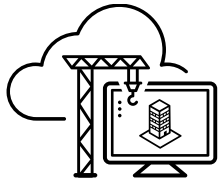


DIGITAL
CONSTRUCTION
SUMMER SCHOOL

Autodesk Takeoff





DIGITAL
CONSTRUCTION
SUMMER SCHOOL



Mark Petrucci

Sr. Construction Technologist

Applied Software Technology, Inc.

- Civil Engineer, 30 years in the AEC Industry
- Autodesk Certified Instructor
- Technology User → Manager → Consultant
- Autodesk Construction Cloud Elite Partner

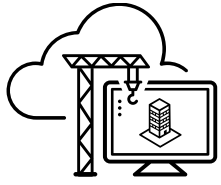


DIGITAL
CONSTRUCTION

SUMMER SCHOOL

AGENDA





AGENDA

- What is Autodesk Takeoff
- Project Setup
 - Classification Systems
 - Sheets and Models
 - Packages
- Takeoff Viewer
- Takeoff(Hands On)
 - Create Package and Takeoff Type
 - Takeoff Sheets – Walls, Doors, Flooring
 - Takeoff Model – Concrete
- Inventory and Reporting
- Q&A

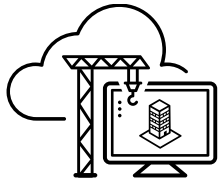


DIGITAL
CONSTRUCTION

SUMMER SCHOOL

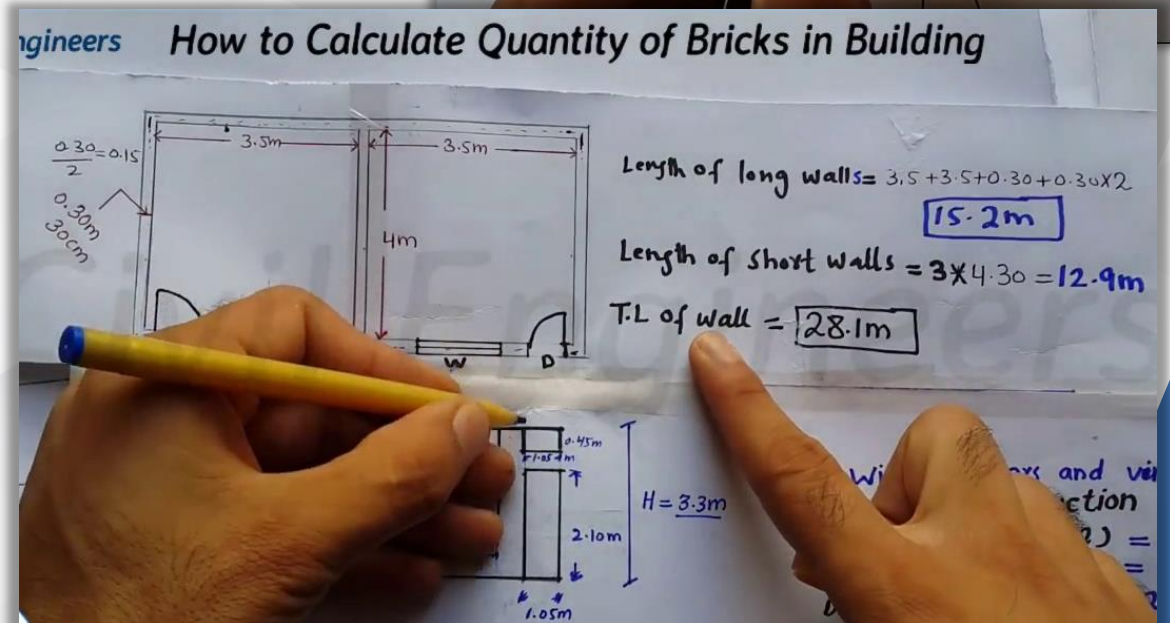
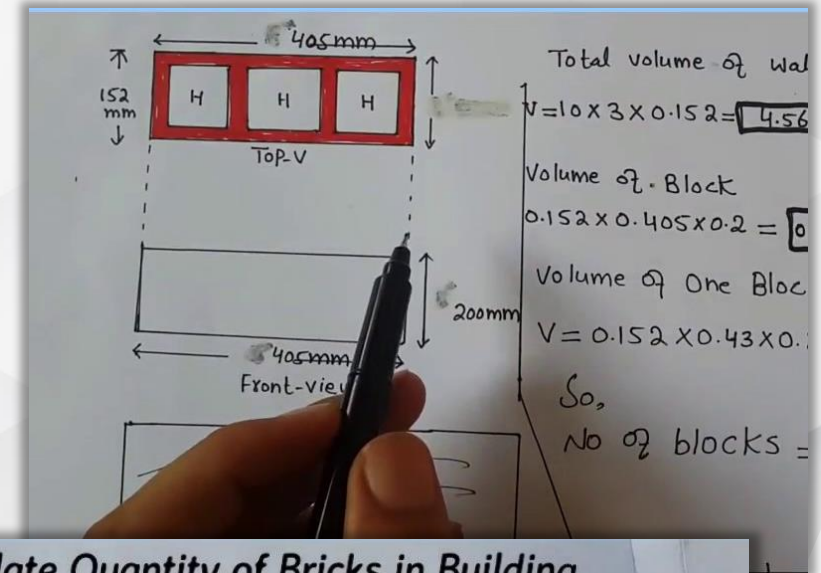
Autodesk Takeoff

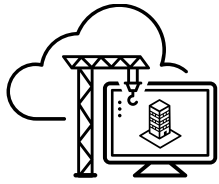




Definitions

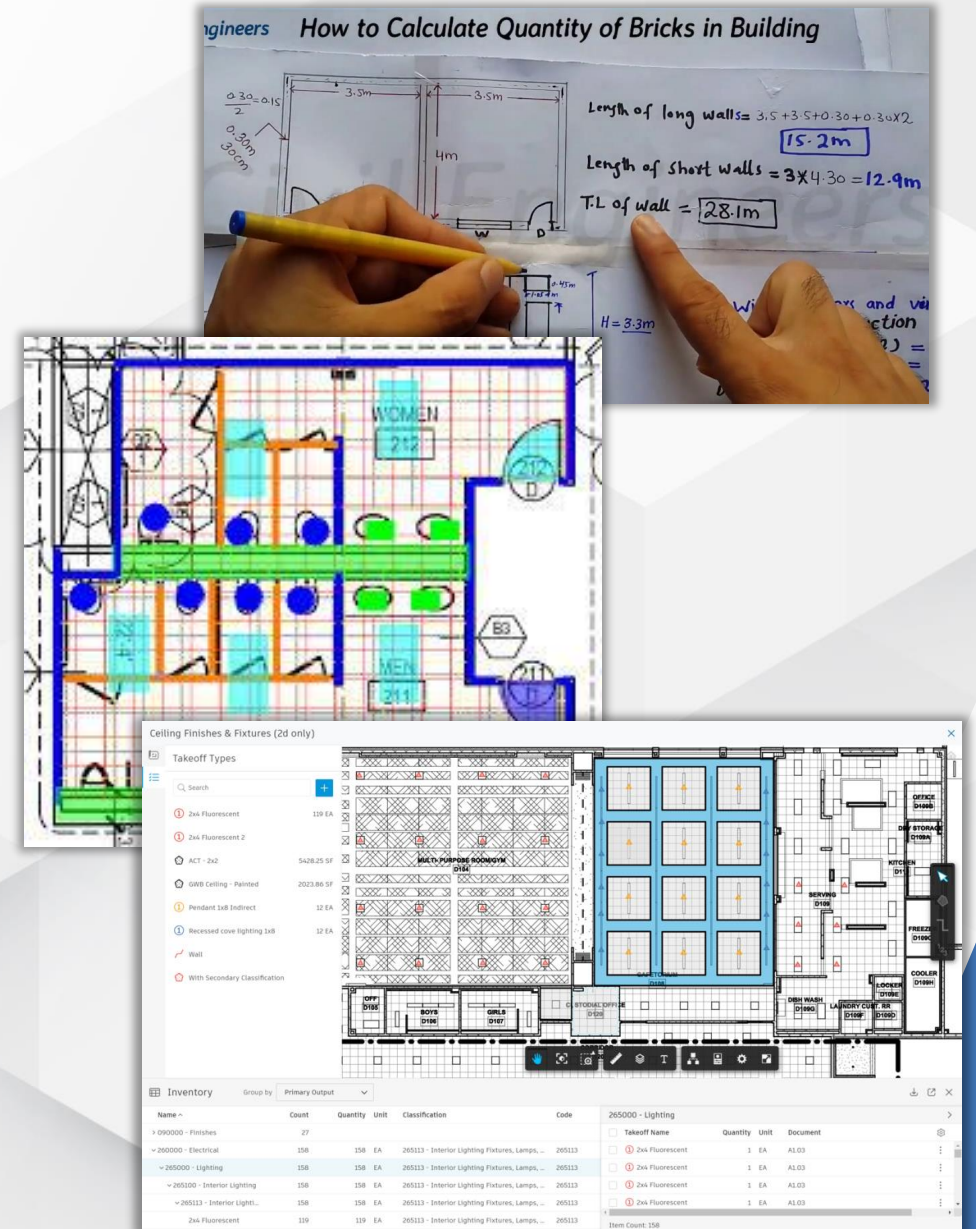
- Takeoff
 - AKA – Material Takeoff, Quantity Takeoff,
 - How much of each material is needed to complete a construction project
 - A takeoff is the process of counting
 - A takeoff is the amount of a material counted
- Estimating
 - Process of adding cost to materials, including labor and equipment costs

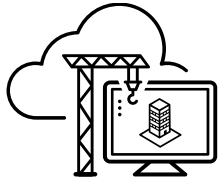




Who and How

- Who does takeoffs
 - Estimators, Contractors
- How do you do takeoffs
 - Paper – visually count by highlighting with colored markers
 - PDFs – 2D. Visually count by electronically highlighting with colored lines and shapes
 - Model – 3D. Count objects based on their properties. BIM! But estimators don't know Revit.
 - Counts, Length, Area, Volume





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Autodesk Construction Cloud

C AUTODESK® BIM COLLABORATE

Empower BIM experts to improve constructability of models, increase transparency in managing risk, and facilitate more efficient design collaboration



Design Collaboration



Automated Clash Detection



Aggregated Model Coordination



Issues Management

T AUTODESK® TAKEOFF

Enable estimators to perform more accurate 2D takeoffs and generate automated quantities from 3D models



2D Takeoff



3D Takeoff



Scope Analysis

B AUTODESK® BUILD

Empower builders with a field execution and project management solution to seamlessly collaborate and deliver construction projects on time, on budget



Project Management



Cost Management



Quality Management



Project Closeout



Safety Management



PlanGrid Build Mobile App

D AUTODESK® DOCS

Organize, distribute, and share files on a single, connected document management platform, ensuring all team members have access to the information they need



Document Control



Document Versioning



Document Approvals

INSIGHT

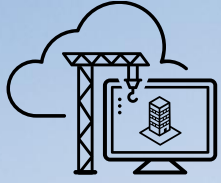
Get up to speed with what's going on in a project, assess trends and patterns in project data, identify any gaps and problems, and use predictive risk data to improve project efficiency

Dashboards

Reporting

Construction IQ

Data Connector



DIGITAL
CONSTRUCTION
SUMMER SCHOOL

Autodesk Takeoff Project Setup

(Lecture only)



Autodesk Takeoff

- Key Workflow

Key Workflow

1. Login to ACC.Autodesk.com
2. Create or select a project
3. Add team members to the project
4. Configure takeoff settings for the project
5. Publish files to Takeoff
 - Publish 2D files as sheets
 - Upload 3D models
6. Create takeoff packages
7. Perform quantity takeoff
8. Export takeoff inventory

Access to Autodesk Construction Cloud

Logging in

The image shows a web browser window with the Autodesk Construction Cloud login page. A red circle with the number '1' points to the browser's address bar, which contains the URL 'acc.autodesk.com'. Another red circle with the number '2' points to the 'NEXT' button, which is located below the email input field. The page features the Autodesk logo, a 'Sign in' heading, an email input field with the placeholder 'name@example.com', and a blue 'NEXT' button. Below the button, there is a link for 'NEW TO AUTODESK? CREATE ACCOUNT' and a footer with the text 'Your account for everything Autodesk' and a 'LEARN MORE' link.

1

Sign in

Email

name@example.com

NEXT

NEW TO AUTODESK? [CREATE ACCOUNT](#)

Your account for everything Autodesk
[LEARN MORE](#)

2

Autodesk Takeoff

- Project List

The screenshot displays the Autodesk Construction Cloud interface. At the top, the header includes the Autodesk Construction Cloud logo and the user profile of Mark Petrucci. A red circle with the number 2 is placed over the user profile. On the left, the 'Project List' tab is selected, indicated by a red circle with the number 1. Below the tabs, a blue button labeled '+ Create project' is visible. A red circle with the number 3 is placed over the 'Projects' tab. To the right of the button is a search bar with the placeholder text 'Search projects by name', marked with a red circle with the number 5. The main content area is a table of projects. The first row, '12345 Small Medical Office Center', is highlighted with a red rectangle. A red circle with the number 4 is placed over the table area. The table has two columns: 'Name' and 'Created On'. The projects listed are: '12345 Small Medical Office Center' (Created On: July 21, 2021), 'Test Project' (Created On: July 20, 2021), 'Falcon Training' (Created On: July 14, 2021), 'JMB Sandbox 123 Main Street' (Created On: July 13, 2021), and 'Milwaukee Tool Red Beacon - HVAC (214787) & PLBG (214788) 501 W. Michigan St.' (Created On: July 2, 2021). At the bottom, it says 'Showing 1-25 of 110' and has pagination controls.

AUTODESK CONSTRUCTION CLOUD

2

1 Project List

3 Projects Project Templates

+ Create project

5 Search projects by name

Name	Created On ↓
12345 Small Medical Office Center	July 21, 2021
Test Project	July 20, 2021
Falcon Training	July 14, 2021
JMB Sandbox 123 Main Street	July 13, 2021
Milwaukee Tool Red Beacon - HVAC (214787) & PLBG (214788) 501 W. Michigan St.	July 2, 2021

4

Showing 1-25 of 110

1 of 5

Autodesk Takeoff

Autodesk Docs User Interface

The screenshot displays the Autodesk Docs user interface for a project named "12345 Small Medical Office Center". The interface includes a top navigation bar with a "Docs" dropdown menu (callout 2) and a user profile for Mark Petrucci. A left sidebar contains navigation options: Files, Reviews, Transmittals, Issues (callout 3), Reports, Members, and Settings. The main content area is titled "Project Files" and shows a "Folders" view. A list of folders is displayed, including "For the Field" and "Project Files" (callout 4). The "Project Files" folder is expanded, showing a list of sub-folders: "Files For Teachers To Download", "Last Name A-J", "Last Name K-S", and "Last Name T-Z". A table of files is shown below the folders, with columns for Name, Description, Version, Markup, Size, Last updated, and Up. The table lists four items, each corresponding to a folder name. A red circle with the number 5 is placed over the "Last Name K-S" entry in the table. The interface also includes an "Upload files" button, a search bar, and a settings menu.

