

Ticket Manager: Ticket Checker



The Ticket Checker Tool allows the user to run quality control checklists on each structural framing assembly in the model.

Prerequisites

- Before using this tool, you must first use the Ticket Checker Settings tool to create Checklists and define which checks belong to each list.
- If you open the Ticket Checker Settings window, or use Ticket Checker, without a settings file selected, you will be prompted to select one.
- If a settings file *is* specified in Preferences but *cannot be found*, you can either continue without one, in which case the tool shows the missing path by default and attempts to save future changes there or you can browse to and select an alternate settings file.

Overview

The Ticket Checker tool enables the user to run a quality control checklist on an assembly as it goes through the ticketing lifecycle. The user can also use the tool to update status parameters to track when a Check has been passed and reject tickets that do not.

If no structural framing assembly is selected before you run the tool, you will be prompted to select one in the model, and then the tool advances to the Checklist Selection window.

If the active view is a sheet with an associated structural framing assembly, that assembly is assumed selected and the tool advances directly to the Checklist Selection window.

In the Checklist Selection Window, the user will select the Manufacturer and Check List name from the drop down menus, as well as the view selection (List View, Check View, or Detailed View) applied to the Checklist and press the Check button to advance to the Ticket Checker main tool.

It will automatically dock to the right of your drawing area and display information about the Checklist and Assembly, and allow the user to pass or fail the ticket. The user also has the ability to export this information from the window to an .xls format to the defined folder path set in Edge Preferences.

UI Breakdown

The image shows a software dialog box titled "Ticket Checker" with a blue header bar containing a Revit icon and a close button. The dialog has a light gray background. It contains the following elements: a text field labeled "Mark:" with the value "TG03" (callout 1); a drop-down menu labeled "Manufacturer" showing "Manufacturer A" (callout 2); another drop-down menu labeled "Check List" showing "List Name 1" (callout 3); a section titled "Ticket Checker View Selection" (callout 4) with three radio buttons: "List View" (selected), "Check View", and "Detailed View"; and two buttons at the bottom: "Check" (callout 5) and "Cancel" (callout 6).

1. **Mark:** Displays the mark number of the selected assembly.
2. **Manufacturer** drop-down menu: List of existing manufacturers the user can select from.
3. **Check List** drop-down menu: List off checklists associated with the selected manufacturer. Select the checklist to be used by the tool.
4. **Ticket Checker View Selection**
 - List View- Dockable pane; the user can see the full list of checks at one time.
 - Check View- Dockable pane; the user can only see one check at a time.
 - Detailed View- Stand alone window; the user can see everything about all checks in the list at all times.
 - *Note: You can continue to interact with the Revit model while any of these windows are open.*
5. **Check** button: Opens the ticket checker with the type of view selected in the Ticket Checker View Selection with the tasks for the selected list.

- If the tool is already open, it will close that window, and open the new one or update existing window depending on the view open and the view selected.
- Continuing past this window and opening one of the three ticket checker views will update the TICKET_CHECKING_IN_PROGRESS parameter on the assembly to a yes value.

6. **Cancel** button: Closes the window

If the selected assembly already has a checklist that has been used with it, the list selection window will look slightly different.

Ticket Checker

Mark: TG03

Manufacturer
Manufacturer A

Check List
List Name 1

Ticket Checker View Selection

☒ List View ☐ Check View ☐ Detailed View

Previous Checklist:

