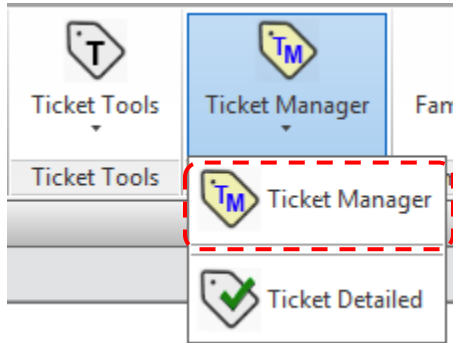


Ticket Manager



Programmed Result of Tool:

This tool will open a Ticket Manager window which is refreshed at each opening and displays information on each Assembly/Ticket currently present in the model.

Steps to Perform tool Operation:

Within any open view of the model, the user clicks the tool to open the ticket manager.

- 1) User clicks the Ticket Manager icon to open the Ticket

Note: *The Ticket Manager tool is very complex and contains multiple sub-routines and areas for differing information to be displayed. The pages that follow provide the opportunity to review each aspect of the Ticket Manager.*

The Ticket Manager is a modeless dialog, meaning it can remain open while other commands are enacted upon the model. It will automatically refresh after executing commands or after the user manually closes and reopens the Ticket Manager; therefore, the list and all flags are updated in real-time. The only time that the Ticket Manager needs to be manually refreshed (available via the right-click menu in the Ticket Manager window) is when the user deletes all view sheets for a released ticket. To see the updated dates, the user will need to either manually refresh the Ticket Manager or close and reopen the Ticket Manager.

Known Limitations:

- This tool reads information using Ticket Manager parameters that are hidden to the average user.
- This tool requires the standard EDGE^R parameters be included within the project. In order to use the Ticket Manager, run the Project Shared Parameters tool under the Admin Ribbon Panel. All assemblies created before the inclusion of the updated shared parameters will appear blank.
- This tool counts structural framing members in the model with EDGE parameters, as well as unique mark numbers assigned. Working in a model where structural framing members are improperly used or modeled, and/or with inappropriate values in the standard parameters will result in information being displayed that is incorrect.
- If a schedule sheet is active when the Ticket Manager is opened, Revit will immediately switch the active view back to the schedule view. This is a default Revit behavior for schedule views. Simply activate the Ticket Manager again via the taskbar to view its contents.

Ticket Manager

Initial Ticket Manager Window

(Example project with limited information populated into the Ticket Manager parameters)

Total quantity of structural framing members associated with the specific mark within the model

Total unique marks in the model (uses CONTROL_MARK parameter)

Expands the Ticket Manager Window to show usernames for each of the date columns

Indicates if the structural framing member is part of an assembly

Filter box for filtering the Ticket Manager list by Mark #

Total count of structural framing members

Count of all the results that pass the filter

List of all structural framing members in the Model that meet the filter criteria (empty filter shows all marks). Clicking on any column header changes the sorting of the list to that column

Warning description area (displays warning information if the selected piece is flagged)

Count of all assemblies and corresponding pieces that have had their ticket released using the Release Selected Ticket tool in the Ticket Manager

Count of all assemblies and corresponding pieces that have been marked as reinforced using the Mark Assembly as Reinforced tool

Count of all assemblies and corresponding pieces that have had their ticket marked as detailed using the Ticket Detailed tool

By selecting one assembly in the Ticket Manager list and clicking the Ticket Populator Button, a ticket will be populated using the selected template

Export table data

These quantities will be automatically updated as work progresses or as the user filters the Ticket Manager list

Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
CLA01	Yes	1		2015-08-31		
CLA02	Yes	1	2015-08-19	2015-09-03		
CLA03	Yes	1	2015-08-18	2015-09-03	2015-09-03	
CLA04	Yes	1	2015-08-18	2015-09-03	2015-09-03	2015-10-05
CLA05	Yes	1	2015-08-19	2015-09-02	2015-09-02	2015-10-05
CLA06	Yes	1	2015-08-18	2015-09-02	2015-09-02	2015-10-05
CLA07	Yes	1	2015-08-19	2015-09-02	2015-09-02	2015-10-05
CLA08	Yes	1	2015-08-19	2015-09-02	2015-09-03	2015-09-21
CLA09	Yes	1	2015-08-19	2015-09-02	2015-09-03	2015-12-01
CLA10	Yes	1	2015-08-19	2015-09-02	2015-09-02	2015-10-06
CLA11	Yes	1	2015-08-19	2015-08-31	2015-09-01	2015-12-01
CLA12	Yes	1	2015-08-19	2015-09-02	2015-09-02	2015-10-05
CLA13	Yes	1	2015-08-19	2015-09-01	2015-09-02	2015-10-05
CLA14	Yes	1	2015-08-19	2015-09-01	2015-09-01	2015-10-05
CLA15	Yes	1	2015-08-19	2015-09-01	2015-09-01	2015-10-05
CLA16	Yes	1	2015-08-19	2015-09-01	2015-09-01	2015-10-05

Warnings:

Reinforced Marks: 410	Detailed Marks: 409	Released Marks: 408
Reinforced Pieces: 795	Detailed Pieces: 794	Released Pieces: 793



Ticket Manager

Expanded Ticket Manager Window

(Example project with limited information populated into the Ticket Manager parameters)

Expanded Ticket Manager dialog to include columns for usernames associated with each of the dates

Mark #	Assembled	Quantity	Reinforced Date	Reinforced By	Created Date	Created By	Detailed Date	Detailed By	Date Released	Released By
CLA04	Yes	1	2015-08-18	tcamp	2015-09-03	vcross	2015-09-03	vcross	2015-10-05	jgeorge
CLA05	Yes	1	2015-08-19	tcamp	2015-09-02	vcross	2015-09-02	vcross	2015-10-05	jgeorge

Note:

The information shown above, is auto populated as the model is developed. Using the Ticket Manager on an existing project will result in a mostly empty list as shown below with many of the quantities at the bottom of the list reporting incomplete data.

