

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

|  |              |            |          |                                |   |
|--|--------------|------------|----------|--------------------------------|---|
| Block No.  | 21           | Column No. | 02       | Sl. No.                        | 22856.  |
| Company  | MAM (UN)     | Project    | ACH      | Phase                          |   |
| Prepared by  | P. Sai Kumar | Sign       | Redy     | Date                           |   |
| Project Manager  | Suresh Kumar | Sign       | Suresh K | Date                           | 04/01/18  |
| Previous stage report no.  |              | MD Sign    | 28608    | 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            |
| <b>Recommendation:</b>   |              |            |          |                                |   |
| <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 checked="" type="checkbox"/> Proceed with further work only after making corrections pointed out in the QC report. ATR not required.<br><input type="checkbox"/> 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? | 4 1/2" | Actual thickness of slab? | 4 1/2" |
|------------------------------|--------|---------------------------|--------|

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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"/> High <input checked="" type="checkbox"/> Medium. <input type="checkbox"/> Low |
| Number and size of honey combs?   | <input type="checkbox"/> Good <input checked="" type="checkbox"/> Avg. <input type="checkbox"/> Bad    |
| Are the honey combs is slab and columns packed?   |  |
| 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:  | <i>Note: (1) Very poor concreting work and reference level not marked on columns.</i>                  |

|   |   |
|---|---|
| <b>Curing.</b>  |   |
| Bunds for curing made on slab?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Bundle size is less than 100 sqft?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Drum (200 ltr) provided for curing?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                 |
| Jimmy 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') | <i>200'</i>   |
| Frequency of curing in number of times a day (enquire from labourers)             | <i>2 (times)</i>  |
| 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 checked="" 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 ✗) |              | Honeycombs | Plumb (✓ or ✗) |        | Reference level marked on column?                                   |
|------|---------|----------|--------------|-----------|----------------|--------------|------------|----------------|--------|---|
|      |         |          | Spec.        | Actual    | No of rods     | Size of rods |            | Side 1         | Side 2 |   |
| 1.   | E4      | C2       | 8'-7 1/2"    | 8'-6 1/2" | ✓              | ✓            | ✗          | ✓              | ✗      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2.   | F5      | C2       | 8'-7 1/2"    | 8'-6 1/2" | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3.   | G2      | C3       | 8'-7 1/2"    | 8'-7"     | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 4.   | G5      | C2       | 8'-7 1/2"    | 8'-7 1/4" | ✓              | ✓            | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 6.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 7.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 8.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 9.   |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 10.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 11.  |         |          |              |           |                |              |            |                |        | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 12.  |         |          |              |           |                |              |            |                |        | <input 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            |