

CADS RC/RebarCAD 2024.0

Service Pack Release Notes



GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES



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CADS RC/RebarCAD 2024.0 service packs

Thank you for upgrading to the latest version of **CADS RC/RebarCAD**.

These release notes summarize the enhancements and corrections that have been made for each service pack of the product.

CADS Detailing V2024.0 - SP7

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP7	21 Nov 2025	4923.7	CADS RC/RebarCAD

Updates

1. Bar Drawing/Edit Bar Label Data dialog

The Bar Drawing and the Edit Bar Label Data dialogs have been enhanced with increased width of the Release, Member and Drawing Sheet input fields.

2. Range improvements

A defect related to range text configuration when setting an empty value has been fixed.

3. Release improvements

An issue related to the sequencing of the releases created using the RC LISP API has been fixed.

4. New generation macros

Several enhancements and bug fixes have been implemented in the following macros:

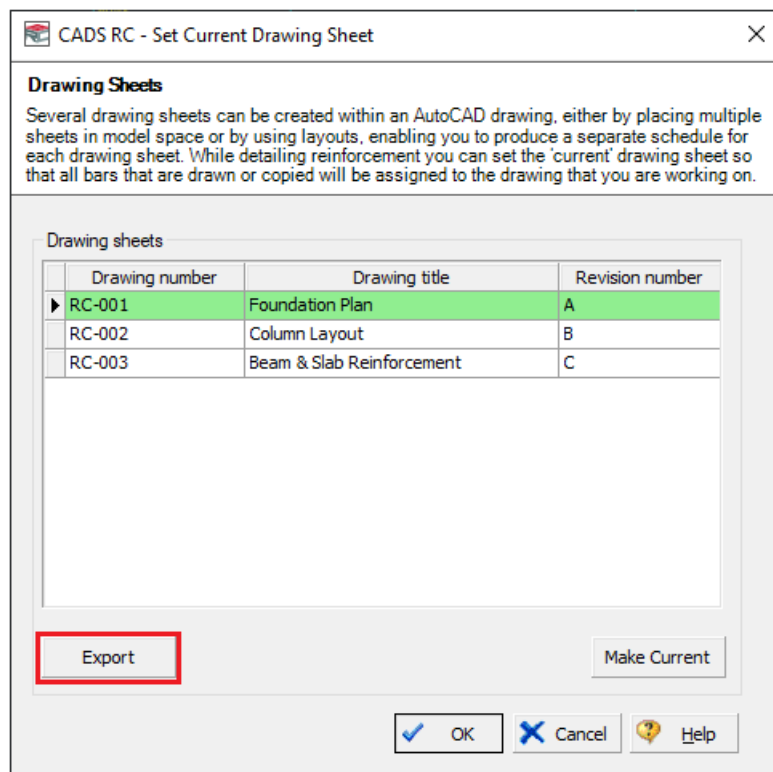
- ▶ Area Detailer;
- ▶ Add Bar Support.

5. Defect fixes

A defect in which the Global Configuration dialog displayed configurations with longer names incompletely has been resolved.

6. Drawing Sheet improvements

The Set Current Drawing Sheet dialog has been enhanced to allow exporting the Drawing Sheet data to a .csv file.



7. Bend type/Shape code/Detailing Standard improvements

RebarCAD:

The defect related to updating the A-leg dimension for bend type 14a in the USASTD has been resolved.

Support for the CRSI 2022 detailing standard has been introduced.

- ▶ Defaults file (.DEF);
 - USA2022.def (For Imperial)
 - USA2022SM.def (For Metric)
- ▶ Bar types and sizes file (.TXT);
 - USA2022TYPE.TXT (For Imperial)
 - USA2022TYPEM.TXT (For Metric)
- ▶ Bar bending data file (BBD.TXT);
 - USA2022BBD.TXT (For Imperial)
 - USA2022BBDM.TXT (For Metric)
- ▶ Bar definition file (.BDF) - USASTD2022.BDF;

- ▶ Slide library file (.SLB) - USASTD2022.SLB;

Support for the RSIC 2020 detailing standard has been introduced in RebarCAD.