List Name 1 - Manufacturer A
Status: PASSED 8/19/2026 5:04:02 PM

Continue

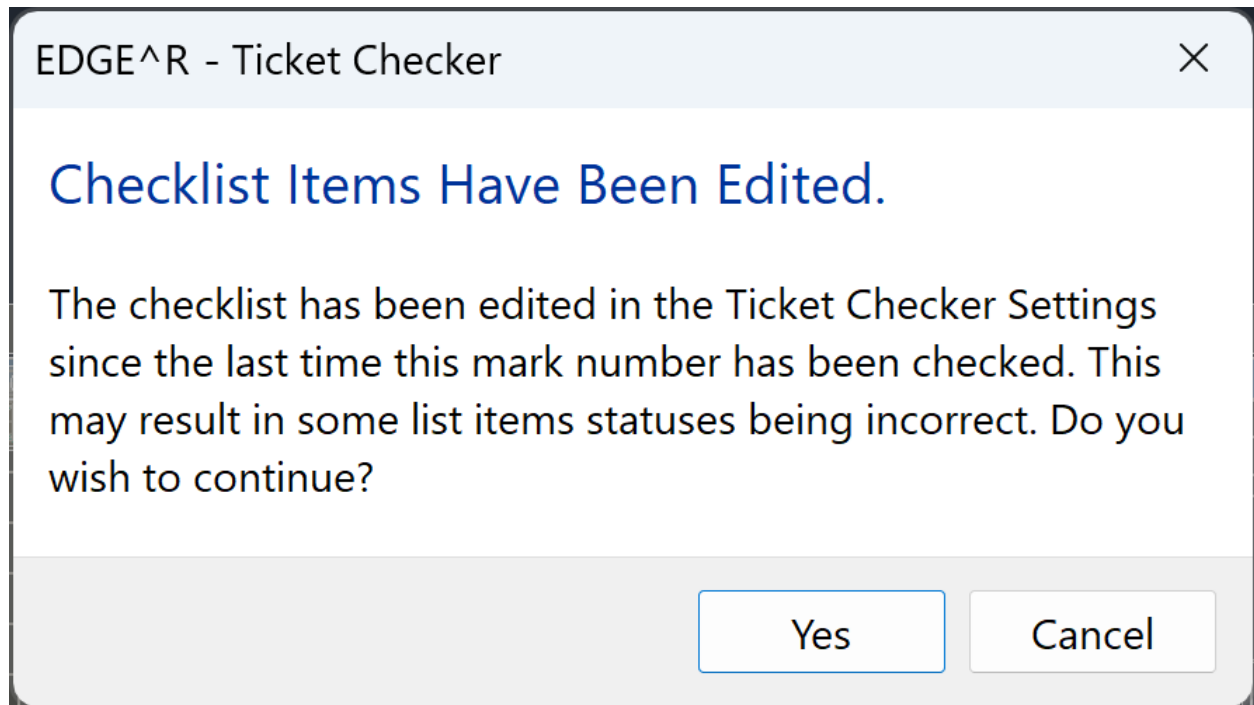
Check Cancel

The Previous Checklist section will appear:

- The labels will list the {Checklist name}-{Manufacturer} on top.
- The label will also list status (IN PROGRESS, PASSED, FAILED) on the bottom.
- **Continue** button: Opens the ticket checker with the type of view selected in the Ticket Checker View Selection with the tasks for the selected list, except it will

select the previous checklist instead of whatever is selected in the Ticket Checker main window.

- If the user continues with a previous list but it has been edited in the Ticket Checker Settings in a way that would cause the saved list information to not map correctly, the user will get a warning message informing that existing information saved in the model will be lost if they continue. They can also cancel which closes the tool.



Ticket Checker View Selection

Note: ALL BUTTONS SHARED BY ALL THREE VIEWS WILL OPERATE THE SAME, DESCRIPTIONS FOR EACH WILL BE INCLUDED HERE AND NOT REPEATED.

Ticket Checker - Detail View

List Name 1

PTAC - TG03

Check List Status: PASSED 8/19/2026 5:04:02 PM

General Check

Description / Instructions

✓ ✗

Views Check

Description / Instructions

TG03: Sheet: 1 - TG03 - TG03: Detail View: Elevation Top

TG03: Sheet: 1 - TG03 - TG03: Detail View: Elevation Front

TG03: Sheet: 1 - TG03 - TG03: Detail View: Elevation Right

✓ ✗

Sheets Check - PASS

Description / Instructions

TG03: Sheet: 1 - TG03 - PASS

✓ ✗

Ticket Passed Ticket Failed Abort Check Clear Progress Export Progress Close

1. **Labels** displayed at the top of the window:

- Checklist Name
- {The PROJECT Manufacturer} - {Assembly Mark Number}
- The Checklist status and the time the status was set

2. **Change List** button: Closes this window and reopens the List Selection Window.

