

Quality Control Check Report      Stage: After Column Casting (villas)

Block No.	10	Column No.	01	Sl. No.	28203
Company	SOV LLP	Project	SOV	Phase	TX
Prepared by	M. Teja Sridhar	Sign	AT	Date	12/10/12
Project Manager	K. Rvshottam	Sign	RS	Date	12/10/12
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	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 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?     Yes    No
- Specified thickness of slab?    —      Actual thickness of slab?    —

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Quality of centering, rod bending and concreting.

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 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?	
Remarks:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Curing.

Bunds for curing made on slab?	<input type="checkbox"/> Yes <input type="checkbox"/> No	—
Bund size is less than 100 sft?	<input 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')	30'	
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.	—	C <sub>3</sub>	8'.4 1/2"	8'.9"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	—	C <sub>2</sub>	8'.4 1/2"	8'.9"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	—	C <sub>1</sub>	8'.7 1/2"	8'.10"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	—	C <sub>1</sub>	8'.7 1/2"	8'.10"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	—	C <sub>4</sub>	8'.4 1/2"	8'.10"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	—	C <sub>2</sub>	8'.7 1/2"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	—	C <sub>2</sub>	8'.7 1/2"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	—	C <sub>1</sub>	8'.7"	9'.0"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.	—	C <sub>2</sub>	8'.7"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10.	—	C <sub>2</sub>	8'.7"	8'.8 1/2"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	—	C <sub>3</sub>	S.T	S.T	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	—	C <sub>1</sub>	S.T	S.T	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.	—	C <sub>1</sub>	8'.7"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
14.	—	C <sub>1</sub>	8'.7"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
15.	—	C <sub>1</sub>	8'.9"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
16.	—	C <sub>1</sub>	8'.7"	8'.11"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
17.										<input type="checkbox"/> Yes <input type="checkbox"/> No
18.										<input type="checkbox"/> Yes <input type="checkbox"/> No
19.										<input type="checkbox"/> Yes <input type="checkbox"/> No
20.										<input type="checkbox"/> Yes <input type="checkbox"/> No