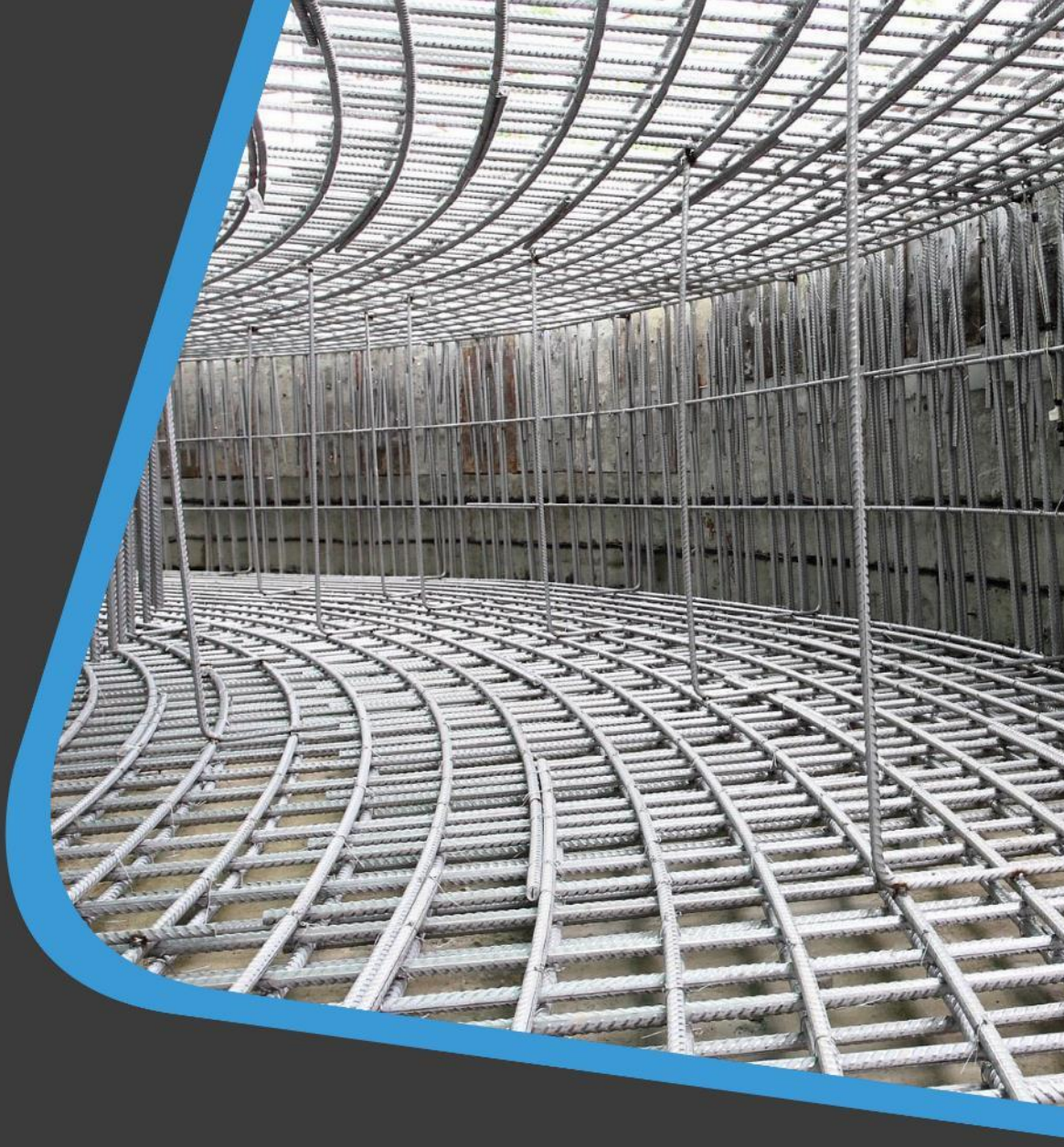


CADS RC
Excel Template Creation Manual

CADS
GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES

AUTODESK
Authorised Developer

Microsoft
Partner

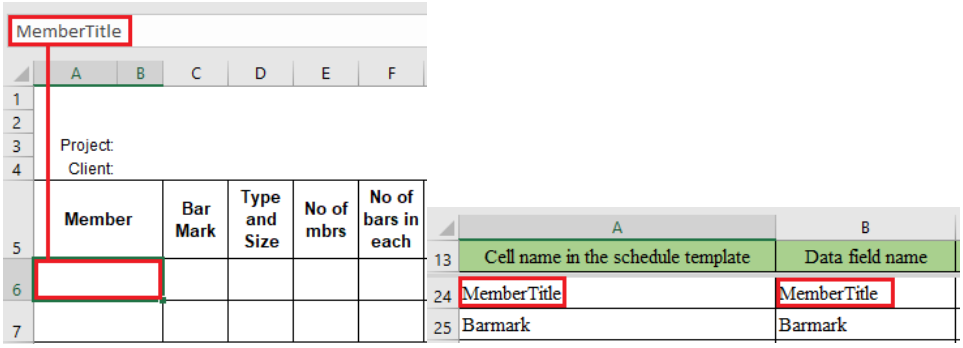
Contents

1 Introduction

This manual explains how to create your own custom Excel Schedule Template for CADS RC v2021 or higher.
You will need to have MS Office v2010 or higher installed in order to edit the Excel Template.

2 Customising the Excel Schedule Template

The Excel output routine in CADS RC reads the data from the Schedule Dialog and prints this data in the appropriate Excel cell.
For example, the Member assigned in CADS RC to the rebar in the drawing will be printed in the Member data cell in Excel.



The default Excel Templates shipped with CADS RC are stored in subfolders under the "C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates" folder.

Schedule Report folder

BS4466 - Dimensioned Sketches
BS4466
BS8666 - 2000 - Dimensioned Sketches
BS8666 – 2000
BS8666-2005 Dimensioned sketches
BS8666-2005
BS8666-2005-Uniclass
BS8666-2020
SS

Weight Report folder

Weight Report by All Scheduled Bars
Weight Report by All Scheduled Bars with Release Column
Weight Report by Drawing Sheet
Weight Report by Drawing Sheet with Release Column
Weight Report by Member
Weight Report by Member with Release Column
Weight Report by Release

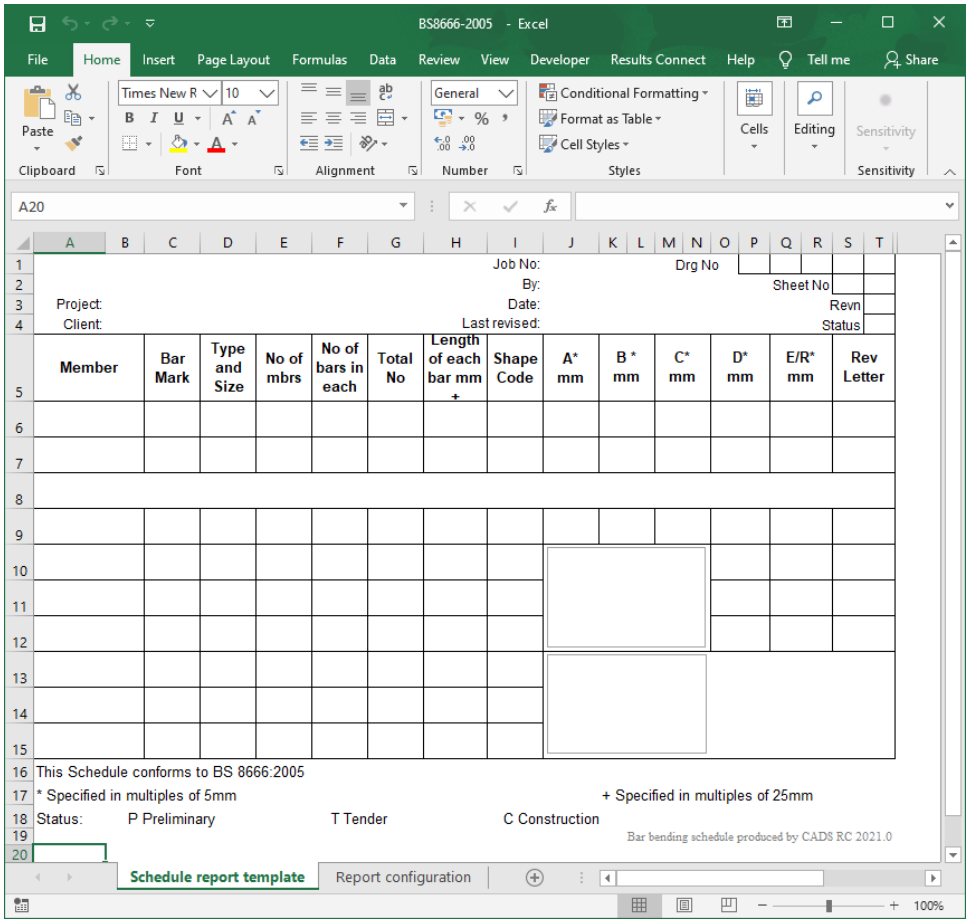
Weight Summary Report folder

Weight Summary by Drawing Sheet
Weight Summary by Member
Weight Summary by Release Status
Weight Summary by Release Type Size
Weight Summary by Release
Weight Summary by Shape Category
Weight Summary by Shape Code
Weight Summary by Type Size