3. **Checklist Checks List** Box: Displays information about the checks defined in the list.

- See **Check List Checks** below for more information

4. **Ticket Passed**

- Updates Check List Status to **PASSED**.
- Updates the date and time that the status was changed.
- Updates the TICKET_CHECKING_IN_PROGRESS parameter value for the selected assembly to **No**.
- If the checklist is supposed to be tracked (set in Ticket Checker Settings), the tool will prompt the user to update those parameters. Choose yes up update

parameters, choose no to continue pass the ticket without updating parameters.

5. **Ticket Failed:**

- Saves Check List Status on assembly as **FAILED**.
- Updates the date and time that the status was changed.
- Updates the TICKET_CHECKING_IN_PROGRESS parameter value for the selected assembly to **No**.
- The tool will prompt the user and ask if they would like to Reject the ticket or not.
 - Pressing **Yes**: Will *Reject AND Fail* the ticket; this will update the rejection status in Ticket Manager.
 - This includes updating parameters on the assembly and structural framing elements, incrementing the rejection count, and clearing current detailed, drafting check, and engineering check statuses.
 - Pressing **No**: Updates Check List Status to FAILED and updates the time the status.
- After selecting yes or no, the user will receive a success message that the assembly has been updated and if the user would like to *Export Check Progress*.

6. **Abort Check:**

- Deletes all progress on the current check.
- Sets TICKET_CHECKING_IN_PROGRESS Parameter to *No* on the selected assembly.
- Closes the tool.

7. **Clear Progress:**

- Clears the status of any checks, sheets, or views but keeps the window open.

8. **Export Progress:** Will Export the current progress of the checklist.

- See Export details below for more information

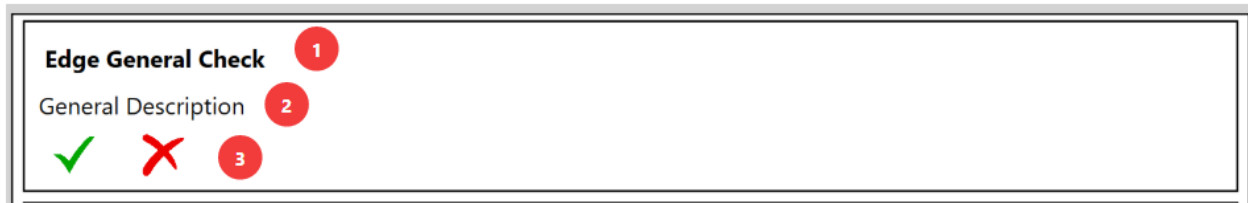
9. **Close:** Closes the window.

- Does not update the model in anyway.

Check List Checks

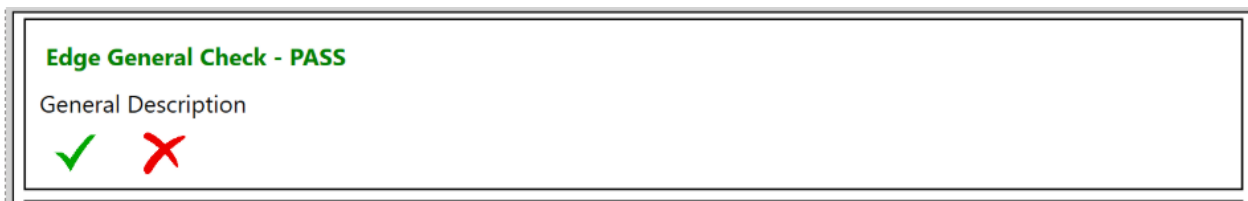
General Scoped Checks

The most basic of the checks; The user can set a status of the check as Pass or Fail.



