

Select filter view:









DESIGN TYPE



2D DRAWINGS







3D MODEL







PACKAGE



DOCS





DESIGN







COORDINATE





BUILD





*Cost Management is an add on module to the BIM 360 Build package

OPS





PROJECT ROLE



DESIGNERS







VDC / BIM TEAMS





PRECON TEAMS





PROJECT MANAGERS







FIELD / SITE TEAMS







EXECUTIVES







SUBCONTRACTORS





OWNERS





DETAILS



Project Setup

Customize project set up with easy to use account Admin settings.

- Manage members and companies
- Setup business units
- View statistics on account usage
- Add integrations
- Create projects and add services and Admin privileges by user
- Customize approval workflows including Document Approval, RFI and Submittals
- Set permission levels for each module by individual, role or company

B AUTODESK [®] BIM 360 [°] United Construction •								
Account Admin	ECTS MEMBERS							
Project Directory	_							
The Project Directory lists all projects in your account.		Create Pr Step 1 of 2	oject Profile					
108 Current Projects View Archived		* Project Name				Project Image		
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North Gate Family Homes		* Project Type	-t Type			<	(4MB max) Browse	e to upload 5, or BMP file Postal Co
Old Parkland								
Pacific Center Campus		Construction T	Гуре			Project Address Address Line 1		
Pacific Center - Photo		Project Value				Address Line 2		
Parkside Towers				USD	•	City		Postal Co
Pleasant Court Building		Contract Type				State/Province		
Port of SF		* Project Start D	Date * Pro	ject End Date		Project Time Zone	e	
Preview Guide Project						(GMT-05:00) Eas	stern Time (U	S & Canada
Project Home April 2018 Release		Project Job Nu	umber			* BIM 360 Field Pro	oject Langua	ge
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. 📹 Shoreline Park		3		1			Active	
Small Medical Office		2		2			Active	



Teams Setup

Set up teams to collaborate within one company or across multiple companies.

- Add teams and assign a team color
 - A "Shared Folder" is created so the teams can see each other's work.
 - A "Consumed Folder" is created so teams can accept design data from other teams to use and incorporate.
- Invite members to each team and define permission levels
- Define a master model to derive details for levels and phases in the project and to navigate the hypermodel
- Schedule a regular, automated publish of the team's work in Revit as a package in the Design Collaboration module.

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B AUTODESK BIM 360 T	S Construction > Autodesk Office Building • MEMBERS COMPANIES	SERVICES PROFILE
Overview Issues Locations	Teams Manage Models Add Team Manage team memi	bers Schedule publish Deactivate team
Document Management Project Management	The default location for newly added tea Team	ms is /Project Files Path
Cost Management	Architecture	/Project Files/_Rade Architects
Design Collaboration Model Coordination	Electrical	/Project Files/_Lighting Electrical /Project Files/_HD Mechanical
Field Management	Plumbing	/Project Files/_HD Plumbing
	Structural	/Project Files/_Structures INC

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Revit Cloud Worksharing & Publish to BIM 360

Connect your teams to collaborate real-time on Revit models with anyone, anytime, anywhere, even outside a firewall. Publish to the team's folder in BIM 360.

- Open or create a model in Revit
- Initiate collaboration in BIM 360 to make changes concurrently with the Revit Cloud Worksharing service, available with BIM 360 Design
- Synchronize with the central model to save changes to the cloud model
- Select views and sheets to share with other teams, then publish the latest version of the model or all project models to BIM 360

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🗄 🗪 Revit Links								Elevati	on: Elevatio	on 5 - a
						How to s	elect	views/sł	neets to pu	blish to the



Authoring Tool Integration

View native AEC design files without needing the authoring software.

- Share models and drawings from Revit, Formit, AutoCAD, Navisworks, and more with the extended team
- Revit users:
 - Compare changes to 2D sheets and 3D models from Revit as new versions are published
 - Use split-view mode with overlay of 3D model on 2D sheets to simultaneously review and markup both
 - Enable extended team members to share comments and create design issues in the same platform, even without access to Revit
- Infraworks users:
 - Create concepts and connect to BIM 360 to view and update files
 - Enable team members to markup and collaborate on 2D or 3D design documents



Curate & Share Package

Manage how design work published by a team in Revit is exchanged with other multidiscipline design teams in the project

- Create a package containing Revit models, views, and sheets to share with other teams
- Curate the contents of the package to share a reviewed or approved frozen version of the team's work while team members continue ongoing modifications
- Explore incoming packages from other teams, using change analysis features to better understand incoming changes

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	100% SD			22	2		
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U i i i jour projecti							1000

Change Analysis to Ongoing Design Work

Quickly review changes from one revision to the next to understand how incoming design information might affect ongoing work.

