



Rawlinsons

ePublications User Guide



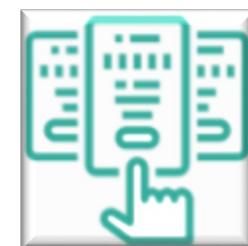
Quick Start



Login & Install



My Publications



Subscription details



Users



Offline



Quick Start:



After purchase or access assignment, look out for your 'Welcome to Rawlinsons' email with login details



Follow the link from the email to our online EPUB portal, login with the password provided

<https://epub.rawlhouse.com/rawlinsonsweb/#/login> Bookmark this page



From the portal homepage, download and install Rawlinsons viewer software app. You will need this app installed on each machine that will use the publication - File size 3MB



Once installed, go to 'My Publications' in the left hand menu. Here you will see the publications you have access to.



Click 'Access Now', the app will work in the background to launch the publication. You will see a fully searchable and bookmarked pdf version of our publication



Printing, copying and screen sharing are not permitted



Login & Install

From: Rawlinsons Publishing <electronic@rawlhouse.com>
Sent: Thursday, 7 May 2020 3:23 PM
To: Me
Subject: Welcome to Rawlinsons ePublication | Rawlinsons Digital Publications

 **Rawlinsons PUBLISHING**
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

Welcome, and thank you for subscribing to Rawlinsons exciting new ePublications. Access your digital subscription by visiting the following URL and logging in with the credentials below. Before you begin, take a moment to read our [Q & A and user guides](#)

You have been assigned a license to:
2020 Digital Rawlinsons Australian Construction Handbook

Getting started:
Visit: <https://epub.rawlhouse.com/rawlinsonsweb/>

Login With:

Username: **youremail@email.com**
Password: **sjshJ789ner6**

You will be registered under the name that was used for payment. Your email address is your main identification within the portal. Your password can be changed once you have logged in.

To view your publication(s), follow these steps:

- Download our free viewer software by logging into ePublication website
- Go to 'My Publications' in the left-hand menu to access your chosen book

Licensees (initial purchaser)

- View your current licenses in 'Subscription Details'
- Add/amend user details in 'Users', access will be auto assigned and Welcome emails sent

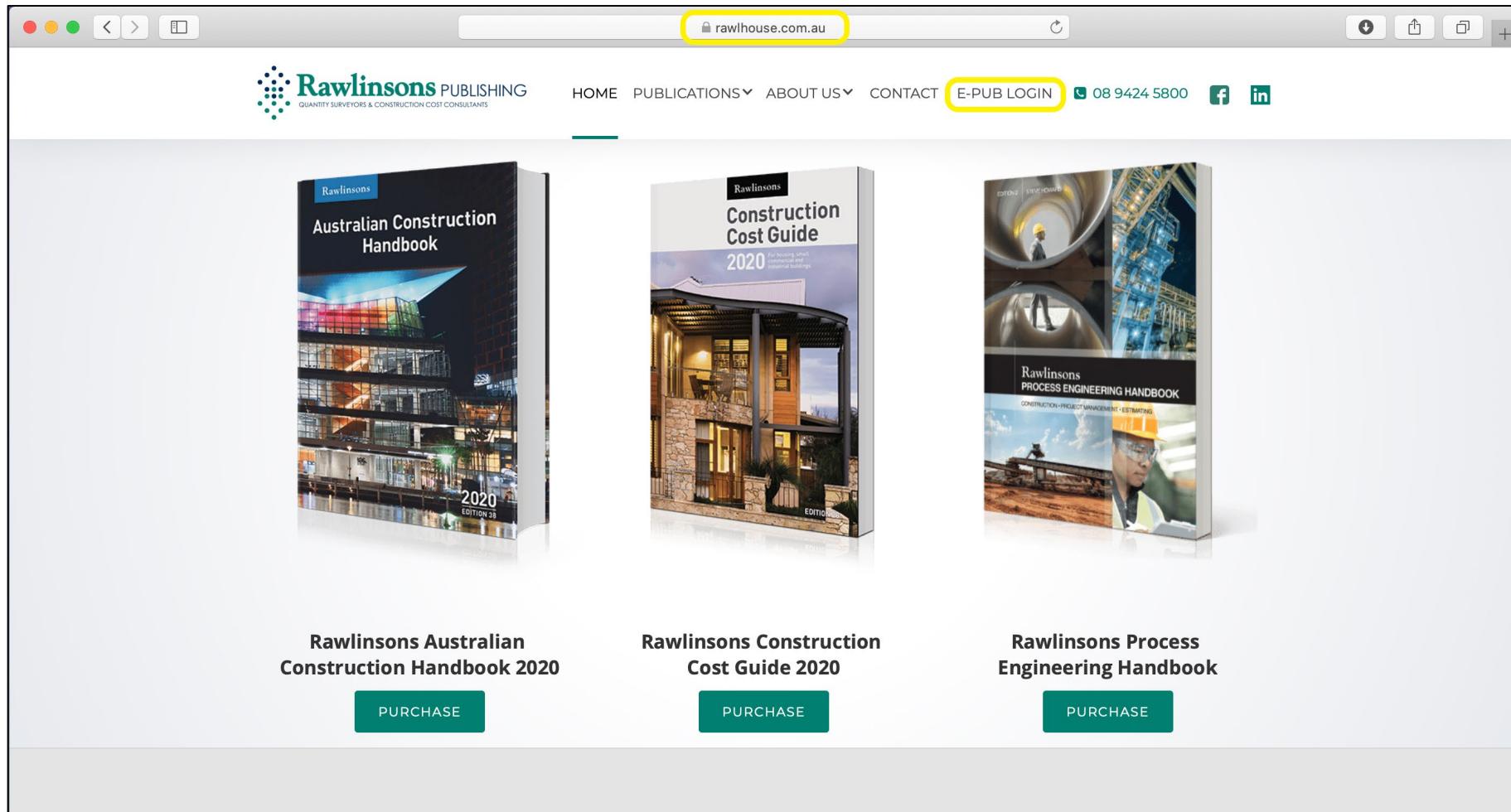
Visit the help section within the portal to view our [user guides](#) for more detailed information about navigating the site and using the publications

If you have any questions, reply to this email or contact us at electronic@rawlhouse.com Or call: 08 9424 5800

Your Welcome email provides your login details and brief instructions on getting started. Please store it for future reference



Login & Install



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

HOME PUBLICATIONS ABOUT US CONTACT E-PUB LOGIN 08 9424 5800 [f](#) [in](#)

Australian Construction Handbook
2020 EDITION 38

Construction Cost Guide
2020 For housing, small commercial and industrial buildings

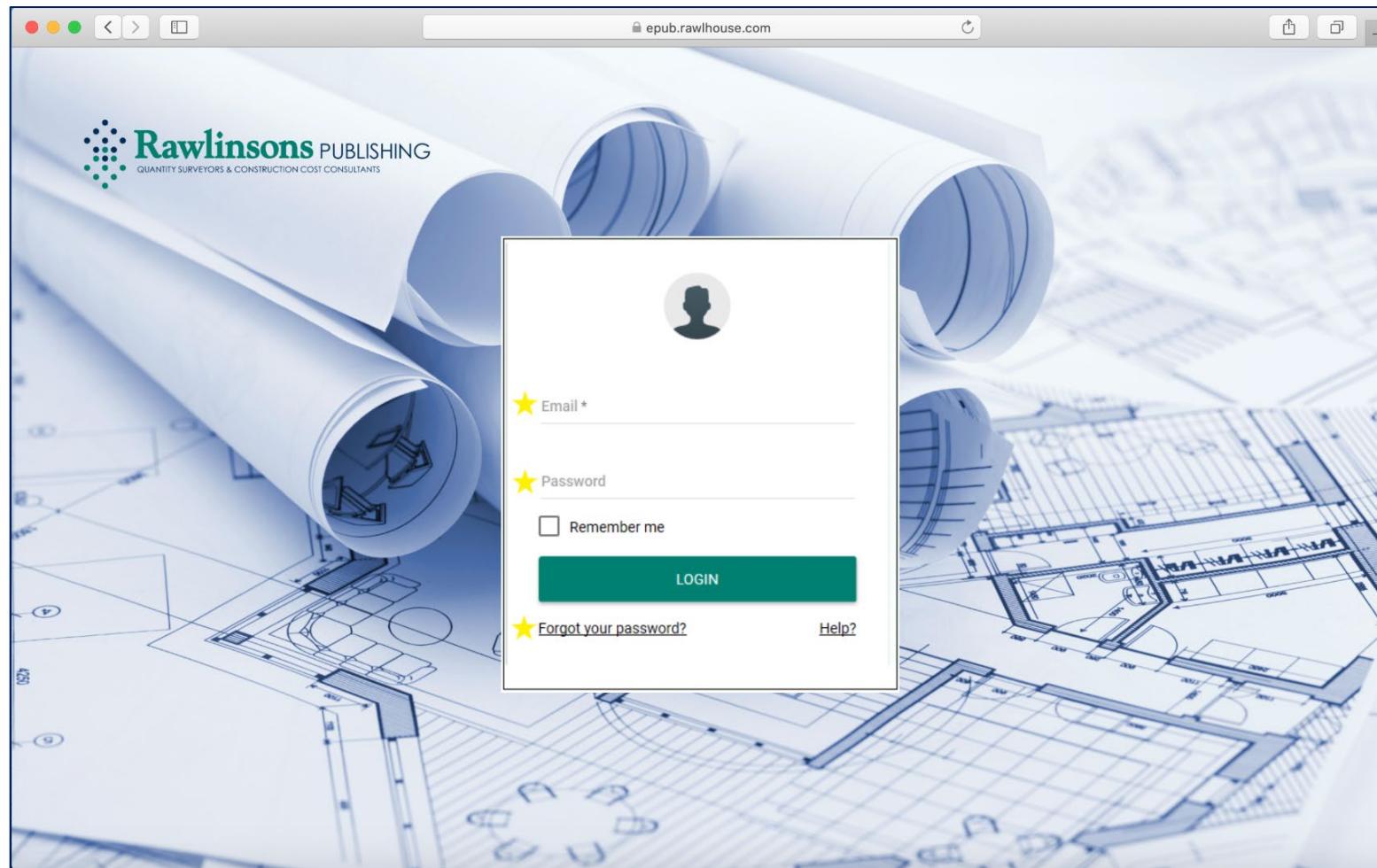
Rawlinsons PROCESS ENGINEERING HANDBOOK
CONSTRUCTION • PROJECT MANAGEMENT • ESTIMATING

PURCHASE **PURCHASE** **PURCHASE**

If you cannot see your Welcome email or you need a quick link to the EPUB portal login page, please visit our website and click EPUB LOGIN.
The portal can be used with Safari or Chrome



Login & Install



Use your registered email address and the password provided to login. If you cannot see your Welcome email or have lost your details, use the 'Forgot your Password' link to have a reset password emailed



Login & Install

On the EPUB portal Homepage you will see the download link for the latest version of our viewer software app. You will also see your Username at the top right corner, you can use this dropdown to view your profile, change your password and logout. New passwords require a minimum of 6 characters including Upper and Lower case letters, a Number and a special character



Login & Install



The viewer software is suitable for Mac OS 10.12 Sierra and above. To identify your OS, click on the Apple icon in the top left of your screen and select 'About this Mac'



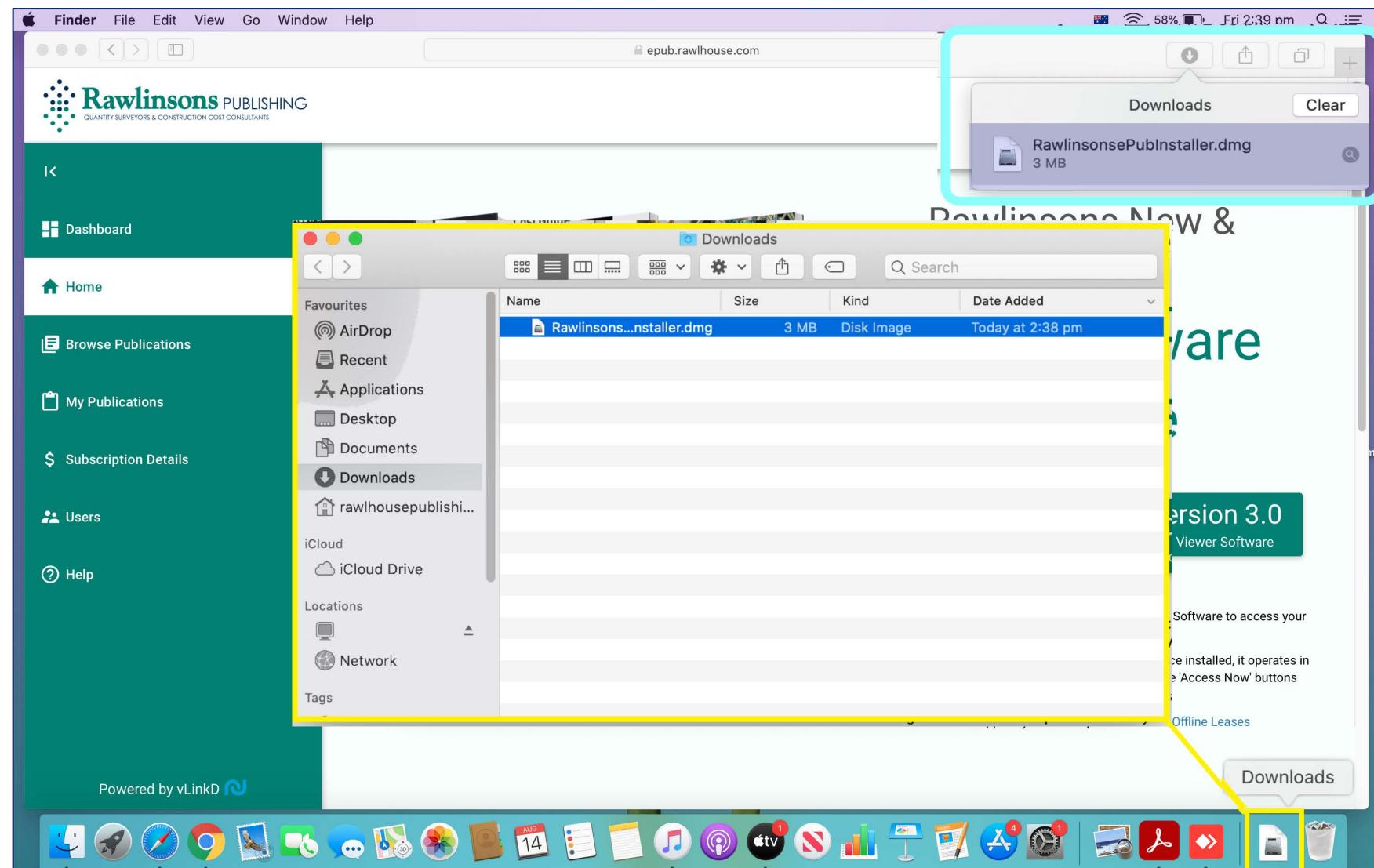
Login & Install

Click to Download the viewer software.

The file will progress quickly into your downloads folders (displayed here at both top and bottom of the screen)



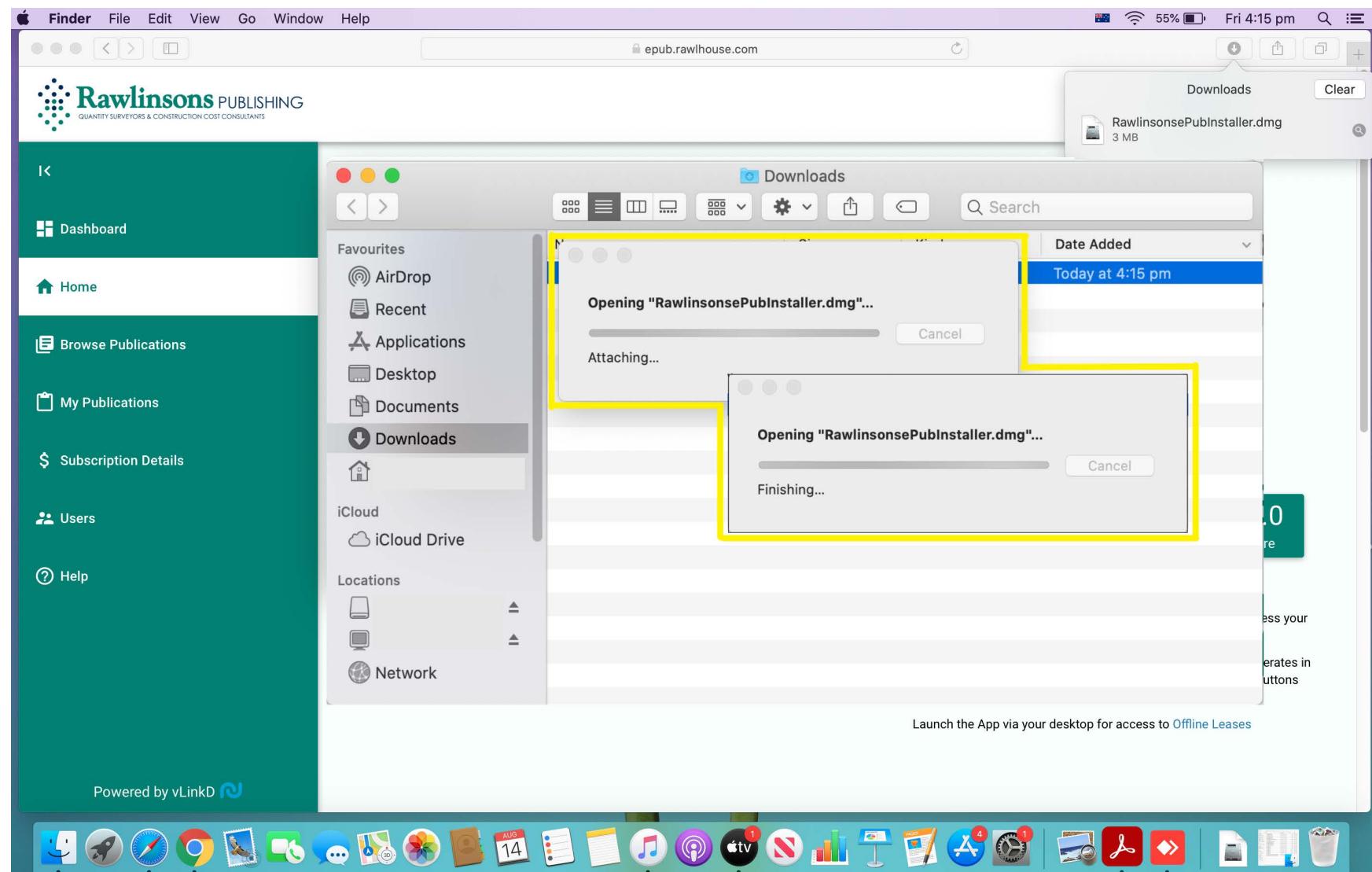
Login & Install



Double click the installer dmg file from the 'show downloads' arrow  or your 'Downloads' folder to run the installer file