Mark #	Assembled	Quantity	Reinforced Date	Reinforced By	Created Date	Created By	Detailed Date	Detailed By	Date Released	Released By
STA01	Yes	1								
STA02	No	3								
STA03	No	2								
STA04	Yes	1								
STA05	No	5								
STA06	No	4								
STA07	No	4								
STA08	Yes	1								
STA09	Yes	1								



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Total Pieces: 67	Total Marks: 55	<input type="checkbox"/> Show Users	Filter list by...		
Mark #	Quantity	Reinforced Date	Created Date	Detailed Checked	Date R
AFA01	1				
AFA02					
AFA03					
AFA04					
AFA05					
AFA06					

Context menu options for AFA01:

- (1) Review Ticket Edit History
- (2) Accept Ticket Edits
- (3) Open Ticket Sheet
- (4) Release Selected Ticket
- (5) Refresh Ticket Manager Window

Open Ticket Sheet sub-menu: AFA01: Sheet: AFA01 - AFA01

1) Review Ticket Edit History for the selected mark in the list (opens a dialog with an itemized list of each edit from the initial reinforced date through release and current date)

Edit History - SWA05

SWA05 - 12" PRECAST CONCRETE SHEARWALL

Edit #	Action	Date	User	Comments
9	RELEASED	2015-09-04	gsteed	TICKET RELEASED
8	EDITS ACCEPTED	2015-09-02	rflach	RICK F
7	REINFORCED	2015-08-25	nniebauer	added lifters
6	REINFORCED	2015-08-06	jwatkins0510	added shear bar
5	DETAILED	2015-07-10	Eva	N/A
4	REINFORCED	2015-07-10	nniebauer	added corbel ties
3	REINFORCED	2015-07-10	nniebauer	added corbel steel
2	CREATED	2015-07-09	Eva	N/A
1	REINFORCED	2015-07-09	Luke_Bressler	TICKET REINFORCED

Close



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Total Pieces: 67	Total Marks: 55	<input type="checkbox"/> Show Users	Filter list by...		
Mark #	Quantity	Reinforced Date	Created Date	Detailed Checked	Date R
AFA01	1				
AFA02					
AFA03					
AFA04					
AFA05					
AFA06					

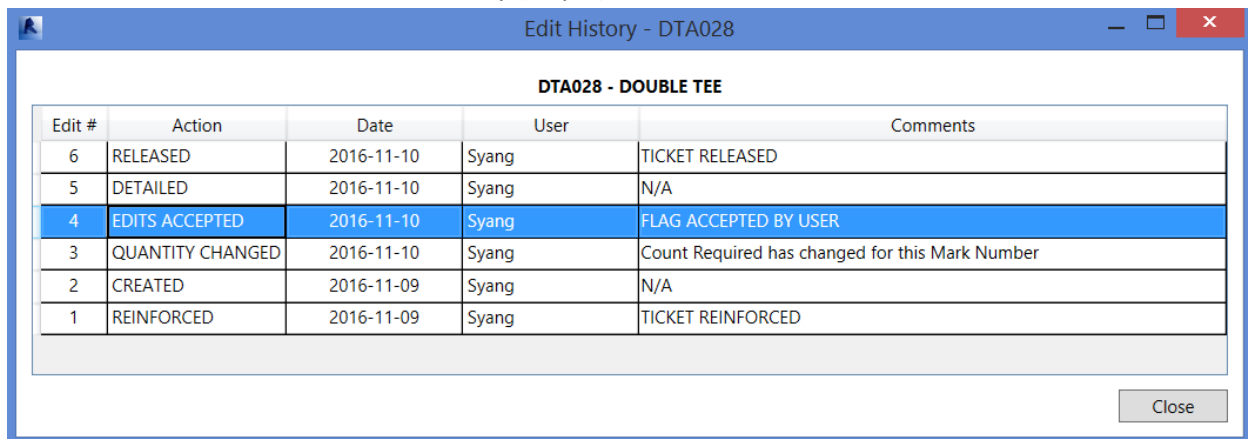
Context menu options:

- (1) Review Ticket Edit History
- (2) Accept Ticket Edits
- (3) Open Ticket Sheet
- (4) Release Selected Ticket
- (5) Refresh Ticket Manager Window

Open Ticket Sheet tooltip: AFA01: Sheet: AFA01 - AFA01

2) Accept Ticket Edits marks the ticket edits as accepted, adds a comment of “FLAG ACCEPTED BY USER” to the Edit History of the ticket, and turns off the Ticket Flag parameter. The Accept Ticket Edits command also supports batch accepting changes for several tickets.

Edit # 4 in the Ticket Edit History (step 1) shows “FLAG ACCEPTED BY USER” comment



Edit #	Action	Date	User	Comments
6	RELEASED	2016-11-10	Syang	TICKET RELEASED
5	DETAILED	2016-11-10	Syang	N/A
4	EDITS ACCEPTED	2016-11-10	Syang	FLAG ACCEPTED BY USER
3	QUANTITY CHANGED	2016-11-10	Syang	Count Required has changed for this Mark Number
2	CREATED	2016-11-09	Syang	N/A
1	REINFORCED	2016-11-09	Syang	TICKET REINFORCED