- ▶ Defaults file (.DEF);
 - CANADAI2020.def (For Imperial)
 - CANADAM2020.def (For Metric)
- ▶ Bar list configuration file (.XML);
 - CANADAI2020_config.xml (For Imperial)
 - CANADAM2020_config.xml (For Metric)
- ▶ Bar types and sizes file (.TXT);
 - CANADAI2020TYPE.TXT (For Imperial)
 - CANADAM2020TYPE.TXT (For Metric)
- ▶ Bar bending data file (BBD.TXT);
 - CANADAI2020BBD.TXT (For Imperial)
 - CANADAM2020BBD.TXT (For Metric)
- ▶ Bar definition file (.BDF) - Canada2020.bdf;
- ▶ Slide library file (.SLB) - Canada2020.slb;
- ▶ Report template file (.REPX) - Canada2020.repx;
- ▶ Excel report template file (.XLTX) - Canada2020.xltx;
- ▶ Bar list on drawing template file (.XML) - Canada2020_ScheduleTemplate.xml;
- ▶ Bar list on drawing template drawing file (.DWG) - Canada2020_ScheduleTemplate.dwg.

CADS RC:

The following shape codes in the BS 8666:2005 & BS 8666:2020 detailing standards have been updated:

The shape codes 99126X, 99133X, 99343X, 99349A, 99648x, 99655, 99655A, 99665, 99666, 99667, 99668, 99669, 99670, 99671, 99672, 99673, 99674, 99675, 99676, 99677, 99678, 99679, 99680, 99681, 99682, 99683, 99684, 99685, 99686, 99687, 99688, 99689, 99690, 99691 & 99668x are now supported in the BS 8666:2005 and BS 8666:2020 detailing standards.

The following shape codes in the BS 8666:2005 & BS 8666:2020 detailing standards have been updated:

- ▶ Shape codes 51, 56, 64, 75 & T59901 to fix a bug in the no tick ends;
- ▶ Shape code T59903 to fix a bug in the total length value;
- ▶ Shape code 99301 to fix a bug in the total length value and the shape sketch;
- ▶ Shape codes 99121, 99122, 99123A, 99160, 99170, 99202, 99289, 99308 & 99379 to fix a bug in the side view;

- ▶ Shape code 99216 to support new views, leftx and rightx;
- ▶ Shape code 99260 to fix a bug in the coupler symbol;
- ▶ Shape code 99299 to fix a bug in the D dimension;
- ▶ Shape code 99300 to support gross length and nett length;
- ▶ Shape code 99486 & 99487 to fix a defect in reporting the gross length in the reports;
- ▶ Shape code 98 to fix a bug in the left and right views;
- ▶ Shape code 99481 to fix a bug in the tick and tag;
- ▶ Shape code 99497 to fix a bug in reporting the H leg dimension;
- ▶ Shape code 99116A has been removed, as its definitions are identical to those of 99116.

The following shape codes in the BS 8666:2020 detailing standard have been updated:

- ▶ Shape code 51 to fix a bug in the tolerance;
- ▶ Shape code 29 to fix a bug in E leg minimum dimension.

The shape sketches for the shape codes 99117, 99157, 99158, 99159, 99321, 99322, 99323, 99323A, 99325, 99652A, 99687, 99688, 99689, 99691, 99690, 99113, 99116, 99140, 99600, 99603 & 99604 in the BS 8666:2005 and BS 8666:2020 detailing standard have been updated.

The label sketches for the shape codes 99165 & 99343 in the BS 8666:2005 and BS 8666:2020 detailing standard have been updated.

The shape codes 99118, 99144, 99152, 99323, 99323A, 99648x, 99657, 99676, 99677, 99682 & 99683 are now supported in the SABS detailing standard.

RebarCAD India:

The shape sketches for shape codes 100, 110, 132, 157, 162, 151, 105, 155 in the IS : 2502 detailing standard have been updated.

8. CADS RC LISP API improvements

The following new LISP has been introduced.

- ▶ CADS_RCL_ORDER_RELEASE;

This command enables setting the ordered status of all bars associated with a specific release number to "Ordered". As a prerequisite, the bar list/schedule page must be kept open before executing this command.