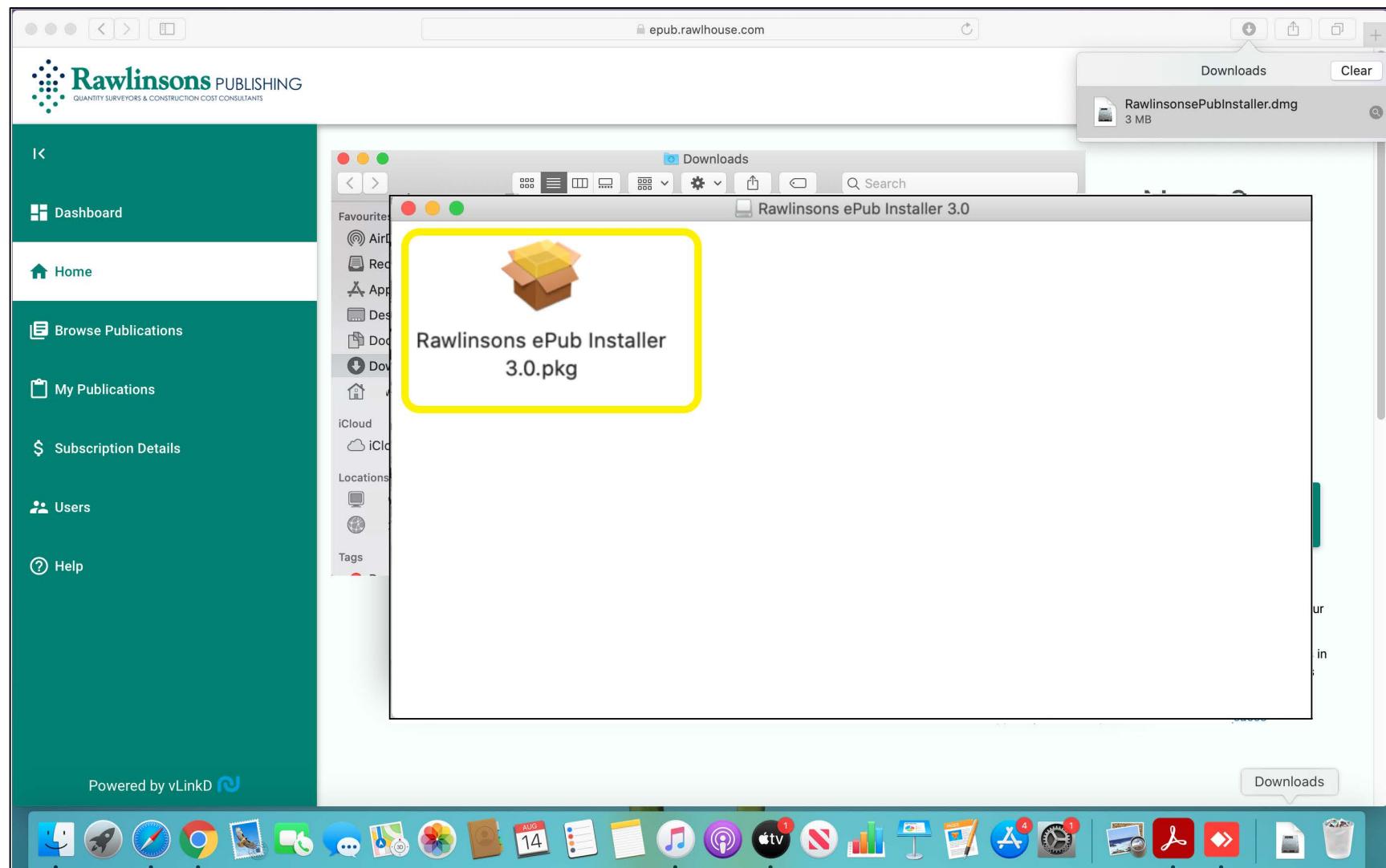
Login & Install



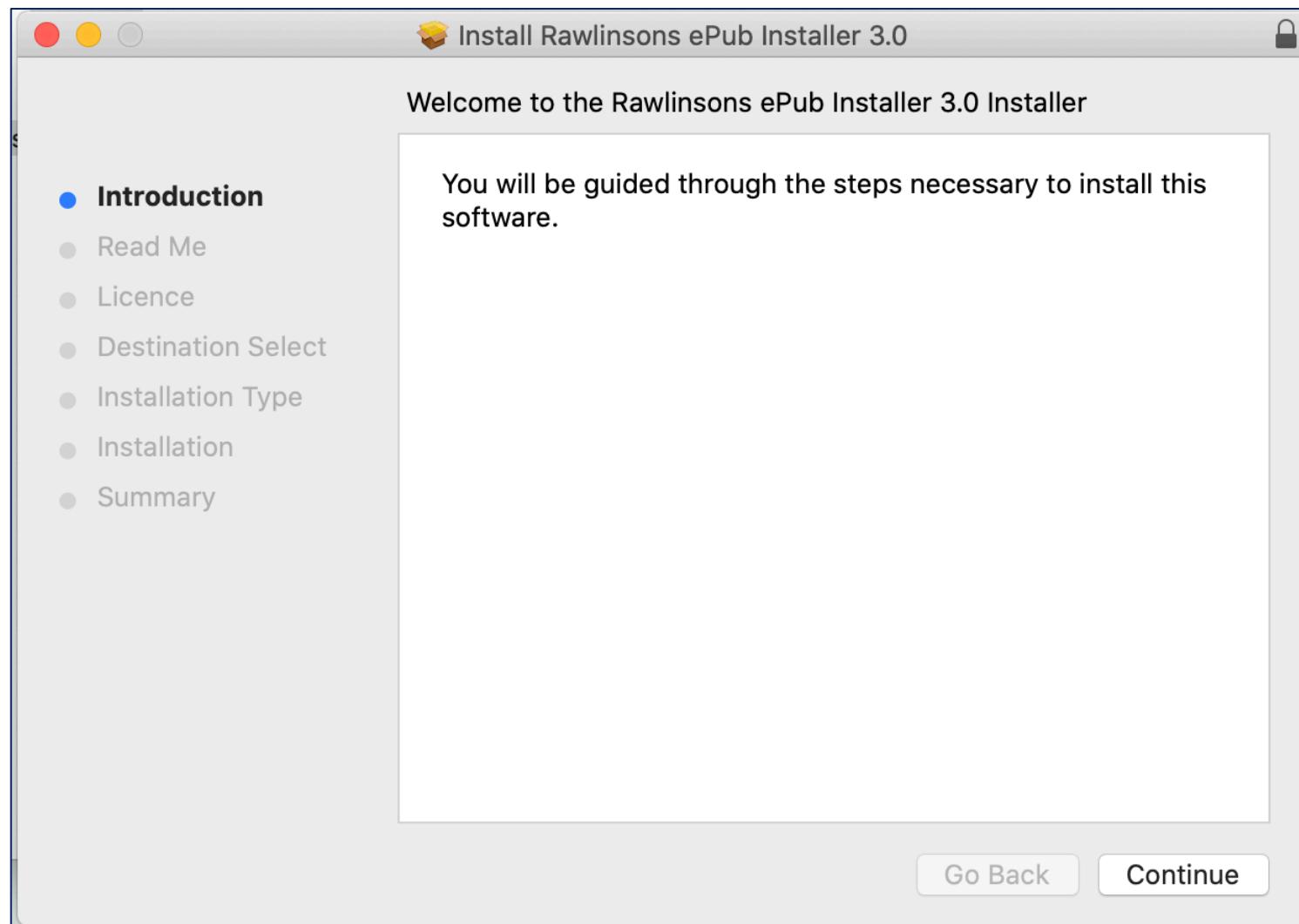
The installer will quickly progress through 'Verification', 'Attaching' and 'Finishing' dialogs



Login & Install



Double click the pkg file to run the viewer software installation



The Installer will begin, click Continue to proceed



Install Rawlinsons ePub Installer 3.0

Important Information

- Introduction
- **Read Me**
- Licence
- Destination Select
- Installation Type
- Installation
- Summary

Read me for
Rawlinsons ePub Application 3.0
for Mac version 10.6+

- Application Version: 3.0

Thank you for using **Rawlinsons ePub Application 3.0**. This file
contains important information regarding this release. We recommend
that you read the entire document.

Print... Save... Go Back Continue

Click Continue to proceed



Install Rawlinsons ePub Installer 3.0

Software Licence Agreement

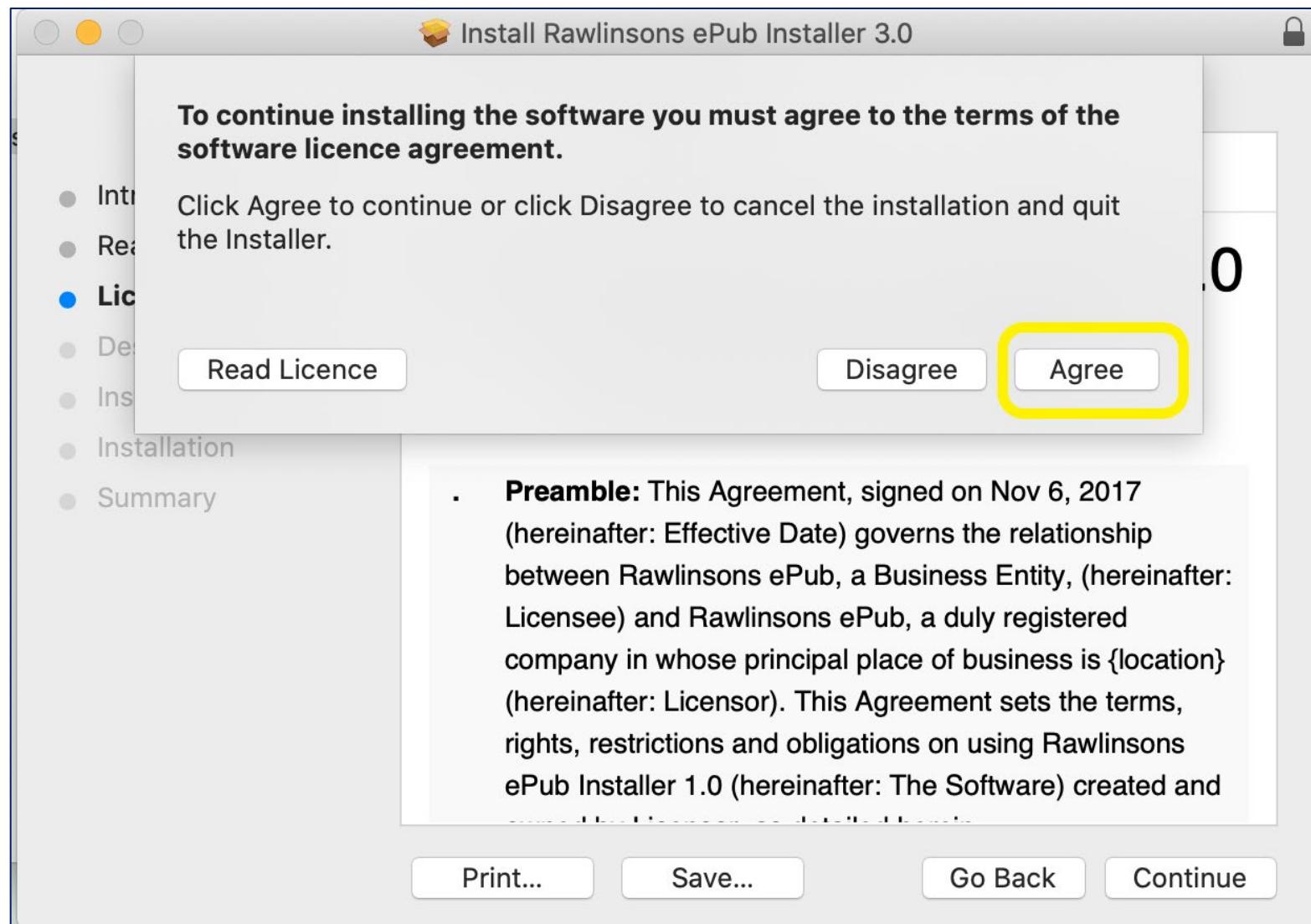
English

Rawlinsons ePub Installer 3.0 - Terms and conditions

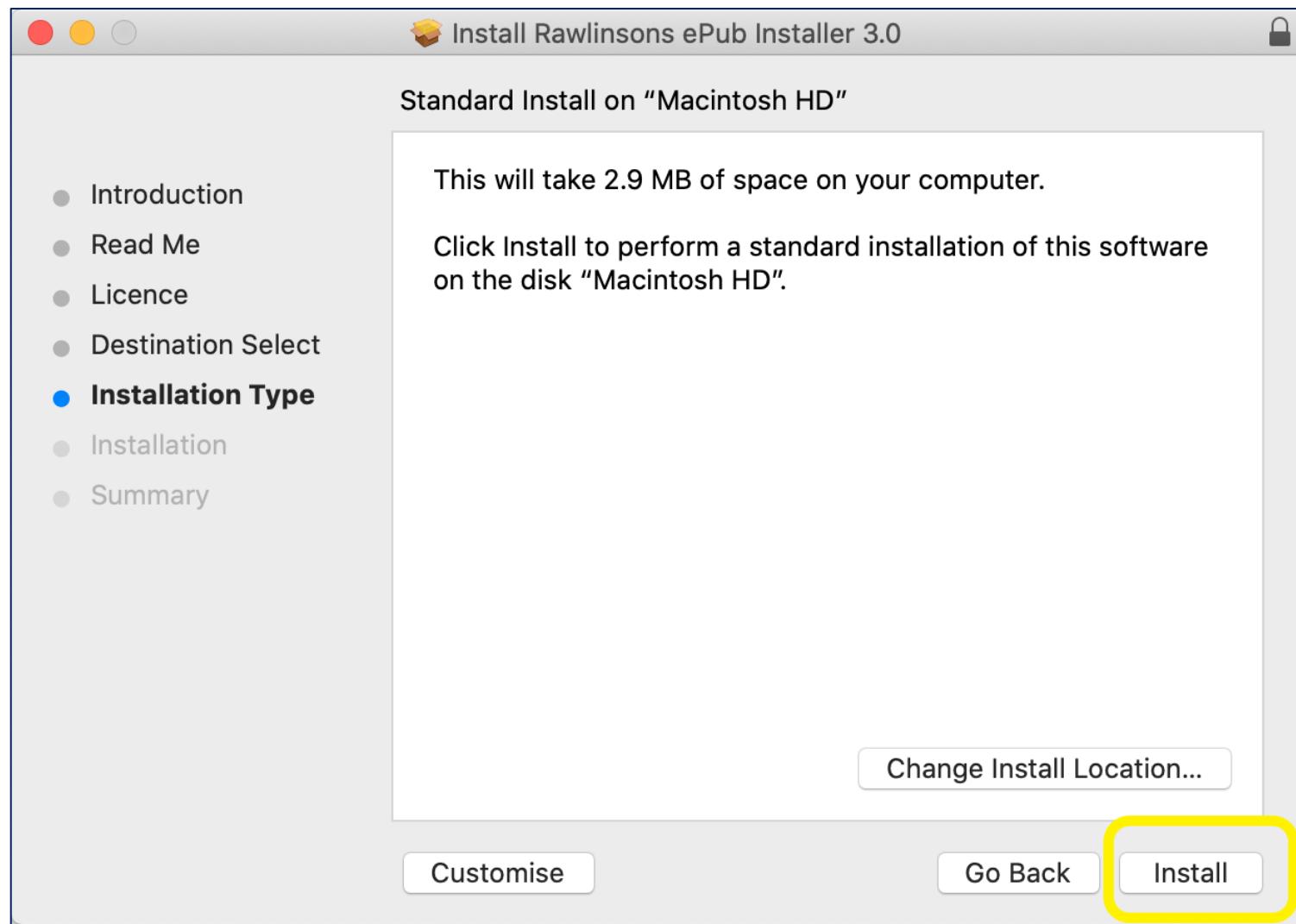
Preamble: This Agreement, signed on Nov 6, 2017 (hereinafter: Effective Date) governs the relationship between Rawlinsons ePub, a Business Entity, (hereinafter: Licensee) and Rawlinsons ePub, a duly registered company in whose principal place of business is {location} (hereinafter: Licensor). This Agreement sets the terms, rights, restrictions and obligations on using Rawlinsons ePub Installer 1.0 (hereinafter: The Software) created and

Print... Save... Go Back Continue

Click Continue to proceed



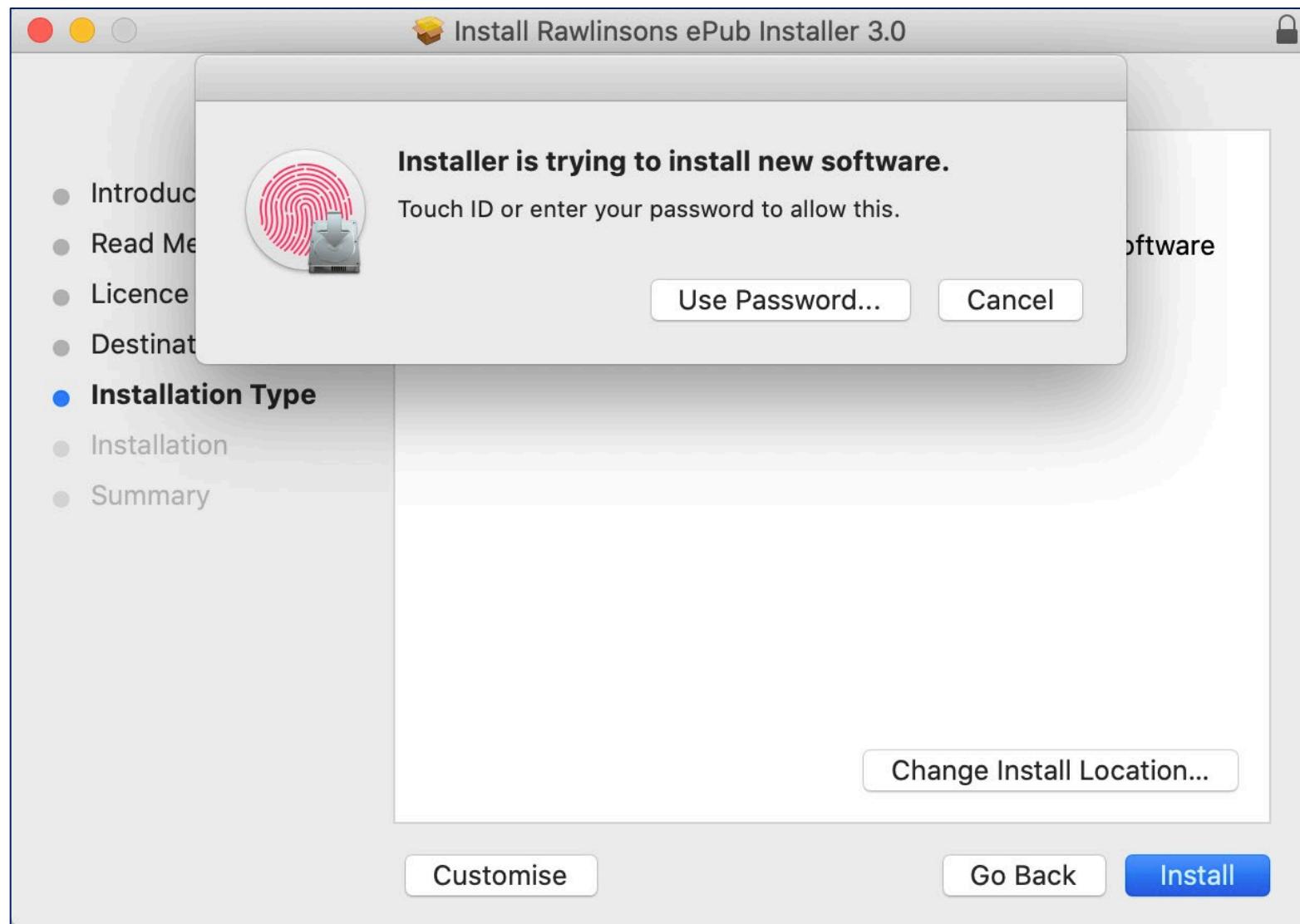
Click Agree to accept the terms and proceed



The Installer will auto select your main drive as the file Destination, or give you a choice if you are using more than one drive. It will then skip to Installation Type. Click Install



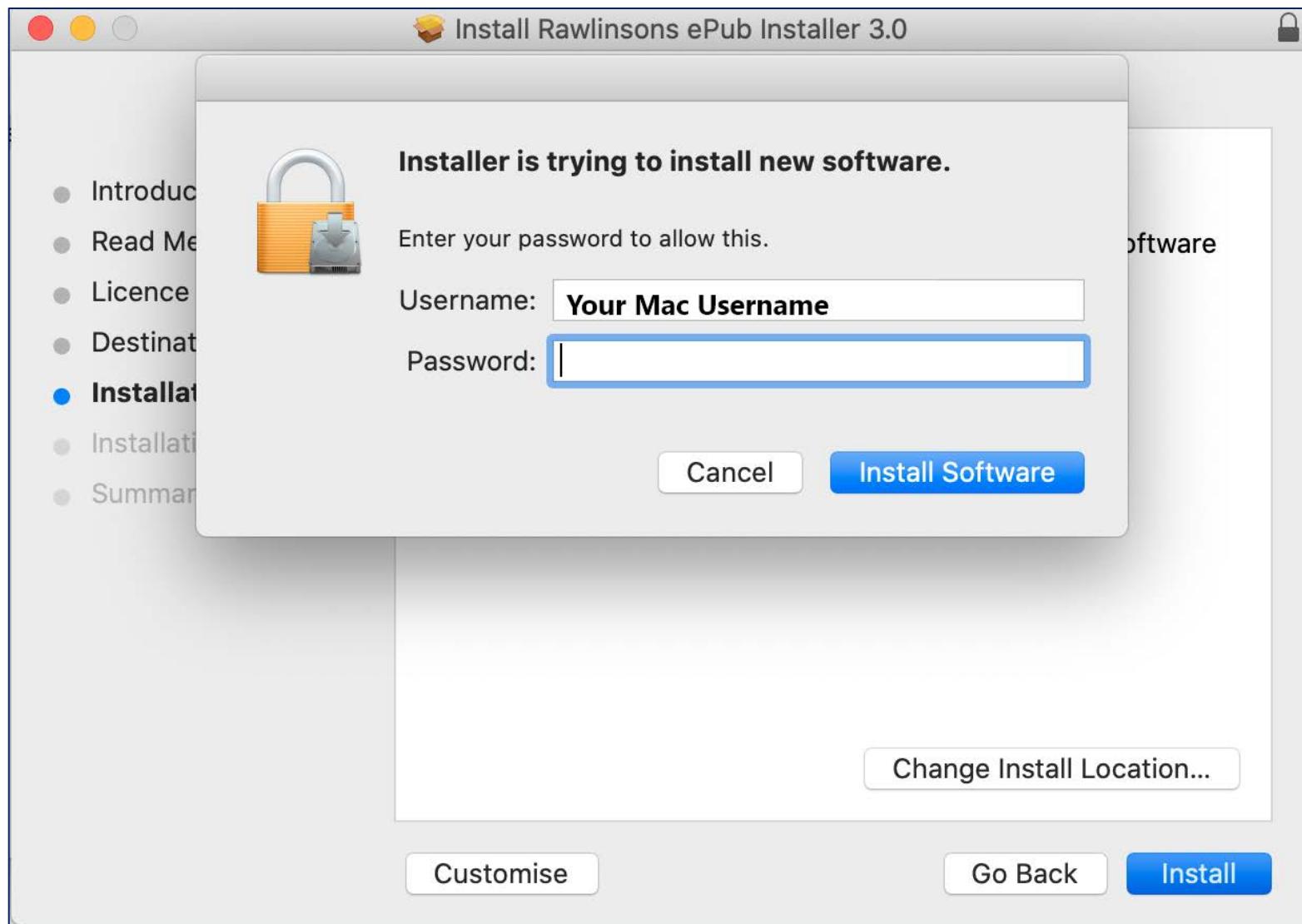
Login & Install



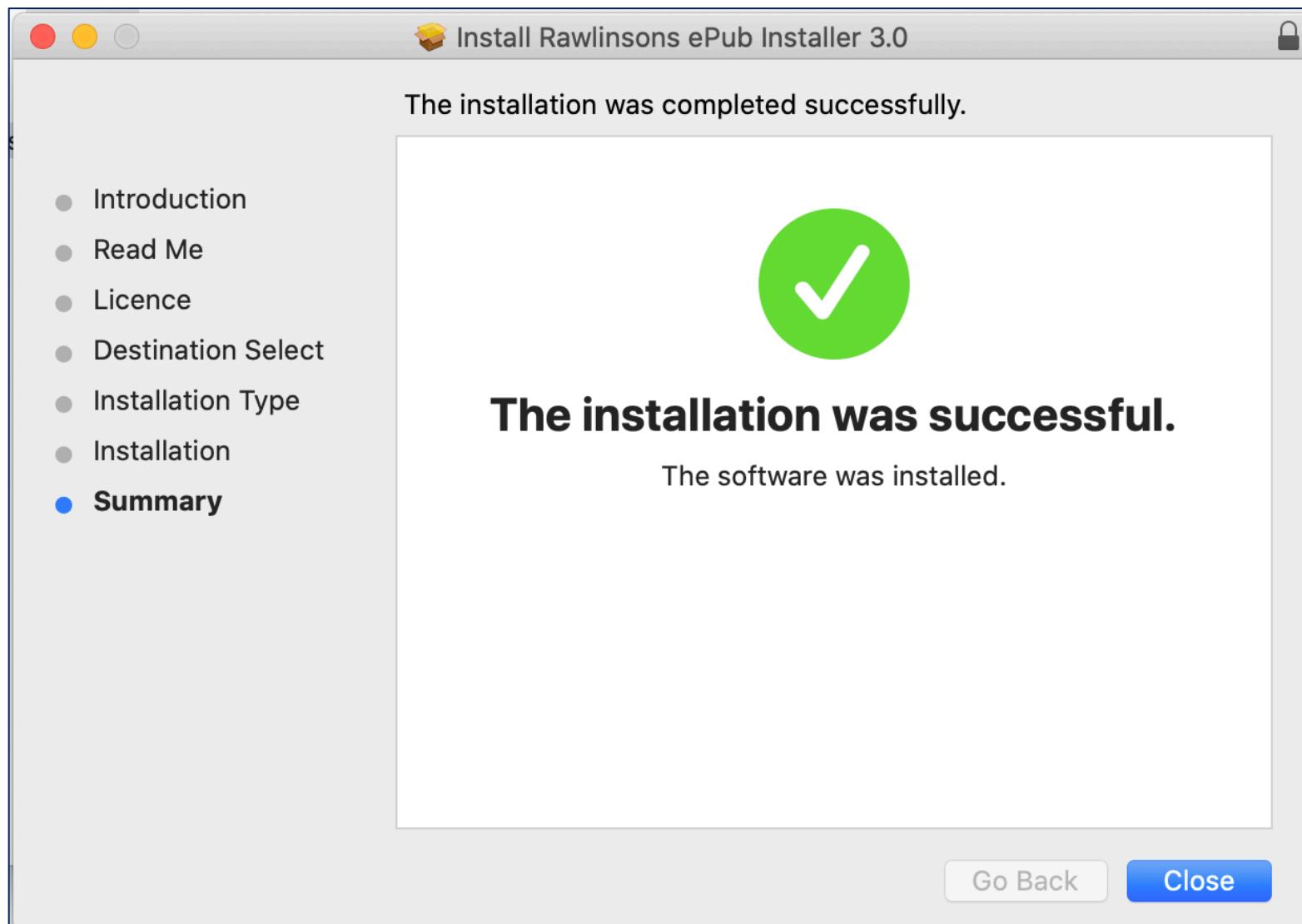
Use your touch ID pad if that is your preference or click Use Password if asked to confirm the installation