Close



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

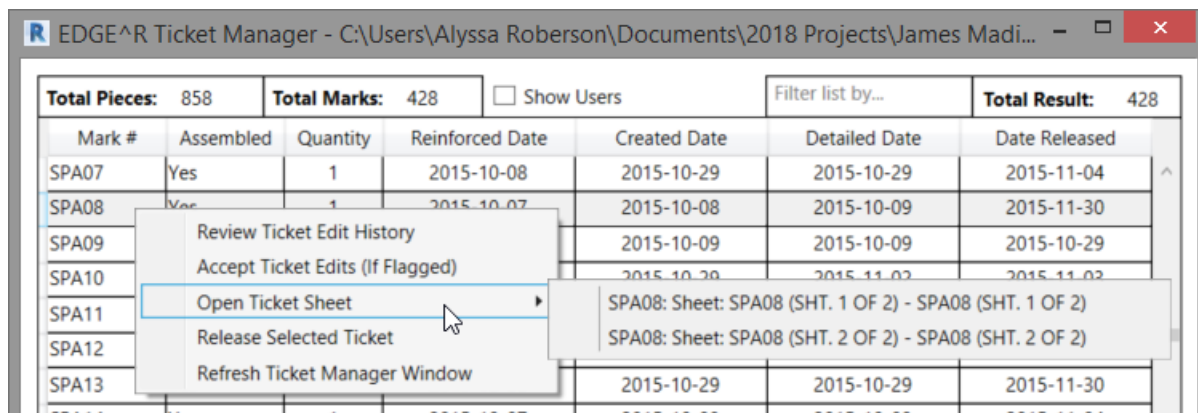
Mark #	Quantity	Reinforced Date	Created Date	Detailed Checked	Date R
AFA01	1				
AFA02					
AFA03					
AFA04					
AFA05					
AFA06					

Total Pieces: 67 **Total Marks:** 55 Show Users Filter list by...

(1) Review Ticket Edit History
(2) Accept Ticket Edits
(3) Open Ticket Sheet AFA01: Sheet: AFA01 - AFA01
(4) Release Selected Ticket
(5) Refresh Ticket Manager Window

3) Open Ticket Sheet will populate a fly-out with a list of sheets associated with the selected mark. Clicking on a sheet in the fly-out will open that sheet.

Multiple ticket sheets are shown in the fly-out if the ticket has more than one sheet associated with it.



EDGE^R Ticket Manager - C:\Users\Alyssa Roberson\Documents\2018 Projects\James Madi...

Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
SPA07	Yes	1	2015-10-08	2015-10-29	2015-10-29	2015-11-04
SPA08	Yes	1	2015-10-07	2015-10-08	2015-10-09	2015-11-30
SPA09				2015-10-09	2015-10-09	2015-10-29
SPA10				2015-10-30	2015-11-02	2015-11-02
SPA11						
SPA12						
SPA13				2015-10-29	2015-10-29	2015-11-30
SPA14	Yes	1	2015-10-07	2015-10-08	2015-10-08	2015-11-04

Total Pieces: 858 **Total Marks:** 428 Show Users Filter list by... **Total Result:** 428

Review Ticket Edit History
Accept Ticket Edits (If Flagged)
Open Ticket Sheet SPA08: Sheet: SPA08 (SHT. 1 OF 2) - SPA08 (SHT. 1 OF 2)
Release Selected Ticket SPA08: Sheet: SPA08 (SHT. 2 OF 2) - SPA08 (SHT. 2 OF 2)
Refresh Ticket Manager Window

Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Mark #	Quantity	Reinforced Date	Created Date	Detailed Checked	Date R
AFA01	1				
AFA02					
AFA03					
AFA04					
AFA05					
AFA06					

Total Pieces: 67 **Total Marks:** 55 Show Users Filter list by...

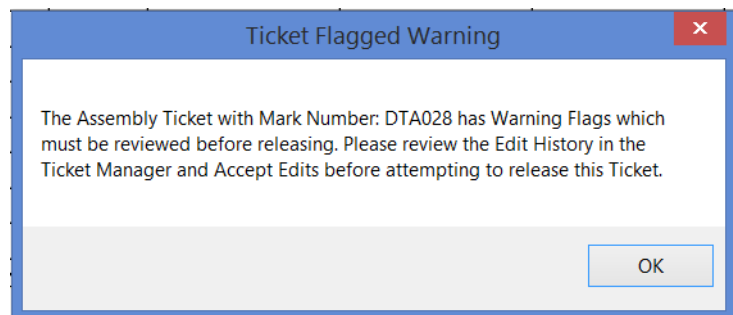
Right-click context menu options:

- (1) Review Ticket Edit History
- (2) Accept Ticket Edits
- (3) Open Ticket Sheet
- (4) Release Selected Ticket
- (5) Refresh Ticket Manager Window

Sheet preview: AFA01: Sheet: AFA01 - AFA01

4) Release Selected Ticket will mark the selected ticket as being released and will automatically populate the Ticket Manager parameters with the username and date. If an attempt to release a ticket with a warning flag occurs, the user is prompted to review the Edit History of the ticket and then to accept edits (step 2) prior to releasing the ticket with the flags left as-is. The ticket cannot be marked as released using the ticket manager if warning flags are turned on for the piece.

The Ticket Manager will update a special parameter for the quantity of the ticket at the time of release. If at any time the quantity in the model no longer matches this value, the ticket manager will flag the quantity column for that mark and provide an appropriate warning message.



The Release Selected Ticket command also supports batch releasing tickets for several mark selections.



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Total Pieces: 67	Total Marks: 55	<input type="checkbox"/> Show Users	Filter list by...		
Mark #	Quantity	Reinforced Date	Created Date	Detailed Checked	Date R
AFA01	1				
AFA02					
AFA03					
AFA04					
AFA05					
AFA06					

Context menu for AFA01:

- (1) Review Ticket Edit History
- (2) Accept Ticket Edits
- (3) Open Ticket Sheet
- (4) Release Selected Ticket
- (5) Refresh Ticket Manager Window

Open Ticket Sheet tooltip: AFA01: Sheet: AFA01 - AFA01

5) Refresh Ticket Manager Window will force a re-read of the model and updated information to be displayed within the Ticket Manager window. This action should complete very quickly, even on large projects.