1

2

3

4

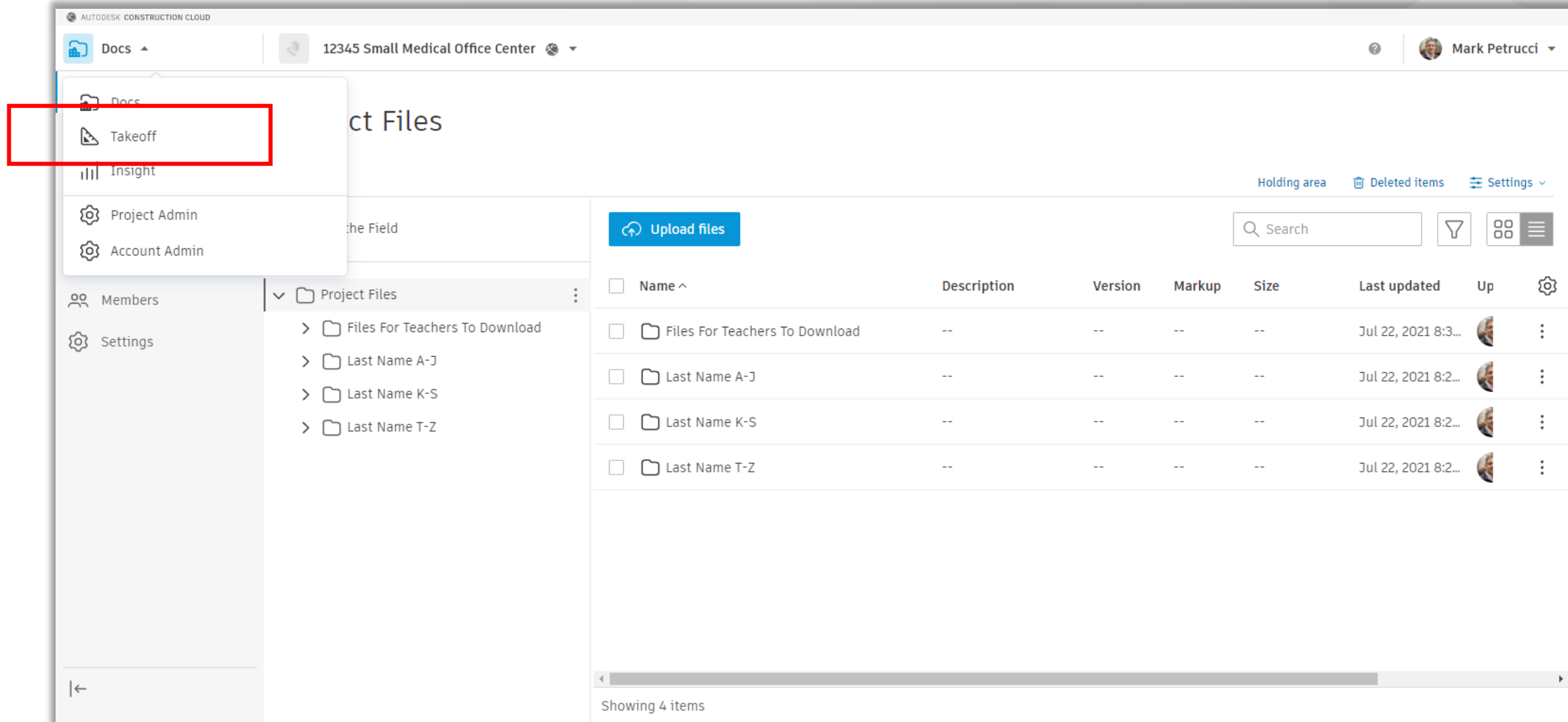
5

Name ^	Description	Version	Markup	Size	Last updated	Up
<input type="checkbox"/> Files For Teachers To Download	--	--	--	--	Jul 22, 2021 8:3...	
<input type="checkbox"/> Last Name A-J	--	--	--	--	Jul 22, 2021 8:2...	
<input type="checkbox"/> Last Name K-S	--	--	--	--	Jul 22, 2021 8:2...	
<input type="checkbox"/> Last Name T-Z	--	--	--	--	Jul 22, 2021 8:2...	

Showing 4 items

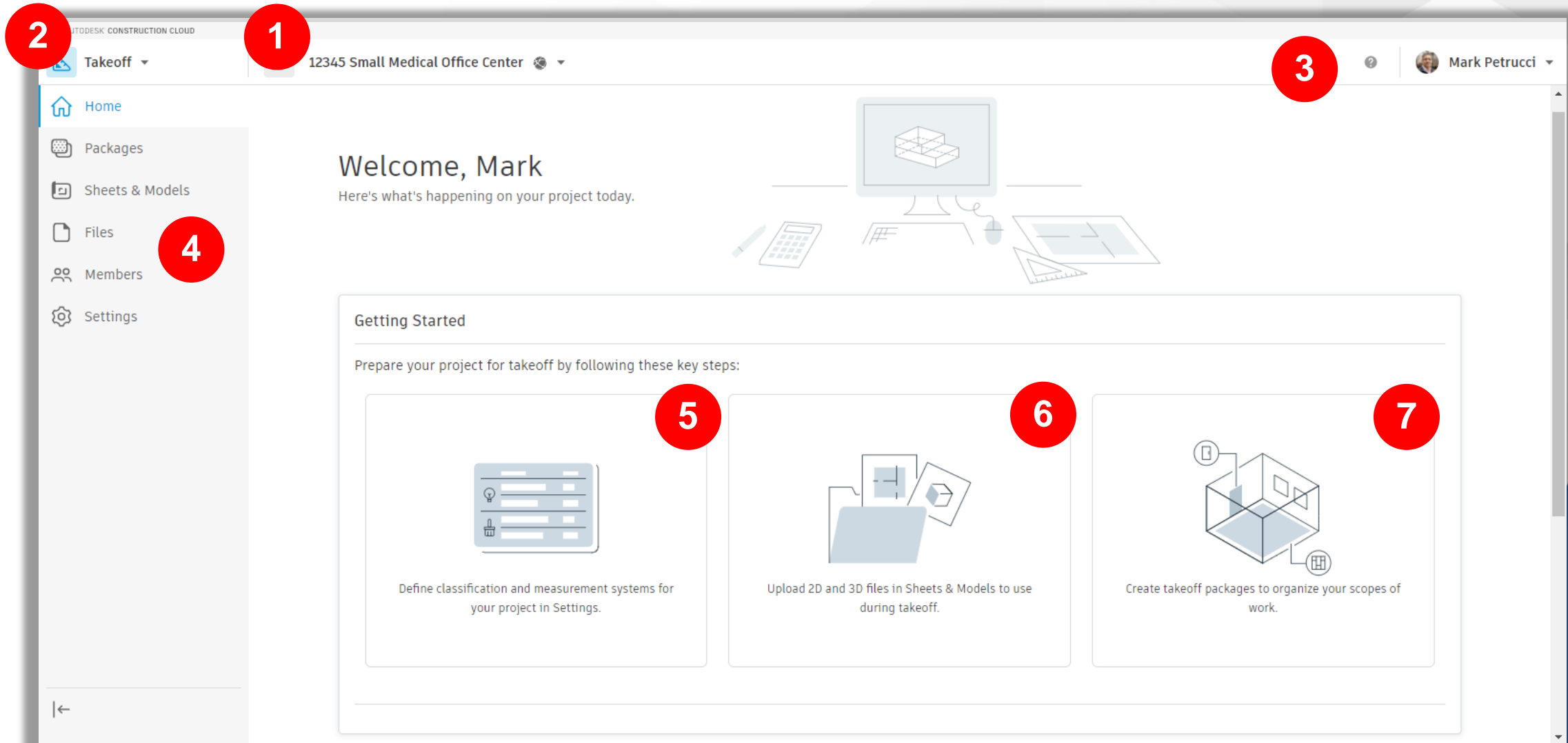
Autodesk Takeoff

- Autodesk Docs User Interface



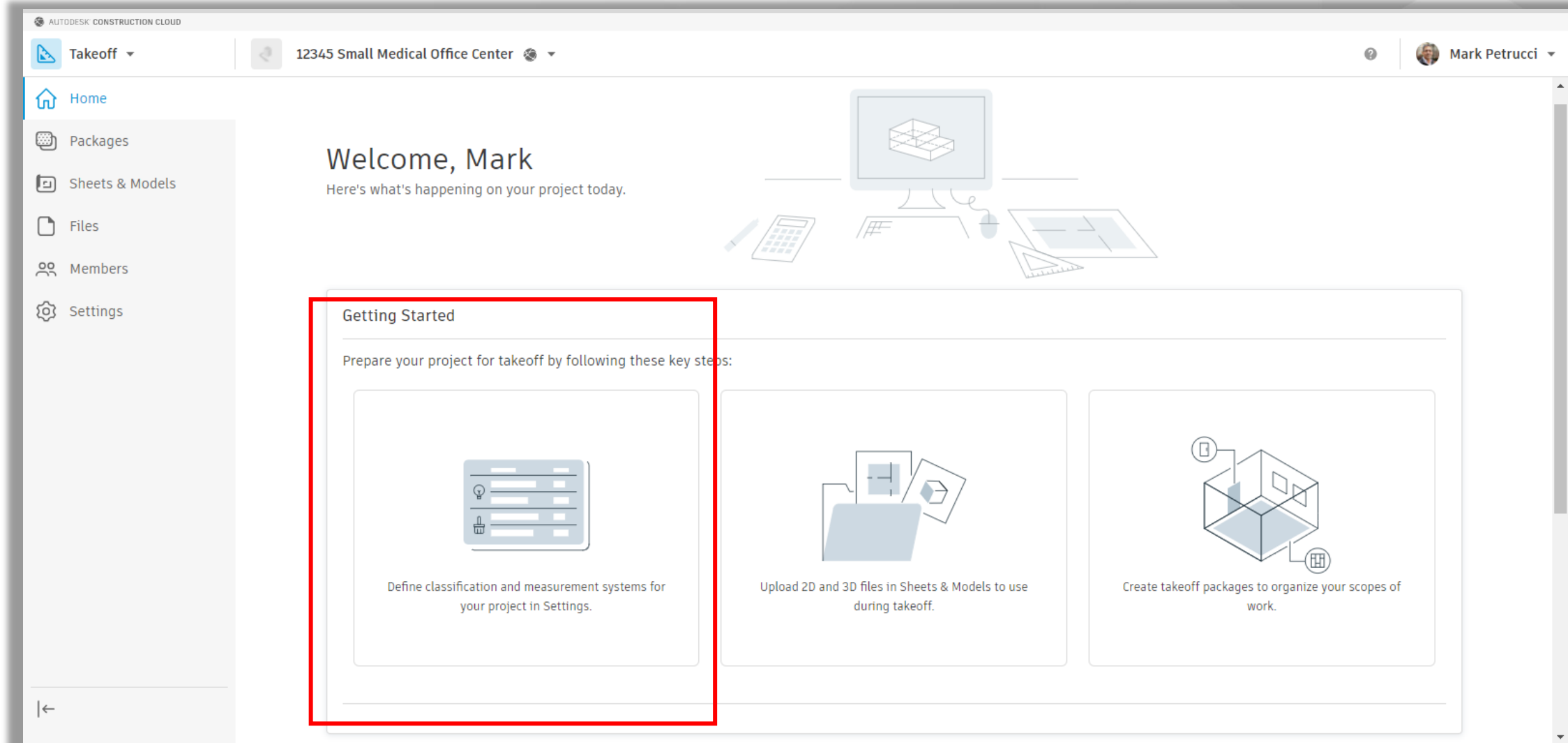
Autodesk Takeoff

- Autodesk Takeoff User Interface



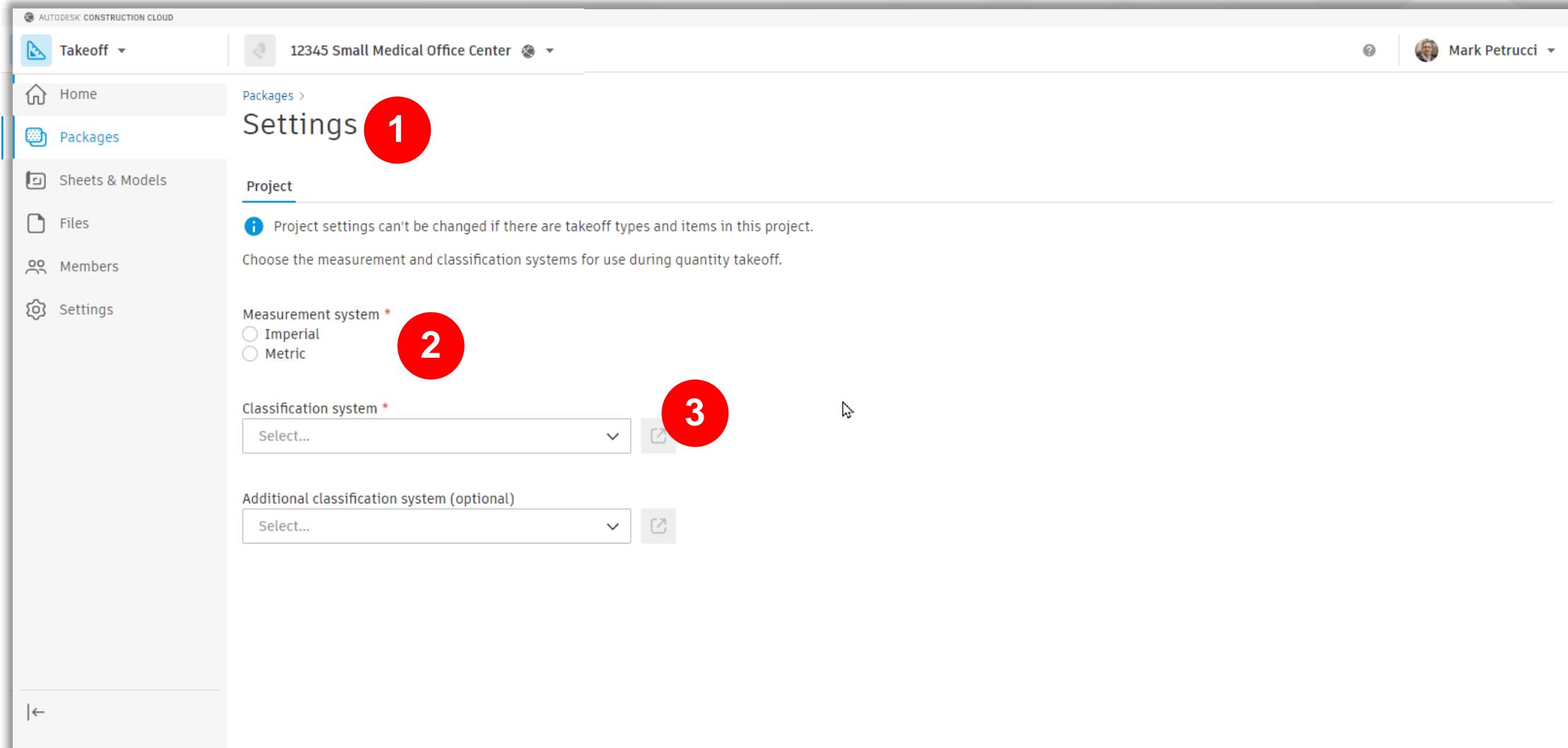
Autodesk Takeoff

- Home Screen - Classification Systems



Autodesk Takeoff

- Classification Systems



Autodesk Takeoff

■ Classification Systems

AUTODESK CONSTRUCTION CLOUD

Takeoff 12345 Small Medical Office Center Mark Petrucci

Home Packages Sheets & Models Files Members Settings

Packages > Settings

Project

Project settings can't be changed if there are takeoff types and items in this project.

Choose the measurement and classification systems for use during quantity takeoff.

Measurement system *

☒ Imperial
☐ Metric

Classification system *

Select...
Sample Assembly Classification
+ Upload custom classification system

Upload custom classification system

Download template Import custom system

To add a custom classification system

1. Click **Download template**. This exports an editable template of the system.
2. Open the template in Excel or other spreadsheet app and edit as needed. Rename the spreadsheet and save.
3. Click **Import custom system** to import and save the custom classification system to your project.

Autodesk Takeoff

■ Classification Systems

The image displays the Autodesk Takeoff web interface. On the left, a sidebar contains navigation options: Docs (highlighted with a red box), Files, Reviews, Transmittals, Issues, Reports, Members, and Settings. The main area shows the 'Project Files' section for a project named '12345 Small Medical Office Center'. Under the 'Folders' tab, a tree view shows 'Project Files' expanded, containing 'Files For Teachers To Download', 'Classification Examples' (highlighted with a red box), 'Version 1', 'Version 2', and 'Last Name A-J'. The 'Classification Examples' folder is open, showing a list of files: 'UniformatClassifications_2010 Example...', 'OmniClass Table 23 Classification Exam...', and 'MasterFormat Classification Example.xl...' (all three are highlighted with a red box). A red arrow points from this box to a red icon of a computer and server. Another red arrow points from this icon to a modal window titled 'Upload custom classification system'. This modal window includes a 'Download template' button and an 'Import custom system' button. Below these, a section titled 'To add a custom classification system' provides a three-step guide: 1. Click Download template. This exports an editable template of the system. 2. Open the template in Excel or other spreadsheet app and edit as needed. Rename the spreadsheet and save. 3. Click Import custom system to import and save the custom classification system to your project. At the bottom of the interface, a 'Settings' panel is visible, showing 'Measurement system' set to 'Imperial' and 'Classification system' set to 'Select...'. A dropdown menu for 'Classification system' is open, showing options: 'Sample Assembly Classification' and 'Upload custom classification system' (highlighted with a red box).

Autodesk Takeoff

- Classification Systems

Autodesk Construction Cloud

Takeoff

Home

Packages

Sheets & Models

Files

Members

Settings

12345 Small Medical Office Center

Mark Petrucci

Packages >

Settings

Project

Project settings can't be changed if there are takeoff types and items in this project.

Choose the measurement and classification systems for use during quantity takeoff.