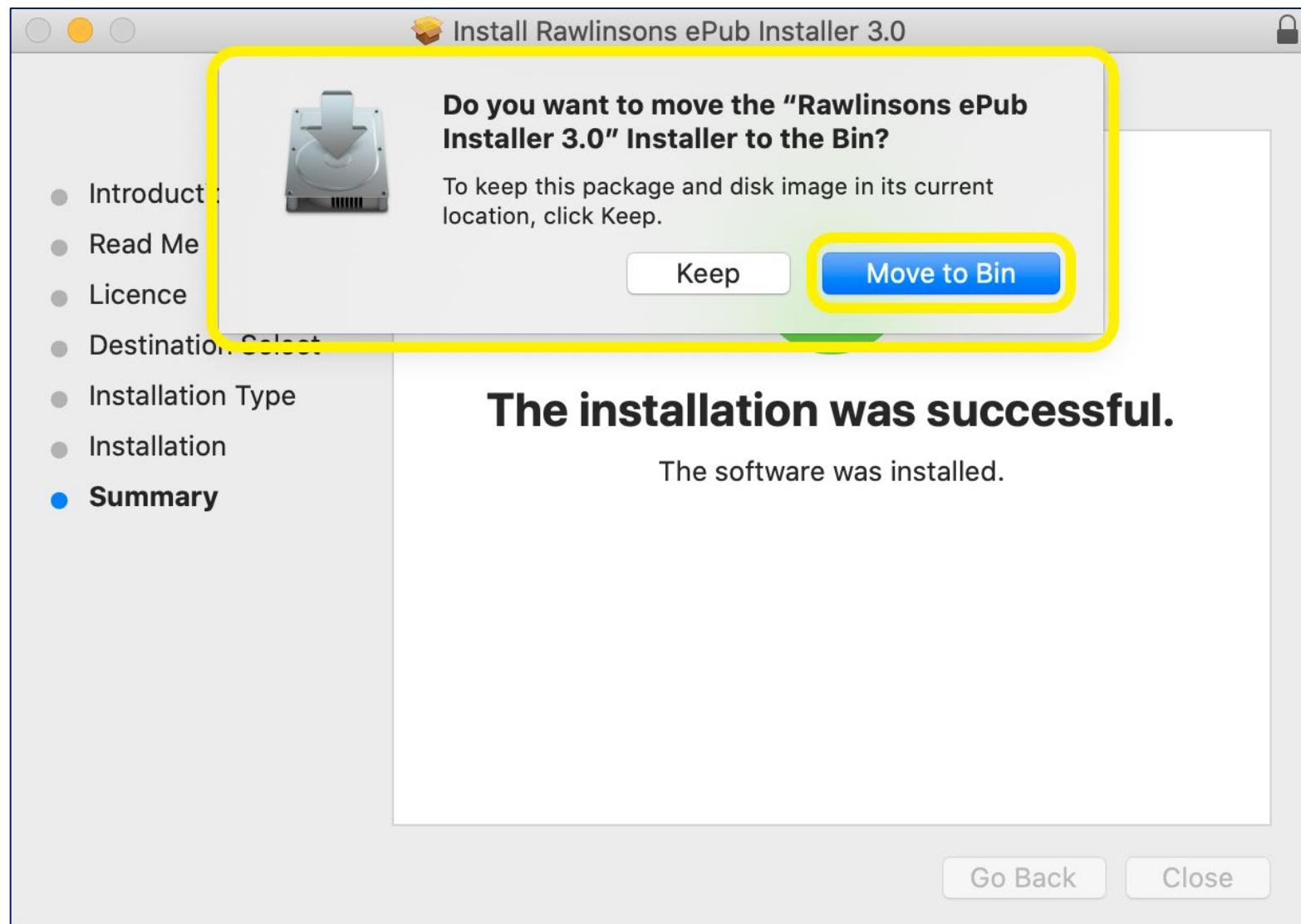
Login & Install



Enter your Apple password and click Install Software to proceed



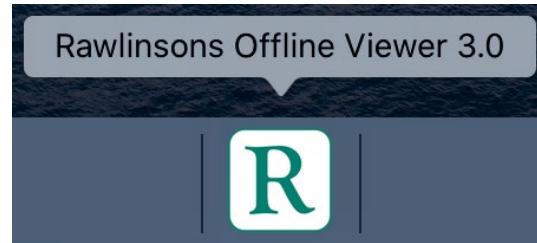
Installation is complete, click close to exit the installer



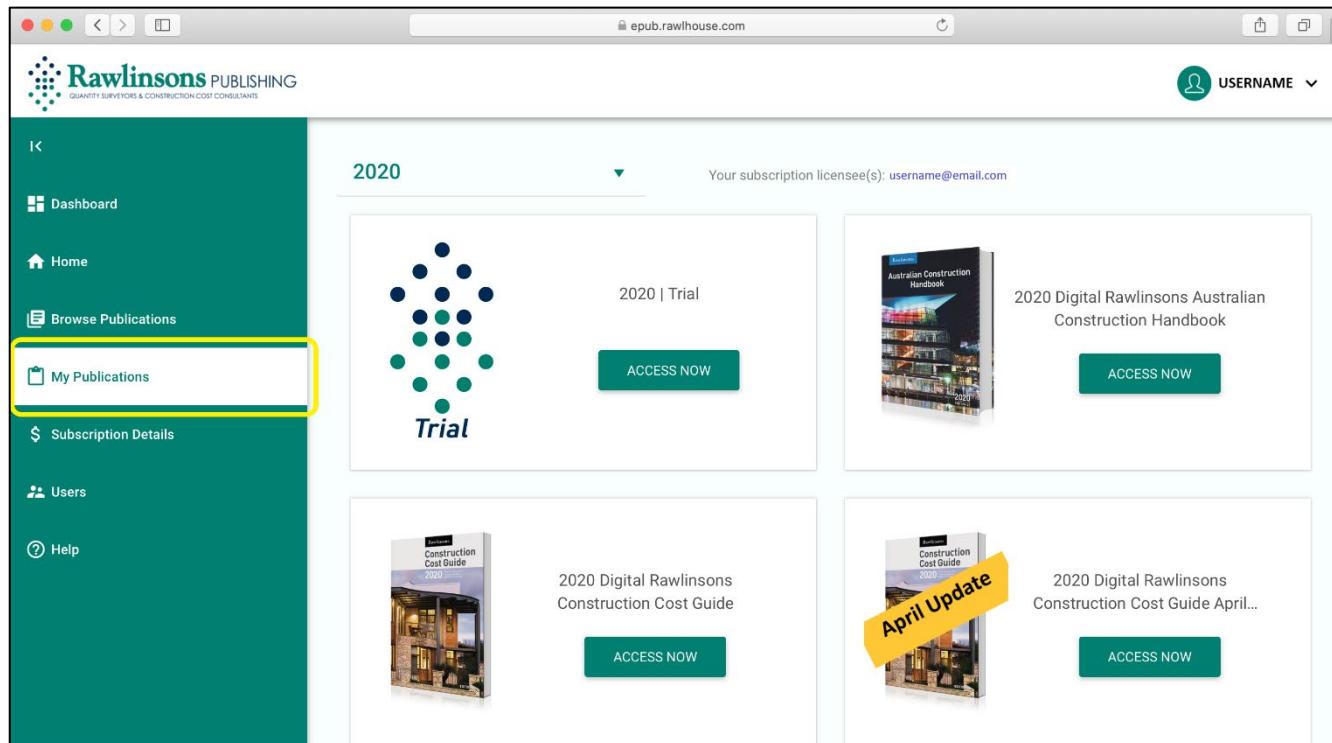
Depending on your personal settings you may be asked if you now want to remove the installer. It can be moved to the Bin



Login & Install



After installation you may see the app icon on your desktop or Dock. **You should not open the app here for initial access.** In the first instance, you must access your publications from within the EPUB portal in 'My Publications', the app will work in the background to open the publications for you. The desktop app can be used once you have assigned your license from within the EPUB portal for offline access



The screenshot shows the Rawlinsons EPUB portal interface. On the left, a sidebar menu is visible with the following items: Dashboard, Home, Browse Publications, **My Publications** (which is highlighted with a yellow box), Subscription Details, Users, and Help. The main content area is titled '2020' and shows a list of publications. The first item is '2020 | Trial' with a 'Trial' logo, followed by '2020 Digital Rawlinsons Australian Construction Handbook', '2020 Digital Rawlinsons Construction Cost Guide', and '2020 Digital Rawlinsons Construction Cost Guide April...'. Each publication item has a 'ACCESS NOW' button. A yellow diagonal banner with the text 'April Update' is overlaid on the fourth publication item.



My Publications

The screenshot shows the Rawlinsons Publishing 'My Publications' page. The left sidebar includes links for Dashboard, Home, Browse Publications, My Publications (which is selected and highlighted in white), Subscription Details, Users, and Help. The page header shows the Rawlinsons Publishing logo and a 'USERNAME' dropdown. The main content area displays the year '2020' with a dropdown arrow. A purple box highlights the text 'Your subscription licensee(s): licensee@email.com'. Below this, a 'Trial' section shows a logo and an 'ACCESS NOW' button. To the right, a yellow box highlights the '2020 Digital Rawlinsons Australian Construction Handbook' with its own 'ACCESS NOW' button. Further down, a yellow box highlights the '2020 Digital Rawlinsons Construction Cost Guide' with its 'ACCESS NOW' button. A purple box highlights the '2020 Digital Rawlinsons Construction Cost Guide April Update' with its 'ACCESS NOW' button. At the bottom, three callout boxes provide instructions: a purple box for the licensee email, a yellow box for purchased publications, and a pink box for quarterly updates.

2020

Your subscription licensee(s): licensee@email.com

2020 | Trial

ACCESS NOW

2020 Digital Rawlinsons Australian Construction Handbook

ACCESS NOW

2020 Digital Rawlinsons Construction Cost Guide

ACCESS NOW

2020 Digital Rawlinsons Construction Cost Guide April Update

ACCESS NOW

Your subscription licensee

This is the contact email of the licensee(s) for your subscription. If you have been assigned access by a colleague, contact the licensee with any access issues

The Publications that you have been assigned access to will be displayed like this

Quarterly updates will be displayed like this for April, July and October.

Select 'My Publications' from the left hand menu to view the titles you have purchased or have been assigned access to. You will have perpetual access to any year you have purchased, along with the quarterly updates for that year



My Publications

The screenshot shows the Rawlinsons Publishing 'My Publications' interface. The left sidebar includes links for Dashboard, Home, Browse Publications, My Publications (which is selected and highlighted in white), Subscription Details, Users, and Help. The main content area shows a 'Select Edition Year' dropdown menu with options for 2020, 2019, and 2018. The 2020 option is selected and highlighted with a yellow circle. Below the dropdown, a 'Trial' section is visible. To the right, there are four publication items: '2020 Digital Rawlinsons Australian Construction Handbook' (with an 'ACCESS NOW' button highlighted with a yellow circle), '2020 Digital Rawlinsons Construction Cost Guide' (with an 'ACCESS NOW' button), '2020 Digital Rawlinsons Construction Cost Guide April Update' (with an 'ACCESS NOW' button), and another '2020 Digital Rawlinsons Construction Cost Guide April Update' (with an 'ACCESS NOW' button). The URL in the browser bar is 'epub.rawlhouse.com'.

As you add new or past editions you can view the other years by using the dropdown menu



Click the dropdown arrow to show and select from available years



Click 'ACCESS NOW' to launch the required publication

Rawlinsons ePub viewer app will run in the background to open up the publication for you



My Publications

The screenshot shows a web browser window for epub.rawlhouse.com. The page is titled "Rawlinsons PUBLISHING" and features a sidebar with links: Dashboard, Home, Browse Publications, My Publications (which is selected and highlighted in green), Subscription Details, Users, and Help. The main content area is titled "2020" and shows several publication thumbnails. A modal window is centered on the screen, asking "Do you want to allow this page to open 'RawlinsonsePubApp' to open the publication?". The "Allow" button is highlighted with a yellow circle. The publications visible include "2020 | Trial", "2020 Digital Rawlinsons Australian Construction Handbook", "2020 Digital Rawlinsons Construction Cost Guide", and "2020 Digital Rawlinsons Construction Cost Guide April...". Each publication has an "ACCESS NOW" button.

When you click ACCESS NOW you will be asked to confirm that you want to use 'RawlinsonsePubApp' to open the publication. Click 'Allow'
Please note: The App is called Rawlinsons Offline Viewer due to its dual purpose. Offline use is covered later in this guide



My Publications

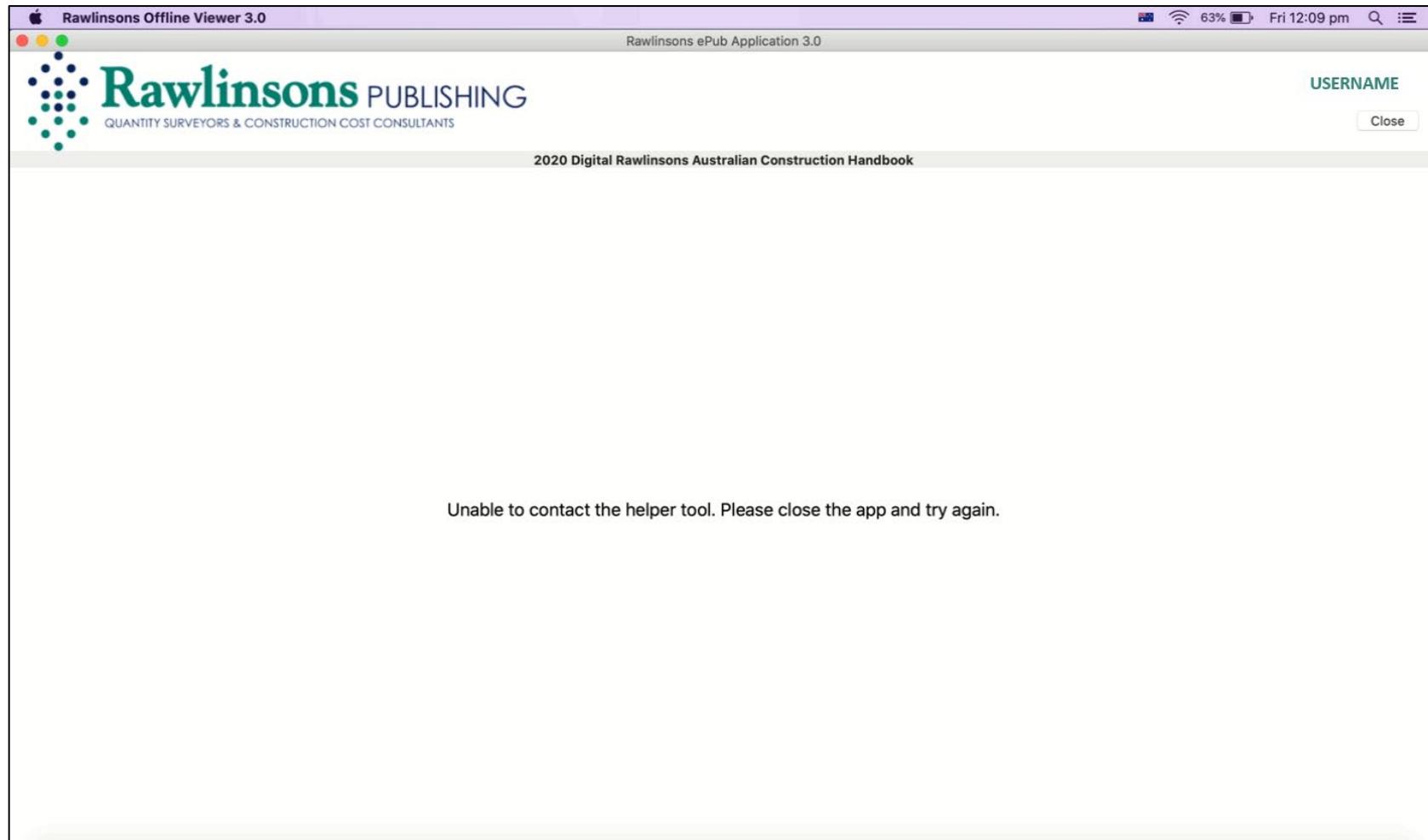
The screenshot shows a web browser window for epub.rawlhouse.com. The left sidebar is a dark teal navigation bar with the following items: Dashboard, Home, Browse Publications, My Publications (which is selected and highlighted in light teal), Subscription Details, Users, and Help. The main content area features the Rawlinsons Publishing logo and a large image of a person holding architectural blueprints. A yellow box highlights a modal dialog box in the center. The dialog box has a lock icon and the text: "Rawlinsons Offline Viewer 3.0 is trying to install a new helper tool. Enter your password to allow this." It contains two input fields: "Username: Your Mac Username" and "Password: [redacted]". There are "Cancel" and "Install Helper" buttons. To the right of the modal, there are three promotional boxes: "2020 Digital Rawlinsons Australian Construction Handbook" with a "ACCESS NOW" button, "2020 Digital Rawlinsons Construction Cost Guide April..." with a "ACCESS NOW" button, and a "Rawlinsons ePub Application 1.0" section with a "ACCESS NOW" button. At the bottom left of the main content area, it says "Powered by vLinkD" with a logo.

You will see the App image and be asked to install the helper tool. This is required for your Apple to recognise and remember the App for future use. Enter your Apple ID password and click 'Install Helper'

Please note: The App is called Rawlinsons Offline Viewer due to its dual purpose. Offline use is covered later in this guide



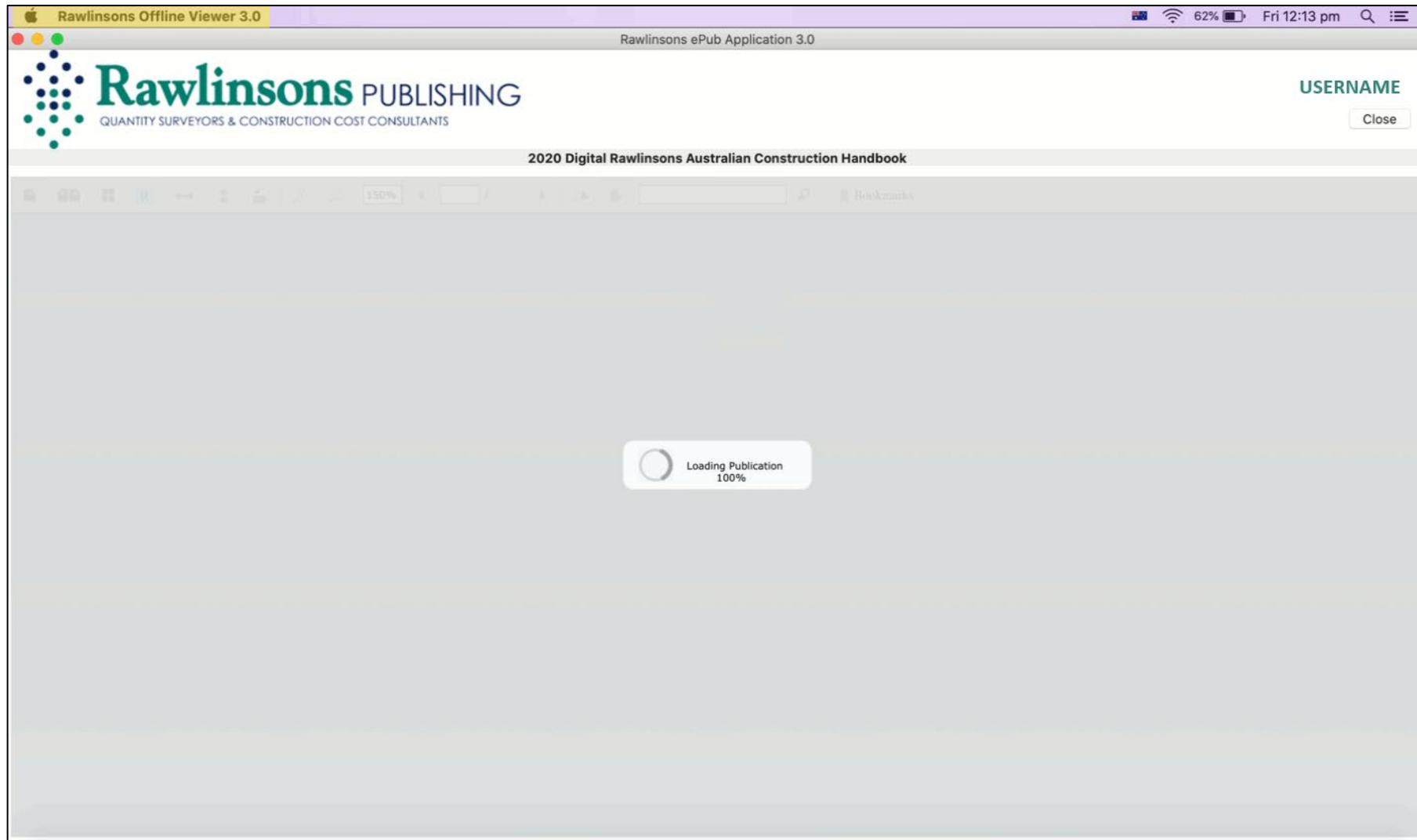
My Publications



You will see this message if you do not install the helper tool. Close and click 'Access Now' again to confirm the installation



My Publications



As the publication loads a dialog box will open to full screen and show loading progress
Please note: The App is called Rawlinsons Offline Viewer due to its dual purpose. Offline use is covered later in this guide



My Publications

Rawlinsons Offline Viewer 3.0

Rawlinsons eBook Application 3.0

Rawlinsons PUBLISHING

QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME

Close

2020 Digital Rawlinsons Australian Construction Handbook

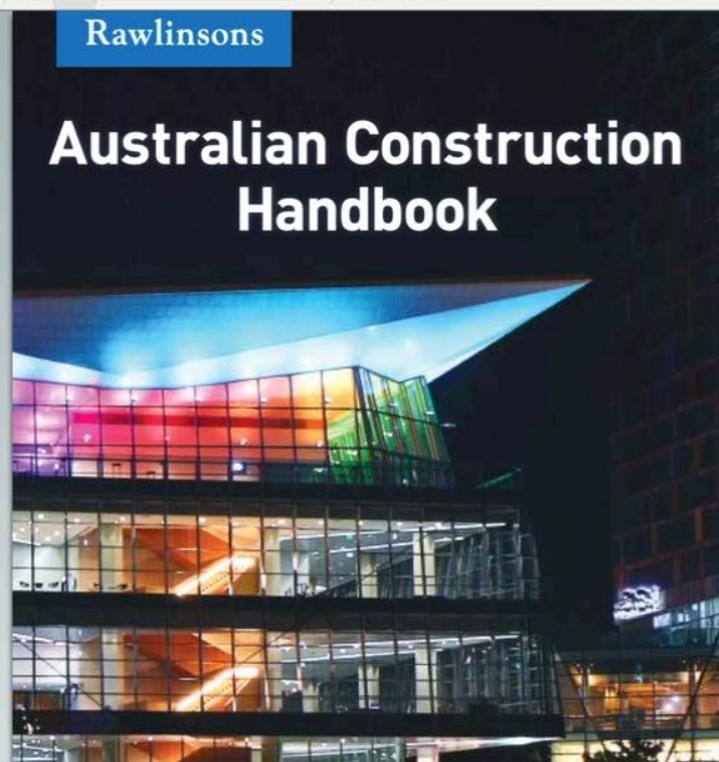
Bookmarks

CONTENTS..... 7
ADVERTISERS INDEX..... 9
HOW TO USE THIS HANDBOOK..... 11
INTRODUCTION..... 13
EDITORS COMMENT..... 14
ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
+ ESTIMATING..... 17
+ DETAILED PRICES..... 171
+ REFURBISHMENT AND RECYCLING BUILDINGS..... 745
+ LABOUR AND PLANT CONSTANTS..... 775
TRADE RATIOS..... 812
+ BUILDING INDICES..... 813
DEVELOPERS CONTRIBUTIONS..... 845
+ BUILDING PLAN., ADMIN. AND MANAGEMENT..... 857
+ RENTAL REVIEW..... 925
INTERNATIONAL CONSTRUCTION COSTS..... 955
MENSURATION..... 975
INDEX..... 979
+ CANBERRA, DARWIN, HOBART..... 1023

User Bookmarks

Rawlinsons

Australian Construction Handbook



Highlight Create Note Strikeout Draw Delete Annotations Add Bookmark

Once loaded, the cover of the publication will show as page 1 of the document. Contents are listed as bookmarks on the left
Please note: The App is called Rawlinsons Offline Viewer due to its dual purpose. Offline use is covered later in this guide



The screenshot shows a digital handbook interface. At the top, the Rawlinsons Publishing logo is visible, followed by the title "2020 Digital Rawlinsons Australian Construction Handbook". The top navigation bar includes a search bar with the term "concrete", a magnifying glass icon, and a "Bookmarks" icon. The main content area displays a table of contents or a list of items, with the term "concrete" highlighted in a yellow box. A large yellow box highlights the search results on the left, showing entries like "p.7 : erpinning" and "p.22 : and two side walls, reinforced [concrete] ground slab". A purple box highlights the "Bookmarks" icon in the top bar. A yellow box highlights the word "concrete" in the main content area, which is also shown in a large, bold, black font on a yellow background. The bottom of the screen shows a toolbar with various annotation tools and the text "Edition 38", "22", and "Rawlinsons 2020".

