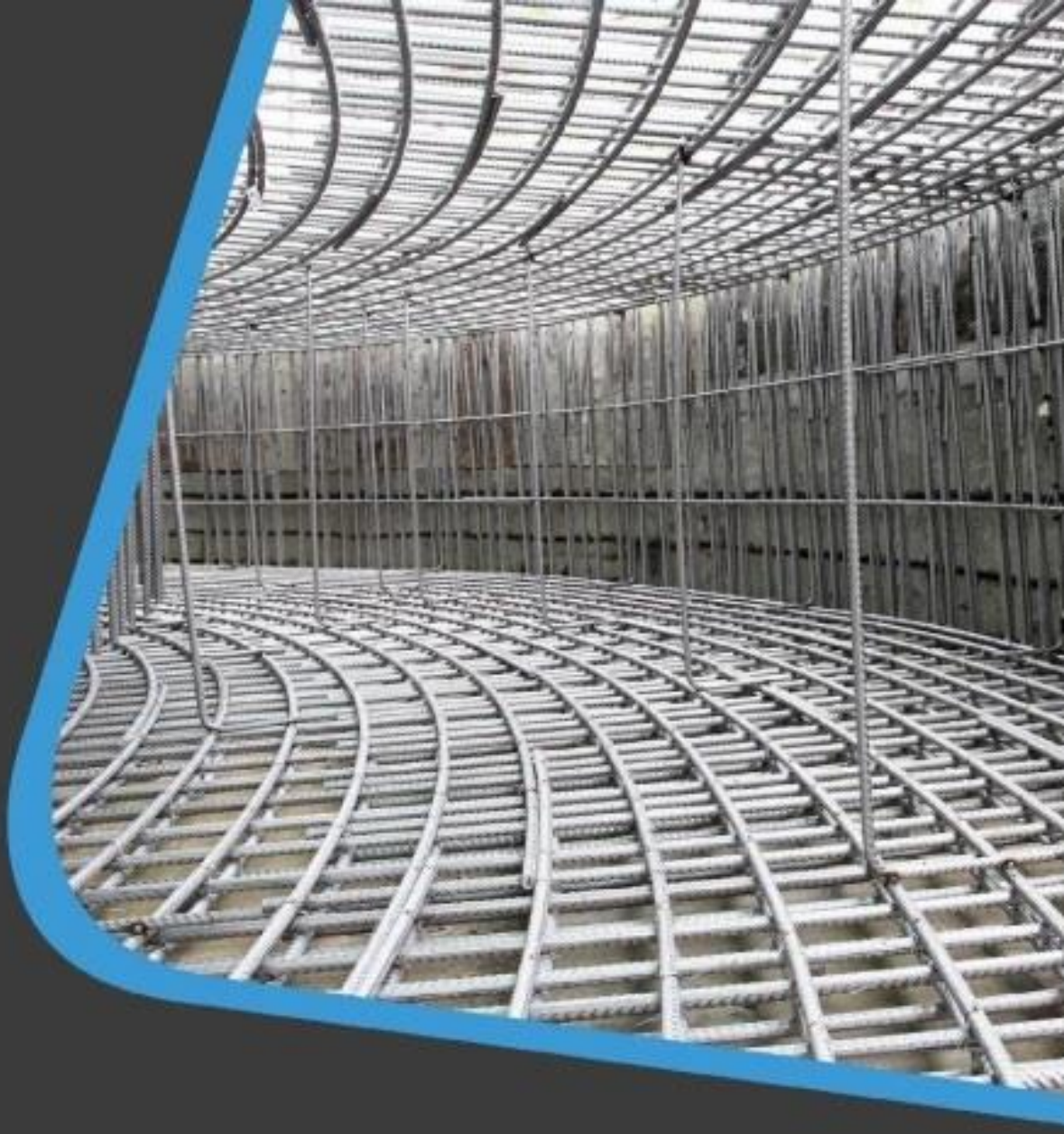


CADS RC/RebarCAD 2025.0
Service Pack Release Notes

CADS
GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES

AUTODESK
Authorised Developer

Microsoft
Partner

Contents

CADS RC/RebarCAD 2025.0 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 V2025.0 - SP3

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2025.0 - SP3	09 Jan 2026	5082.3	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.