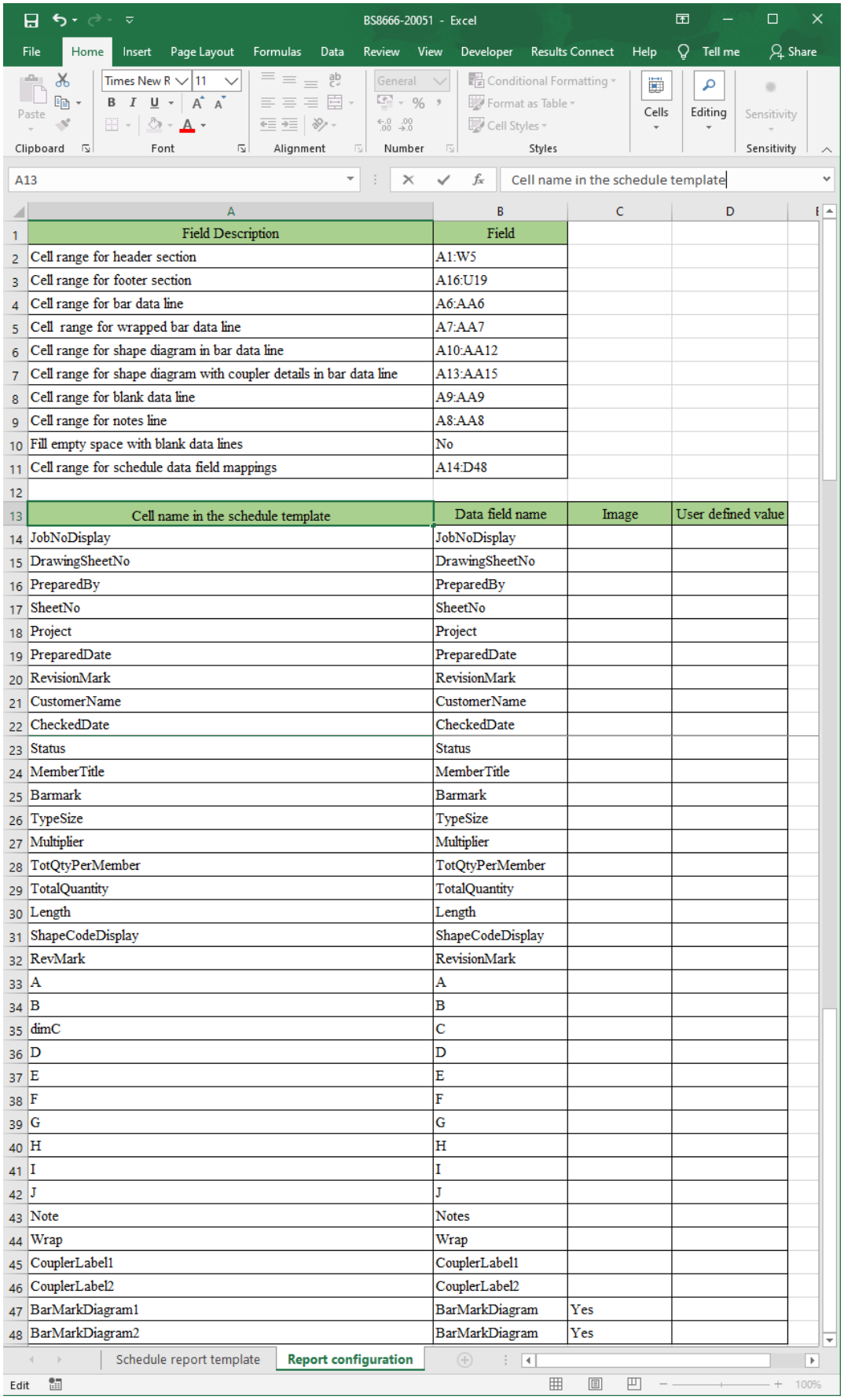
Others folder

Contemporary BS8666-2005 with Alternative Header
Contemporary BS8666-2005 with Company Banner
Contemporary BS8666-2005 with Company Footer
Contemporary BS8666-2005 with Logo on Right of Page
Contemporary BS8666-2005 with Revision Table
Contemporary BS8666-2005 with Weight Column
Contemporary BS8666-2005 without header
Contemporary BS8666-2005

Each template consists of two tabs, the first tab is the graphical layout of the schedule and the second tab describes the supported fields in the first tab using Keywords.
Carry out the steps described in the following sections to create a custom schedule template.



Schedule Report Template



BS8666-20051 - Excel

File Home Insert Page Layout Formulas Data Review View Developer Results Connect Help Tell me Share

Clipboard Font Alignment Number Styles Sensitivity

A13 | Cell name in the schedule template

	A	B	C	D
1	Field Description	Field		
2	Cell range for header section	A1:W5		
3	Cell range for footer section	A16:U19		
4	Cell range for bar data line	A6:AA6		
5	Cell range for wrapped bar data line	A7:AA7		
6	Cell range for shape diagram in bar data line	A10:AA12		
7	Cell range for shape diagram with coupler details in bar data line	A13:AA15		
8	Cell range for blank data line	A9:AA9		
9	Cell range for notes line	A8:AA8		
10	Fill empty space with blank data lines	No		
11	Cell range for schedule data field mappings	A14:D48		
12				
13	Cell name in the schedule template	Data field name	Image	User defined value
14	JobNoDisplay	JobNoDisplay		
15	DrawingSheetNo	DrawingSheetNo		
16	PreparedBy	PreparedBy		
17	SheetNo	SheetNo		
18	Project	Project		
19	PreparedDate	PreparedDate		
20	RevisionMark	RevisionMark		
21	CustomerName	CustomerName		
22	CheckedDate	CheckedDate		
23	Status	Status		
24	MemberTitle	MemberTitle		
25	Barmark	Barmark		
26	TypeSize	TypeSize		
27	Multiplier	Multiplier		
28	TotQtyPerMember	TotQtyPerMember		
29	TotalQuantity	TotalQuantity		
30	Length	Length		
31	ShapeCodeDisplay	ShapeCodeDisplay		
32	RevMark	RevisionMark		
33	A	A		
34	B	B		
35	dimC	C		
36	D	D		
37	E	E		
38	F	F		
39	G	G		
40	H	H		
41	I	I		
42	J	J		
43	Note	Notes		
44	Wrap	Wrap		
45	CouplerLabel1	CouplerLabel1		
46	CouplerLabel2	CouplerLabel2		
47	BarMarkDiagram1	BarMarkDiagram	Yes	
48	BarMarkDiagram2	BarMarkDiagram	Yes	

Schedule report template | Report configuration

Edit

Report Configuration Tab

3 Create an Excel Schedule Report Template

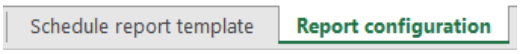
Create a new Excel report template by following the procedure below:

1. Launch the 'Excel' application;
2. Open a new workbook, select the File pull down menu – New - Blank workbook' to create a new Excel workbook.
3. Immediately save the workbook to the "*C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Schedule Report*" folder. Select the File pull down menu - Save As, set the '*Save as type'* as '*Excel Template (.xltx)*' and then type in an appropriate filename to save the Excel template.

The Excel report templates comprises of the following two worksheets:

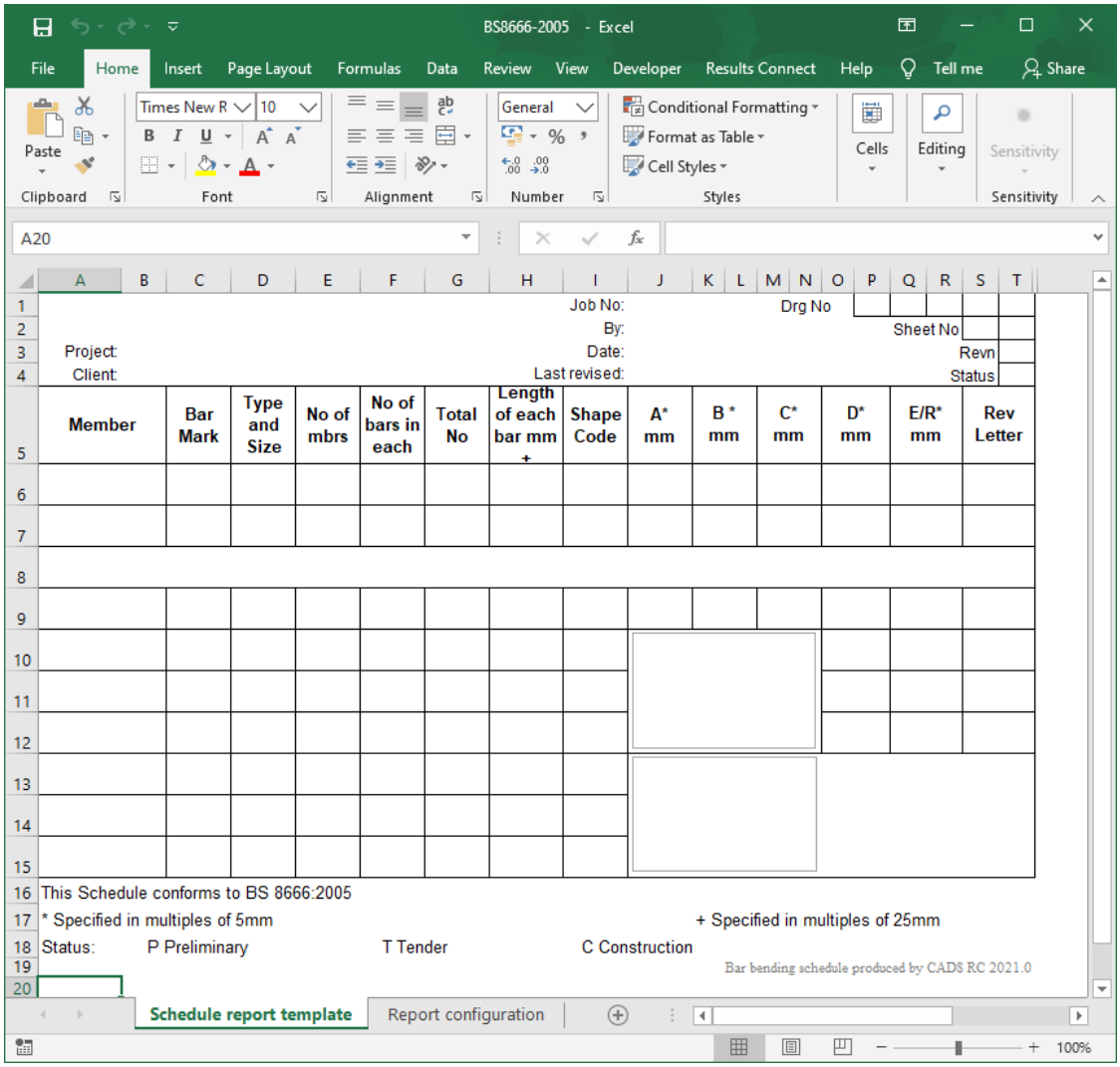
- **Schedule report template**.
  Create a new worksheet for the schedule layout view, by renaming the default worksheet 'Sheet1' as *Schedule report template*.

- **Report configuration**.
  Create a new worksheet with the name 'Report configuration' this is the tab where all the fields in the Schedule are mapped to fields from the CADS RC drawing and Title Block.
  Right click on the Schedule Report tab and select Insert…
  Select Worksheet from the Insert dialog and click OK.
  Right Click on the Tab and select Rename, change the worksheet name to *Report configuration*.