Using the search function within the top tool bar provides a list of results in the left hand column. Click on the result to navigate to that page. The one you are viewing will be highlighted in the list and the search term will be highlighted on the page (blown up here as an example). When you want to return to Bookmarks, click the icon in the top tool bar



Rawlinsons ePUB Application 3.0

Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME Close

2020 Digital Rawlinsons Australian Construction Handbook

Bookmarks Bookmarks

CONTENTS..... 7
ADVERTISERS INDEX..... 9
HOW TO USE THIS HANDBOOK..... 11
INTRODUCTION..... 13
EDITORS COMMENT..... 14
ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
+ ESTIMATING..... 17
+ DETAILED PRICES..... 171
+ REFURBISHMENT AND RECYCLING BUILDINGS..... 745
+ LABOUR AND PLANT CONSTANTS..... 775
TRADE RATIOS..... 812
+ BUILDING INDICES..... 813
DEVELOPERS CONTRIBUTIONS..... 845
+ BUILDING PLAN, ADMIN. AND MANAGEMENT..... 857
+ RENTAL REVIEW..... 925
INTERNATIONAL CONSTRUCTION COSTS..... 955
MENSURATION..... 975
INDEX..... 979
COMPANY PROFILE..... 1023

Bookmarks User Bookmarks

Highlight Create Note Strikeout Draw Delete Annotations Add Bookmark

INDEX

A

Ablution Troug [t](#), 458, 459
ACA communication [consult](#), 550
Access, 302, 304, 545
column, service, 545
control systems, 544, 545
covers and grazing
 cast iron, 302
 covers and gratings, 302
 duct, 304
 ductile iron, 300, 301
 galvanised steel, 293, 301, 302
 precast concrete, 503
flooring, 295, 296
ladder, 117, 306
panels (duct), 304
Accessible cable management flooring
system, 296
Accessories, toilet, 315-319
Accordion doors, 383
Acid
 etch
 finish, 125, 145, 242
 preparation, 430
 resisting
 brickwork, 267
 tiles, 433
Acoustic
 ceiling
 metal tiles, 154, 426
 plaster tiles, 424
 plywood, 425
 door, 374, 375

Additions and new works within existing
building, 210
Address system, 526
Administrative buildings
 civic, 20, 21
 school, 21, 24
 university, 24
Aerated concrete
 blocks, 266
 panels
 cladding, 254
 floor, 254
 noise barrier, 717
 wall, 254
partition wall system, 393
Aged persons homes, 44
Agricultural
 buildings, 22
 drain pipe and fittings (subsoil)
 fibre reinforced cement, 497
polyethylene, 498
polypropylene, 498
thermoplastic cored, 499

Air
 bricks, 262
 compressor, hire, 739
 conditioning
 computer rooms, 614
 cooling loads, 609, 648-653
 diffusion equipment, 642
 domestic ducted, 610
 balancing, commissioning, 642
 ductwork, 635-638
 insulation, 638

Aisle lighting, 699
Alarm
 break glass, 524
systems
 domestic, 513
 fire, 524
 security, 521
Alignment strips and plaster daubs, 422
Alkyd enamel, 148, 153, 154, 448-450
Altar, 883
Alterations
 additions and new works within existing
 building, 210
 openings, 207, 208
 preparatory work, repairs, 208
 protection, 209
 removal of asbestos fireproofing, 208, 209
 temporary screens, 209
 work in connection with plumbing, 209
Alternator, diesel standby
enclosure, 530, 531
Alucobond
 panels, 299, 366
Aluminium
 access column, 545
 acoustic tile ceiling, 426
 air relief grille, 296
 angle trim, 296
 ash cylinder, 233
 balustrade, 315
 base material price, 291
 bed screen track, 304
 bench
 duct, 545

All page numbers within the index, and page references throughout the text, are hyperlinked to allow quick access to that page



The screenshot shows the Rawlinsons ePUB Application 3.0 interface. The top bar displays the application name and a 'USERNAME' field with a 'Close' button. The main content area is titled '2020 Digital Rawlinsons Australian Construction Handbook'. On the left, a 'Bookmarks' panel is open, showing a hierarchical list of contents. A yellow box highlights the 'Bookmarks' section and the first few items in the list. A yellow circle highlights the 'x' button in the top right corner of the bookmarks panel. The main content area features a large title 'ESTIMATING BUILDING COSTS PER SQUARE METRE' and a 'CONTENTS' table of contents.

CONTENTS

- CONTENTS..... 7
- ADVERTISERS INDEX..... 9
- HOW TO USE THIS HANDBOOK..... 11
- INTRODUCTION..... 13
- EDITORS COMMENT..... 14
- ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
- + ESTIMATING..... 17
 - + Building Cost Per Square Metre..... 19
 - Explanatory Notes..... 20
 - Administration, Civic..... 20
 - Banks..... 23
 - Educational 23
 - Entertainment..... 25
 - Hospitals, Health 25
 - Hotels, Motels, Clubs..... 26
 - Industrial 29
 - Agricultural 22
 - Offices..... 32
 - Parking..... 35
 - Recreational..... 36
 - Religious..... 41
 - Residential..... 41
 - Retail..... 45
 - + Elemental Cost of Buildings..... 49
 - + Comparative Costs..... 107

CONTENTS

	Pages
EXPLANATORY NOTES	20
1.0 ADMINISTRATION, CIVIC.....	20-22
2.0 AGRICULTURAL.....	22
3.0 BANKS.....	23
4.0 EDUCATIONAL	23-24
5.0 ENTERTAINMENT.....	25
6.0 HOSPITALS, HEALTH	25-26
7.0 HOTELS, MOTELS, CLUBS	26-29
8.0 INDUSTRIAL	29-32
9.0 OFFICES	32-35
10.0 PARKING.....	35-36
11.0 RECREATIONAL.....	36-40

Bookmarks can be expanded out to 3 levels within sections, to allow for quick access to your required pages.

If you prefer to close the bookmarks list, use the x

Click the Bookmarks icon in the top tool bar to re-open the list



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

2020 Digital Rawlinsons Australian Construction Handbook

70% 11 / 1056 Bookmarks

How to Use This Handbook

BUILDING PRICE INDICES
These indices are a guide to the percentage variation in building costs for each year since 1969. This facilitates the updating of known costs to approximate current levels.

The indices are not valid for housing, small projects or remote country work, nor do they reflect the relative cost differential of the various cities.

The indices generally relate to all construction types, and as such, can only be a guide to specific project types.

REGIONAL INDICES
Regional indices give an indication of the locality adjustment factor to be applied to the figures of the base city in each state in order to arrive at a figure for country towns.

The respective index figures are a broad indication only of the cost variation and are applicable to the total project cost.

Choice of material, degree of prefabrication and general work load will have a considerable bearing on cost differentials.

ESTIMATING - BUILDING COSTS PER SQUARE METRE
This provides the average cost range for a wide selection of typical buildings. Whilst square metre costs are recommended for use in initial feasibility studies only, they also provide the base figure in the valuation of buildings, however when so used they should be adjusted as described in the following Elemental Costs of Buildings. It should also be noted that, as the figures given are for a typical building on a flat site, adjustment must be made for such factors as sloping sites, ground conditions, unusual shape and other design considerations.

The costs given are based on the total floor area of all levels, measured between the inner faces of external walls, refer pages 8/8 to 8/8 for measurement of areas.

It is important to refer to page 20 for further notes on the use of these costs.

ESTIMATING - ELEMENTAL COSTS OF BUILDINGS
This assists in the compilation of a more accurate cost per square metre through evaluation and adjustment of the mean figures of the various elements of the foregoing typical buildings, to reflect the particular building being examined. Examples of the major variations from the typical are the likes of special facade treatments, the extent of floor finishes and whether or not the building services include air-conditioning, lifts, etc.

It is important to refer to pages 20, 50 and 51 for further notes on the allowances and use of these costs.

ESTIMATING - COMPARATIVE COSTS
The more detailed rates given in this section facilitate a finer adjustment of the foregoing elemental figures through the application of unit costs to a particular element i.e. different design treatments such as facades, interior finishes, etc.

The costs given are all-up estimating costs, i.e. they include allowance for labour and minor items. For items not covered in this section it will be necessary to refer to the Detailed Prices section.

Highlight Create Note Strikeout Draw Delete Annotations Add Bookmark Add New Bookmark

You can add your own bookmarks to give quick access to the pages you use most. Click the 'Add Bookmark' button at the bottom of the page to begin your own list



Rawlinsons PUBLISHING

QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME

Close

Bookmarks

CONTENTS..... 7
ADVERTISERS INDEX..... 9
HOW TO USE THIS HANDBOOK..... 11
INTRODUCTION..... 13
EDITORS COMMENT..... 14
ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
+ ESTIMATING..... 17
+ DETAILED PRICES..... 171
+ REFURBISHMENT AND RECYCLING BUILDINGS..... 745
+ LABOUR AND PLANT CONSTANTS..... 775
TRADE RATIOS..... 812
+ BUILDING INDICES..... 813
DEVELOPERS CONTRIBUTIONS..... 845
+ BUILDING PLAN, ADMIN. AND MANAGEMENT..... 857
+ RENTAL REVIEW..... 925
INTERNATIONAL CONSTRUCTION COSTS..... 955
MENSURATION..... 975
INDEX..... 979
+ CANBERRA, DARWIN, HOBART..... 1023

User Bookmarks

No bookmarks available

Highlight Create Note Strikeout Draw Delete Annotations Add Bookmark

epub.rawlhouse.com

Add Bookmark

Bookmark Text *

Enter bookmark text

Page Number

11

SUBMIT CANCEL

The table of contents lists various sections and their page numbers. The 'Bookmarks' section shows a list of items with page numbers. The 'User Bookmarks' section indicates 'No bookmarks available'. A yellow box highlights the 'Add Bookmark' dialog box, which contains fields for 'Bookmark Text' and 'Page Number', with the 'Page Number' field showing '11' (which is also circled in yellow). Below the dialog box, the main content area displays sections like 'ESTIMATING - BUILDING COSTS PER SQUARE METRE' and 'ESTIMATING - ELEMENTAL COSTS OF BUILDINGS'.

The page number you are currently viewing will show automatically in the dialog box. You just need to add a your chosen name for the page in the Bookmark text box



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

2020 Digital Rawlinsons Australian Construction Handbook

USERNAME Close

70% 1056 Bookmarks

Bookmarks

- CONTENTS..... 7
- ADVERTISERS INDEX..... 9
- HOW TO USE THIS HANDBOOK..... 11
- INTRODUCTION..... 13
- EDITORS COMMENT..... 14
- ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
- + ESTIMATING..... 17
- + DETAILED PRICES..... 171
- + REFURBISHMENT AND RECYCLING BUILDINGS..... 745
- + LABOUR AND PLANT CONSTANTS..... 775
- TRADE RATIOS..... 812
- + BUILDING INDICES..... 813
- DEVELOPERS CONTRIBUTIONS..... 845
- + BUILDING PLAN, ADMIN. AND MANAGEMENT..... 857
- + RENTAL REVIEW..... 925
- INTERNATIONAL CONSTRUCTION COSTS..... 955
- MENSURATION..... 975
- INDEX..... 979
- + CANBERRA, DARWIN, HOBART..... 1023

User Bookmarks

- [How To...11](#)
- [How To...11](#)

Annotations Add Bookmark

HOW TO USE THIS HANDBOOK

BUILDING PRICE INDICES
These indices are a guide to the percentage variation in building costs for each year since 1969. This facilitates the updating of known costs to approximate current levels.

The indices are not valid for housing, small projects or remote country work, nor do they reflect the relative cost differential of the various cities.

The indices generally relate to all construction types, and as such, can only be a guide to specific project types.

REGIONAL INDICES
Regional indices give an indication of the locality adjustment factor to be applied to the figures of the base city in each state in order to arrive at a figure for country towns.

The respective index figures are a broad indication only of the cost variation and are applicable to the total project cost.

Choice of material, degree of prefabrication and general work load will have a considerable bearing on cost differentials.

ESTIMATING - BUILDING COSTS PER SQUARE METRE
This provides the average cost range for a wide selection of typical buildings. Whilst square metre costs are recommended for use in initial feasibility studies only, they also provide the base figure in the valuation of buildings, however when so used they should be adjusted as described in the following Elemental Costs of Buildings. It should also be noted that, as the figures given are for a typical building on a flat site, adjustment must be made for such factors as sloping sites, ground conditions, unusual shape and other design considerations.

The costs given are based on the total floor area of all levels, measured between the inner faces of external walls; refer pages 87/8 to 87/9 for measurement of areas.

It is important to refer to page 20 for further notes on the use of these costs.

ESTIMATING - ELEMENTAL COSTS OF BUILDINGS
This assists in the compilation of a more accurate cost per square metre through evaluation and adjustment of the mean figures of the various elements of the foregoing typical buildings, to reflect the particular building being examined. Examples of the major variations from the typical are the likes of special facade treatments, the extent of floor finishes and whether or not the building services include air-conditioning, lifts, etc.

It is important to refer to pages 20, 50 and 51 for further notes on the allowances and use of these costs.

ESTIMATING - COMPARATIVE COSTS
The more detailed rates given in this section facilitate a finer adjustment of the foregoing elemental figures through the application of unit costs to a particular element i.e. different design treatments such as facades, interior finishes, etc.

The costs given are all-in estimating costs, i.e. they include allowance for labour and minor items. For items not covered in this section it will be necessary to refer to the Detailed Prices section.

Your new Bookmarks will be shown when the User Bookmarks menu is expanded and provide a direct link to the chosen page



My Publications

Rawlinsons ePUB Application 3.0

Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME Close

2020 Digital Rawlinsons Australian Construction Handbook

Bookmarks

CONTENTS..... 7
ADVERTISERS INDEX..... 9
HOW TO USE THIS HANDBOOK..... 11
INTRODUCTION..... 13
EDITORS COMMENT..... 14
ANTICIPATED BUILDING PRICE ADJUSTMENT, 2020. 15
+ ESTIMATING..... 17
+ DETAILED PRICES..... 171
+ REFURBISHMENT AND RECYCLING BUILDINGS..... 745
+ LABOUR AND PLANT CONSTANTS..... 775
TRADE RATIOS..... 812
+ BUILDING INDICES..... 813
DEVELOPERS CONTRIBUTIONS..... 845
+ BUILDING PLAN., ADMIN. AND MANAGEMENT..... 857
+ RENTAL REVIEW..... 925
INTERNATIONAL CONSTRUCTION COSTS..... 955
MENSURATION..... 975
INDEX..... 979
+ CANBERRA, DARWIN, HOBART..... 1023

User Bookmarks

Close App?
Are you sure you want to close this application?
No Yes

Highlight Create Note Strikeout Draw Delete Annotations Add Bookmark

Click close when you're finished, particularly if you have shared access, as this frees up the license for another user



Subscription Details – Licensee Users Only

Subscriptions

SNO	Title	Edition Year	Edition	Licensees	License in Use	Statistics	Order N...
6	2019 Bundle - Digital & Hardcopy Rawlinsons Australian Construction Handbook	2019	37	1	0	1 Views	N/A
7	2020 Digital Rawlinsons Australian Construction Handbook	2020	38	1	0	6 Views	N/A
8	2020 Digital Rawlinsons Construction Cost Guide	2020	28	1	0	0 Views	N/A

Licensed Users

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
No records available.						

The top section of the page lists the publications you have subscribed to by year. The number of licenses available for each publication and whether any licenses are in use, is shown in the further columns. You can also see general viewing statistics



Subscription Details – Licensee Users Only

The screenshot shows the 'Subscriptions' page of the Rawlinsons Publishing website. The left sidebar has a teal background with links: Dashboard, Home, Browse Publications, My Publications, Subscription Details (which is selected and highlighted in teal), Users, and Help. The main content area has a white background. At the top, there are 'ADVANCED SEARCH' and 'CLEAR' buttons. Below is a table with columns: SNO, Title, Edition Year, Edition, Licensees, License in Use, Statistics, and Order N... . The table contains three rows of data. The third row, which is highlighted with a yellow box and has a cursor over it, represents the '2020 Digital Rawlinsons Construction Cost Guide'. The 'Statistics' column for this row shows '0 Views'. The 'Licensed Users' section below shows a table with columns: SNO, Name, Email, Viewing Publication, Statistics, Status, and Actions. It lists three users: 'User Name', 'Named User', and 'Joe Bloggs', all of whom have '0 Views' and are 'Active'. The 'Actions' column for each user has a red 'X' and a circular icon. A 'SEARCH' bar and a 'ASSIGN USER LICENSE' button are also present in this section. The bottom of the page shows pagination and item counts.

SNO	Title	Edition Year	Edition	Licensees	License in Use	Statistics	Order N...
6	2019 Bundle - Digital & Hardcopy Rawlinsons Australian Construction Handbook	2019	37	1	0	1 Views	N/A
7	2020 Digital Rawlinsons Australian Construction Handbook	2020	38	1	0	6 Views	N/A
8	2020 Digital Rawlinsons Construction Cost Guide	2020	28	1	0	0 Views	N/A

Items per page: 1 2 ... 6 - 8 of 8 items

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

Items per page: 1 2 ... 1 - 3 of 3 items

Click on a title line so that it becomes defined in grey, the list of users for that publication is then displayed in the lower section of the page.

If you have a large list of users you can expand it out via the dropdown arrow



Subscription Details – Licensee Users Only

Subscriptions

ADVANCED SEARCH ▾ CLEAR

SNO	Title	Edition Year	Edition	Licensees	License in Use	Statistics	Order N...
6	2019 Bundle - Digital & Hardcopy Rawlinsons Australian Construction Handbook	2019	37	1	0	1 Views	N/A
7	2020 Digital Rawlinsons Australian Construction Handbook	2020	38	1	1	7 Views	N/A
8	2020 Digital Rawlinsons Construction Cost Guide	2020	28	1	0	0 Views	N/A

◀ ▶ 1 2 ▶ ... items per page ⟳ 6 - 8 of 8 items

When a license is in use it will be shown on the title line in the top section of the page



Subscription Details – Licensee Users Only

Licensed Users

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	Yes	7 Views	Active	
2	Named User	named.user@email.com	No	0 Views	Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

Search ASSIGN USER LICENSE

✓ Assign user license
✗ Revoke user license
▢ Assign offline lease
☒ Revoke offline lease

1 - 3 of 3 items

You can see who is currently using the publication in the users list below. It will show 'Yes' in the viewing publication column and display an eye icon in the actions column. You can release the license for other users by clicking this icon. The current user will be informed that the licensee has ended the session



Subscription Details – Licensee Users Only

Licensed Users

Search

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page 1 - 3 of 3 items

The Actions column contains active icons for making adjustments to users of each publication. The legend above the table shows the meaning of each icon. For instance, if you click a red stop sign, it will revoke the user and they will show as Inactive (To Add new users or Deactivate/Delete users overall, go to the Users section)



Subscription Details – Licensee Users Only

Licensed Users

Search

ASSIGN USER LICENSE

✓ Assign user license
✗ Revoke user license
▢ Assign offline lease
▢ Revoke offline lease

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page 1 - 3 of 3 items

Hover your cursor over the icon to see a pop up of the action, click the icon to complete it.

