのは最大 31 日分
  - 詳細は：  
<https://aps.autodesk.com/blog/accbim-360-insight-data-connector-api-supports-activities>
  - [https://help.autodesk.com/view/BUILD/ENU/?guid=Data\\_Connector\\_Activity\\_Data\\_Schema](https://help.autodesk.com/view/BUILD/ENU/?guid=Data_Connector_Activity_Data_Schema)



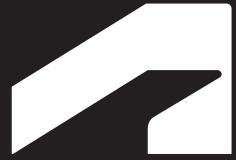


# Reviews/ レビュー



# Review/ レビュー API

- 現在プライベート ベータ
- 初期リリースのスコープ: read/write
  - GET **reviews**
  - GET reviews/{review\_id}
  - GET reviews/{review\_id}/versions
  - GET reviews/{review\_id}/progress
  - POST reviews
  - POST **workflows**
  - GET workflows
  - GET workflows/{workflow\_id}
  - GET versions/{version\_urn}/approval-status
- Comments, Webhooksは初期リリース外
- 参加希望の場合
  - E-mail to:  
**acc.review.api.feedback@autodesk.com**
  - タイトル: “Interested in Reviews API Beta Testing”
  - 利用ケースの簡単な説明を追加
  - 現在英語のみ
- ブログ：  
**<https://aps.autodesk.com/blog/acc-reviews-api-call-beta-testing-participation>**



# Parameters



# Parameters Service

## パラメータ サービスとは?

- 製品の機能

- ACC (US) >> Account Admin >> Library >> Parameters
- Revit 2023 >> Manage >> Settings >> Parameters Service

- クラウド内の「共有」パラメータ



- 以下のように課題にチャレンジ

- Revit のプロパティはユーザーにより定義される
- コンテンツ、プロジェクト、企業間で共有される
- 多数のバージョンの.txt ファイルが存在する
- コーディネーション、コラボレーション

- 作成、管理、共有するための統合、ホストされた場所

The screenshot shows the Autodesk Construction Cloud interface. At the top left, there's a navigation bar with 'Account Admin' (circled in yellow). Below it is a sidebar with various options: 'プロジェクト' (Project), 'メンバー' (Members), '会社' (Company), '役割' (Role), 'プロジェクトテンプレート' (Project Template), 'ライブラリ' (Library, circled in yellow), 'アプリ' (App), and '設定' (Settings). On the right, there's a search bar and a date filter '最終更新日' (Last Updated) set to '2023年6月12日'. The main area is titled 'ライブラリ' (Library) and has tabs for '支払' (Payment), 'フォーム' (Form), and 'パラメータ' (Parameters, circled in yellow). There are buttons for '+ パラメータのコレクションを作成' (Create Parameter Collection) and 'すべてのパラメータを管理' (Manage All Parameters). A search bar at the bottom right says '名前でパラメータのコレクションを検索...' (Search for parameter collection by name...).

The screenshot shows the Revit ribbon. The 'Modify' tab is selected. In the ribbon icons, the 'Parameters Service' icon (a blue square with a white gear and a checkmark) is highlighted with a yellow circle.

This screenshot shows the 'Parameters Service' library view. It displays a table of parameters with columns: 'Parameter Name', 'Data Type', 'Status', 'Category', 'Type or instance', and 'Date Modified'. The table lists several parameters, such as 'Revit Door Width', 'Revit Test Door', 'Moturi George', 'George parameter...', and 'COBie.ExternalIdent...'. Each row includes a small preview icon, a status indicator, and a 'More' button. The table has a header row and 8 results listed.

Parameter Name	Data Type	Status	Category	Type or instance	Date Modified
Manufact...	Text	Green	Doors, Windows(2)	Type	September 19, ...
Install Date	Time	Green	Doors, Windows(2)	Type	September 19, ...
Model Nu...	Text	Green	Doors, Windows(2)	Type	September 19, ...
OmniClas...	Text	Green	Doors, Windows(2)	Type	September 19, ...
Voltage	Number	Green	Doors, Windows(2)	Type	September 19, ...

# Parameters API

- パブリックベータ
  - パラメータ定義、タグの読み取り/書き込み
  - REST API
  - オフィシャル リリーススタートAU
- Revit API
- たくさんの可能性
  - Revitに限らず 例) AutoCAD
  - 他のソフトウェア/サービスとの統合
  - 各種規格集
- 詳細 ; Parameters APIのセッション

The image shows two screenshots illustrating the Autodesk Parameters API.

The top screenshot is from the Autodesk Construction Cloud interface. It displays a sidebar with options like 'プロジェクト', 'メンバー', '会社', '役割', 'プロジェクトテンプレート', 'ライブラリ' (selected), 'アプリ', '設定', and 'BIM 360 管理者'. The main area is titled 'ライブラリ' and has tabs for '支払', 'フォーム', and 'パラメータ' (selected). Below the tabs are buttons for '+ パラメータのコレクションを作成' and 'すべてのパラメータを管理'. A search bar at the bottom right says '名前でパラメータのコレクションを検索...'. The date '2023年6月12日' is visible.

The bottom screenshot shows the Autodesk Revit ribbon interface. The 'Modify' tab is selected. On the far right of the ribbon, there is a 'Parameters Service' icon. Below the ribbon, a 'Parameters Service (Tech Preview)' window is open, showing a list of parameters with columns: 'パラメータ名', 'コレクション', 'データタイプ', 'ステータス', 'カテゴリ', 'タイプまたはインスタンス', and '更新日'. The list includes entries like 'Revit Door Width', 'Revit Test Door', 'Moturi George', etc.

A separate table below the ribbon lists specific parameters:

Parameter Name	Data Type	Status	Category	Type or instance	Date Modified	...
Manufact...	Text	...	Doors, Windows(2)	Type	September 19, ...	...
Install Date	Time	...	Doors, Windows(2)	Type	September 19, ...	...
Model Nu...	Text	...	Doors, Windows(2)	Type	September 19, ...	...
OmniClas...	Text	...	Doors, Windows(2)	Type	September 19, ...	...
Voltage	Number	...	Doors, Windows(2)	Type	September 19, ...	...