3.1 Create the graphical layout of the template

On the Schedule report template Tab, create the graphical layout of the schedule template based on your standard office layout. An example of the default CADS RC BS8666 Schedule is shown below;

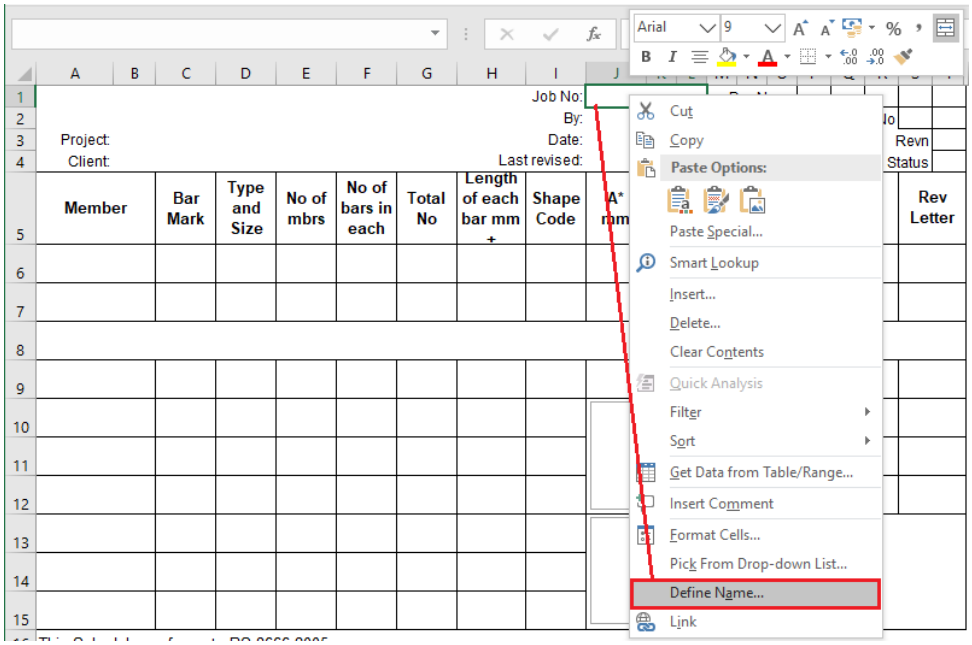


3.2 Naming the cells in the report template

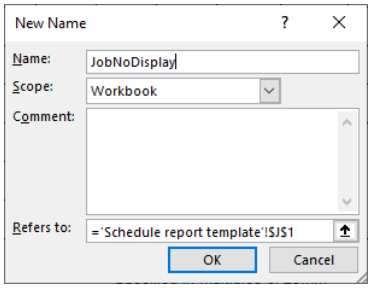
Keywords need assigning to cells in the Schedule Report to receive schedule data exported from the Schedule dialog inside CADS RC. This next section describes how to define the keywords inside the Excel Template.

The example below describes how to define a keyword for the Job No data cell using the default template.

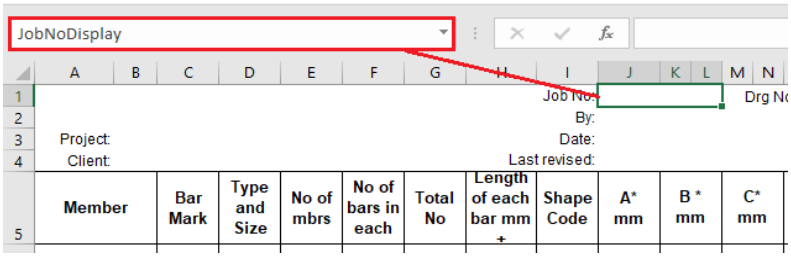
1. Go to the Schedule report template tab.
2. Click into Cell J/K/L1 (on your template select the cell for the Job No data).
3. Right mouse click to display the pop-up menu.
4. Select the Define Name command.



5. The New Name dialog is displayed.
6. Type in “JobNoDisplay” into the Name field, this is a keyword that the export routine is programmed to recognise.

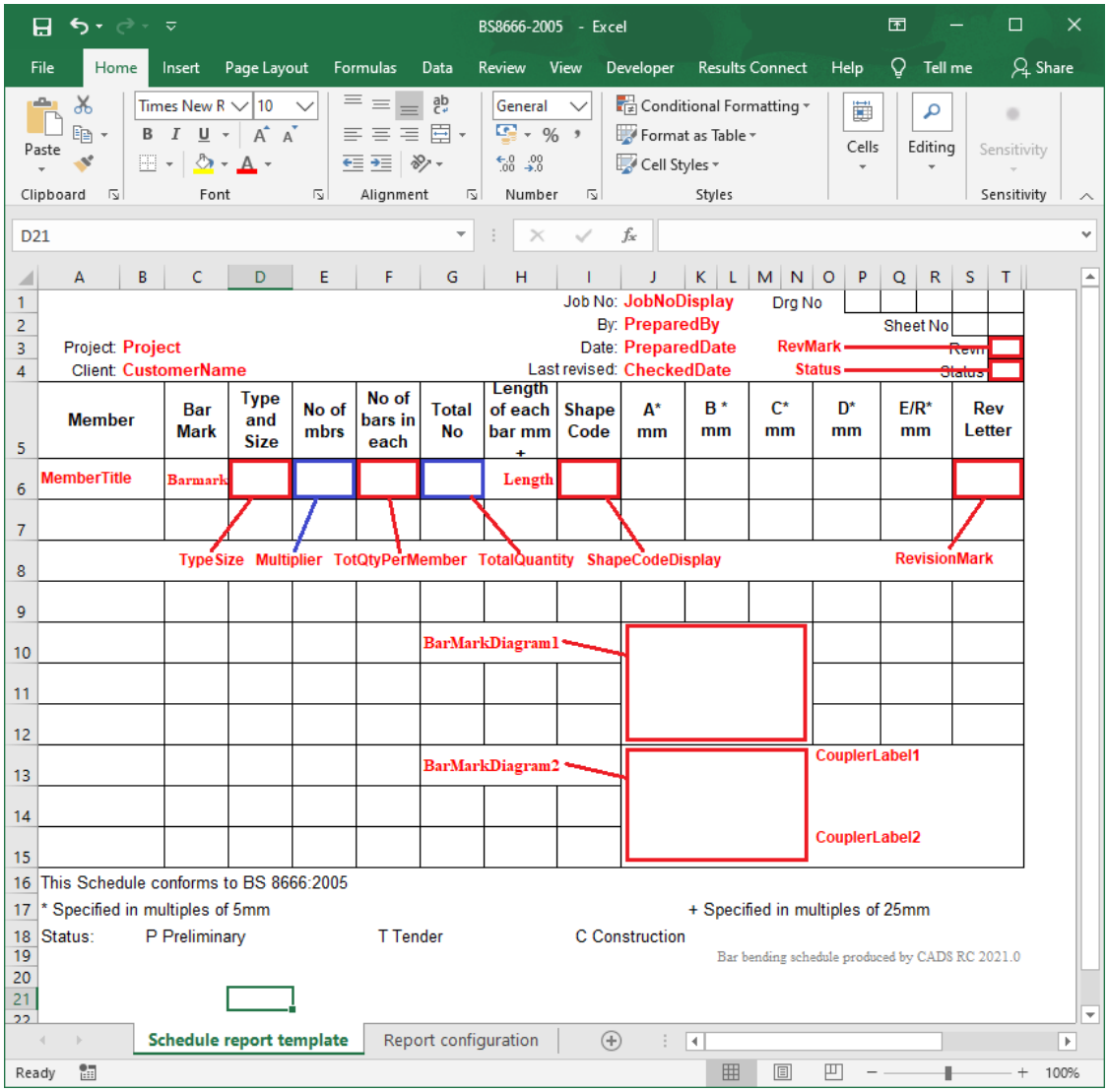


7. Leave the scope set to Workbook.
8. Refers to: displays the selected cell address
9. Click OK.
10. The JobNoDisplay keyword is displayed in the dropdown menu as shown below;

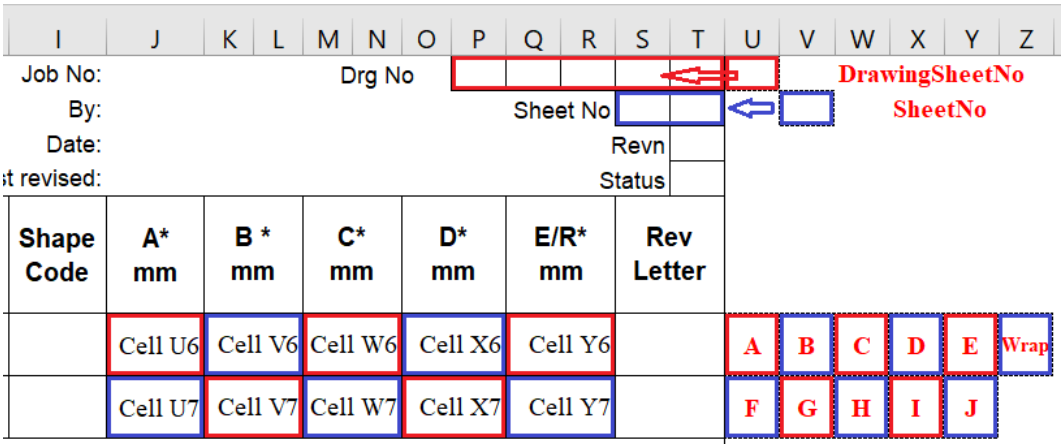


11. Please refer to Section 8 for the Keyword Definitions.
12. Continue defining the Keywords for all the data areas in the schedule report.

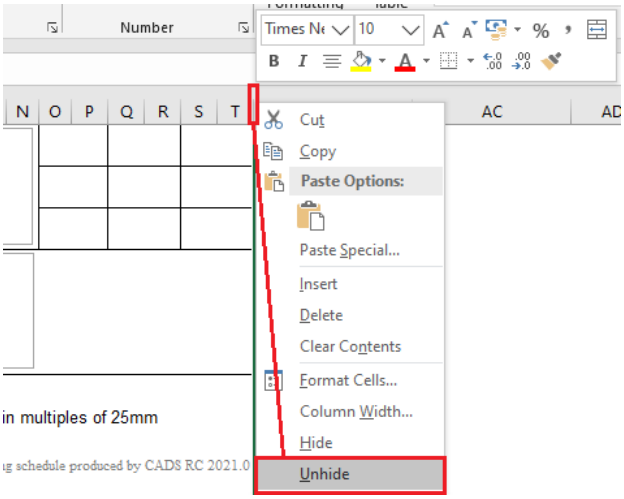
The diagram below illustrates the keywords defined in the CADS RC BS8666 Schedule Template for the Schedule Report Template Tab.



The Drawing Number, Sheet No and Bar Dimensions are defined as follows;



To reveal columns U to Z in the BS8666-2005.xltx file, right mouse click on the column heading and select Unhide.



