

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

Block No.	80	Column No.	01	Sl. No.	28677
Company	MRM (LTP)	Project	AVR Gokulnagar	Phase	
Prepared by	S. Sundar Kumar	Sign	SK	Date	15/12/17
Project Manager	Sundar Kumar	Sign	Jayaram	Date	15/12/17
Previous stage report no.	28572	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:**

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? | NA | Actual thickness of slab? | NA |
|------------------------------|----|---------------------------|----|

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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 type="checkbox"/> Avg. <input type="checkbox"/> Bad
Are the honey combs is slab and columns packed?	NA	
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:		

<u>Curing.</u>		
Bunds for curing made on slab?	NA	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bund size is less than 100 sft?	NA	<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')	80-100'	
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.	A1	C2	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.	A4	C2	8'-4 1/2"	8'-6"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	A5	C2	8'-4 1/2"	8'-7"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4.	B3	C2	8'-7 1/2"	8'-6"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.	C1	C1	8'-4 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.	D4	C2	8'-4 1/2"	8'-5"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.	D5	C1	8'-7 1/2"	8'-9"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8.	E1	C1	8'-7 1/2"	8'-5"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9.	E4	C2	8'-7 1/2"	8'-4"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10.	F5	C2	S.T.	S.T.	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11.	G2	C3	7'-10"	7'-10"	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12.	G5	C2	S.T.	S.T.	✓	✓	✓	✓	✓	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13.										<input type="checkbox"/> Yes <input type="checkbox"/> No
14.										<input type="checkbox"/> Yes <input type="checkbox"/> No
15.										<input type="checkbox"/> Yes <input type="checkbox"/> No
16.										<input 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