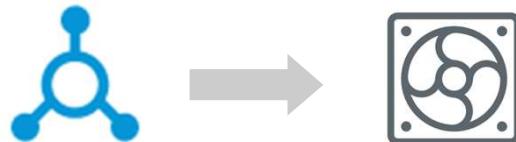
# 統合例: アセットのカスタムフィールドへのインポート

## Parameters API

**機能:** 選択したパラメータ定義をアセットモジュールにインポートし、設定でカテゴリーとカスタムフィールドをセットアップします。

**コード:** GitHub サンプル

**作者:** Eason Kang, Autodesk



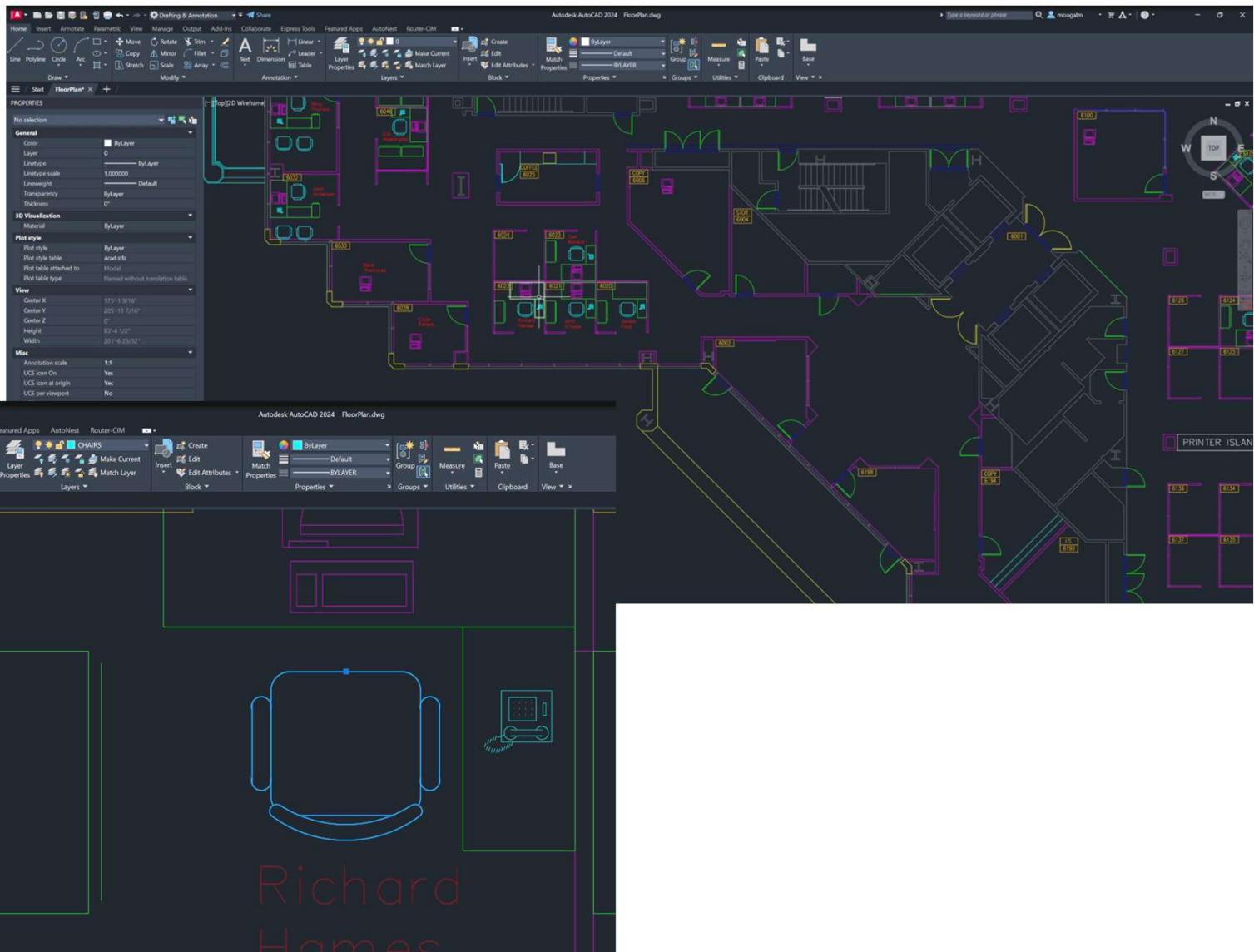
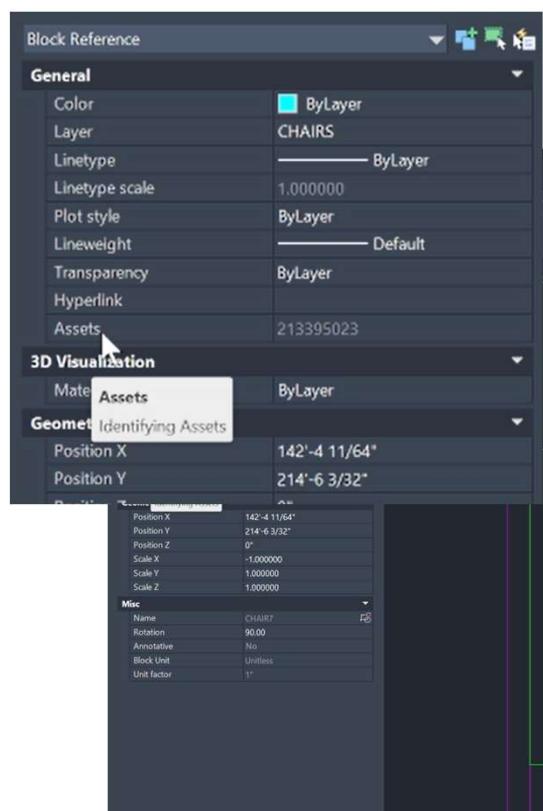
The screenshot shows the Autodesk Construction Cloud interface. On the left, there's a sidebar with various project management tabs like Home, Sheets, Files, Issues, Forms, Photos, RFIs, Submittals, Meetings, Schedule, Assets (which is highlighted with a yellow circle), Reports, Members, Bridge, and Settings. The main content area is titled 'Assets > Settings'. It has tabs for Categories, Custom Fields (which is also highlighted with a yellow circle), Status Sets, and Permissions. Below these tabs is a button '+ Create custom field'. A table lists custom fields with columns for 'Custom field title', 'Type', 'Values', and 'Description'. Two entries are shown: 'COBie.Component.Length' (Type: Numeric, Value: parameters.489c5e7aci, Description: parameters.489c5e7aci) and 'COBie.ExternalIdentifier' (Type: Text, Value: parameters.489c5e7aci, Description: parameters.489c5e7aci). To the right of this table, there are three sections: 'Parameters' (listing components with their categories, data types, and modified dates), 'Asset Categories' (listing categories with their modified dates), and 'Asset Custom Attributes' (listing attributes with their data types, values, and modified dates). A double-headed arrow icon is positioned between the 'Parameters' and 'Asset Categories' sections.

Name	Categories	Data Type	Modified Date
COBie.External	Electrical Equipment,Ducts,Pipes	Text	2022-09-07T08:27:...
COBie.CreatedC	Electrical Equipment,Mechanical Equipment,Plun	Text	2022-09-07T08:29:...
COBie.Compon	Conduits,Ducts,Pipes	Area	2022-09-07T08:31:...
COBie.Compon	Electrical Equipment,Mechanical Equipment,Plun	Text	2022-09-07T08:30:...
COBie.Compon	Electrical Equipment,Mechanical Equipment,Plun	Area	2022-09-07T08:30:...

Name	Modified Date
Pipes	2022-09-07T09:44:35.281Z
Ducts	2022-09-07T09:44:35.293Z
Electrical Eq...	2022-09-07T09:44:35.300Z
Conduits	2022-09-07T09:44:35.307Z

Name	Data Type	Values	Modified Date
COBie.Compon...	numeric		2022-09-...
COBie.Extern...	text		2022-09-...

