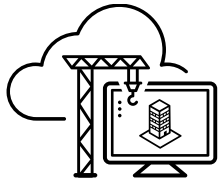


DIGITAL
CONSTRUCTION
SUMMER SCHOOL

Autodesk Takeoff

Day 3 | 3:15pm – 5:00pm





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

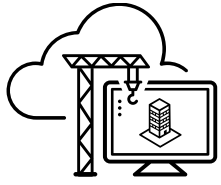


DIGITAL
CONSTRUCTION

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
- Extra Videos – Updates and Formulas

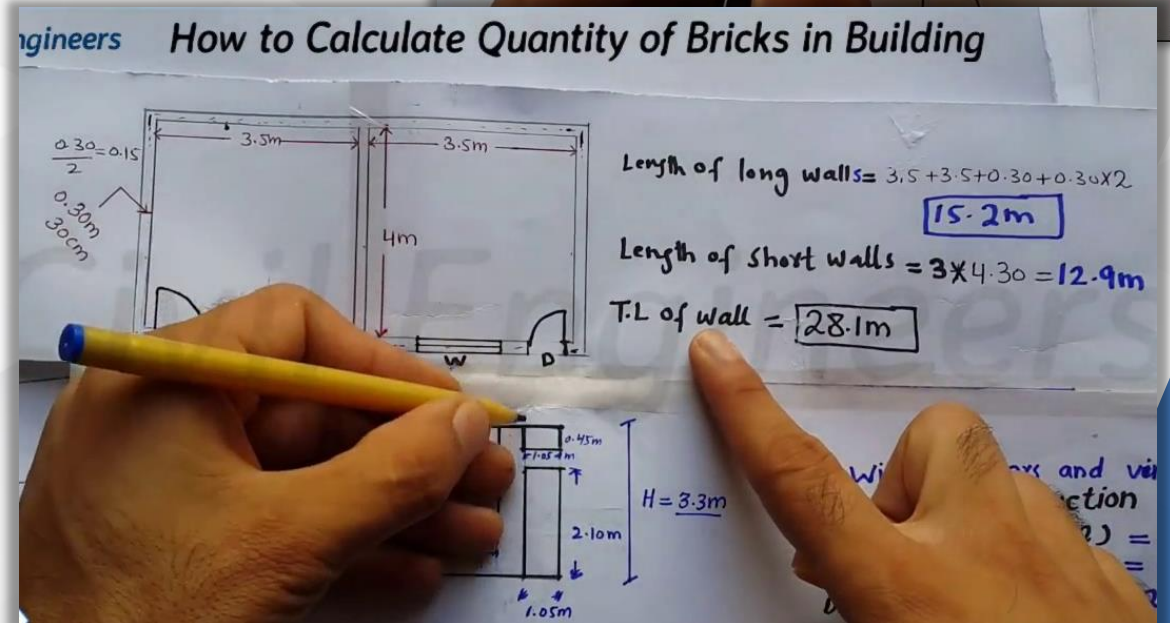
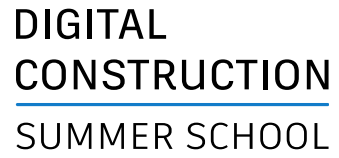


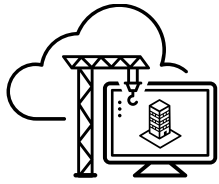
DIGITAL
CONSTRUCTION

SUMMER SCHOOL

Autodesk Takeoff

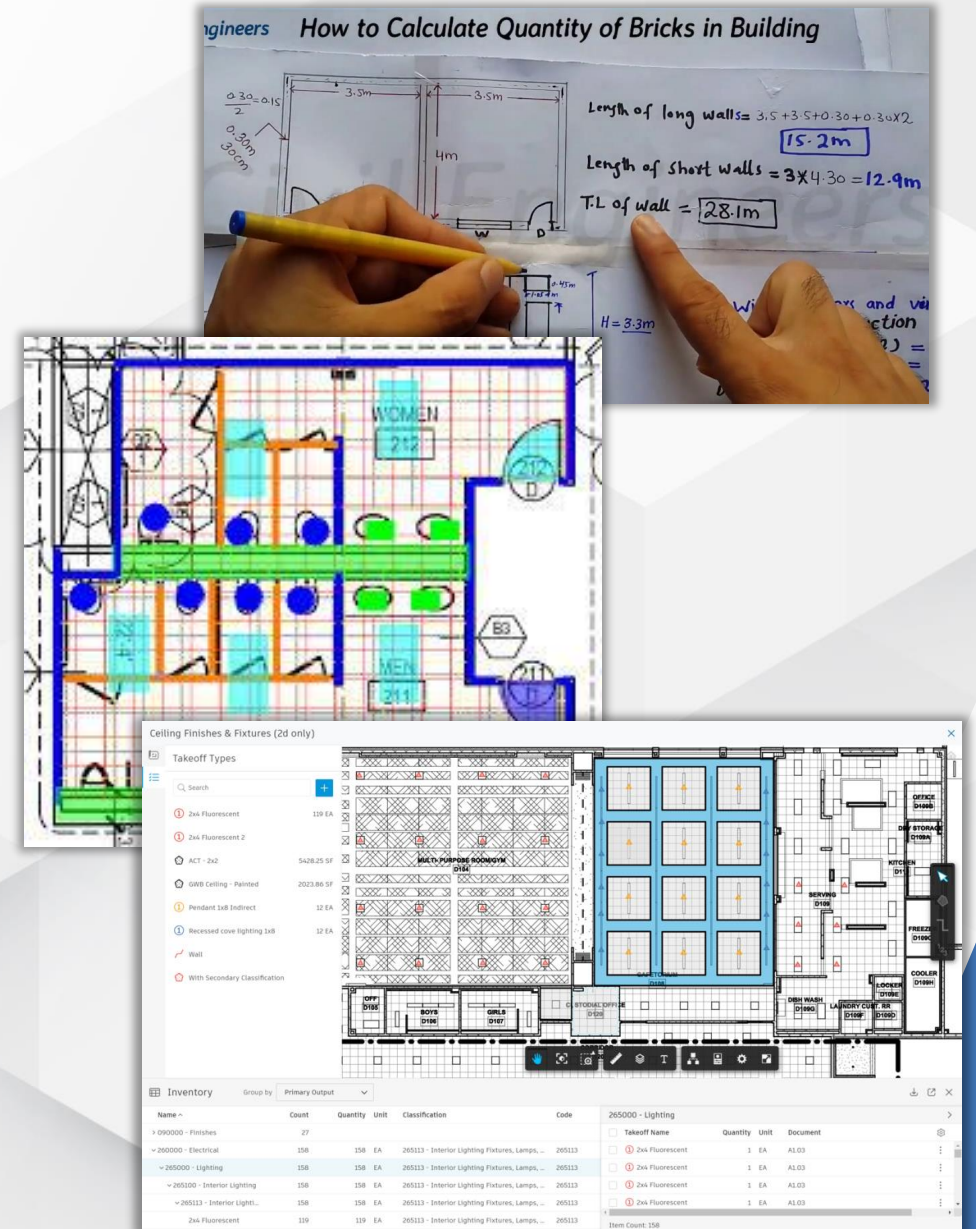


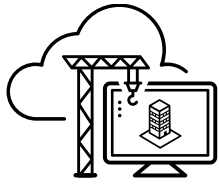




Who and How

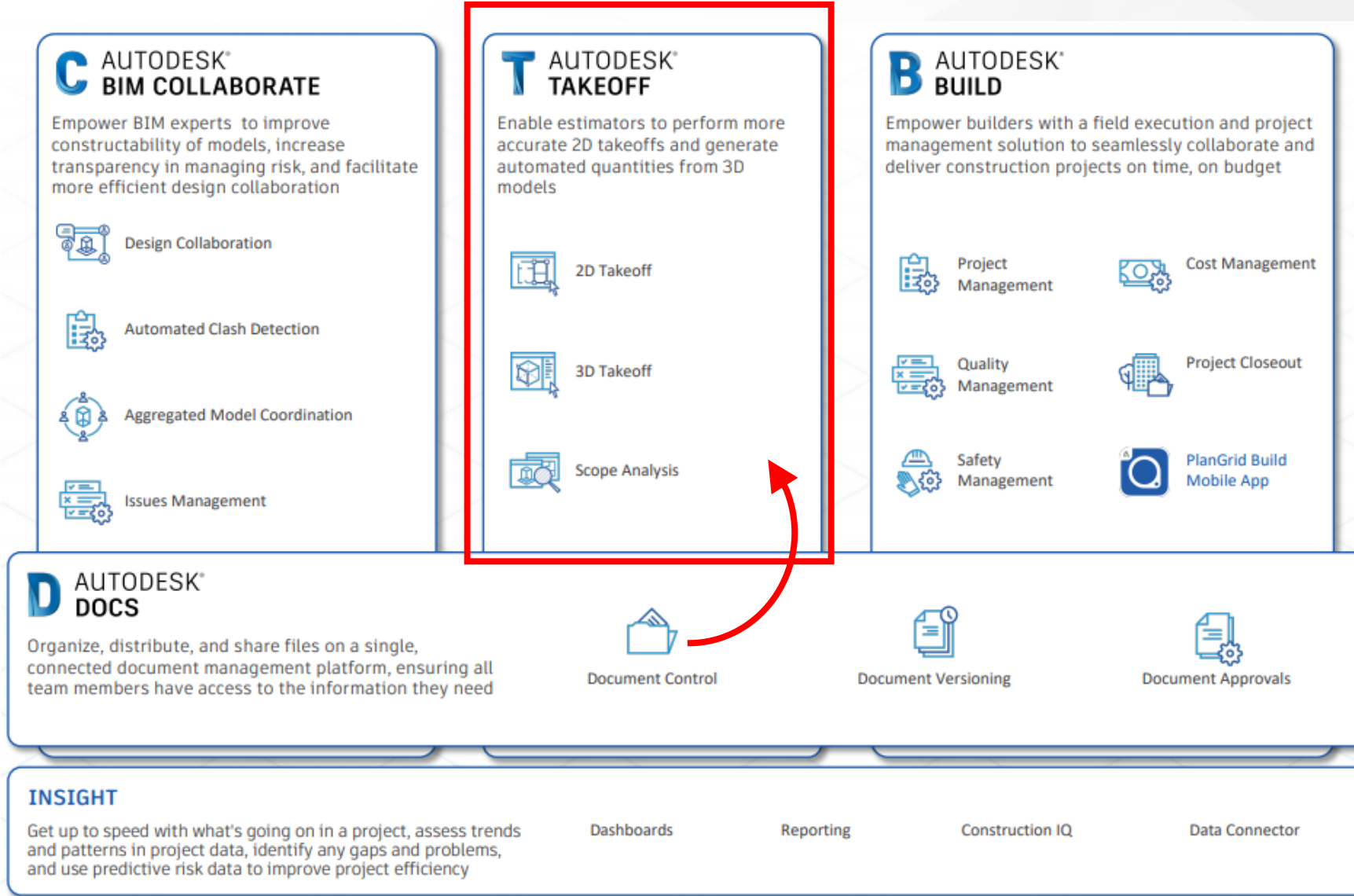
- Who does takeoffs
 - Estimators, Contractors
- How do you do takeoffs
 - Paper – visually count by highlighting with colored markers
 - PDFs – 2D. Visually count by electronically highlighting with colored lines and shapes
 - Model – 3D. Count objects based on their properties. BIM! But estimators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

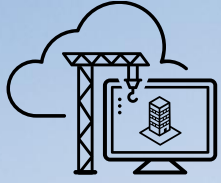




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Autodesk Construction Cloud





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CONSTRUCTION
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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 left, the Autodesk logo and 'AUTODESK CONSTRUCTION CLOUD' are visible. On the top right, a user profile for 'Mark Petrucci' is shown with a dropdown arrow, accompanied by a red circle with the number '2'. Below the header, the 'Project List' title is highlighted with a red circle and the number '1'. To the right of the title are links for 'Account administration', 'Insight', and 'PlanGrid projects'. Below the title, there are two tabs: 'Projects' (active) and 'Project Templates', with a red circle and the number '3' next to 'Projects'. A blue '+ Create project' button is located on the left. On the right, there is a search bar with the placeholder text 'Search projects by name' and a red circle with the number '5' next to it. The main content area is a table with two columns: 'Name' and 'Created On'. The first row of the table is highlighted with a red box and contains a project icon, the name '12345 Small Medical Office Center', and the date 'July 21, 2021'. The second row shows 'Test Project' with the date 'July 20, 2021'. The third row shows 'Falcon Training' with the date 'July 14, 2021'. The fourth row shows 'JMB Sandbox' with the address '123 Main Street' and the date 'July 13, 2021'. The fifth row shows 'Milwaukee Tool Red Beacon - HVAC (214787) & PLBG (214788)' with the address '501 W. Michigan St.' and the date 'July 2, 2021'. A red circle with the number '4' is placed over the middle of the table. At the bottom left, it says 'Showing 1-25 of 110'. At the bottom right, there are pagination controls: '<< < 1 of 5 > >>'. The background of the slide features a faint geometric pattern.

| 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 |

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" dropdown menu.