Revoke User will make them inactive on the selected publication and they won't have access



Subscription Details – Licensee Users Only

Licensed Users

Search

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	InActive	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page 1 - 3 of 3 items

Once a user's license is revoked, you will see that their status has changed to InActive. To make them active once again, click on the green tick to Assign user, their publication access will resume



Subscription Details – Licensee Users Only

Licensed Users

Search

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	In Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page 1 - 3 of 3 items

Use the page icons to assign or revoke offline lease for a user of the selected publication. Assigning a lease means a license will be 'In Use' until it expires or is revoked. (You can learn more about offline later in this guide)
When you click assign, the following dialog will open to set up the lease



Subscription Details – Licensee Users Only

The screenshot shows the Rawlinsons Publishing software interface. On the left, there's a sidebar with links like Dashboard, Home, Browse Publications, My Publications, Subscription Details (which is selected and highlighted in green), Users, and Help. The main content area has two sections: 'Subscriptions' and 'Licensed Users'. The 'Subscriptions' section shows a table with columns SNO and Title, containing items like '2019 Bundle - Digital Rawlinsons Australia Handbook', '2020 Digital Rawlinsons Construction Handbook', and '2020 Digital Rawlinsons Construction Cost Guide'. The 'Licensed Users' section shows a table with columns SNO and Name, containing 'User Name', 'Named User', and 'Joe Bloggs'. A modal dialog box titled 'Assign offline lease' is open in the center. It has fields for 'Publication Category' (set to 'Construction Cost Guide'), 'Publication' (set to '2020 Digital Rawlinsons Construction Cost Guide'), 'Start Date' (set to '2020-05-25'), and 'No of days to lease 1 license offline' (set to '7'). The 'SUBMIT' button is highlighted with a yellow border. The URL in the browser is 'epub.rawlinhouse.com'.

When assigning an offline lease for one of your publications you can adjust the number of days for your needs. The dialog defaults to today's date and 7 days. Change this as you wish. Keep in mind that the license will then be 'In use' and only available to that user



Subscription Details – Licensee Users Only

Licensed Users

Search

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	InActive	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page

A message will flash up to say that the lease was assigned. You will see that the page icon is now red in the actions column to indicate that the user has an active lease



Subscription Details – Licensee Users Only

Licensed Users

Search

Please confirm if you want to revoke the offline lease of the selected user?

YES NO

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	InActive	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page

Click the red page icon to revoke the lease. You will be asked to confirm this action. You will also need to complete this action if you want to apply more time to a lease. Revoke it first, then assign again for more days



Subscription Details – Licensee Users Only

Licensed Users

Search

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	InActive	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

Once the lease is revoked the icon will show in black again. The license will be released for that publication and will be available to other users again



Subscription Details – Licensee Users Only

Licensed Users

Search

✓ Assign user license
✗ Revoke user license
▢ Assign offline lease
▢ Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	
2	Named User	named.user@email.com	No	0 Views	Active	
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	

1 items per page 1 - 3 of 3 items

The 'ASSIGN USER LICENSE' button is not generally needed as new users are automatically assigned access to the publications. However, if a user has been deactivated in the Users section and is then reactivated at a later date, they may need to be manually assigned access. Click this button to see a list of users to add any that have not been auto assigned. The dialog will open as shown below



Subscription Details – Licensee Users Only

The screenshot shows the Rawlinsons Publishing website interface. The left sidebar has a dark teal background with white text and icons. The main content area shows a list of publications under 'Subscriptions' and a list of 'Licensed Users'.

Subscriptions Table:

SNO	Title	Edition Year	Edition	Licensees	License in Use	Statistics	Order N...
6	2019 Bundle - Digital & Hardcopy Rawlinsons Australian Construction Handbook	2019				Views	N/A
7	2020 Digital Rawlinsons Australian Construction Handbook	2020				Views	N/A
8	2020 Digital Rawlinsons Construction Cost Guide	2020				Views	N/A

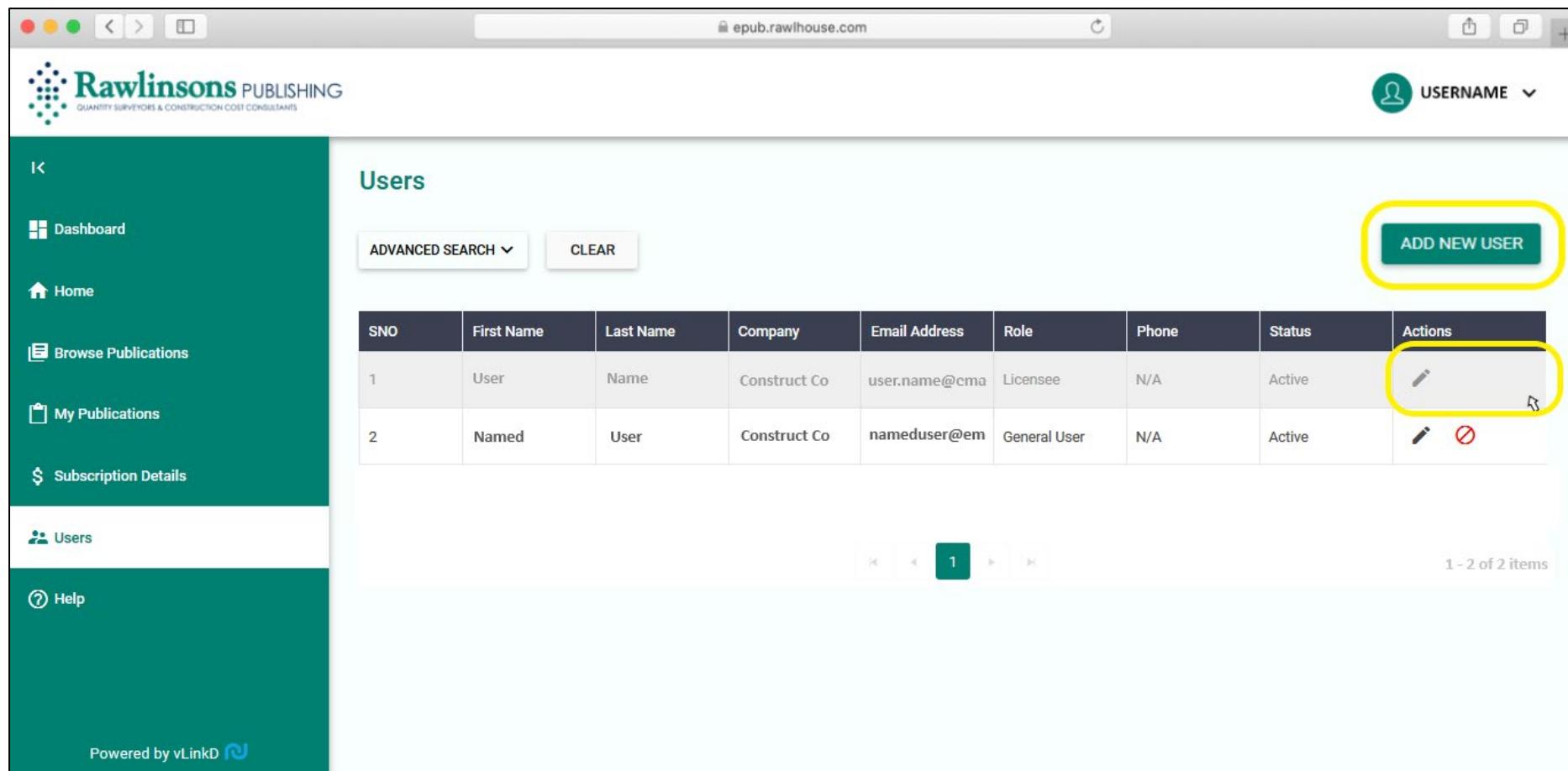
Licensed Users Table:

SNO	Name	Email
1	User Name	user@email.co
2	Named User	named.user@
3	Joe Bloggs	joe.b@email.

A modal dialog box titled 'Assign User License' is open over the table. It contains a dropdown menu labeled 'Select' with options: 'User Name', 'Named User', 'Joe Bloggs', and 'Any Other'. Below the dropdown is a radio button labeled 'Active *'. At the bottom of the dialog are 'SUBMIT' and 'CANCEL' buttons. The 'SUBMIT' button is highlighted with a yellow box.

Once the dialog opens, use the dropdown list to see all active users. If any are missing (such as 4th on the list here), select them and submit to assign their access and see them in the user list for that publication

 **Users – Licensee user only**



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME

Users

ADVANCED SEARCH ▾ CLEAR

SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	 
2	Named	User	Construct Co	nameduser@em	General User	N/A	Active	 

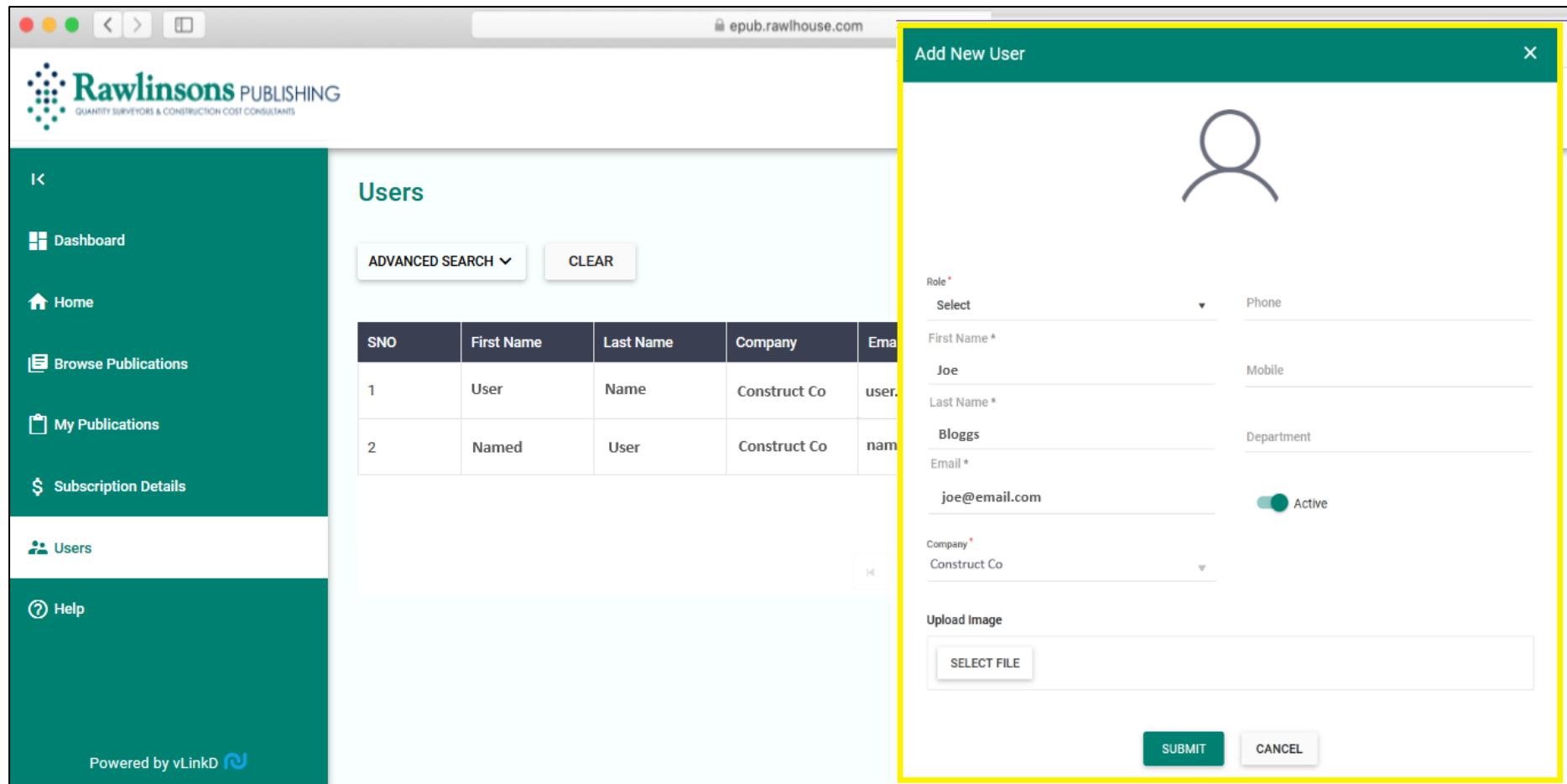
1 - 2 of 2 items

Powered by vLinkD 

This page lists all the users included under your Company name (or individual name). The person that made the initial purchase of a subscription is always a licensee user. To prevent any mistakes, a licensee user cannot deactivate themselves, so the actions column will not show a deactivate button (stop sign). Use 'ADD NEW USER' to input the contacts you will share your subscription access with



Users – Licensee user only



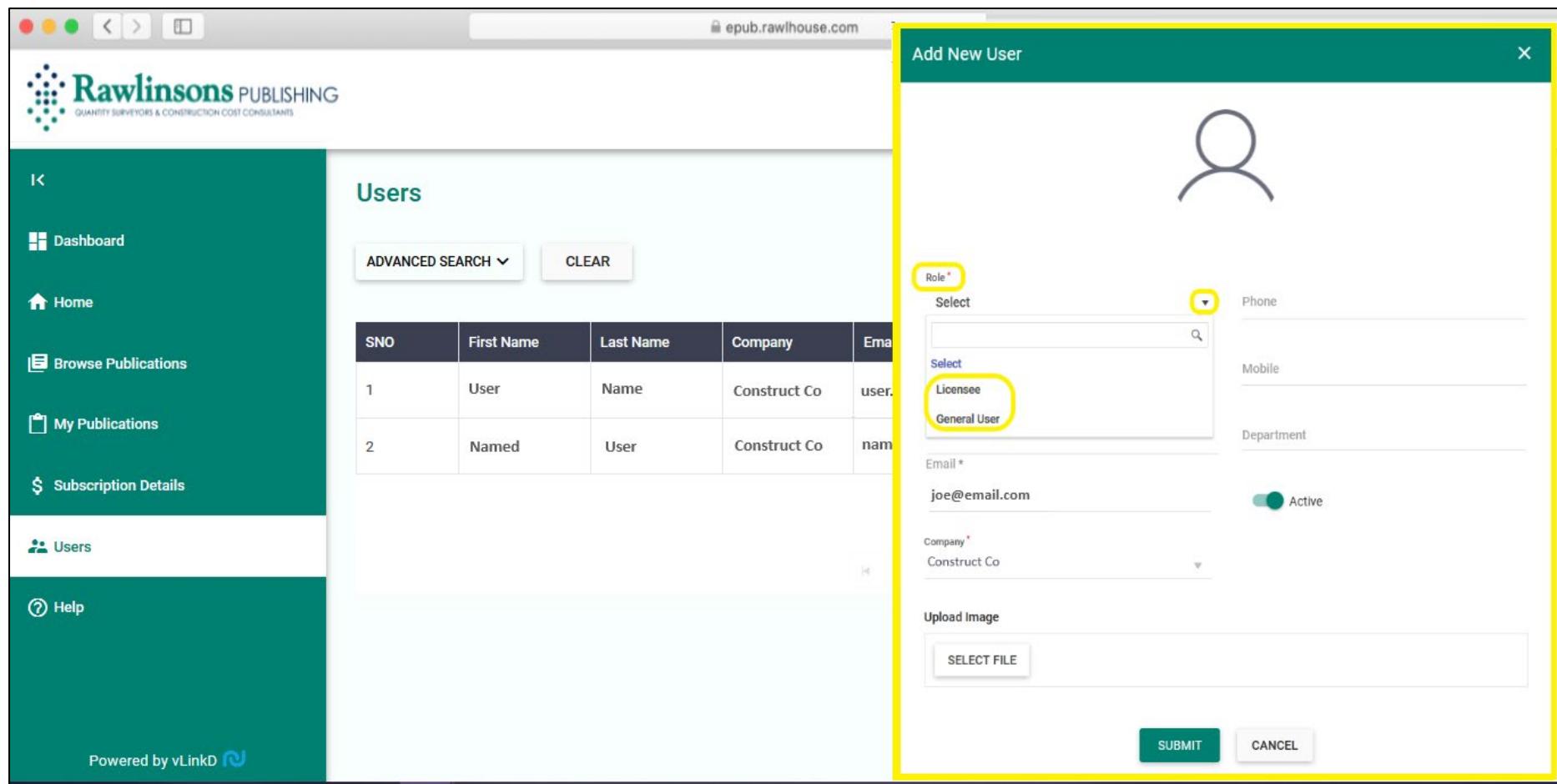
The screenshot shows a web application for Rawlinsons Publishing. The main menu on the left includes options like Dashboard, Home, Browse Publications, My Publications, Subscription Details, and Users. The 'Users' option is selected. The main content area displays a table of existing users with columns for SNO, First Name, Last Name, Company, and Email. A modal dialog box titled 'Add New User' is open on the right, overlaid on the user list. The dialog contains fields for Role (a dropdown menu), First Name (Joe), Last Name (Bloggs), Email (joe@email.com), and Company (Construct Co). It also includes a 'Mobile' field, a 'Department' field (which is empty), an 'Active' toggle switch (which is checked), and an 'Upload Image' section with a 'SELECT FILE' button. At the bottom of the dialog are 'SUBMIT' and 'CANCEL' buttons.

SNO	First Name	Last Name	Company	Email
1	User	Name	Construct Co	user.
2	Named	User	Construct Co	nam

The new user dialog includes compulsory and optional fields. Completing user Names, Email and Role sections will be enough to give automatic subscription access to that user. The company name will show automatically and cannot be changed.

Take Care when entering the email address of your user, this cannot be changed once it is submitted and a new record would be needed

Users – Licensee user only



The screenshot shows the 'Add New User' form overlaid on the 'Users' list page. The 'Role' dropdown is highlighted with a yellow box, showing 'Licensee' and 'General User' as options. The 'Licensee' option is selected and highlighted with a yellow box. The 'General User' option is also highlighted with a yellow box. The rest of the form fields are visible but not highlighted.

Users

SNO	First Name	Last Name	Company	Email
1	User	Name	Construct Co	user.
2	Named	User	Construct Co	nam

Add New User

Role *

Select

Licensee General User

Phone

Mobile

Department

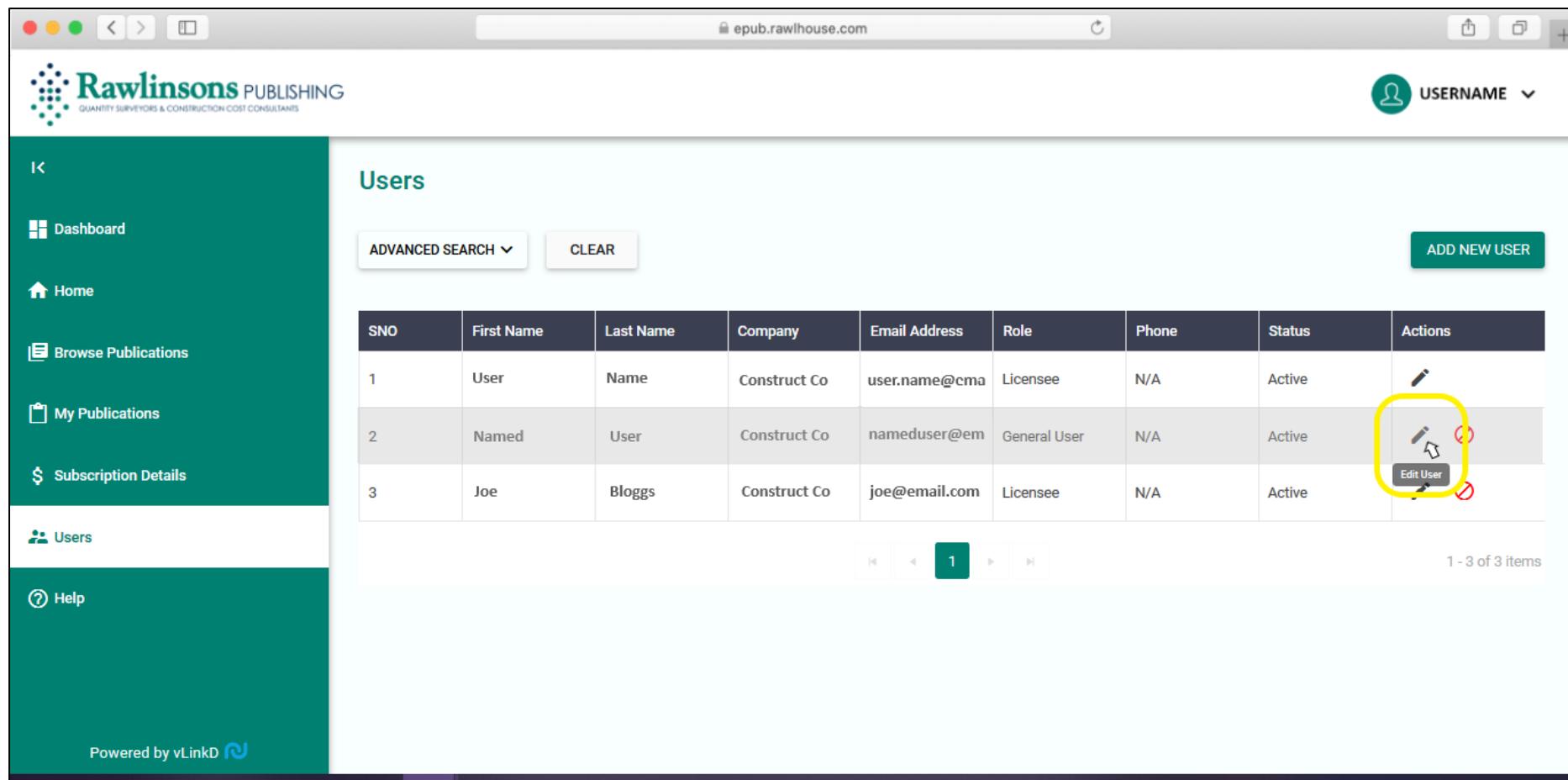
Email *

Active

Company *

Upload Image

Role is selected via a dropdown menu, the choices are Licensee or General user. General users will have access to the allotted publications via 'My Publications', they will not have access to the Users section or Subscription Details. Licensee users will have the same level of access as the initial license purchaser and will be able to view/amend Users and subscription details. It is a good idea to have at least 2 licensees if you will be adding many users to share access. That way there is always a licensee available to assist/add colleagues