Cells P1 to T1 contain (IF) statements to split the Drawing Sheet No into separate cells.

For example *=IFERROR((MID(U1,(LEN(U1)-4),1)),"")*

Cells S2 toT2 contain (MID) statements to split the Sheet Number into separate cells.

For example *MID(U2,1,1)*

Cells J6 to R8 contain (IF) statements to display the Bar Leg Dimensions where Z6 contains the keyword "Wrap".

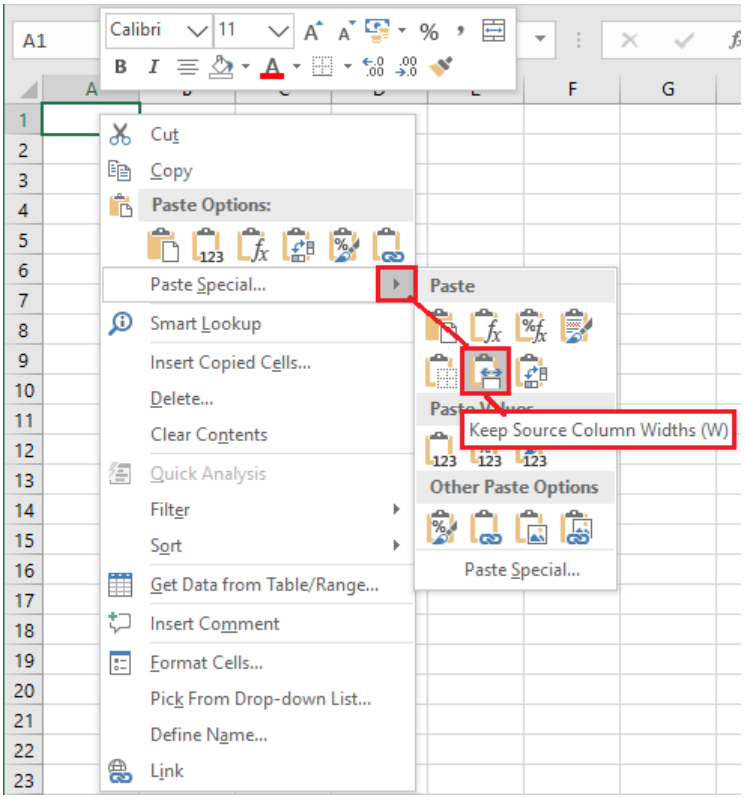
For example Dim A *=IF(TRIM(U6)<>"",IF(Z6="TRUE","A="&U6,U6),"")*

3.3 Report Configuration Tab

The simplest way to reproduce the Report Configuration is to copy and paste from the CADS RC Default Schedule Template.

The template is located in the "C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Schedule Report" folder.

1. Click on the Report Configuration Tab in your Schedule Template.
2. Open the default CADS RC Schedule Template, "BS8666-2005.xltx".
3. Go to the Report Configuration Tab.
4. Highlight Cell A1 to Cell D48.
5. Select the Copy option from the Home Tab.
6. Return to your Schedule Template.
7. Click into Cell A1 and select Paste (Keep Source Column Widths).



8. The next stage is to define the Keywords for the Cell Ranges in the Report Configuration.
9. To define the Cell range for the Header Section click into cell B2. Right mouse click and select Define Name.
10. Enter the name AddressRangeForHeader. Leave the scope set to Workbook. Refers to: displays the selected cell address.
11. Click OK.
12. Repeat this procedure for cells B3 to B11 with the Keywords shown in the diagram below, these are also defined in Section 8.

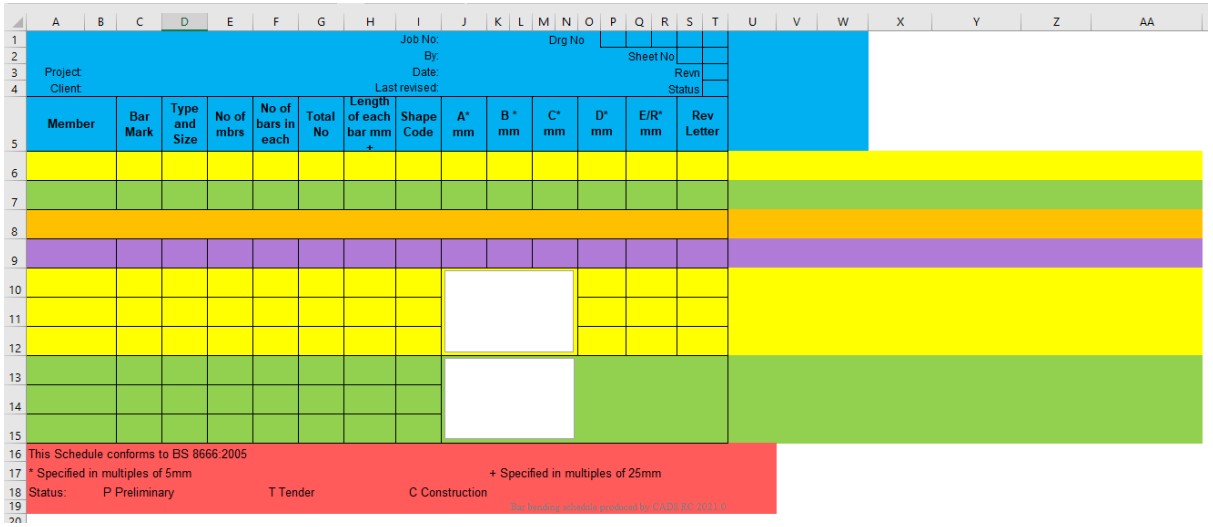
	A	B	C
1	Field Description	Field	Keywords
2	Cell range for header section	A1:W5	B2 : AddressRangeForHeader
3	Cell range for footer section	A16:U19	B3 : AddressRangeForFooter
4	Cell range for bar data line	A6:AA6	B4 : AddressRangeForData
5	Cell range for wrapped bar data line	A7:AA7	B5 : AddressRangeForDataWrappedLine
6	Cell range for shape diagram in bar data line	A10:AA12	B6 : AddressRangePictureCellsForData
7	Cell range for shape diagram with coupler details in bar data line	A13:AA15	B7 : AddressRangeForPictureCellsWithCouplerForData
8	Cell range for blank data line	A9:AA9	B8 : AddressRangeForBlankRow
9	Cell range for notes line	A8:AA8	B9 : AddressRangeForNotes
10	Fill empty space with blank data lines	No	B10 : FillEmptySpace
11	Cell range for schedule data field mappings	A14:D48	B11 : AddressRangeForScheduleMappings

13. None of the other cells in the Report Configuration Tab need keywords defining.

3.4 Defining the Cell Ranges

The final step is to define the cell ranges that form the schedule.
The coloured areas in the diagrams below indicate the cell ranges in the Schedule Report Template and the related Field in the Report Configuration.

Type in the cell allocations from the Schedule Report Template for each section in the Report Configuration Tab. The cells allocated in the Default schedule template are shown in the Report Configuration diagram below.



	A	B	C
1	Field Description	Field	Keywords
2	Cell range for header section	A1:W5	**B2 : AddressRangeForHeader**
3	Cell range for footer section	A16:U19	**B3 : AddressRangeForFooter**
4	Cell range for bar data line	A6:AA6	**B4 : AddressRangeForData**
5	Cell range for wrapped bar data line	A7:AA7	**B5 : AddressRangeForDataWrappedLine**
6	Cell range for shape diagram in bar data line	A10:AA12	**B6 : AddressRangePictureCellsForData**
7	Cell range for shape diagram with coupler details in bar data line	A13:AA15	**B7 : AddressRangeForPictureCellsWithCouplerForData**
8	Cell range for blank data line	A9:AA9	**B8 : AddressRangeForBlankRow**
9	Cell range for notes line	A8:AA8	**B9 : AddressRangeForNotes**
10	Fill empty space with blank data lines	No	**B10 : FillEmptySpace**
11	Cell range for schedule data field mappings	A14:D48	**B11 : AddressRangeForScheduleMappings**

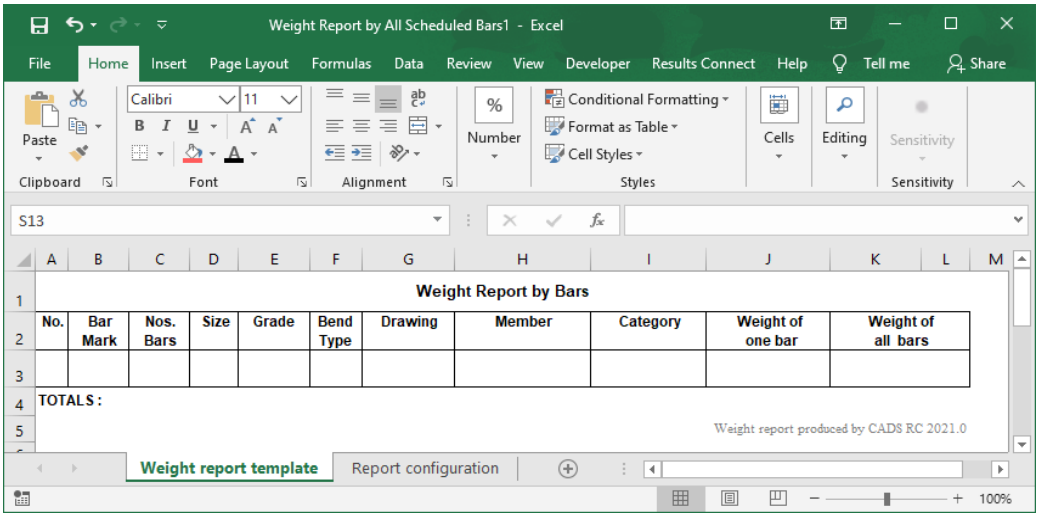
If the Page Number is to be displayed in a different position than the Header Section, say the Footer change B10 to reflect this.