1

2

3

4

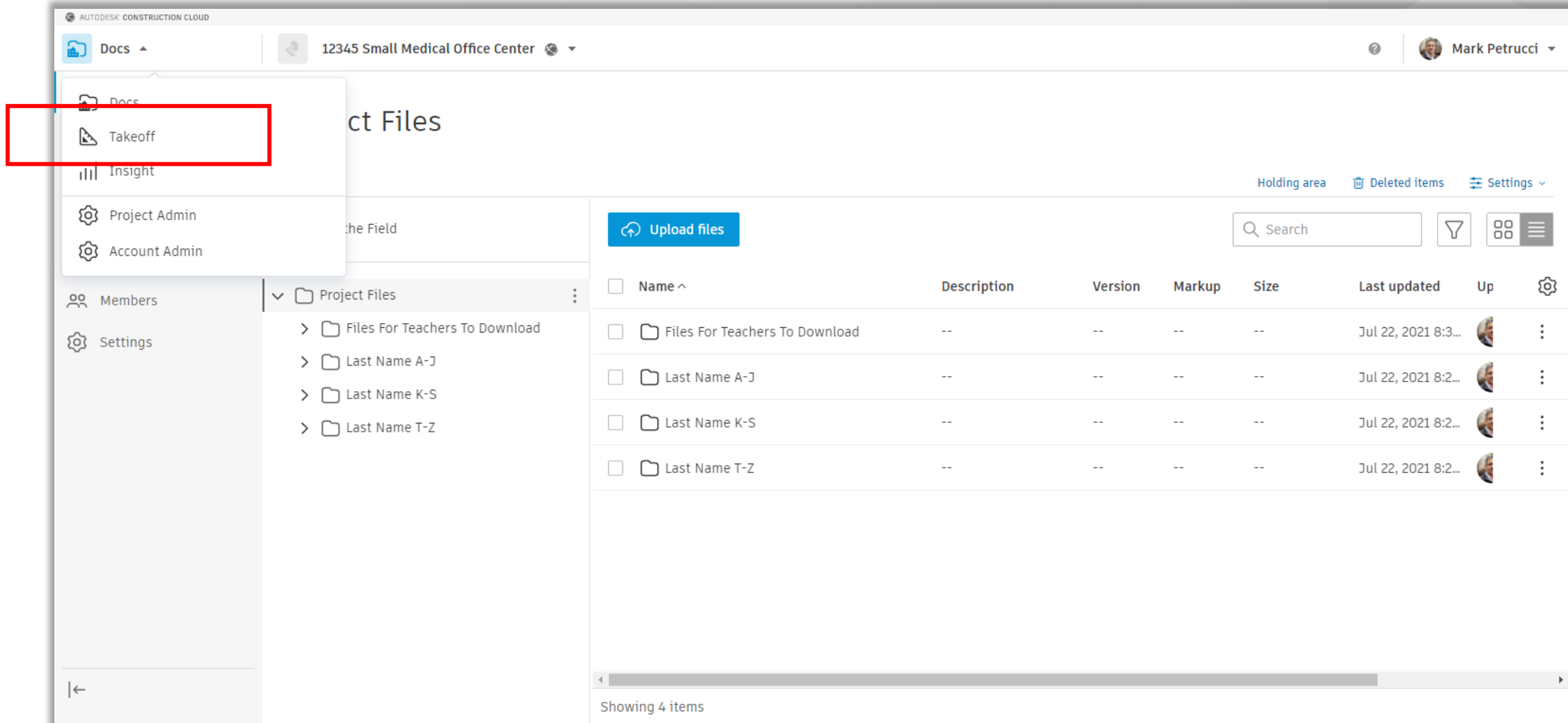
5

| 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

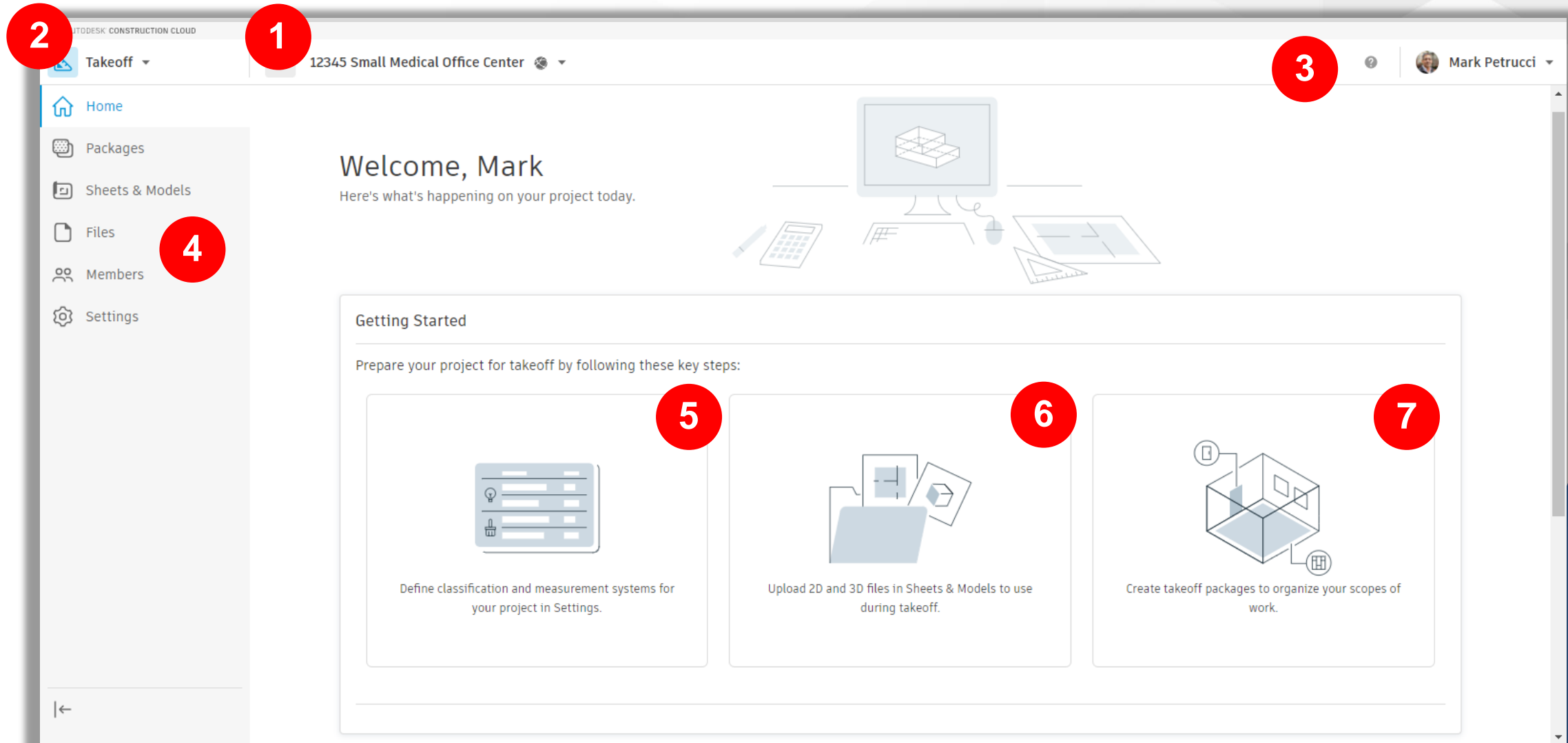
Autodesk Takeoff

- Autodesk Docs User Interface



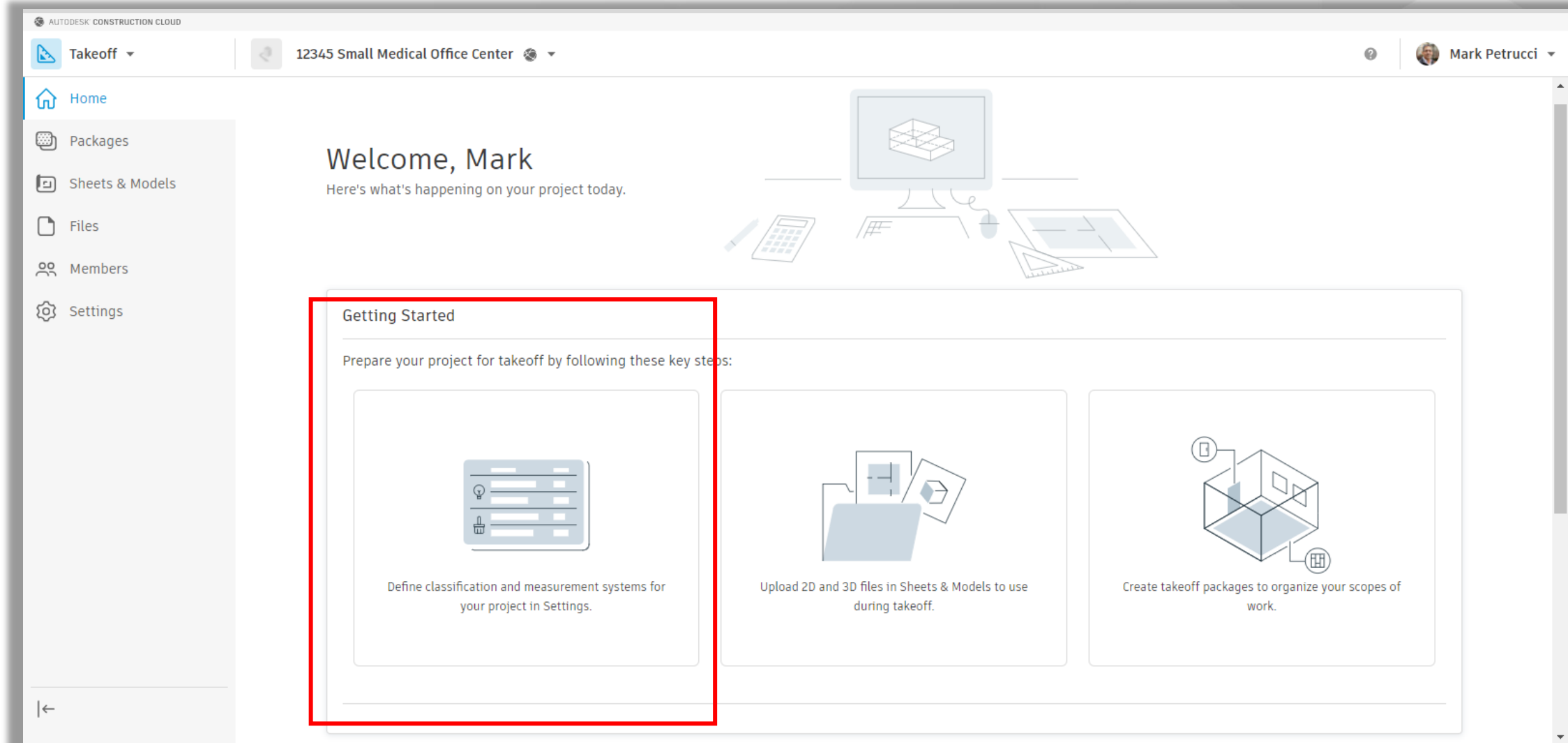
Autodesk Takeoff

- Autodesk Takeoff User Interface



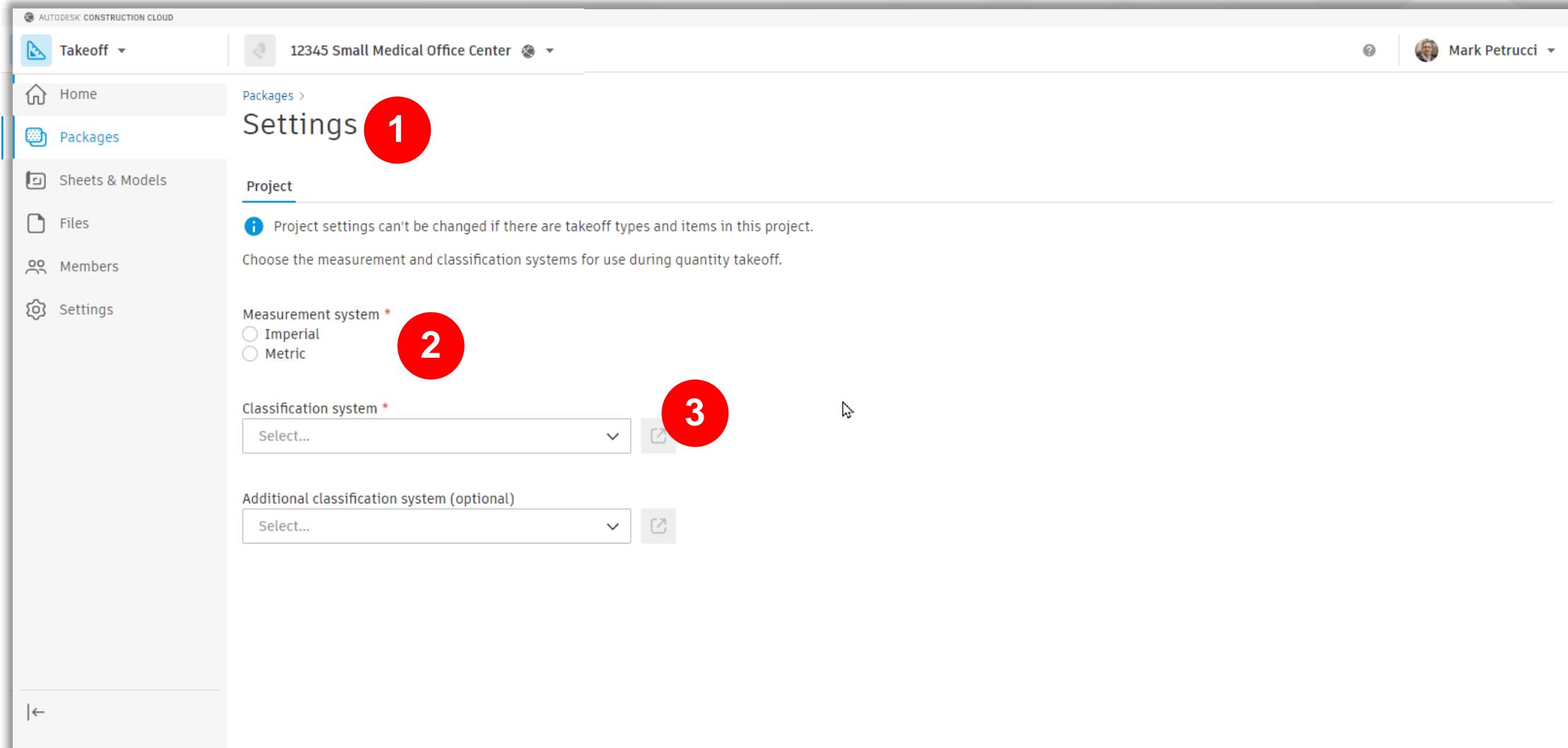
Autodesk Takeoff

- 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 screenshot displays the Autodesk Takeoff web interface. The top navigation bar includes a 'Docs' dropdown menu, which is highlighted with a red box. Below this, the 'Project Files' section is visible, showing a list of folders and files. A red box highlights a list of files, including 'UniformatClassifications_2010 Example...', 'OmniClass Table 23 Classification Exam...', and 'MasterFormat Classification Example.xl...'. A red arrow points from this list to a red icon representing a computer and server. Another red arrow points from the icon to a modal window titled 'Upload custom classification system'. This modal window contains instructions on how to add a custom classification system, including steps to download a template, edit it, and then import it. Below the modal, the 'Settings' panel is visible, showing the 'Measurement system' set to 'Imperial' and the 'Classification system' dropdown menu, which also has a red box around it.