# Parameters & AutoCAD



Richard  
Homes



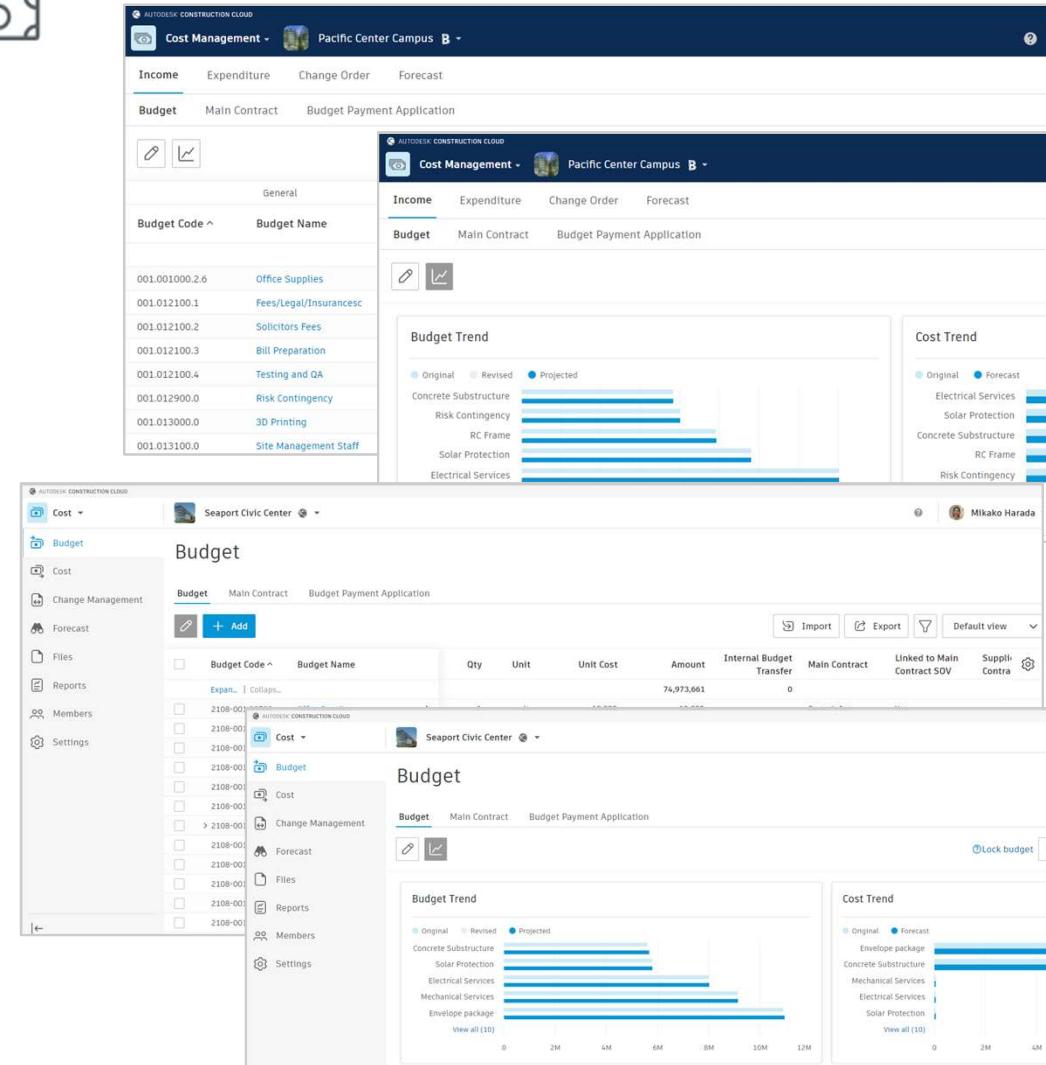
# コスト管理



# コスト管理



- カスタマイズ機能を含む多くの機能拡張
- API
  - 互換性あり
- リリース済
  - Webhooks (2月)
  - Schedule of Values (SOV) – CRUD (6月)
  - Expenses & Expense Items – CRUD
  - Payment & Payment Items – Read
  - Main contracts & items – CRUD (10月)
  - Performance tracking items & instances – CRUD
  - Time sheets – CRUD
- リクエストを歓迎



# コスト Webhooks イベント

budget.created-1.0	expense.created-1.0	pco.created-1.0
budget.updated-1.0	expense.updated-1.0	pco.updated-1.0
budget.deleted-1.0	expense.deleted-1.0	pco.deleted-1.0
budgetPayment.created-1.0	expenseItem.created-1.0	project.initialized-1.0
budgetPayment.updated-1.0	expenseItem.updated-1.0	rfq.created-1.0
budgetPayment.deleted-1.0	expenseItem.deleted-1.0	rfq.updated-1.0
contract.created-1.0	mainContract.created-1.0	rfq.deleted-1.0
contract.updated-1.0	mainContract.updated-1.0	scheduleOfValue.created-1.0
contract.deleted-1.0	mainContract.deleted-1.0	scheduleOfValue.updated-1.0
cor.created-1.0	mainContractItem.created-1.0	scheduleOfValue.deleted-1.0
cor.updated-1.0	mainContractItem.updated-1.0	sco.created-1.0
cor.deleted-1.0	mainContractItem.deleted-1.0	sco.updated-1.0
costPayment.created-1.0	oco.created-1.0	sco.deleted-1.0
costPayment.updated-1.0	oco.updated-1.0	
costPayment.deleted-1.0	oco.deleted-1.0	

# コスト Webhooks

Githubサンプル

<https://github.com/autodesk-platform-services/aps-acc-cost-exchange>

チュートリアル

<https://aps.autodesk.com/en/docs/webhooks/v1/tutorials/create-a-hook-cost-management/>

The screenshot shows the Autodesk BIM360 Project List interface at <http://localhost:3000>. The left sidebar displays a tree view of projects, including "Developer Advocacy Support" and several sample projects. The main area features a table with the following columns: ID, parentId, rootId, ratio, originalAmount, budgetCodeId, contractId, creatorId, changedBy, actualQuantity, actualUnitPrice, plannedStartDate, plannedEndDate, and actualUnitPrice. The table contains five rows of data, all created by user "Zhong Wu". The data is displayed in "Human readable form".

ID	parentId	rootId	ratio	originalAmount	budgetCodeId	contractId	creatorId	changedBy	actualQuantity	actualUnitPrice	plannedStartDate	plannedEndDate	actualUnitPrice
	-	-	1	0.0000	a124b6d0-c531-11ec-bbd5-d1e32618a4e2	-	Zhong Wu	Zhong Wu	-	-	-	-	-
	-	-	1	0.0000	bddfd13a0-c531-11ec-bbd5-d1e32618a4e2	-	Zhong Wu	Zhong Wu	-	-	-	-	-
	-	-	1	0.0000	fa377930-c539-11ec-bdc1-8fa388132d1d	-	Zhong Wu	Zhong Wu	-	-	-	-	-
	-	-	1	0.0000	ceddd65e0-c559-11ec-9d62-83f2b014e93f	-	Zhong Wu	Zhong Wu	-	-	-	-	-
	-	-	1	0.0000	1b670df0-c698-11ec-b086-cb5693892266	-	Zhong Wu	Zhong Wu	-	-	-	-	-



# Forms/ フォーム



# Forms/ フォーム



- **Forms – ACC** 
  - Read API (March, 2021)
  - pdf & webフォーム、チェックリスト、レポート
    - GET form-template
    - GET forms
  - [Write API \(April, 2023\)](#)
    - フォームインスタンスの作成
    - フォームに値を入力および更新する<sup>\*1</sup>
    - テンプレートではありません<sup>\*1</sup>
    - 3 エンドポイント
      - POST forms
      - PATCH forms/:formId
      - PUT value:batch-update
    - DELETE なし



\*1) non-pdf のみ

The screenshot shows the Autodesk Construction Cloud interface for 'Forms'. On the left, a sidebar lists project management options: Home, Sheets, Files, Issues, Forms (selected), Photos, RFIs, Submittals, Meetings, Assets, and Reports. The main area displays a 'Daily Safety Inspection' form for the 'Seaport Civic Center' project. The form includes fields for 'Form Details' (Form date: 8/23/2021, ID: #86, Description: empty), a 'Daily Safety Inspection Checklist' section, and two tables: 'Employee Observation / PPE' and 'First Aid / Sanitation'. The 'Employee Observation / PPE' table has columns for Hard Hats, Eye / Face Protection, Ear Protection, and Dust Masks / Respirators, with a 4x4 grid for marking observations. The 'First Aid / Sanitation' table has columns for Kits / Supplies, Sanitation / Hand Washing, and Clean Cool Water / Shade, also with a 4x4 grid. The interface includes standard UI elements like search, filter, and save buttons.



# AutoSpecs



# AutoSpecs

## AutoSpecs とは？

- 2023年3月発売
  - 北米
  - Autodesk Construction Operations バンドル (Docs/Build/Pype AutoSpecs/Pype Closeout)
  - Build トライアル
- 建設仕様書をインテリジェントに読み取り、提出情報を自動的に抽出します
- Autodesk Buildとの統合
  - 提出物の記録をBuildに直接パブリッシュ
  - Docsからプロジェクト仕様を保存およびアップロードする
  - QA/QC要件、モックアップ、最終提出物を特定する
  - プロジェクト仕様のバージョンを比較して、変更があればすぐに評価します

The screenshot displays two main windows of the AutoSpecs software:

- Smart Register:** A central database for managing project requirements. It shows a grid of items with columns for Spec PDF, S. no., Spec #, Product Substitution ID, Action Submittals, and Manufacturers Instructions. The interface includes navigation tabs like Home, Smart Register, Spec View, Product Data, Files, Members, and Settings.
- Spec View:** A detailed view of specific project requirements. It shows sections for General Requirements, Existing Conditions, Concrete, and various material categories (e.g., GRC, Precast Architectural Concrete). A large document preview window shows detailed engineering drawings and specifications for "03-4500 - Precast Architectural Concrete".

# AutoSpecs API

- GET project metadata

固有のプロジェクト情報を取得します。たとえば、抽出が完了しているかどうか、仕様の利用可能なバージョンなどです。

- GET smart register

提出物タイプ、部門コード、仕様番号など、すべての提出物ログを取得します。

- GET requirements

各セクションおよびグループの提出物の数を返します。

- GET summary

各グループおよび各タイプの提出物の数を返します

The screenshot shows the Autodesk Construction Cloud API documentation for AutoSpecs. The 'Developer's Guide' section is expanded, showing the 'AutoSpecs' category under 'HTTP Specification'. The 'Project Details' section contains the 'GET project metadata' endpoint, which is highlighted with an orange box. Below this, the 'Project Submittal Log' section contains the 'GET smartregister' endpoint. Other sections like 'Project Requirements' and 'Project Summary' also contain endpoints. To the right of the developer guide, there is a 'Resource Information' panel showing the method (GET), URI (https://developer.api.autodesk.com/construction/autospecs/projects/{projectId}/version/{version}/smartregister), authentication context (user context required), and required OAuth scope (data:read). At the bottom, there is a screenshot of a software interface showing a 'Smart View' window with a 'View PDF' button and a detailed description of an 'ACTION SUBMITTALS' section.