Measurement system *

Imperial

Metric

Classification system *

UniFormat_2010

Additional classification system (optional)

MasterFormat Classification

UniFormat_2010

Export

Reimport

> When reimporting, the following is allowed

Code	Description	Measure
> A	SUBSTRUCTURE	
> B	SHELL	
> C	INTERIORS	
> C10	INTERIOR CONSTRUCTION	
C1010	Interior Partitions	
C1020	Interior Windows	COUNT
C1030	Interior Doors	COUNT
C1040	Interior Grilles and Gates	COUNT
C1060	Raised Floor Construction	
C1070	Suspended Ceiling Construction	AREA
C1090	Interior Specialties	
> C20	INTERIOR FINISHES	
> D	SERVICES	
> E	EQUIPMENT AND FURNISHINGS	

Total rows: 107

Autodesk Takeoff

■ Classification Examples

UniFormat_2010		
Export Reimport		
> When reimporting, the following is allowed		
Code	Description	Measure
> A	SUBSTRUCTURE	
> B	SHELL	
▼ C	INTERIORS	
▼ C10	INTERIOR CONSTRUCTION	
C1010	Interior Partitions	
C1020	Interior Windows	COUNT
C1030	Interior Doors	COUNT
C1040	Interior Grilles and Gates	COUNT
C1060	Raised Floor Construction	
C1070	Suspended Ceiling Construction	AREA
C1090	Interior Specialties	
> C20	INTERIOR FINISHES	
> D	SERVICES	
> E	EQUIPMENT AND FURNISHINGS	
Total rows: 107		

MasterFormat Classification		
Export Reimport		
> When reimporting, the following is allowed		
Code	Description	Measure
00	Procurement and Contracting Requireme...	
> 01	General Requirements	
> 02	Existing Conditions	
> 03	Concrete	
> 04	Masonry	
> 05	Metals	
> 06	Wood, Plastics, and Composites	
> 07	Thermal and Moisture Protection	
> 08	Openings	
> 09	Finishes	
> 10	Specialties	
> 11	Equipment	
> 12	Furnishings	
> 13	Special Construction	
> 14	Conveying Equipment	
Total rows: 3863		

OmniClass Table 23 Classification		
Export Reimport		
> When reimporting, the following is allowed		
Code	Description	Measure
> 23-11 00 00	Site Products	
> 23-13 00 00	Structural and Exterior Enclosure Products	
> 23-15 00 00	Interior and Finish Products	
> 23-17 00 00	Openings, Passages, and Protection Prod...	
> 23-19 00 00	Specialty Products	
> 23-21 00 00	Furnishings, Fixtures and Equipment Pro...	
> 23-23 00 00	Conveying Systems and Material Handlin...	
> 23-25 00 00	Medical and Laboratory Equipment	
> 23-27 00 00	General Facility Services Products	
> 23-29 00 00	Facility and Occupant Protection Products	
> 23-31 00 00	Plumbing Specific Products and Equipment	
> 23-33 00 00	HVAC Specific Products and Equipment	
> 23-35 00 00	Electrical and Lighting Specific Products ...	
> 23-37 00 00	Information and Communication Specific ...	
> 23-39 00 00	Utility and Transportation Products	
Total rows: 1508		

Autodesk Takeoff

- Classification Systems

Autodesk Construction Cloud

Takeoff

Home

Packages

Sheets & Models

Files

Members

Settings

12345 Small Medical Office Center

Mark Petrucci

Settings

Project

Project settings can't be changed if there are takeoff types and items in this project.

Choose the measurement and classification systems for use during quantity takeoff.

Measurement system *

Imperial

Metric

Classification system *

UniFormat_2010

Additional classification system (optional)

MasterFormat Classification

UniFormat_2010

Export

Reimport

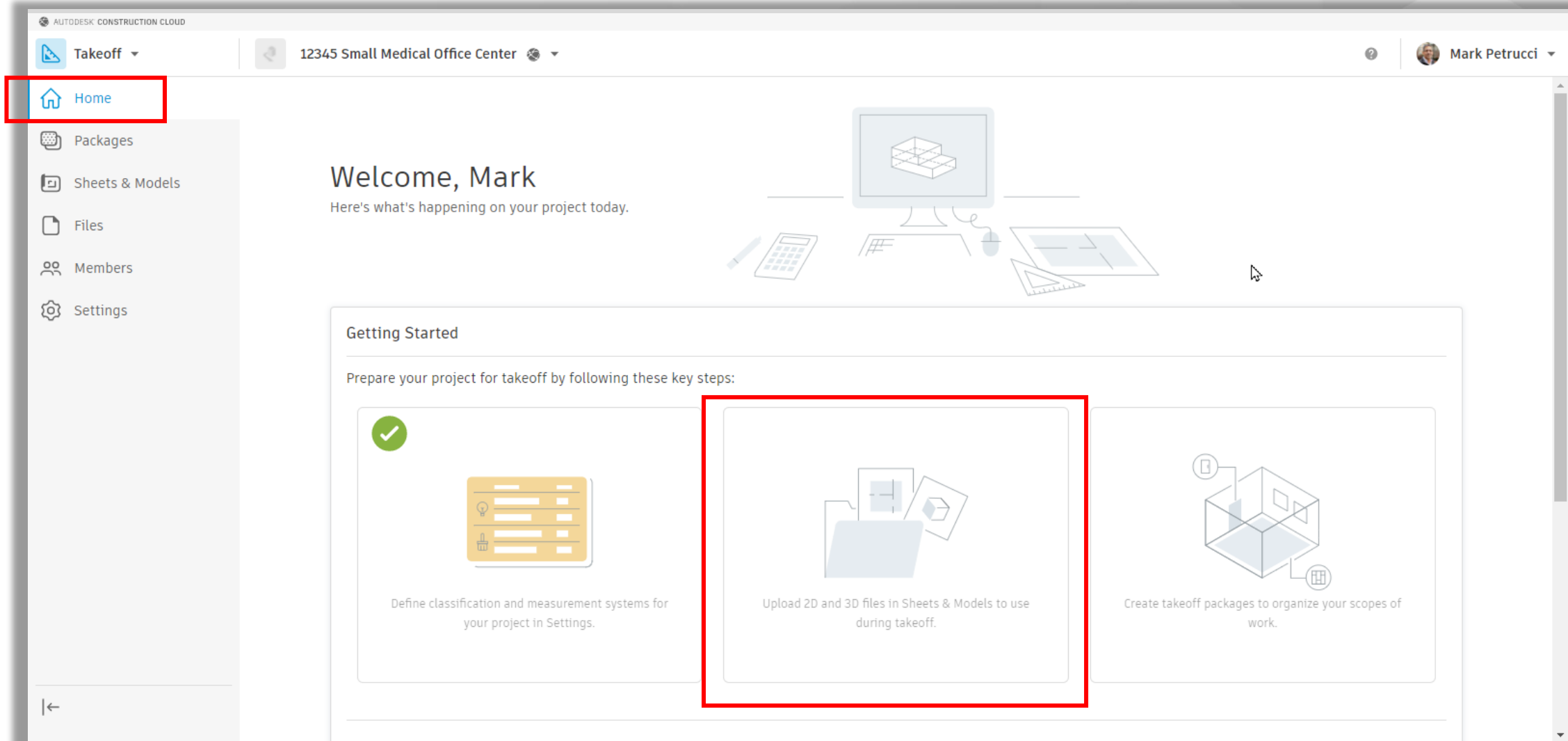
> When reimporting, the following is allowed

Code	Description	Measure
> A	SUBSTRUCTURE	
> B	SHELL	
> C	INTERIORS	
> C10	INTERIOR CONSTRUCTION	
C1010	Interior Partitions	
C1020	Interior Windows	COUNT
C1030	Interior Doors	COUNT
C1040	Interior Grilles and Gates	COUNT
C1060	Raised Floor Construction	
C1070	Suspended Ceiling Construction	AREA
C1090	Interior Specialties	
> C20	INTERIOR FINISHES	
> D	SERVICES	
> E	EQUIPMENT AND FURNISHINGS	

Total rows: 107

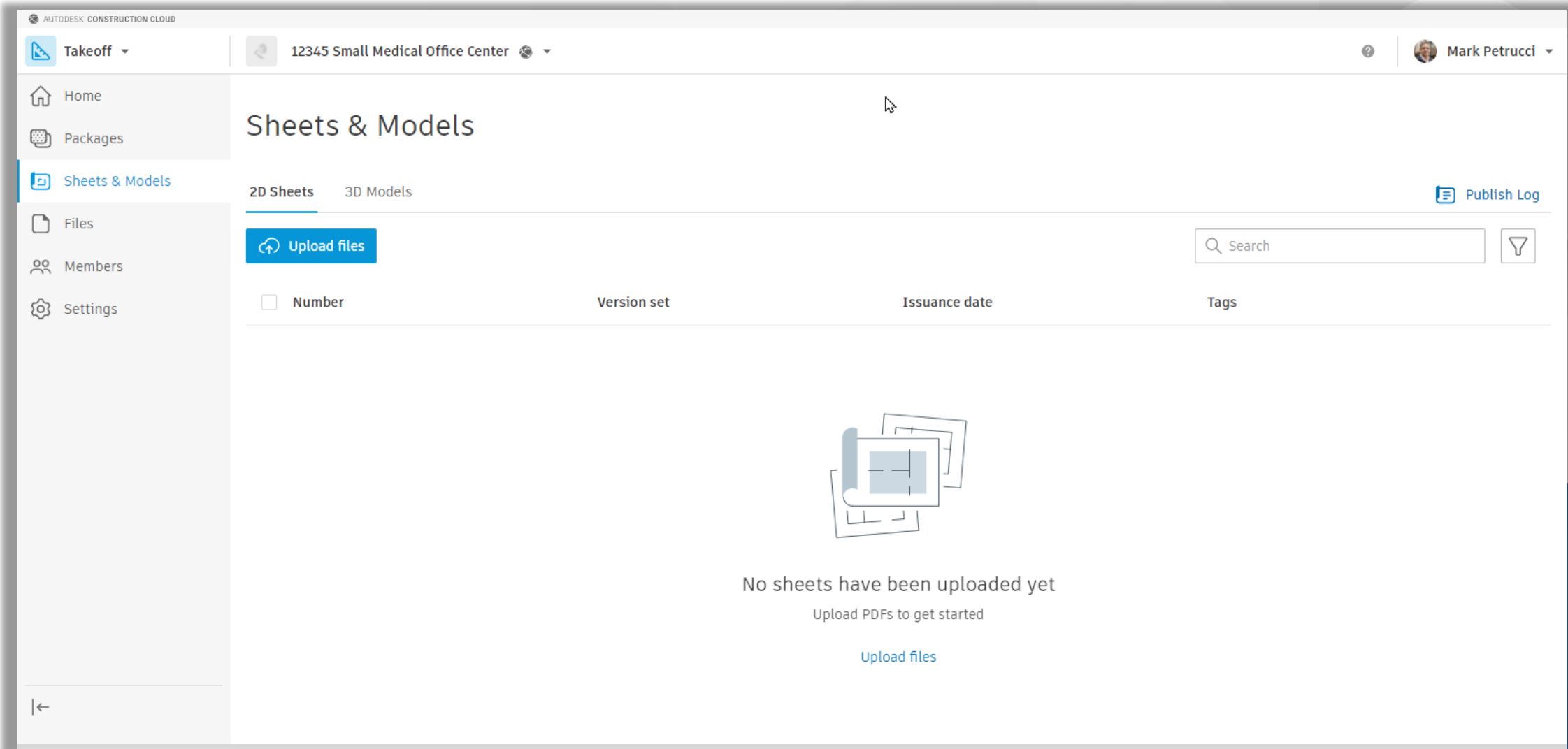
Autodesk Takeoff

- Home Screen – Upload Drawings and Models



Sheet & Models

- Sheets & Models



Sheet & Models

- Sheets & Models

The screenshot shows the Autodesk Construction Cloud interface for a project named "12345 Small Medical Office Center". The left sidebar contains navigation links: Takeoff, Home, Packages, Sheets & Models (highlighted with a red circle), Files, Members, and Settings. The main content area is titled "Sheet" and features an "Upload files" button. Below this is a table header with columns: Number, Version set, Issuance date, and Tags. A red callout box points to the "Sheets & Models" link in the sidebar, stating "Files for Takeoff only". Another red callout box points to the "Files" link in the sidebar, stating "Files include Project Files and Folders which are part of Common Data Environment". The main content area displays a message: "No sheets have been uploaded yet" with a sub-message "Upload PDFs to get started" and a blue "Upload files" link. A "Publish Log" button is visible in the top right corner.

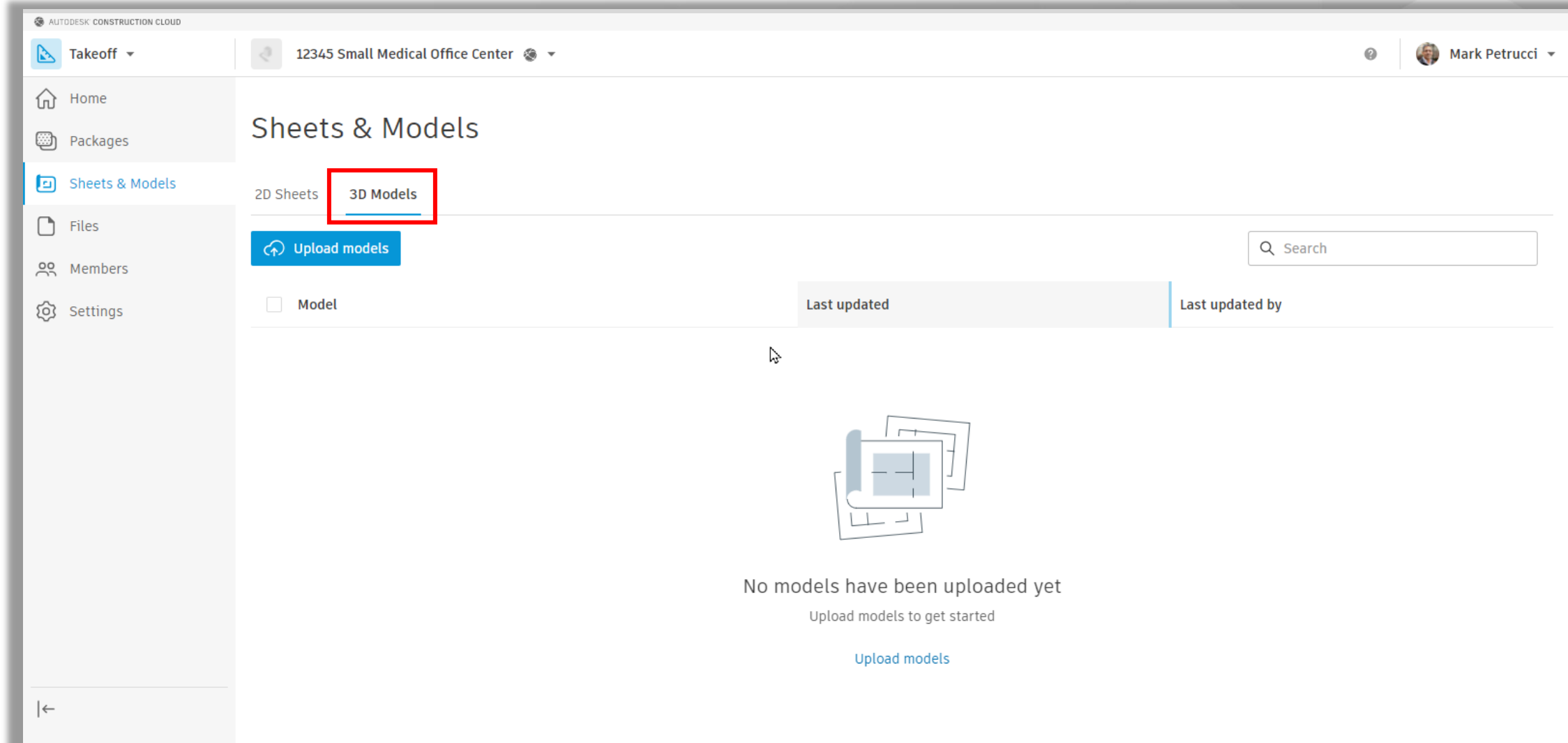
Files for Takeoff only

Files include Project Files and Folders which are part of Common Data Environment

No sheets have been uploaded yet
Upload PDFs to get started
[Upload files](#)