Total Pieces: 1	Total Marks: 1	<input type="checkbox"/> Show Users	Filter list by...	Total Result: 1	
Created Date	Detailed Date	Date Released	On Hold	Identity Comment	design number

Context menu for On Hold:

- (6) Toggle On Hold
- (7) Edit Identity Comment
- (8) Edit Custom Parameter Values
- Review Ticket Edit History
- Accept Ticket Edits (If Flagged)
- Open Ticket Sheet
- Release Selected Ticket
- Refresh Ticket Manager Window

Warnings:

Reinforced Marks: 0	Detailed Marks: 0	Released Marks: 0
Reinforced Pieces: 0	Detailed Pieces: 0	Released Pieces: 0

Export Ticket Populator Close

6) Toggle On Hold will toggle the checkbox for the ON_HOLD parameter on the assembly and/or structural framing element(s) belonging to that control mark if the parameter is available.



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Created Date	Detailed Date	Date Released	On Hold	Identity Comment	design number

Total Pieces: 1 **Total Marks:** 1 Show Users Filter list by... **Total Result:** 1

Warnings:

Reinforced Marks: 0	Detailed Marks: 0	Released Marks: 0
Reinforced Pieces: 0	Detailed Pieces: 0	Released Pieces: 0

Export Ticket Populator Close

Edit Identity Comment for TG-010 and click save to commit changes:

Identity Comment

Save Clear Cancel

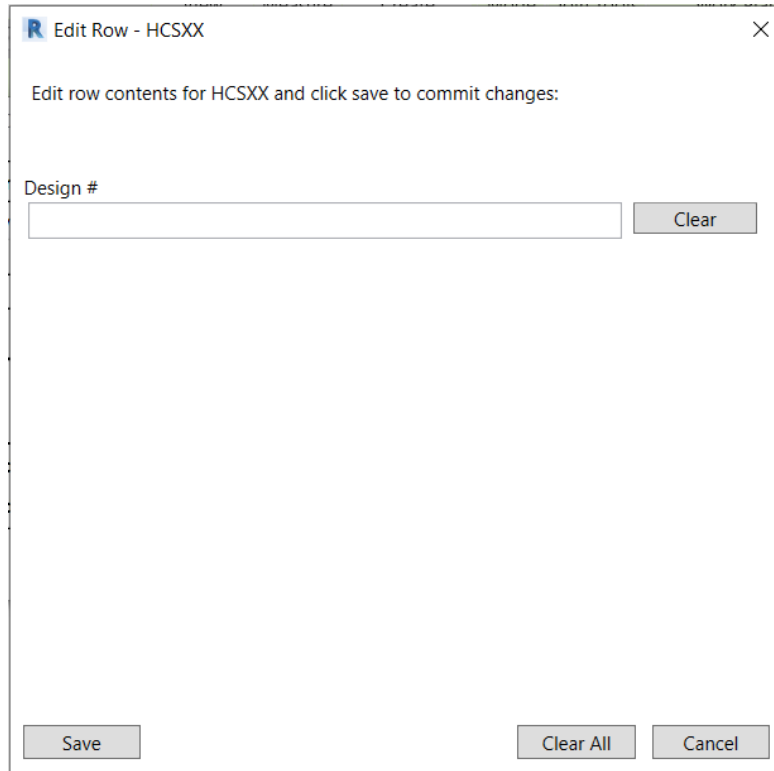
7) Edit Identity Comment will allow the user to modify the current value of the IDENTITY_COMMENT parameter for an assembly or structural framing member. Additionally, the user can clear the value from IDENTITY_COMMENT parameter as well.



Ticket Manager

Right-Click options within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)



R Edit Row - HCSXX

Edit row contents for HCSXX and click save to commit changes:

Design # Clear

Save Clear All Cancel

8) Edit Custom Parameter Values will allow the user to modify the current value of up to four user defined parameter on an assembly and/or structural framing member. These custom parameters will need to be set up using the Ticket Manager Customization Settings interface before they will appear in the Ticket Manager. Keep in mind that read-only parameters cannot be modified and that modifying type parameters will modify the parameter for all assemblies or structural framing of that type. Options are also available to clear out the parameter values as well. Note that the information displayed in the Ticket Manager window is up-to-date with your last synchronization if you are working in a workshared file. Changes made to the model by another user in a workshared file will be visible to your instance of the Ticket Manager after typical synchronization processes have occurred.



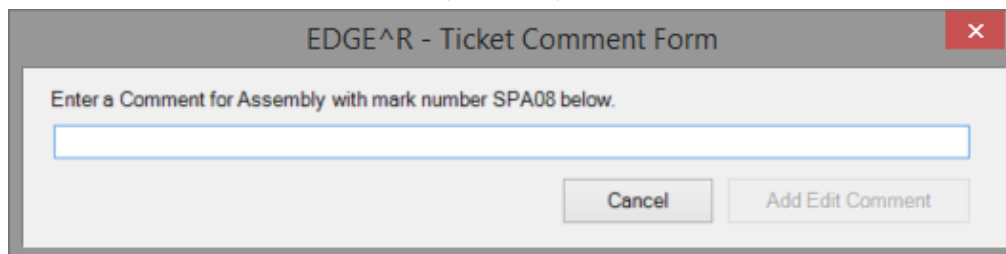
Ticket Manager

Assembly Warning and Comment Window Display within the Ticket Manager

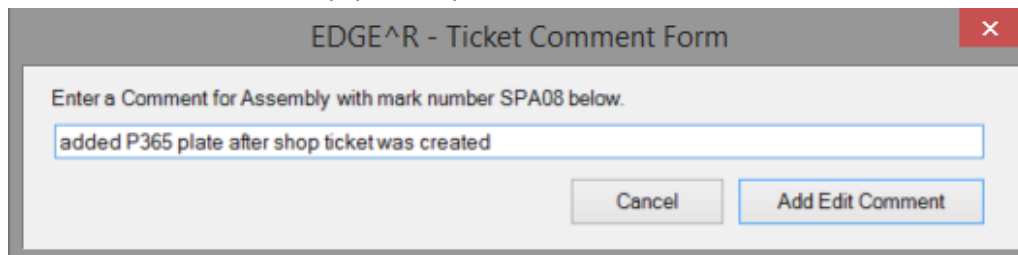
(Example project with limited information populated into the Ticket Manager parameters)