# Submittals/提出物



# **Submittals/提出物**

- パブリック ベータ
- スコープ: 読み取り専用
  - GET item/items
  - GET itemType/itemTypes
  - GET attachments
  - GET response
  - GET Spec/Specs
  - GET package/packages
- フィードバックをお聞かせください。



# BuildingConnected



# **BuildingConnected**

**BuildingConnected**とは？

使いやすく合理化された入札およびリスク管理プロセスを通じて、所有者と建設者を結び付けるオンライン プラットフォーム。

3 つのサブ製品:

- **BuildingConnected Pro** – 北米最大のネットワークを活用し、適切なベンダーの招待、提案の管理、建設の入札段階で価格を求めて最高の入札を決定するのを支援します。
- **Bid Board Pro** – オンライン入札ボードで入札招待を管理し、正しい意思決定を支援します。
- **TradeTapp** – 自動化された分析と推奨事項を通じて下請け業者を適格性を判断し、リスクをより早く軽減できるようにします。（この API リリースの一部ではありません）

# BuildingConnected API

- 2023年3月発売
  - 北米
  - Docsとリンクされている
  - ドキュメント
- 読み取り専用
  - プロジェクト(BuildingConnected プロジェクト。ACC または BIM 360 プロジェクトとは異なる)
  - 入札パッケージ
  - 招待
  - 入札
  - 機会
  - プロジェクト入札フォーム
  - 範囲固有の入札フォーム
  - 連絡先
  - ユーザー (API呼び出し元の会社)

The screenshot shows the Autodesk Platform Services documentation page for the BuildingConnected API. The top navigation bar includes links for Solutions, Getting Started, Documentation, Success Stories, Community, Support, and Pricing. The main content area is titled "BuildingConnected API" and includes sections for "Developer's Guide", "Step-by-Step Tutorials", and "API Reference". The "Developer's Guide" section provides an overview of the API's features, such as ETL support for extracting project, bid, and opportunity data for a given company, synchronization with CRM & ERP tools, and estimating tools. It also mentions sharing files with bidders when used in conjunction with the Data Management API. The "Step-by-Step Tutorials" section offers guides for creating an ETL process for BuildingConnected, syncing Bid Board with CRM, and exporting projects to estimating tools. The "API Reference" section provides detailed information on HTTP references for Projects, Bid Packages, and Invites.

# Sample: Building Connected + Takeoff

**機能:** Takeoff からのデータを比較しながら入札平準化を検査する

ソースコード: GitHub サンプル(TBD)

**作者:** Xiaodong Liang, Autodesk

AUTODESK Platform Services				Enable my Autodesk Account	Sign Out	Xiao Dong Liang			
Bid Packages		Bid Leveling		TakeOff					
- <a href="#">Xiaodong Project with Sealed Bidding</a>									
- <a href="#">Xiaodong Test by API</a>		Estimated Cost: \$8000000	Company: Norris Dullea	Company: Test	Name	Unit	instance	Quantity	
- <a href="#">03A: Concrete</a>		Leveled Bid	\$ 3780700	\$ 6927000	16" Diameter Concrete	EA	47	47.00	
- <a href="#">AC Paving</a>		Base Bid	\$ 3780700	\$ 6927000	Clear Glazing	EA	460	460.00	
- <a href="#">Access Doors</a>		Line Items				Frit Pattern Glazing	EA	499	499.00
- <a href="#">Aerial Photos</a>		16" Diameter Concrete	56 EACH @ \$4000 \$224000	50 EACH @ \$600 \$30000	Store Front Double Door	EA	19	19.00	
- <a href="#">Air Barriers</a>		Clear Glazing	470 EACH @ \$7000 \$3290000	470 EACH @ \$800 \$376000	Mikes Roof	M2	0	0.00	
- <a href="#">Audubon Building</a>		Exterior - Open wood slat wall	50 SQUARE_METERS @ \$700 \$35000	60 SQUARE_METERS @ \$700 \$42000	Exterior - Open wood slat wall	M2	15	50.97	
- <a href="#">Curtain Wall</a>		Exterior - Wood Panel on Metal Stud	70 SQUARE_METERS @ \$700 \$49000	70 SQUARE_METERS @ \$600 \$42000	External - Mdf				
- <a href="#">test section</a>				2255 SQUARE_METERS					
BidPackage Overview		Model View		TakeOff Inventory					
companies invited									
Undecided	Viewed	Bidding	No Bidding						
									
Number	018325								
Bid Package Name	Audubon Building			Output Name					
Keywords	Aggregate,Architecture			16" Diameter Concrete	EA	1			
Bid Package Lead	Xiao DongLiang			16" Diameter Concrete	EA	1			
Estimated Cost	\$ 8000000			16" Diameter Concrete	EA	1			
Bids Due	2023-06-16T19:00:00.000Z			16" Diameter Concrete	EA	1			
Job Walk	2023-07-24T19:00:00.000Z			16" Diameter Concrete	EA	1			
Pre-Bid RFIs Due	2023-06-30T19:00:00.000Z			16" Diameter Concrete	EA	1			
				16" Diameter Concrete	EA	1			

# Building Connected + Takeoff 2 (開発中)

**機能:** Takeoffから入札フォーム/パッケージを生成する

**ソースコード:** GitHub サンプル (TBD)

**作者:** Xiaodong Liang, Autodesk

The screenshot displays the Autodesk Platform Services interface. On the left, a sidebar shows a project tree with various items like 'Data Exchange Workshop Sample Project', 'MH ACC Forge Sandbox', and 'Audubon Building'. Under 'Audubon Building', there is a button labeled '+ Create Bid Package'. Below this is a section titled 'Bid Packages' with items such as 'Xiaodong Dummy Test', '03A: Concrete', 'AC Paving', etc. In the center, there is a table titled 'AUTODESK Platform Services' showing line items for a bid scope. The table includes columns for code, description, quantity, type, and required status. A green row highlights an item for 'Mikes Green Roof'. To the right of the table, there is a 'Bid Scope Specific Forms' section with a table for 'Line Items' and buttons for 'add line item', 'add alternates', 'add inclusions', and 'add unit costs'. At the bottom, there is a 'Model View' section showing a 3D wireframe model of a building with a large green 'X' drawn on it, along with various toolbars and settings.

code	Description	Quantity	Type	Required?
A1010..	16	47	lump sum	<input checked="" type="checkbox"/>
B2010..	Clear Glazing	460	lump sum	<input checked="" type="checkbox"/>
B2020..	Frit Pattern Glazing	499	lump sum	<input checked="" type="checkbox"/>
C1090..	Taps	131.37	linear metres	<input checked="" type="checkbox"/>
B3010..	Mikes Green Roof	2255.51	square metres	<input checked="" type="checkbox"/>

# Building Connected API

次のステップ

- Write API Q4
- Webhooks write のあと
- TradeTapp





# Model Aggregation/ モデル アグリゲーション

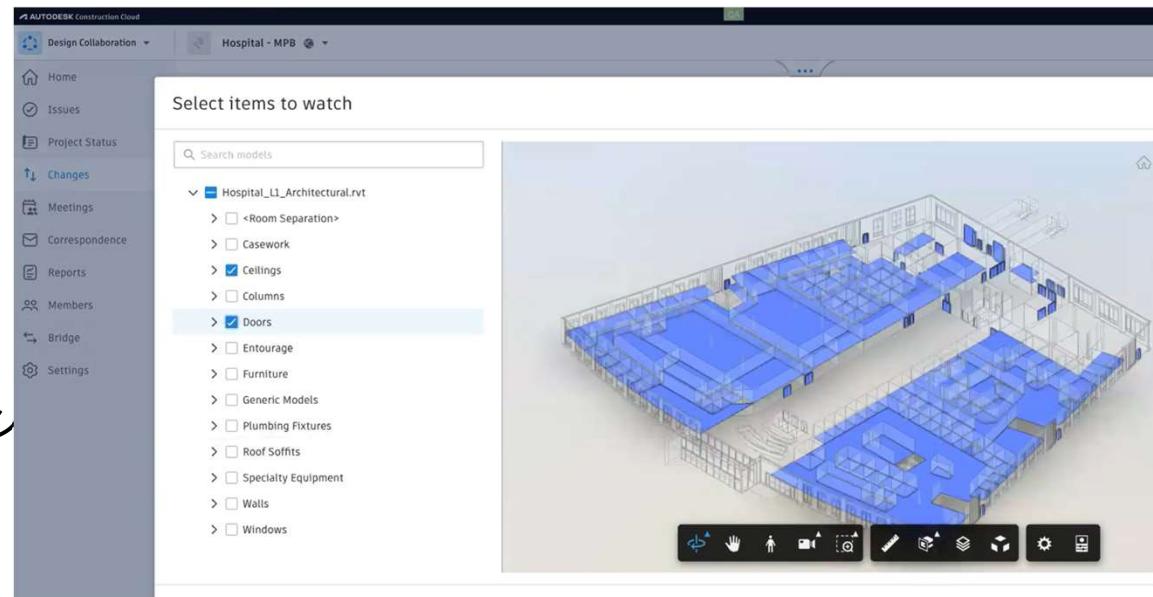


# Model Aggregation/モデルアグリゲーション

- What is it?
  - モデルプロパティを使用して構築
  - ビューアブルを結合する
  - フィルターをもちいた“スライス&ダイス”
- 使用している製品
  - Design Collaboration >> 変更
  - Model Coordination >> ビュー、クラッシュ
  - MC Save to Docs に保存 >> Docs
  - Assets (ポテンシャル)
- ACC/BIM 360 内の共有コンポーネント
- 現在リリース プロセスを進行中

