

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

Block No.	50	Column No.	01	Sl. No.	3264
Company	Sov (LIP)	Project	Sov	Phase	TR
Prepared by	V. Sanketh	Sign	V. Sanketh	Date	09/01/19
Project Manager	K. Ramesh Babu	Sign	[Signature]	Date	09/01/19
Previous stage report no.	32265	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.

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 type="checkbox"/> Yes <input type="checkbox"/> No | N/A |
| Specified thickness of slab? | - | Actual thickness of slab? - |

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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 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"	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad
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 type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bund size is less than 100 sqft?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drum (200 lts) provided for curing?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gunny bags used for column curing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Distance of tap from furthest distance that requires curing. (max permitted 100')	10-10"	
Frequency of curing in number of times a day (enquire from labourers)	5 times	
Is the pressure in the curing pipe more than 15' head?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input 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	<input 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 ✗)	Size of rods	Honeycombs	Plumb (✓ or ✗)		Reference level marked on column?
			Spec.	Actual				Side 1	Side 2	
1.	A1	C1	8'-7"	8'-7"	✓	✓	✓	✓	✓	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2.	A2	C2	8'-5"	8'-4 1/2"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
3.	A3	C1	8'-5"	8'-5 1/2"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
4.	B1	C1	8'-2"	8'-6"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
5.	B2	C2	8'-7"	8'-7"	✓	✓	✓	✓	✓	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
6.	B3	C1	8'-2"	8'-6"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
7.	C1	C1	8'-7"	8'-6"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
8.	C-	C2	8'-4"	8'-5"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
9.	C3	C2	8'-4"	8'-4"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
10.	D1	C1	8'-7"	8'-7"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
11.	D2	C2	8'-7"	8'-6"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
12.	D3	C3	8'-4"	8'-5"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
13.	E1	C1	stairs	stairs	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
14.	E2	C1	8'-7"	8'-6"	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
15.	F1	C3	stairs	stairs	✓	✓	✓	✓	✓	Yes <input type="checkbox"/> No <input type="checkbox"/>
16.	F-	C4	8'-4"	8'-4"	✓	✓	✓	✓	✓	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
17.										Yes <input type="checkbox"/> No <input type="checkbox"/>
18.										Yes <input type="checkbox"/> No <input type="checkbox"/>
19.										Yes <input type="checkbox"/> No <input type="checkbox"/>
20.										Yes <input type="checkbox"/> No <input type="checkbox"/>