Autodesk Takeoff interface showing the 'Docs' menu and 'Project Files' section. The 'Upload files' button is visible. A red box highlights a list of files, including 'UniformatClassifications_2010 Example...', 'OmniClass Table 23 Classification Exam...', and 'MasterFormat Classification Example.xl...'. A red arrow points from this list to a red icon representing a computer and server. Another red arrow points from the icon to a modal window titled 'Upload custom classification system'. This modal window contains instructions on how to add a custom classification system, including steps to download a template, edit it, and then import it. Below the modal, the 'Settings' panel is visible, showing the 'Measurement system' set to 'Imperial' and the 'Classification system' dropdown menu, which also has a red box around it.

Autodesk Takeoff

- Classification Systems

Autodesk Construction Cloud

Takeoff

12345 Small Medical Office Center

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 *

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

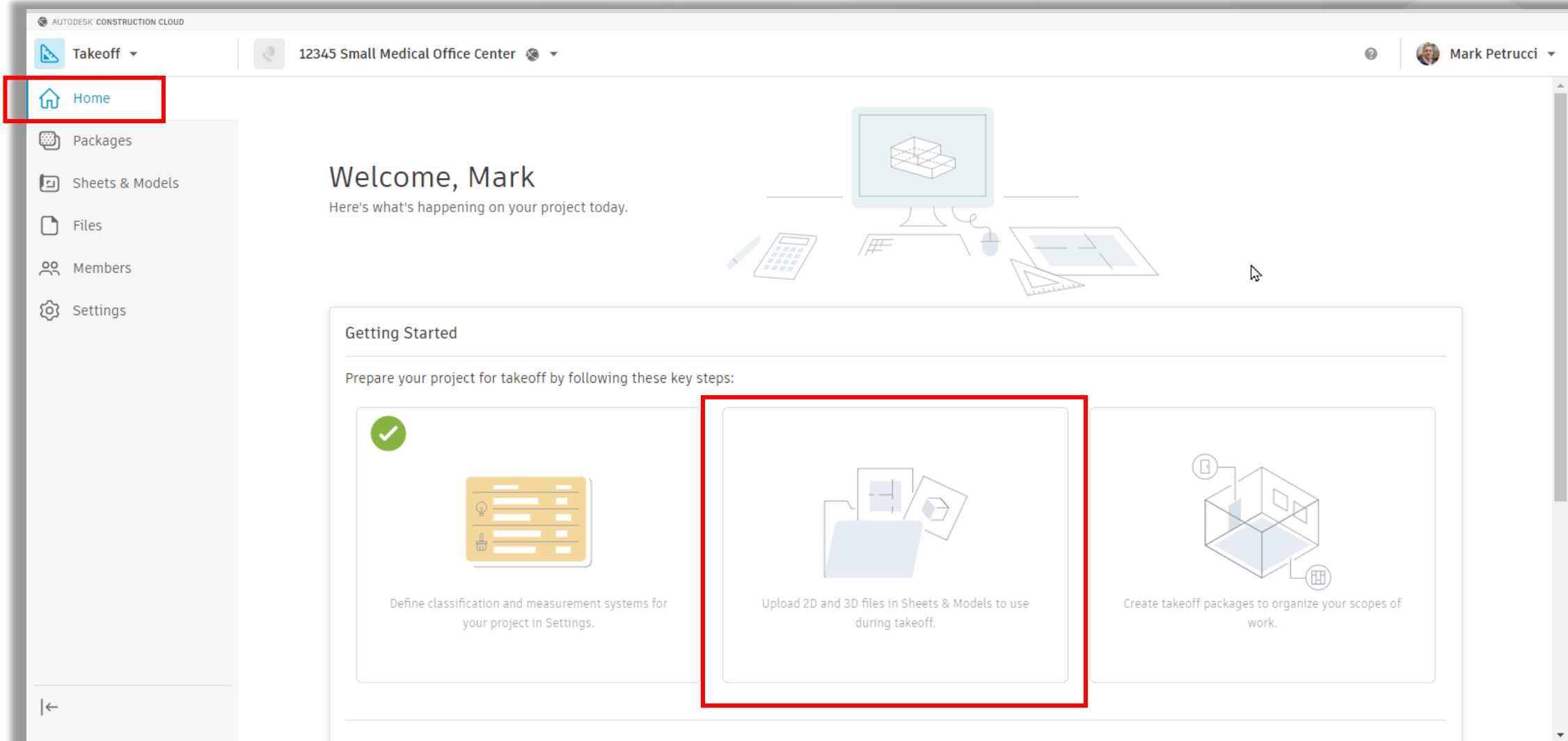
When reimporting, the following is allowed

| 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

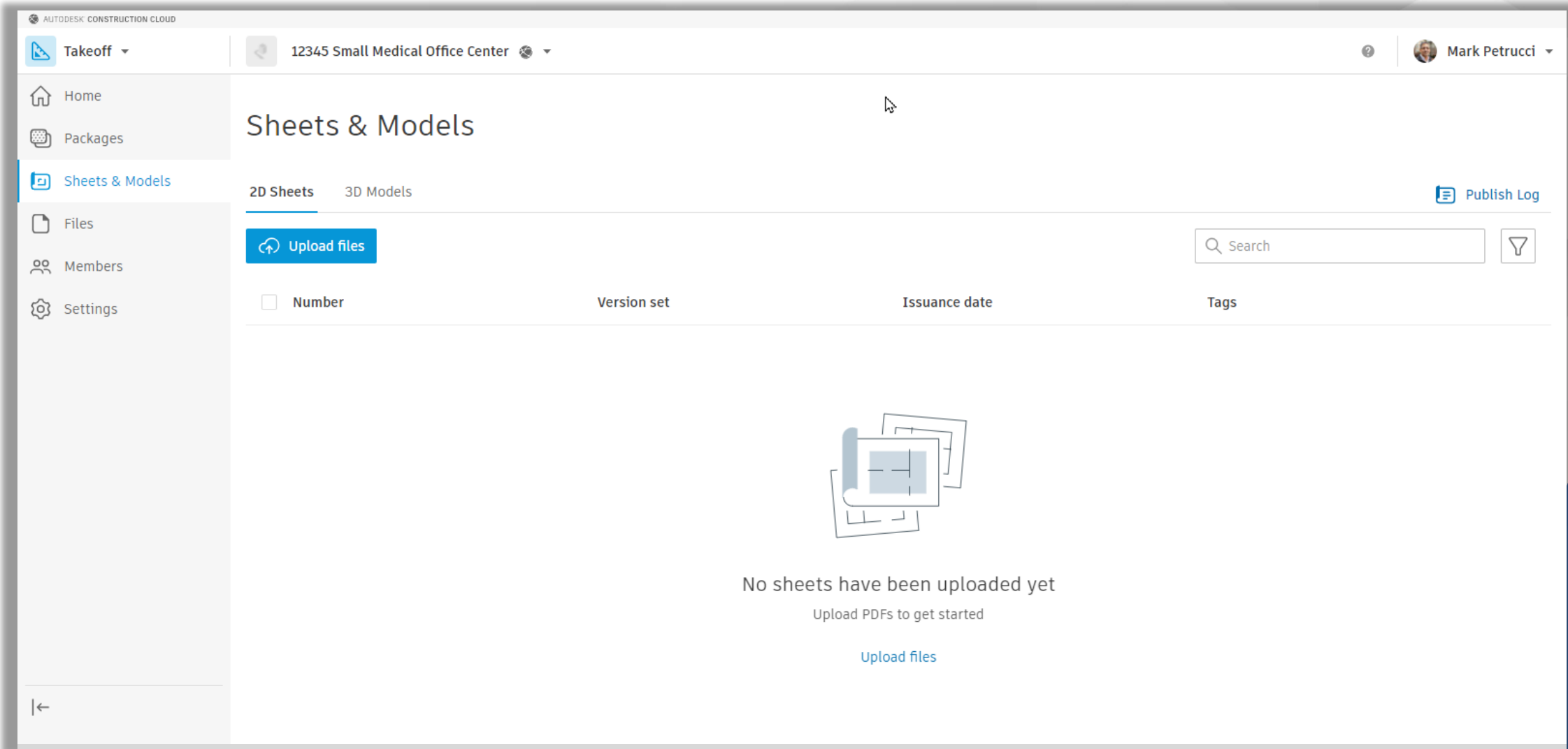
Autodesk Takeoff

- Home Screen – Upload Drawings and Models



Sheet & Models

- Sheets & Models



Sheet & Models

- Sheets & Models

The screenshot displays the Autodesk Construction Cloud interface for a project named "12345 Small Medical Office Center". The left sidebar contains navigation options: Takeoff, Home, Packages, Sheets & Models (highlighted with a red circle), Files, Members, and Settings. A red callout bubble points to the "Sheets & Models" option, stating: "Files used only by Autodesk Takeoff". Another red callout bubble points to the "Files" option, stating: "Includes Project Files and Folders which are part of Common Data Environment". The main content area shows a header with "Sheet" and a blue "Upload files" button. Below this is a table with columns: Number, Version set, Issuance date, and Tags. The table is currently empty. A search bar and a "Publish Log" button are located in the top right. At the bottom, a message states "No sheets have been uploaded yet" with a sub-message "Upload PDFs to get started" and a blue "Upload files" link. An icon of stacked sheets is also present.