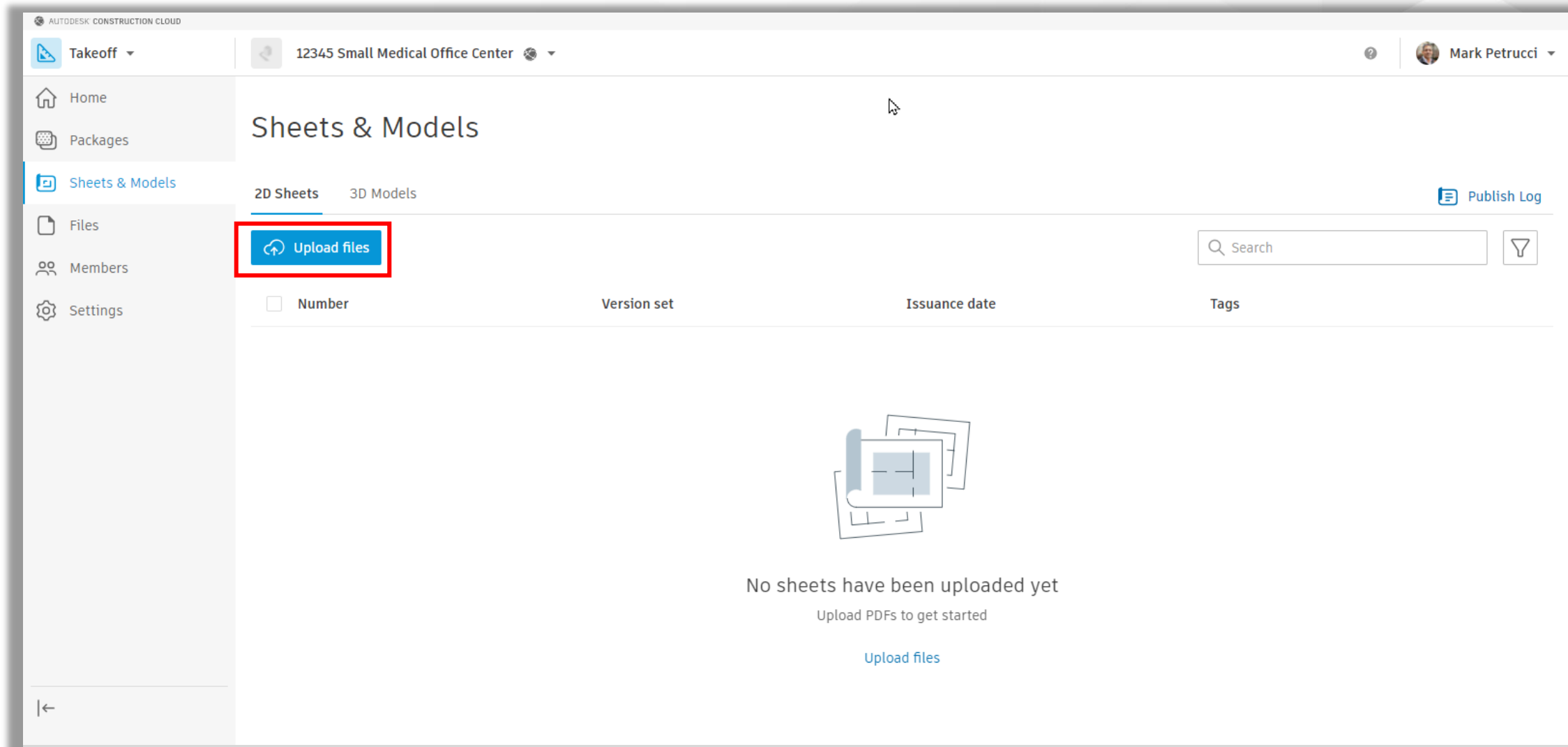
Sheet & Models

- Sheets & Models



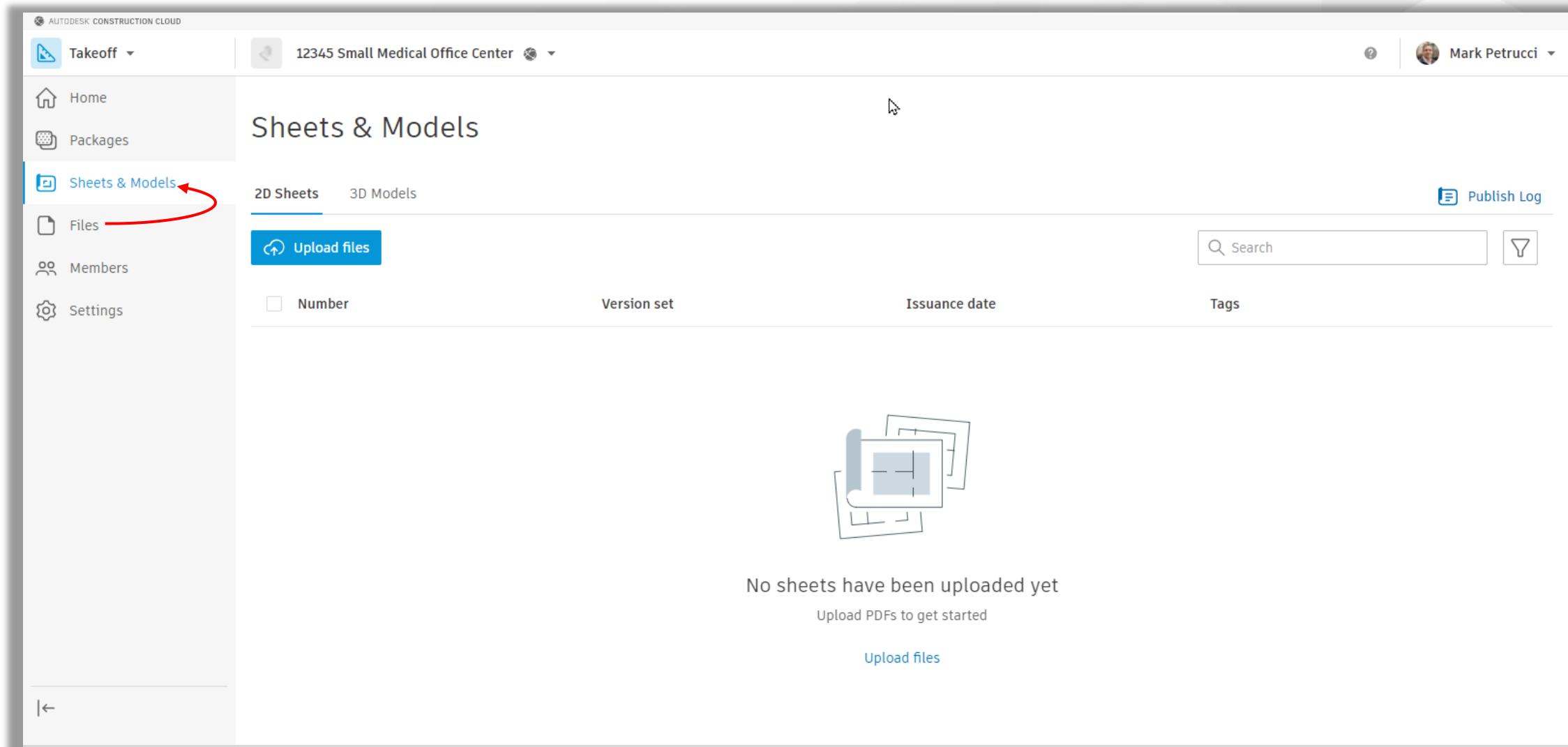
Sheet & Models

- Sheets & Models – Uploading Files



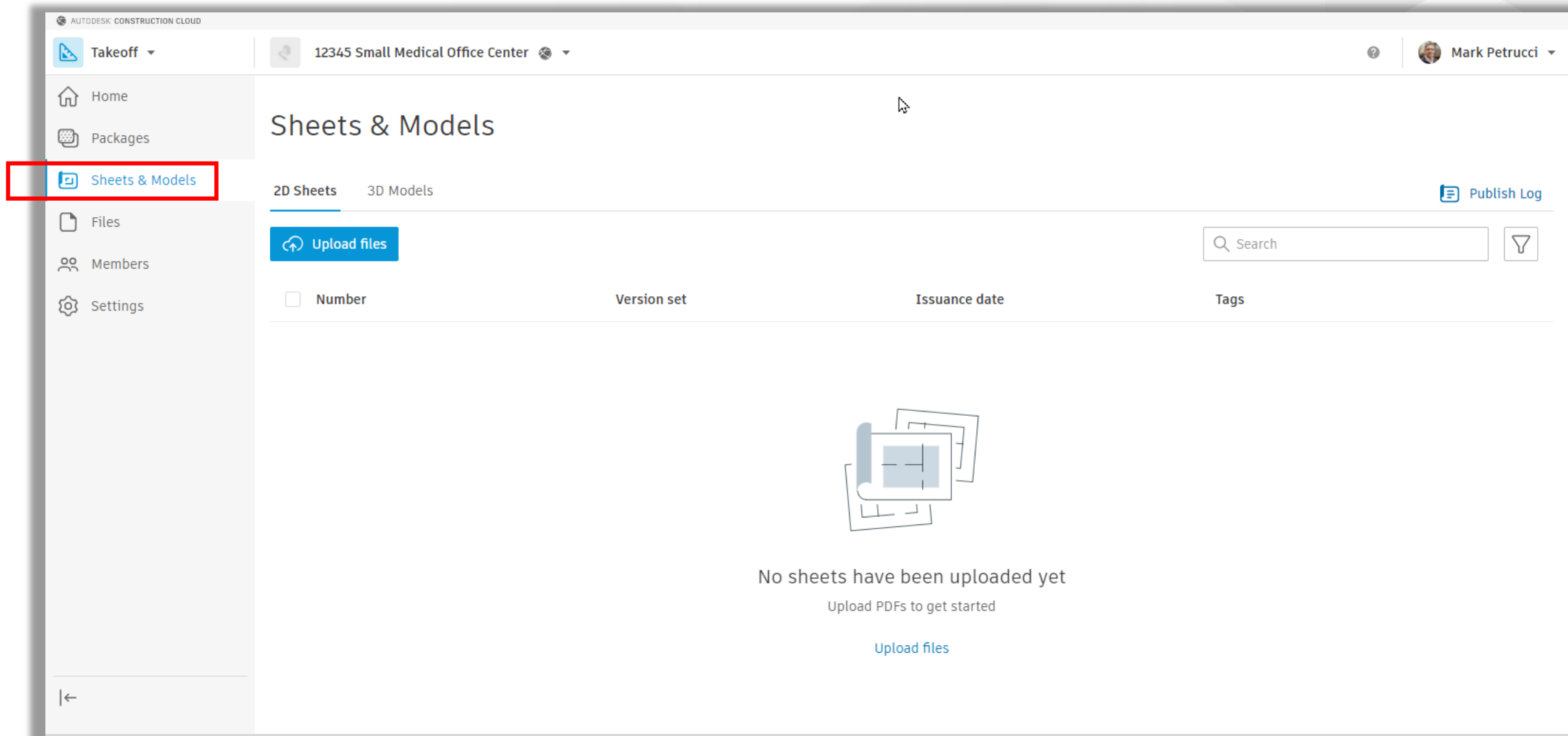
Sheet & Models

- Sheets & Models – Publishing from Docs



Sheet & Models

- Sheets & Models – Publishing from Docs



Sheet & Models

- Files vs Sheets & Models

AUTODESK CONSTRUCTION CLOUD

Takeoff

Home

Packages

Sheets & Models

Files

Members

Settings

12345 Small Medical Office Center

Mark Petrucci

Project Files

Folders

For the Field

Project Files

Files For Teachers To Download

Last Name A-J

Last Name K-S

Last Name T-Z

Upload files

Search

Filter

Grid

Menu

<input type="checkbox"/> Name ^	Description	Version	Markup	Size	Last updated	Up	Settings
<input type="checkbox"/> Files For Teachers To Download	--	--	--	--	Jul 22, 2021 8:3...		<div>⋮</div>
<input type="checkbox"/> Last Name A-J	--	--	--	--	Jul 22, 2021 8:2...		<div>⋮</div>
<input type="checkbox"/> Last Name K-S	--	--	--	--	Jul 22, 2021 8:2...		<div>⋮</div>
<input type="checkbox"/> Last Name T-Z	--	--	--	--	Jul 22, 2021 8:2...		<div>⋮</div>

Showing 4 items

Sheet & Models

- Files vs Sheets & Models

Autodesk Construction Cloud

12345 Small Medical Office Center

Mark Petrucci

Docs

Files

Reviews

Transmittals

Issues

Reports

Members

Settings

Project Files

Folders

For the Field

Project Files

- Files For Teachers
- Last Name A-J
- Last Name K-S
- Last Name T-Z

Autodesk Construction Cloud

12345 Small Medical Office Center

Mark Petrucci

Takeoff

Home

Packages

Sheets & Models

Files

Members

Settings

Project Files

Folders

For the Field

Project Files

- Files For Teachers To Download
- Last Name A-J
- Last Name K-S
- Last Name T-Z

Upload files

Search

Name	Description	Version	Markup	Size	Last updated	Up
Files For Teachers To Download	--	--	--	--	Jul 22, 2021 8:3...	
Last Name A-J	--	--	--	--	Jul 22, 2021 8:2...	
Last Name K-S	--	--	--	--	Jul 22, 2021 8:2...	
Last Name T-Z	--	--	--	--	Jul 22, 2021 8:2...	

Showing 4 items

Sheet & Models

- Sheets & Models – Publishing from Docs

The screenshot shows the Autodesk Construction Cloud interface for a project named "12345 Small Medical Office Center". The user is Mark Petrucci. The left sidebar contains navigation options: Home, Packages, Sheets & Models, Files (selected), Members, and Settings. The main area is titled "Project Files" and shows a folder structure under "For the Field". The "Project Files" folder is expanded, showing "Files For Teachers To Download", "Version 1", "Version 2", and a list of folders: "Last Name A-J", "Last Name K-S", and "Last Name T-Z".

At the top of the file list, there are two buttons: "Upload files" and "Publish to Takeoff Sheets & Models". The "Publish to Takeoff Sheets & Models" button is highlighted with a red box. To the right of these buttons is a search bar and a filter icon.

The file list table has the following columns: Name, Description, Version, Markup, Size, Last updated, Up, and a settings icon. The first row is selected, showing a PDF file named "2021_Sm Med Office-ARCH.pdf" with version "V1", size "4.1 MB", and last updated "Jul 22, 2021 8:3...".

Name	Description	Version	Markup	Size	Last updated	Up	Settings
<input checked="" type="checkbox"/> 2021_Sm Med Office-ARCH.pdf		V1		4.1 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-ARCH.rvt		V1		19.3 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-MEP.rvt		V1		21.1 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-STRUC.rvt		V1		7.9 MB	Jul 22, 2021 8:3...		

1 of 4 selected

Autodesk Takeoff

- Sheets & Models – Publishing from Docs

12345 Small Medical Office Center

Publish sheets

Version set

Sheet numbers

Titles and tags

Select version set

☒ New version set


Version set name *

Architectural Files - First Upload

Issuance date *

Aug 01, 2021

☐ Existing version set



No existing version set
Create a version set on the left

Next to sheet numbers

Sheet & Models

- Sheets & Models – Publishing from Docs

12345 Small Medical Office Center Publish sheets

Version set Sheet numbers Titles and tags

Select version set

☒ New version set ☐ Existing version set

Version set name *

Architectural Files - First Upload

Issuance date *

Aug 01, 2021

Markups not included

If your files include markups, they won't be included in the published sheets.

☐ Do not show this again [Continue](#)

Next to sheet numbers

Autodesk Takeoff

■ Publish Sheets – User Interface

The screenshot displays the 'Publish sheets' window in Autodesk Takeoff. The window title is '12345 Small Medical Office Center | Publish sheets'. The interface includes a top toolbar with the following elements:

- 1**: '13 sheets total' text.
- 2**: 'Remove sheets' button.
- 3**: 'Draw sheet number area' button.
- Edit sheet numbers** dropdown menu.

A green status bar indicates: 'Sheet extraction completed. Next to titles and tags to continue publishing.' A red error bar below it states: '2 sheet number errors'. To the right of the error bar is a checkbox labeled **5**: 'Only show sheets with errors'.

The main table lists sheets with the following columns: **File name**, **Sheet thumbnail**, **Sheet number**, and **Revision history**.

File name	Sheet thumbnail	Sheet number	Revision history
<input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 3			<input type="text" value="A101"/> Sheet number duplicated in this list
<input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 4			<input type="text" value="A101"/> Sheet number duplicated in this list

At the bottom of the window:

- 6**: 'Row height' slider.
- 7**: 'Save for later' button.
- Back to version set** button.
- Next to titles and tags** button.

Sheet & Models

- Publish Sheets – Remove Sheets

12345 Small Medical Office Center

Publish sheets

2 of 15 sheets selected

Remove sheets

↺

↻

↺

Draw sheet number area

Edit sheet numbers

Sheet extraction completed. Next to titles and tags to continue publishing.

