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METIB BBS Checker

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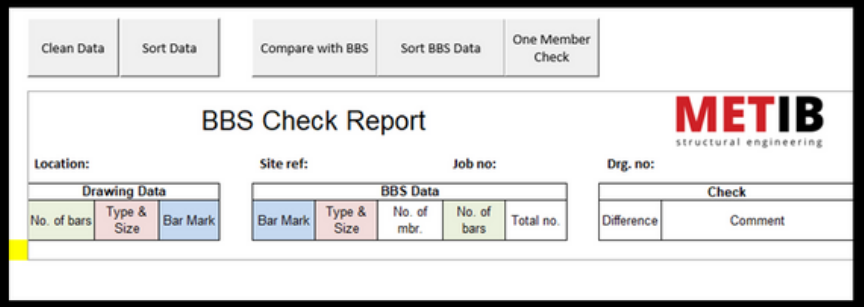
Introduction

'METIB BBS Checker' is an Excel tool for checking the compliance of the RC drawing with the BBS schedule.



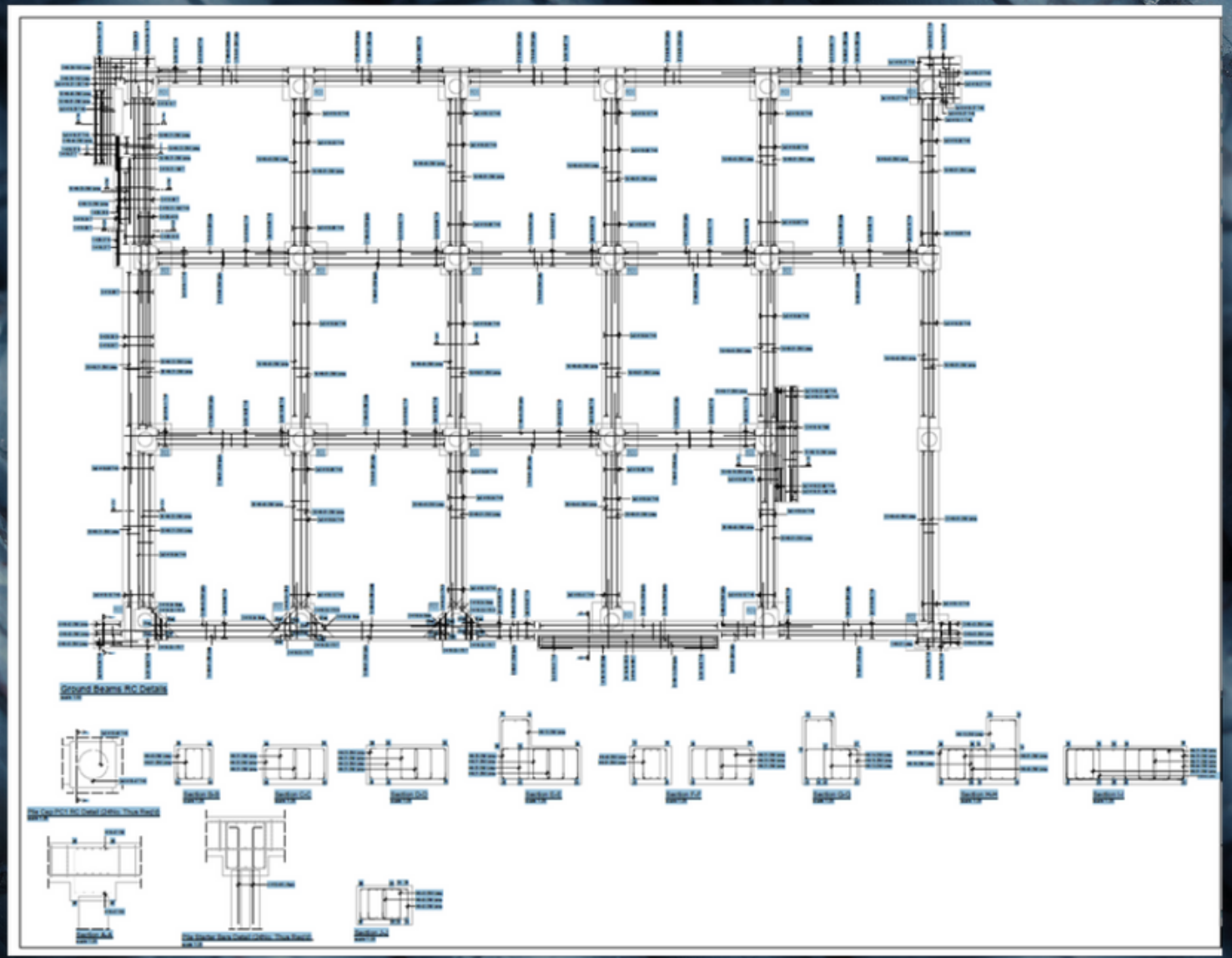
Short description

'METIB BBS Checker' is an advanced Excel Spreadsheet using Visual Basic code to convert all text data from (.pdf) RC drawing into Excel, then using some kind of algorithms and filters can collect all bar tags and sort them in the same way as on BBS.
Next step is just comparing data collected from RC drawing with BBS. Comparing data consist in checking if number of bars for each bar mark is the same for BBS and RC drawing.
Summing up, 'METIB BBS Checker' checks number of bars shown on RC drawing with BBS schedule.