- Clearly compare versions side-by-side
- Visually displays Added, Removed and Modified items
- Filter or search files
- Export changes to CSV
- Use contextualized viewing and navigation between 2D sheets and 3D views in the aggregated model to better understand changes.



Review, Markups & Issues

Provide early feedback by creating and sharing 2D & 3D markups

- Upload and share initial design concepts with extended stakeholders and other team members
- Easily navigate between and within models
- Instantly add comments and markups (available in Document Management module)
- Create and assign design related issues by version, for public or private viewing
- Add hyperlinks and show / hide layers
- Access on both desktop and mobile



Consume Package

Bring another team's package into your environment, not to own it or take responsibility for it, but to see it combined together with your work and with all other teams' work.

- See the latest model from that team in the aggregate Project Model.
- Revit links to the other team's Revit model in the Document Management Consumed folder will be auto-updated.
- Use change analysis features to clearly understand the other team's package
- When your team is ready absorb the • new changes, click "Consume" to bring the deliverables into your team space.

Design Collaboration			
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ckage description	Package content		
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	Sets	Sheets	3D views
	Set 1 - 3D Views	0	4
	Set 3 - Ground Floor	2	1

Publish Document Sets

Extract document sets from design files and automate publishing.

- Upload documents, add template title blocks, review and publish documents in a single workflow in Document Management module. (Must use Revit Cloud Worksharing for Design Collaboration)
- Multi-page PDF's can be broken apart into individual sheets
- Restrict visibility and share only desired 2D sheets or 3D views
- Custom title block automation
- Upload both linked and non-linked design files
- Add document versions to a set then publish, or publish to an existing set

Document Managem	ent FOLDERS PF	HOTOS REVIEWS	TRANSMITTALS	ISSUES					
View by									⑦ Don't see your document
Folders Sets	Name A	Title	Set	Version	Last updated	Updated by	Path	Description	
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	🔲 🔊 A055 - LEVEL 5 SLAB P		Addendum 7	V6	Jan 11, 2019 2:32 PM	Steve Edmunds	Plans/Pacific Center	PacificCenter_AY_Arch.rvt	6

Clash Detection

Avoid clashes through improved collaboration with all project stakeholders.

- Automatically view clashes between models for every trade
- Filters and groups clashes to view on a grid by relevant models
- Open clashes by trade affected
- Easily review clashes without waiting for coordination meetings
- Flag clashes as "issues" or specify as "not an issue"

AUTODESK' BIM 360' United Constru	ction > Pacific Center Campus +					ତ 嵠
🖩 Model Coordination						
Active Closed						WIP Coordination VIP Coordination VIP Coordination
6 models (41 hidden) 🔹 🖸	Level 2 X					
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3D - Level 2_PacificCenter_AY_Elec.rvt 113 clash groups			6	8		107
3D - Level 2_PacificCenter_AY_Fire.rvt 824 clash groups			13	453	206	303
3D - Level 2_PacificCenter_AY_Plmg.rvt 652 clash groups	15	8		218	57	488
3D Level 2_PacificCenter_AY_Mech.rvt 1497 clash groups	9	562	169		119	903
3D Level 2_PacificCenter_AY_Struct.rvt 156 clash groups		72	8	15		109
CR - Level 2 Axo_PacificCenter_AY_Arch.rvt 401 clash groups	82	154	90	155	167	

Trade Coordination

Organize and compare models from multiple entities.

- Cloud based storage for integrated teams
- Easily grant view-based permissions based on role or company
- Filter and run specific clashes by trade



Round Trip Coordination

Desktop to cloud model merging, versioning, and clash resolution.