Files used only by Autodesk Takeoff

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

Autodesk Construction Cloud

12345 Small Medical Office Center

Mark Petrucci

Takeoff

Home

Packages

Sheets & Models

Files

Members

Settings

Sheet

Upload files

Number

Version set

Issuance date

Tags

Search

Publish Log

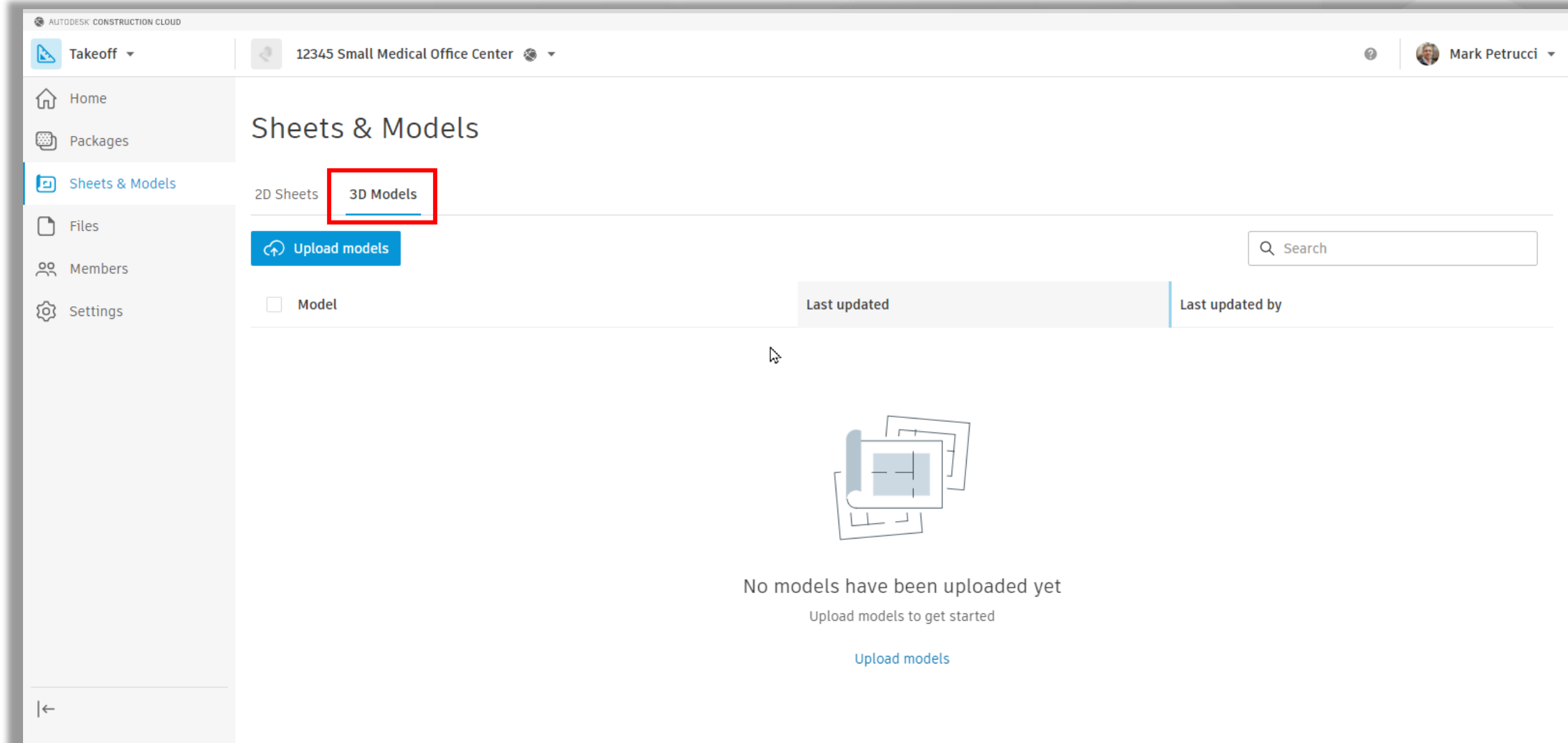
No sheets have been uploaded yet

Upload PDFs to get started

Upload files

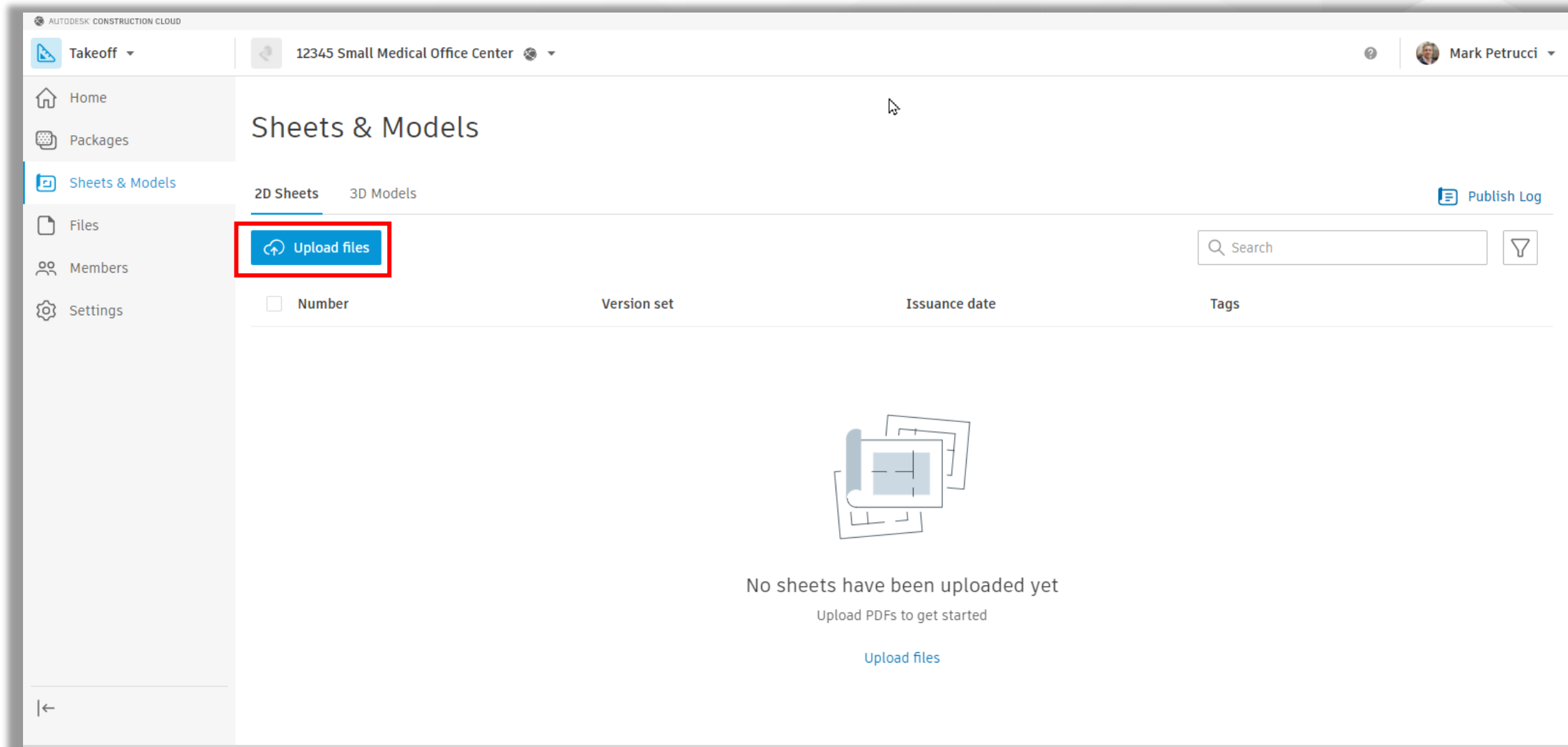
Sheet & Models

- Sheets & Models



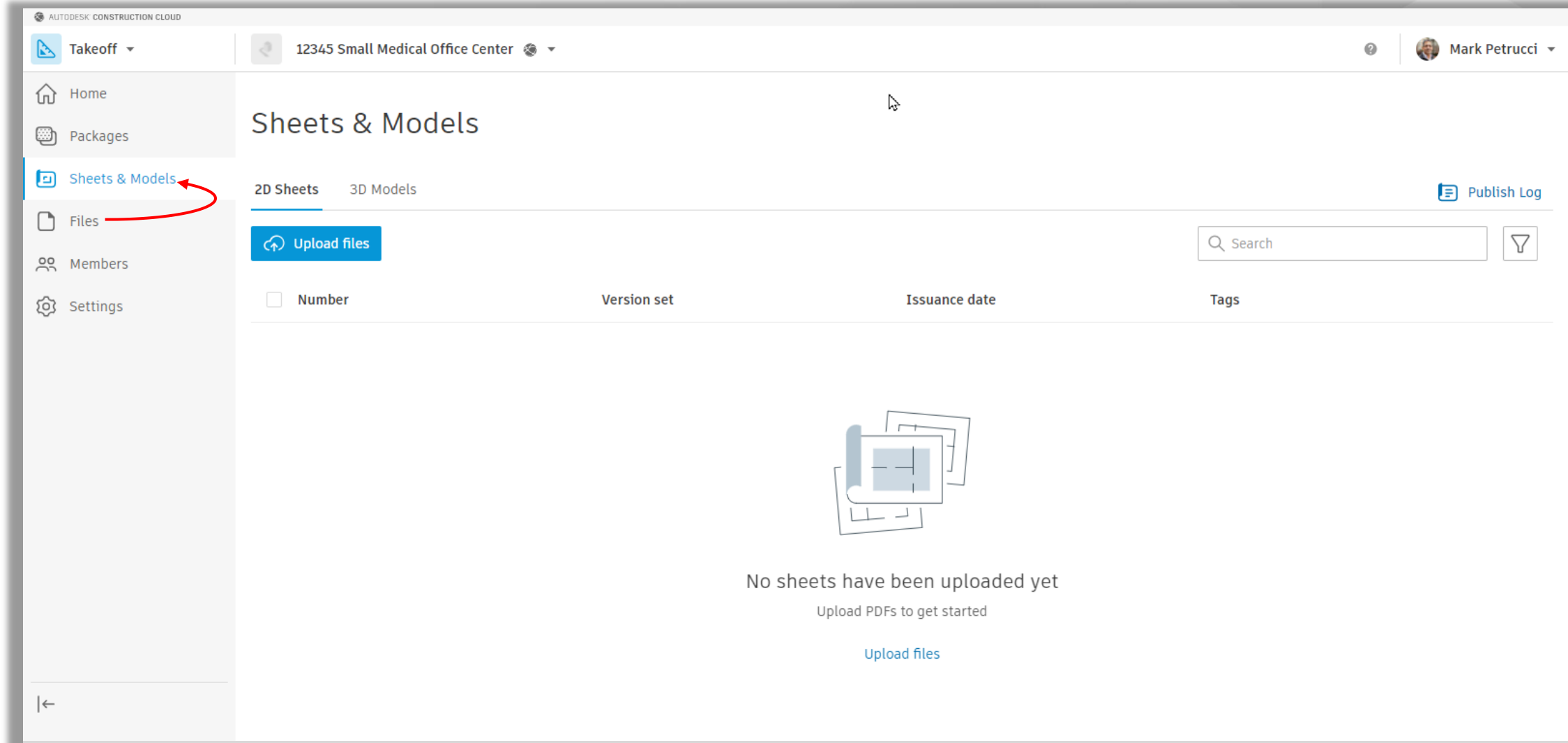
Sheet & Models

- Sheets & Models – Uploading Files



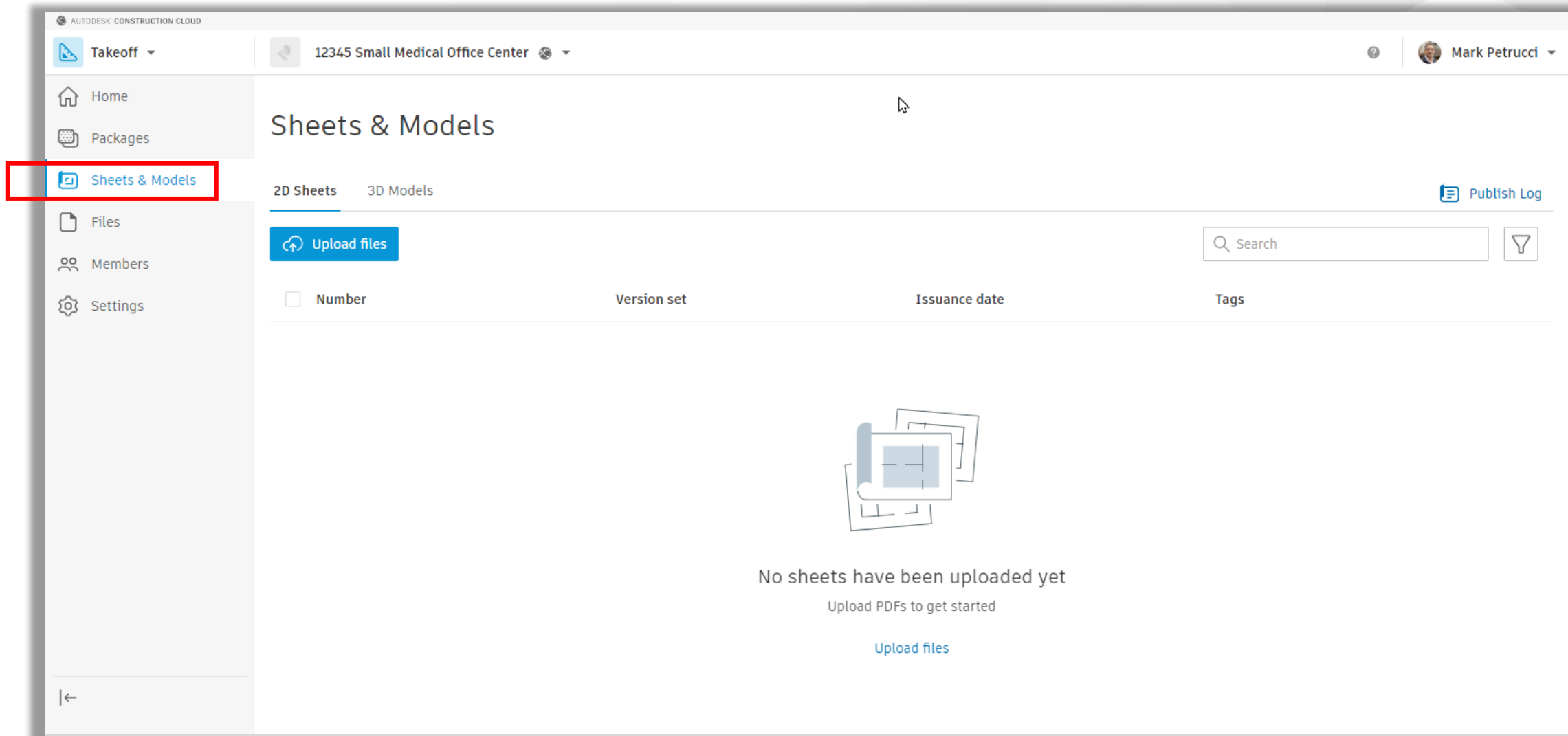
Sheet & Models

- Sheets & Models – Publishing from Docs

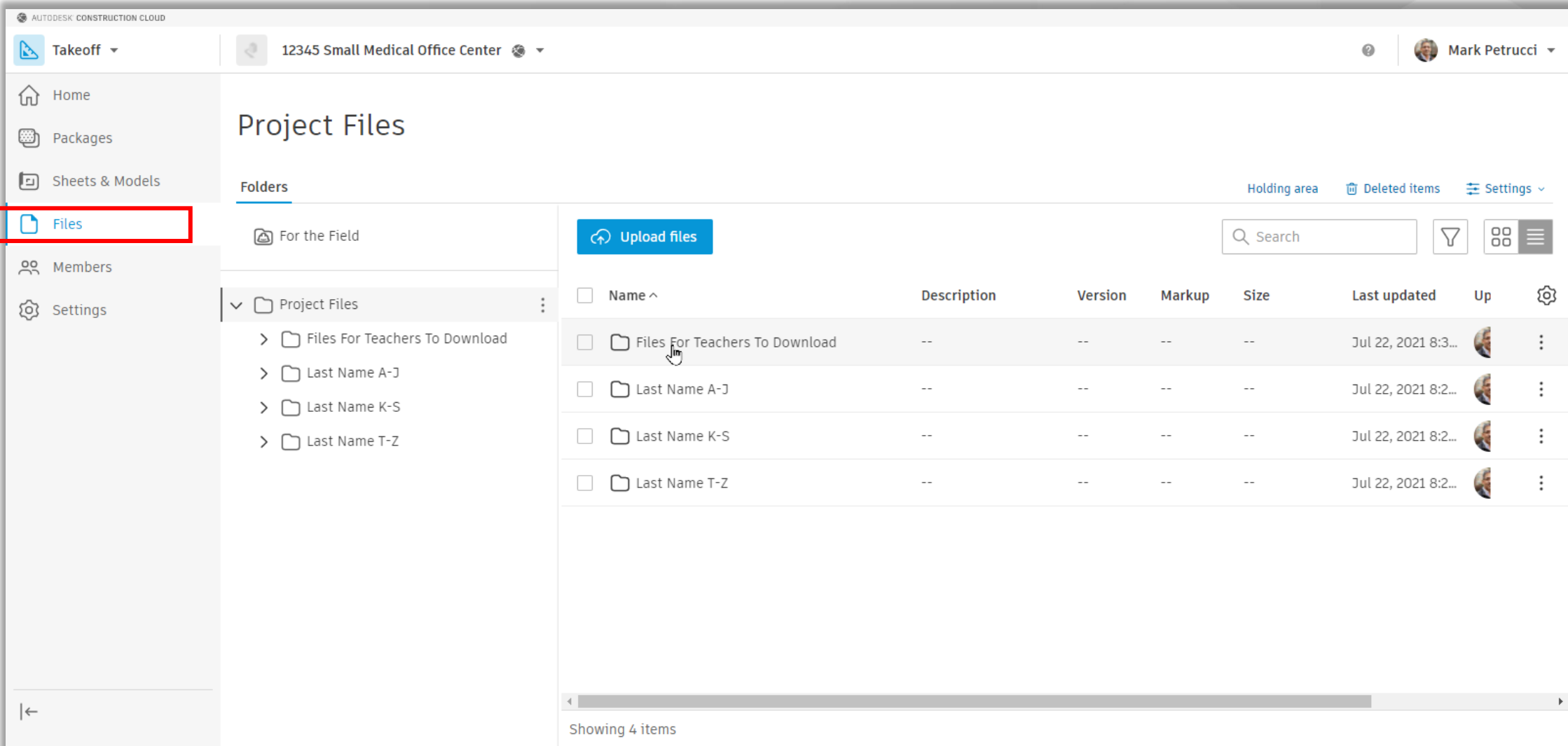


Sheet & Models

- Sheets & Models – Publishing from Docs



■ Files vs Sheets & Models



Sheet & Models

■ Files vs Sheets & Models

The image displays two overlapping screenshots of the Autodesk Construction Cloud interface, illustrating the 'Files' tab and its contents.

Top Screenshot: The interface shows the 'Files' tab selected in the left sidebar. The main content area displays 'Project Files' under the 'Folders' section, listing folders such as 'Files For Teachers', 'Last Name A-J', 'Last Name K-S', and 'Last Name T-Z'. The 'Files' tab is highlighted with a red box.