'METIB BBS Checker' speeds up RC Detailers work, because it is easy way to check if all bars are tagged on drawing and also for Reviewer (Project Engineer) because no need to check number of bars on drawing - just check 'METIB BBS Check report' to be sure that all bars from BBS are tagged on RC drawing. This solution save time and increase quality of RC detailing.

Let excel do the counting, save time for more demanding tasks.

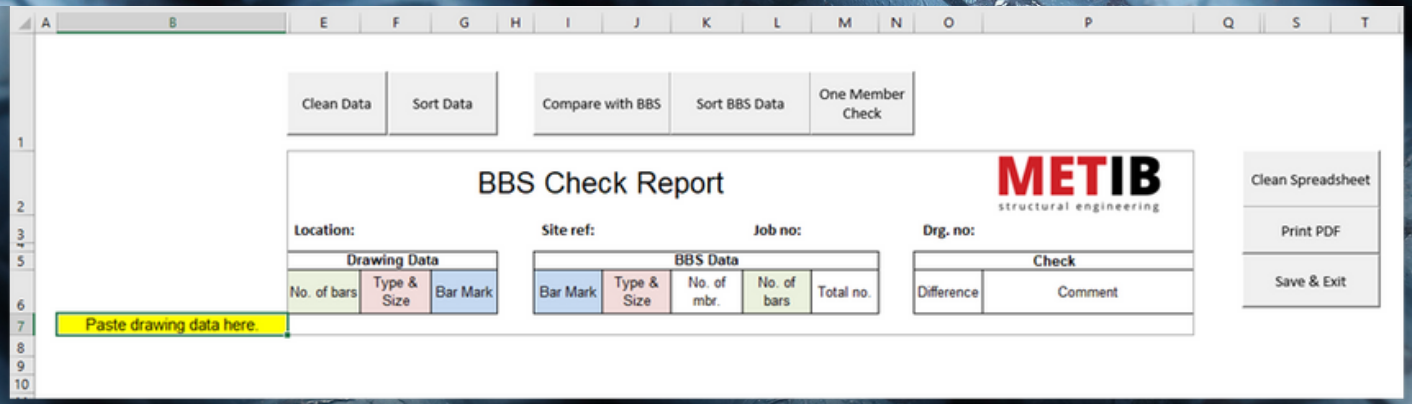
HOW IT WORKS?

This steps show how ‘METIB BBS Checker’ works.



Open RC drawing in PDF viewer and select all text data, then copy to clipboard.

Open ‘METIB BBS Checker’ and paste all data from clipboard into highlighted place.



Clean Data | Sort Data | Compare with BBS | Sort BBS Data | One Member Check

BBS Check Report

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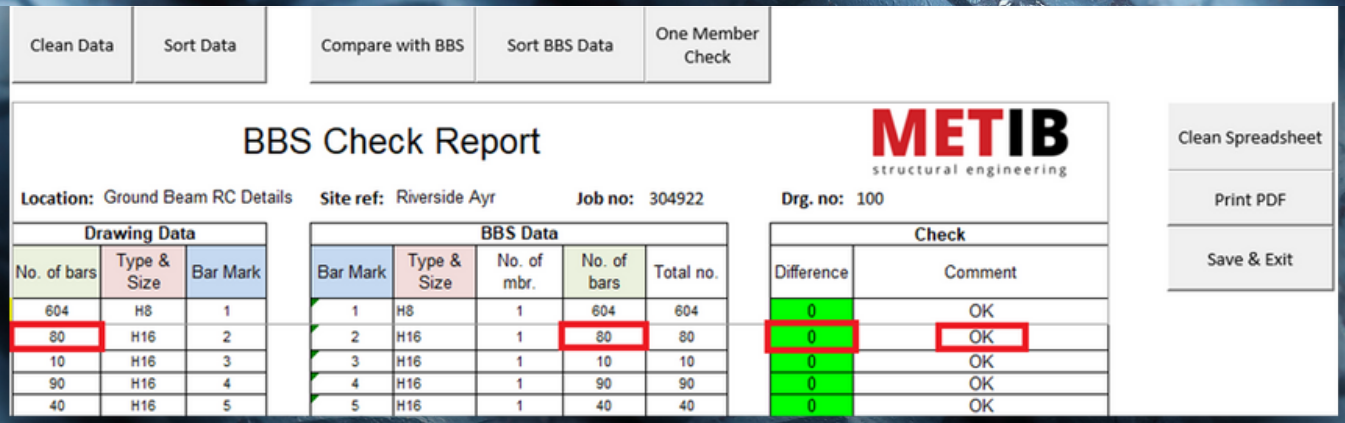
Location: Ground Beam RC Details **Site ref:** Riverside Ayr **Job no:** 304922 **Drg. no:** 100

