

B AUTODESK Build

Connect field and project management workflows



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Agenda

- ▮ Connected Construction
- ▮ Autodesk Build Capabilities
- ▮ Insight
- ▮ Configurable Project Management
- ▮ Connected Cost Management
- ▮ Proactive Quality Management
- ▮ Robust Safety Management
- ▮ Simplified Project Closeout



The value of Autodesk Build



**Connected
Teams**

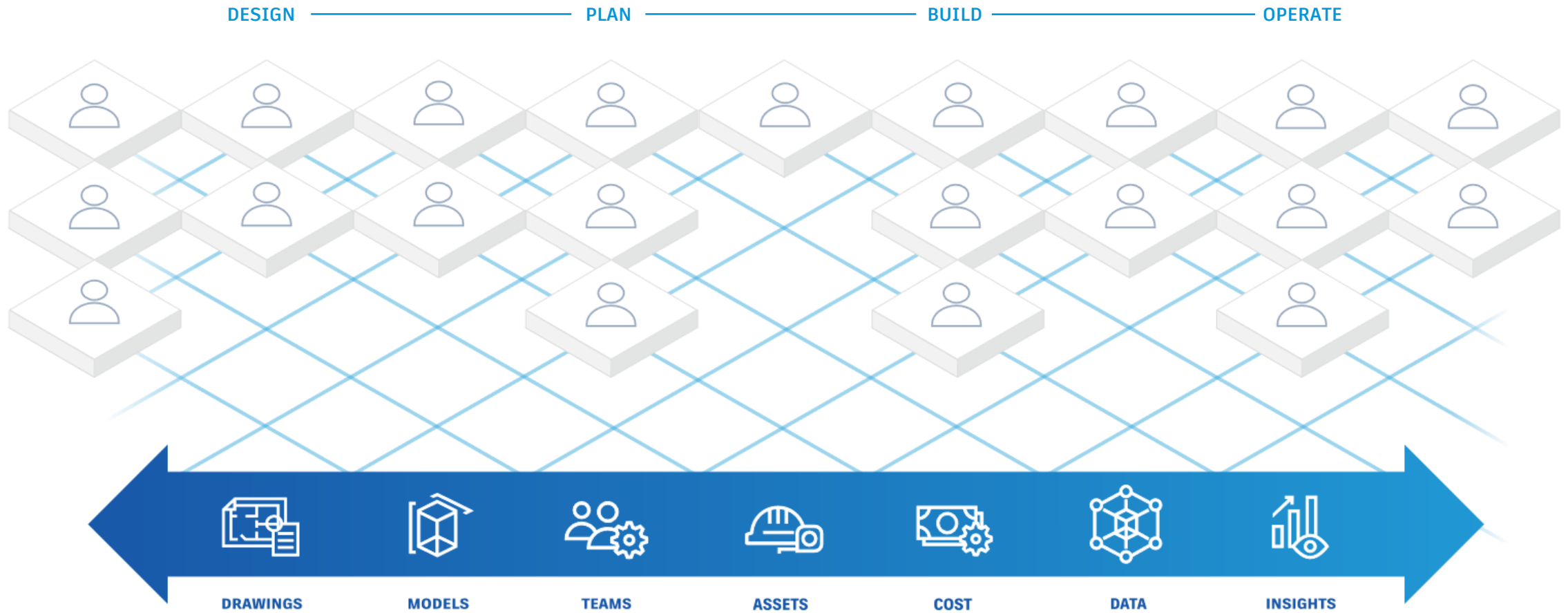


**Connected
Workflows**

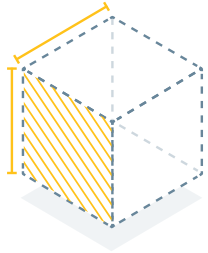


**Connected
Data**

The New Possible starts with **Connected Construction**



AUTODESK Construction Cloud



AUTODESK
BIM Collaborate



AUTODESK
Takeoff



AUTODESK
Build

AUTODESK Docs

Models · Drawings · Issues · Specifications · RFIs · Cost · Assets · As-Built · Photos · Videos

INSIGHT

Dashboards · Reports · Construction IQ · Data Connector

ADMINISTRATION

User Management · Autodesk ID · Project Administration

AUTODESK Construction Cloud



AUTODESK
BIM Collaborate



AUTODESK
Takeoff



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INSIGHT

Dashboards · Reports · Construction IQ · Data Connector

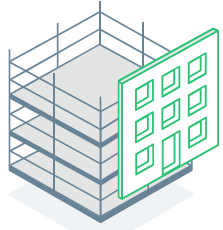
ADMINISTRATION







User Management · Autodesk ID · Project Administration

An aerial photograph of a construction site. Several workers in orange safety vests and hard hats are visible. There are stacks of wooden pallets, construction materials, and a concrete floor. The background shows a building under construction with a metal frame. The image is overlaid with a semi-transparent blue and green gradient.

Autodesk Build Capabilities

Autodesk Build Capabilities & Workflows



Capabilities	 Doc Management	 Cost Management	 Project Management	 Quality	 Safety	 Project Closeout
Workflows	<ul style="list-style-type: none"> • Document Control • Document Versioning • Document Approvals 	<ul style="list-style-type: none"> • Budget Creation • Contract Administration • Change Orders • Payment Applications/ Expenses • Forecasting 	<ul style="list-style-type: none"> • RFIs • Submittals • Meeting Minutes • Daily Reports • Schedule 	<ul style="list-style-type: none"> • Quality Planning • Quality Assurance/ Quality Control • Punchlists • Issue Management 	<ul style="list-style-type: none"> • Safety Planning • Safety Training • Safety Observations • Safety Inspections 	<ul style="list-style-type: none"> • Commissioning • Turnover Documentation • Warranty Mgmt. • Final Completion • As-Built Survey
Unified Data	Models · Drawings · Documents · Cost Items · Assets · Photos · Videos					
Insight	Dashboards · Reports · Data Connector · Construction IQ					
Admin	Project Setup · User Management · Project Admin · Account Admin · Data Federation					

An aerial photograph of a construction site on a rooftop terrace. Several workers in safety vests and hard hats are visible, some standing in a group and others working near wooden pallets and construction materials. The terrace is surrounded by multi-story buildings with many windows. The image has a blue and yellow color overlay.

Insight

Harness the power of your data to make better decisions, faster.

Insight

Harness the power of your data to make better decisions, faster.



Dashboard

Project Address

23 Drydock Avenue
Boston, MA 02110

Weather

51° Possible Drizzle

Mon 56° Tue 55° Wed 48° Thu 51°

Quality Risk

Risk Today: Med

Safety Risk Today

Low Adoption Risk

Project Issues

ID	Title	Type	Due Date
5	Flashing at Roof Mounted Equipment	Quality	Sep 2, 2020
38	Building Code	Design	Nov 20, 2020
44	Damaged Drywall	Punch List	Jan 14, 2021
45	Truck bed has not been cleaned	Quality	Jan 28, 2021
64	Window caulk	Quality	Feb 6, 2021

5 of 187 Issues | View all (187)

Project RFIs

ID	Title	Due Date
10	Insufficient Clearance in Corridor 1001	Jan 31, 2021
3	HVAC CFM Clarification	Feb 1, 2021
8	Lower Ceiling in Room	Feb 5, 2021
5	Towel Dispenser Location	Feb 11, 2021
14	ADA Ramp in Entry	Feb 12, 2021

5 of 28 Open RFIs | View all (28)

Open RFIs and Submittals

● Overdue ● Due in the next 5 days ● Due after 5 days

28 RFIs

23 5

15 Submittal Items

Project Submittals

ID	Spec	Rev	Title	Type	Due Date
8	06 1000	0	Shop Drawings	Shop Drawings	Jan 21, 2021
5	10 4413	0	As-Builts	Other	Jan 25, 2021
6	10 1400	0	Samples for Initial Selec...	Mockup	Feb 1, 2021
9	09 9000	0	Sample Paint	Samples	Mar 26, 2021
16	07 6200	0	Mock ups	Mockup	May 28, 2021

Analyze data for a single project or across projects to get a broader view of companywide performance

Quickly build an actionable list of daily tasks and gain visibility into what to prioritize

Create and share custom dashboards

Add integration partner cards from the Card Library

Build Home

Get a holistic view of projects with customizable dashboards.

