CADS RC 3D

CADS REBAR EXTENSIONS for Revit®

Release notes

CADS

GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES

AUTODESK
Authorised Developer

Microsoft
Partner

Contents

Release Notes

Thank you for installing **CADS Rebar Extensions for Revit®**.

These release notes summarise the features that are available in this product.

Version 2026.1 for Revit® 2026, Version 2025.4 for Revit® 2025, Version 2024.7 for Revit® 2024

Release – December 2025

- The version number is updated to v2026.1, v2025.4, v2024.7 for the Revit versions 2026, 2025 and 2024 respectively to match with the RC3D Suite version.

Version 2026.1 for Revit® 2026

Release – September 2025

- An error on running the Interferences command in high resolution monitors has been fixed.

Version 2026.0 for Revit® 2026

Release – June 2025

- Support for Revit 2026.

Version 2025.3 for Revit® 2025, Version 2024.6 for Revit® 2024, Version 2023.9 for Revit®2023

Release – June 2025

- The version number is updated to v2025.3, v2024.6, v2023.9 for the Revit versions 2025, 2024 and 2023 respectively to match with the RC3D Suite version.

Version 2025.2 for Revit® 2025, Version 2024.5 for Revit® 2024, Version 2023.8 for Revit®2023

Release – March 2025

- The version number is updated to v2025.2, v2024.5, v2023.8 for the Revit versions 2025, 2024 and 2023 respectively to match with the RC3D Suite version.

Version 2025.1 for Revit® 2025

Release – August 2024

- A fix has been done in the Interferences command to display the reports page.

Version 2025.0 for Revit® 2025

Release – June 2024

- The CADS Rebar Extensions 2025.0 for Revit® supports Revit 2025.
- The regional settings dialog which is prompted for the first time, on running any command in a new project, loads the rebar shape families from the database based on the selected region.

Version 2024.1 for Revit® 2024 & Version 2023.4 for Revit® 2023 & Version 2022.4 for Revit® 2022

Release – September 2023

License Improvement

Activate the License of CADS Rebar Extensions from inside Revit® using either the cloud licence number or the User Credentials. Depending on the type of subscription you choose, CADS will provide either an 18-digit license code or a combination of a username and password (in the case of Account Based Licensing - ABL) via email.

Version 2024.0 for Revit® 2024

Release – April 2023

- CADS Rebar Extensions 2024.0 for Revit® supports Revit 2024.

Version 2023.3 for Revit® 2023

Release – November 2022

- An error on clicking Report tab, Export to Microsoft Word and Export to Microsoft Excel in the 'Interferences of reinforcing bars' command has been fixed.

Version 2023.2 for Revit® 2023 & Version 2022.3 for Revit® 2022 & Version 2021.5 for Revit® 2021 & Version 2020.6 for Revit® 2020

Release – October 2022

Improvements

F1 key has been made functional in all the commands.

Defect fixes

- The following commands work in Revit 2023 only if the Revit 2023 hotfix 2023.0.20.21 is installed.
    - Continuous Footings
    - Parapets
    - Walls
    - Wall Corners

Version 2023.1 for Revit® 2023 & Version 2022.2 for Revit® 2022 & Version 2021.4 for Revit® 2021 & Version 2020.5 for Revit® 2020

Release – July 2022

Defect fixes

- A defect has been fixed in the 'Columns' command where the user was unable to apply reinforcement for the Circular columns.
- Another fix has been introduced for the 'Columns' command where the dowel length was calculated incorrectly in a specific case.

Version 2023.0 for Revit® 2023 & Version 2022.1 for Revit® 2022 & Version 2021.3 for Revit® 2021 & Version 2020.4 for Revit® 2020

Release – May 2022

Revit Support

CADS Rebar Extensions 2023.0 for Revit® supports Revit 2023.

CADS Rebar Extensions 2022.1 for Revit® supports Revit 2022. (Application will be installed only if Revit 2022 is available along with hotfix1 22.0.10.28)

CADS Rebar Extensions 2021.3 for Revit® supports Revit 2021.

CADS Rebar Extensions 2020.4 for Revit® supports Revit 2020.

Improvements and Defect fixes

- The Kicker height option is added to the 'Columns' command such that the reinforcement can start at a particular offset from the base of the column.
- The Anchorage option with the 'Beams' command is now enhanced such that the rebars are stopped at an offset before the end of the support.
- The Dowel length can be entered as a length value with the 'Columns' command in addition to the factor of diameter.
- A fix has been done with the Beams and Columns command, where the required reinforcement result tables were empty after importing from the Robot structural analysis.

Version 2022.0 for Revit® 2022 & Version 2021.2 for Revit® 2021 & Version 2020.3 for Revit® 2020

Release – August 2021

Revit Support

CADS Rebar Extensions 2022.0 for Revit® supports Revit 2022. (Application will be installed only if Revit 2022 is available along with hotfix1 22.0.10.28)

CADS Rebar Extensions 2021.2 for Revit® supports Revit 2021.

CADS Rebar Extensions 2020.3 for Revit® supports Revit 2020.