Drawing Data			BBS Data					Check	
No. of bars	Type & Size	Bar Mark	Bar Mark	Type & Size	No. of mbr.	No. of bars	Total no.	Difference	Comment
604	H8	1	1	H8	1	604	604	0	OK
80	H16	2	2	H16	1	80	80	0	OK
10	H16	3	3	H16	1	10	10	0	OK
90	H16	4	4	H16	1	90	90	0	OK
40	H16	5	5	H16	1	40	40	0	OK
215	H16	6	6	H16	1	215	215	0	OK
30	H16	7	7	H16	1	30	30	0	OK
10	H16	8	8	H16	1	10	10	0	OK
20	H16	9	9	H16	1	20	20	0	OK
105	H16	10	10	H16	1	105	105	0	OK

Clean Spreadsheet | Print PDF | Save & Exit

Next, copy data from BBS, sort them and check no. of bars.

If difference between drawing data and BBS data is 0, we are sure that all bars included in BBS are tagged on drawing.



Clean Data | Sort Data | Compare with BBS | Sort BBS Data | One Member Check

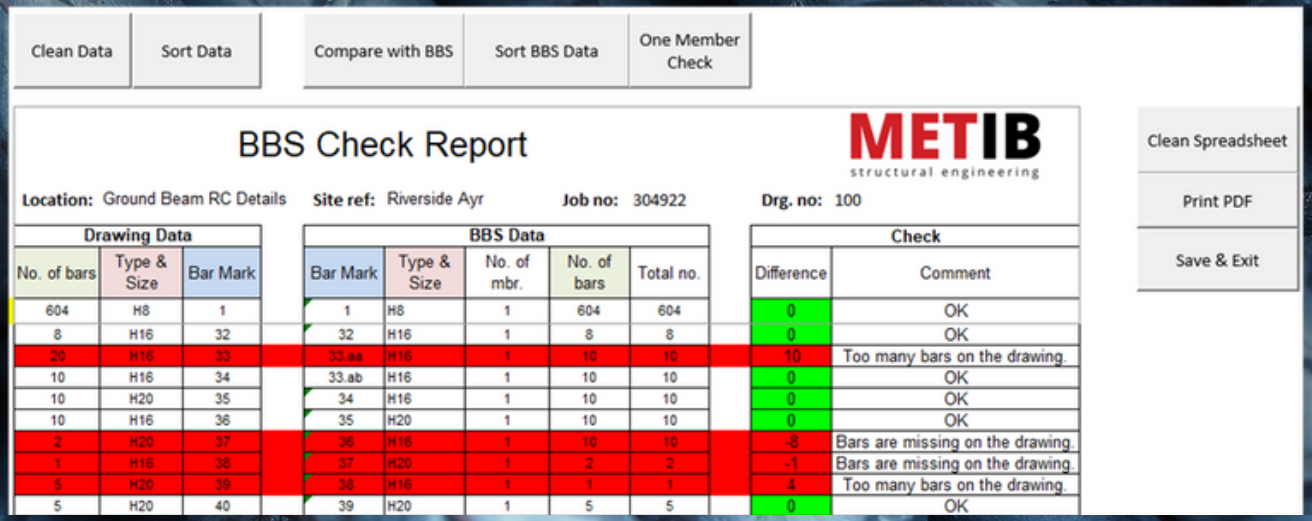
BBS Check Report

METIB structural engineering

Location: Ground Beam RC Details **Site ref:** Riverside Ayr **Job no:** 304922 **Drg. no:** 100

Drawing Data			BBS Data					Check	
No. of bars	Type & Size	Bar Mark	Bar Mark	Type & Size	No. of mbr.	No. of bars	Total no.	Difference	Comment
604	H8	1	1	H8	1	604	604	0	OK
80	H16	2	2	H16	1	80	80	0	OK
10	H16	3	3	H16	1	10	10	0	OK
90	H16	4	4	H16	1	90	90	0	OK
40	H16	5	5	H16	1	40	40	0	OK

Clean Spreadsheet | Print PDF | Save & Exit



Clean Data | Sort Data | Compare with BBS | Sort BBS Data | One Member Check

BBS Check Report

METIB structural engineering

Location: Ground Beam RC Details **Site ref:** Riverside Ayr **Job no:** 304922 **Drg. no:** 100