Bottom Screenshot: The interface shows the 'Files' tab selected in the 'Takeoff' sidebar. The main content area displays 'Project Files' under the 'Folders' section, listing folders such as 'Files For Teachers To Download', 'Last Name A-J', 'Last Name K-S', and 'Last Name T-Z'. The 'Files' tab is highlighted with a red box. Below the folder list, a table displays the contents of the 'Files For Teachers To Download' folder.

| 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, Members, and Settings. The main area is titled "Project Files" and shows a list of files under the "Project Files" folder. A red box highlights the "Publish to Takeoff Sheets & Models" button. The file list includes:

| Name | Description | Version | Markup | Size | Last updated | Up |
|---|-------------|---------|--------|---------|---------------------|----|
| <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 a '13 sheets total' indicator (1), a 'Remove sheets' button (2), rotation controls (90°, 0°, 180°), a 'Draw sheet number area' button (3), and an 'Edit sheet numbers' dropdown. A green status bar indicates 'Sheet extraction completed. Next to titles and tags to continue publishing.' Below this, a red error bar shows '2 sheet number errors' (4), with a checkbox to 'Only show sheets with errors' (5). The main area is a table with columns: 'File name', 'Sheet thumbnail', 'Sheet number', and 'Revision history'. Two rows are visible, both for '2021_Sm Med Office-ARCH.pdf'. The first row (Page 3) shows a thumbnail, a title block with 'A101', and a text input field containing 'A101' with a red error message 'Sheet number duplicated in this list' (8). The second row (Page 4) shows a thumbnail, a title block with 'A102', and a text input field containing 'A101' with the same error message. At the bottom, there is a 'Row height' slider (6), a 'Save for later' button, a 'Back to version set' button, and a 'Next to titles and tags' button (7).

12345 Small Medical Office Center | Publish sheets

1 13 sheets total 2 Remove sheets 3 Draw sheet number area Edit sheet numbers

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

4 2 sheet number errors 5 Only show sheets with errors

| File name | Sheet thumbnail | Sheet number | Revision history |
|---|-----------------|--------------|--|
| <input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 3 | | A101 | <input type="text" value="A101"/> Architectural Files - First Upload ... ⚠ Sheet number duplicated in this list |
| <input type="checkbox"/> 2021_Sm Med Office-ARCH.pdf Page 4 | | A102 | <input type="text" value="A101"/> Architectural Files - First Upload ... ⚠ Sheet number duplicated in this list |

Row height 6 Save for later Back to version set Next to titles and tags 7

Sheet & Models

- Publish Sheets – Remove Sheets

12345 Small Medical Office Center

Publish sheets

2 of 15 sheets selected

Remove sheets

↺

↻

↻

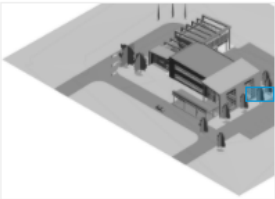
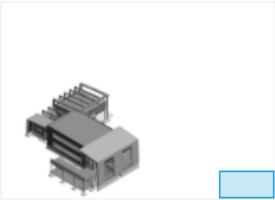
Draw sheet number area

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><input checked="" type="checkbox"/></div> <div>2021_Sm Med Office-ARCH.pdf Page 1</div> | <div></div> | <div>14</div> | <div>Architectural Files - First Upload ...</div> |
| <div><input checked="" type="checkbox"/></div> <div>2021_Sm Med Office-ARCH.pdf Page 2</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°

90°


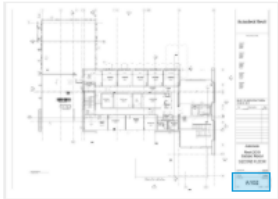
180°

3

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 |
|---|---|---|---|
| <div>2</div> <div><input checked="" type="checkbox"/></div> <div>2021_Sm Med Office-ARCH.pdf Page 3</div> |  | <div>04-01-13 ARCHITECTURAL CHECK SET</div> <div><div>1</div><div>04-01-13A</div></div> | <div>Architectural Files - First Upload ...</div> |
| <div><input type="checkbox"/></div> <div>2021_Sm Med Office-ARCH.pdf Page 4</div> |  | <div>04-01-13 ARCHITECTURAL CHECK SET</div> <div>A102</div> <div>A102</div> | <div>Architectural Files - First Upload ...</div> |

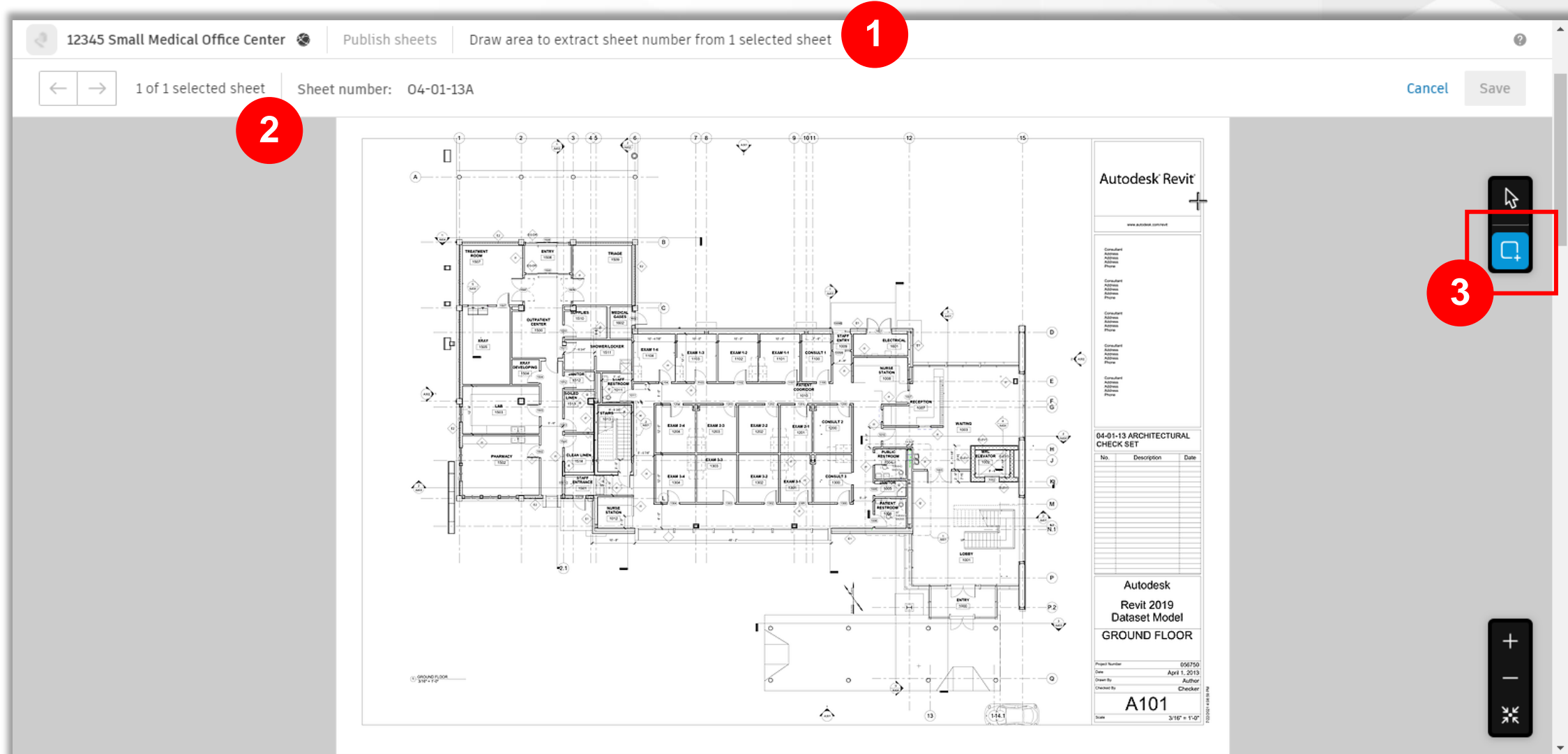
Row height

Save for later

Back to version set

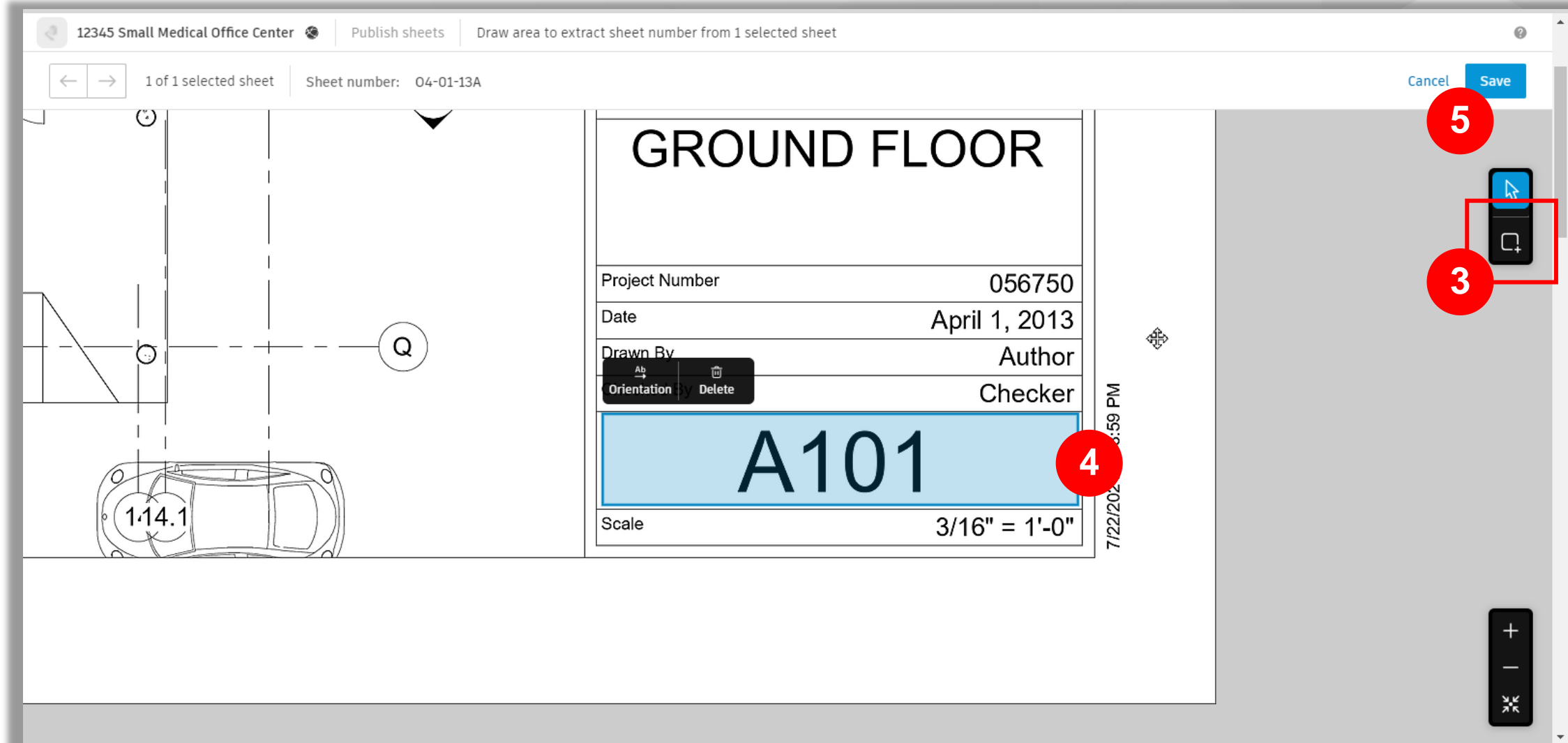
Next to titles and tags

- 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

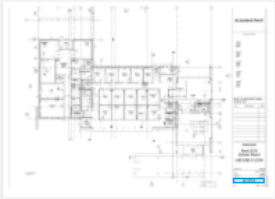
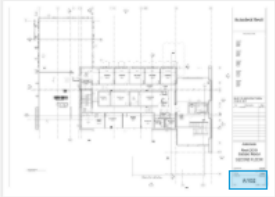
Remove sheets

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.