1. Check's Title
2. Description/Information about the check defined in the settings.
3. Green Check Button to set status to Pass
Red X button to set the status to Fail.

Pressing the green check or the red X buttons will update the colors of the Check Title to match (green-passed; red-failed)



Views Scoped Checks

Similar to the General Check, however the user can set a status of the check for each individual view placed on a sheet associated with the selected assembly.

The green check and red x button below the view allows the user to set the status of the check for that specific view.

Edge Views Check

1

VIEWS

View Description

WP272: Sheet: 1 OF 2 - WP272 - WP272: Detail View: Elevation Top

2

WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 6

WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 7

✓

✗

3

✓

✗

4

1. Like General, the Check List name and status label and description label are the same.
2. A list box containing a list of detail views placed on sheets associated with the selected assembly.
3. Selecting one of the views in this list will open the sheet the view is placed on in the Revit model and the Checkmark and X buttons will appear below that view, allowing the user to set the status of that selected view. Note: Setting the status of a view will automatically select the next view in the list.
 - Press the green *checkmark* to set the view's status to PASS.
 - Press the red *X* to set the view's status to FAIL.
4. These Check/X buttons at the very bottom set the status of the entire check and the views within.
 - Press the green *checkmark* to set the entire check and all views status to PASS.
 - The check cannot be considered passed if one of the views has a failed status.
 - If the overall check status is Pass and the user changes the status for one of the views to Fail it will update the status of the overall check to Fail, but not update the status of the other views.
 - Press the red *X* to set the entire check and all views status to FAIL.

Edge Views Check - PASS	VIEWS
View Description	
WP272: Sheet: 1 OF 2 - WP272 - WP272: Detail View: Elevation Top - PASS	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 6 - PASS	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 7 - PASS	
✓ ✗	
✓ ✗	

Edge Views Check - FAIL	VIEWS
View Description	
WP272: Sheet: 1 OF 2 - WP272 - WP272: Detail View: Elevation Top - FAIL	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 6 - FAIL	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 7 - FAIL	
✓ ✗	
✓ ✗	

Edge Views Check - FAIL	VIEWS
View Description	
WP272: Sheet: 1 OF 2 - WP272 - WP272: Detail View: Elevation Top - PASS	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 6 - PASS	
WP272: Sheet: 2 OF 2 - WP272 - WP272: Detail View: Detail 7 - FAIL	
✓ ✗	
✓ ✗	

Sheets Scoped Checks

This check operates exactly the same as the views scoped item except it is a list of the sheets, not the views placed on the sheets.

Edge Sheets Check	SHEETS
Sheets Description	
WP272: Sheet: 1 OF 2 - WP272	
WP272: Sheet: 2 OF 2 - WP272	
 	

Edge Sheets Check - PASS	SHEETS
Sheets Description	
WP272: Sheet: 1 OF 2 - WP272 - PASS	
WP272: Sheet: 2 OF 2 - WP272 - PASS	
 	

Edge Sheets Check - FAIL	SHEETS
Sheets Description	
WP272: Sheet: 1 OF 2 - WP272 - PASS	
 	
WP272: Sheet: 2 OF 2 - WP272 - FAIL	
 	

Ticket Checker Views

List View: This view is a dockable pane

Ticket Checker

List Name 1

PTAC - TG01

Check List Status: IN PROGRESS

Check View

Change List

General Check

Views Check

VIEWS

Description / Instructions

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elev

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elev

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elev

<

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✓

✗

Sheets Check

SHEETS

Ticket Passed

Ticket Failed

Abort Check

Clear Progress

Export Progress

Close

1. Read-only information about the checklist, project, assembly, and check list status is displayed at the top of the window.
2. **Check View** button: Pressing the button will change the view to a check type view. The list of checks will be replaced with a single check displayed at a time.
3. **Change List** button: Pressing this button opens the Ticket Checker tool and allows the user to change their checklist.
4. This area is a list of checks contained within the selected checklist.
 - Information about the check will be limited until the user clicks the specific check. Once a check is selected, the Descriptions/Instructions as well as a list of relevant views and/or sheets is displayed underneath the checklist name.
5. Ticket Checker action buttons