 **Users – Licensee user only**

Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME

Users

ADVANCED SEARCH ▾ CLEAR ADD NEW USER

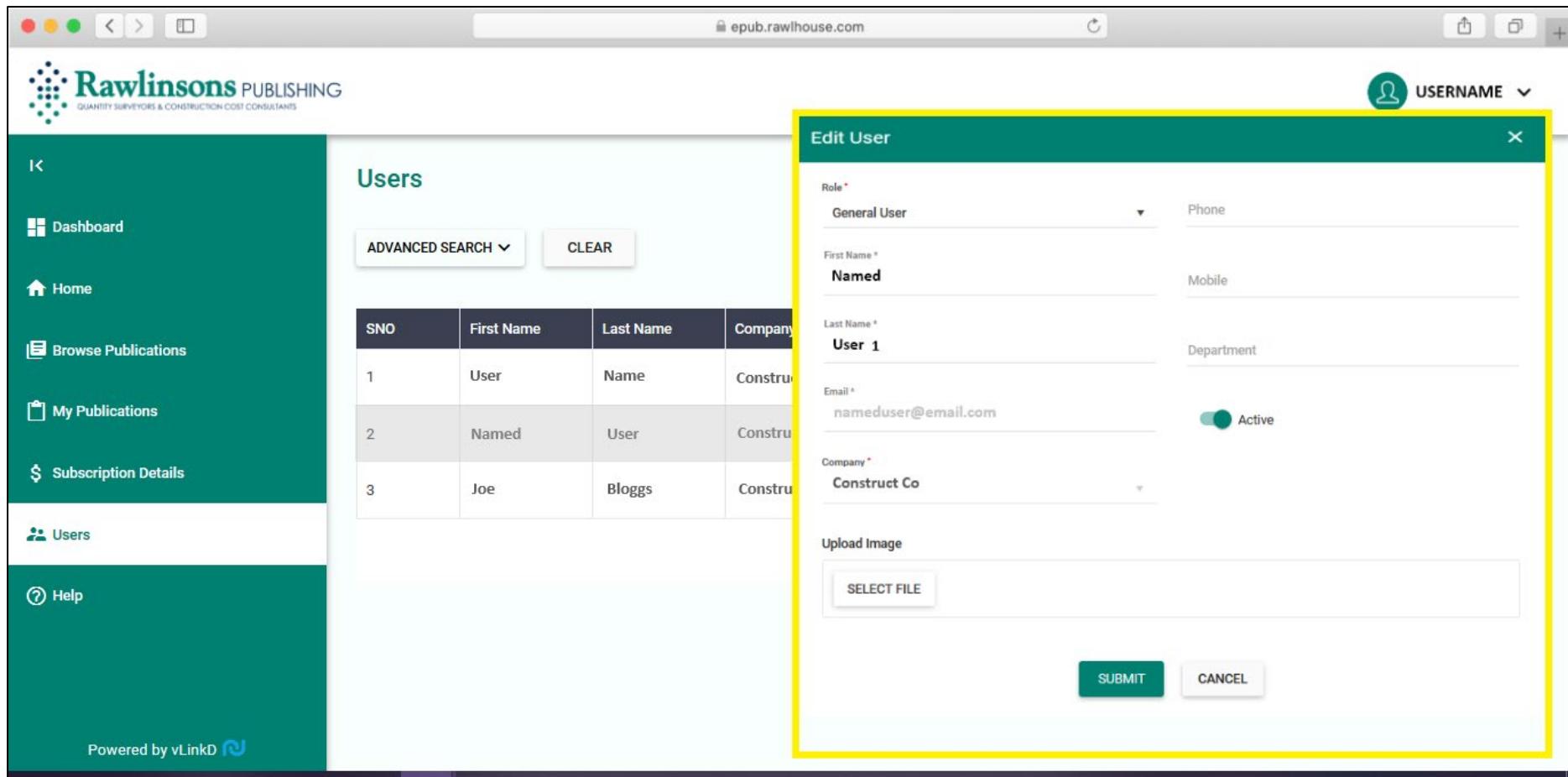
SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	  
2	Named	User	Construct Co	nameduser@em	General User	N/A	Active	 
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	Active	 

1 - 3 of 3 items

Powered by vLinkD 

Once you have submitted the new user, you will see them appear in the users list. At this point they will be automatically assigned access to all of your active subscriptions. The system will send them the 'Welcome' email with their individual login details. If you wish to limit the publications that a user can access, go to 'Subscription Details' and amend the access on an individual publication basis. You can edit the basic details for each user by clicking the 'pen' icon in the actions column

 **Users – Licensee user only**



The screenshot shows a web-based application for managing users. On the left, a sidebar menu includes 'Dashboard', 'Home', 'Browse Publications', 'My Publications', 'Subscription Details', 'Users' (which is the active page, indicated by a green background), and 'Help'. The main content area is titled 'Users' and displays a table with three rows of data:

SNO	First Name	Last Name	Company
1	User	Name	Construct
2	Named	User	Construct
3	Joe	Bloggs	Construct

On the right, a modal window titled 'Edit User' is open, showing the details for the user with SNO 2. The user is named 'Named' with 'User 1' as the last name. The company is listed as 'Construct Co'. The email address is 'nameduser@email.com' and the status is 'Active'. There is a 'SELECT FILE' button for uploading an image, and 'SUBMIT' and 'CANCEL' buttons at the bottom.

You can change details such as Role and name, or add further information to the record. You cannot amend an email address once it has been entered as this forms the basis of login and access records. If you have entered it incorrectly, make the initial record inactive (info to follow) and create a new user with the correct email



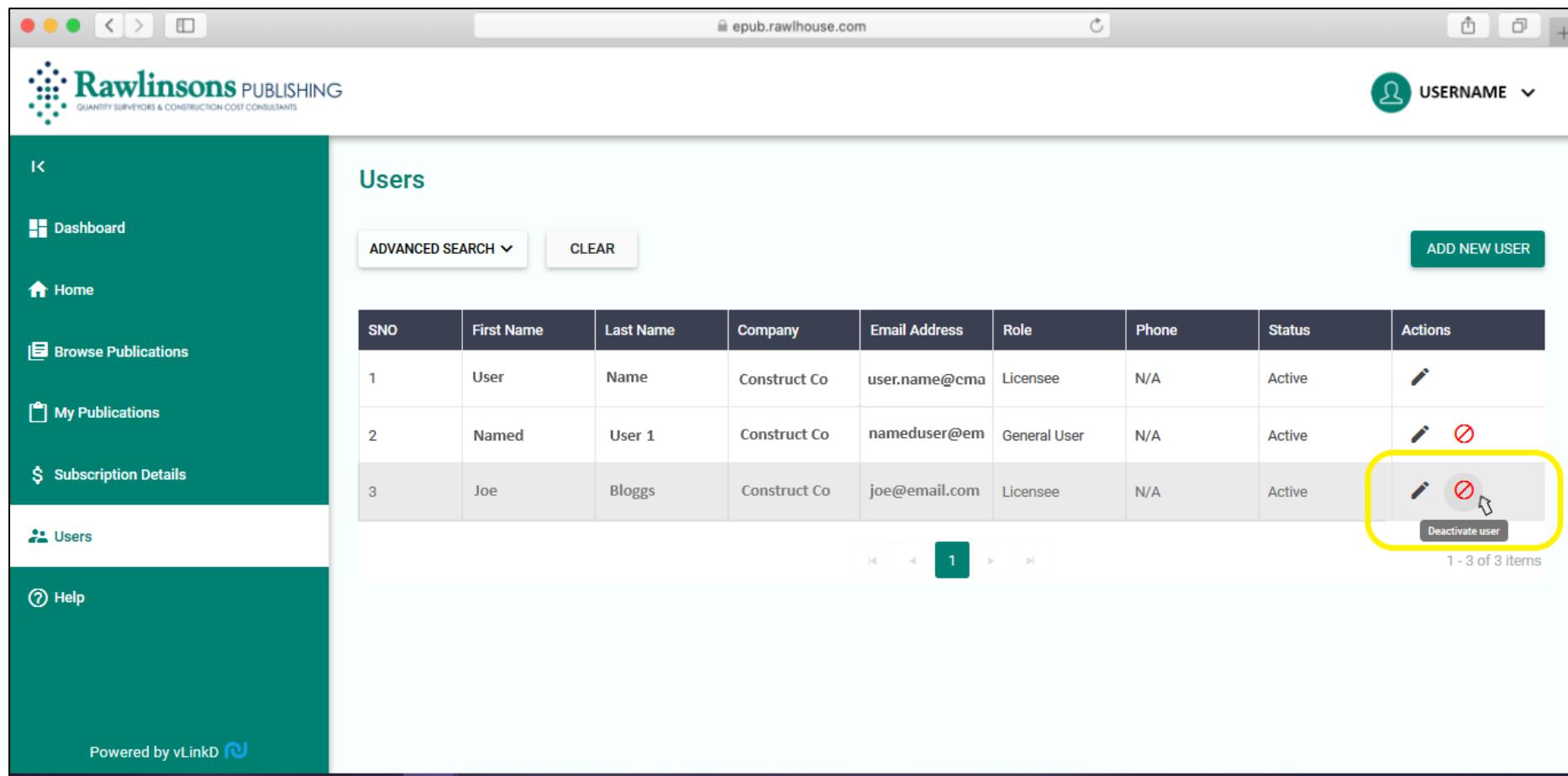
The screenshot shows a web-based application for managing users. The header includes the Rawlinsons Publishing logo, a user dropdown, and a URL bar showing `epub.rawlhouse.com`. The left sidebar has a teal background with links: Dashboard, Home, Browse Publications, My Publications, Subscription Details, Users (which is selected and highlighted in teal), and Help. The main content area is titled "Users" and contains a table of user data. The table has columns: SNO, First Name, Last Name, Company, Email Address, Role, Phone, Status, and Actions. There are three users listed:

SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	
2	Named	User 1	Construct Co	nameduser@em	General User	N/A	Active	
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	Active	

Below the table are navigation arrows and a page number indicator (1). A green success message box in the bottom right corner says "User successfully updated." with a checkmark icon. The footer of the page says "Powered by vLinkD" with a logo.

Your submitted changes will be confirmed by a success message

 **Users – Licensee user only**



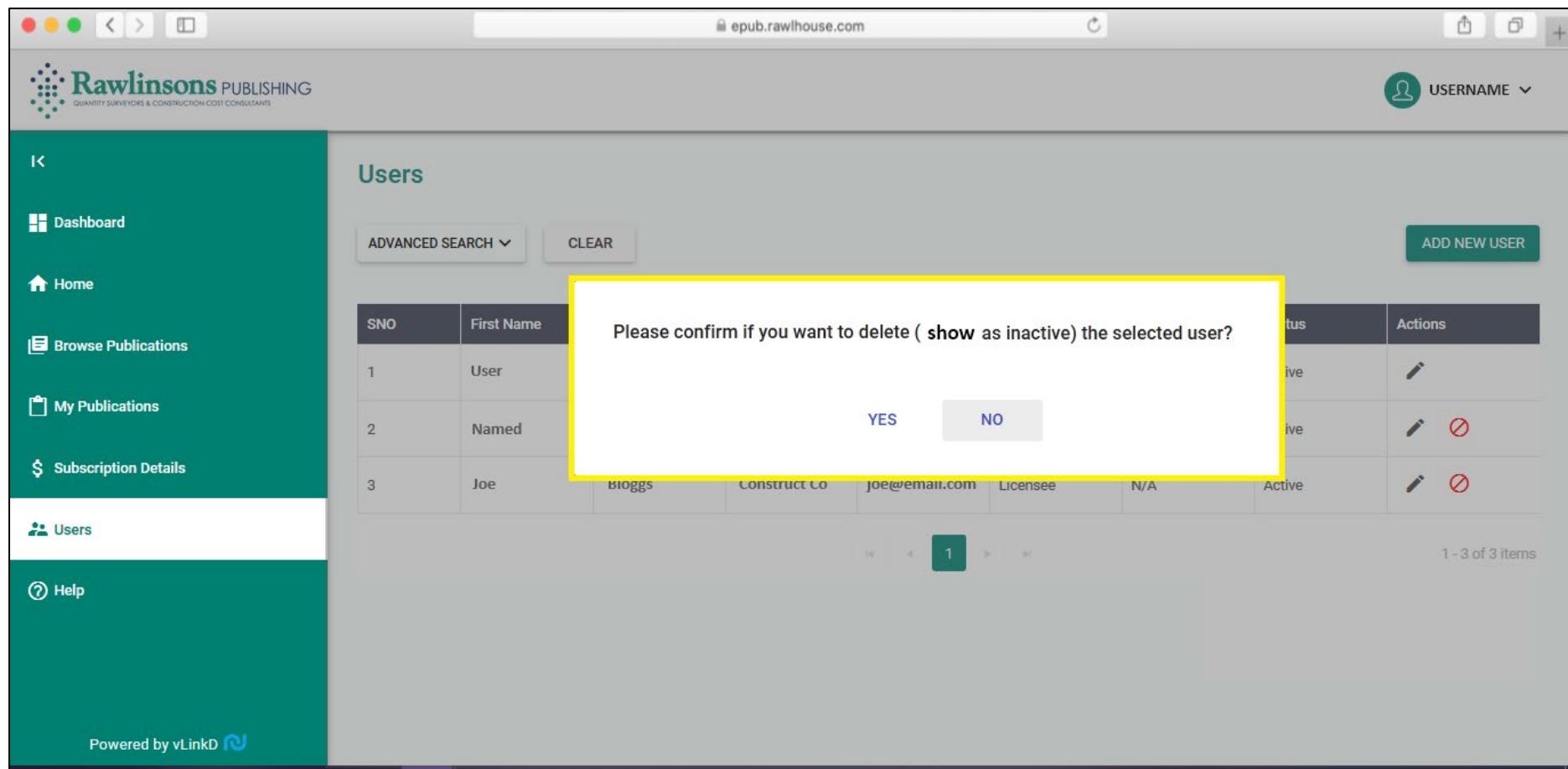
The screenshot shows the 'Users' page of the Rawlinsons Publishing software. The left sidebar includes links for Dashboard, Home, Browse Publications, My Publications, Subscription Details, Users (which is selected and highlighted in green), and Help. The main content area is titled 'Users' and contains a table with the following data:

SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	
2	Named	User 1	Construct Co	nameduser@em	General User	N/A	Active	 
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	Active	   Deactivate user

At the bottom of the table, it says '1 - 3 of 3 items'. The 'Deactivate user' button for the third user is highlighted with a yellow box.

Use the deactivate icon (stop sign) to halt a user's access to all publications and prevent them from being added to any further publications

 **Users – Licensee user only**

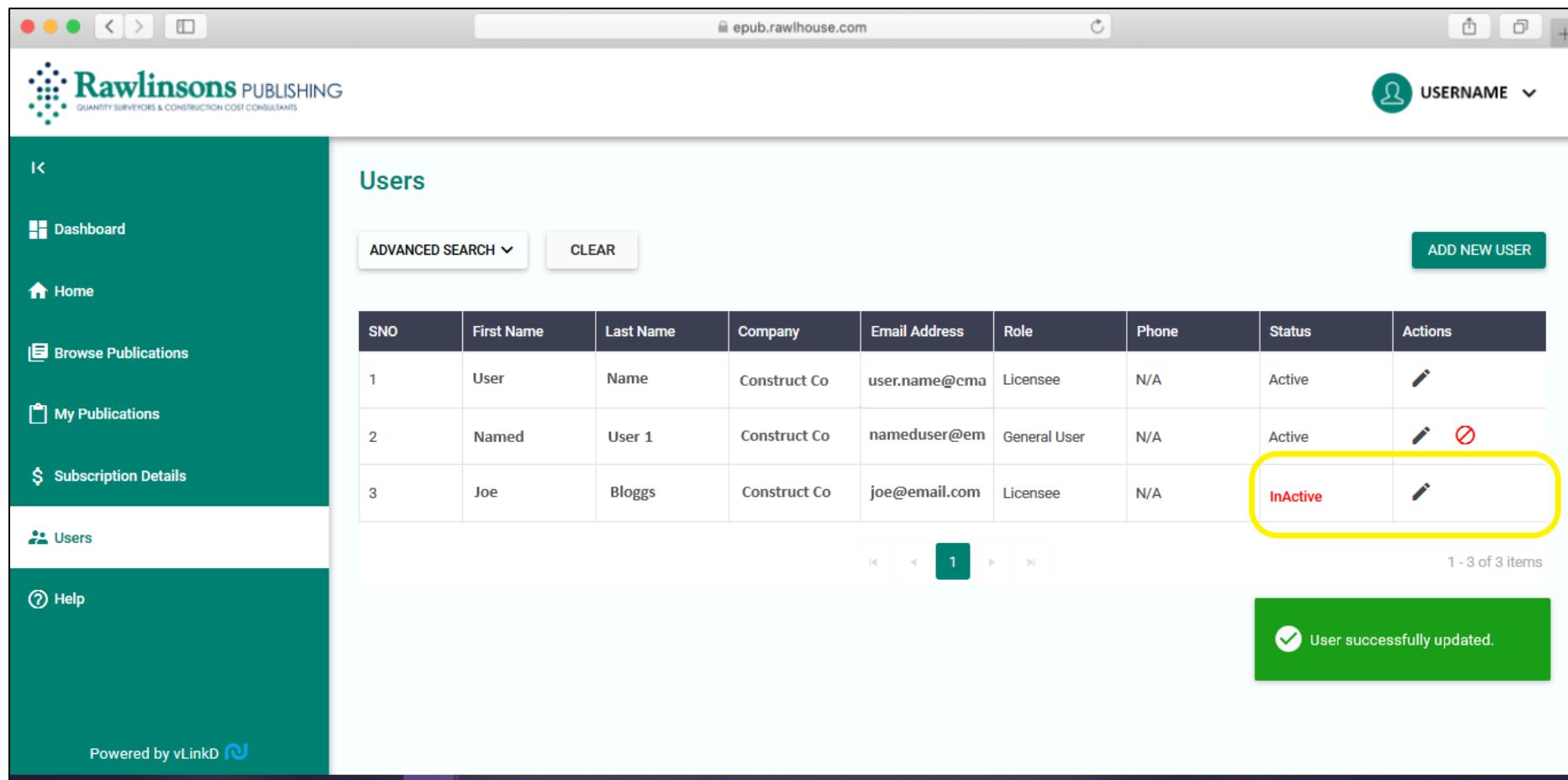


The screenshot shows a web browser window for epub.rawlhouse.com. The page is titled 'Users' and displays a list of users. A confirmation dialog box is overlaid on the page, asking 'Please confirm if you want to delete (show as inactive) the selected user?'. The dialog has 'YES' and 'NO' buttons. The user list table has columns for SNO, First Name, Status, and Actions. The first user listed is 'User' (SNO 1). The second user listed is 'Named' (SNO 2). The third user listed is 'Joe' (SNO 3). The 'Actions' column for user 'Named' shows edit and delete icons. The 'Actions' column for user 'Joe' also shows edit and delete icons. The status for user 'Named' is 'Active'. The status for user 'Joe' is 'N/A'. The status for user 'User' is 'Active'. The bottom of the page shows a page number '1' and a message '1 - 3 of 3 items'.

SNO	First Name	Status	Actions
1	User	Active	 
2	Named	Active	 
3	Joe	N/A	 

Confirm that you wish to deactivate the user. Their record will stay in place but they will have no access to current subscriptions

 Users – Licensee user only



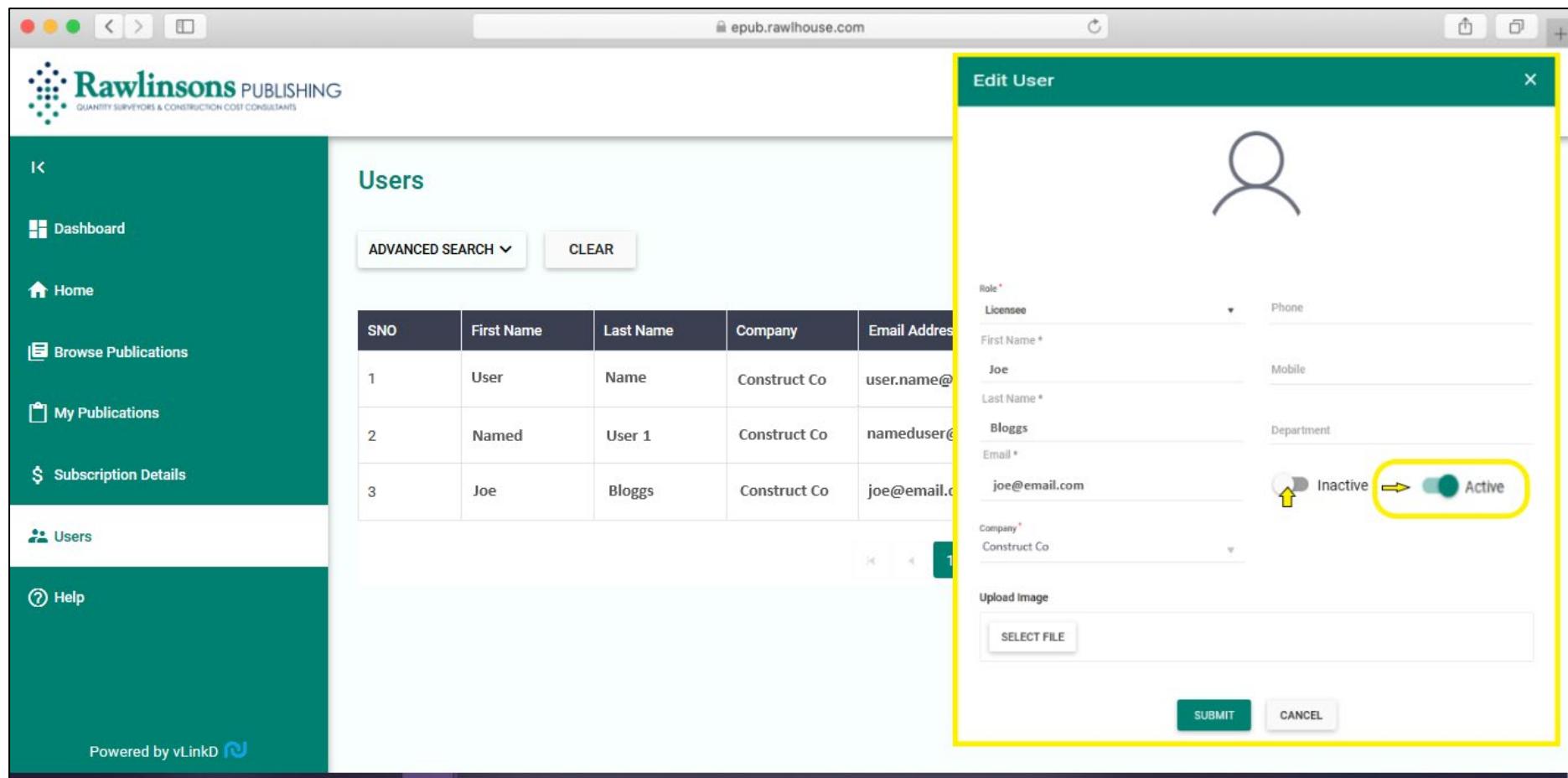
The screenshot shows the 'Users' page of the Rawlinsons Publishing software. The page title is 'Users'. On the left, there is a sidebar with links: 'Dashboard', 'Home', 'Browse Publications', 'My Publications', 'Subscription Details', 'Users' (which is the current page), and 'Help'. The main content area has a table of users with the following data:

SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	
2	Named	User 1	Construct Co	nameduser@em	General User	N/A	Active	 
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	InActive	

At the bottom right of the table area, there is a green button with a checkmark that says 'User successfully updated.'.