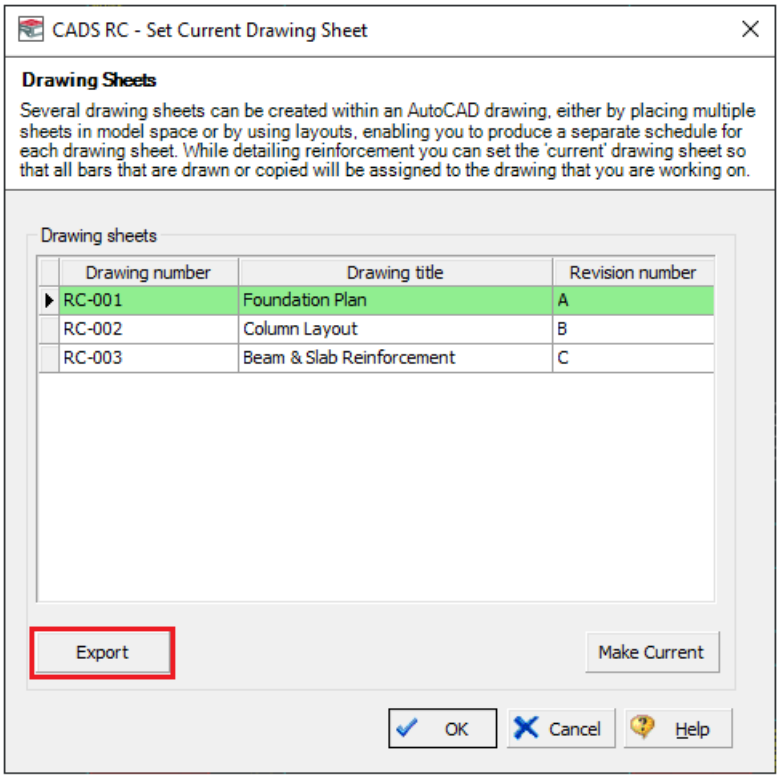
3. New generation macros

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

   - Area Detailer;
   - Add Bar Support.

4. Drawing Sheet improvements

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



5. 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.

- 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 99655, 99655A, 99665, 99666, 99667, 99668, 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 code 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, 99289, 99308, 99309 & 99379 to fix a bug in the side view;
- Shape code 99486 & 99487 to fix a defect in reporting the gross length in the reports;
- Shape code 99481 to fix a bug in the tick and tag;

- Shape code 99116A has been removed, as its definitions are identical to those of 99116.

The shape sketches for the shape codes 99117, 99157, 99158, 99159, 99321, 99322, 99323, 99323A, 99325, 99652A, 99687, 99688, 99689, 99691, 99690, 99113, 99116, 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 99682 & 99683 are now supported in the SABS and the BS 4466 detailing standards.

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.

6. 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)
)
```

7. Defect fixes

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

A defect causing the application to crash when processing both primary and secondary BDF files in a specific sequence has been resolved.

A defect affecting the detailing macros when installed on Windows 11 (version 24H2) has been resolved.

A defect related to DEF files missing from the ProgramData location has been resolved.

CADS Detailing V2025.0 - SP2

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2025.0 - SP2	28 May 2025	5082.2	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.

2. 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.

3. Release

   Enhancements have been made to

   - Enable resizing of the Release dialog;
   - Enable resizing of the Release Properties dialog;
   - Reset Release dialog position to its default location.

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

4. Member

   Enhancements have been made to

   - Enable resizing of the Member dialog;
   - Reset Member dialog position to its default location.

5. Harris file output (.TSV)

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

6. 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;
   - Support P9 transition position coupler.

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

   In CADS RC, Halfen Moment couplers have been updated to support positional coupler types.

   In CADS RC, Ancon couplers have been updated to support BT-S 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.

7. Bar list/Schedule

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

8. 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:

   - 99126X;
   - 99133X;
   - 99343X;
   - 99349A;
   - 99648x;
   - 99669;
   - 99670;
   - 99671;
   - 99672
   - 99673;
   - 99674;
   - 99675;
   - 99676;
   - 99677;
   - 99678;
   - 99679;
   - 99680;
   - 99681;
   - 99682;
   - 99683;
   - 99684;
   - 99685;
   - 99686.

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

- Shape codes 51, 56, 64 & 75 to fix a bug in the no tick ends;
- Shape codes 99202 & 99170 to fix a bug in the side view;
- Shape code 99140 to fix a bug in the shape diagram;
- 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 98 to fix a bug in the left and right views.

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

- 99118;
- 99144;
- 99152;
- 99323;
- 99323A;
- 99648x;
- 99657;
- 99676;
- 99677.

In CADS RC, support has been added for a new Types file, BS8666-2020TYPEX.

9. Select Bars/Highlight Bars

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

10. 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 BarEname 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)
)
```

11. 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.

12. 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 V2025.0 - SP1

Service Pack Name	Release Date	Build number	Remarks
CADS Detailing V2025.0 - SP1	17 Jan 2025	5082.1	CADS RC/RebarCAD

Updates

13. Annotation improvements

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

14. 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.

15. 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.

16. 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.

17. 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.

18. New generation macros

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

19. 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.