Analyze data for a single project or across projects to get a broader view of companywide performance

Quickly build an actionable list of daily tasks and gain visibility into what to prioritize

Make better informed business decisions and see how all projects are performing with account-level dashboards

The screenshot displays a user interface for a project management tool. On the left is a vertical navigation menu with icons and labels for various project management functions. The main area is a dashboard titled 'Welcome, Leah' with a subtitle 'Here's what's happening on your project today.' It features several data-rich widgets: a progress bar for project milestones, a weather forecast, a list of assigned work items with warning icons, and a team update status donut chart. A right-hand sidebar shows a 'Recent Activity' feed with a 'View All' dropdown and a list of task creation events with dates and user names. A blue arrow points from the 'Assigned Work' section of the dashboard to the text on the left.

Construction IQ

Identify and prioritize project risks with Construction IQ.

Use machine learning to scan project data like Issues, RFIs and design errors to identify high risk areas

Quickly identify items that need immediate attention

View risks in context of design, quality, safety and/or project controls dashboards

The screenshot displays the Construction IQ dashboard for the Seaport Civic Center project. The dashboard is organized into several sections:

- Navigation:** A sidebar on the left contains 'DASHBOARDS' with options for Risk, Design, Project Controls, Quality, and Safety. The 'Project Controls' option is currently selected.
- Project Overview:** The main header shows 'Golden Gate Seaport Civic Center' with project dates from August 1, 2020, to September 7, 2023.
- RFI Risk Factors:** A central section with five cards showing risk counts: HIGH RISK RFIS (2), DESIGN COORDINATION (1), MEP AND STRUCTURAL RFIS (4), DOCUMENTATION ERRORS (6), and CODE COMPLIANCE (1). A blue arrow points from the 'Quickly identify items that need immediate attention' text to the 'HIGH RISK RFIS' card.
- Project RFIs:** A table on the right lists individual RFIs with columns for ID, Title, and Due Date. The first four items are: ID 2 (Missing Soffit Detail), ID 3 (HVAC CFM Clarification), ID 6 (2nd floor bathrooms - sink model), and ID 7 (07 7100 Specification & Drawing Discrepancy).
- Project Submittals:** A table below the risk factors lists submittals with columns for ID, Spec, Rev, Title, Type, and Due Date. The first five items are: ID 5 (As-Builts), ID 6 (Samples for Initial Selection), ID 3 (Shop Drawings), ID 12 (Delivery Documentation), and ID 11 (Shop Drawings).
- Open RFIs and Submittals:** A section with two horizontal bar charts. The first chart shows 6 RFIs with 5 overdue (red) and 1 due in the next 5 days (yellow). The second chart shows 9 submittal items with 2 overdue (red), 1 due in the next 5 days (yellow), and 6 due after 5 days (grey).
- RFI Progress Tracking:** A section titled 'RFI Progress Tracking: Active vs Closed' with a legend for Active (blue) and Closed (red) items.
- Open RFIs by Current Assignment:** A section showing the distribution of open RFIs by assignment. Allied Architects has 3 overdue RFIs, and Delta Engineers has 1 overdue RFI.

Data Connector

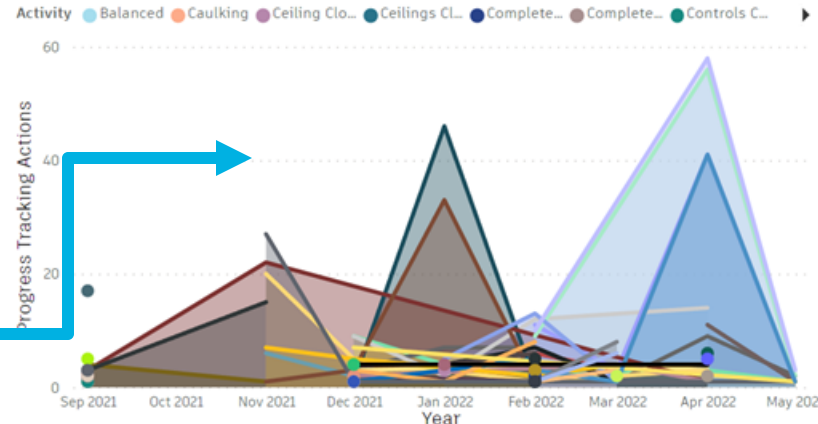
Get more out of your data with a single click

Extract project data for use in robust business intelligence tools

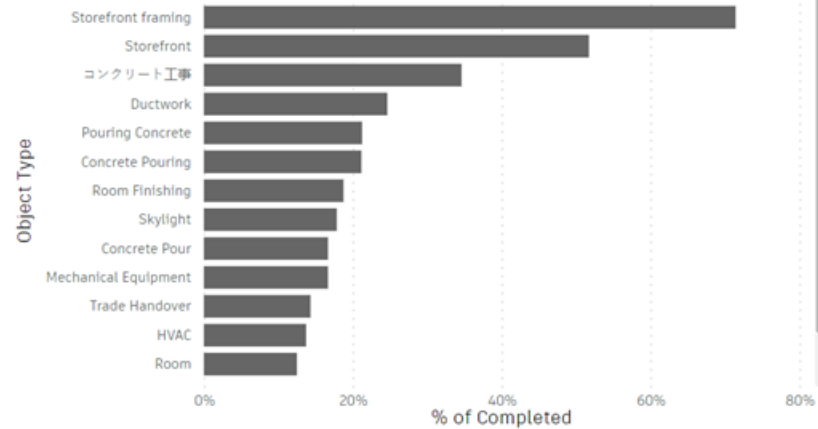
Leverage templates to extract and manipulate data to enable a more sophisticated analysis

ACC Progress Tracking Dashboard (Project)

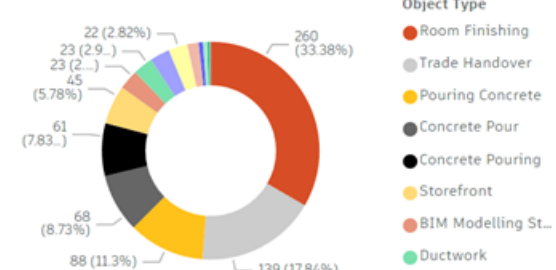
Progress Tracking Actions by Year, Month and Activity



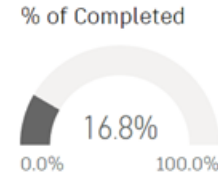
% of Completed by Object Type



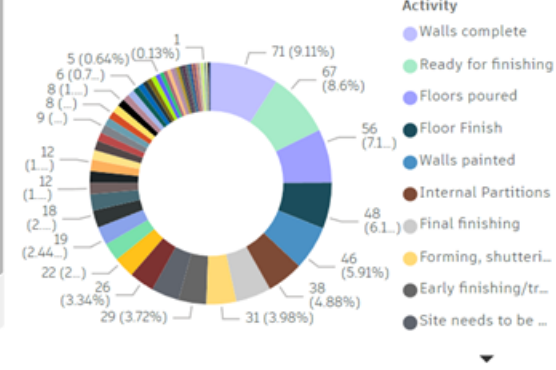
Actions by Object Type



365 # Completed Activities
2172 Total Activities



Actions by Activity



AUTODESK Construction Cloud

Project Name: All

Project Type: All

Business Unit: All

Object Type: All

Activity: All

Top 10 Progress Updaters

Mags Carey	John Paul Mann
339	99
Dariusz Kiszka	Joe Fi... Bob V
171	45 41
	Tjandra Lu... 40
	Maresuke F...

