

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

Block No.	D-(422-428)	Column No.	06	Sl. No.	27381
Company	Pmv-II	Project	Pmv-II	Phase	II
Prepared by	P. Sat Kumar	Sign	P. Sat	Date	12/06/12
Project Manager	K. Srinath Kumar	Sign	KS	Date	12/06/12
Previous stage report no.	22258	Report filed and signed by PM?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Checked By MD on		MD 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Slab Dimensions Check.

Notes:

- Prepare Slab (or plinth 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Avg. <input type="checkbox"/> Bad
Quality of centering, rod bending and concreting?	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Avg. <input type="checkbox"/> Bad
Quality of starters?	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium. <input type="checkbox"/> Low
Number and size of honey combs?	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad
Are the honey combs is 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"	✓
Have 6 cubes each for columns and slab casted and numbered for testing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks:	

Curing.

Bunds for curing made on slab?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Bund size is less than 100 sft?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Drum (200 lbs) provided for curing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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')	10' 1.0"
Frequency of curing in number of times a day (enquire from labourers)	3 hours
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 checked="" type="checkbox"/> Good <input 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 ✗) No of rods	Size of rods	Honeycombs	Plumb (✓ or ✗)		Reference level marked on column?
			Spec.	Actual				Side 1	Side 2	
1.	—	C2	8'.2 1/2"	8'.2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	—	C3	8'.4 1/2"	8'.5 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	—	C2	8'.2 1/2"	8'.2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	—	C5	8'.4 1/2"	8'.4 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	—	C5	8'.4 1/2"	8'.5 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	—	C2	8'.2 1/2"	8'.2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	—	C2	8'.2 1/2"	8'.8 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	—	C4	8'.4 1/2"	8'.4 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.	—	C2	8'.2 1/2"	8'.2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10.	—	C2	8'.2 1/2"	8'.4 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	—	C2	8'.2 1/2"	8'.8 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	—	C2	8'.2 1/2"	8'.8 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.	—	C2	8'.2 1/2"	8'.7 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
14.	—	C5	8'.4 1/2"	8'.4 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
15.	—	C6	8'.4 1/2"	8'.4 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
16.	—	C2	8'.2 1/2"	8'.2 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
17.	—	C2	8'.2 1/2"	8'.8 1/2"	✓	✓	✓	✓	✓	<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)	Size of rods	Honeycombs	Plumb (✓ or X)		Reference level marked on column?
			Spec.	Actual				Side 1	Side 2	
18.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
19.	—	C5	8'-4 1/2"	8'-4 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
20.	—	C5	8'-4 1/2"	8'-5 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
21.	—	C2	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
22.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
23.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
24.	—	C7	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
25.	—	C5	8'-4 1/2"	8'-4 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
26.	—	C2	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
27.	—	C2	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
28.	—	C2	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
29.	—	C5	8'-4 1/2"	8'-4 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
30.	—	C5	8'-4 1/2"	8'-4 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
31.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
32.	—	C2	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
33.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
34.	—	C6	8'-4 1/2"	8'-4 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
35.	—	C7	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
36.	—	C7	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
37.	—	C7	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
38.	—	C2	8'-2 1/2"	8'-2 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
39.	—	C7	8'-2 1/2"	8'-8 1/2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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			Spec.	Actual				Side 1	Side 2	
40.	—	C2	8'.2 1/2"	8'.9"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
41.	—	C6	8'.4 1/2"	8'.4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
42.	—	C7	8'.2 1/2"	8'.2"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
43.	—	C7	8'.2 1/2"	8'.8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
44.	—	C7	8'.7 1/2"	8'.7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
45.	—	C2	8'.2 1/2"	5'.7"	✓	✓	✓	✓	<input type="checkbox"/> Yes <input type="checkbox"/> No	
46.	—	C4	8'.4 1/2"	8'.4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
47.	—	C8	8'.9 1/2"	8'.5"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
48.	—	C5	8'.4 1/2"	8'.4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
49.	—	C4	8'.4 1/2"	8'.5"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
50.	—	C2	8'.7 1/2"	8'.8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
51.	—	C7	8'.7 1/2"	8'.8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
52.	—	C2	8'.7 1/2"	8'.7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
53.	—	C6	8'.4 1/2"	8'.4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
54.	—	C7	8'.7 1/2"	8'.7"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
55.	—	C7	8'.7 1/2"	8'.8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
56.	—	C5	8'.4 1/2"	8'.4"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
57.	—	C2	8'.7 1/2"	8'.8"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
58.	—	C3	8'.4 1/2"	8'.5"	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
59.	—	C2	8'.2 1/2"	8'.2"	✓	✓	✓	✓	<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	