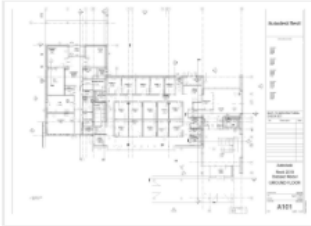
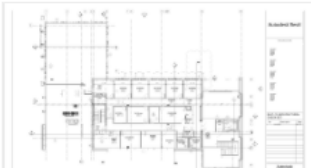
13 sheets total

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

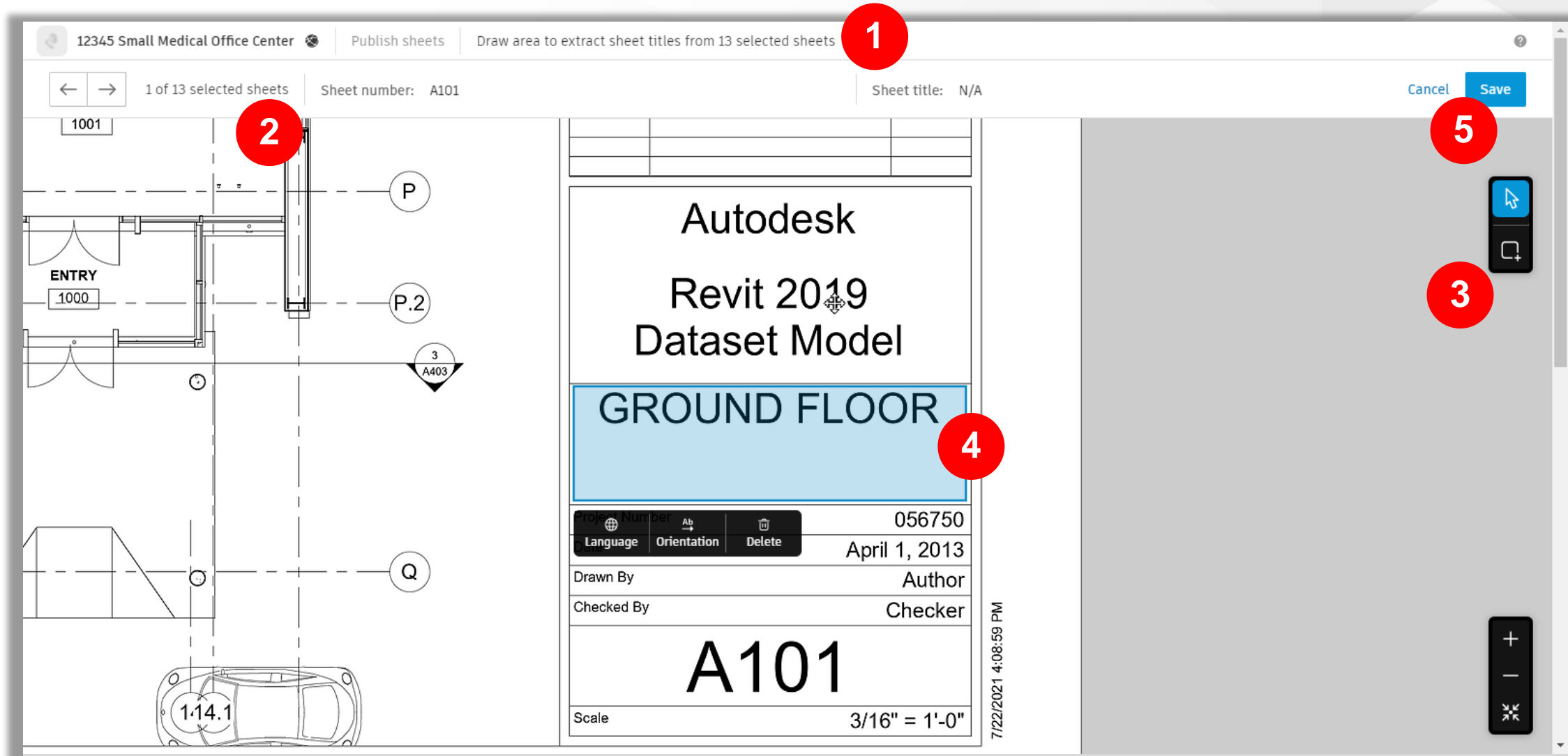
Save for later

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

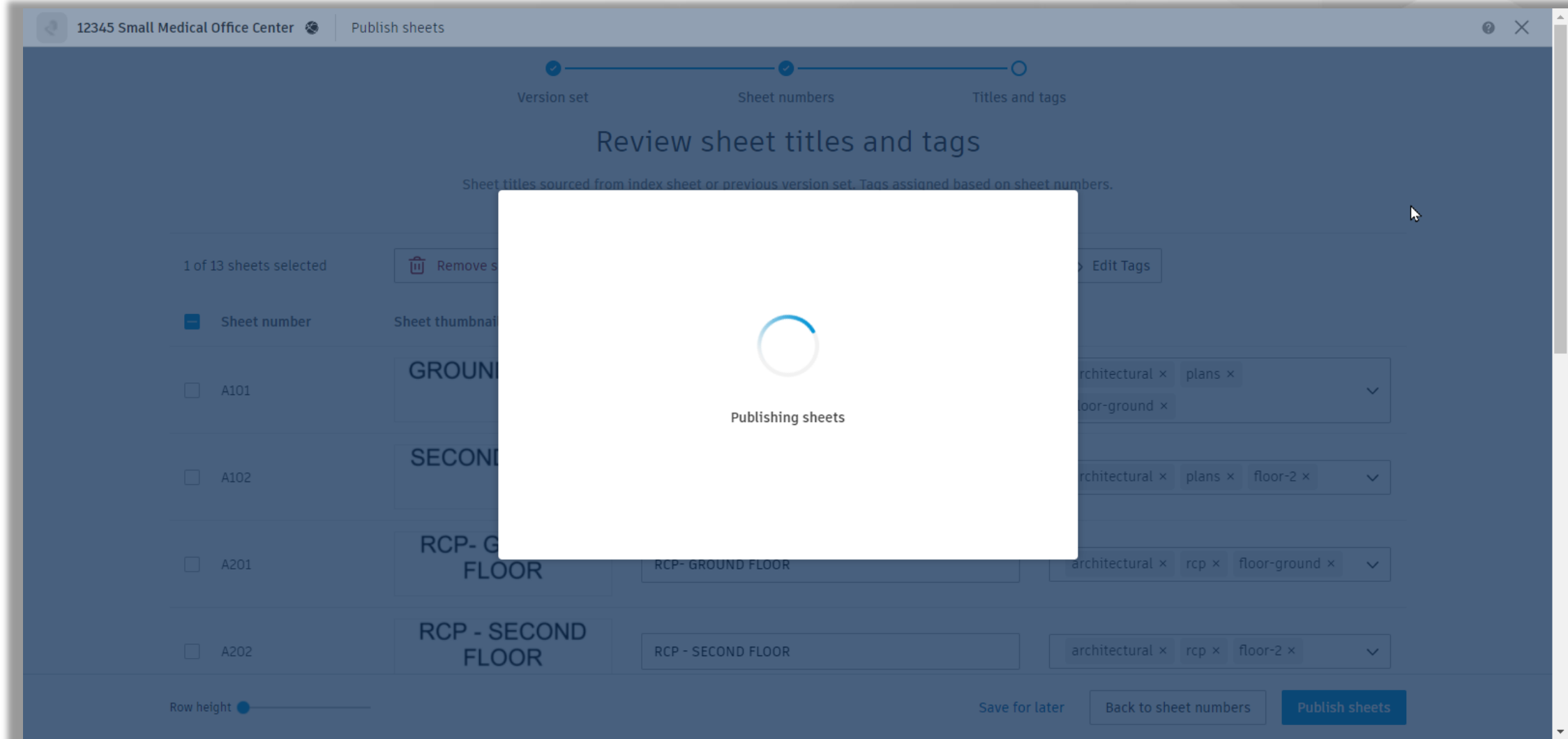
Save for later

Back to sheet numbers

Publish sheets

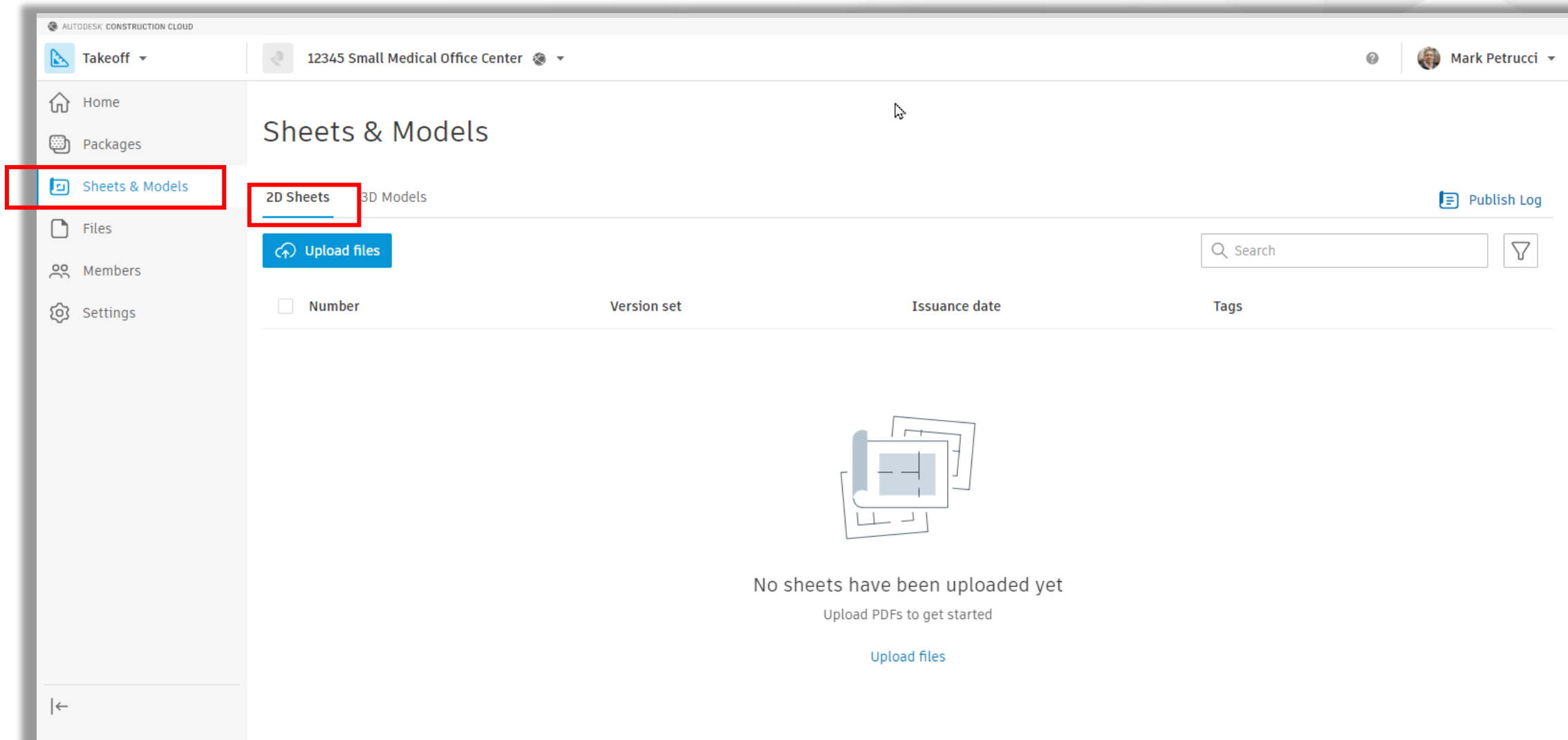
Autodesk Takeoff

- 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

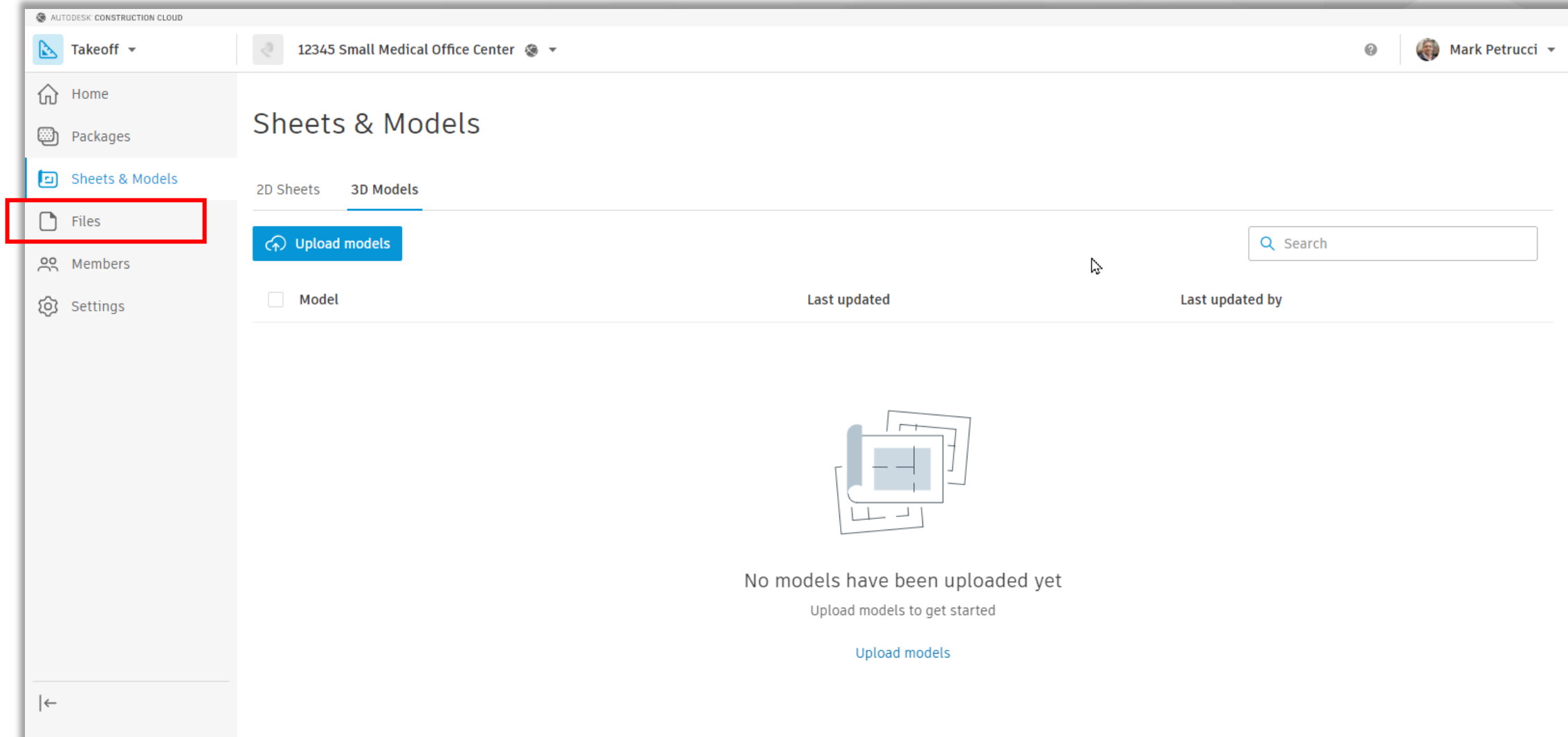
Search

| <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

Autodesk Takeoff

- 3D Models



Autodesk Takeoff

- 3D Models

Autodesk Construction Cloud

Takeoff 12345 Small Medical Office Center Mark Petrucci

Project Files

Folders

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

Upload files Publish

Added Aug. 4, 2021!