1 sheet number error

Only show sheets with errors

File name	Sheet thumbnail	Sheet number	Revision history
<div><div>2021_Sm Med Office-ARCH.pdf</div><div>Page 1</div></div>	<div><div><div></div></div><div><div></div></div></div>	<div>14</div>	<div>Architectural Files - First Upload ...</div>
<div><div>2021_Sm Med Office-ARCH.pdf</div><div>Page 2</div></div>	<div><div><div></div></div><div><div></div></div></div>	<div></div> <div>Sheet number missing</div>	<div>Architectural Files - First Upload ...</div>

Row height

Save for later

Back to version set

Next to titles and tags

Autodesk Takeoff

- Publish Sheets – Sheet Number Area

12345 Small Medical Office Center | Publish sheets

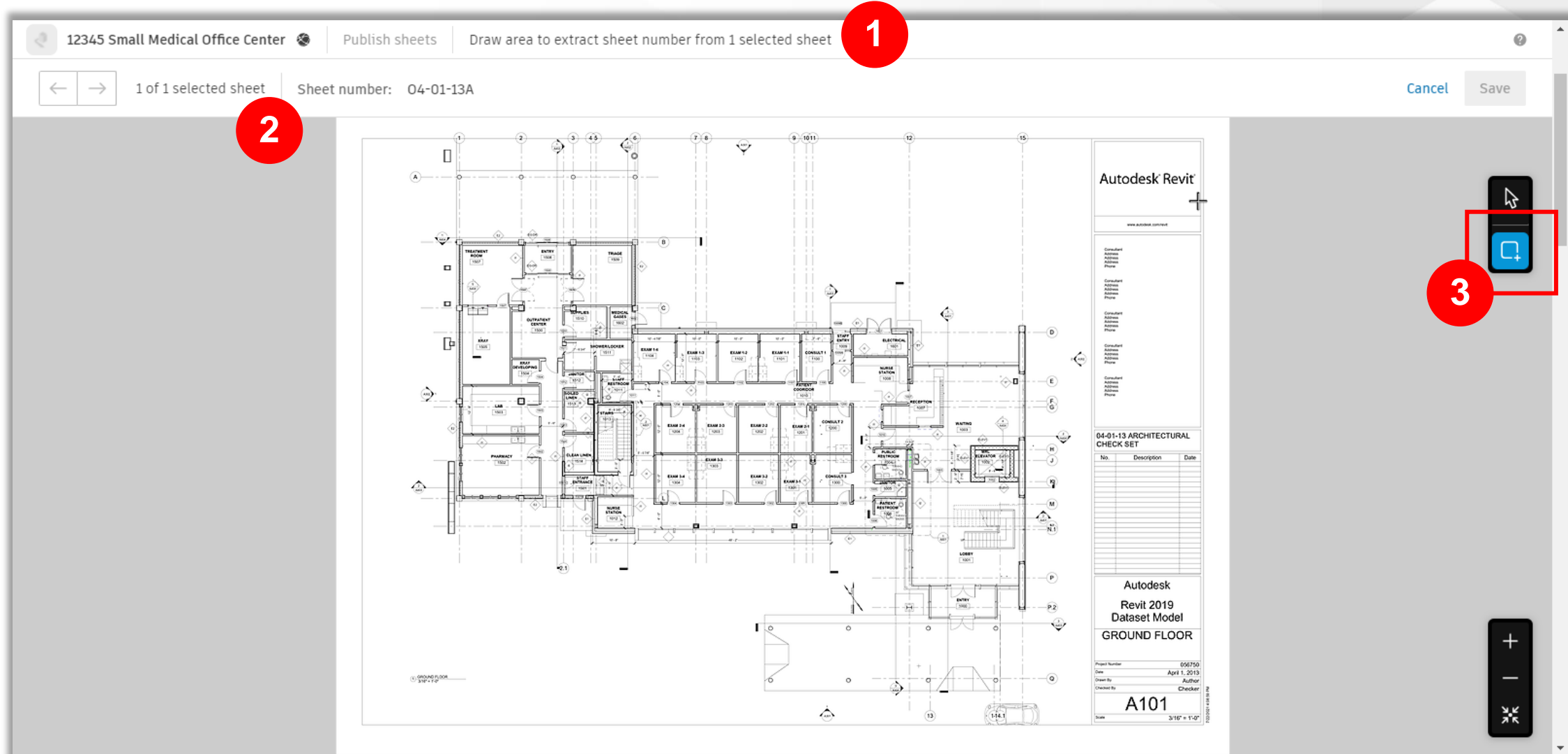
1 of 13 sheets selected [Remove sheets](#) 90° 180° 270° [Draw sheet number area](#) [Edit sheet numbers](#)

Sheet extraction completed. Next to titles and tags to continue publishing.

File name	Sheet thumbnail	Sheet number	Revision history
<input checked="" type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 3		<div>04-01-13 ARCHITECTURAL CHECK SET</div> <div>04-01-13A</div>	<div>Architectural Files - First Upload ...</div>
<input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 4		<div>04-01-13 ARCHITECTURAL CHECK SET</div> <div>A102</div>	<div>Architectural Files - First Upload ...</div>

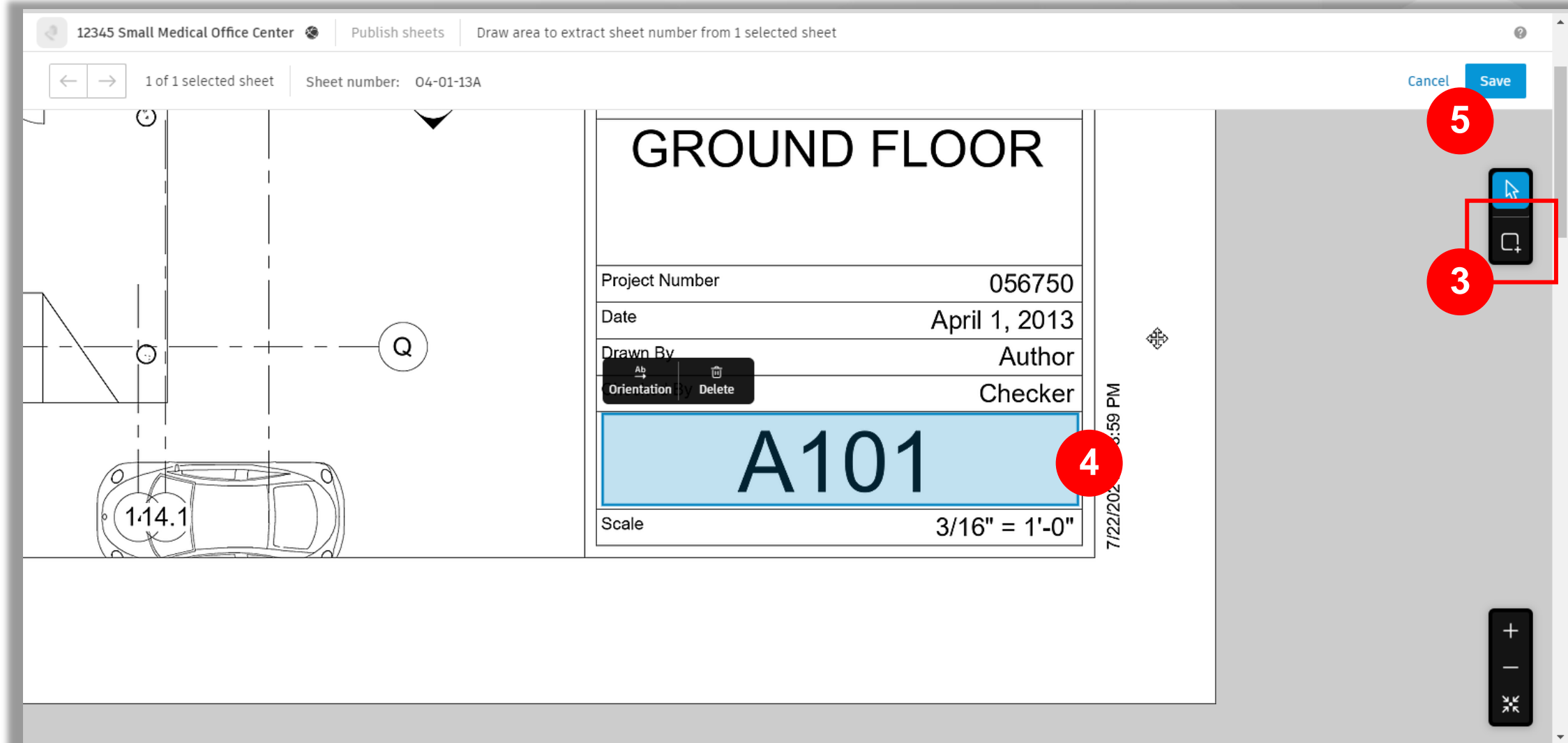
Row height [Save for later](#) [Back to version set](#) [Next to titles and tags](#)

- Publish Sheets – Sheet Number Area



Autodesk Takeoff

- Publish Sheets – Sheet Number Area



Autodesk Takeoff

- Publish Sheets – Sheet Number Review

12345 Small Medical Office Center

Publish sheets

1 of 13 sheets selected

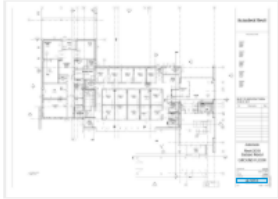
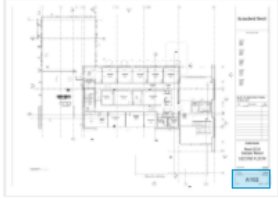
Remove sheets

90° 90° 180°

Draw sheet number area

Edit sheet numbers

Sheet extraction completed. Next to titles and tags to continue publishing.

File name	Sheet thumbnail	Sheet number	Revision history
<input checked="" type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 3		<div>A101</div> <div>A101</div>	<div>Architectural Files - First Upload ...</div>
<input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 4		<div>A102</div> <div>A102</div>	<div>Architectural Files - First Upload ...</div>

Row height

Save for later

Back to version set

Next to titles and tags

Autodesk Takeoff

- Publish Sheets – Sheet Title and Tags

12345 Small Medical Office Center

Publish sheets

Version set

Sheet numbers

Titles and tags

Review sheet titles and tags

Sheet titles sourced from index sheet or previous version set. Tags assigned based on sheet numbers.

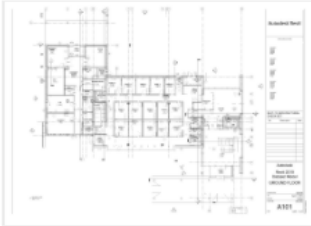
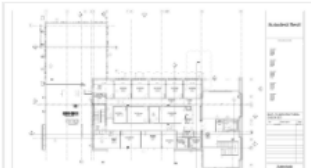
13 sheets total

Remove sheets

Draw sheet title area

Edit with rules

Edit Tags

<input type="checkbox"/> Sheet number	Sheet thumbnail	Sheet title
<input type="checkbox"/> A101		<div>Enter title</div> <div>architectural ×</div>
<input type="checkbox"/> A102		<div>Enter title</div> <div>architectural ×</div>

Row height

Save for later

Back to sheet numbers

Publish sheets

Autodesk Takeoff

- Publish Sheets – Sheet Title and Tags

12345 Small Medical Office Center

Publish sheets

Version set

Sheet numbers

Titles and tags

Review sheet titles and tags

Sheet titles sourced from index sheet or previous version set. Tags assigned based on sheet numbers.

13 of 13 sheets selected





Remove sheets

2

Draw sheet title area

Edit with rules

Edit Tags

<input checked="" type="checkbox"/> Sheet number	Sheet thumbnail	Sheet title
<div>1</div> <input checked="" type="checkbox"/> A101		<div>Enter title</div> <div>architectural ×</div>
<input checked="" type="checkbox"/> A102		<div>Enter title</div> <div>architectural ×</div>
<input checked="" type="checkbox"/> A201		<div>Enter title</div> <div>architectural ×</div>
<input checked="" type="checkbox"/> A202		<div>Enter title</div> <div>architectural ×</div>

Row height

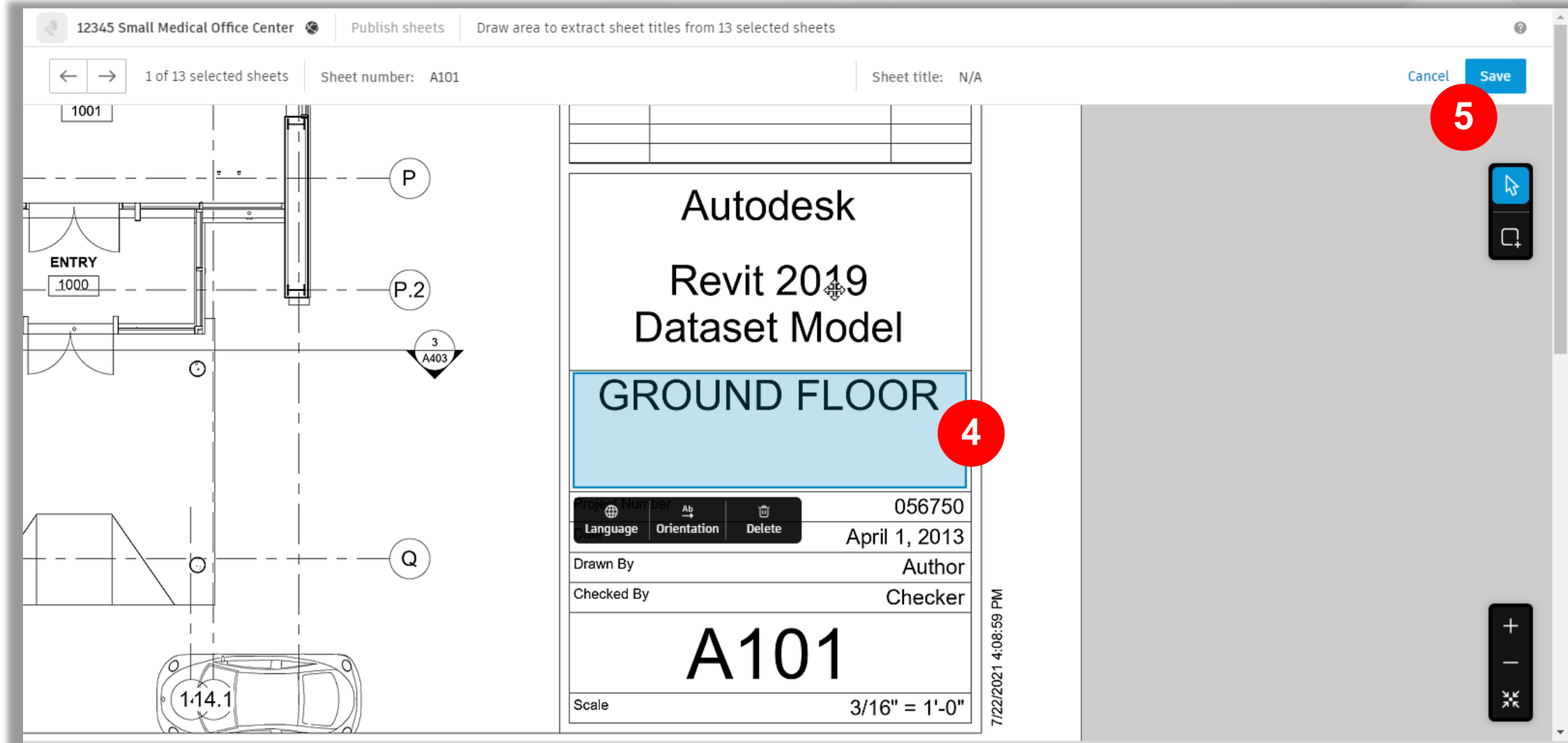
Save for later

Back to sheet numbers

Publish sheets

Autodesk Takeoff

- Publish Sheets – Sheet Title and Tags



Autodesk Takeoff

- Publish Sheets –Tags

12345 Small Medical Office Center

Publish sheets

REVIEW SHEET TITLES AND TAGS

Sheet titles sourced from index sheet or previous version set. Tags assigned based on sheet numbers.