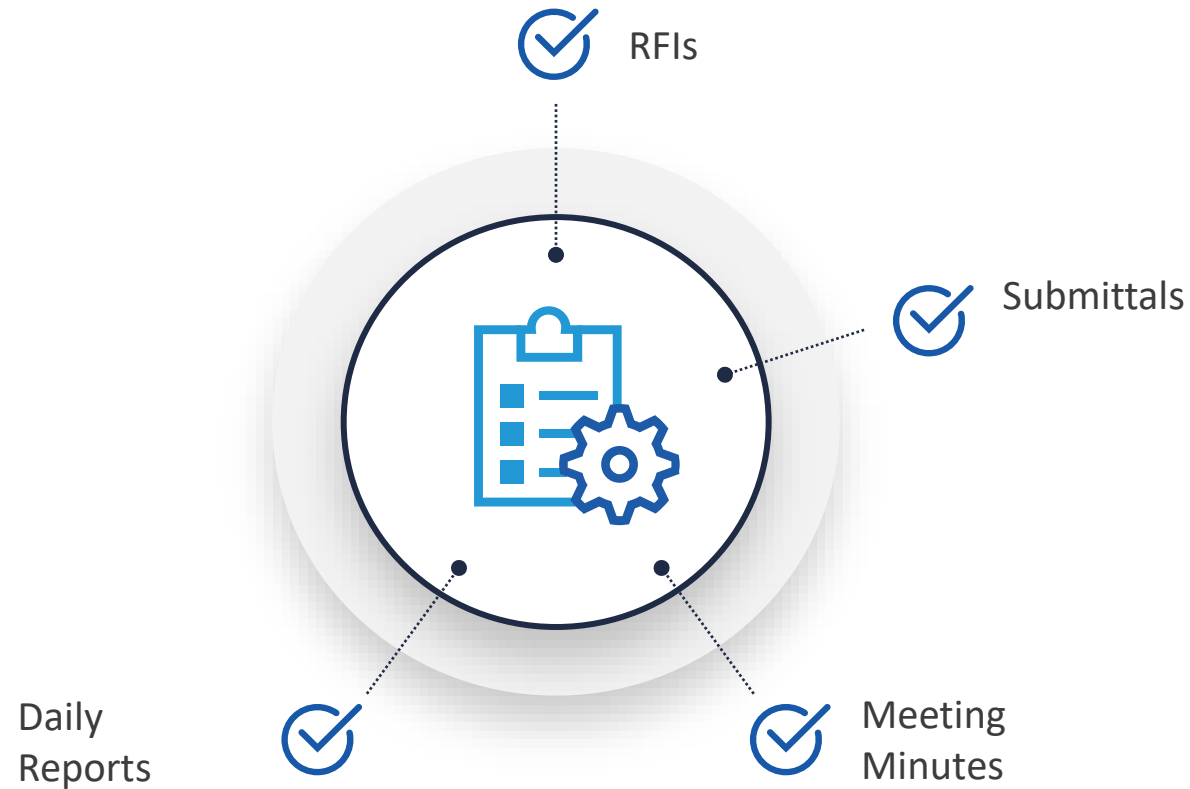
An aerial photograph of a construction site. Several workers in orange safety vests and hard hats are visible. There are stacks of wooden pallets, some with materials on them, and various construction equipment scattered across the site. The background shows a large building under construction with a concrete floor and metal framing.

Configurable Project Management

Workflows to meet your team's needs
and to keep the project on track

Configurable Project Management

Workflows to meet your team's needs and to keep the project on track



Seamlessly manage RFIs and connect them to other tasks across the project lifecycle

Configure the RFI workflow to meet your team's need

Streamline the RFI workflow and elevate an Issue to an RFI

Connect the field and office by linking multiple pushpins or markups to one or more RFIs

Connect Project Management with Cost Management by linking or creating a PCO from an RFI

Compile a robust audit trail with the RFI activity log

The screenshot displays a software interface for managing Request for Information (RFI) items. At the top, it shows the RFI ID '#7.1' and the title 'Finishing Lantai Ruang Conference 325', with a status of 'Open In Review'. A 'Submitted' box indicates it was submitted by Edwin Prakoso on Mar 4, 2022. An 'In review' box shows it is being reviewed by Walter White, with a due date of Mar 8, 2022, and a 'Submit official response' button. The 'General information' section contains the question: 'Finishing lantai ruang Conference 305 tidak didefinisikan di gambar desain.' and the suggested answer: 'Mohon konfirmasi apakah dapat menggunakan spesifikasi ruang lain atau dilengkapi dokumennya.' The status is 'Open In Review', the ball in court is 'Walter White (Datech Solutions Indonesia)', and the due date is 'Mar 8, 2022'. The location is 'Lantai 3'. The 'Additional information' section shows a priority of 'Normal', discipline of 'Interior/Finishes', and category of 'Documentation Incomplete'. The 'References' section lists a file 'Specs_Section-5_Flooring.pdf' and a sheet 'A3 For Construction | 3rd Floor Plan'. The 'Activity log' on the right shows a comment added by Edwin Prakoso on Mar 4, 2022, at 2:37 PM, stating 'Spesifikasi finishing eksisting ditambahkan sebagai referensi'. A blue arrow points from the 'Additional information' section to the 'References' section, and another blue arrow points from the 'Activity log' section to the 'Additional information' section.

RFIs > #7.1 | Finishing Lantai Ruang Conference 325 Open In Review Duplicate Export

Submitted
Edwin Prakoso
Submitted: Mar 4, 2022

In review
Reviewer: Walter White
Due: Mar 8, 2022
[Submit official response](#)

Close and distribute
Manager

General information

Question
Finishing lantai ruang Conference 305 tidak didefinisikan di gambar desain.

Suggested answer
Mohon konfirmasi apakah dapat menggunakan spesifikasi ruang lain atau dilengkapi dokumennya.

Status
Open In Review

Ball in court
W Walter White (Datech Solutions Indonesia)

Due date
Mar 8, 2022

Location
Lantai 3

Co-reviewers
Unspecified

Cost impact
Unknown

Schedule impact
No

Additional information

Priority
Normal

Discipline
Interior/Finishes

Category
Documentation Incomplete

External ID
Unspecified

Watchers
Unspecified

References (2)
[Add references](#)

Files
Specs_Section-5_Flooring.pdf

Sheets
A3
For Construction | 3rd Floor Plan

Activity log

Add a comment, use '@' to mention...

Opened

Status
Open
Waiting for Submission
→ Open
In Review

Ball in court
E Edwin Prakoso
→ W Walter White

Co-reviewers
Due date
Mar 8, 2022
→ Mar 8, 2022

Watchers
Edwin Prakoso on 3/4/2022 at 2:40 PM

Comment was added
Spesifikasi finishing eksisting ditambahkan sebagai referensi
Edwin Prakoso on 3/4/2022 at 2:37 PM

A file reference was added
Specs_Section-5_Flooring.pdf
Edwin Prakoso on 3/4/2022 at 2:37 PM

A reference was added

- Home
- Sheets
- Files
- Issues
- Forms
- Photos
- RFIs
- Submittals
- Meetings
- Progress Tracking
- Schedule
- Assets
- Reports
- Members
- Settings

Ridgeway Parkway
Parker, CO
80124 United States

Good morning, John

Here's what's happening on your project today.

Project progress

3 of 8 milestones complete
19 days left in this project

Target completion date
Oct 31, 2021

Debrief
Due in 3 days



Show milestones

Quick links

80

+ Sheets

12

+ Members

Work status

Project assigned work

5 overdue issues

1 overdue RFI

Recent activity

View all

An issue was closed
(#16) Field Evaluate Existing Culverts
Ben Wardell - yesterday at 5:38 PM

A comment was added on an issue
(#16) Field Evaluate Existing Culverts
Ben Wardell - yesterday at 5:38 PM

12 photos were uploaded

SUBMITTALS - Obtain Approval for Execution

One sides doesn't fit all. Create customize submittal responses

Ensure necessary team members have an opportunity to review by adding them as co-reviewers

Keep all critical stakeholders updated by adding them to the distribution list.

Keep submittals top of mind and track assigned and recently closed submittals in Project Home

Submittals > #6-22-4000 | Shop drawing dan spec Lavatory | Closed Approved Reopen Export

Closed and distributed
All project members can see the completed submittal.
Jan 05, 2022

Official response
Approved
Approved, bisa digunakan untuk lavatory publik
Walter White on 01/05/2022 at 13:53

General information

Description	Spec section	Status
Gambar shop drawing dan spesifikasi lavatory ruang publik	22-4000 - Plumbing Fixtures	Closed
	Spec sub section	Ball in court (Responsible contractor)
	003	Jesse Pinkman (Subcontractor)
	Type	Priority
	Shop Drawings	Normal
	Package	
	Unspecified	

Attachments (3)

	For review	Official response	
tlg08301-spec.pdf Jesse Pinkman, 01/05/2022 01:31 PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	↓
TOILET-shop drawing.pdf Jesse Pinkman, 01/05/2022 01:31 PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	↓
specsheet0356028.pdf Jesse Pinkman, 01/05/2022 01:31 PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	↓

Participants

Manager
Edwin Prakoso (Structure Inc.)

Reviewer
Walter White (Datech Solutions Indonesia)

Co-reviewers
Unspecified

Activity log

Add a comment, use '@' to mention...