Drawing Data			BBS Data					Check	
No. of bars	Type & Size	Bar Mark	Bar Mark	Type & Size	No. of mbr.	No. of bars	Total no.	Difference	Comment
604	H8	1	1	H8	1	604	604	0	OK
8	H16	32	32	H16	1	8	8	0	OK
20	H16	33	33.aa	H16	1	10	10	10	Too many bars on the drawing.
10	H16	34	33.ab	H16	1	10	10	0	OK
10	H20	35	34	H16	1	10	10	0	OK
10	H16	36	35	H20	1	10	10	0	OK
2	H20	37	36	H16	1	10	10	-8	Bars are missing on the drawing.
1	H16	38	37	H20	1	2	2	-1	Bars are missing on the drawing.
5	H20	39	38	H16	1	1	1	4	Too many bars on the drawing.
5	H20	40	39	H20	1	5	5	0	OK

Clean Spreadsheet | Print PDF | Save & Exit

If difference between drawing data and BBS data is not 0, 'METIB BBS Checker' marked row in red and give specific comment.

BBS CHECK REPORT

This report we can provide with every RC drawing prepared in our office.
No need for further check from the project engineer.

saved time

Our check takes us up to 10 minutes comparing to average 2 hours of checking engineer's work.

error free

Using our 'METIB BBC Checker' we are sure every bar is checked between drawing and BBS.
No reports from site on missing bars since year 2019 when we introduced 'METIB BBC Checker' in our office.

BBS Check Report

METIB structural engineering

Location: Ground Beam RC Details **Site ref:** Riverside Ayr **Job no:** 304922 **Drg. no:** 100

Drawing Data			BBS Data					Check	
No. of bars	Type & Size	Bar Mark	Bar Mark	Type & Size	No. of mbr.	No. of bars	Total no.	Difference	Comment
604	H8	1	1	H8	1	604	604	0	OK
80	H16	2	2	H16	1	80	80	0	OK
10	H16	3	3	H16	1	10	10	0	OK
90	H16	4	4	H16	1	90	90	0	OK
40	H16	5	5	H16	1	40	40	0	OK
215	H16	6	6	H16	1	215	215	0	OK
30	H16	7	7	H16	1	30	30	0	OK
10	H16	8	8	H16	1	10	10	0	OK
20	H16	9	9	H16	1	20	20	0	OK
105	H16	10	10	H16	1	105	105	0	OK
40	H16	11	11	H16	1	40	40	0	OK
10	H16	12	12	H16	1	10	10	0	OK
47	H8	13	13	H8	1	47	47	0	OK
23	H8	14	14	H8	1	23	23	0	OK
23	H8	15	15	H8	1	23	23	0	OK
6	H16	16	16	H16	1	6	6	0	OK
15	H8	17	17	H8	1	15	15	0	OK
15	H8	18	18	H8	1	15	15	0	OK
12	H16	19	19	H16	1	12	12	0	OK
10	H16	20	20	H16	1	10	10	0	OK
118	H8	21	21	H8	1	118	118	0	OK
59	H8	22	22	H8	1	59	59	0	OK
10	H8	23	23	H8	1	10	10	0	OK
3	H16	24	24	H16	1	3	3	0	OK
10	H16	25	25	H16	1	10	10	0	OK
1	H20	26	26	H20	1	1	1	0	OK
84	H16	27	27	H16	1	84	84	0	OK
4	H8	28	28	H8	1	4	4	0	OK
34	H16	29	29	H16	1	34	34	0	OK
10	H16	30	30	H16	1	10	10	0	OK
30	H16	31	31	H16	1	30	30	0	OK
8	H16	32	32	H16	1	8	8	0	OK
20	H16	33	33	H16	1	20	20	0	OK
10	H16	34	34	H16	1	10	10	0	OK
10	H20	35	35	H20	1	10	10	0	OK
10	H16	36	36	H16	1	10	10	0	OK
2	H20	37	37	H20	1	2	2	0	OK
1	H16	38	38	H16	1	1	1	0	OK
5	H20	39	39	H20	1	5	5	0	OK
5	H20	40	40	H20	1	5	5	0	OK
10	H16	41	41	H16	1	10	10	0	OK
7	H8	42	42	H8	1	7	7	0	OK
14	H8	43	43	H8	1	14	14	0	OK
3	H8	44	44	H8	1	3	3	0	OK
603	H8	45	45	H8	1	603	603	0	OK
10	H16	46	46	H16	24	10	240	0	OK
10	H16	47	47	H16	24	10	240	0	OK
4	H10	48	48	H10	24	4	96	0	OK

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Contact us

Do you need our services or maybe you are not sure if we can help you?
We are always happy to talk and advise.

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BIM klaster