Should any ticket be edited using the Assembly Creation tools after it has been ticketed (created/detailed/released), a warning flag is set for that mark which is indicated by the Ticket Manager changing the formatting of the Mark Number in the list to indicate in a red filled box with white text.

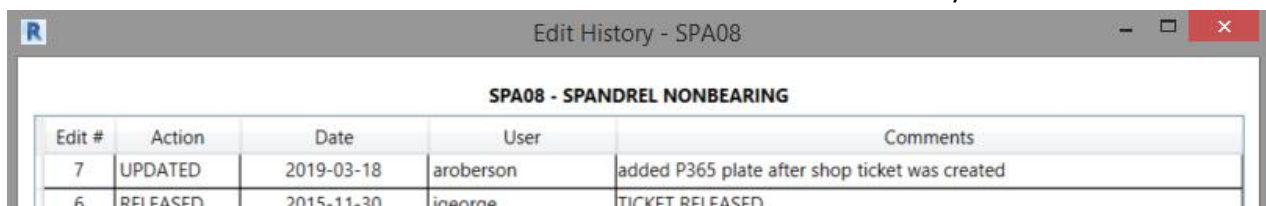
Ticket Comment Form presented to the user when re-assembling an assembly after the ticket has been created/detailed/released



Note that the form will not allow an empty comment. The Add Edit Comment button only activates if non-empty text is present in the comment field.



This comment will be written into the ticket edit history

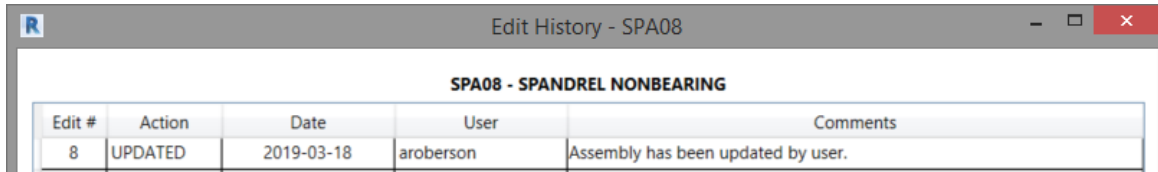


SPA08 - SPANDREL NONBEARING				
Edit #	Action	Date	User	Comments
7	UPDATED	2019-03-18	aroberson	added P365 plate after shop ticket was created
6	RELEASED	2015-11-30	iaeoraē	TICKET RELEASED



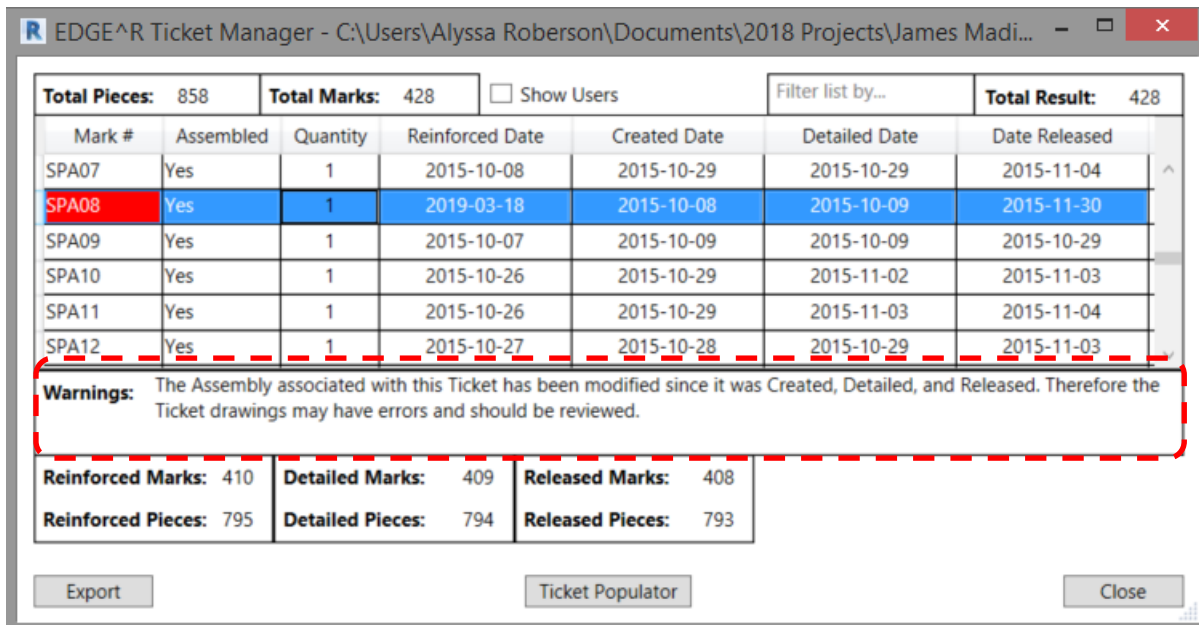
Ticket Manager

Exiting the comment form using the red “X” or clicking the Cancel button will result in the Edit History dialog displaying the following comment: “Assembly has been updated by user”.



Edit #	Action	Date	User	Comments
8	UPDATED	2019-03-18	aroberson	Assembly has been updated by user.