- Closed and distributed**
Published Jan 05, 2022
Ball in court Edwin Prakoso → Jesse Pinkman
Status Open Reviewed → Closed
Edwin Prakoso on 1/5/2022 at 2:07 PM
- Returned to manager**
Received from reviewer Jan 05, 2022
Ball in court Walter White → Edwin Prakoso
Walter White on 1/5/2022 at 1:53 PM
- Submitted an official response**
Response Approved
Comment Approved, bisa digunakan untuk lavatory publik
Walter White on 1/5/2022 at 1:53 PM
- Returned to reviewer**
Sent to reviewer Jan 05, 2022

Gambar shop drawing dan spesifikasi lavatory ruang publik

22-4000 - Plumbing Fixtures

Spec sub section
003

Type
Shop Drawings

Required Waiting for submission

Ball in court (Responsible contractor)
J Jesse Pinkman (Subcontractor)

Submitter due date
Jan 09, 2022

Priority
Normal

A file reference was added

Specifications of Building Construction.pdf

Jesse Pinkman on 1/5/2022 at 1:31 PM


Item was created

Status	Required Waiting for submission
Spec section	22-4000 - Plumbing Fixtures
Spec sub section	003
Title	Shop drawing dan spec Lavatory
Description	Gambar shop drawing dan spesifikasi... Show more
Type	Shop Drawings
Ball in court	J Jesse Pinkman
Submitter due date	Jan 10, 2022
Priority	Normal
Required date	Jan 11, 2022

Submittals

- Meetings
- Progress Tracking
- Schedule
- Assets
- Reports
- Members

Attachments Attach from ▾



Drag and drop files here
or [attach from](#) ▾

Participants

Manager	E Edwin Prakoso (Structure Inc.)
Reviewer	Unspecified
Co-reviewers	Unspecified
Responsible contractor	J Jesse Pinkman (Subcontractor)
Watchers	Unspecified

Planning & tracking

Planning	Tracking	
Required date Jan 10, 2022	Sent to submitter Jan 05, 2022	Sent to reviewer Unspecified

References (1)

MEETING MINUTES

Make meetings effortless, productive and collaborative

Create accountability by assigning attendees to meeting items with due dates

Include all critical information and link documents, issues and other references to meeting items

Keep all information on hand with meeting minutes on mobile

Simplify communication with send email notifications to all attendees with the agenda or meeting notes

Get and keep the right people in the room and seamlessly schedule follow up meetings

The screenshot displays the Autodesk Construction Cloud interface for a project named 'Seaport Civic Center'. The main view is the 'Meetings List' for a 'Weekly OAC Construction Meeting' on '04'. The meeting discussion is organized into sections: 'Safety', 'Schedule', and 'RFIs and Submittals'. Each section contains items with due dates and assignees. A context menu is open over the 'References' option, showing options like 'Files', 'Sheets', 'RFIs', and 'Issues'. A right-hand panel shows 'References' and 'Issues' for the selected item.

- Home
- Project Status
- Changes
- Meetings
- Members
- Settings

Meetings

Meetings Items

+ Create meeting



Meeting series	Count	Date range	
> Pre-construction Meeting	1 Meeting	Nov 5, 2021	+ Follow-up
> Weekly Meeting	1 Meeting	Oct 26, 2021	+ Follow-up
> Coordination Meeting	1 Meeting	Sep 14, 2021	+ Follow-up

Showing 1-3 of 3

<< < 1 of 1 > >>

Daily Reports

Get the information you need with custom and flexible report templates

Minimize unnecessary manual work by automatically incorporating weather

Accommodate multiple crews or shifts and create multiple daily reports per day

Forms

Work Daily Report

Submitted Archive Copy Export

Form Details

Form date
Mar 8, 2022

ID
#15

Location
-

Description
Copied from Mar 8, 2022

Submitted by
Edwin Prakoso

Submitted on
Mar 8, 2022

Form edited by Edwin Prakoso

Visible to 4 reviewers

Weather

Rain: 0.93 cm Powered by Dark Sky

7:00 AM	Cloudy skies Temperature: 25°C Wind: 6kph, E Humidity: 98%	12:00 PM	Partly Cloudy Temperature: 31°C Wind: 7kph, SE Humidity: 79%	4:00 PM	Partly Cloudy Temperature: 31°C Wind: 15kph, SE Humidity: 84%
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Updated Mar 8, 2022 at 10:32 AM

1. Work Log

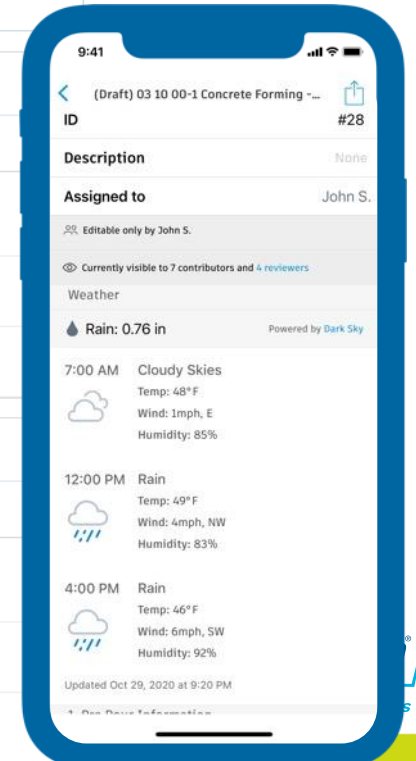
Crew	# Workers	# Total hours	Work performed
Concrete	14	98	Pekerjaan slab sisi utara
Labor	4	26	Pembersihan lapangan
Totals	18	124	

2. Materials

Material	Quantity	Unit	Comment
Concrete	50	m ³	Pengecoran slab
BJTS 12mm	7	units	Penulangan slab
BJTP 10mm	14	units	Penulangan slab

References

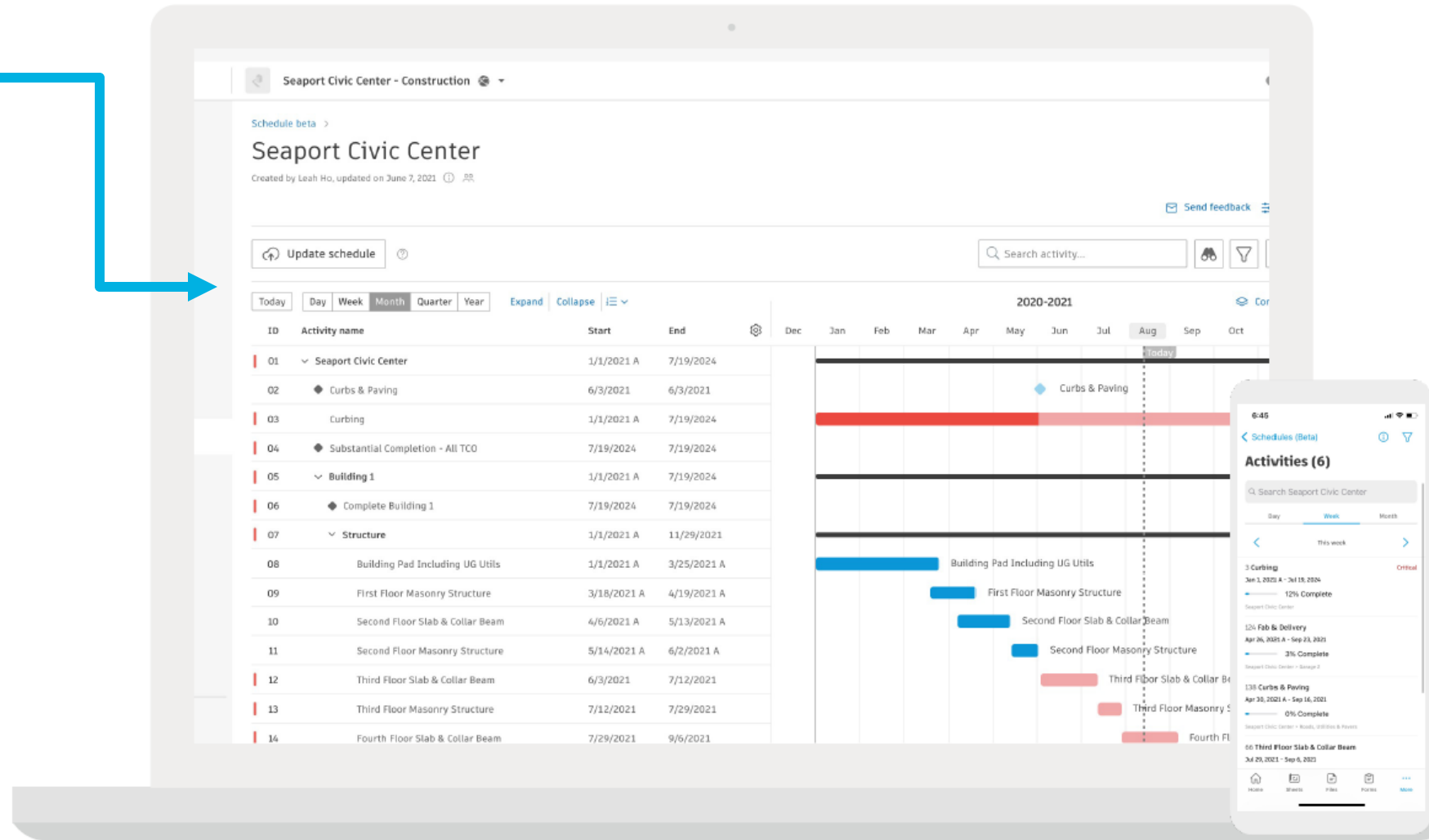
References will be shown here once they've been added.