Syntax:

(CADS_RCL_ORDER_RELEASE ReleaseNumber as string, UniqueOrderNumber as string, SubRelease as string)

Sample Code:

```
(CADS_RCL_ORDER_RELEASE "R1")
(CADS_RCL_ORDER_RELEASE "R2" "UON1")
(CADS_RCL_ORDER_RELEASE "R4" "UON1" "SR4")
```

Sample Program:

```
(defun C:OrderReleaseNumber ()  
  (CADS_RCL_ACAD_TOGGLE)  
  (CADS_RCL_ORDER_RELEASE "R4" "UON1" "SR4")  
  (CADS_RCL_ACAD_TOGGLE)  
)
```

► **CADS_RCL_UNORDER_RELEASE.**

This command enables setting the ordered status of all bars associated with a specific release number to “UnOrdered”. As a prerequisite, the bar list/schedule page must be kept open before executing this command.

Syntax:

```
(CADS_RCL_UNORDER_RELEASE ReleaseNumber as string, SubRelease as string)
```

Sample Code:

```
(CADS_RCL_UNORDER_RELEASE "R1")  
(CADS_RCL_UNORDER_RELEASE "R4" "SR4")
```

Sample Program:

```
(defun C:UnOrderReleaseNumber ()  
  (CADS_RCL_ACAD_TOGGLE)  
  (CADS_RCL_UNORDER_RELEASE "R4" "SR4")  
  (CADS_RCL_ACAD_TOGGLE)  
)
```

CADS Detailing V2024.0 - SP6

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP6	22 Apr 2025	4923.6	CADS RC/RebarCAD

Updates

1. Annotation

A bug that caused extra text to appear in the bar mark, even though it wasn't configured in the bar mark format, during a specific sequence has been fixed.

A bug that caused the next bar mark to display as 0 during a specific sequence has been fixed.

A bug where the bar reference format was not updated when changing the bar reference style has been fixed.

9. Range

A bug where adjusting the ends of multiple pitch ranges was not working as expected has been fixed.

A bug where modifications to hook dimensions made through the Range Edit dialog were not retained has been fixed.

A bug related to range text configuration when setting an empty value has been fixed.

10. Release

Enhancements have been made to

- ▶ Enable resizing of the Release dialog;
- ▶ Enable resizing of the Release Properties dialog.

11. Member

Enhancements have been made to enable resizing of the Member dialog.

12. Harris file output (.TSV)

An issue in the Harris (.TSV) output, occurring with certain combinations of bar mark and prefix, has been resolved.

13. Coupler

Enhancements have been made to enable updating coupler-related modifications for multiple bar sets simultaneously.

In RebarCAD, Lenton couplers have been enhanced to support form saver types for all available diameters.

In RebarCAD, BarSplice couplers have been updated to support the following new types:

- ▶ BARSPLICER COUPLER W/ OPTIONAL FLANGE;
- ▶ BARSPLICER COUPLER / POSITION COUPLER;
- ▶ BARSPLICER STRUCTURAL CONNECTOR;
- ▶ BARSPLICER DoughNut 5Ab;
- ▶ BARSPLICER DoughNut 10Ab;
- ▶ BPI FITT - 5Ab;
- ▶ BPI FITT - 10Ab;
- ▶ BPI FITT COUPLER;
- ▶ BPI FITT TRANSITION COUPLER;
- ▶ GRIP-TWIST POSITION SERIES;
- ▶ TTGT STRUCTURAL CONNECTOR;
- ▶ ZAP T-LOK.

In CADS RC, support for positional coupler types have been added to Halfen Moment.

In CADS RC, Ancon couplers have been updated to support the following new types:

- ▶ BT-S;
- ▶ CXL parallel thread.

In RebarCAD, Dayton coupler has been updated to support the Taper-Lock D350 End anchor type.

A bug causing the coupler label to appear in an incorrect position when adding a coupler in a section view has been fixed.

A bug related to the scaled diagram in the Coupler dialog, where straight bars with 0 length were displayed incorrectly, has been fixed.

14. Bar list/Schedule

Enhancements have been made to the bar list/schedule to support a new field for coupler data.

15. Bend type/Shape code

The Special Bar Creator tool has been enhanced to support hook options when accessed through the Draw Bar dialog.

The following new shape codes are now supported in the BS 8666:2005 and BS 8666:2020 detailing standards:

- ▶ 99133X;
- ▶ 99675.

The shape code 29 in the BS 8666:2020 detailing standards has been updated to fix a bug in E leg minimum dimension.

- ▶ 29;

The following new shape codes are now supported in the SABS detailing standard:

- ▶ 99118;
- ▶ 99144;
- ▶ 99152;
- ▶ 99323;
- ▶ 99323A.