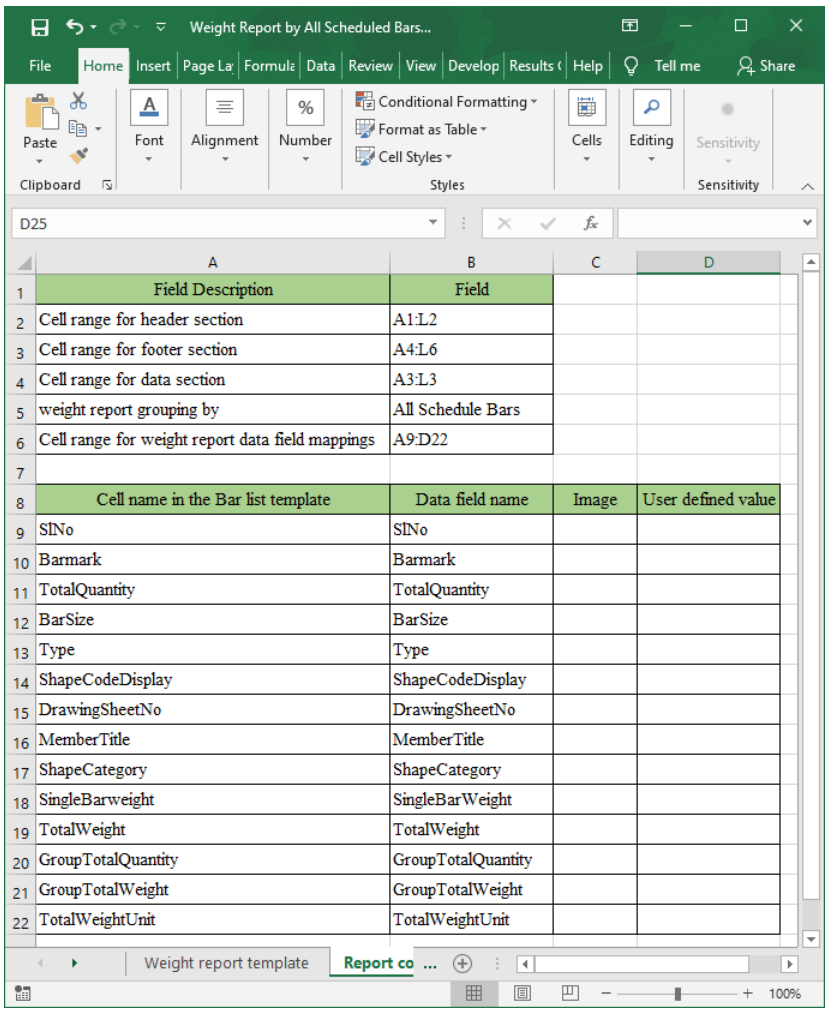
This completes the Schedule Template Creation.
To configure CADS RC to use the Excel template refer to Section 6.
To create a Schedule Report using the Excel template refer to Section 7.

4 Create an Excel Weight Report Template

CADS RC is shipped with several Weight Report Templates. These are located in the "C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Report" folder.

The default Weight Report is the Weight Report By All Scheduled Bars as shown below;





Field Description	Field
Cell range for header section	A1:L2
Cell range for footer section	A4:L6
Cell range for data section	A3:L3
weight report grouping by	All Schedule Bars
Cell range for weight report data field mappings	A9:D22

Cell name in the Bar list template	Data field name	Image	User defined value
SlNo	SlNo		
Barmark	Barmark		
TotalQuantity	TotalQuantity		
BarSize	BarSize		
Type	Type		
ShapeCodeDisplay	ShapeCodeDisplay		
DrawingSheetNo	DrawingSheetNo		
MemberTitle	MemberTitle		
ShapeCategory	ShapeCategory		
SingleBarweight	SingleBarWeight		
TotalWeight	TotalWeight		
GroupTotalQuantity	GroupTotalQuantity		
GroupTotalWeight	GroupTotalWeight		
TotalWeightUnit	TotalWeightUnit		

Create a new Excel report template by following the procedure below:

1. Launch the 'Excel' application;
2. Open a new workbook, select the File pull down menu – New - Blank workbook' to create a new Excel workbook.
3. Immediately save the workbook to the "*C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Report*" folder. Select the File pull down menu - Save As, set the '*Save as type'* as '*Excel Template (.xltx)*' and then type in an appropriate filename to save the Excel template.

The Excel report templates comprises of the following two worksheets:

- **Weight Report Template**.
  Create a new worksheet for the schedule layout view, by renaming the default worksheet 'Sheet1' as *Weight report template*.

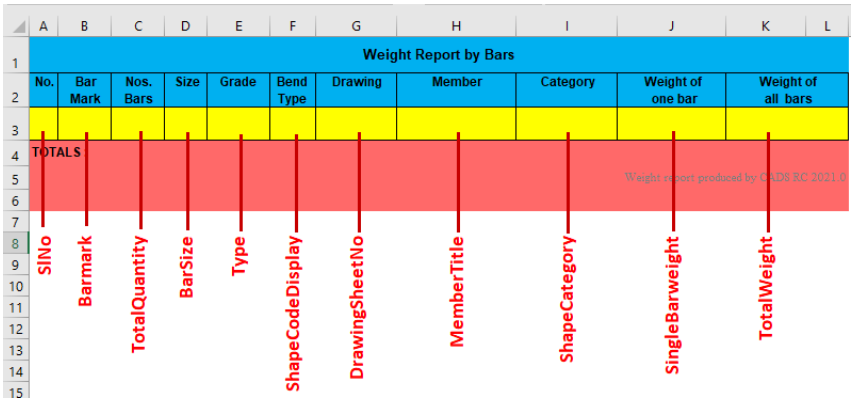
- **Report configuration**.
  Create a new worksheet with the name 'Report configuration' this is the tab where all the fields in the schedule are mapped to fields from the CADS RC drawing and Title Block.
  Right click on the Schedule Report tab and select Insert…
  Select Worksheet from the Insert dialog and click OK.
  Right Click on the Tab and select Rename, change the worksheet name to *Report configuration*.

Keywords need assigning to cells in the Weight Report to receive the schedule data exported from the Schedule dialog inside CADS RC.

All the Keywords are described in Section 8.

Define the keywords and cell ranges using the same procedure in Section 3.2 and 3.3

The diagrams below show the keywords and cell ranges used in the default Weight Report by Bars shipped with CADS RC.



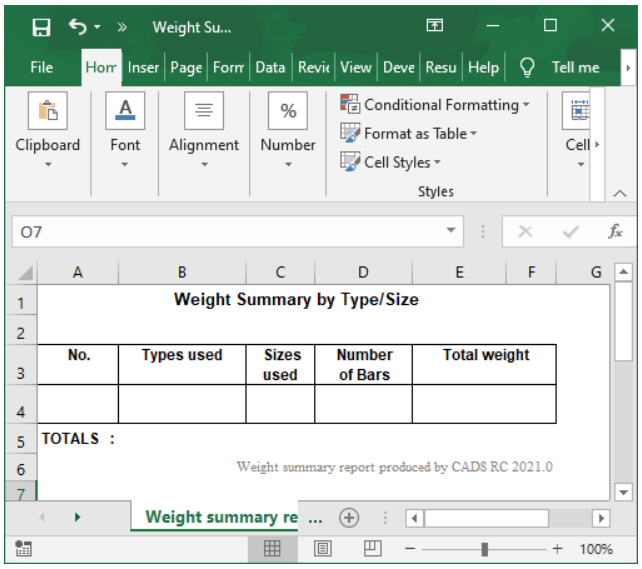
	Field Description	Field	
2	Cell range for header section	A1:L2	B2 : AddressRangeForHeader
3	Cell range for footer section	A4:L6	B3 : AddressRangeForFooter
4	Cell range for data section	A3:L3	B4 : AddressRangeForData
5	weight report grouping by	All Schedule Bars	B5 : WeightReportBy
6	Cell range for weight report data field mappings	A9:D22	B6 : AddressRangeForWeightReportMappings

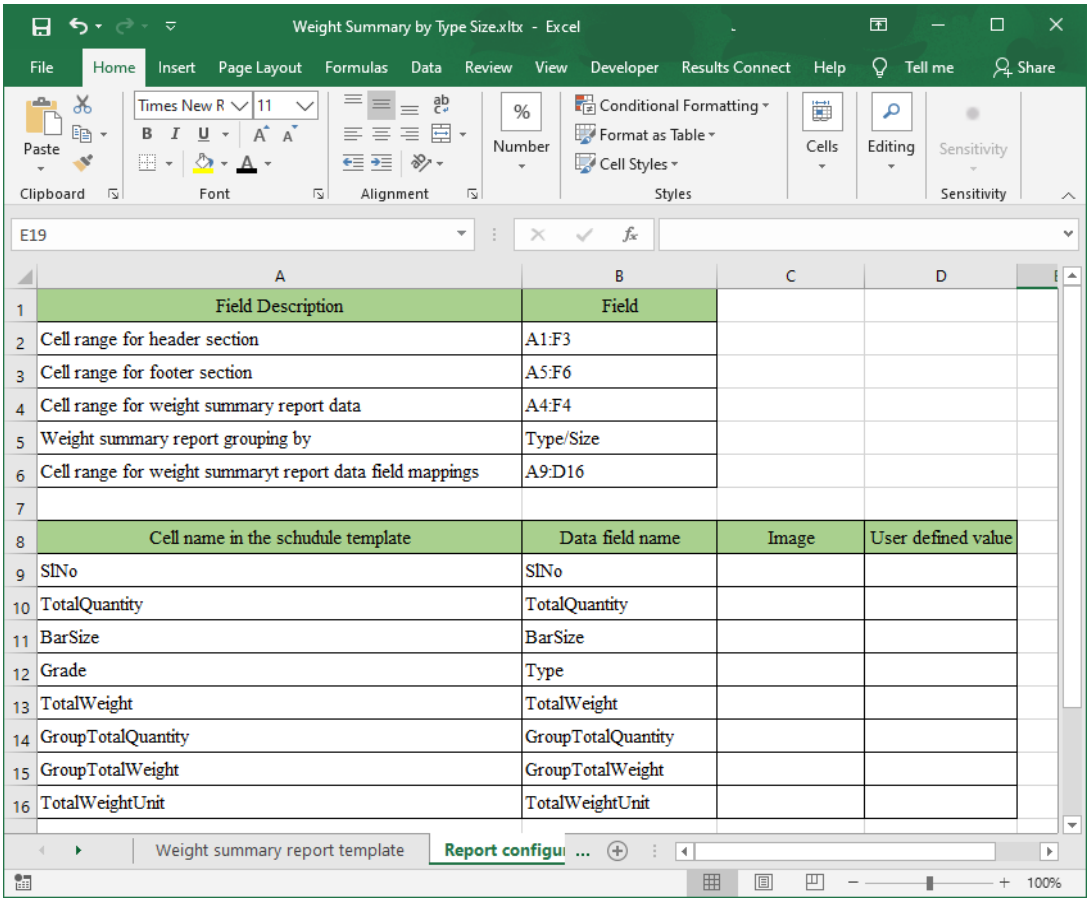
5 Create an Excel Summary Weight Report Template

CADS RC is shipped with several Weight Summary Report Templates.

These are located in the “C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Summary Report” folder.