- Authoring tool integration to upload directly to Glue
- Navisworks integration
- Easily leverage robust functionalities in Navisworks with automated collaboration and communication tools in BIM 360

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				09:26:26 David Sanchez	
			Autodesk_Hospi	ital_Architectural_2	Au
			335	Version 1 29 August 2014 10-5714	



Constructability Reviews

Accelerate constructability reviews and quickly identify and resolve costly issues.

- Review and annotate models
- Send notifications to project team
- Respond to markups
- Conduct constructability reviews on the jobsite or in the office



P	roperties		
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÷	Mechanical		
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	FLOW	2400 ft ³ /minute	
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Cost Management*

A complete and connected solution for managing all cost related construction activities.

- Flexible and customizable budget structures
- Detailed budget cost items & contracts
- Upstream and downstream change order processes
- Security via user-, role-, or companybased permission levels
- Customizable viewing options with dashboards to display multiple types of data and charts

*Cost Management is an add on module to the BIM 360 Build package

AUTODESK B	IM 360° Un	ited Construction $ ightarrow$ F	acific Center Campu	s •							?
≣ Cost N	lanage	ement	BUDGET C	ONTRACT	PAYMEN	IT COST ITE	M PC	CO RFQ	RCO	0C0	SCO
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001.012100.1	FEE	Fees/Legal/Insuran	Fees/Legal/Insuran	193,633.00	-	782.80	194,415.80	433.63	194,849.43	193,633.00	
001.012100.2	FEE	Solicitors Fees	Solicitors Fees	183,326.00	-	-	183,326.00	-	183,326.00	183,326.00	
001.012100.3	FEE	Bill Preparation	Bill Preparation	73,330.40	-	-	73,330.40	-	73,330.40	73,330.40	
001.012100.4	FEE	Testing and QA	Testing and QA	18,332.60	-	-	18,332.60	-	18,332.60	18,332.60	
001.012900.0	INT	Risk Contingency	Risk Contingency	4,015,409	-	1,140.00	4,016,549	631.50	4,017,181	4,015,409.54	
001.012900.1	INT	OH&P	Fee	3,686,227	-	1,679.76	3,687,907	930.50	3,688,837	3,686,227.55	
001.013000.0	GEN	3D Printing	Printing	86,529.87	-	0.00	86,529.87	0.00	86,529.87	86,529.87	
001.013100.0	INT	Site Management S	Site Management S	5,590,416	-	-	5,590,416	-	5,590,416	5,590,416.37	
001.013100.1	INT	Post Construction S	Post Construction S	159,671.45	-	0.00	159,671.45	0.00	159,671.45	159,671.45	
001.013500.0	FEE	Architects	Architects	3,060,719	-	0.00	3,060,719	0.00	3,060,719	3,060,719.23	
001.013500.1	FEE	Consulting Enginee	Consulting Enginee	3,164,936	-	-	3,164,936	-	3,164,936	3,164,936.40	
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Document Approval

Easily allow multiple parties to sign off on construction drawings or models.

- Ability to customize multi-step approval workflow, assign reviewers and get notifications of tasks
- Set approvals by individuals, companies, or roles
- Package multiple drawings and publish as Sets to be reviewed all at once

B	AUTODESK' BIM 360' United Construction > Pa	cific Center Campus 🔸				
	Document Manageme	nt folders	PHOTOS	REVIEWS	ISSUES	
Review	vs > Review detail					
OPEN) #13 - Final Review ⁽⁾ Due date	e: Nov 16, 2018				
					Your action is required	Submit review 💌
	Name ^	Title			Version	Markup
	S1-1 - FOUNDATION PLAN				V2	
	Add a comment 🧭					
	S1-2 - BASE BID ROOF FRAMING PLAN				V2	1
	Steve Edmunds: Notes on sheet do not correspon	d /				
	S1-3 ALT - ALTERNATE DRAWINGS				V2	
	Add a comment 🧪					
	S2-1 - FOUNDATION SECTIONS AND DETAILS				V2	
	Add a comment 🥖					
	S2-2 - SECTIONS & DETAILS				V2	1
	Ben Johnson: Reviewed see markup. Add a comment 🖌					
	S2-3 - SECTIONS & DETAILS				V2	
	Add a comment					

		o 🍥
		S4 Issued for Construction Approval
Approval status * Required field		PROGRESS
Approved	•	Initiator David Sanchez Nov 13, 10:45am
	•	Reviewer Initial Review Ben Johnson Nov 13, 12:15pm Submitted to Approver Beniswer des comments
Approved	*	Approver Final Review Steve Edmunds
Approved	•	1
€ Approved w/ comments	•	
Approved	•	
		. 0

Mobile Access in the Field

Mobile accessibility on iOS and Android as well as offline and sync functionality.