16. Select Bars/Highlight Bars

The Select Bars and Highlight Bars dialogs have been enhanced to include a new field for the Billing Code.

17. RC LISP API improvements

A bug where the bar list/schedule didn't report the total number of bars for a specific sequence has been fixed.

A new RC LISP API, CADS_RCL_UPCCNUMHIDMULT, has been introduced to set the hidden multiplier. This function helps to update the Centre to Centre spacing, number of bars, multiplier & hidden multiplier.

Syntax:

(CADS_RCL_UPCCNUMHIDMULT BarName as EntityName, CCSpacing as real, NumberOfBars as integer, Multiplier as integer, HiddenMultiplier as integer)

Sample Code:

(CADS_RCL_UPCCNUMHIDMULT Barename 100 10 5 2)

Sample Program:

```
(defun C:UpCCNumHidMult ()
  (CADS_RCL_ACAD_TOGGLE)
  (setq Barename (cdr (car (entget (car (entsel "Select an existing Rc Object :")))))
    CCValue (getreal "\nEnter new C/C Spacing ")
    NoBars (getint "\nEnter the number of bars: ")
    multi (getint "\nEnter the number of Multiplier: ")
    hiddenmulti (getint "\nEnter the Hidden Multiplier: ")
  )
  (CADS_RCL_UPCCNUMHIDMULT Barename CCValue nobars multi
    hiddenmulti)
  (CADS_RCL_ACAD_TOGGLE)
)
```

18. New generation macros

Several enhancements and bug fixes have been implemented in the following macros:

- ▶ Area Detailer;
- ▶ Split Range;
- ▶ Radial Bar Detailer;
- ▶ Change Range Type;
- ▶ Trim Openings;
- ▶ Share Range Line.

19. Defect fixes

A bug that caused the product to show an unlicensed warning at a specific sequence, even when the internet was connected, has been fixed.

A bug that caused the product to show an unlicensed warning at a specific sequence, after sleep and hibernate mode, has been fixed.

A bug related to cloud licensing and interval limits at a specific sequence has been fixed.

An issue causing a database corruption warning to appear in a new drawing under certain conditions has been resolved.

An issue causing database corruption when changing the range type to 'Dimension Line' through multiple selection has been resolved.

Fixed an issue where the check database command did not resolve release mismatches at specific sequences.

CADS Detailing V2024.0 - SP5

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP5	07 Nov 2024	4923.5	CADS RC/RebarCAD

Updates

1. Annotation improvements

Enhancements have been made to support multiple formats for various bar references within a drawing.

20. Release improvements

Enhancements have been made to automatically set the value of the 'Release Description' field in the Release dialog based on the value entered in the 'Release Description Line 1' field in the Release Properties dialog, according to the barlist configuration settings.

A bug that prevented the warning message for the release description from being shown at a specific sequence has been fixed.

A bug that caused an incorrect ordered date to be set for a release at a specific sequence has been fixed.

21. Coupler improvements

Enhancements have been made to ensure that coupler data is attached to copied bars when using AutoCAD's COPY & PASTE commands.

Enhancements have been made to set the rotation angle for the coupler text for bars attached with coupler data.

Enhancements have been made to allow copying and pasting of bars with attached coupler data across drawings.

A bug that occurred when adding a section view for a bar with attached couplers at a specific sequence has been fixed.

A bug in the CADs Scale environment that caused incorrect scaling of the coupler label text in a specific sequence has been fixed.

A bug in the CADS Viewport Manager environment that caused incorrect scaling of the coupler label text in a specific sequence has been fixed.

22. Bend type/Shape code improvements

A bug related to the bent type/shape code not being validated for case insensitivity has been fixed.

A new RC API, `set_rc_config`, has been introduced to allow the setting of Gconfig values through the BDF code, resolving an issue with the bend type T3.

A bug that prevented the warning message from appearing when adding a view with the updated D leg dimension in bend type 17 has been fixed.

23. RC LISP API improvements

The existing RC LISP API, `CADS_RCL_UPCCNUM`, has been enhanced to set the hidden multiplier.

A new RC LISP API has been introduced to retrieve all dimensions of a bar.

A bug related to the LISP API, `CADS_RCL_LABEL_BAR`, which was causing duplicate labels to be created at a specific sequence, has been fixed.

24. New generation macros

Several enhancements have been made to the new generation Area Detailer macro.