Centralize Project Schedule Management

Easily upload the master schedule, view upcoming schedule milestones, visualize tasks and communicate updates – connecting the jobsite and headquarters, and all members of the project team, in real-time.

Connect schedule activities to critical project information in Autodesk Build, including Files, Sheets, Photos, Issues, and Assets, and integrate the project schedule with Cost Management to streamline and improve cost planning.



Progress Tracking (beta)

Tracking installation activities as a % complete or quantity of materials installed for a given location.

Progress Tracking BETA

Overview Configuration

Object type: Pilecap
Sheets: Select sheets
Track by: Percent Measurement Count

Pilecap Breakdown

Material	Percentage
Formwork	55%
Rebar	39%
Concrete	6%

Pilecap Progress

Date	Formwork (%)	Rebar (%)	Concrete (%)
Sel 4/1	0	0	0
Rab 5/1	10	10	0
Kam 6/1	55	39	6

10/1/2022 7 days

S101 (Addendum)

Progress Tracking (71)

Hide Progress Markups

- Concrete
- Rebar
- Formwork
- Formwork
- Rebar
- Rebar
- Rebar
- Rebar
- Rebar

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Pilecap

Jan 6, 2022 by Edwin Prakoso

Level 1

11:00

AUTODES

Datech Square
Entry Level
Floor Plan

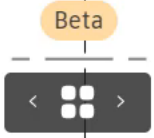
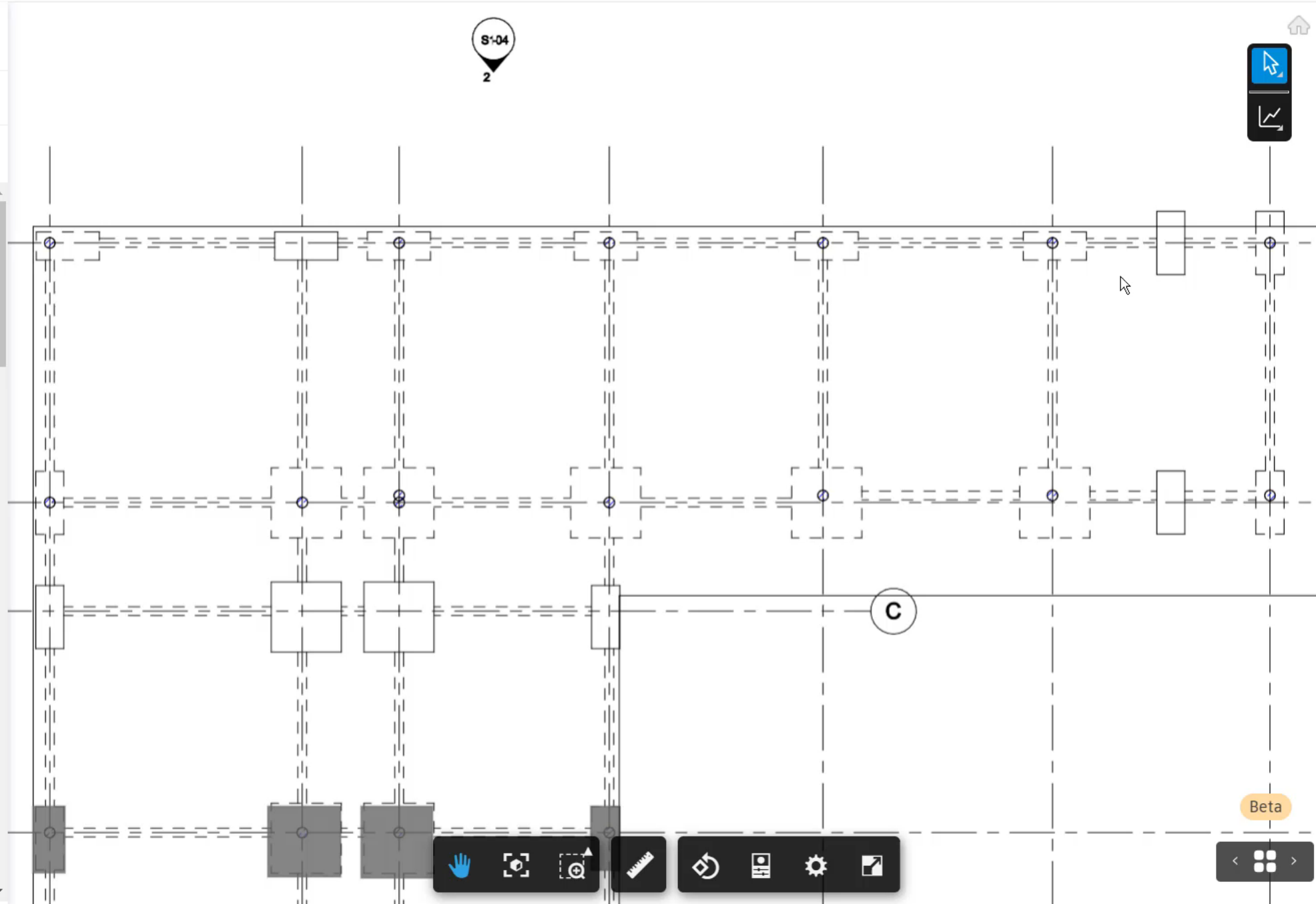
S101

Progress Tracking (51) ✕



Hide Progress Markups

- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- Pilecap N/A
- ...



An aerial photograph of a construction site, likely a large industrial or commercial building under construction. The ground is a mix of concrete and dirt. Several workers wearing high-visibility vests and hard hats are scattered across the site. There are numerous wooden pallets, some with materials on them, and various construction equipment and materials. The background shows the skeletal structure of a building with many windows. The image is overlaid with a semi-transparent blue and green gradient.

Connected Cost Management

Centralize and manage construction costs on one platform

Connected Cost Management

Centralize and manage construction costs on one platform

Budget Creation and
Contract Administration



Change Orders



Cost Forecasting



Payment Applications

BUDGET CREATION & CONTRACTS ADMINISTRATION

Create or import budgets and leverage budget templates

Create contracts with flexibility, when needed add in multiple main/prime contracts

Customize the budget view with custom calculated columns

Improve budget control and streamline the contract creation process

The screenshot displays a software interface for budget management. At the top, it shows the user '400 Beale' and the current page 'Manage columns - Budget overview'. A table of budget metrics is visible, with columns for Original Budget, Internal Budget Transfer, Approved Owner Changes, COs relative to Budget (%), Revised Budget, Pending Owner Changes, Projected Budget, Orig. Commitment, Approved Change Orders, Uncommitted Change Orders, and Pending. The 'COs relative to Budget (%)' column is highlighted in blue. Below the table, there are buttons for 'Add new', 'Duplicate', and 'Delete'. A configuration panel for the 'COs relative to Budget' column is shown, with fields for 'Column name', 'Column group' (set to 'Income'), 'Position', and 'Visibility' (checked as 'Visible by default'). A formula editor shows the calculation: $\frac{\text{Approved Owner Changes } 200.00}{\text{Original Budget } 10,000.00} = \text{COs relative to Budget } 2\%$. A blue arrow points from the text 'Customize the budget view with custom calculated columns' to the formula editor.

Original Budget	Internal Budget Transfer	Approved Owner Changes	COs relative to Budget (%)	Revised Budget	Pending Owner Changes	Projected Budget	Orig. Commitment	Approved Change Orders	Uncommitted Change Orders	Pending
10,000.00	1,000.00	200.00	2	11,200.00	400.00	11,600.00	9,000.00	300.00	0.00	

CHANGE ORDERS

Create clear accountability and streamline the change order workflows

Understand the origin of the change order by linking or create a PCO from an RFI

Keep the budget balanced and connect PCOs to the budget

Create and send Owner or Supplier Change orders

Customize workflow rules for Change Orders approvals

Change Order

Number	Name	Scope	Type	Budget Code
> P-0001	Additional Slab Openings	*** Out	Owner Change ...	
> P-0002	Revised Signage Scheme	*** Out	Owner Directive	
▼ P-0003	Revised Entrance	*** Out	Owner Change ...	
01	Glazing - Revised Entrance	*** Out		09871000880005...
02	Cladding - Revised Entrance	*** Out		098710007420005...
>	Markups (New)	***		

Revised Entrance

Generate

- RCO
- OCO
- RFQ
- SCO

Number: P-0003

Name: Revised Entrance

Description:

Main Contract: Prime Contract

Document Template:

Budget Status: Open

Cost Status: Open

Type: Owner Cha...