# Model Aggregation/モデルアグリゲーション

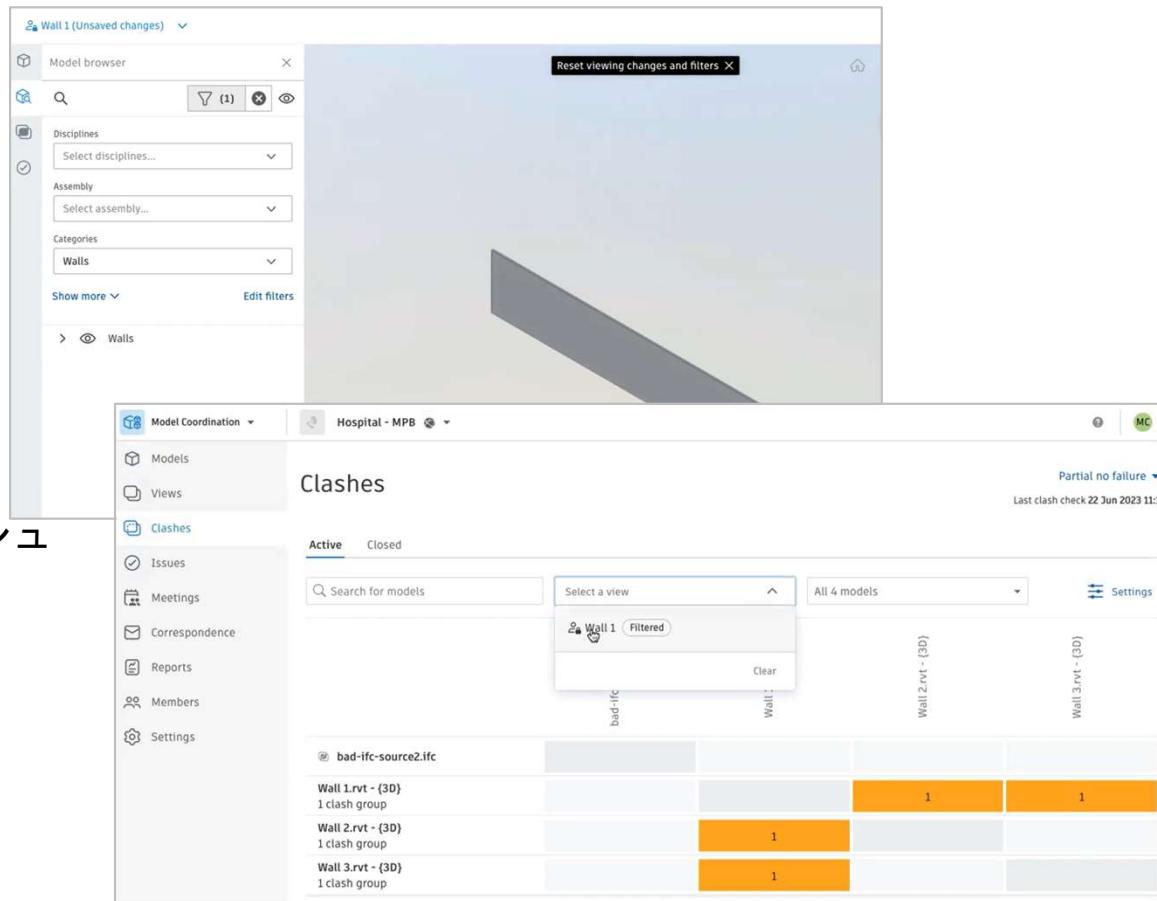
- What is it?
  - モデルプロパティを使用して構築
  - ビューアブルを結合する
  - フィルターをもちいた“スライス&ダイス”
- 使用している製品
  - Design Collaboration >> 変更
  - Model Coordination >> ビュー、クラッシュ
  - MC Save to Docs に保存 >> Docs
  - Assets (ポテンシャル)
- ACC/BIM 360 内の共有コンポーネント
- 現在リリース プロセスを進行中



Design Collaboration: Changes

# Model Aggregation/モデルアグリゲーション

- What is it?
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  - MC Save to Docs に保存 >> Docs
  - Assets (ポテンシャル)
- ACC/BIM 360 内の共有コンポーネント
- 現在リリース プロセスを進行中



Model Coordination: Saved View and Filter Clashes

# Model Aggregation/モデルアグリゲーション

- What is it?
  - モデルプロパティを使用して構築
  - ビューアブルを結合する
  - フィルターをもちいた“スライス&ダイス”
- 使用している製品
  - Design Collaboration >> 変更
  - Model Coordination >> ビュー、クラッシュ
  - MC Save to Docs に保存 >> Docs
  - Assets (ポテンシャル)
- ACC/BIM 360 内の共有コンポーネント
- 現在リリース プロセスを進行中

The screenshot illustrates the workflow for saving a model view to a document in Autodesk Construction Cloud:

- Step 1: Model Coordination - Views**  
The 'Views' section shows a table with one item: 'Wall 1'. The 'Save to Docs' button is highlighted.
- Step 2: Select a folder to save to**  
A modal dialog box titled 'Select a folder to save to' is open. It contains a search bar with 'Wall 1 - save to docs' and a tree view of project files under 'Project Files'. A yellow arrow points from the 'Save to Docs' button in Step 1 to this dialog.
- Step 3: Model Coordination: Saved to Docs**  
The status message 'Model Coordination: Saved to Docs' is displayed.
- Step 4: Docs - Files**  
The 'Files' section shows a table of saved documents. One document, 'Wall 1 - save to do...', is selected, indicated by a blue border and a yellow arrow pointing to it.



# Save to Docs

Model Aggregation API



Viewing 8 models (Unsaved View) ▼



Model browser BETA Feedback X

🔍 🔍 🔍 🔍

FILTERS

Construction/Position  
Not available

Constraints/Base Constraint  
Select constraints/base constraint...

Disciplines  
Select disciplines...