Check View: This is a dockable pane

Ticket Checker

List Name 1

List View

PTAC - TG01

Change List

Check List Status: IN PROGRESS

<< PREV

1

Check 1 of 3

2

NEXT >>

General Check

Description / Instructions

✓

✗

Passed: 0

Failed: 0

3

Ticket Passed

Ticket Failed

Abort Check

Clear Progress

Export Progress

Close

1. **<<PREV button:** will change the check displayed in the window to the previous check in the list.
2. **>>NEXT button:** will change the check displayed in the window to the next check in the list.
3. **Passed/Failed count:** Status of checks

Detailed View: This is a stand alone window and all buttons and features operate identically to the Check and List view type windows.

Ticket Checker - Detail View

List Name 1 Change List

PTAC - TG01

Check List Status: IN PROGRESS

General Check

Description / Instructions

✓ ✗

Views Check VIEWS

Description / Instructions

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elevation Top

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elevation Front

TG01: Sheet: 1 - TG01 - TG01: Detail View: Elevation Right

✓ ✗

Sheets Check SHEETS

Description / Instructions

TG01: Sheet: 1 - TG01

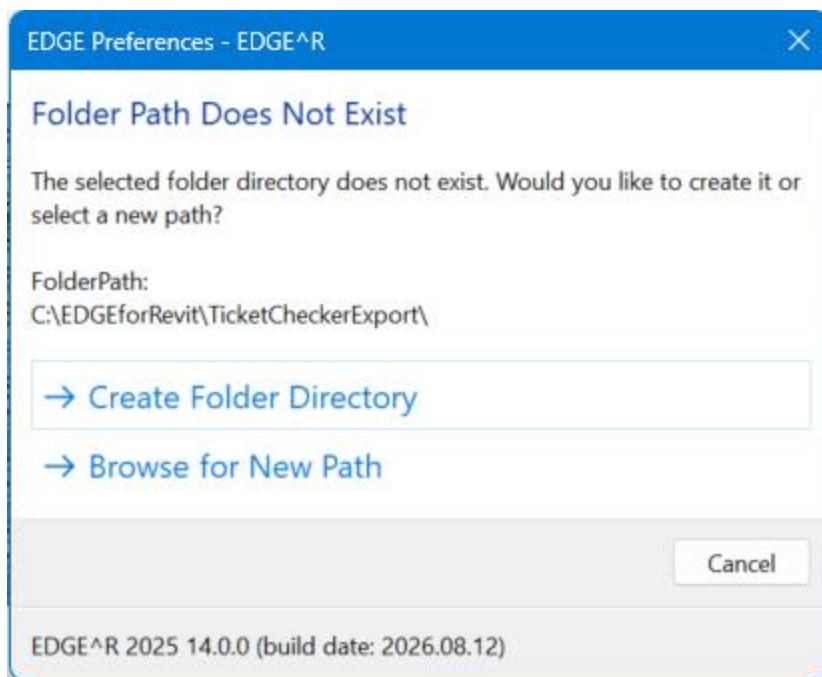
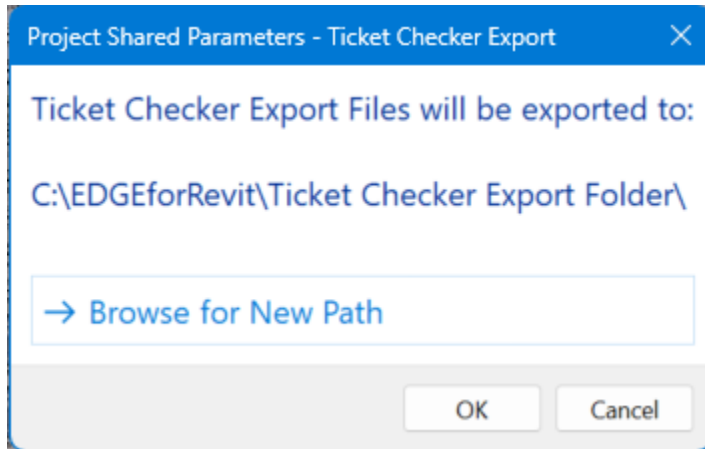
✓ ✗