The User will then show as InActive. You can re-activate their access at a later date if you need to

 **Users – Licensee user only**



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

Users

ADVANCED SEARCH ▾ CLEAR

SNO	First Name	Last Name	Company	Email Address
1	User	Name	Construct Co	user.name@email.com
2	Named	User 1	Construct Co	nameduser@email.com
3	Joe	Bloggs	Construct Co	joe@email.com

Edit User

Role*
Licensee

First Name*
Joe

Last Name*
Bloggs

Phone
Mobile

Department

Email*
joe@email.com

Company*
Construct Co

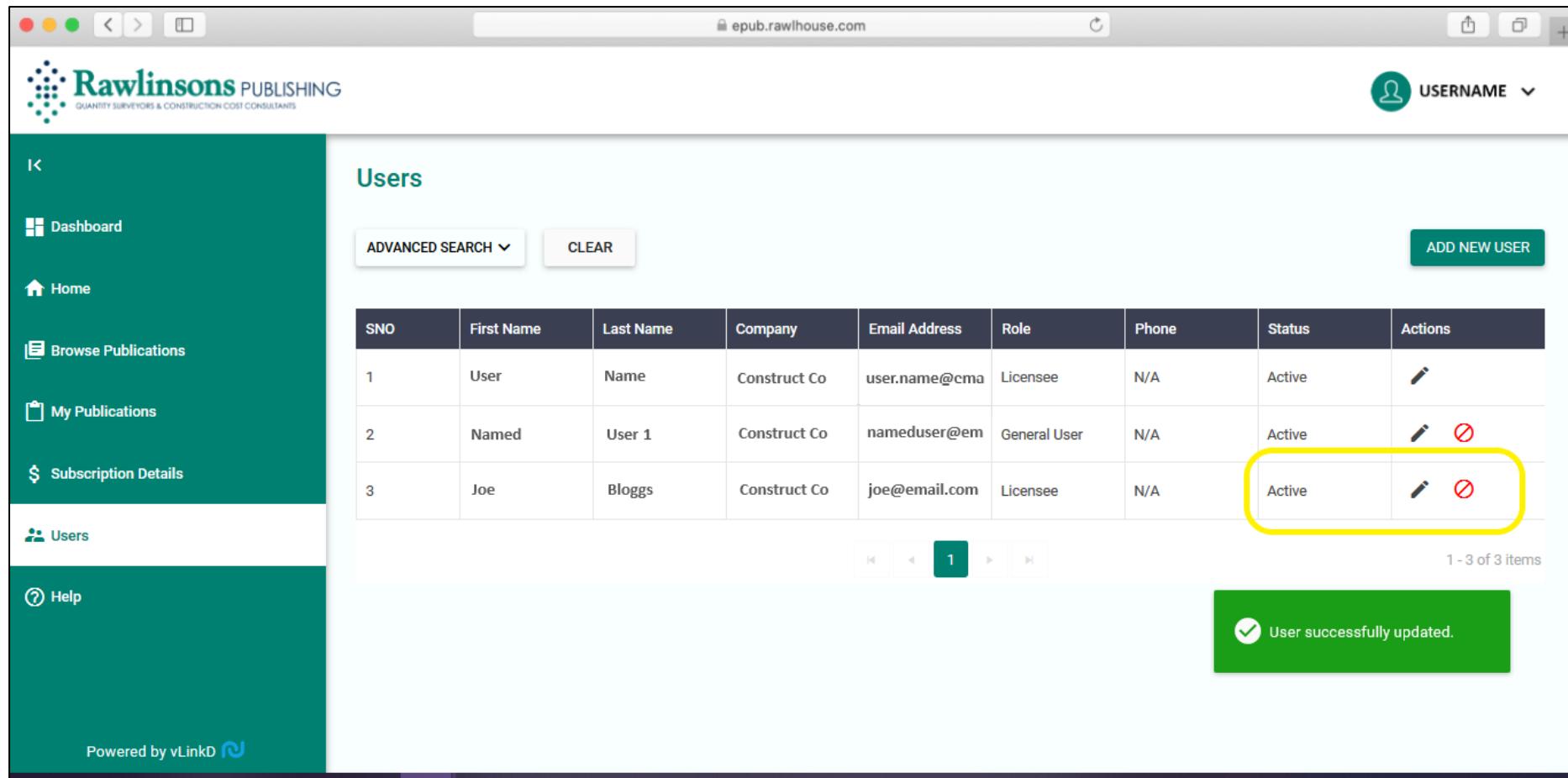
Upload Image
SELECT FILE

Inactive Active

SUBMIT **CANCEL**

To re-activate an inactive user, click the edit (pen) icon. The dialog box includes a slide switch which will display in grey when inactive. Slide it to the right to bring them back to Active

 **Users – Licensee user only**



Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

USERNAME

Dashboard

Home

Browse Publications

My Publications

Subscription Details

Users

Help

Powered by vLinkD 

epub.rawlhouse.com

Users

ADVANCED SEARCH ▾

CLEAR

ADD NEW USER

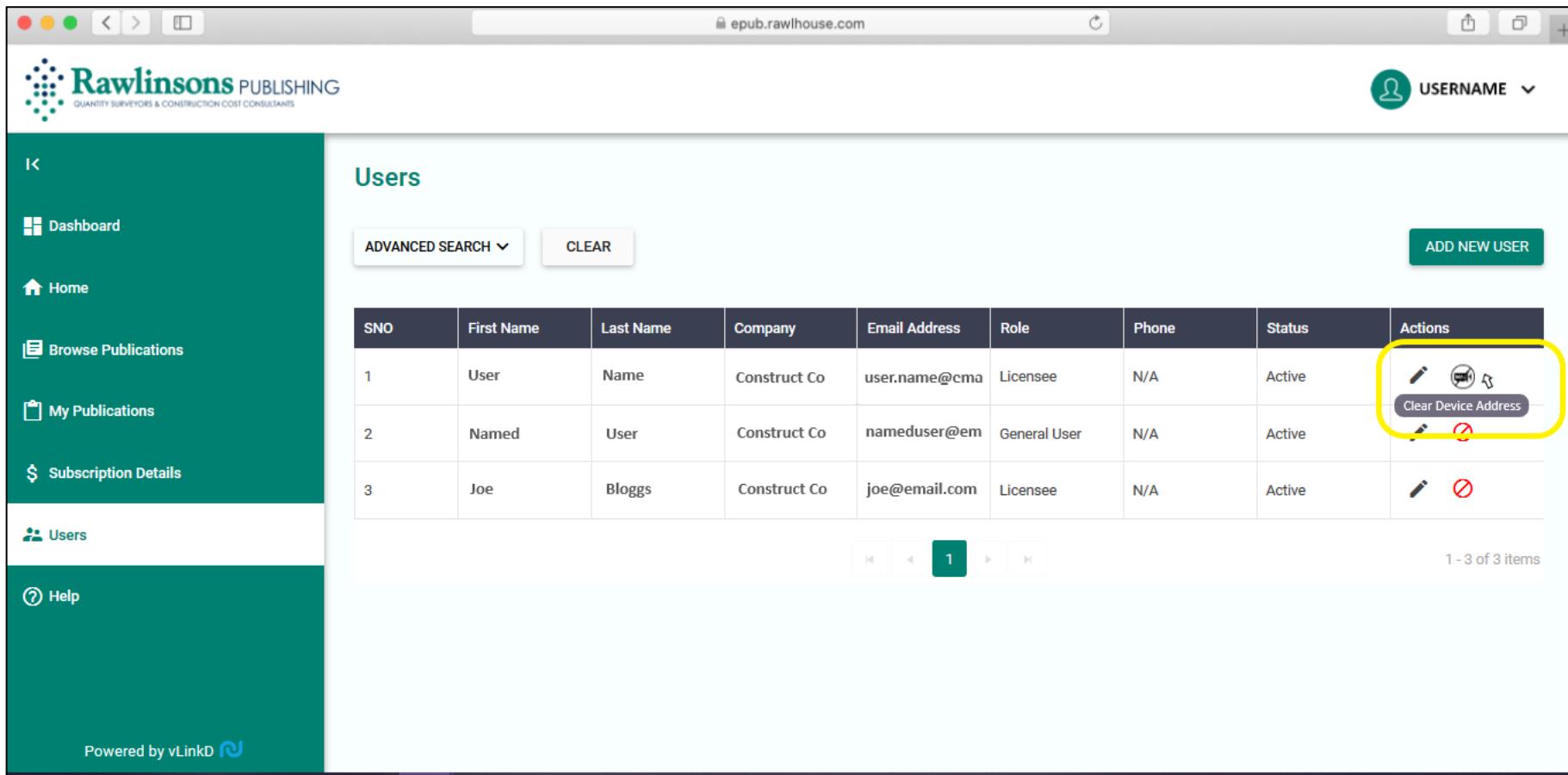
SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	 
2	Named	User 1	Construct Co	nameduser@em	General User	N/A	Active	 
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	Active	 

1 - 3 of 3 items

 User successfully updated.

The user will now be back to Active status and can again access current publications

Device address



The screenshot shows the 'Users' section of the Rawlinsons Publishing website. The left sidebar includes links for Dashboard, Home, Browse Publications, My Publications, Subscription Details, Users (which is selected and highlighted in teal), and Help. The main content area displays a table of users with columns for SNO, First Name, Last Name, Company, Email Address, Role, Phone, Status, and Actions. The 'Actions' column for user 'User' (SNO 1) contains icons for edit, device (highlighted with a yellow box), and delete. A sub-menu for the device icon shows 'Clear Device Address'. The table data is as follows:

SNO	First Name	Last Name	Company	Email Address	Role	Phone	Status	Actions
1	User	Name	Construct Co	user.name@cma	Licensee	N/A	Active	   Clear Device Address
2	Named	User	Construct Co	nameduser@em	General User	N/A	Active	  
3	Joe	Bloggs	Construct Co	joe@email.com	Licensee	N/A	Active	 

1 - 3 of 3 items

When a user has accessed the publication via offline lease you will see a 'device' icon in the actions column. If their next access is via a different computer an error message will display stating 'Device Mismatch'. This is to prevent users from having the publication open on more than one device.

To Clear the Device address, come to the Users section and click on the icon. The user is then free to open up on the current device



Offline Lease – Desktop access

Offline access is provided through version 3.0 of our viewing software. Once downloaded and installed, the app is accessed via a desktop shortcut which opens up for login once a lease has been assigned to you from within the online portal. All of the same copyright restrictions apply, so printing and copying are not permitted. Access to your license offline is provided on a lease basis. The length of the lease is up to you, or your licensee if you have shared use.

An offline lease acts as one use of your current licenses and may be revoked by the licensee if another user needs to login. It is recommended that you have a pool of 2 or more licenses for shared use, if you feel that there will be regular offline leasing.

Online connectivity is required initially so that your current leases can sync with the viewer. Once they are updated you can access publications offline via the desktop app for the assigned number of days.

Step by Step

-  Visit the [EPub portal](#) and login with the details provided to you initially
-  Download version 3.0 viewer software (if you haven't already). This will load Rawlinsons offline viewer app onto your system. An Icon will appear on your desktop / dock / app folder
-  Remaining in the online portal, go to 'My Publications', those available to view offline will be indicated
-  If no publications show as 'Available Offline', contact your licensee for a lease. If you are a licensee, visit 'Subscription Details' to assign a lease to any User. Use the buttons in the 'Actions' column for listed users of each publication. The default number of days for lease is 7 but this can be adjusted to suit your needs
-  Launch the app via the desktop / dock / app folder icon and login with the same credentials as used for the online portal, tick the box to sync publications. (Web connection needed initially)
-  Available publications will be listed within the app via the publication year dropdown and can be accessed for offline viewing for the assigned number of days or until revoked by a licensee



Offline Lease – Desktop access

The screenshot shows the 'Subscriptions' and 'Licensed Users' sections of the Rawlinsons Publishing software. The 'Subscriptions' section displays a table of publications with columns for SNO, Title, Edition Year, Edition, Licensees, License in Use, Statistics, and Order N... The row for '2020 Digital Rawlinsons Construction Cost Guide' is highlighted with a yellow box. The 'Licensed Users' section displays a table of users with columns for SNO, Name, Email, Viewing Publication, Statistics, Status, and Actions. The table is highlighted with a yellow box. A dropdown menu in the 'Actions' column of the 'Licensed Users' table shows options: Assign user license (checked), Revoke user license, Assign offline lease, and Revoke offline lease. A green 'ASSIGN USER LICENSE' button is visible. Navigation buttons for the tables are shown at the bottom.

SNO	Title	Edition Year	Edition	Licensees	License in Use	Statistics	Order N...
6	2019 Bundle - Digital & Hardcopy Rawlinsons Australian Construction Handbook	2019	37	1	0	1 Views	N/A
7	2020 Digital Rawlinsons Australian Construction Handbook	2020	38	1	0	6 Views	N/A
8	2020 Digital Rawlinsons Construction Cost Guide	2020	28	1	0	0 Views	N/A

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	0 Views	Active	<input type="checkbox"/> <input type="checkbox"/>
2	Named User	named.user@email.com	No	0 Views	Active	<input type="checkbox"/> <input type="checkbox"/>
3	Joe Bloggs	joe.b@email.com	No	0 Views	Active	<input type="checkbox"/> <input type="checkbox"/>

To assign an offline lease, go to 'Subscription Details' (licensee users only). Click on a title line so that it becomes defined in grey, the list of users for that publication is then displayed in the lower section of the page.
If you have a large list of users you can expand it out via the dropdown arrow.



Licensed Users

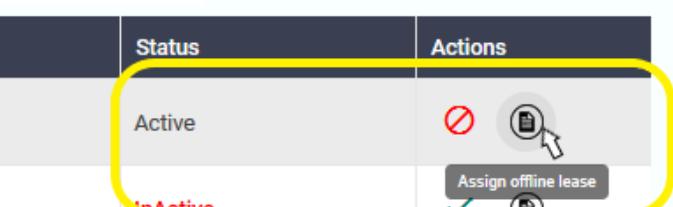
Search 

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	 0 Views	Active	 
2	Named User	named.user@email.com	No	 0 Views	In Active	 
3	Joe Bloggs	joe.b@email.com	No	 0 Views	Active	 

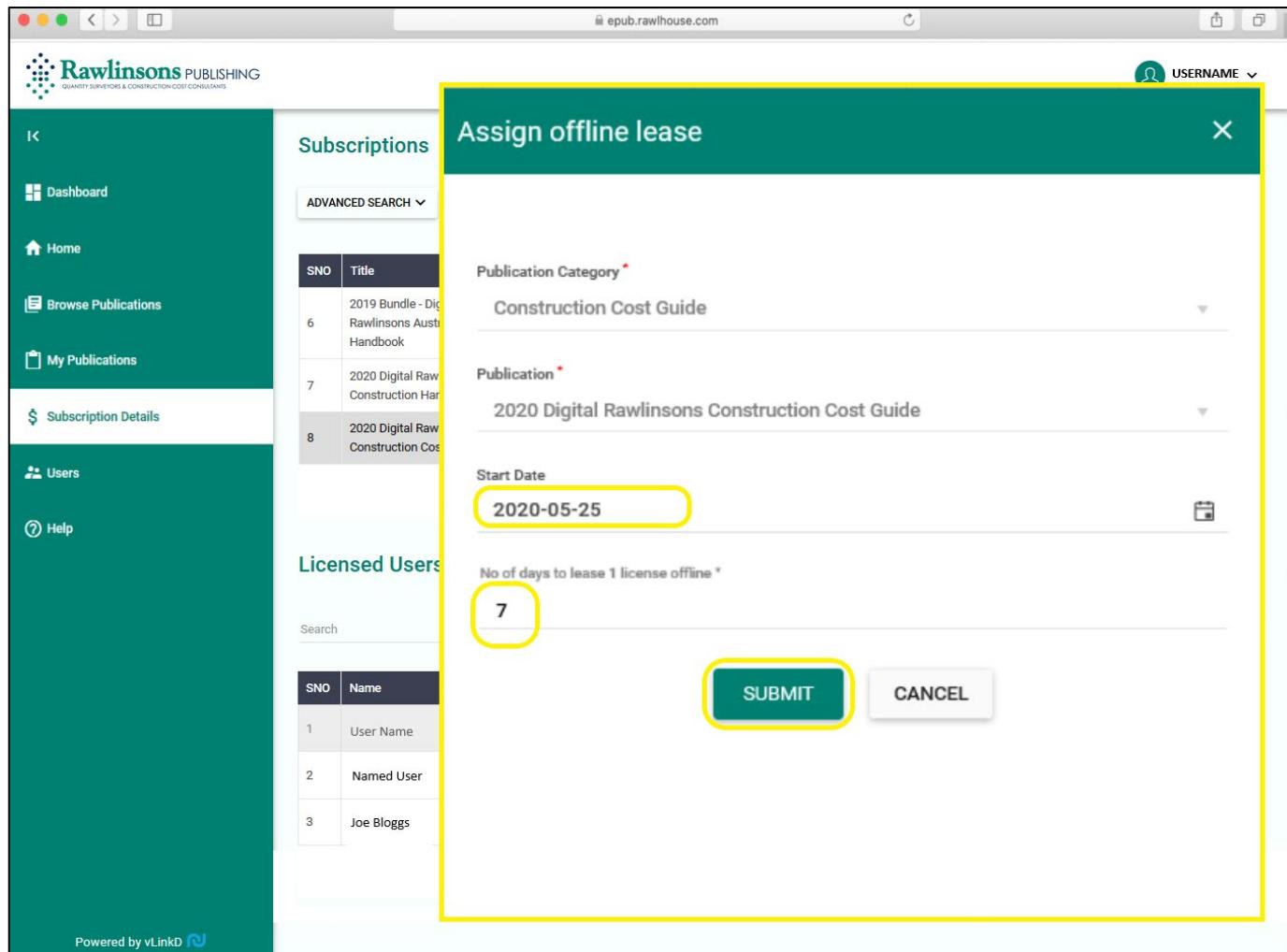
1 items per page  1 - 3 of 3 items



Use the 'page' icon in the Actions column to assign or revoke an offline lease as shown. When you click assign, the following dialog will open to set up the lease. Assigning a lease means a license will be 'In Use' until it expires or is revoked



Offline Lease – Desktop access



When assigning an offline lease for one of your publications you can adjust the number of days for your needs. The dialog defaults to today's date and 7 days. Change this as you wish. Keep in mind that the license will then be 'In use' and only available to that user



Licensed Users

Search 

Assign user license
 Revoke user license
 Assign offline lease
 Revoke offline lease

ASSIGN USER LICENSE

SNO	Name	Email	Viewing Publication	Statistics	Status	Actions
1	User Name	user@email.com	No	 0 Views	Active	 
2	Named User	named.user@email.com	No	 0 Views	InActive	 
3	Joe Bloggs	joe.b@email.com	No	 0 Views	Active	 

1 items per page 

A message will flash up to say that the lease was assigned. You will see that the page icon is now red in the actions column to indicate that the user has an active lease. When you need to revoke the lease ahead of time, click this red icon. You can re-assign if you need to extend the number of days for that user.



Offline Lease – Desktop access

Rawlinsons PUBLISHING
QUANTITY SURVEYORS & CONSTRUCTION COST CONSULTANTS

Dashboard

Home

Browse Publications

My Publications

Subscription Details

Users

Help

2020

Your subscription licensee(s): user@email.com

2020 | Trial

ACCESS NOW

2020 Digital Rawlinsons Australian Construction Handbook

ACCESS NOW

AVAILABLE OFFLINE
Please launch offline app via your desktop to view

2020 Digital Rawlinsons Construction Cost Guide April...

ACCESS NOW

2020 Digital Rawlinsons Australian Construction Handbook April Update

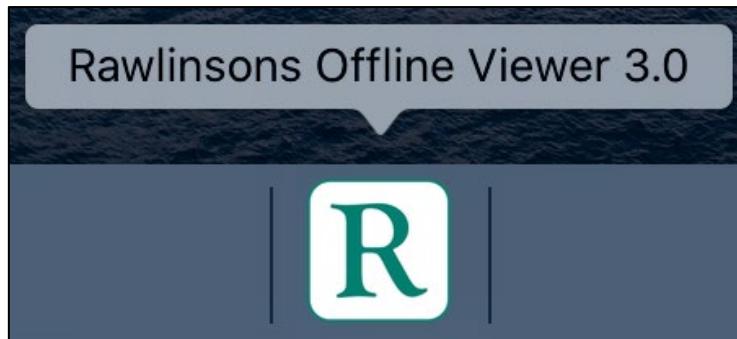
ACCESS NOW

Once a lease has been assigned you will see that the publication is marked as 'Available Offline' within your publications. You can then exit the web portal and launch the publications via the desktop "offline viewer" app.