Improvements

- **Regenerate deleted rebar –** A configuration is provided whether to regenerate deleted rebar or not. Previously, deleted rebar always got regenerated**.**

Version 2021.1 for Revit® 2021 & Version 2020.2 for Revit® 2020 & 2019.2 for Revit® 2019

Release – December 2020

Revit Support

CADS Rebar Extensions 2021.1 for Revit® supports Revit 2021.

CADS Rebar Extensions 2020.2 for Revit® supports Revit 2020.

CADS Rebar Extensions 2019.2 for Revit® supports Revit 2019.

Improvements and Defect fixes

- CADS Rebar Extensions can be silently installed without user intervention during the installation.
- The dialog boxes in CADS Rebar Extensions have been updated to work with 4K monitors.

Version 2021.0 for Revit® 2021 & Version 2020.1 for Revit® 2020 & 2019.1 for Revit® 2019

Release – June 2020

Revit Support

CADS Rebar Extensions 2021.0 for Revit® supports Revit 2021.

CADS Rebar Extensions 2020.1 for Revit® supports Revit 2020.

CADS Rebar Extensions 2019.1 for Revit® supports Revit 2019.

Features

- **Option to use shape families in the project** – The user is provided with a configuration to use the shape families loaded in the project in addition to the database shape families.
- **Regional settings** – 'Preferences' window is now prompted once on running any command in a new project and the user can set the required region for that project to load the appropriate shape families based on the selected region.

Other improvements and defect fixes

- Free form rebars which did not work with the 'Interferences of Reinforcing Bars' command is now fixed.
- Fixed issues with the 'Beams' command in which the application hangs on setting the maximum length (if the length is not read from the database in the metric projects) and on changing the stirrup distribution type.

- A fix to the 'Automatic Generation' command in which the application crashes in a specific sequence with slab openings.

Version 2020.0 for Revit® 2020 & 2019.0 for Revit® 2019

Release – September 2019

Revit Support

CADS Rebar Extensions 2020.0 for Revit® supports Revit 2020.

CADS Rebar Extensions 2019.0 for Revit® supports Revit 2019.

Features

- The **Automatic Generation Tool** adds reinforcement to selected RC elements or all RC elements in a view (beams, columns, piles, etc.). The reinforcement is placed using default or predefined rules.
- The **Beams Reinforcement Tool** generates reinforcement for selected rectangular cross-section concrete beams. This tool will detail multi-span beams and allow the stirrups to be divided into distribution zones.
- **Columns Tool**, generate reinforcement for rectangular, L-shaped, T-section and circular concrete columns. Different stirrup arrangements can be selected to suit the main reinforcement.
- The **Continuous Footings Tool** adds reinforcement to a continuous footing under a wall. The cross section of the footing can be rectangular or trapezoidal. Reinforcement can be extended beyond the footing to connect with other foundations.
- Perform an analysis of rebar clashes in reinforced concrete elements in a structural model using the **Interferences of Reinforcing Bars Tool**. Any clashing rebar can easily be identified in the graphical viewer.
- The **Parapets Tool** supports several parapet cross-sections. If the parapet has a simple vertical cross-section the Walls Tool can be used as an alternative.
- Reinforce rectangular or triangular pile caps using the **Pile Caps Tool**. Reinforcement can be placed as a mat, limited to zones above the piles or a mixture of both.
- The **Piles Tool** generates reinforcement for a single pile or a group of piles of the same cross-section. Top bars penetrating into the pile cap can be included. Stirrups can be defined as spirals or stirrup bars.
- The **Retaining Walls Tool** generates reinforcement for straight walls, walls with varying thickness, inclined walls and walls with inclined footings. The retaining wall has to have a constant cross-section throughout its length.
- Add reinforcement to the corners of flat structural concrete slabs using the **Slab Corners Tool**. The reinforcement can be placed parallel or at an angle to the slab edges.
- The **Slab Openings Tool** generates reinforcement around an opening in the concrete slab. The opening has to be created using the Revit Openings Tools. Openings created using the Revit Slab Creation Tool are not supported. Options are available to add main bars, constructional bars and corner bars.

- Add reinforcement to rectangular or trapezoidal pad foundations using the **Spread Footings Tool**. The adjoining column can be a circular or rectangular concrete column or a steel column. Starter bars can be added to connect with the concrete column.
- The **Wall Corners Tool** generates reinforcement for wall corners, intersections and T junctions of structural concrete walls. The intersecting walls can have different thicknesses and heights. Several different bar arrangements are offered for each junction type.
- Generate reinforcement for rectilinear structural concrete walls using the **Walls Tool**. Use this tool to define distribution rebar, dowels and pins inside the wall. Rebar will be trimmed around any openings in the wall but will not add any opening reinforcement.
- Save the rebar layout for any of the supported structures to a **Reinforcement Parameters File**. Load this file to repeat the reinforcement layout.
- The **Dynamic Updating** option will ensure that rebar is automatically updated when the geometry concrete structural elements is amended.
- Selecting a structural concrete element with existing rebar displays the **User Defined Reinforcement** dialog for each of the supported concrete families.
- When a precast concrete structural element is selected an additional dialog is displayed - **Precast Elements**. The dialog will allow the addition of mounting parts to the concrete structure such as anchor plates and lifters.