25. Defect fixes

A bug related to the Windows 11 24H2 upgrade has been fixed.

A bug related to the bar mark not being updated according to the appropriate format at a specific sequence has been fixed.

A bug related to delay in double opening a drawing configured with a larger size BDF file has been fixed.

A bug related to installing the service pack for a product in a folder other than the default folder has been fixed.

CADS Detailing V2024.0 - SP4

Service Pack Name	Release Date	Build number	Remarks
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CADS Detailing V2024.0 - SP4	07 Jun 2024	4923.4	CADS RC/RebarCAD
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Updates

- ▶ Enhancements have been made to log the actions related to licensing checking and product initialization related workflows;
- ▶ Enhancements have been made for the automatic file management of action and error logs;
- ▶ Enhancements have been made to allow resizing of the Order Materials dialog;
- ▶ Enhancements have been made to configure range text for single indicator range;
- ▶ A bug related to setting the bar grades on importing pile cap designer jobs in pile cap detailer has been fixed;
- ▶ A bug related to the range line drawn incorrectly for double indicator taper range for bent bars has been fixed;
- ▶ A bug related to bar reference when a space is used between the tags and the Draw Dimension Label/Leaders option is enabled has been fixed;
- ▶ Enhancements have been made in Lenton coupler to support A12 transitional coupler type and P9 & P14 Position/Transition couplers;
- ▶ A bug related to schedule/bar list reporting blank values for some fields at a specific sequence has been fixed;
- ▶ A bug related to a warning message in the Order Materials dialog has been fixed;
- ▶ A bug related to the note value not retaining in the bar label using LISP API has been fixed;
- ▶ A bug related to assigning a coupler to a bar with 0 quantity has been fixed;
- ▶ A bug related to PDF Export at a specific sequence has been fixed;
- ▶ A bug related to updating the value of the DisplayEandRDimsInSingleField field has been fixed.

CADS Detailing V2024.0 - SP3

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP3	15 Mar 2024	4923.3	CADS RC/RebarCAD

Updates

- ▶ Enhancements have been made to retain the coupler data in the accessories list and the bar list, after deleting the views or coupler symbols of the bars attached with couplers;
- ▶ Enhancements have been made to support the %UserName% in the configurations related to filenames;
- ▶ Enhancements have been made to configure the maximum character limit for release description in the release dialog;
- ▶ Enhancements have been made to configure the layer name for the layout created using the CADS_VPM_CREATE_LAYOUT command;
- ▶ A bug related to refreshing the accessories list, when the coupler data file is missing has been fixed;
- ▶ A bug related to refreshing the accessories list at a particular sequence, when using the CADS_RC_REDRAW command has been fixed;
- ▶ A bug related to updating the coupler data on changing the size of the bar has been fixed;
- ▶ A bug related to release description not getting reported on the bar list on drawing, when sub release exists for a release, has been fixed;
- ▶ A bug related to seismic flag in the Draw/Edit bar dialog getting turned ON always has been fixed;
- ▶ A bug related to the hook options in the Draw/Edit bar dialog getting disabled at a particular sequence has been fixed;
- ▶ A bug related to default hook options in the Draw/Edit bar dialog has been fixed.

CADS Detailing V2024.0 - SP2

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP2	10 Nov 2023	4923.2	CADS RC/RebarCAD

Updates

- ▶ Enhancements have been made in the Release Properties dialog to configure the maximum length and the mapping field for the default value of Release Description;
- ▶ A new bar mark format for straight bars with end treatment has been introduced;
- ▶ A new tag format for straight bars with end treatment has been introduced;
- ▶ A bug related to bar mark getting updated at a specific sequence has been fixed;
- ▶ A bug related to release weight, when sub releases are assigned to releases has been fixed.

CADS Detailing V2024.0 - SP1

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2024.0 - SP1	10 Oct 2023	4923.1	CADS RC/RebarCAD

Updates

- ▶ Support special symbols -\$#* in the bar mark and prefix;
- ▶ Support LISP enquiry function to retrieve the Bid Item of the the couplers attached with the bar set;
- ▶ Bug fix to remove the entries related to 'ACTIVITYINSIGHTPATH' in the profile template for AutoCAD 2024;
- ▶ Bug fix to retain the the release properties at a specific sequence;
- ▶ Bug fix related to retaining the appropriate value set for the seismic hooks.