2 of 13 sheets selected

Remove sheets

Draw sheet title area

Edit with rules

Edit Tags

Sheet number	Sheet thumbnail	Sheet title	
<input checked="" type="checkbox"/> A101	GROUND FLOOR	GROUND FLOOR	architectural ×
<input checked="" type="checkbox"/> A102	SECOND FLOOR	SECOND FLOOR	architectural ×
<input type="checkbox"/> A201	RCP- GROUND FLOOR	RCP- GROUND FLOOR	architectural ×
<input type="checkbox"/> A202	RCP - SECOND FLOOR	RCP - SECOND FLOOR	architectural ×
<input type="checkbox"/> A301	ELEVATIONS	ELEVATIONS	architectural ×

Row height

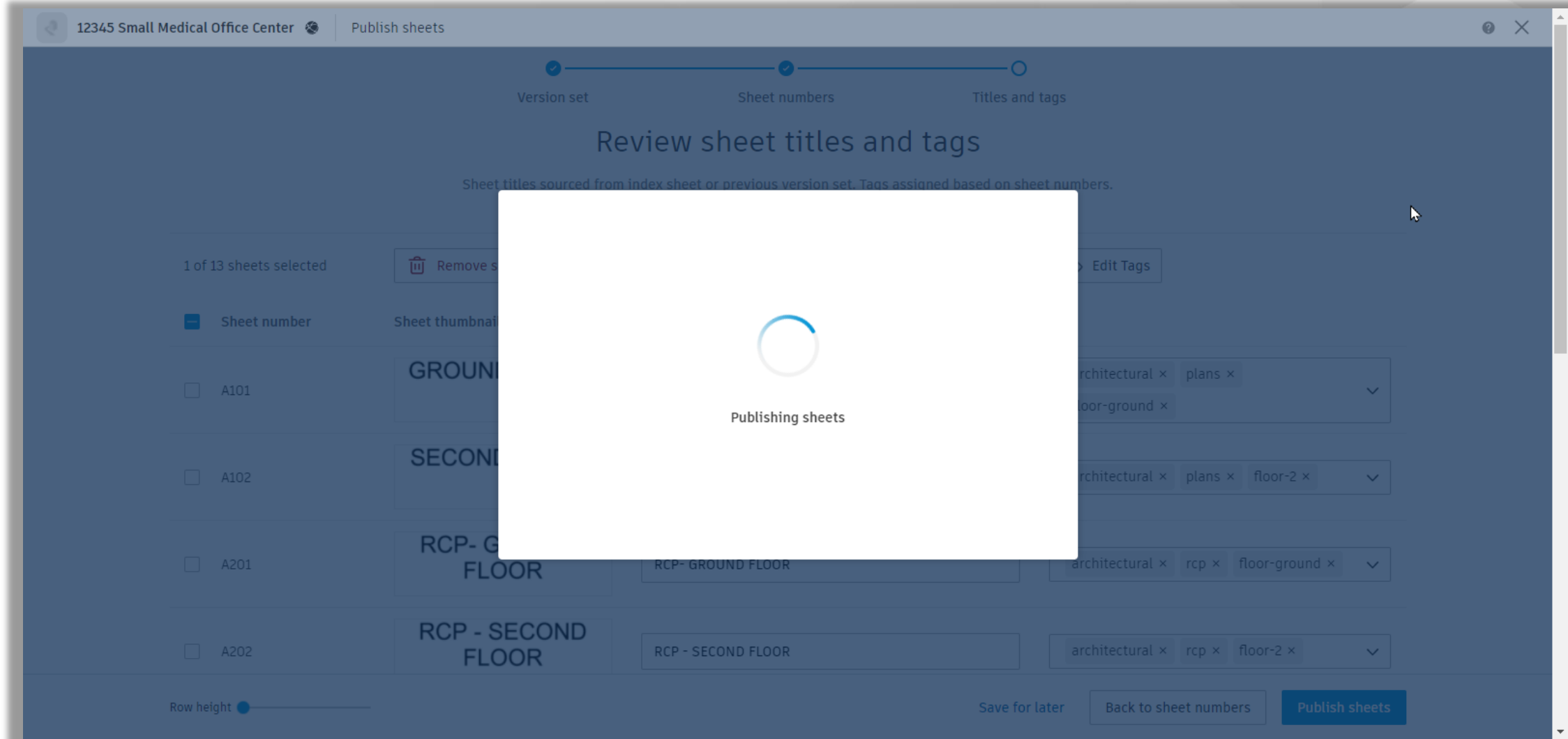
Save for later

Back to sheet numbers

Publish sheets

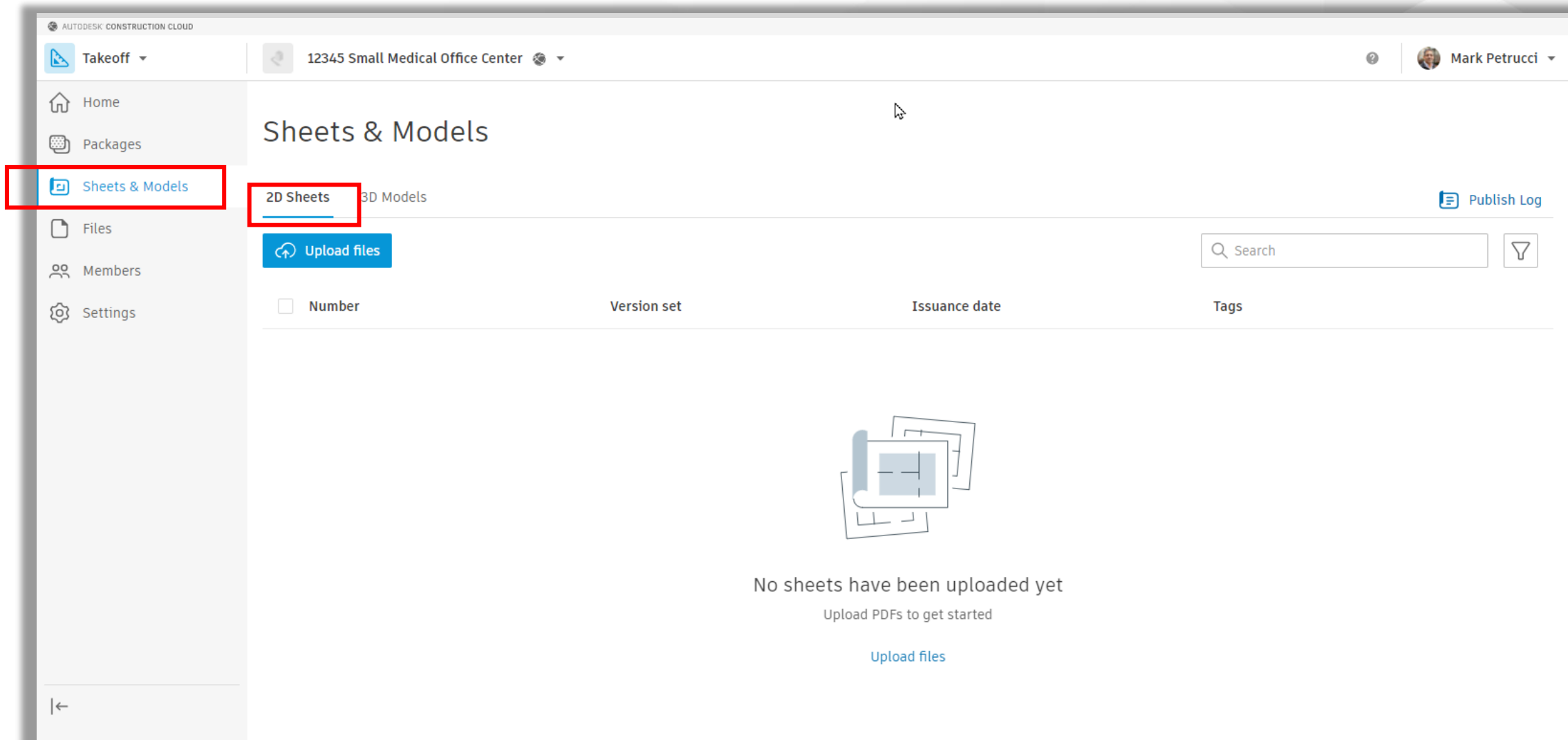
Autodesk Takeoff

- Publish Sheets –Tags



Sheet & Models

- Sheets & Models – Publishing from Docs



Autodesk Takeoff

- Publish Sheets

AUTODESK CONSTRUCTION CLOUD

Takeoff 12345 Small Medical Office Center Mark Petrucci

Home Packages **Sheets & Models** Files Members Settings

2D Sheets 3D Models Publish Log

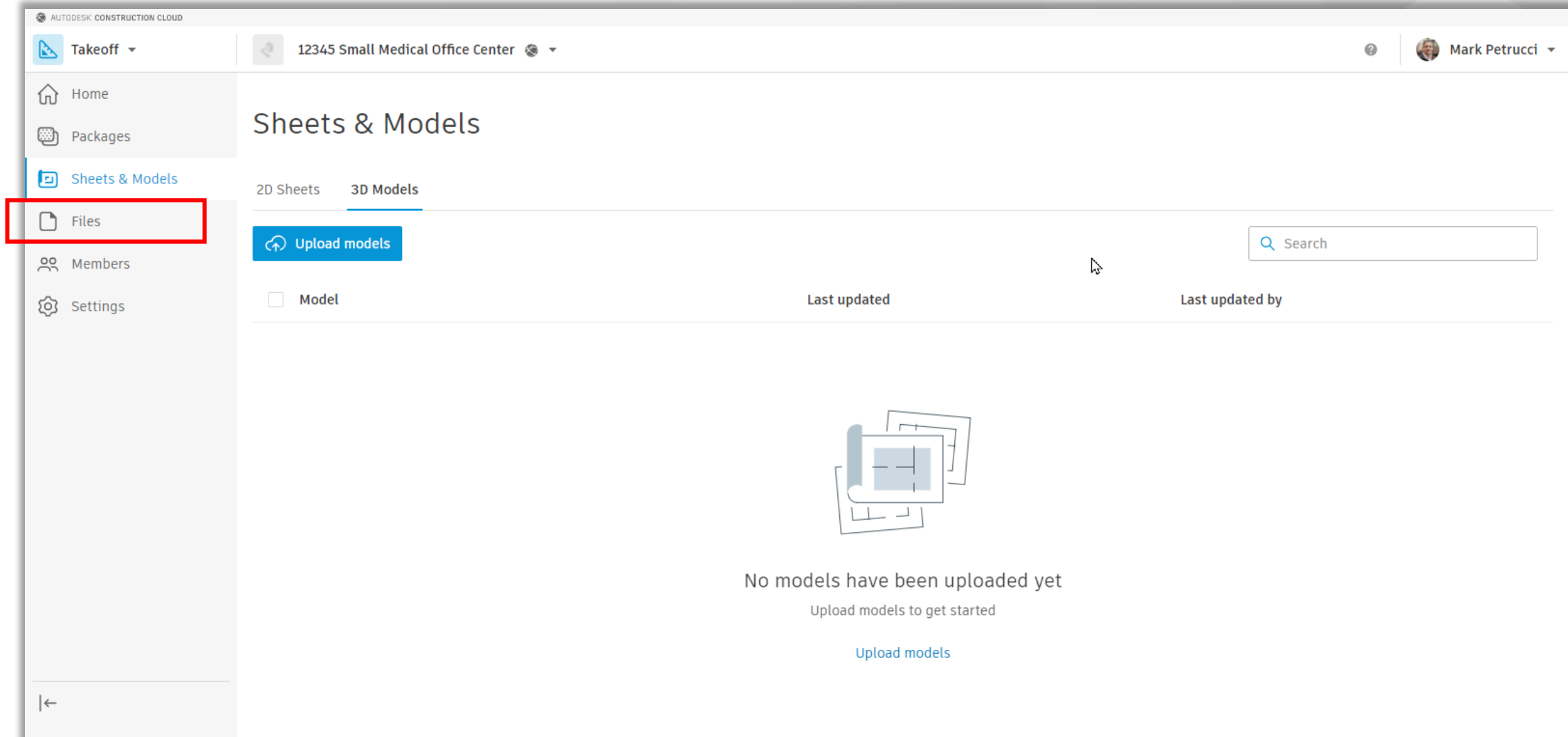
Upload files Search

<input type="checkbox"/> Number	Version set	Issuance date	Tags
<input type="checkbox"/> A101 GROUND FLOOR	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, plans, floor-ground
<input type="checkbox"/> A102 SECOND FLOOR	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, plans, floor-2
<input type="checkbox"/> A201 RCP - GROUND FLOOR	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, rcp, floor-ground
<input type="checkbox"/> A202 RCP - SECOND FLOOR	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, rcp, floor-2
<input type="checkbox"/> A301 ELEVATIONS	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, elevations
<input type="checkbox"/> A302 ELEVATIONS	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, elevations
<input type="checkbox"/> A303 INTERIOR ELEVATIONS	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, elevations
<input type="checkbox"/> A401 SECTIONS	V1 Architectural Files - First Upload	Aug 1, 2021	architectural, sections

Showing 1 - 13 of 13 1 of 1

Autodesk Takeoff

- 3D Models



Autodesk Takeoff

- 3D Models

AUTODESK CONSTRUCTION CLOUD

Takeoff 12345 Small Medical Office Center Mark Petrucci

Home Packages Sheets & Models Files Members Settings

Project Files

Folders

For the Field

Upload files Publish to Takeoff Sheets & Models

Holding area Deleted items Settings

Search

Name ^	Description	Version	Markup	Size	Last updated	Up	
<input checked="" type="checkbox"/> 2021_Sm Med Office-ARCH.pdf		V1	SS	4.1 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-ARCH.rvt		V1	SS	19.3 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-MEP.rvt		V1	SS	21.1 MB	Jul 22, 2021 8:3...		
<input type="checkbox"/> 2021_Sm Med Office-STRUC.rvt		V1	SS	7.9 MB	Jul 22, 2021 8:3...		

1 of 4 selected

Autodesk Takeoff

- 3D Models

The screenshot shows the Autodesk Takeoff interface for a project named "12345 Small Medical Office Center". The left sidebar contains navigation options: Home, Packages, Sheets & Models, Files (selected), Members, and Settings. The main area displays "Project Files" with a "Folders" section on the left showing a tree structure: Project Files > Files For Teachers To Download > Version 1 (selected) > Version 2 > Last Name A-J > Last Name K-S > Last Name T-Z. The right pane shows a table of files with columns: Name, Description, Version, Markup, Size, Last updated, and Up. Four files are listed, with the first two selected. A red box highlights the "Upload files" button and the "Move" button. A red callout bubble points to the "Upload files" button with the text: "Can't Publish to Takeoff Sheets and Models. Download to PC then use Upload Button in Takeoff".

Project Files

Folders

- For the Field
- Project Files
 - Files For Teachers To Download
 - Version 1
 - Version 2
 - Last Name A-J
 - Last Name K-S
 - Last Name T-Z

File List:

Name	Description	Version	Markup	Size	Last updated	Up
<input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf		V1		4.1 MB	Jul 22, 2021 8:3...	
<input checked="" type="checkbox"/> 2021_Sm Med Office-ARCH.rvt					Jul 22, 2021 8:3...	
<input type="checkbox"/> 2021_Sm Med Office-MEP.rvt					Jul 22, 2021 8:3...	
<input checked="" type="checkbox"/> 2021_Sm Med Office-STRUC.rvt					Jul 22, 2021 8:3...	

Buttons: Upload files, Move

Callout: Can't Publish to Takeoff Sheets and Models. Download to PC then use Upload Button in Takeoff

Autodesk Takeoff

- 3D Models

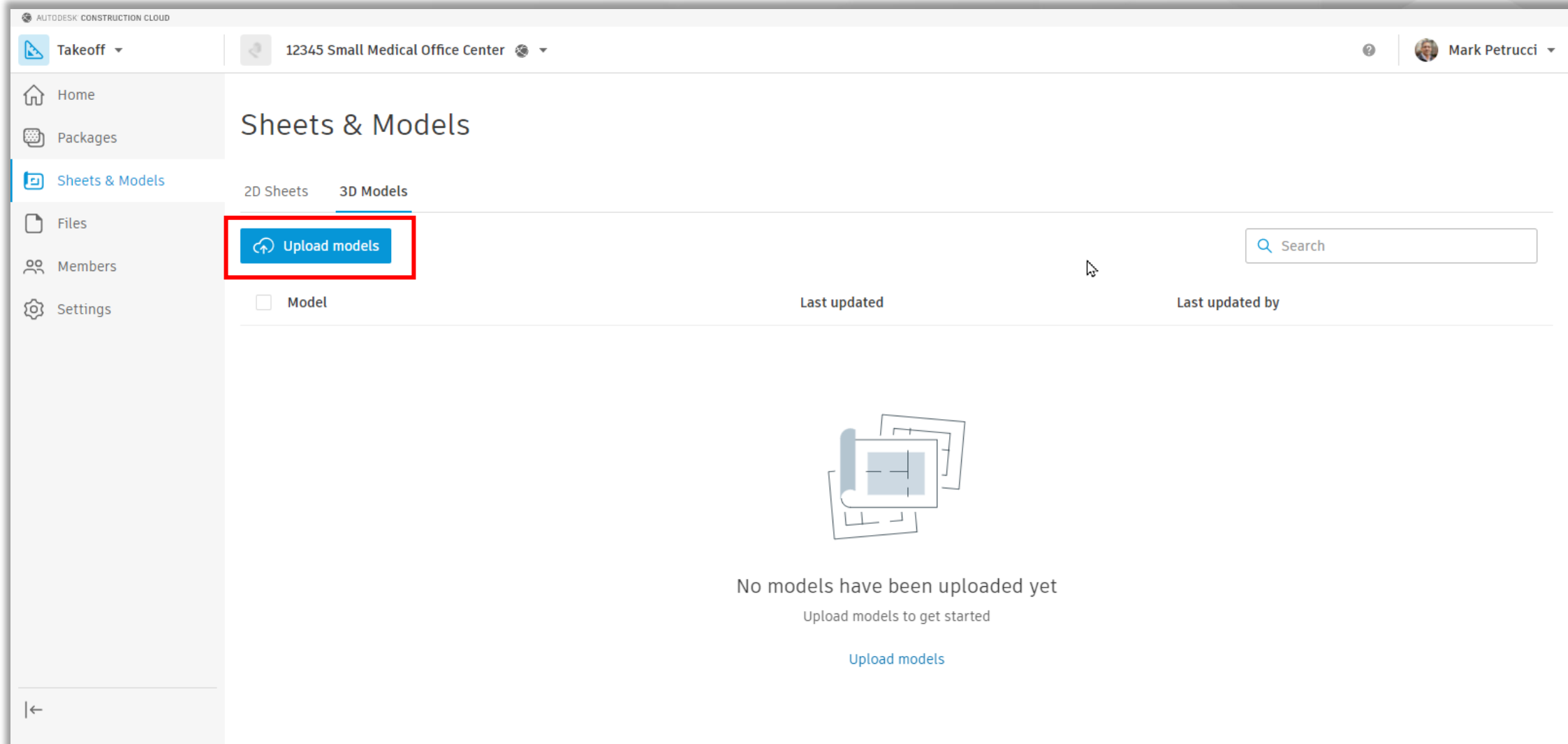
The screenshot shows the Autodesk Construction Cloud interface for a project named "12345 Small Medical Office Center". The "Project Files" section is active, displaying a list of files. A context menu is open over the selected files, showing options like "Copy", "Share", "Lock", "Delete", "Edit attribute values", "Download source files", "Submit for review", and "Create transmittal". Red annotations highlight the "Download source files" option and the "Version" column header. A red arrow points from the "Download source files" option to a computer icon.