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

2 of 4 selected

Autodesk Takeoff

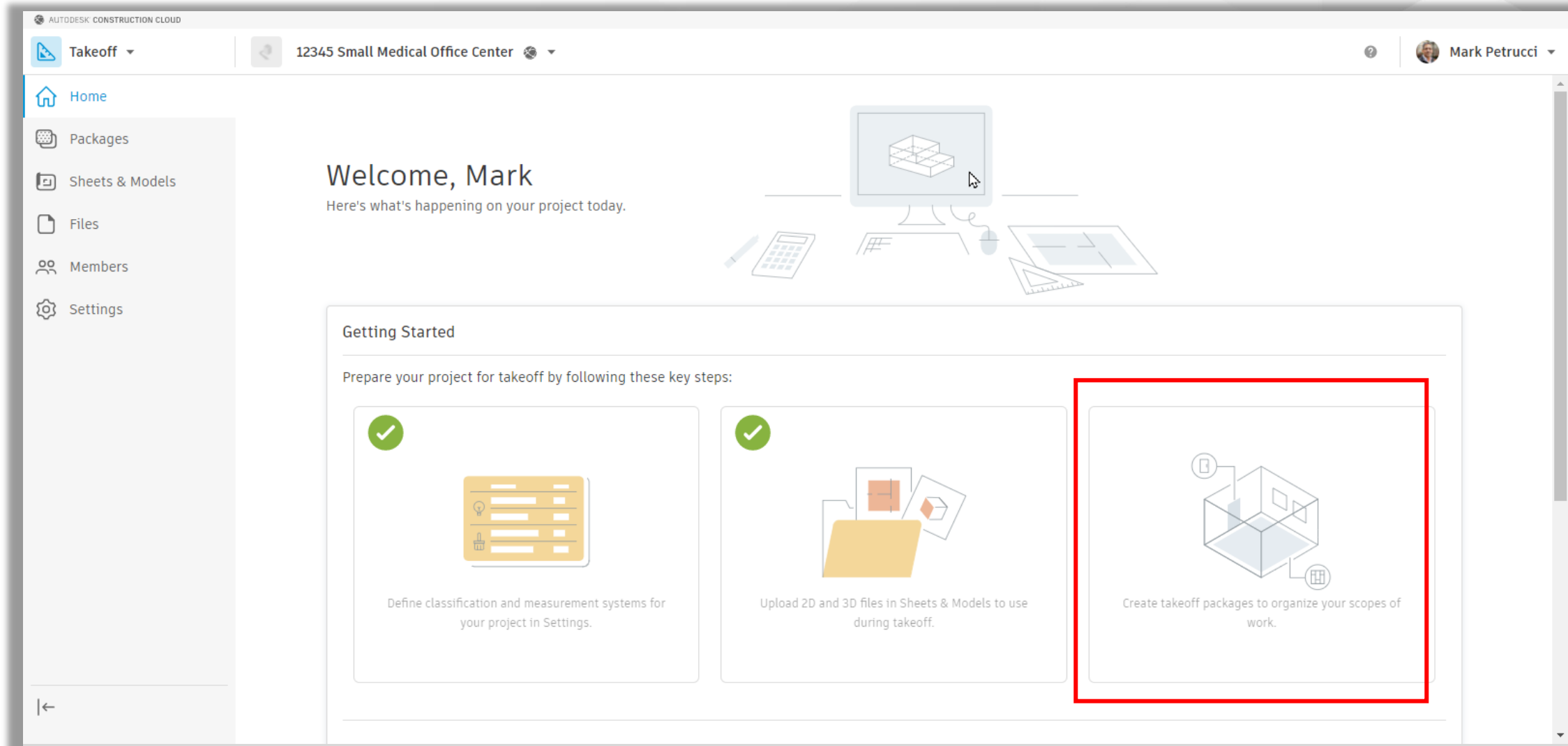
- 3D Models

The screenshot displays the Autodesk Takeoff web application interface. The top navigation bar includes the 'Takeoff' menu, the project name '12345 Small Medical Office Center', and the user profile 'Mark Petrucci'. A red rectangle highlights the 'Home' option in the left sidebar. The main content area is titled 'Sheets & Models' and features a tab for '3D Models'. A blue 'Upload models' button is visible. Below this, a table lists two 3D models with their names, versions, last updated times, and the user who updated them. A search bar is located in the top right of the main area. The bottom of the interface shows pagination information: 'Showing 1 - 2 of 2' and navigation controls.

| <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 |

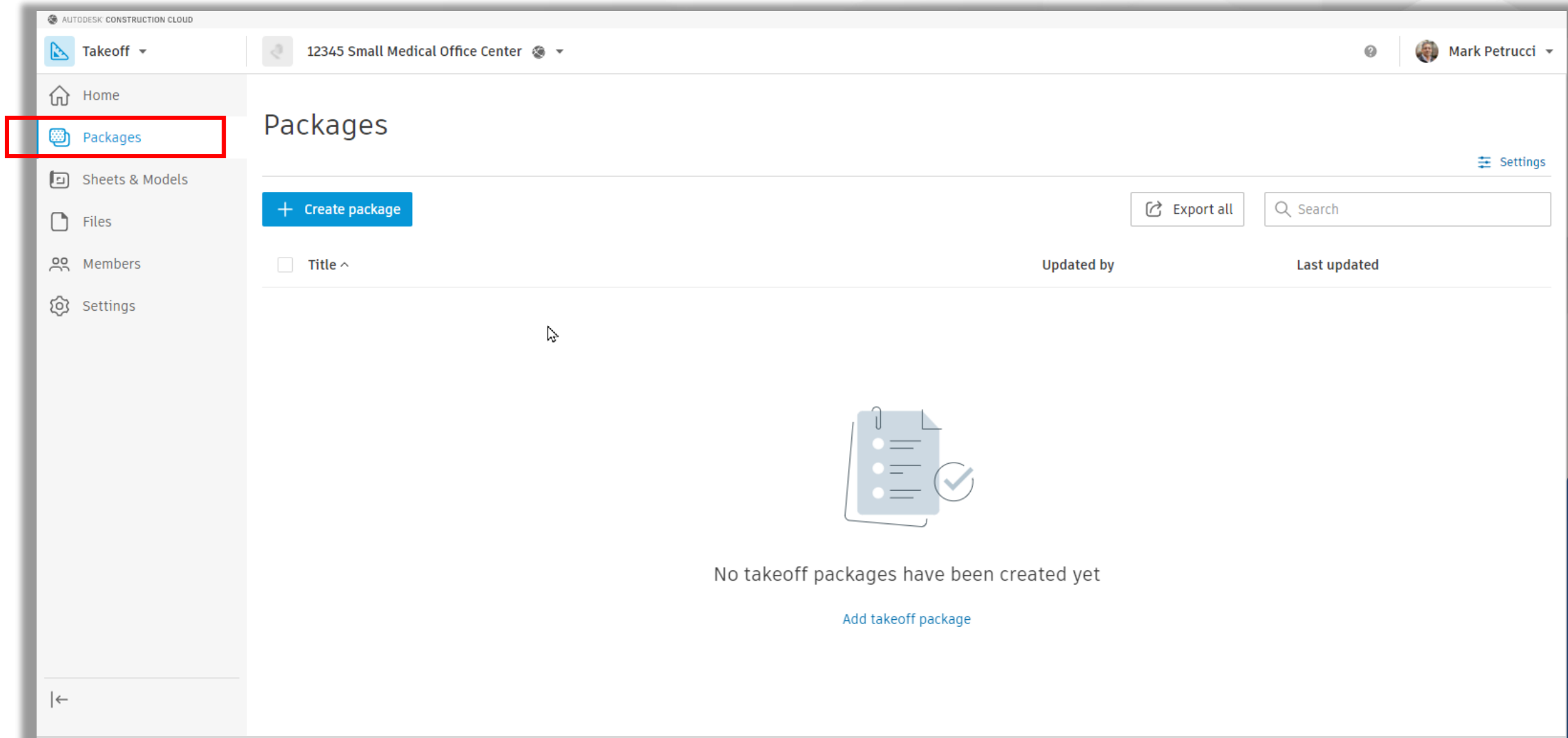
Autodesk Takeoff

- Packages



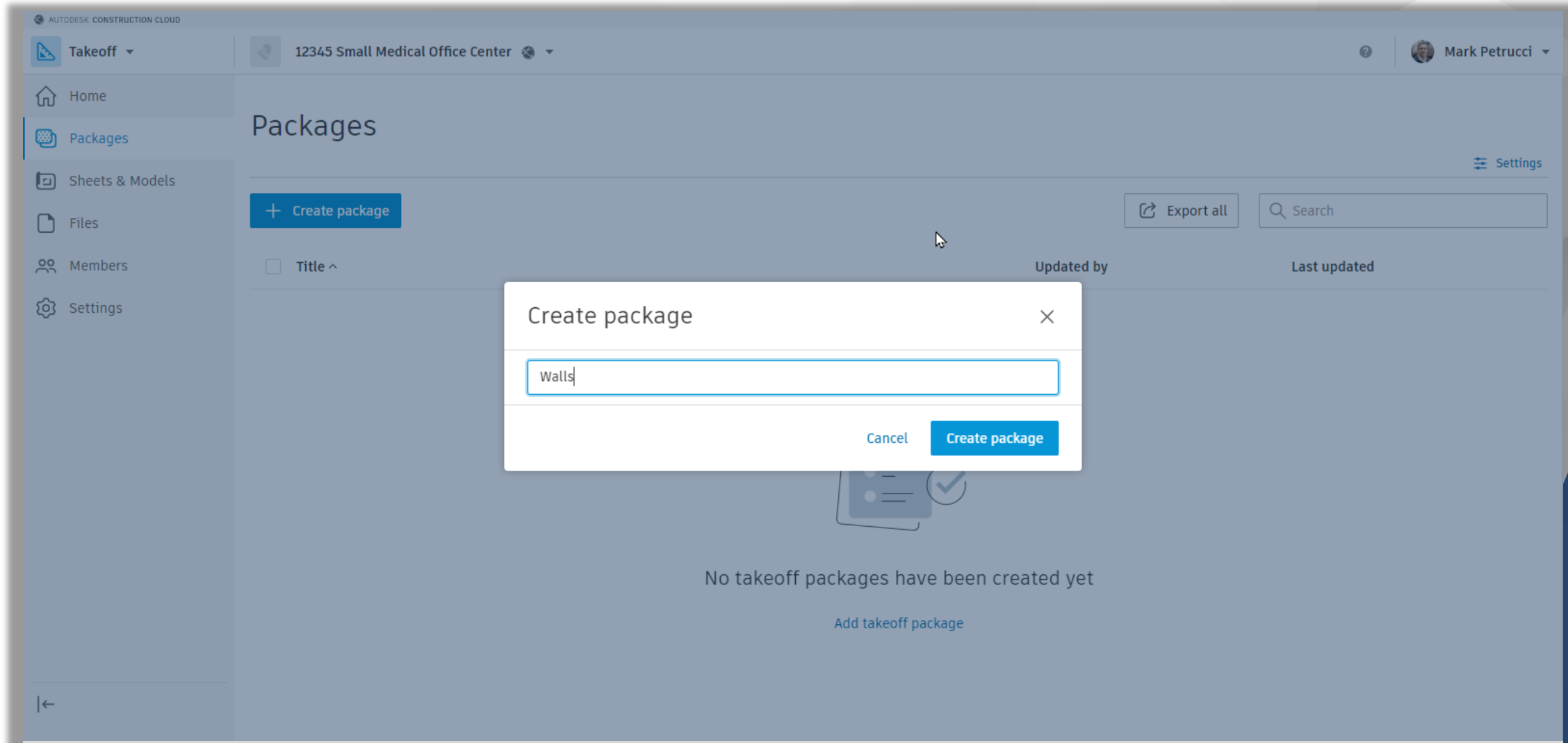
Autodesk Takeoff

- 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 'Mark Petrucci'. The left sidebar contains navigation links: Home, Packages (selected), 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 columns for '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.

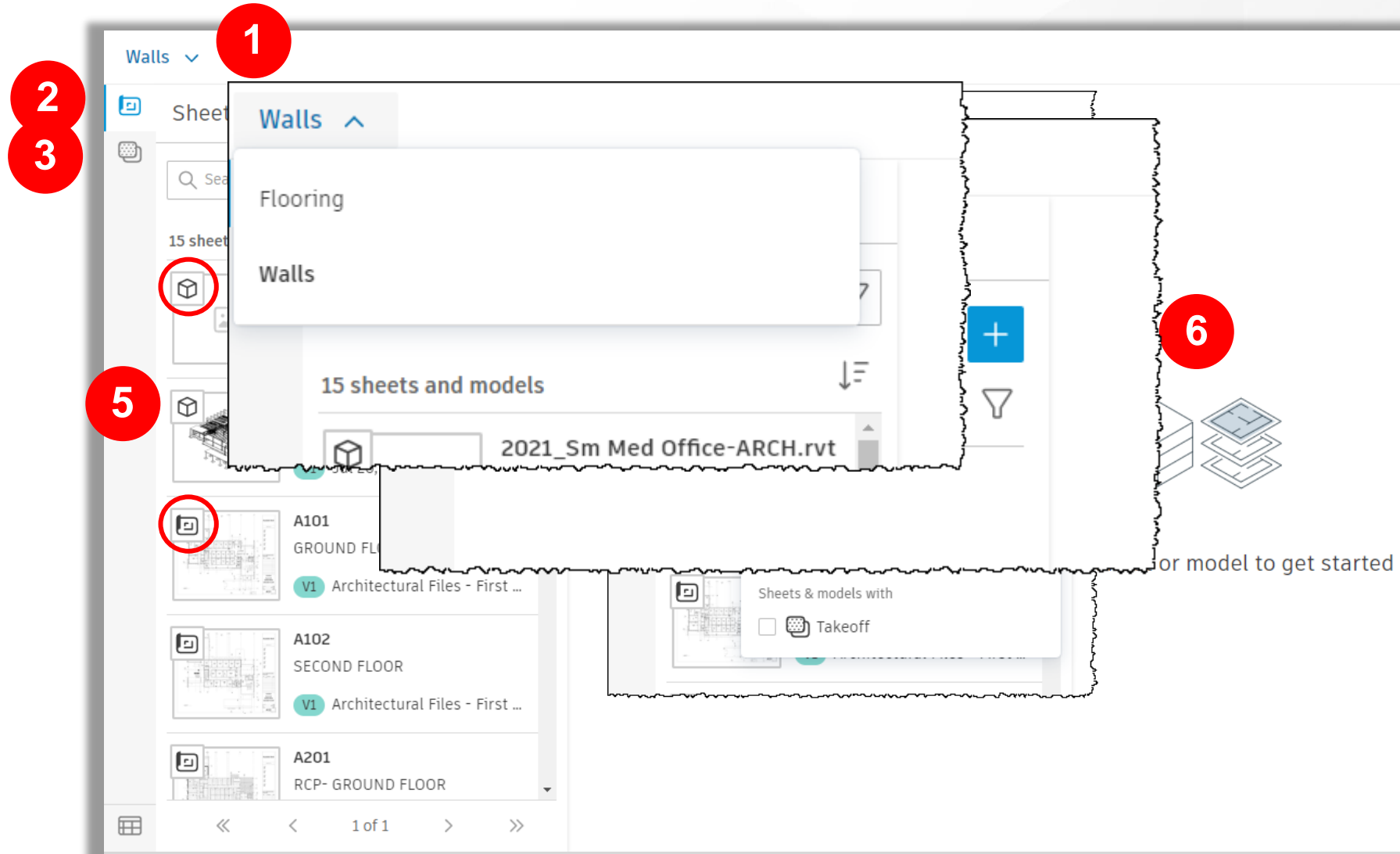
| <input type="checkbox"/> Title ^ | Updated by | Last updated |
|-----------------------------------|---------------|-------------------------|
| <input type="checkbox"/> Flooring | Mark Petrucci | Jul 26, 2021 1:21:27 PM |
| <input type="checkbox"/> Walls | Mark Petrucci | Jul 26, 2021 1:21:18 PM |

Select a Package to begin a Takeoff

Showing 1 - 2 of 2

Autodesk Takeoff

- Takeoff Viewer





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Hands On!