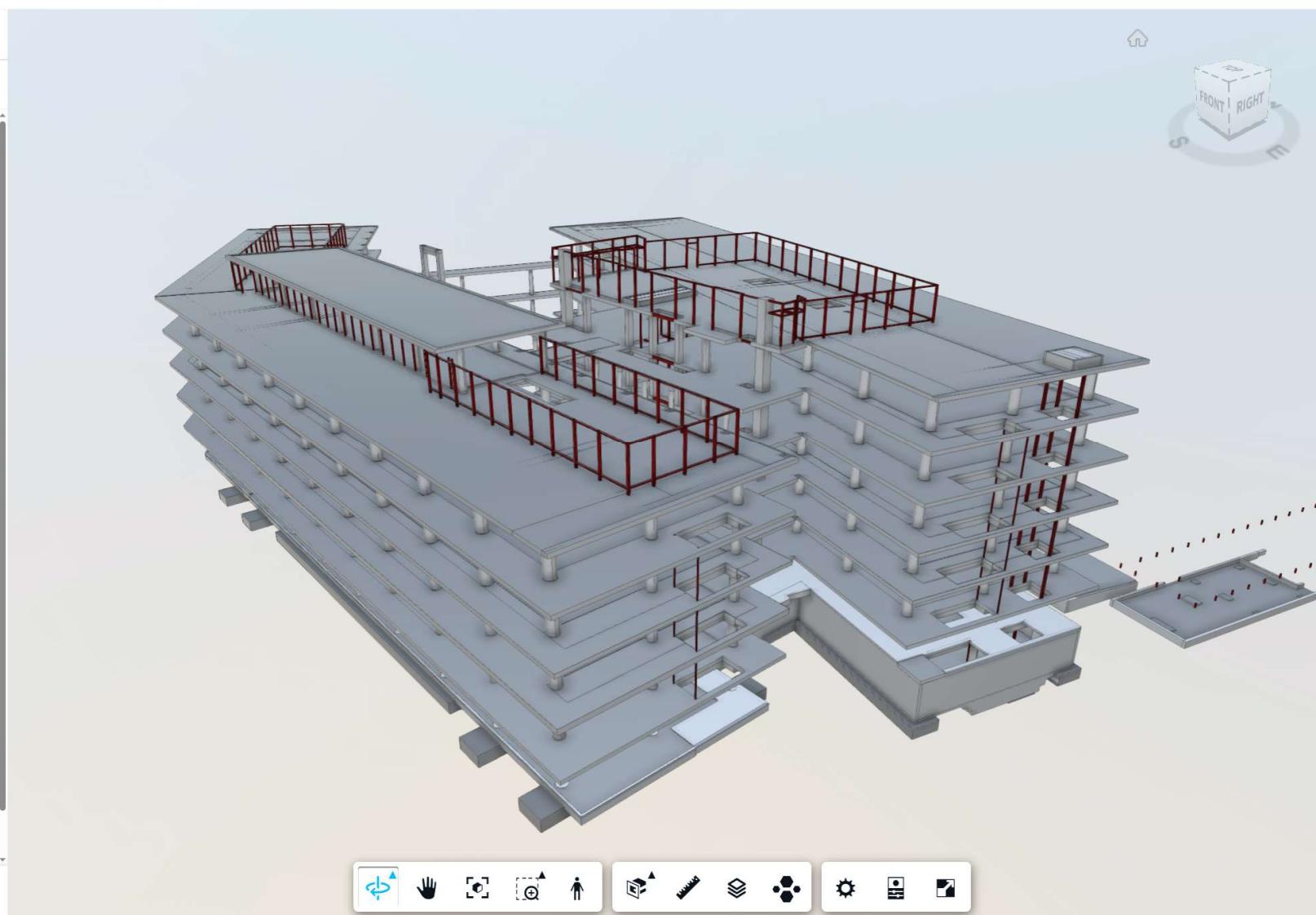
Show more ▼ Edit filters

Advanced filters + Add a filter set

MODEL\_TREE

- > PacificCenter\_AY\_Struct.rvt - 3D Level 1
- > PacificCenter\_AY\_Struct.rvt - 3D Level 2
- > PacificCenter\_AY\_Struct.rvt - 3D Level 3
- > PacificCenter\_AY\_Struct.rvt - 3D Level 4
- > PacificCenter\_AY\_Struct.rvt - 3D Level 5
- > PacificCenter\_AY\_Struct.rvt - 3D Level C
- > PacificCenter\_AY\_Struct.rvt - 3D Level 6

Select models Save view



Viewing 8 models (Unsaved View) ▼



Model browser BETA

Feedback X



Reset viewing changes and filters X



#### FILTERS

##### Construction/Position

Not available ▼

##### Constraints/Base Constraint

Select constraints/base constraint... ▼

##### Disciplines

Select disciplines... ▼

Show more ▼

Edit filters

#### Advanced filters

##### ▼ Dimensions/Length > 30 ft

Dimensions/Length ▼

> ▼ 30 ft



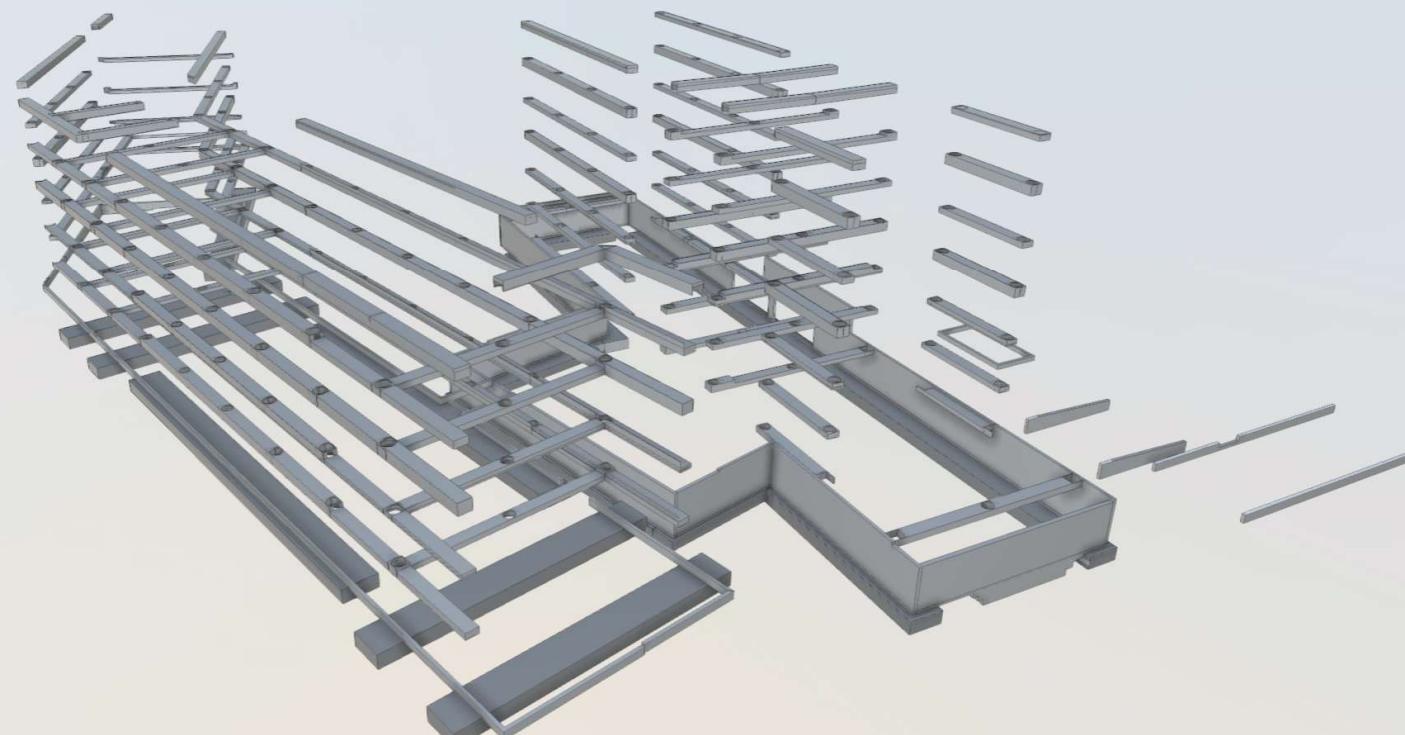
+ Add a filter set

#### MODEL\_TREE

- > PacificCenter\_AY\_Struct.rvt - 3D Level 1
- > PacificCenter\_AY\_Struct.rvt - 3D Level 2 ▼

Select models

Save view  



Viewing 8 models (Unsaved View) ▼



Model browser BETA

Feedback X



Reset viewing changes and filters X



### FILTERS

Construction/Position

Not available

Constraints/Base Constraint

Select constraints/base constraint... ▼

Disciplines

Select disciplines... ▼

Show more ▼

Edit filters

Advanced filters ✖

▼ Dimensions/Length > 30 ft

Dimensions/Length ▼

> ▼ 30 ft +



+ Add a filter set

### MODEL\_TREE

- > PacificCenter\_AY\_Struct.rvt - 3D Level 1
- > PacificCenter\_AY\_Struct.rvt - 3D Level 2\*

Select models

Save view

Cancel Save view

### Save view

Title \*

Objects Longer than 30 Feet

Privacy

Public

Description

Filters to all objects with a length greater than 30 feet



Objects Longer than 30 Feet Filtered

Objects Longer than 30 Feet  
saved!

Model browser BETA

Feedback

Search (1) X Eye

FILTERS

Construction/Position Not available

Constraints/Base Constraint Select constraints/base constraint...

Disciplines Select disciplines...

