

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

|                           |  |                                |                    |         |          |
|---------------------------|--|--------------------------------|--------------------|---------|----------|
| Block No.                 | 35   | Column No.                     | 01                 | Sl. No. | 28292    |
| Company                   | MRM (P)  | Project                        | Agill Gulmohra     | Phase   |          |
| Prepared by               | S. Smit Kumar  | Sign                           | <i>[Signature]</i> | Date    | 26/10/17 |
| Project Manager           | Simon Kumar  | Sign                           | <i>[Signature]</i> | Date    | 26/10/17 |
| Previous stage report no. |  | Report filed and signed by PM? |                    |         |          |
| Checked By MD on          |  | 28153                          | MD Sign            |         |          |
| Recommendation:           | <input type="checkbox"/> Stop further work. Submit ATR on QC report to QC team. Proceed only after recheck by QC.<br><input type="checkbox"/> Stop further work. Proceed with work after submitting ATR on QC report to QC team.<br><input type="checkbox"/> Proceed with further work only after making corrections pointed out in the QC report. ATR not required.<br><input checked="" type="checkbox"/> 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?  Yes  No

Actual thickness of slab?  Yes  No

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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, carved or deflected in the slab by more than 1"  Good  Avg.  Bad

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 sqft?  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')

Frequency of curing in number of times a day (enquire from labourers) *60-0*

Is the pressure in the curing pipe more than 15' head?  Yes  No *2.5 kinnos*

Quality of infrastructure for curing.  Good  Avg.  Bad

Remarks:

**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'-4 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 2.   | A3      | C1       | 8'-4 1/2"    | 8'-5 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 3.   | A5      | C1       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 4.   | B1      | C1       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 5.   | B2      | C2       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 6.   | B5      | C1       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 7.   | C1      | C1       | 8'-4 1/2"    | 8'-5 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 8.   | D2      | C1       | 8'-4 1/2"    | 8'-4 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 9.   | D5      | C1       | 8'-4 1/2"    | 8'-4"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 10.  | E1      | C1       | S.T          | S.T       | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 11.  | F1      | C1       | S.T          | S.T       | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 12.  | E4      | C3       | 8'-10 1/2"   | 8'-5"     | ✓              | ✓            | ✓          | ✓              | ✓      | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 13.  |         |          |              |           |                |              |            |                |        | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 14.  |         |          |              |           |                |              |            |                |        | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 15.  |         |          |              |           |                |              |            |                |        | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 16.  |         |          |              |           |                |              |            |                |        | Yes <input 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"/> |