A warning message is also displayed at the bottom of the Ticket Manager just above the Reinforced, Detailed and Released quantities.



Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
SPA07	Yes	1	2015-10-08	2015-10-29	2015-10-29	2015-11-04
SPA08	Yes	1	2019-03-18	2015-10-08	2015-10-09	2015-11-30
SPA09	Yes	1	2015-10-07	2015-10-09	2015-10-09	2015-10-29
SPA10	Yes	1	2015-10-26	2015-10-29	2015-11-02	2015-11-03
SPA11	Yes	1	2015-10-26	2015-10-29	2015-11-03	2015-11-04
SPA12	Yes	1	2015-10-27	2015-10-28	2015-10-29	2015-11-03

Warnings: The Assembly associated with this Ticket has been modified since it was Created, Detailed, and Released. Therefore the Ticket drawings may have errors and should be reviewed.

Reinforced Marks: 410	Detailed Marks: 409	Released Marks: 408
Reinforced Pieces: 795	Detailed Pieces: 794	Released Pieces: 793

Export Ticket Populator Close



Ticket Manager

Quantity Warning Display within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Should any Ticket (Assembly) mark number not match the mark number of the structural framing member, the quantity column reflects a count of 0 (zero) and the display is changed to red fill with white text to notify the user. The Quantity cell is also highlighted red if the quantity changes after releasing a ticket. In this scenario, users cannot accept the quantity issue unless they correct the mark number.

The screenshot shows the 'Ticket Manager - ModelLocking.rvt' window. At the top, it displays 'Total Pieces: 108' and 'Total Marks: 86'. Below this is a table with columns: Mark #, Assembled, Quantity, Reinforced Date, Created Date, Detailed Date, and Date Released. The row for mark # CLA011 shows a quantity of 0, which is highlighted in red. Below the table is a 'Warnings:' section. At the bottom, there are summary statistics for Reinforced, Detailed, and Released marks and pieces, along with 'Export', 'Ticket Populator', and 'Close' buttons.

Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
CLA010	Yes	1	2015-08-17	2015-08-12	2015-08-18	2016-11-18
CLA011	Yes	0	2016-11-18	2016-11-18	2016-11-18	2016-11-18
CLA013	Yes	1	2015-08-11	2015-08-12	2015-08-12	
CLA014	Yes	1	2015-08-11	2015-08-12	2015-08-18	
CLA015	Yes	1	2015-08-12	2015-08-13	2015-08-18	
CLA016	Yes	1	2015-08-12	2015-08-14	2015-08-18	

Warnings:

Reinforced Marks: 66	Detailed Marks: 40	Released Marks: 3
Reinforced Pieces: 83	Detailed Pieces: 51	Released Pieces: 2

A warning message is also displayed at the bottom of the Ticket Manager just above the Reinforced, Detailed and Released quantities. Note that if the Warning text is larger than the box, a vertical scrollbar will be available to use to see the entire message.



Ticket Manager

CLA011	Yes	0	2016-11-18	2016-11-18	2016-11-18	2016-11-18
Warnings: The Assembly's ASSEMBLY_CONTROL_MARK parameter value does not match any Structural Framing Elements' CONTROL_MARK parameter value. This piece needs to be reviewed and the Mark Number corrected for the Ticket (Assembly), or the Structural Framing element which will then have an effect on the Erection Drawings.						

Should the quantity of structural framing elements change (increase/decrease) after the ticket has been created/detailed/released, the quantity column will be flagged and the warning message will be updated. In this scenario, users can accept the flag for the quantity issue.

EDGE^R Ticket Manager - C:\Users\Alyssa Roberson\Documents\2018 Projects\James Madi...

Total Pieces: 859	Total Marks: 428	<input type="checkbox"/> Show Users	Filter list by...	Total Result: 428		
Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
SPA03	Yes	1	2015-10-07	2015-10-08	2015-10-08	2015-10-29
SPA04	Yes	6	2015-10-08	2015-10-29	2015-10-28	2015-11-30
SPA05	Yes	6	2015-10-07	2015-10-08	2015-10-08	2015-11-30
SPA06	Yes	2	2015-10-07	2015-10-29	2015-10-08	2015-10-29
SPA07	Yes	1	2015-10-08	2015-10-29	2015-10-29	2015-11-04
SPA08	Yes	2	2019-03-18	2015-10-08	2015-10-09	2015-11-30
Warnings: The Assembly's released quantity no longer matches the quantity of Structural Framing Elements in the model with the same CONTROL_MARK parameter value.						
Reinforced Marks: 410	Detailed Marks: 409	Released Marks: 408				
Reinforced Pieces: 796	Detailed Pieces: 795	Released Pieces: 794				

Export Ticket Populator Close



Ticket Manager

View Sheet Warning within the Ticket Manager

(Example project with limited information populated into the Ticket Manager parameters)

Should users delete all the view sheets after the ticket has been released, the assembly mark number column will be flagged and a warning message will be displayed. After refreshing the ticket manager window, the ticket created date and detailed date will be cleared out. In this scenario, the flag cannot be accepted by users unless they create a new view sheet and detail it.

The screenshot shows the 'EDGE^R Ticket Manager' window. At the top, it displays summary statistics: Total Pieces: 858, Total Marks: 428, and Total Result: 428. Below this is a table with columns: Mark #, Assembled, Quantity, Reinforced Date, Created Date, Detailed Date, and Date Released. The row for SPA08 is highlighted in red and blue, indicating a warning. Below the table, a 'Warnings' section contains a message about assembly modifications. At the bottom, there are buttons for 'Export', 'Ticket Populator', and 'Close', along with a summary of Reinforced, Detailed, and Released marks and pieces.