Schedule Change: 0 Days

PAYMENT APPLICATIONS & EXPENSES

Effortlessly create and manage payment applications

Create and manage payment applications for Owners and Suppliers

Connect payments to contracts and automatically generate payment documents

Log project expenses and seamlessly incorporate into Payment Applications

Track pending and completed payments with detailed summary tables

Incorporate approved payment applications into the overall budget summary view

The screenshot displays a software interface for managing payment applications and expenses. The main window is titled 'Budget' and shows a 'Budget Payment Application' for 'Prime Contract-PA002' covering the period 'Apr 1, 2021 - Apr 30, 2021'. The interface is divided into several sections:

- View associated costs:** A table showing various cost items with columns for General, Scheduled Value, Change Order, Revised Value, Work Completed, and Materials on Site.
- Submit application:** A button to submit the application, with a 'Submit' button below it.
- Details:** A sidebar menu with options like Owner Details, Payment Application Summary, Change Order Summary, Change Order Details, Tax, Documents, and Associated Costs.
- Cost Payment Application:** A section for adding and managing cost payment applications, including a table with columns for Name, Status, Work Completed, % ^, Aggregate by, and Materials on Site.
- Expense:** A section for adding and managing expenses, including a table with columns for Name, Status, Qty, Amount, and Aggregate by.
- Dates:** A section for tracking dates, with fields for 'Created' (1/4/2022) and 'Revised' (3/4/2022).

Number	General	Scheduled Value	Change Order	Revised Value	Work Completed	Materials on Site
PC-1-2	Prime Contract-PA002	9,964,902.00		9,964,902.00	75,450.00	0.76
> A	Pre Construction Works	300,000.00		300,000.00		
> 01 00 00	General Requirements	300,000.00		300,000.00		
> B	Main Works	9,664,902.00		9,664,902.00	75,450.00	0.78
> 00 00 00	Procurement and Contracting ...	30,000.00		30,000.00	10,000.00	33.33
> 01 00 01	General Requirements	2,452,400.00		2,452,400.00	9,200.00	0.38
> 03 00 00	Concrete	2,172,502.00		2,172,502.00	56,250.00	2.59
> 07 00 00	Thermal and Moisture Protect...	2,000,000.00		2,000,000.00		
> 08 00 00	Openings	500,000.00		500,000.00		
> 10 00 00	Specialties	10,000.00		10,000.00		
> 22 00 00	Plumbing	500,000.00		500,000.00		
> 23 00 00	Heating, Ventilating, and Air C...	1,000,000.00		1,000,000.00		
> 26 00 00	Electrical	1,000,000.00		1,000,000.00		

Name	Status	Work Completed	% ^	Aggregate by	Materials on Site
Substructure-PA002	Submit...	543,450.00	55.77	Amount	

Name	Statu ^	Qty	Amount	Aggregate by
> General Labour Crew - ...	Approved	1	10,200.00	Amount (Work Completed)

COST FORECASTING

Maintain once source of truth.
Automatically pull cost activities
into the overall budget

Stay on top of changes and
actuals by quickly making
forecast adjustments

Understand how actuals impact the
overall budget. View forecast final
costs and variances

Improve cost forecast accuracy with centralized and connected cost activities

Forecast

Cost & Time Cash Flow

Create schedule task

Task Name	Start	End	Duration (Days)
Turner Towers Construction	Feb 1, 2021	Nov 14, 2022	466
Office Building Addition	Nov 16, 2020	Nov 14, 2022	521
Design and Engineering	Nov 16, 2020	Mar 12, 2021	85
Foundation	Feb 1, 2021	Jun 7, 2021	91
Structure	Jun 7, 2021	Jul 27, 2022	298
Mechanical/Electrical S...	Nov 8, 2021	Nov 10, 2022	264
Exterior Finishes	Feb 14, 2022	Aug 19, 2022	135
Interior Finishes	Jun 13, 2022	Nov 14, 2022	111

Budget Code	Budget Name	Schedule Task
100.007200.0MAT	Office Supplies	
100.007200.2GEN	Sundry Materials	
100.011100.3LAB	General Labour Crew	Turner Towers Constructi...
100.012100.0INT	Contingency	Turner Towers Constructi...
100.012100.1INT	Fee	Turner Towers Constructi...
100.013000.1GEN	Printing	Turner Towers Constructi...
100.013100.0INT	Design Manager	Design and Engineering
100.013100.1INT	Project Executive	Office Building Addition
100.013100.2INT	Project Manager	Office Building Addition
100.013100.3INT	Superintendent - Substructure	Foundation
100.013100.4INT	Superintendent - Superstruct...	Structure
100.013100.5INT	Superintendent - MEP	Mechanical/Electrical Sys
100.013100.6INT	Superintendent - Envelope	Exterior Finishes
100.013100.7INT	Project Engineer	Turner Towers Constructi...
100.015000.0SUB	Demolition	Design and Engineering
100.015000.1SIR	Enshlement	Design and Engineering

General Labour Crew Budget

Name	Qty	Unit	Unit Cost	Total
				19,400.00
General Labour Crew...	4	wk	2,300.00	9,200.00
General Labour Crew...	4	wk	2,550.00	10,200.00

Forecast Adjustments

Description	Qty	Unit	Unit Cost	Total
				14,560.00
New adjustment	83.2	ea	175.00	14,560.00

Forecast Distribution

Amount % Per period

By period

Oct 2021
 Revised Budget: 9,120.00
 Actual Cost: 9,200.00
 Forecast Revised Budget: 82,080.00
 Cumulative Actual Cost: 19,400.00
 Cumulative Forecast Final Cost: 88,036.36

	Revised Budget	Work Completed	Actual Cost	Forecast Final Cost
Actual Total	206,640.00	9,200.00	19,400.00	221,200.00
Distribution Total	206,640.00	9,200.00	19,400.00	221,200.00

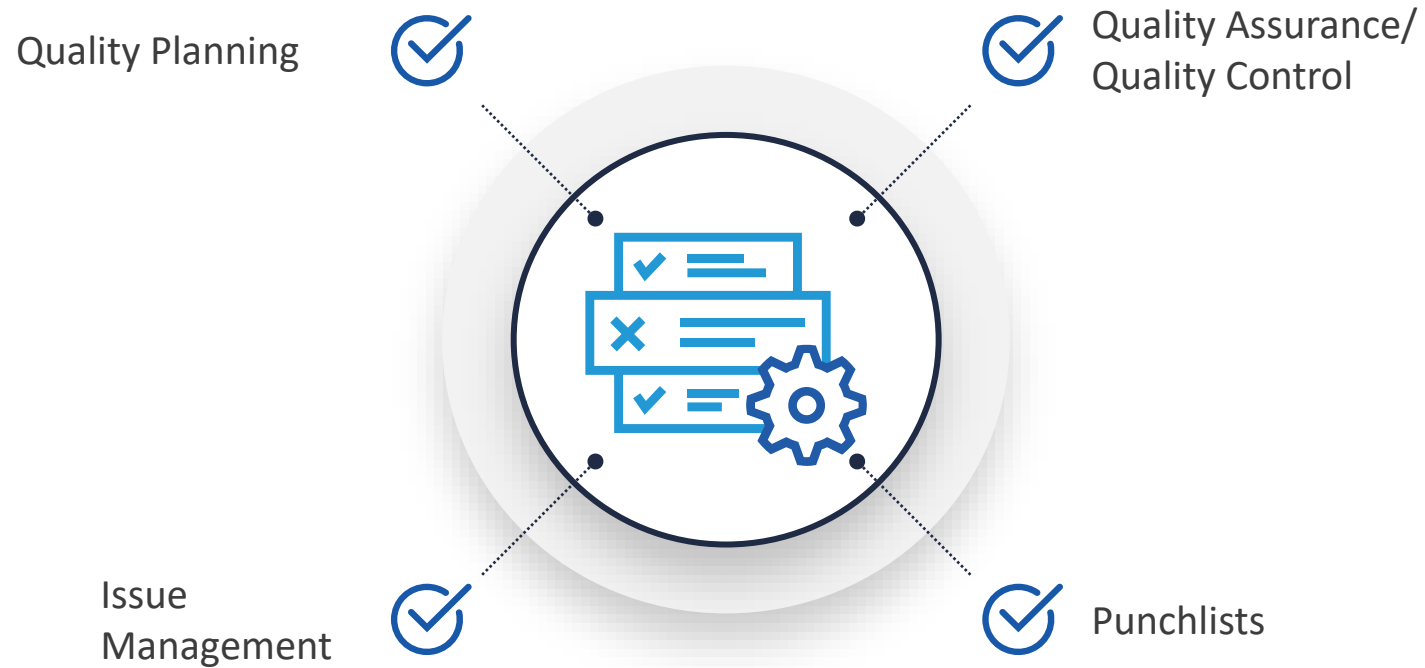
An aerial photograph of a construction site, likely a rooftop or a large indoor space. Several workers wearing hard hats and high-visibility vests are visible. There are stacks of wooden pallets, some with materials on them, and various construction equipment scattered around. The background shows a concrete structure with vertical rebar. The image is overlaid with a semi-transparent blue and green gradient.

