Quality Control Check Repot. Stage: After Column Casting (villas)

Block No.	152	Column No.	02	Sl. No.	32717
Company	Nilgiri estates	Project	Nilgiri estate	Phase	II
Prepared by	P. Sai Kumar	Sign		Date	21/1/19
Project Manager	Srinivas	Sign		Date	21/1/19
Previous stage report no.		32397	Report filed and signed by PM?		☑ Yes ☐ No
Checked By MD on		MD Sign		For filling	☐ Yes ☐ 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?	5"	Actual thickness of slab?	5"

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Quality of centering, rod bending and concreting.

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"	–
Have 6 cubes each for columns and slab casted and numbered for testing?	☑ Yes ☐ No
Remarks:	

Curing.

Bunds for curing made on slab?	☑ Yes ☐ No
Bund 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')	60'-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?	☑ 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 ✕)		Honeycombs	Plumb (✓ or ✕)		Reference level marked on column?
			Spec.	Actual	No of rods	Size of rods		Side 1	Side 2	
1.	B2	C1	8'-7"	8'-6"	✓	✓	✓	✓	✓	☑ Yes ☐ No
2.	B3	C1	8'-7"	8'-7"	✓	✓	✓	✓	✓	☑ Yes ☐ No
3.	B5	C1	8'-7"	8'-8"	✓	✓	✓	✓	✓	☑ Yes ☐ No
4.	A5	C1	8'-7"	8'-6"	✓	✓	✓	✓	✓	☑ Yes ☐ No
5										☐ Yes ☐ No
6										☐ Yes ☐ No
7										☐ Yes ☐ No
8										☐ Yes ☐ No
9.										☐ Yes ☐ No
10.										☐ Yes ☐ No
11.										☐ Yes ☐ No
12.										☐ Yes ☐ No
13.										☐ Yes ☐ No
14.										☐ Yes ☐ No
15.										☐ Yes ☐ No
16.										☐ Yes ☐ No
17.										☐ Yes ☐ No
18.										☐ Yes ☐ No
19.										☐ Yes ☐ No
20.										☐ Yes ☐ No