Ticket Passed Ticket Failed Abort Check Clear Progress Export Progress Close

Ticket Checker Export details

The Ticket Checker Export creates an excel file that contains all the information about the different status's of the checks for a specific list for specific assembly at the time it is ran.

The tool will use the folder path set in the PROJECT_TICKET_CHECKER_EXPORT_FOLDER parameter in project information.

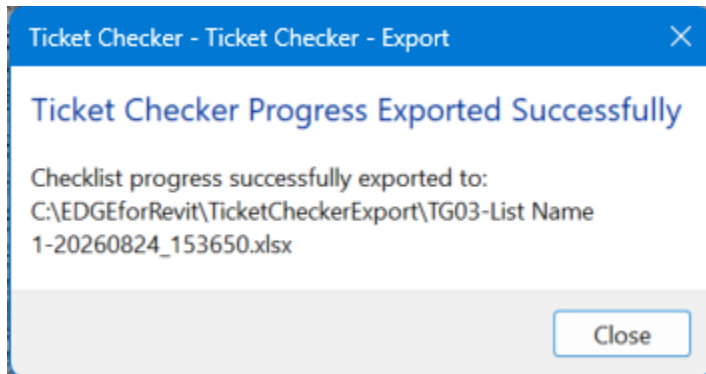


If the parameter does not exist or is empty, the tool will use "C:\EDGEforRevit\TicketCheckerExport\" as the default, the user will have an option to select a different folder path.

Press OK to continue.

Press Cancel to cancel the export.

Once the user continues with existing file path or selects a new one, a success message will appear alerting the user that the file has been created.



The file created will be named in the following convention:
{Assembly Mark Number}-{Checklist name}-{TimeStamp of date file was exported}.xlsx

The export file has 2 sheets: Summary Information and Check Information

Summary Information Sheet

	A	B	C	D
1	Checklist Name	List Name 1		
2	Project Manufacturer	PTAC		
3	Mark Number	TG03		
4	Project Name	Training Project		
5	Project Number	1234		
6	Export Timestamp	8/24/2026 15:48		
7	Check Status			
8	Check Timestamp			
9				
10				
11				

Displays summary information about the checklist including:

- **Checklist Name**
- **Project Manufacturer**
- **Mark Number**
- **Project Name**
- **Project Number**

- **Export Timestamp:** The time the file was created
- **Check Status**
- **Check Timestamp:** The time the check status was last updated

Check Information Sheet

	A	B	C	D	E	F
1	Check	Scope	Sheet	View	Result	
2	General Check	General				
3	Views Check	Views	TG03: Sheet: 1 - TG03	TG03: Detail View: Elevation Top		
4	Views Check	Views	TG03: Sheet: 1 - TG03	TG03: Detail View: Elevation Front		
5	Views Check	Views	TG03: Sheet: 1 - TG03	TG03: Detail View: Elevation Right		
6	Sheets Check	Sheets	TG03: Sheet: 1 - TG03			
7						
8						
9						
10						
11						

Columns:

- **Check:** The name of the check from the list
- **Scope:** General, Views, Sheets
- **Sheet:** if Views or Sheets: the sheet or sheet the view is placed on; column is empty if not applicable
- **View:** if Views: the detail view; column is empty if not applicable
- **Result:** PASS, FAIL; column is empty if not set

Rows:

Each row represents a different check's status

The overall status for checks with a scope of Views or Sheets is not included. Instead, the status for that check for each view or sheet is exported (Checks with a *Views Scope* could take up multiple rows with varying status.)