

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

Block No.	B-485	Column No.	01	Sl. No.	34856
Company	MRMA LLP	Project	GMR	Phase	-
Prepared by	G. RATESH	Sign	<i>GMR</i>	Date	06/12/19
Project Manager	Ram Prasad	Sign	<i>Ram Prasad</i>	Date	06/12/19
Previous stage report no.	34750	Report filed and signed by PM?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Checked By M/D on		M/D Sign		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:

- Inspection should be done after casting of columns at each stage and before starting centering works for each slab.
- Prepare Columns Position Check Plan as follows:
 - Divide blocks into smaller sub-blocks.
 - Show size and orientation of columns. (Tolerance 0.5")
 - Show inner – inner space between columns. (Tolerance 1")
 - Show diagonals for 20% of bays. (Tolerance 1.5")
 - Print an A3 size plan.
- 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:

- Prepare Slab (or pinnth beams) Dimensions Check Plan as follows:
 - Show outer dimensions of slab. (Tolerance 2")
 - Show length and width of balconies (Tolerance 1")
 - Show inner dimensions of ducts and lift well. (Tolerance 1")
 - Show location of sunken slab.
 - Print an A3 size plan.
- 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 N.A

Specified thickness of slab? N.A

Actual thickness of slab? N.A

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Quality of centering, rod bending and concreting?	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad
Quality of starters?	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad
Number and size of honey combs?	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low
Are the honey combs in slab and columns packed?	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad
Number of beams that are sagging, bulging, caved or deflected in the slab by more than 1"	— N.A
Have 6 cubes each for columns and slab casted and numbered for testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks:	<p>1. Plinth Beam was not casted as per 'MD' Sir instruction.</p> <p>2. Reference level Marking on Columns was not provided.</p>

Curing	
Bunds for curing made on slab?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A
Bund size is less than 100 sft?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A
Drum (200 lts) provided for curing?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A
Gunny bags used for column curing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Distance of tap from furthest distance that requires curing. (max permitted 100')	70' 0"
Frequency of curing in number of times a day (enquire from labourers)	2 times
Is the pressure in the curing pipe more than 15' head?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Quality of infrastructure for curing.	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> 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 ✗)		Honeycombs	Plumb (✓ or ✗)		Reference level marked on column?
			Spec.	Actual	No of rods	Size of rods		Side 1	Side 2	
1.	A21	C2	6'0"	5'11"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	A19	C3	6'0"	6'1"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	A18	C3	5'3"	5'4"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	A16	C2	4'0"	4'1"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	C16	C4	4'0"	3'11"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	C18	C4	3'0"	3'1"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	C19	C5	3'4"	3'3"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	D21	C4	3'3"	3'4"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	F16	C3	4'0"	4'0"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	F18	C3	2'7"	2'6"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	F19	C3	3'0"	3'1"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	F21	C2	3'3"	3'2"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
13.	G19	C3	1'10"	1'9"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
14.	G20	C2	3'0"	2'9"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
15.	G21	C1	3'3"	2'2"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
16.	J21	RC3	5'7"	5'6"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No
17.	J20	C3	1'7"	1'6"	✓	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No

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S No	Col No.	Col type	Height in ft		Steel (✓ or X)	Size of rods	Honeycombs	Plumb (✓ or X)		Reference level marked on column?
			Spec.	Actual				Side 1	Side 2	
18.	J17	C3	1'7"	1'8"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19.	L16	C4	4'0"	4'1"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20.	L18	C3	3'7"	3'8"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
21.	L19	C4	3'11"	4'0"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
22.	L21	C3	3'6"	3'5"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
23.	O16	C4	4'0"	4'1"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
24.	O18	C4	2'7"	2'8"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
25.	O19	C5	3'7"	3'8"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
26.	N21	C3	4'3"	4'2"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
27.	O16	C2	4'0"	3'11"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
28.	O18	C2	3'2"	3'1"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
29.	O19	C2	6'6"	6'7"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
30.	O21	C2	6'11"	6'2"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
31.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
32.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
33.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
34.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
35.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
36.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
37.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
38.									<input type="checkbox"/> Yes <input type="checkbox"/> No	
39.									<input type="checkbox"/> Yes <input type="checkbox"/> No	