

Quality Control Check Report. Stage: After Column Casting (Apartments)

Block No.	E-3, 4, 5, 6 Fls	Column No.	06	Sl. No.	27696
Company	BMC	Project	MFC	Phase	II
Prepared by	P. Sai Kumar	Sign	P. Sai Kumar	Date	11/8/18
Project Manager	S. V. Suba Reddy	Sign	S. V. Suba Reddy	Date	11/8/18
Previous stage report no.		Report filed and signed by PM?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Checked By MD on		MD Sign	27637	For filling	<input type="checkbox"/> Yes <input type="checkbox"/> No

Recommendation:

- Stop further work. Submit ATR on QC report to QC team. Proceed only after recheck by QC.
- Stop further work. Proceed with work after submitting ATR on QC report to QC team.
- Proceed with further work only after making corrections pointed out in the QC report. ATR not required.
- Proceed with further work. ATR not required.

Columns Position Check.

Notes:

1. Inspection should be done after casting of columns at each stage and before starting centering works for each slab.
2. Prepare Columns Position Check Plan as follows:
 - a. Divide blocks into smaller sub-blocks.
 - b. Show size and orientation of columns. (Tolerance 0.5")
 - c. Show inner -- inner space between columns. (Tolerance 1")
 - d. Show diagonals for 20% of bays. (Tolerance 1.5")
 - e. Print an A3 size plan.
3. Circle each correct dimension with green colour. Circle each incorrect dimension with red colour and mention actual dimension next to it.

Columns Position Check Plan enclosed? Yes No

Slab Dimensions Check.

Notes:

1. Prepare Slab (or plinth beams) Dimensions Check Plan as follows:
 - a. Show outer dimensions of slab. (Tolerance 2")
 - b. Show length and width of balconies (Tolerance 1")
 - c. Show inner dimensions of ducts and lift well. (Tolerance 1")
 - d. Show location of sunken slab.
 - e. Print an A3 size plan.
2. Circle each correct dimension with green colour. Circle each incorrect dimension with red colour and mention actual dimension next to it.

Slab Dimensions Check Plan enclosed? Yes No

Specified thickness of slab? 4 1/2" Actual thickness of slab? 4 1/2"

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Quality of centering, rod bending and concreting. Good Avg. Bad

Quality of centering, rod bending and concreting? Good Avg. Bad

Quality of starters? Good Avg. Bad

Number and size of honey combs? High Medium. Low

Are the honey combs is slab and columns packed? Good Avg. Bad

Number of beams that are sagging, bulging, caved or deflected in the slab by more than 1" Good Avg. Bad

Have 6 cubes each for columns and slab casted and numbered for testing? Yes No

Remarks:

Curing.

Hands for curing made on slab? Yes No

Bound size is less than 100 sft? Yes No

Drum (200 lts) provided for curing? Yes No

Gunny bags used for column curing? Yes No

Distance of tap from furthest distance that requires curing. (max permitted 100')

Frequency of curing in number of times a day (enquire from labourers) 3 times

Is the pressure in the curing pipe more than 15' head? Yes No

Quality of infrastructure for curing. Good Avg. Bad

Remarks:

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Columns height, plumb, steel & level marking check

Notes:

1. Mark ✓ for correct or minor mistake which does not require correction
2. Mark ✗ for minor mistake that requires minor correction.
3. Mark ✗✗ for major mistake that requires correction by replacement or re-fixing.
4. Mark ✗✗✗ for major mistake that cannot be corrected.
5. Tolerance: Plumb 0.25"
6. Circle actual height of columns if level differs from specified height by more than 1".

S No	Col No.	Col type	Height in ft		Steel (✓ or ✗)	Size of rods	Honeycombs	Plumb (✓ or ✗)		Reference level marked on column?
			Spec.	Actual				Side 1	Side 2	
1.	—	C6	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	—	C7	8'-4 1/2"	8'-5 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	—	C5	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	—	C4	8'-2 1/2"	8'-8 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	—	C4	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	—	C4	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.	—	C7	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	—	C4	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
14.	—	C4	8'-4 1/2"	8'-5 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
15.	—	C4	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
16.	—	C4	8'-4 1/2"	8'-4 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
17.	—	C5	8'-2 1/2"	8'-2 1/4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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S No	Col No.	Col type	Height in ft		Steel (✓ or X)	Honeycombs	Plumb (✓ or X)		Reference level marked on column?
			Spec.	Actual			Size of rods	Side 1	
18.	—	C6	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
19.	—	C5	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
20.	—	C7	8'-4 1/2"	8'-4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
21.	—	C5	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
22.	—	C3	8'-4 1/2"	8'-4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
23.	—	C6	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
24.	—	C6	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
25.	—	C1	8'-4 1/2"	8'-4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
26.	—	C6	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
27.	—	C5	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
28.	—	C5	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
29.	—	C9	8'-6 1/2"	8'-5"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
30.	—	C6	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
31.	—	C5	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
32.	—	C5	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
33.	—	C1	8'-4 1/2"	8'-5"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
34.	—	C5	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
35.	—	C7	8'-4 1/2"	8'-4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
36.	—	C9	8'-4 1/2"	8'-4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
37.	—	C6	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
38.	—	C5	8'-7 1/2"	8'-7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
39.	—	C6	8'-7 1/2"	8'-8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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			Spec.	Actual	No of rods	Size of rods		Side 1	Side 2	
40.	—	CS	8'-7 1/2"	8'-7"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
41.	—	CS	8'-2 1/2"	8'-8"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
42.	—	CS	8'-1 1/2"	8'-2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
43.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
44.	—	CS	8'-2 1/2"	8'-3"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
45.	—	CS	8'-1 1/2"	8'-3"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
46.	—	CS	8'-7 1/2"	8'-3"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
47.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
48.	—	CS	8'-3 1/2"	8'-8"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
49.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
50.	—	CS	8'-2 1/2"	8'-3"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
51.	—	CS	8'-2 1/2"	8'-8"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
52.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
53.	—	CS	8'-1 1/2"	8'-1 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
54.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
55.	—	CS	8'-3 1/2"	8'-3"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
56.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
57.	—	CS	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
58.	—	CS	8'-2 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
59.	—	CS	8'-2 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
60.	—	—	—	—	—	—	—	—	—	<input type="checkbox"/> Yes <input type="checkbox"/> No
61.	—	—	—	—	—	—	—	—	—	<input type="checkbox"/> Yes <input type="checkbox"/> No