Name	Version	Markup	Size	Last updated	Up
2021_Sm Med Office-ARCH.pdf	V1		4.1 MB	Jul 22, 2021 8:3...	
2021_Sm Med Office-ARCH.rvt	V1		19.3 MB	Jul 22, 2021 8:3...	
2021_Sm Med Office-MEP.rvt	V1		21.1 MB	Jul 22, 2021 8:3...	
2021_Sm Med Office-STRUC.rvt	V1		7.9 MB	Jul 22, 2021 8:3...	

2 of 4 selected

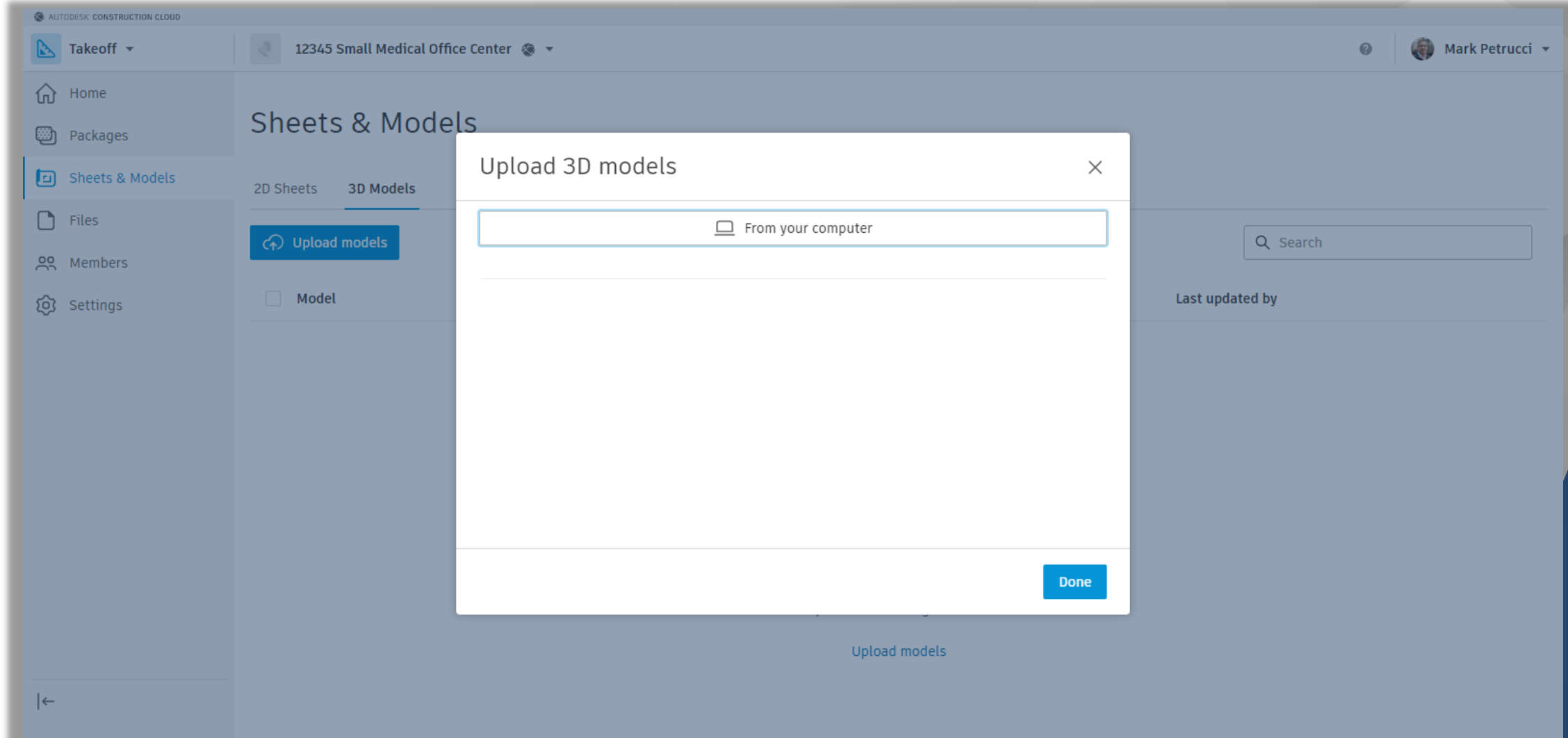
Autodesk Takeoff

- 3D Models



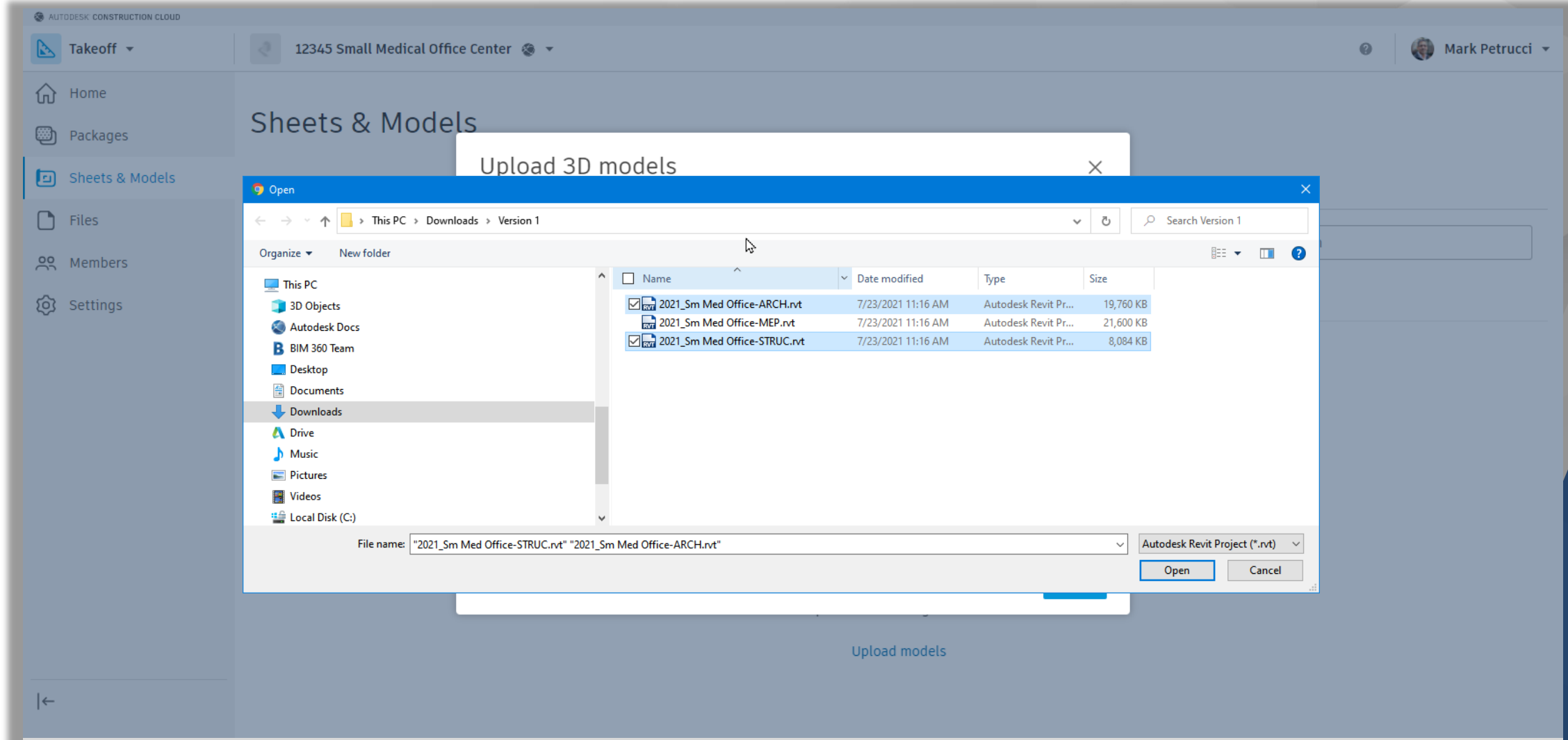
Autodesk Takeoff

- 3D Models



Autodesk Takeoff

- 3D Models



Autodesk Takeoff

- 3D Models

AUTODESK CONSTRUCTION CLOUD

Takeoff ▾

12345 Small Medical Office Center ▾

Mark Petrucci ▾

Home

Packages

Sheets & Models

Files

Members

Settings

Sheets & Models

2D Sheets 3D Models

Upload models

Search

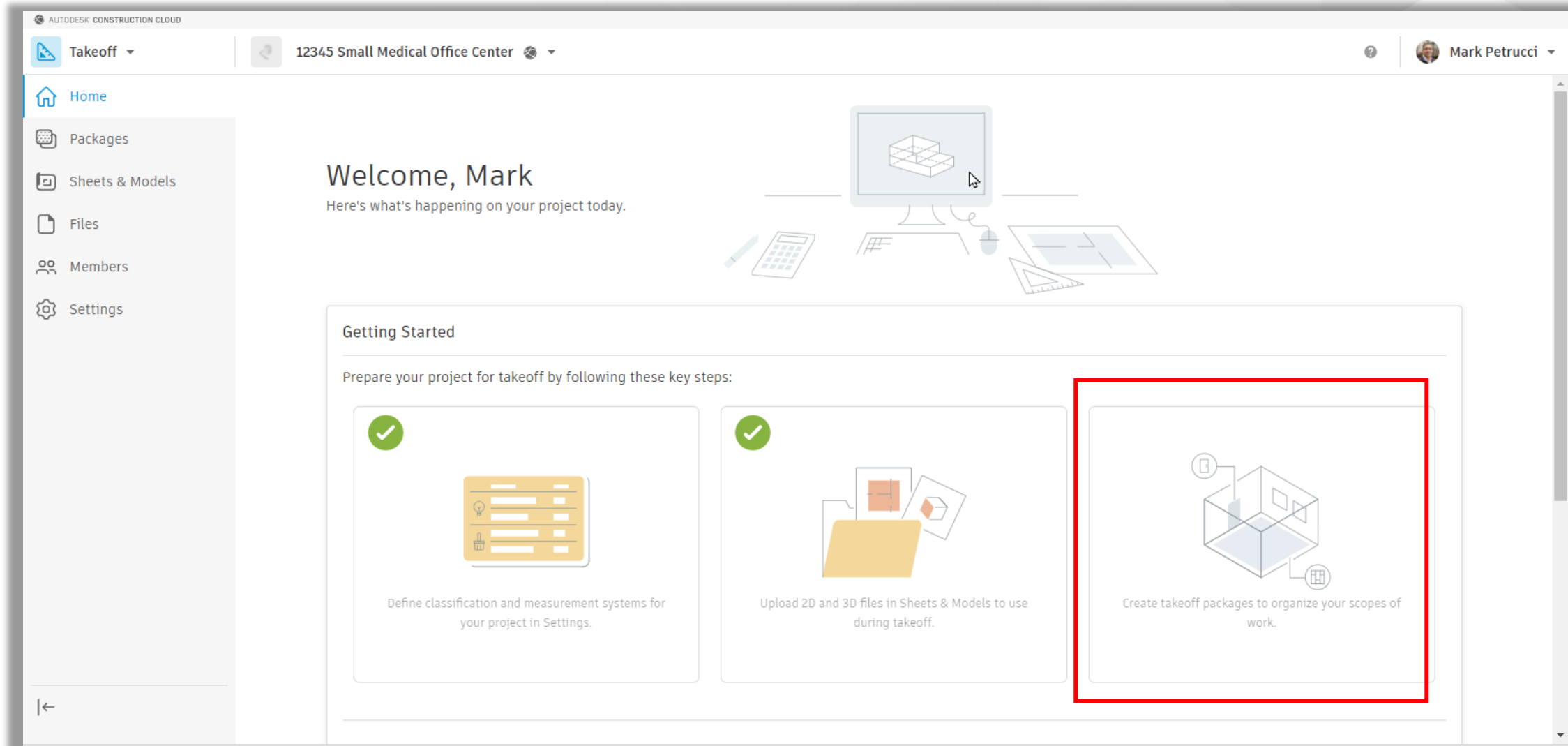
<input type="checkbox"/>	Model		Last updated	Last updated by
<input type="checkbox"/>	2021_Sm Med Office-ARCH.rvt 3D Building	V1	Jul 26, 2021 1:13:57 PM	Mark Petrucci
<input type="checkbox"/>	2021_Sm Med Office-STRUC.rvt 3D Structural - All	V1	Jul 26, 2021 1:12:58 PM	Mark Petrucci