Takeoff Types



Search

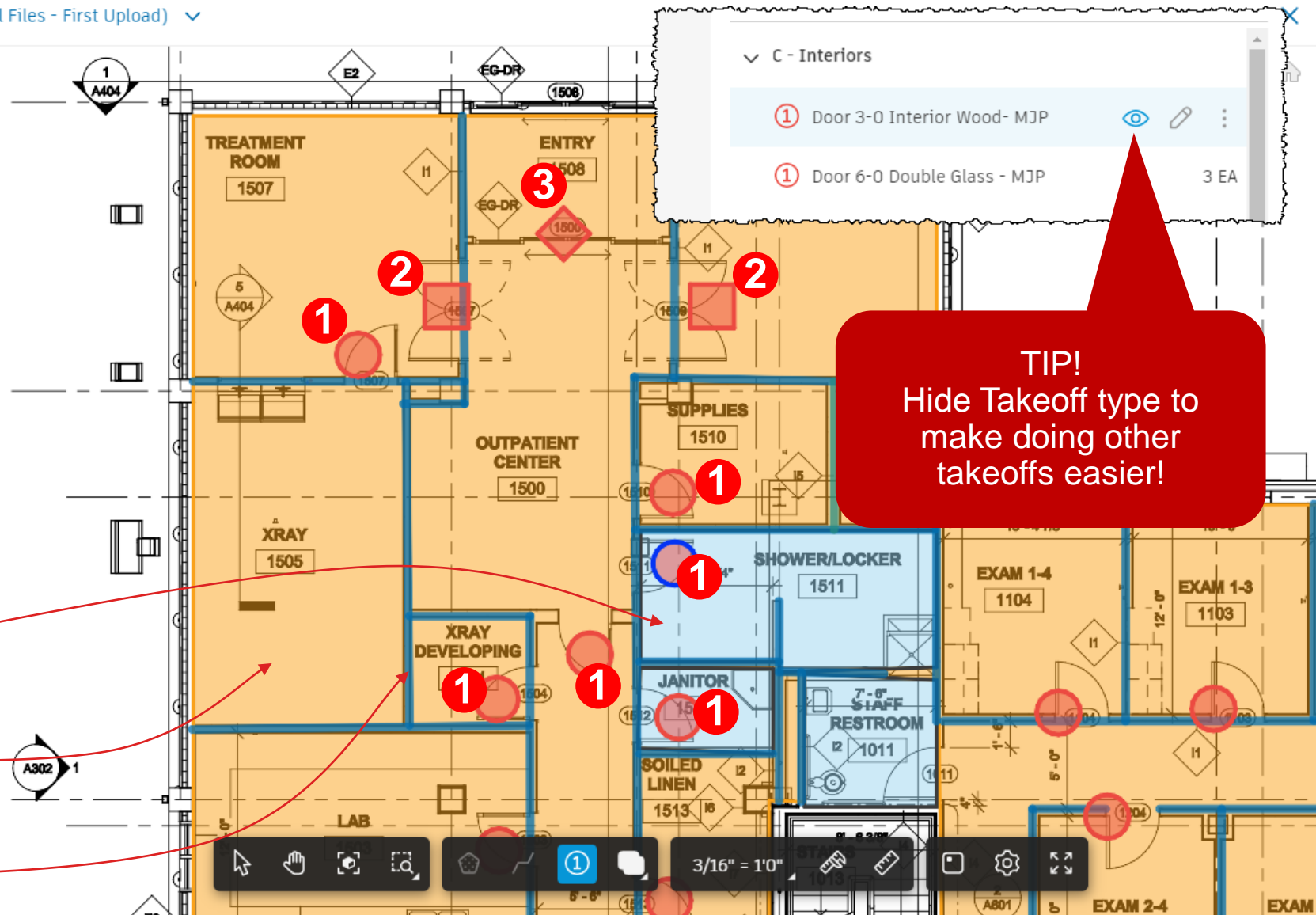


10 takeoff types



C - Interiors

- 1 1 Door 3-0 Interior Wood- MJP 31 EA
- 1 Door 6-0 Double Glass - MJP 3 EA
- 2 1 Door 6-0 Double Wood - MJP 2 EA
- 3 1 Door 6-0 Sliding Glass- MJP 2 EA
- Flooring Carpeting - MJP
- Flooring Hardwood 3/4" - MJP 1724.34 SF
- 4 Flooring Tile - MJP 381.65 SF
- 5 Flooring Vinyl - MJP 5154.14 SF
- Wall 12" CMU - MJP 23.51 LF
- 6 Wall 5" Mtl Stud - MJP 692.61 LF



- Inventory / Reports

The screenshot displays the Revit 2019 software interface. On the left, the 'Sheets & Models' panel lists various project files, including '2021_Sm Med Office-ARCH.rvt' and '2021_Sm Med Office-STRUC.rvt'. The main workspace shows a detailed architectural floor plan of the second floor. The plan includes several rooms: five 'DR OFFICE' rooms (2016-2020) at the top, a 'RECORDS' room (2003), a 'Gold Storage' room (2002), a 'CONFERENCE' room (2005) highlighted in red, a 'STAIR' (2001), a 'MEAL ROOM' (2018), an 'ACCOUNTING' room (2012), a 'NURSING OFFICE' (2011), a 'VISITING DR' room (2019), a 'RESTROOM' (2004), another 'RESTROOM' (2003), an 'UPPER LOBBY' (2000), and a 'NURSING CONTROL' room (2001). The drawing is overlaid with a grid system (A-M, 1-11). On the right side, there is a '04-01-13 ARCHITECTURAL CHECK SET' table with columns for 'No.', 'Description', and 'Date'. Below this is a title block containing the text 'Autodesk Revit 2019 Dataset Model SECOND FLOOR' and project information: 'Project Number 056760', 'Date April 1, 2013', and 'Drawn By Author'.

- Inventory / Reports

Interior - Walls, Doors, Windows, Floor...
A102 (Architectural Files - First Upload)
✕

Sheets & Models

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
>
>>

🖱️
👤
📐
🔍
🏠
📏
①
🗨️
3/16" = 1'0"
🔧
📄
⚙️
🔄

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

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 | <div><div>Takeoff Name</div><div>Quantity</div><div>Unit</div><div>Document</div></div> |
| 3-0 Interior Door - MJP | 1 | 1 | EA | C1030 | Interior Doors | A101 | <div><div><input type="checkbox"/></div><div>① 3-0 Interior Door - ...</div><div>1</div><div>EA</div><div>A102</div></div> |
| 6-0 Double Door - MJP | 1 | 1 | EA | C1030 | Interior Doors | A101 | <div><div><input type="checkbox"/></div><div>① 3-0 Interior Door - ...</div><div>1</div><div>EA</div><div>A102</div></div> |
| Carpeting - MJP | 1 | 1 | EA | C2030 | Flooring | A101 | <div><div><input type="checkbox"/></div><div>① 3-0 Interior Door - ...</div><div>1</div><div>EA</div><div>A102</div></div> |
| ▼ A102 | 18 | | | | | A102 | <div><div><input type="checkbox"/></div><div>① 3-0 Interior Door - ...</div><div>1</div><div>EA</div><div>A102</div></div> |
| 12" CMU Wall - MJP | 2 | 37.10 | LF | C1010 | Interior Partitions | A102 | <div><div><input type="checkbox"/></div><div>① 3-0 Interior Door - ...</div><div>1</div><div>EA</div><div>A102</div></div> |
| 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



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Q & A



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Updates Notification for Packages

- Sheets/Models

ASTI KB - Intranet-CTG

Packages - Autodesk Takeoff

+

acc.autodesk.com/takeoff/packages/projects/8887ae9c-fa96-4816-8ddc-40d61512b4e4

AppsQuick LinksASTI LinksAutodesk Construct...Autodesk LinksLearningPower BIMisc ReadsPersonal

AUTODESK CONSTRUCTION CLOUD

Takeoff

UP-12345 Small Medical Office Center (Take...

Mark Petrucci

Home

Packages

Sheets & Models

Files

Members

Settings

Packages

Settings

+ Create package

Export all

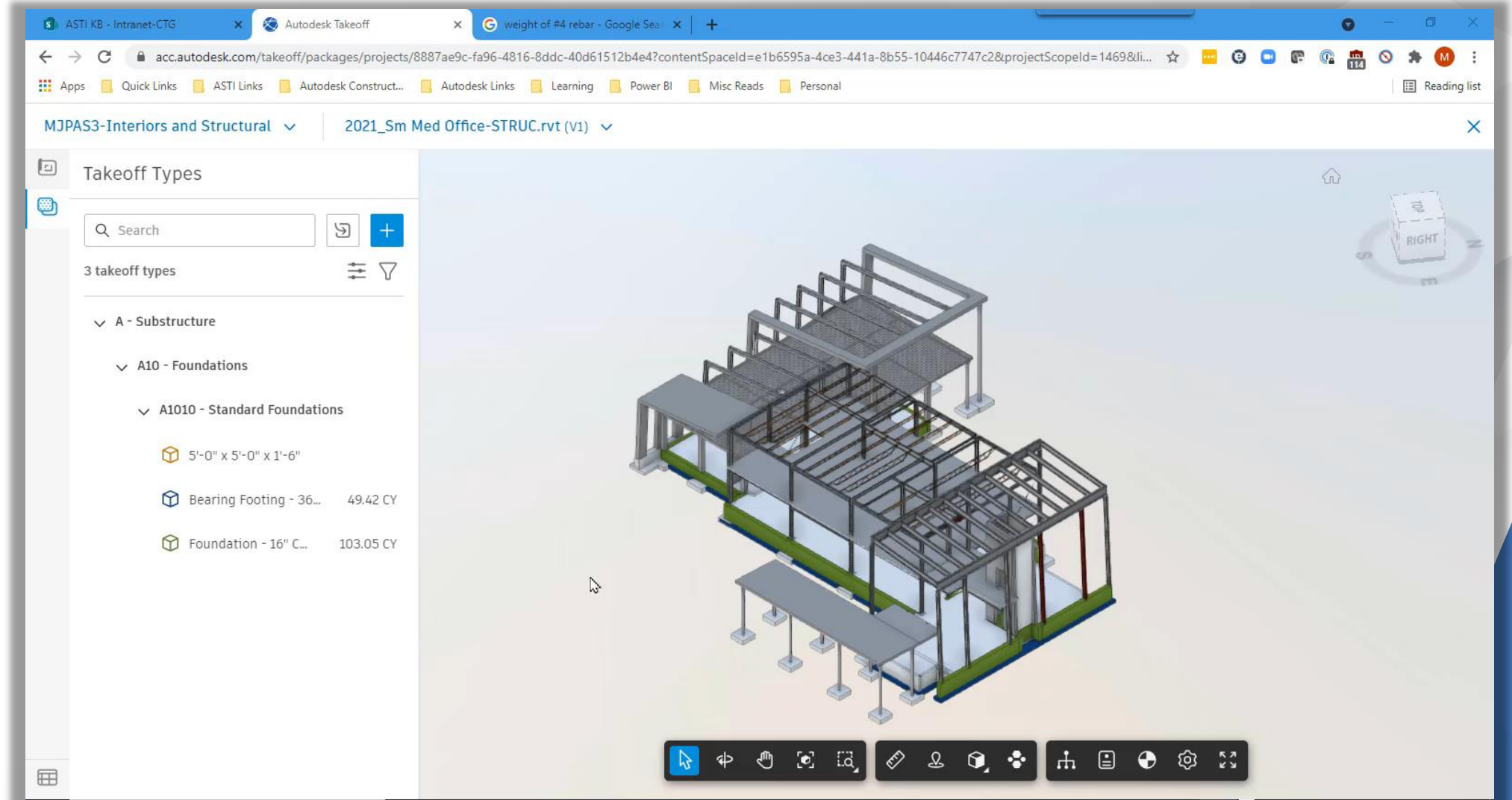
Search

| <input type="checkbox"/> Title ^ | Updated by | Last updated |
|--|-----------------------|-------------------------|
| <input type="checkbox"/> LDPU-Interior and Structural | Luciana Debs | Aug 5, 2021 4:47:26 PM |
| <input type="checkbox"/> LED IIT-Interior and Structural | Mark Petrucci | Aug 24, 2021 8:45:41 AM |
| <input type="checkbox"/> MDMSUM-Interior and Structural <div>Updates</div> | Mohamed Diab | Aug 3, 2021 4:47:30 PM |
| <input type="checkbox"/> MHIIT-Interior and Structural <div>Updates</div> | Mohammad Heidarinejad | Aug 3, 2021 4:44:34 PM |
| <input type="checkbox"/> MJPAS-Interior & Structure <div>Updates</div> | Mark Petrucci | Jul 29, 2021 9:53:16 AM |
| <input type="checkbox"/> MJPAS-Interior and Structural | Mark Petrucci | Aug 5, 2021 4:57:29 PM |
| <input type="checkbox"/> MJPAS2-Interior and Structural <div>Updates</div> | Mark Petrucci | Aug 4, 2021 2:59:23 PM |
| <input type="checkbox"/> MJPAS3-Interior and Structural | Mark Petrucci | Aug 5, 2021 4:47:20 PM |

Showing 1 - 48 of 48

<<< 1 of 1 >>>

Formula for Calculating Rebar Weight



Formulas - Bug

- Autodesk is working on fix