If you are not a licensee user you will need to request a lease from the licensee, contact details are shown above your publications



Offline Lease – Desktop access

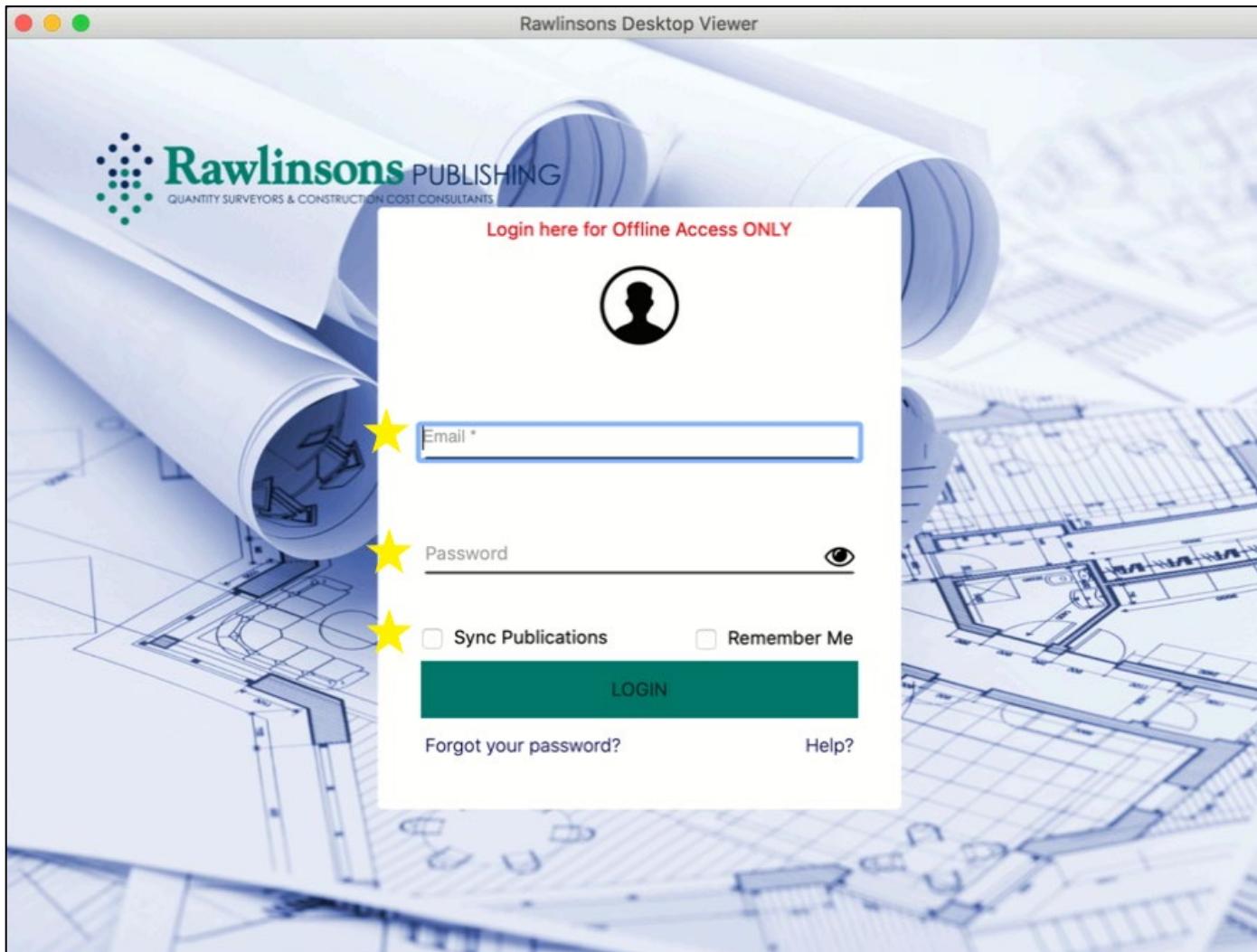


Launch the offline app via your desktop/dock or via your applications folder. The image below will display as the app launches





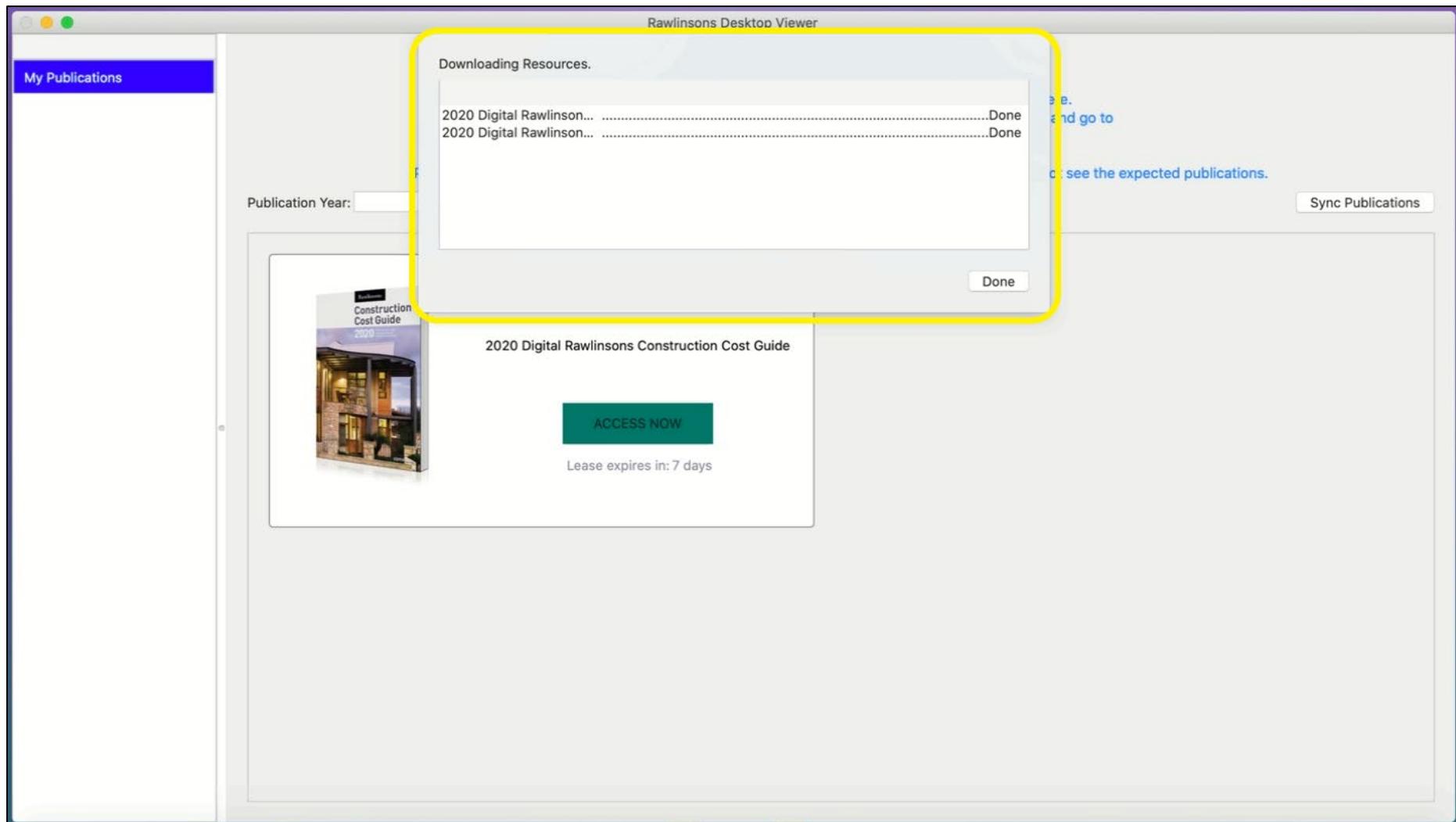
Offline Lease – Desktop access



Use the same login credentials as in the web portal. 'Tick' to sync publications and update available leases whilst still online



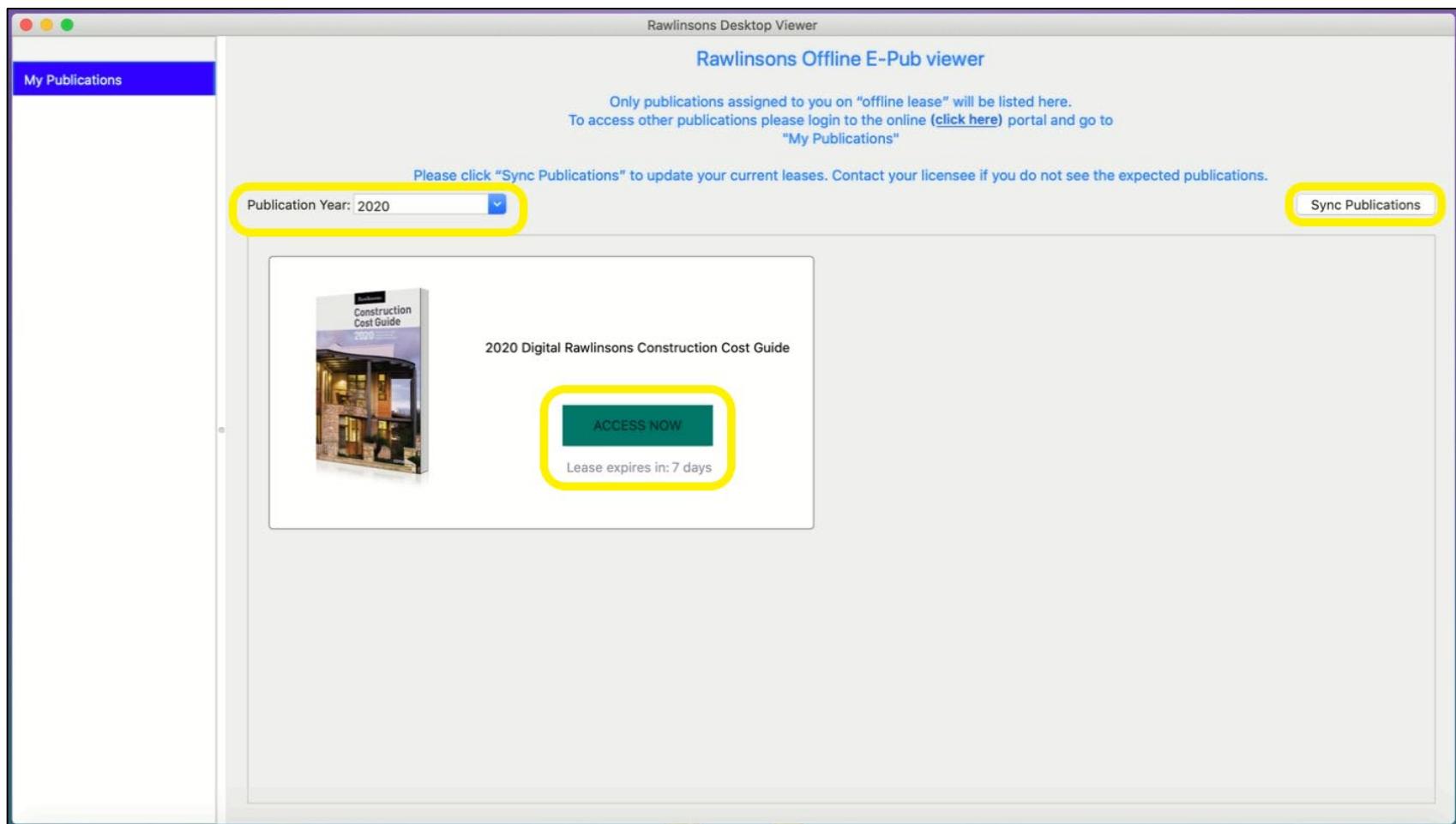
Offline Lease – Desktop access



The app will open and show the publication files downloading. Click 'Done' once they are finished



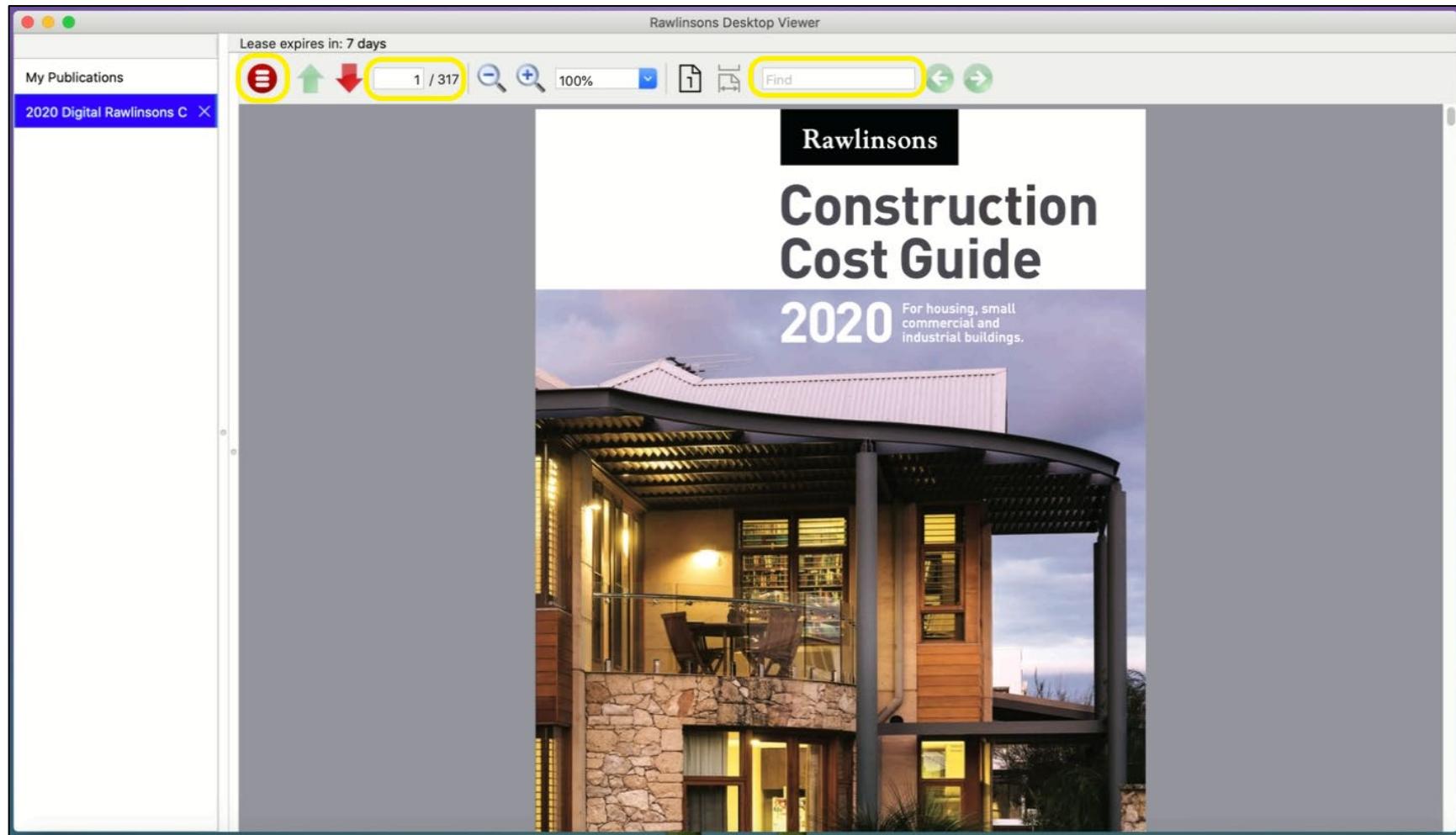
Offline Lease – Desktop access



On the homepage you will see the publications available to you and the number of days before the lease expires. If you have access to past years, use the dropdown menu to see them. You can sync publication from this page if you didn't log in, or if a new lease is assigned while you are in the app. Click 'Access Now' to launch the publication



Offline Lease – Desktop access

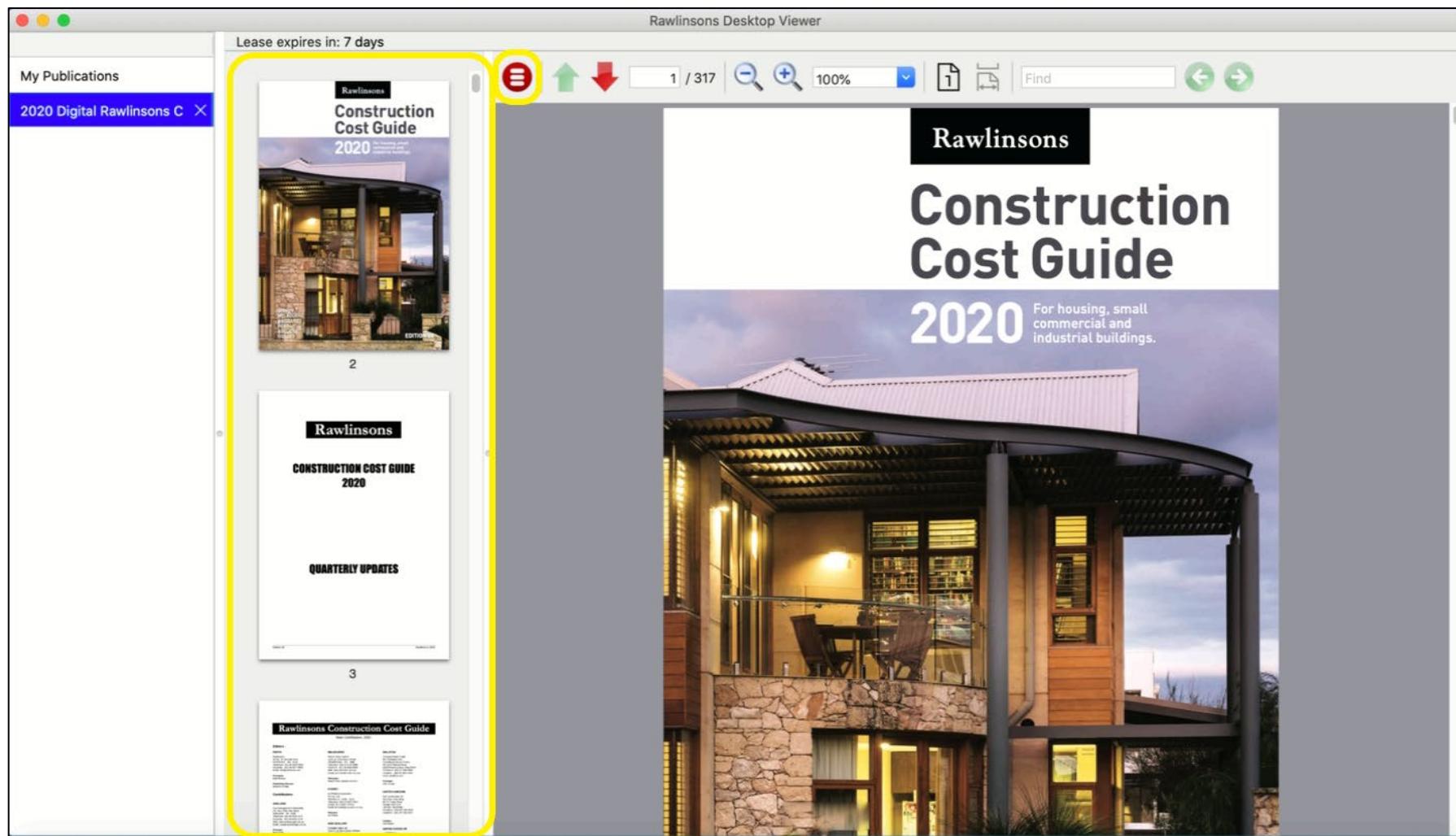


The publication will open up as shown, it defaults to simple page view. Click the red menu icon  for thumbnails.

Search via the 'find' field at the top



Offline Lease – Desktop access



Thumbnail images can be used for fast scrolling and page selection



Rawlinsons Desktop Viewer

My Publications

2020 Digital Rawlinsons C X

Lease expires in: 3 days

7 / 317 100% Find

Edition 38 Rawlinsons

Australian Construction Handbook

Australia's largest library of construction cost information for medium and large scale projects. Providing construction professionals with all-inclusive cost references across all sections of the industry and trades.

Available from 1st Edition 1970 to the latest handbook version.

Rawlinsons.com.au

6

CONTENTS

ADVERTISERS' INDEX 9

INTRODUCTION 11

ESTIMATING

• BUILDING COSTS PER SQUARE METRE 29-39

• ELEMENTAL COSTS OF BUILDINGS 41-52

• COMPARATIVE COSTS 53-75

CONTENTS

• Brickwork and Blockwork 130-139

• Masonry 140-142

• Structural Steelwork 143-145

• Metalwork 146-155

• Carpentry 156-177

• Joinery 178-183

• Windows and Doors 184-193

• Hardware and Door Sundries 194-196

• Roofing and Roof Plumbing 197-207

• Partitions 208

• Plastering 209-212

• Suspended Ceilings 213

• Pavior and Terrazzo 214-215

• Tiling, Non-Resilient 216-217

• Resilient Finishes 218-221

• Glazing 222-224

• Painting 225-228

• Sanitary Plumbing 229-242

• Drainage 243-248

• Electrical Services 249-262

• Mechanical Services 263-266

• Transportation Systems 267

• Miscellaneous 268-271

• Wage Rates 272

• Plant Hire Rates 273-275

RENOVATIONS 277-281

LABOUR CONSTANTS 283-292

MEASUREMENT OF BUILDING AREAS 293-294

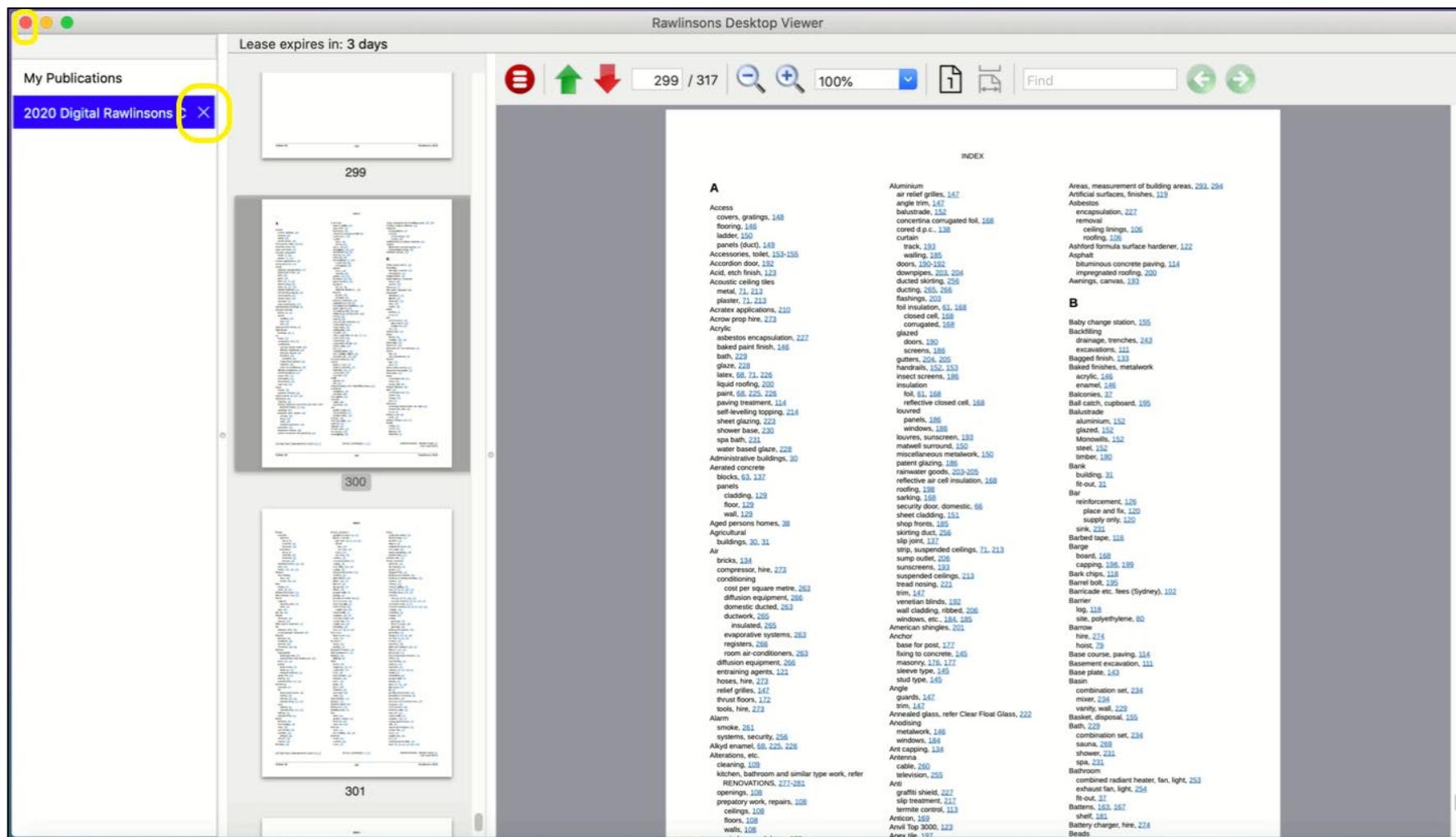
8

RENOVATIONS

LABOUR CONSTANTS

MEASUREMENT OF BUILDING AREAS

Page references within the contents page, index and throughout the text are hyperlinked for fast access to specific pages



You can close the current publication with the X in the left hand menu. Exit/log out of the application with the close button