Show more Edit filters

Advanced filters ✖

Dimensions/Length > 30 ft ▼

Dimensions/Length > 30 ft + ✖

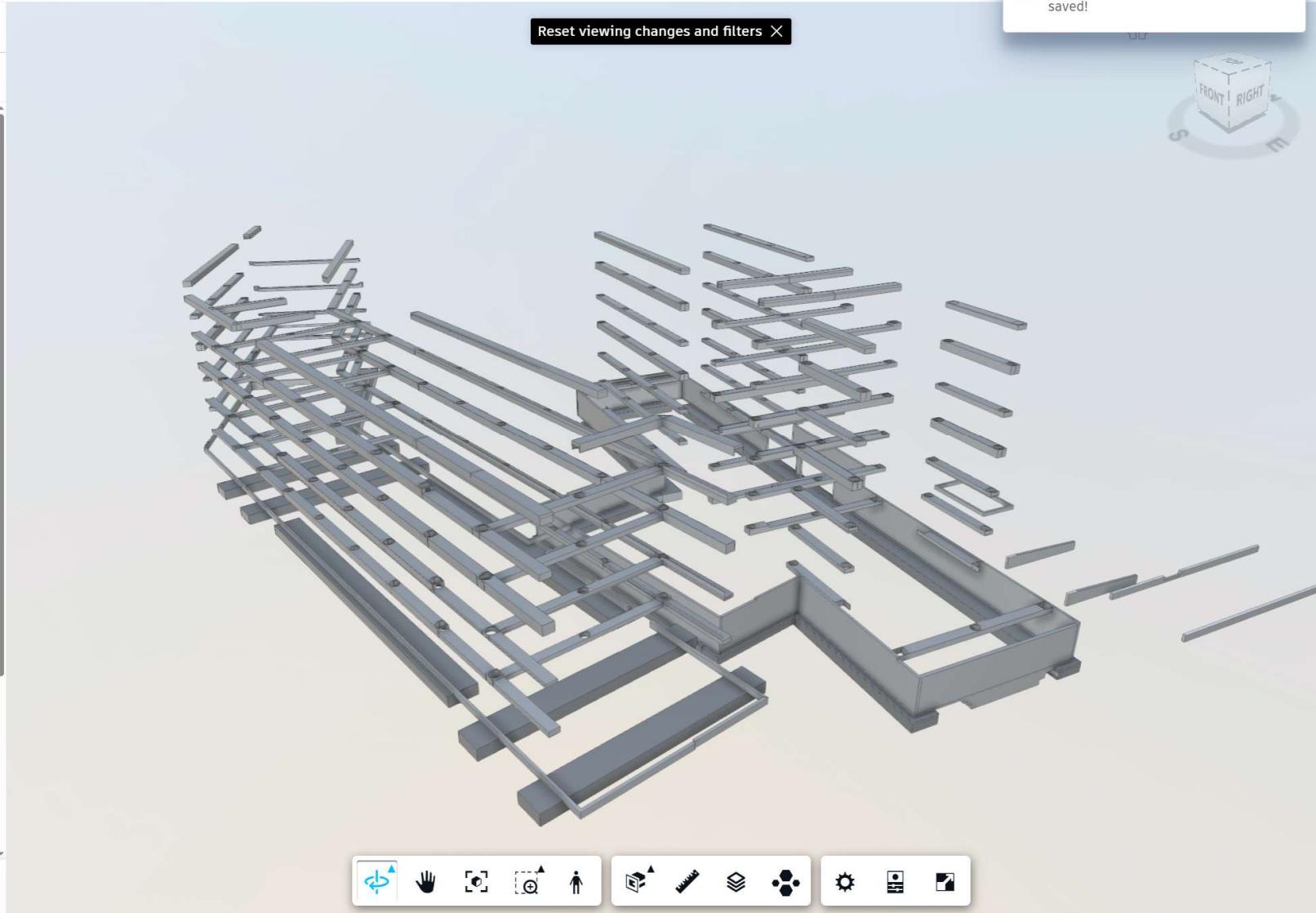
+ Add a filter set

MODEL\_TREE

> PacificCenter\_AY\_Struct.rvt - 3D Level 1

> PacificCenter\_AY\_Struct.rvt - 3D Level 2 ▼

Select models Update view





**Views**

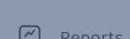
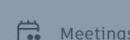
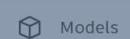
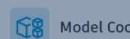
Title	Save to Docs	Last saved to Docs	Created by	Updated on	Privacy	Details	Details
Objects Longer than 30 Feet	Save to Docs	-	AE Alan Edwardes Today at 11:34	Today at 11:34	Public	>	Objects Longer than 30 Feet
Kim's view	Save to Docs	-	KP Kim Pita Yesterday at 16:50	Yesterday at 16:50	Protected	>	Contents PacificCenter_AY_Struct.rvt - 3D Level 1, PacificCenter_AY_Struct.rvt - 3D Level 0, PacificCenter_AY_Struct.rvt - 3D Level 2, PacificCenter_AY_Struct.rvt - 3D Level 3, PacificCenter_AY_Struct.rvt - 3D Level 4, PacificCenter_AY_Struct.rvt - 3D Level 5, PacificCenter_AY_Struct.rvt - 3D Level 6, PacificCenter_AY_Struct.rvt - 3D Level 7

**Last updated**  
Alan Edwardes on Today at 11:34

**Last saved to Docs**  
-

**Created by**  
AE Alan Edwardes  
Today at 11:34

**Description**



Title	Save to
Objects Longer than 30 Feet	Save to Docs
Kim's view	Save to Docs

## Select a folder to save to

Name in Docs \*

Objects Longer than 30 Feet

- 📁 Eduardo
- 📁 Edwarda
- > 📁 Hospital
- > 📁 Test Alignment Space
- > 📁 Eileen
- > 📁 Elias
- 📁 Elisa

Cancel

Save

Privacy	Details	Details
🌐	>	Objects Longer than 30 Feet
🔒	>	Public Save to Docs

**Contents**

PacificCenter\_AY\_Struct.rvt - 3D Level 1,  
PacificCenter\_AY\_Struct.rvt - 3D Level 0,  
PacificCenter\_AY\_Struct.rvt - 3D Level 2,  
PacificCenter\_AY\_Struct.rvt - 3D Level 3,  
PacificCenter\_AY\_Struct.rvt - 3D Level 4,  
PacificCenter\_AY\_Struct.rvt - 3D Level 5,  
PacificCenter\_AY\_Struct.rvt - 3D Level 6,  
PacificCenter\_AY\_Struct.rvt - 3D Level 7

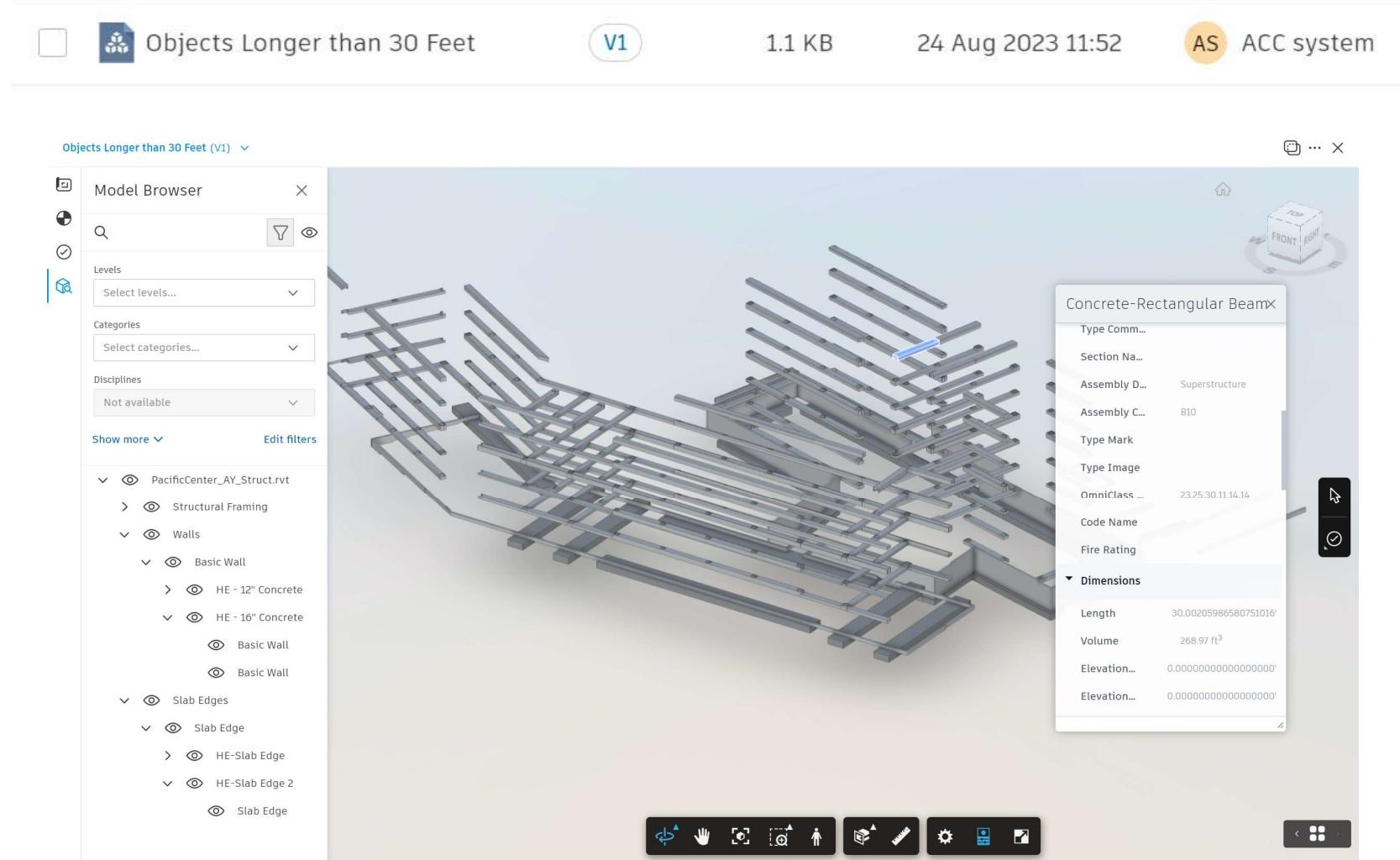
**Last updated**  
Alan Edwardes on Today at 11:34