- Access files both in the office and field
- Offline viewing capabilities
- Instant information updates



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RFI's

Streamline RFI process and track progress across a centralized platform.

- Easily export data
- Sort and filter by columns and statuses
- Assign to team members by individuals, roles, or companies
- Create RFI's from 2D drawings, 3D model, or through RFI log tab



Submittals

Share submittal packages across the entire team and easily view statuses.

- Search, sort and track all submittals
- Add submittals items to different packages
- Attach documentation for approval
- Assign to team members by individuals, roles, or companies

		DESK' BIM 360					
	⊞ Pro	oject M	lanagei	nent	RFIs SUBMITTALS		OPEN
Pa	ackage log	> Submittal p	oackage			Submittal Iten #109-096815	
0	PEN	096815-00	1 Carpet	Package 🗸		OVERVIEW DETAILS ATTACHMENTS ACTIVITY	
						CARPET - Manufacturers Instructions 🖌	
	Status	# ~	Spec	Rev	Title	Manufacturers Instructions: - a. Submit manufacturers installation procedures that shall be basis for accepting or rejecting actual installation procedures.	
l	OPEN	109	096815	0	CARPET - Manufacturers Instruc	b. In addition to installation methods and guidelines, manufacturers information shall include storage and handling requirements and recommendations, preparation, site care, and cleaning and maintenance	
l	OPEN	108	096815	0	CARPET - Reports	instructions and recommendations. c. Maintain one copy of manufacturers instructions on-site.	
	OPEN	104	096815	0	CARPET - Shop Drawings		
					<	Details Assigned to Reviewer Spec section Laurie Spitler [United Construction] 096815 - CARPET Co-Reviewers • Package Unassigned 096815-001 Carpet Package Due date Unspecified	viev
						Official response Laurie Spitler Official response Approved Approved Official response attachments	Oct 9, 12:25



Quality & Punchlist

Create quality checklists and assign issues to get insights into root cause and improve quality control.

- Easily create quality, commissioning or punch list checklists from templates or from scratch
- Search, sort and track quality inspection checklist completion
- Search, sort, track and export all Issues created
- Tag root causes to see where to focus attention
- View quality specific analytics and reports

	File Edit	2 Pile Driving - Drilled Cast-I View Window Help	In-Place Piles.pdf - Adol
III Field Management	EMPLATES CHECKLISTS ISSUES DAILY LOGS	Tools Submi	itt 256_Lo.
< COMPLETED Piles & Pile Driving - Drill	d Cast-In-Place Piles /	ዮ 🖶 🖂 😔	(⊕ ⊕
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0	Assigned To Steve Edmunds /	Checklist	Piles & Pile I Piles
	1.1 Check diameters and depth. ② Pass > Fail NA	COMPLETED	TYPE Quality
	1.2 Drilled vertically?	Description Location Creator	Checklist to be comple Project > Level 1 Steve Edmunds
	 1.3 Does the soil generated from drilling agree with the logs of the boring Plans (report differences to the Design Engineer). Yes No NA 	Section Assignees SECTIONS 1 1/1	Steve Edmunds Unite ITEMS ISSUES 10/10 1
	1.4 Is casing being used in unstable soil (pulled during concrete placeme Image: Operating the solution of the so	1. Piles & Pile D	Driving - Drilled Ca
	1.5 Check hole for loose soil and water with mirror or light (removed befo	1.1 Check diame	eters and depth.
	concrete).	1.2 Drilled vertic	cally?
		1.3 Does the soi to the Design	il generated from drillin n Engineer).
	#257 Check hole for loose soil and water with mirror or light (remove	1.4 Is casing bei	ing used in unstable soi
		1.5 Check hole to PASS	for loose soil and wate
	1.6 Is reinforcing steel centered in hole and oriented vertically?		Due for Jan 16, 2019



Safety Management

Reinforce Safety programs with routine inspections and customizable checklists.