The default Weight Report is the Weight Summary By Type & Size as shown below;





	A	B	C	D
1	Field Description	Field		
2	Cell range for header section	A1:F3		
3	Cell range for footer section	A5:F6		
4	Cell range for weight summary report data	A4:F4		
5	Weight summary report grouping by	Type/Size		
6	Cell range for weight summaryt report data field mappings	A9:D16		
7				
8	Cell name in the schudule template	Data field name	Image	User defined value
9	SlNo	SlNo		
10	TotalQuantity	TotalQuantity		
11	BarSize	BarSize		
12	Grade	Type		
13	TotalWeight	TotalWeight		
14	GroupTotalQuantity	GroupTotalQuantity		
15	GroupTotalWeight	GroupTotalWeight		
16	TotalWeightUnit	TotalWeightUnit		

Create a new Excel report template by following the procedure below:

1. Launch the 'Excel' application;
2. Open a new workbook, select the File pull down menu – New - Blank workbook' to create a new Excel workbook.
3. Immediately save the workbook to the "*C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Summary Report*" folder. Select the File pull down menu - Save As, set the '*Save as type'* as '*Excel Template (.xltx)*' and then type in an appropriate filename to save the Excel template.

The Excel report templates comprises of the following two worksheets:

- **Weight Report Template**.
  Create a new worksheet for the schedule layout view, by renaming the default worksheet 'Sheet1' as *Weight report template*.

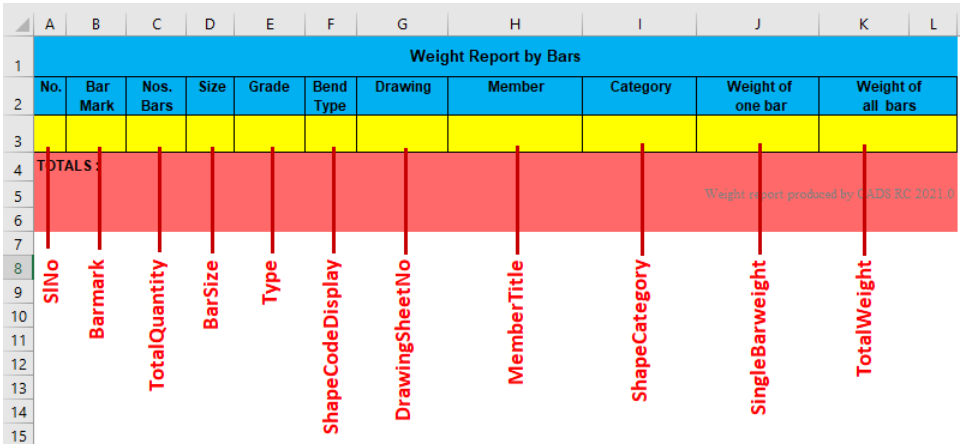
- **Report configuration**.
  Create a new worksheet with the name 'Report configuration' this is the tab where all the fields in the schedule are mapped to fields from the CADS RC drawing and Title Block.
  Right click on the Schedule Report tab and select Insert…
  Select Worksheet from the Insert dialog and click OK.
  Right Click on the Tab and select Rename, change the worksheet name to *Report configuration*.

Keywords need assigning to cells in the Weight Report to receive the schedule data exported from the Schedule dialog inside CADS RC.

All the Keywords are described in Section 8.

Define the keywords and cell ranges using the same procedure in Section 3.2 and 3.3

The diagrams below show the keywords and cell ranges used in the default Weight Summary By Type & Size shipped with CADS RC.

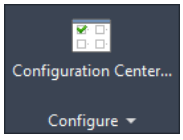


Field Description	Field	Keywords
Cell range for header section	A1:F3	B2 : AddressRangeForHeader
Cell range for footer section	A5:F6	B3 : AddressRangeForFooter
Cell range for weight summary report data	A4:F4	B4 : AddressRangeForData
Weight summary report grouping by	Type/Size	B5 : WeightSummaryBy
Cell range for weight summaryt report data field mappings	A9:D16	B6 : AddressRangeForWeightSummaryMappings

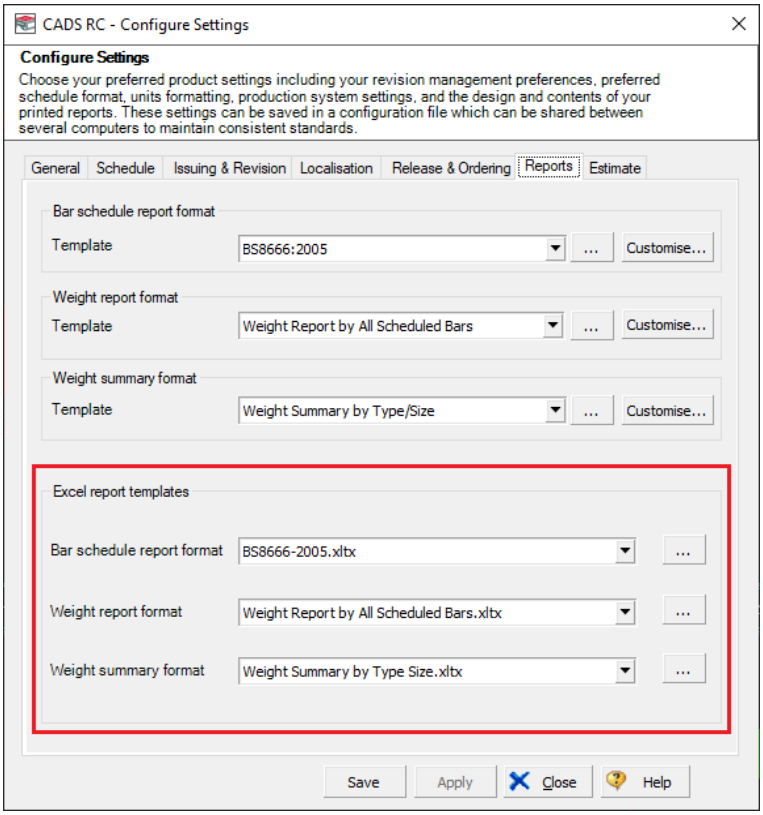
6 Configuring Excel Report Templates in CADS RC

The Excel Report Templates are configured inside the Configure Schedule Settings dialog in the Report Templates Tab.

1. Open CADS RC
2. Select the Configuration Centre from the CADS RC Ribbon, Configuration Panel.
3. Select the Configure Schedule Settings.



4. Go to the Reports Tab.



5. Select the browse button alongside the report format to be configured.
6. Select and open the required Excel Template.
7. Click the Save button to save the change to your configured Schedule Configuration File.
8. The Save default location is “C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC”

The following are the default locations for the Excel report templates

Schedule Report Format

“C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Schedule Report”

Weight Report

“C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Report”

Weight Summary

“C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Weight Summary Report”

Other Miscellaneous Report Layouts

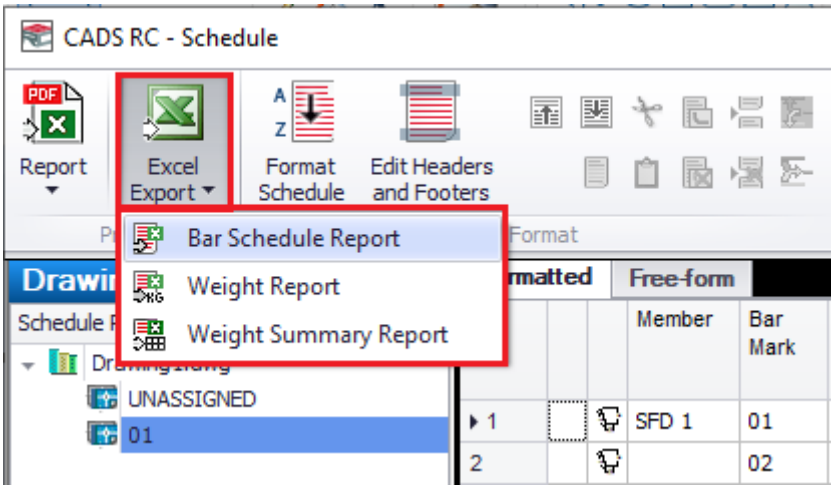
C:\ProgramData\CADS\AutoCAD XXXX\CADS RC XXXX.XX\CADS-RC\Templates\Reports\Excel Report Templates\Others

7 Creating a Report using the Excel Report Templates

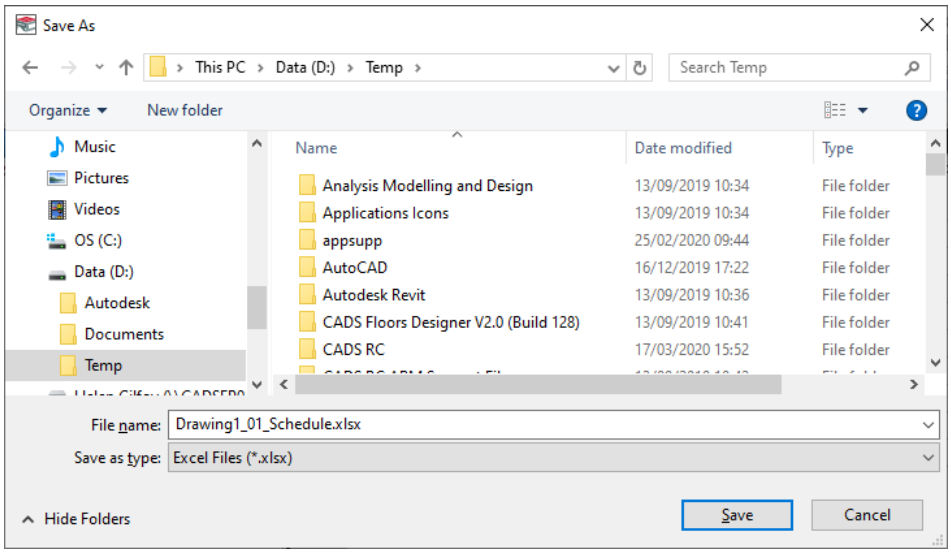
The Print Panel has been amended

- The Report button uses the configured REPX report to generate the select Report Preview.
- The Excel Export Button uses the configured Excel Template to generate the selected report.

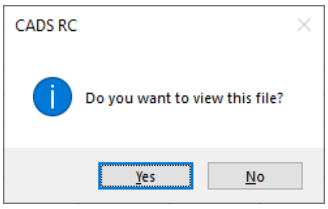
This means two different report formats can be configured in the Schedule for the Bar Schedule Report, Weight Report and the Weight Summary Report if required.