Mark #	Assembled	Quantity	Reinforced Date	Created Date	Detailed Date	Date Released
SPA03	Yes	1	2015-10-07	2015-10-08	2015-10-08	2015-10-29
SPA04	Yes	6	2015-10-08	2015-10-29	2015-10-28	2015-11-30
SPA05	Yes	6	2015-10-07	2015-10-08	2015-10-08	2015-11-30
SPA06	Yes	2	2015-10-07	2015-10-29	2015-10-08	2015-10-29
SPA07	Yes	1	2015-10-08	2015-10-29	2015-10-29	2015-11-04
SPA08	Yes	1	2019-03-18		2015-10-09	2015-11-30
SPA09	Yes	1	2015-10-07	2015-10-09	2015-10-09	2015-10-29

Warnings: The Assembly associated with this Ticket has been modified since it was Released. Therefore the Ticket drawings may have errors and should be reviewed. The view sheets of the Assembly were deleted after the ticket has been detailed or released. Please review the create date.

Reinforced Marks: 410	Detailed Marks: 409	Released Marks: 408
Reinforced Pieces: 795	Detailed Pieces: 794	Released Pieces: 793

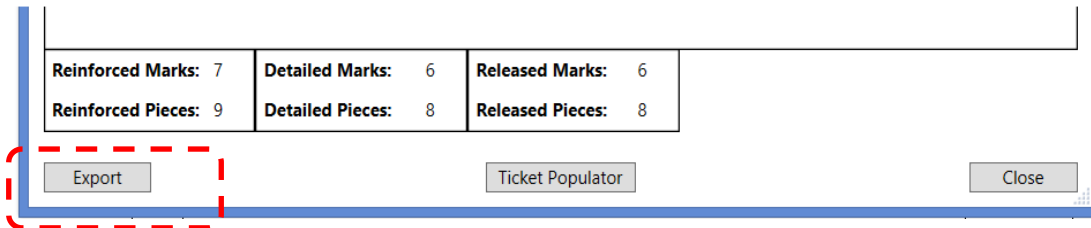


Ticket Manager

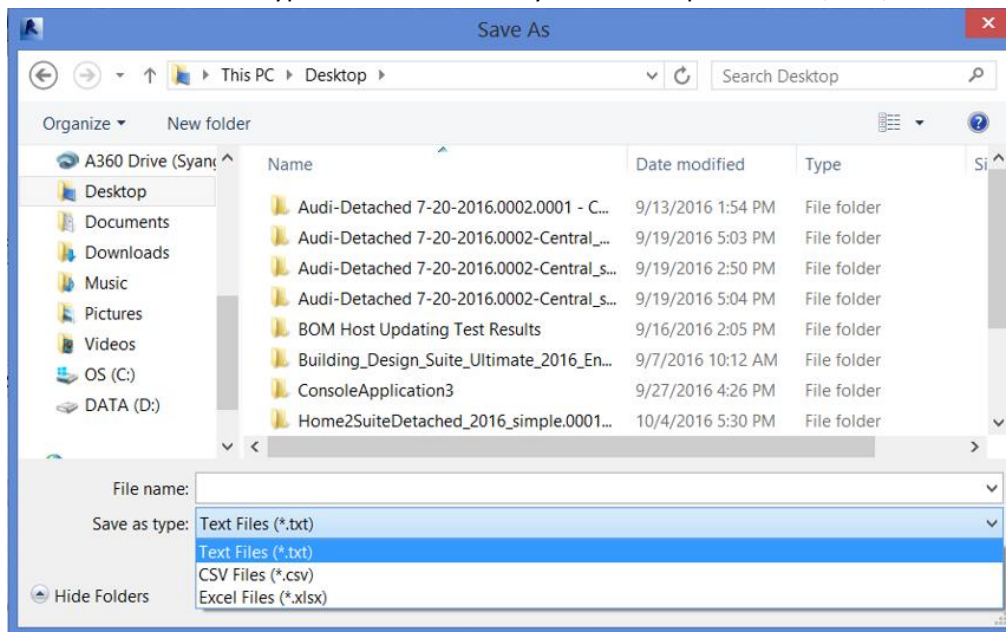
Exporting the current Ticket Manager List to a Text File

(Example project with randomly populated Ticket Manager parameter values)

To export the **current** Ticket Manager display list, click the Export button at the bottom left of the Ticket Manager dialog. The user provides the save to location of the exported file in a standard windows dialog.



There are three file types that the user may save the export as: .txt, .csv, and .xlsx



Ticket Manager

The list is then saved to the file path selected by the user.



A sample export in .txt format is shown below. The screenshot is from Notepad.

Header Information

Project Information

Revit Model and Date of Export

Quantities Reported from entire model (not affected by filtering)

Filter applied (if none, All Marks are included)