- Easily create safety checklists from templates or from scratch
- Search, sort and track checklist completion
- Document and share safety materials
- Search, sort, track and export all safety Issues
- Tag root causes to see where to focus attention
- Gain insights into safety specific analytics and reports

	TEMPLATES CHECKLISTS		OPE
COMPLETED OSHA 3257-12R-05 - F	ALL PROTECTION 😕	#256	
	▼ 1 OSHA 3257-12R-05 - FALL	DETAILS ATTACHMENTS ACTIVIT	ΓY
	1.1 Identify all potential tripp Image: Open state of the stateo	Look for fall hazardssuch as unprotected floor openings/edges stairwells, an	i, shafts, skylights
	1.2 Look for fall hazardssuch a stairwells, and roof openir	Created by Steve Edmunds (United Construction) on Jan 16, 2019	
	🔵 Pass 🙁 Fail (Assigned to Type Q bearch assignees Safety	
		User Sub-type Allan Chalmers Safety Infraction	n /
	#256 Look for fall hazard	Anyssa Scheef Owner United Construction Steve Edmunds Amin Ahmed	. /
		Anat Binyamin Fall Protection	/
	1.3 Inspect fall protection equ	Andrew Mayo-Smith United Construction	
	Pass () Fail (Andrew Wood United Construction	
	 Select, wear, and use fall p Pass Fall (Continue mesh attached to fence around roof edge 🖌	
	1.5 Secure and stabilize all lac	Unspecified /	
	🕑 Pass 🔵 Fail 🤇	Photos	
	1.6 Never stand on the top rur Pass Fail (



Project Level Reporting

Leverage project data and machine learning tools to prioritize daily work and mitigate risk.

- Personalized Project Home screen with customizable views from Card Library
- Insights tab shows Dashboards on Quality, Safety and Project Controls
- Filter based on Status, Location, Type, Assignee, Created By, Root Cause or dates
- Reports exportable in CSV and PDF formats



		G JF
		United Construction
		🏟 Customize
		¢
	Туре	Due Date
ged	Design	Apr 3, 2018
ec	Design	Apr 14, 2018
ation	Design	May 16, 2018
epth of recess	Design	May 16, 2018
	Design	May 19, 2018
all (200)		

	Location	Scheduled
		May 31, 2018
		May 31, 2018
in		May 31, 2018
in		May 31, 2018
n		May 31, 2018

Performance Analytics

Company-wide insights on overall organizational performance and prediction tools to improve future projects to drive business decisions.

- Insights tab gives high level visibility into multiple projects within an organization
- Machine learning and AI functionalities analyzes quantitative and qualitative data to identify project risks and predict failures to get ahead of problems

AUTODESK' BIM 360"	United Co	nstruction -	
≡ Insight	RISK	QUALITY	SAFETY
United Construction	Un	ited Co	nstruction
Quality Risk Overview	1		Locations
39 Active project	ts		Canada Hudson Bay
8 High3 Medium	● 12 Lo ○ 16 N	ow o Data	AB MB BC SK ON OC
View Pr	roject Risk	Trend	
			OR ID WY SD WI MI NO PA
Project Risk			AZ NM Q AR TN NC TX LA SC
Bayfront Arena Castle Medical Center		High —	Mexico Guif of Mexico Cuba
Center of Excellence		High -	Guatemala Caribbean Sea



Commissioning Data

Collect and aggregate all commissioning data and equipment lists.

- Data can be exported to PDF, Excel, Navisworks and Revit
- Save files in BIM 360 for wider access
- Connect equipment information (O&M) to the actual objects within the models or plans

	ack to Equipment	Checklists Sues Tasks Attachments Comments Mistory
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Building Maintenance

BIM 360 Ops benefits both general contractors and owners with streamlined handover.

- Mobile-first maintenance management solution with mobile and web clients
- Improves the handover experience by delivering building operations data in a way that makes it immediately actionable and contextually relevant
- Enables owners to begin operations on day one with a turnkey maintenance and asset management solution







Additional Resources

BIM 360 Workflow Guides

- > BIM 360 Constructability
- > BIM 360 Coordination
- > BIM 360 Cost Management
- > BIM 360 Document Management
- > BIM 360 Prediction Analysis
- > BIM 360 Project Management
- > BIM 360 Quality
- > BIM 360 Safety



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