1. Creating a Report inside CADS RC.
2. Open CADS RC.
3. Load a CADS RC drawing.
4. Click on the View Schedule command to open the Schedule dialog.
5. Select the Drawing Sheet & Formatted Tab for the Report to be created.
6. Select the Excel Report drop down menu and choose the Report Type to create from the list.
7. Browse a suitable folder, change the filename as required and click Save.



8. Answer Yes to View the file.



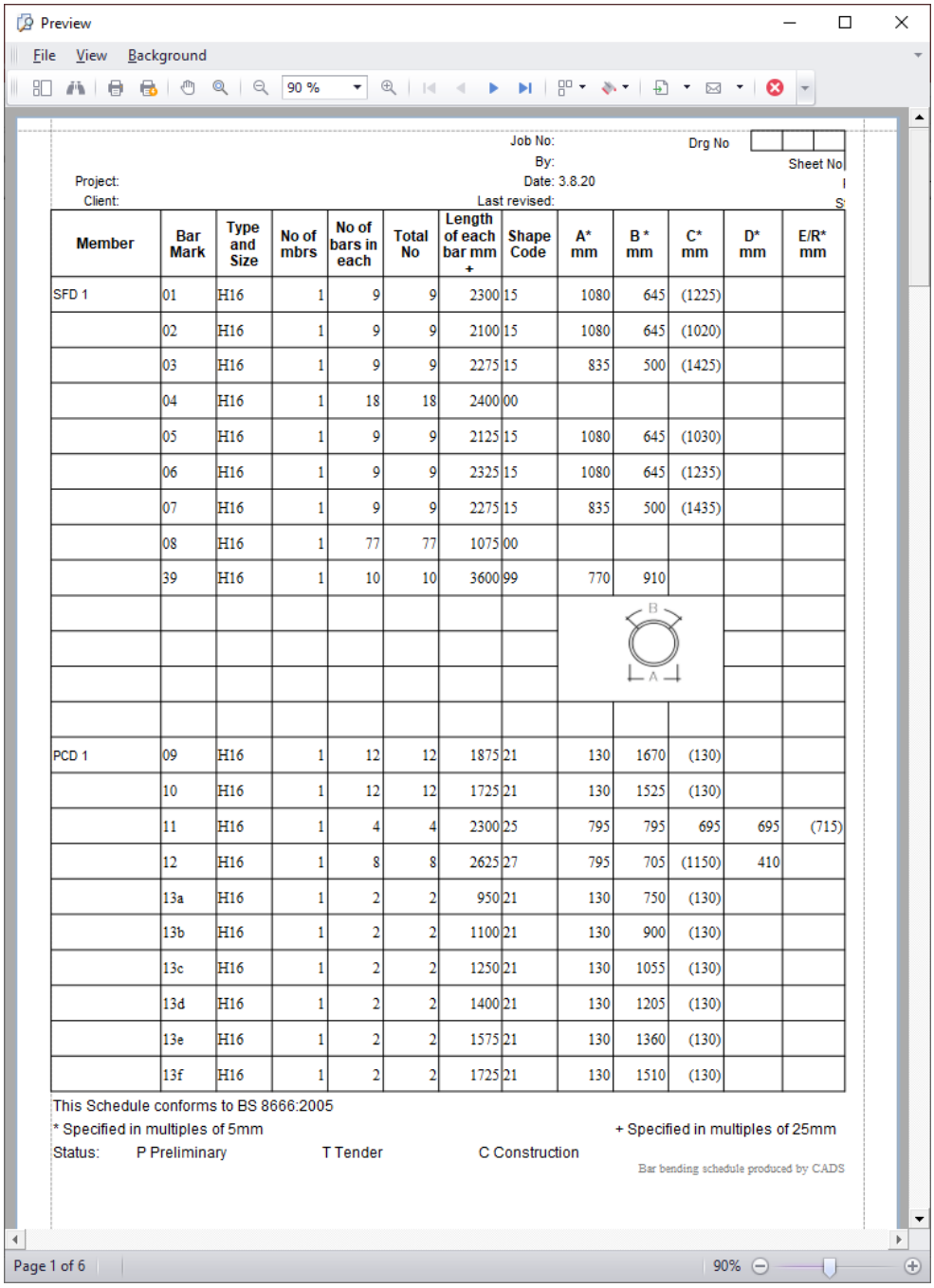
9. The Schedule is displayed inside the CADS RC Excel Viewer.

CADS RC

1									Job No:				Drg No					0	1
2									By:								Sheet No	0	1
3	Project:								Date:	3.8.20								Revn	
4	Client:								Last revised:									Status	
5	Member	Bar Mark	Type and Size	No of mbrs	No of bars in each	Total No	Length of each bar mm +	Shape Code	A* mm	B * mm	C* mm	D* mm	E/R* mm	Rev Letter					
6	SFD 1	01	H16	1	9	9	2300	15	1080	645	(1225)								
7		02	H16	1	9	9	2100	15	1080	645	(1020)								
8		03	H16	1	9	9	2275	15	835	500	(1425)								
9		04	H16	1	18	18	2400	00											
10		05	H16	1	9	9	2125	15	1080	645	(1030)								
11		06	H16	1	9	9	2325	15	1080	645	(1235)								
12		07	H16	1	9	9	2275	15	835	500	(1435)								
13		08	H16	1	77	77	1075	00											
14		39	H16	1	10	10	3600	99	770	910									
15																			
16																			
17																			
18																			
19	PCD 1	09	H16	1	12	12	1875	21	130	1670	(130)								
20		10	H16	1	12	12	1725	21	130	1525	(130)								
21		11	H16	1	4	4	2300	25	795	795	695	695	(715)						
22		12	H16	1	8	8	2625	27	795	705	(1150)	410							
23		13a	H16	1	2	2	950	21	130	750	(130)								
24		13b	H16	1	2	2	1100	21	130	900	(130)								
25		13c	H16	1	2	2	1250	21	130	1055	(130)								
26		13d	H16	1	2	2	1400	21	130	1205	(130)								
27		13e	H16	1	2	2	1575	21	130	1360	(130)								
28		13f	H16	1	2	2	1725	21	130	1510	(130)								
29	This Schedule conforms to BS 8666:2005																		
30	* Specified in multiples of 5mm										+ Specified in multiples of 25mm								
31	Status:	P Preliminary		T Tender			C Construction												

Sheet 1

10. Select the Print option to open the Preview Dialog.



Member	Bar Mark	Type and Size	No of mbrs	No of bars in each	Total No	Length of each bar mm +	Shape Code	A* mm	B * mm	C* mm	D* mm	E/R* mm
SFD 1	01	H16	1	9	9	2300	15	1080	645	(1225)		
	02	H16	1	9	9	2100	15	1080	645	(1020)		
	03	H16	1	9	9	2275	15	835	500	(1425)		
	04	H16	1	18	18	2400	00					
	05	H16	1	9	9	2125	15	1080	645	(1030)		
	06	H16	1	9	9	2325	15	1080	645	(1235)		
	07	H16	1	9	9	2275	15	835	500	(1435)		
	08	H16	1	77	77	1075	00					
	39	H16	1	10	10	3600	99	770	910			
PCD 1	09	H16	1	12	12	1875	21	130	1670	(130)		
	10	H16	1	12	12	1725	21	130	1525	(130)		
	11	H16	1	4	4	2300	25	795	795	695	695	(715)
	12	H16	1	8	8	2625	27	795	705	(1150)	410	
	13a	H16	1	2	2	950	21	130	750	(130)		
	13b	H16	1	2	2	1100	21	130	900	(130)		
	13c	H16	1	2	2	1250	21	130	1055	(130)		
	13d	H16	1	2	2	1400	21	130	1205	(130)		
	13e	H16	1	2	2	1575	21	130	1360	(130)		
	13f	H16	1	2	2	1725	21	130	1510	(130)		

This Schedule conforms to BS 8666:2005

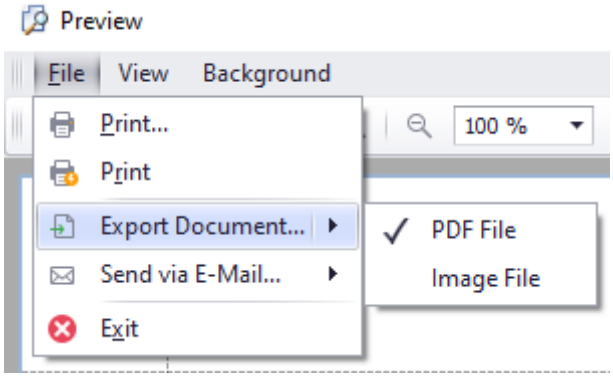
* Specified in multiples of 5mm

+ Specified in multiples of 25mm

Status: P Preliminary T Tender C Construction

Bar bending schedule produced by CADS

11. The Schedule can be printed, exported or sent via an email in either PDF or Image format.



8 Excel Template Database fields

The database fields that can be mapped in the Excel report templates can be classified as below:

- Data fields for header and footer;
- Data fields for bar data.

8.1 Data fields for header and footer

The data fields, which can be mapped in the header and footer are given below:

Data field name	Description	Remarks
JobNoDisplay	**Job Number** value filled in the **Edit Header and Footer** dialog	
DrawingSheetNo	**Drawing Number** value filled in the **Edit Header and Footer** dialog	Drawing Number is taken from the configured title block.
CustomerName	**Client** value filled in the **Edit Header and Footer** dialog	
Project	**Project Name** value filled in the **Edit Header and Footer** dialog	
Address	**Address** value filled in the **Edit Header and Footer** dialog	
SiteReference1	**Site Reference 1** value filled in the **Edit Header and Footer** dialog	
SiteReference2	**Site Reference 2** value filled in the **Edit Header and Footer** dialog	
PreparedDate	**Date Prepared** value filled in the **Edit Header and Footer** dialog	
PreparedBy	**Drawn By** value filled in the **Edit Header and Footer** dialog	
RevisionMark	**Revision Mark** value filled in the **Edit Header and Footer** dialog	Revision will be automatically added when the Drawing Sheet has been issued.
RevisionLevel	Not available yet	

CheckedDate	**Date Issued** value filled in the **Edit Header and Footer** dialog.	Revision date will be automatically added when the Drawing Sheet has been issued.
CheckedBy	**Checked by** value filled in the **Edit Header and Footer** dialog.	
FootNote1	**Footnote 1** value filled in the **Edit Header and Footer** dialog.	
FootNote2	**Footnote 2** value filled in the **Edit Header and Footer** dialog.	
Location	**Location** value filled in the **Edit Header and Footer** dialog.	
MaterialFor	**Material For** value filled in the **Edit Header and Footer** dialog.	
DrawingSetNumber	**Drawing Set Number** value filled in the **Edit Header and Footer** dialog.	
SheetNo	Report page number.	
IssueType	Holds the first letter of issue type in the dialog while issuing.	Issue Type will be automatically added when the Drawing Sheet has been issued.
UserField1	**User Field 1** value filled in the Edit Header and Footer dialog.	
UserField2	**User Field 2** value filled in the Edit Header and Footer dialog.	
UserField3	**User Field 3** value filled in the Edit Header and Footer dialog.	
UserField4	**User Field 4** value filled in the Edit Header and Footer dialog.	
UserField5	**User Field 5** value filled in the Edit Header and Footer dialog.	
UserField6	**User Field 6** value filled in the Edit Header and Footer dialog.	
UserField7	**User Field 7** value filled in the Edit Header and Footer dialog.	
UserField8	**User Field 8** value filled in the Edit Header and Footer dialog.	