Proactive Quality Management

Manage quality from any device, anywhere

Proactive Quality Management

Manage quality from any device, anywhere



QUALITY ASSURANCE / QUALITY CONTROL

Resolve issues faster and reduce rework with digital quality checklists

Log issues and assign owners for faster issue resolution

Track the status of assigned issues through final inspection

Add photos or comments to identify and resolve common problems

The image displays a digital quality checklist interface. The desktop view shows a checklist for '03 10 00-1 Concrete Forming - Pre Pour Checklist'. The interface includes a sidebar with navigation icons, a 'Form Details' section with fields for 'Form date' (10/21/2020), 'ID' (#25), and 'Description'. A 'Weather' section shows current conditions: Rain: 0.04 inches, 7:00 AM Rainy (58°F, 8mph SW wind, 96% humidity), and 12:00 PM Cloudy skies (59°F, 4mph W wind, 96% humidity). The checklist has two main sections: '1. Pre Pour Information' with item '1.1 Location of Pour' and '2. Forms and Accessories' with items '2.1 Verify location, dimensions and grades are as required.' and '2.2 Verify formwork materials are as specified. Verify formwork is properly sealed, oiled or wetted and treatment is compatible with other materials to be applied.' The mobile phone view shows the same checklist with a 'Submit' button and a 'Note' section containing a photo of a construction site.

An aerial photograph of a construction site. Several workers wearing hard hats and high-visibility vests are visible. There are stacks of wooden pallets, some with materials on them, and various construction equipment scattered across the site. The background shows a building under construction with a concrete floor and metal framing.

Robust Safety Management

Engage everyone in site safety

Robust Safety Management

Engage everyone in site safety



SAFETY INSPECTIONS

Create safety checklists from scratch or import PDF forms

Leverage automatic issue creation for nonconforming checklist items

Log issues and assign owners for faster safety issue resolution

Add photos or comments to identify and resolve common problems

Improve safety onsite through mobile safety inspections

The screenshot shows a web interface for a 'Daily Safety Inspection Checklist'. On the left is a navigation menu with options: Home, Sheets, Documents, Issues, Forms (highlighted), Photos, RFIs, Submittals, Meetings, Progress Tracking, Team, and Settings. The main content area is titled '400 Beale' and 'Forms > Safety Daily Safety Inspection Checklist'. It includes a 'Form Details' section with fields for Form date (Oct 9, 2020), ID (#19), Description (-), Submitted by (Leah Ho), and Submitted on (Oct 9, 2020). Below this is a 'References' section with two photo thumbnails: 'Construction-016' (dated August 28, 2019 4:14 PM) and 'Construction-002' (dated August 28, 2019 3:33 PM). The form is divided into sections: '1. Project Information' with fields for Project Name (Seaport Civic Center), Project # (16543), and Company (-); and '2. Employee Observation / PPE' with sub-sections for '2.1 Hard Hats' (Satisfactory selected) and '2.2 Eye / Face Protection' (Satisfactory selected).

The screenshot shows a mobile version of the safety inspection checklist. At the top, it says '(Draft) Covid 19 checkli...' and 'SUBMIT'. Below are icons for copy, delete, and share. The 'Form Details' section includes fields for Date (Jan 5, 2022), ID (#12), and Location (Select a location). There is a 'Description' field and a note: 'Editable only by Edwin Prakoso'. A notification icon indicates 'Once submitted, your report will be sent to 1 reviewer'. The '1. General' section includes a question '1.1 Total number of workers on the jobsite' with an 'Enter Response' field.

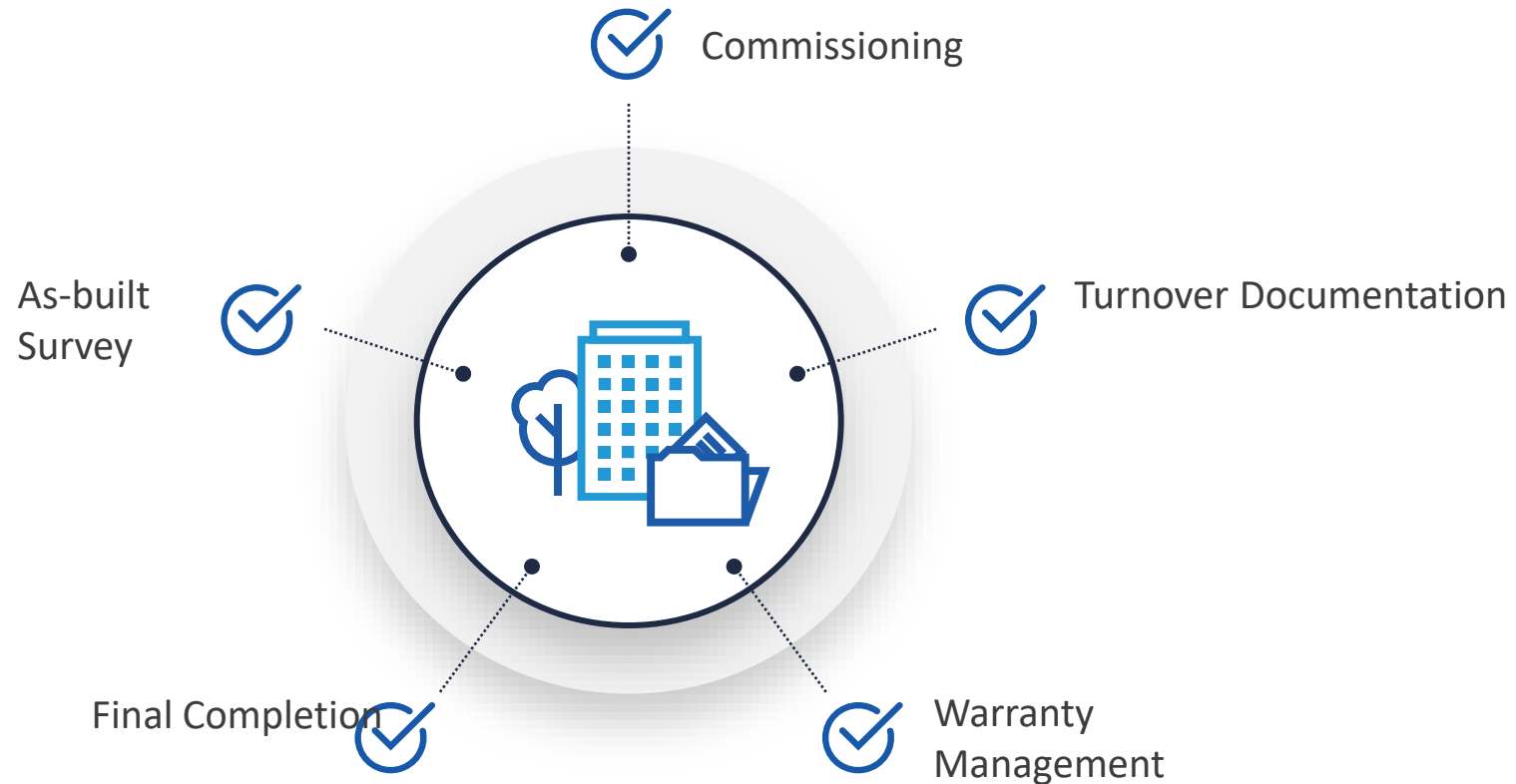
An aerial photograph of a construction site, likely a rooftop or a large indoor space. Several workers wearing hard hats and safety vests are visible, some standing in groups and others working. The floor is covered with various construction materials, including wooden pallets, beams, and bags of cement. The background shows a concrete wall with vertical rebar. The image is overlaid with a semi-transparent blue and green gradient.