Showing 1 - 2 of 2

1 of 1

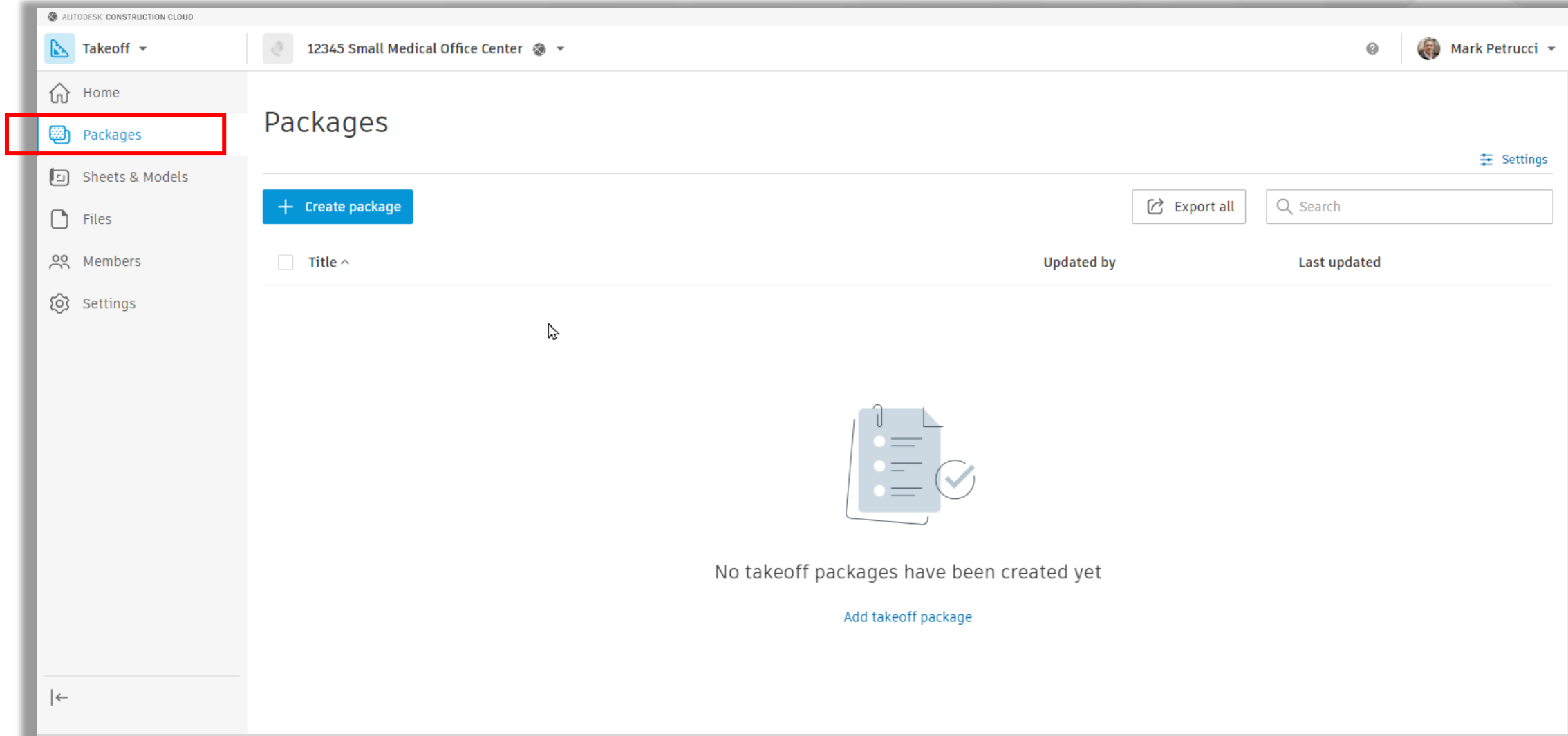
Autodesk Takeoff

- Packages



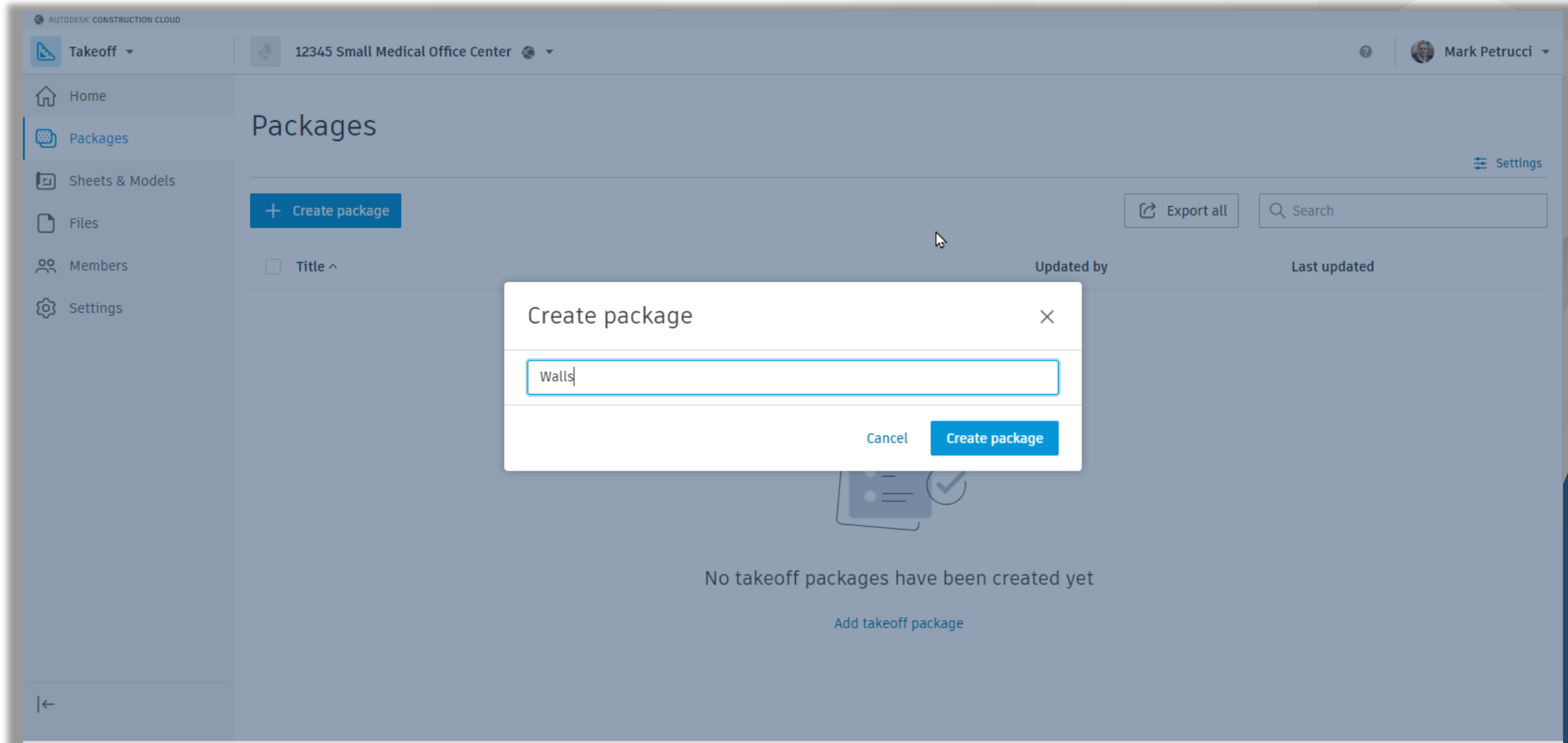
Autodesk Takeoff

- Packages



Autodesk Takeoff

- Creating Packages



Autodesk Takeoff

- Begin Takeoff

The screenshot displays the Autodesk Takeoff web application interface. The top navigation bar includes the Autodesk Construction Cloud logo, a project name '12345 Small Medical Office Center', and a user profile for Mark Petrucci. A left sidebar contains navigation links: Home, Packages (highlighted), Sheets & Models, Files, Members, and Settings. The main content area is titled 'Packages' and features a '+ Create package' button, an 'Export all' button, and a search bar. Below these is a table with three columns: 'Title ^', 'Updated by', and 'Last updated'. The table lists two packages: 'Flooring' and 'Walls', both updated by Mark Petrucci on July 26, 2021. A red callout bubble with the text 'Select a Package to begin a Takeoff' points to the 'Flooring' package. The bottom of the interface shows a pagination bar indicating 'Showing 1 - 2 of 2' and navigation controls.

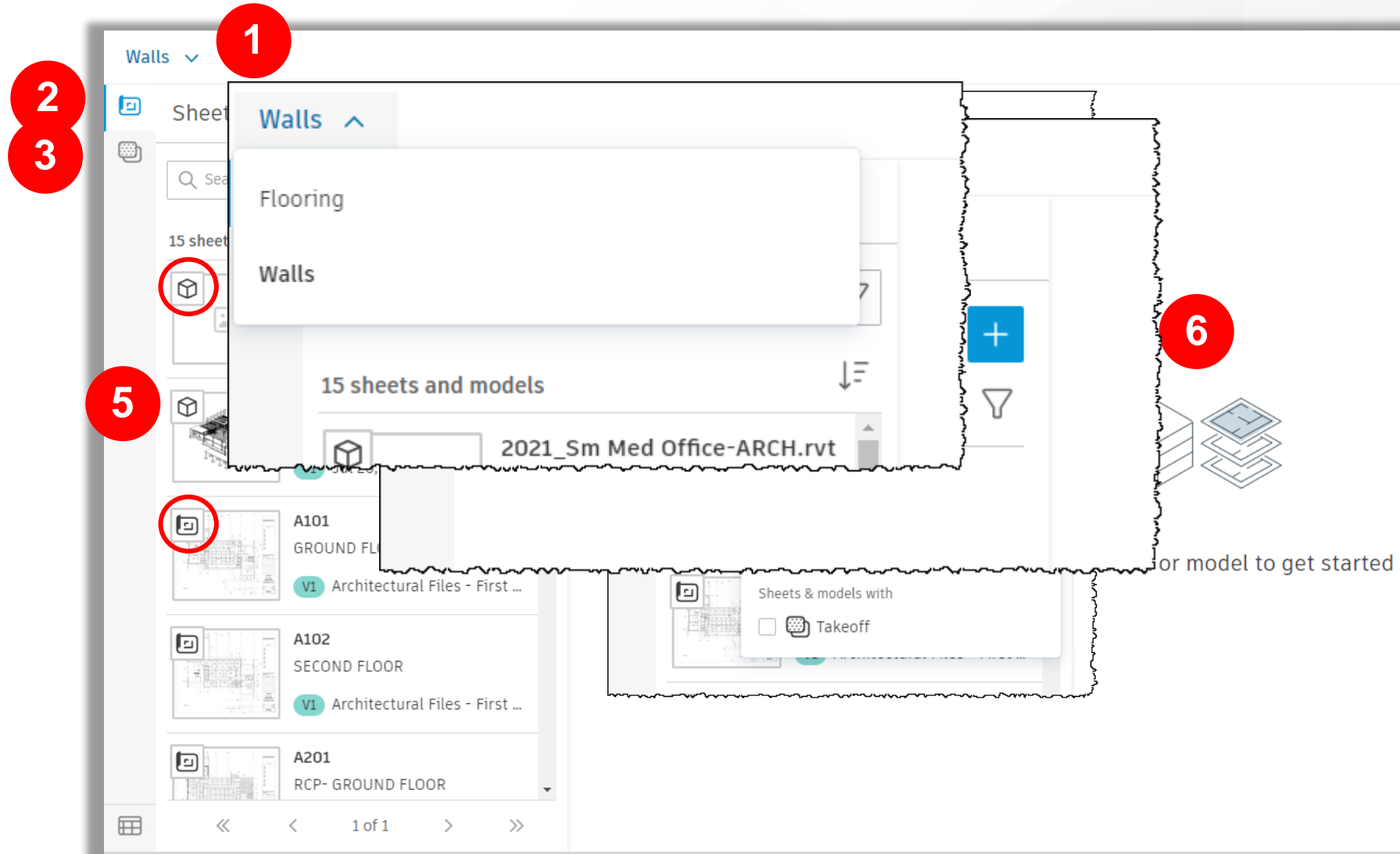
<input type="checkbox"/> Title ^	Updated by	Last updated
<input type="checkbox"/> Flooring	Mark Petrucci	Jul 26, 2021 1:21:27 PM
<input type="checkbox"/> Walls	Mark Petrucci	Jul 26, 2021 1:21:18 PM

Select a Package to begin a Takeoff

Showing 1 - 2 of 2

Autodesk Takeoff

- Takeoff Viewer

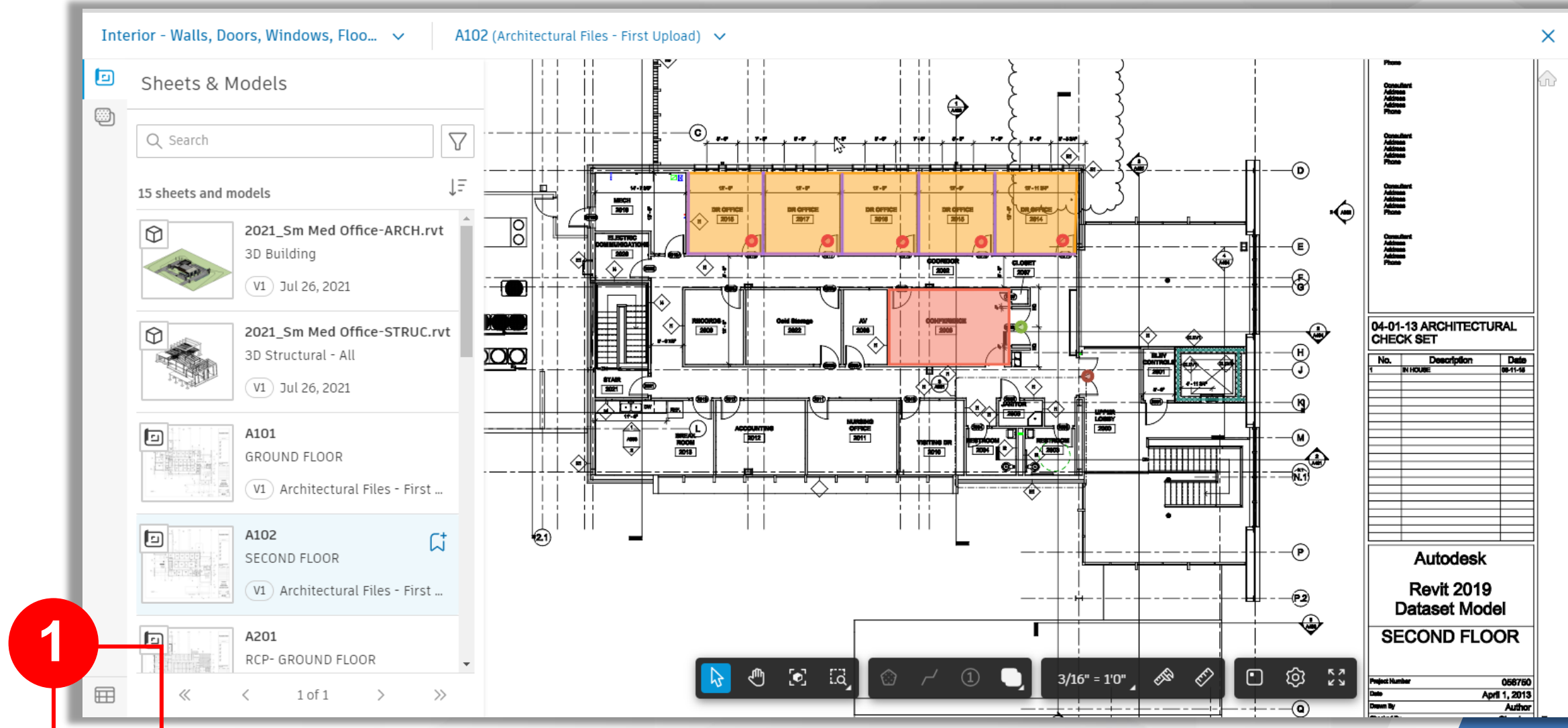




DIGITAL
CONSTRUCTION
SUMMER SCHOOL

Hands On!

- Inventory / Reports



Autodesk Takeoff

- Inventory / Reports

Interior - Walls, Doors, Windows, Floo...

A102 (Architectural Files - First Upload)

Sheets & Models

Search

15 sheets and models

2021_Sm Med Office-ARCH.rvt

3D Building

V1 Jul 26, 2021

2021_Sm Med Office-STRUC.rvt

3D Structural - All

<<

<

1 of 1

>

>>

3/16" = 1'0"

Autodesk

Revit 2019

Desktop Model

Export

Inventory

Group by

Document

Name ^	Count	Quantity	Unit	Code	Description	Document
▼ A101	3	3	EA			A101
3-0 Interior Door - MJP	1	1	EA	C1030	Interior Doors	A101
6-0 Double Door - MJP	1	1	EA	C1030	Interior Doors	A101
Carpeting - MJP	1	1	EA	C2030	Flooring	A101
▼ A102	18					A102
12" CMU Wall - MJP	2	37.10	LF	C1010	Interior Partitions	A102

Click on an item in the left panel to view instances

1

Autodesk Takeoff

- Inventory / Reports

Autodesk Takeoff Inventory - Google Chrome

acc.autodesk.com/takeoff/assets-no-cache/inventoryTable.html

Inventory

Group by Document

1

3

2

Name ^	Count	Quantity	Unit	Code	Description	Document	3-0 Interior Door - MJP
▼ A101	3	3	EA			A101	<input type="checkbox"/> Takeoff Name Quantity Unit Document
3-0 Interior Door - MJP	1	1	EA	C1030	Interior Doors	A101	<input type="checkbox"/> ① 3-0 Interior Door - ... 1 EA A102
6-0 Double Door - MJP	1	1	EA	C1030	Interior Doors	A101	<input type="checkbox"/> ① 3-0 Interior Door - ... 1 EA A102
Carpeting - MJP	1	1	EA	C2030	Flooring	A101	<input type="checkbox"/> ① 3-0 Interior Door - ... 1 EA A102
▼ A102	18					A102	<input type="checkbox"/> ① 3-0 Interior Door - ... 1 EA A102
12" CMU Wall - MJP	2	37.10	LF	C1010	Interior Partitions	A102	<input type="checkbox"/> ① 3-0 Interior Door - ... 1 EA A102
3-0 Interior Door - MJP	5	5	EA	C1030	Interior Doors	A102	
3/4" Hardwood - MJP	1	1	EA	C2030	Flooring	A102	
5" Wall - MJP	7	127.33	LF	C1010	Interior Partitions	A102	
6-0 Double Door - MJP	1	1	EA	C1030	Interior Doors	A102	
6-0 Glass Double Door - MJP	1	1	EA	C1030	Interior Doors	A102	
Carpeting - MJP	1	1	EA	C2030	Flooring	A102	

4

5

Export

Item count: 5



DIGITAL
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Q & A



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