List of marks which match filter

```
Client: METROMONT
Project: HOME 2 SUITES PARKING DECK
Revit Model File: Home2SuiteDetached_2016_simple.0019.rvt
Report Date: 2016-11-10

Total Pieces: 15      Detailed Marks: 6
Total Marks: 12      Detailed Pieces: 8
Reinforced Marks: 7   Released Marks: 6
Reinforced Pieces: 9   Released Pieces: 8
List Filter: All Marks

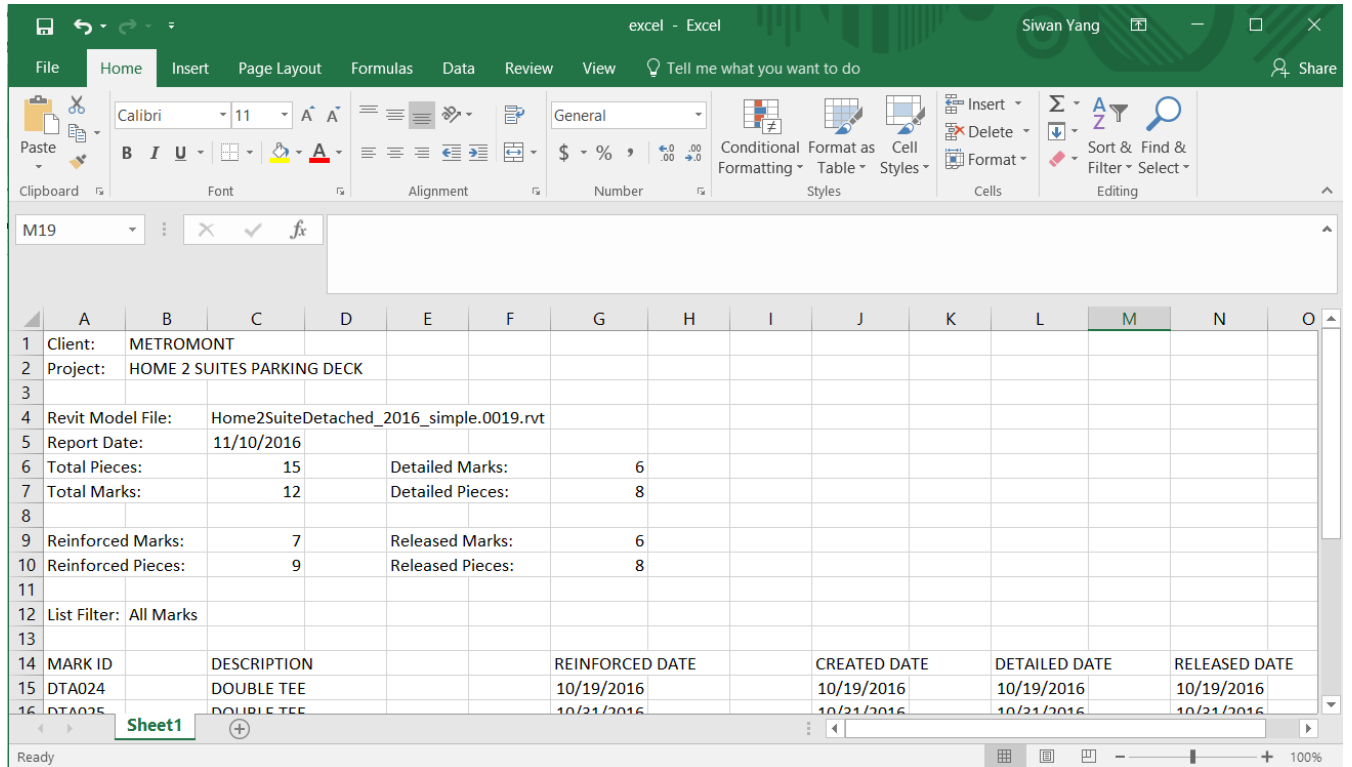
MARK ID  DESCRIPTION          REINFORCED DATE  CREATED DATE  DETAILED DATE  RELEASED DATE
-----  -----
DTA024  DOUBLE TEE           2016-10-19      2016-10-19    2016-10-19     2016-10-19
DTA025  DOUBLE TEE           2016-10-31      2016-10-31    2016-10-31     2016-10-31
DTA026  DOUBLE TEE           2016-10-11      2016-10-11    2016-10-11     2016-10-11
DTA027  DOUBLE TEE           2016-10-18      2016-10-18    2016-10-18     2016-10-18
DTA028  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA029  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA030  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA031  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA032  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA033  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
DTA034  DOUBLE TEE           2016-11-10      2016-11-10    2016-11-10     2016-11-10
```



Ticket Manager

This is an example of a .csv file and .xlsx file export.

Since a .csv file can be opened by Excel, the exported files look the same.



The screenshot shows an Excel spreadsheet with the following data:

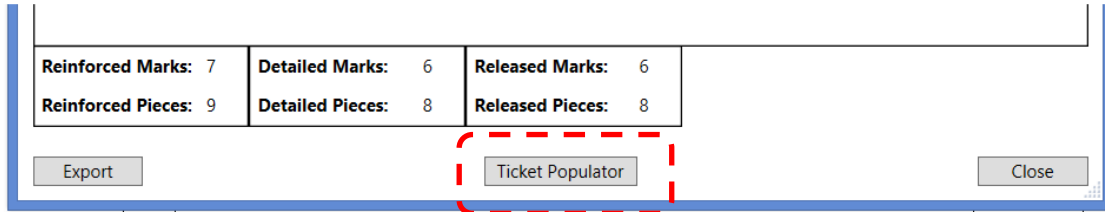
1	Client:	METROMONT														
2	Project:	HOME 2 SUITES PARKING DECK														
3																
4	Revit Model File:	Home2SuiteDetached_2016_simple.0019.rvt														
5	Report Date:	11/10/2016														
6	Total Pieces:		15		Detailed Marks:		6									
7	Total Marks:		12		Detailed Pieces:		8									
8																
9	Reinforced Marks:		7		Released Marks:		6									
10	Reinforced Pieces:		9		Released Pieces:		8									
11																
12	List Filter:	All Marks														
13																
14	MARK ID		DESCRIPTION				REINFORCED DATE			CREATED DATE		DETAILED DATE		RELEASED DATE		
15	DTA024		DOUBLE TEE				10/19/2016			10/19/2016		10/19/2016		10/19/2016		
16	DTA025		DOUBLE TEE				10/21/2016			10/21/2016		10/21/2016		10/21/2016		



Ticket Manager

Ticket Populator button in Ticket Manager

(Example project with randomly populated Ticket Manager parameter values)



Users can use the Ticket Populator button within the Ticket Manager to create view sheets for the selected mark number. After clicking the Ticket Populator button, select a ticket template to create the view sheet. After populating the ticket, the new view sheet will be opened for the user. Please refer to the Ticket Populator documentation for detailed information.