UserField9	**User Field** 9 value filled in the Edit Header and Footer dialog.	
UserField10	**User Field 10** value filled in the Edit Header and Footer dialog.	
UserField11	**User Field 11** value filled in the Edit Header and Footer dialog.	
UserField12	**User Field** 12 value filled in the Edit Header and Footer dialog.	
UserField13	**User Field 13** value filled in the Edit Header and Footer dialog.	
UserField14	**User Field 14** value filled in the Edit Header and Footer dialog.	
UserField15	**User Field 15** value filled in the Edit Header and Footer dialog.	
UserField16	**User Field 16** value filled in the Edit Header and Footer dialog.	
UserField17	**User Field** 17 value filled in the Edit Header and Footer dialog.	
UserField18	**User Field 18** value filled in the Edit Header and Footer dialog.	
UserField19	**User Field 19** value filled in the Edit Header and Footer dialog.	
UserField20	**User Field 20** value filled in the Edit Header and Footer dialog.	
Status	Not available yet.	
CompanyName	Not available yet.	
CompanyId	Not available yet.	
CustomerId	Not available yet.	
Status	Not available yet.	
AttachDiagramPath	Holds the path of the shape diagram location (where the WMF file is placed).	
StruckOutFormat	Hold the strikeout format given in the config setting under issue and revision.	

8.2 Data fields for bar data

The data fields, which can be mapped in the data row are listed in this section.

Data field name	Description	Remarks
Barmark	Barmark for non-tapered straight bars in US DYI.	
DispBarmark	Bar mark.	
BarMarkDiagram	Shape/bend type diagram.	
BarSize	Bar size.	
Diameter	Bar diameter.	
AlternateSize	Alternate bar size.	
DrawingFieId	Drawing file ID.	For project based.
DrawingSheetNo	Drawing sheet number.	
GroupId	Null.	
IsDiagramLine	Flag to indicate whether the data line is a diagram line or not.	
IsStriked	Flag to indicate whether the data line has been struck out or not.	
IsOrdered	Flag to indicate whether the data line has been ordered or not.	
IsFirstTaperedBarWeightZero	Flag to indicate whether the data line for the first tapered bar weight is zero or not.	
Wrap	Flag to indicate whether the data line is a wrapped line or not.	
JobNumber	Default value 2000	

Length	Length of the bar.	
GrossLength	Gross length of the bar.	
NettLength	Nett Length of the bar.	
TotalLength	Total length of the bar.	
LineNo	Schedule/Bar List line number.	
MemberTitle	Member title.	
Multi	Multiple value given in the bar dialog.	Set in the Multi field in the draw bar dialog.
Multiplier	Bar multiplier (No. of members).	Set in the Member Title dialog.
Notes	Schedule/Bar List notes.	Added to an inserted line in the Schedule.
BarLabelNotes	Bar label notes.	Added to the bar label in the draw bar dialog.
ExtraLabelNotes1	Extra bar label notes 1.	Added to the bar label in the draw bar dialog.
ExtraLabelNotes2	Extra bar label notes 2.	Added to the bar label in the draw bar dialog.
ExtraLabelNotes3	Extra bar label notes 3.	Added to the bar label in the draw bar dialog.
ExtraLabelNotes4	Extra bar label notes 4.	Added to the bar label in the draw bar dialog.
OrderedLineNo	Ordered line number in the schedule/bar list (Based on the sorting and segregation).	
PageNo	Report page number for particular bar mark.	
DisplayPageNo	Report page number to be displayed.	
TotalPageNo	Total page number in the report.	
Qty	Quantity of bars.	

QuantityDisplay	Always *.	shows only if Qty and multi is an integer, for example “1*8”. but it’s not possible for multi to have integer so always *.
TotalQuantity	Total quantity of bars.	
ReleaseNumber	Release number.	Set in the Releases dialog.
Release	Release.	Set in the Releases dialog.
RevisionMark	Revision mark.	Revision will be automatically added when the Drawing Sheet has been issued.
ShapeCategory	Shape/Bend type category.	
ShapeCode	Shape code/Bend type.	
ShapeCodeDisplay	Shape code to be displayed based on ReportAsPartial in GConfig.	
ShapeCodeDiagram	Shape code diagram is null always.	Origin from shape code data table in MM.
TotalWeight	Total weight of the bar.	Formatted weight of total weight.
UnitWeight	Unit weight of the bar.	
WeightPerBar	Weight per bar.	
SingleBarWeight	Weight of single bar.	Formatted Weight of weight per bar.
SingleBarTotalWeight	Formatted total weight of weight per bar.	Formatted total weight of weight per bar.
ReportTotalWeight	Total weight of the bars in the entire report.	
ReportSingleBarWeight	Total weight of single bars in the report with its units.	
ReportWeight	Formatted output of total weight of total weight.	

TotalWeightLeft	Total weight of bars that are not issued.	
TotalWeightWithOutStrikeBars	Total weight of bars that are not struck out.	
RptTotalWeightIssued	Total weight of the bars issued in the entire report.	
RptTotalWeightLeft	Total weight of the bars that are not issued in the entire report.	
TotalWgtDisplayUnit	Display unit for the total weight of bars.	
Type	Bar Type/Grade.	
TypeSize	Bar Type/Grade and size.	
TypeOfRange	Bar range type (To identify tapered bars).	
RevMark	Revision mark of the bar.	Revision will be automatically added when the Drawing Sheet has been issued.
RevisionLevel	Revision level of the bar.	
IssueStatus	Issue status.	Issue Status will be automatically added when the Drawing Sheet has been issued.
DrawingSheetRevisionMark	Drawing sheet revision mark.	Revision will be automatically added when the Drawing Sheet has been issued.
WmfFilePath	The folder in which the wmf file of the shape/bend type diagram is present.	
DispValue	Not available.	
SegregatedColumn	Holds segregated values based on first sort option given in Format Schedule.	Holds all the segregated values based on first sort option (for example if we use first sort based on bar size and the page contains

		size of 7,10,12 then this field holds **7,10,12**).
Country	Based on country it holds the below value. “UK, “US”, ”IN”	
WeightFormatString	Holds the string format for **weight** given under localisation setting in MM Config.	
TotalWeightFormatString	Holds the string format for **total weight** given under localisation setting in MM Config.	
MemberDescription	Member description.	Set in the Member Title dialog.
MemberSortId	ID based on custom member sorting.	Custom sorting of member titles available in the Format Schedule Dialog with the custom option set.
ReleaseSortId	ID based on custom Release sorting.	Custom sorting of releases available in the Format Schedule Dialog with the custom option set.
ReleaseDescription	Release description.	Set in the Releases dialog.
BidItemId	Always empty.	MM db contains value but report dataset doesn’t.
BidItem	Bid Item.	
BidItemSortId	Always empty.	MM db contains value but report dataset doesn’t.
BidStructureId	Always empty.	MM db contains value but report dataset doesn’t.
BidStructureSortId	Always empty.	MM db contains value but report dataset doesn’t.
BidStructure	Bid structure.	
BillingCodeId	Always empty.	MM db contains value but report datasets do not.
BillingCode	Billing code.	

DisplaySpacing	Bar spacing to be displayed.	
CouplerLabel1	Coupler label notes for bar end 1.	
CouplerLabel2	Coupler label notes for bar end 2.	
CouplerType1	Coupler type for bar end 1.	
CouplerType2	Coupler type for bar end 2.	
CouplerQuantity1	Coupler quantity for bar end 1.	
CouplerQuantity2	Coupler quantity for bar end 2.	
CouplerCatalogNo1	Coupler catalogue number for bar end 1.	
CouplerCatalogNo2	Coupler catalogue number for bar end 2.	
CouplerDescription1	Coupler description for bar end 1.	
CouplerDescription2	Coupler description for bar end 2.	
A	Dimension of the Leg **A.**	
B	Dimension of the Leg **B.**	
C	Dimension of the Leg **C.**	
D	Dimension of the Leg **D.**	
E	Dimension of the Leg **E.**	
F	Dimension of the Leg **F.**	
G	Dimension of the Leg **G.**	
H	Dimension of the Leg **H.**	
I	Dimension of the Leg **I.**	
J	Dimension of the Leg **J.**	
K	Dimension of the Leg **K.**	

O	Dimension of the Leg **O.**	
R	Dimension of the Leg **R.**	
TotalStraightBarWeight	Total weight of the straight bar.	
TotalBentBarWeight	Total weight of the bent/light bar.	
TotalLinkWeight	Total weight of the link/heavy bar.	
TotalSpiralBarWeight	Total weight of the spiral bar.	
GroupGrossLength	Sum of GrossLength based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of GrossLength for each member.
GroupLength	Sum of Length based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of Length for each member.
GroupNettLength	Sum of Nett Length based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of Nett Length for each member.
GroupTotalLength	Sum of TotalLength based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalLength for each member.
GroupTotalQuantity	Sum of TotalQuantity based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalQuantity for each member.
GroupTotalWeight	Sum of TotalWeight based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalWeight for each member.

GroupTotalWeightIssued	Sum of TotalWeightIssued based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalWeightIssued for each member.
GroupTotalWeightLeft	Sum of TotalWeightLeft based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalWeightLeft for each member.
GroupTotalWeightWithOutStrikeBars	Sum of TotalWeightWithOutStrikeBars is based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalWeightWithOutStrikeBars for each member.
GroupTotalStraightBarWeight	Sum of TotalStraightBarWeight based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalStraightBarWeight for each member.
GroupTotalBentBarWeight	Sum of TotalBentBarWeight based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalBentBarWeight for each member.
GroupTotalLinkWeight	Sum of TotalLinkWeight based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalLinkWeight for each member.
GroupTotalSpiralBarWeight	Sum of TotalSpiralBarWeight based on grouping given in the template.	For example: if the template is weight report by member, then it holds the sum of TotalSpiralBarWeight for each member.