**Last saved to Docs**  
-

**Created by**

AE Alan Edwardes  
Today at 11:34

**Description**



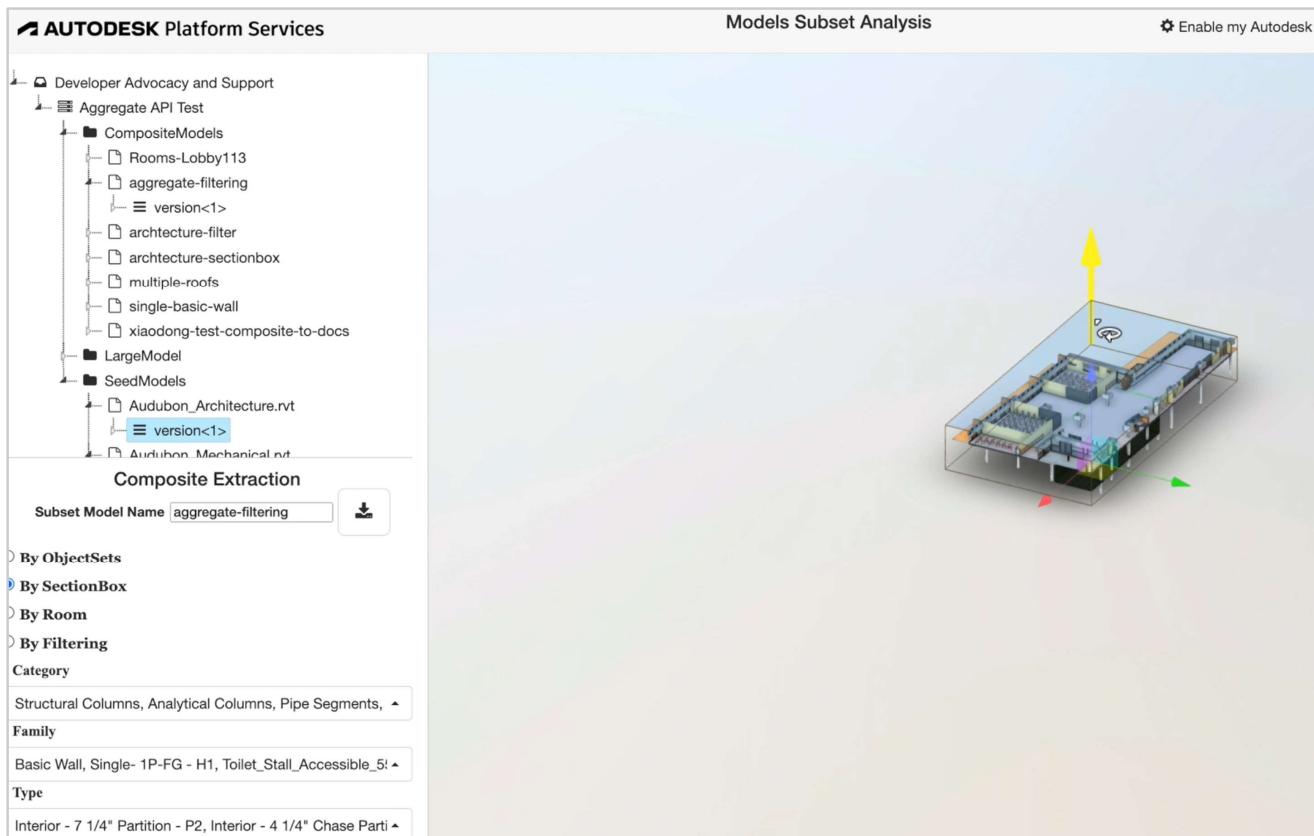


# Sample Demo

Model Aggregation API

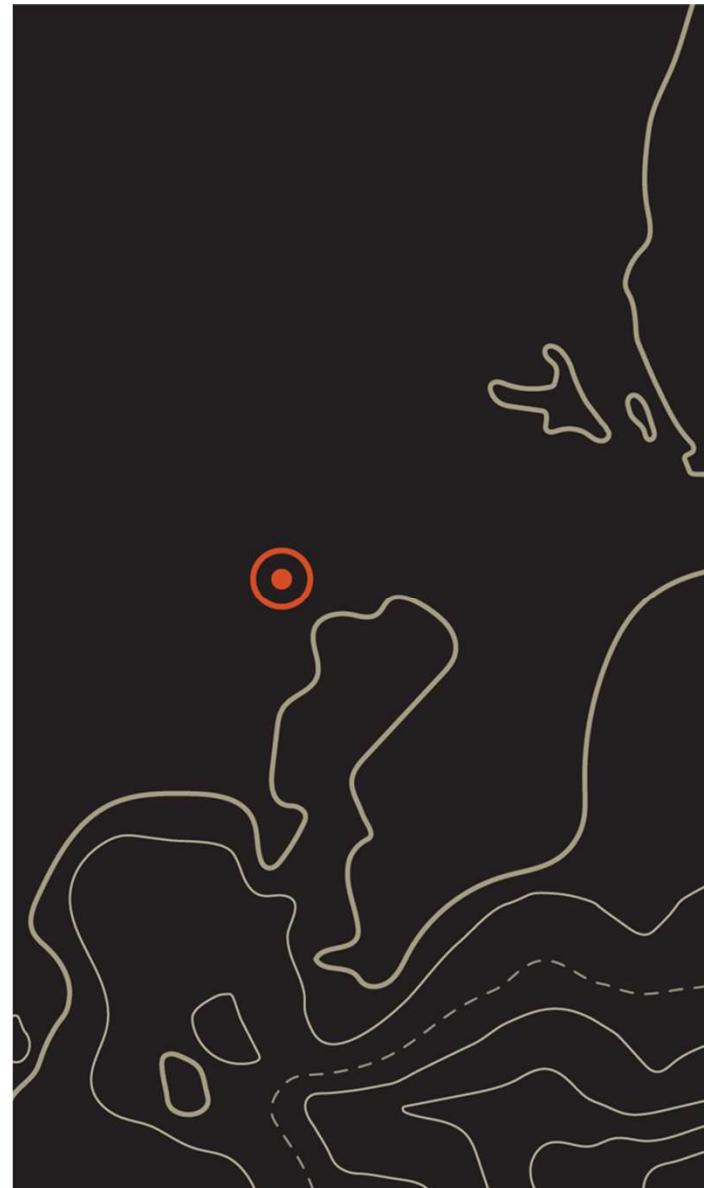


# Model Aggregation/モデルアグリゲーション サンプル



# まとめ

- 1 Autodesk Construction Cloud 概要
- 2 APIステータスとアップデート
- 3 モジュールごとのアップデート
- 4 Q & A





# Design & Make Platform

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