Simplified Project Closeout

Simplify the closeout process and finish strong

Simplified Project Closeout

Simplify the closeout process and finish strong



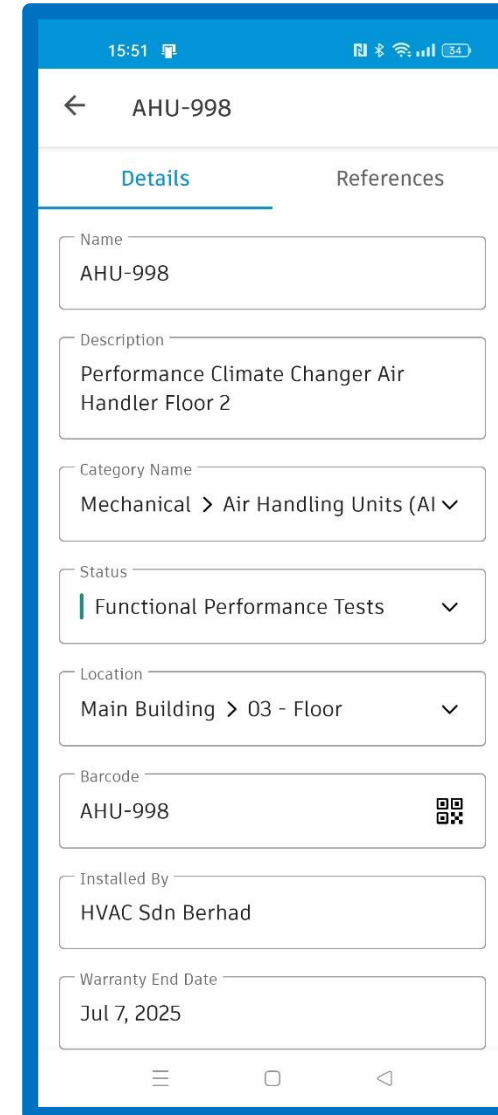
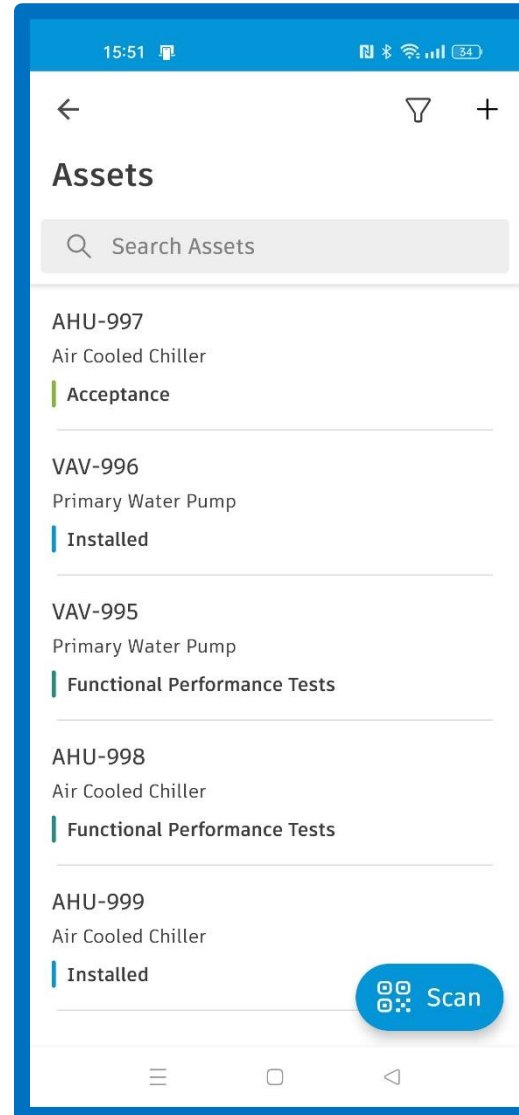
COMMISSIONING

Reduce the amount of heavy lifting to close out a project successfully

Deliver efficient and organized project closeout documentation to satisfy clients' needs

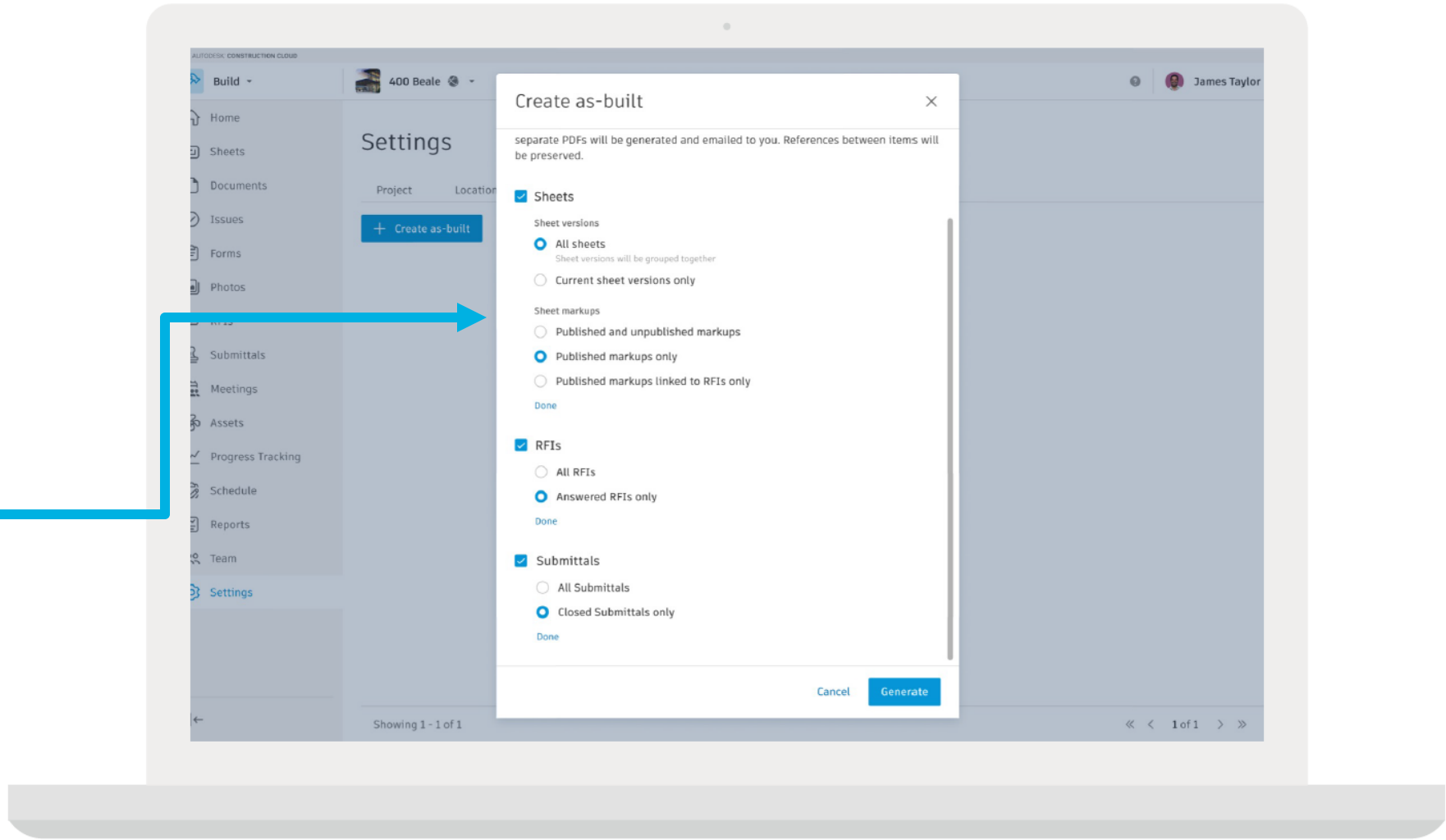
Access asset data from the field during commissioning

Reduce building maintenance risks and quickly resolve asset defects




Extract as Built Documents

With the elimination of manual processes used in the past, this feature not only speeds up the handover process, but it also improves the accuracy of handover documentation and increases overall client satisfaction.



Connect field and project management workflows

Autodesk Build delivers a broad, deep and connected set of field execution and project management tools for builders in a single software platform that is easy to deploy, adopt and use.





Q&A



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Datech solutions