

**Quality Control Check Report.**

Stage: After Column Casting (villas)

|  |                 |                                |                    |             |   |
|--|-----------------|--------------------------------|--------------------|-------------|---|
| Block No.  | 14              | Column No.                     | 02                 | Sl. No.     | 29002   |
| Company  | KUM             | Project                        | Blossdale          | Phase       | -   |
| Prepared by  | P-Sai Kumar     | Sign                           | <i>[Signature]</i> | Date        | 13/01/18  |
| Project Manager  | Balarami Venkha | Sign                           | <i>[Signature]</i> | Date        | 13/01/18  |
| 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:  |                 |                                |                    |             |   |
| <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.

**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.

|                                       |   |                              |
|---------------------------------------|---|------------------------------|
| Columns Position Check Plan enclosed? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Actual dimension next to it. |
| Slab Dimensions Check                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Actual dimension next to it. |
| Slab Dimensions Check Plan enclosed?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Actual dimension next to it. |
| Specified thickness of slab?          | 4 11"   | Actual thickness of slab?    |
|                                       | 4 11"   | 4 11"                        |

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

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

Curing.

|   |   |
|---|---|
| Hands for curing made on slabs?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Hand size is less than 100 sqft?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                 |
| Drum (200 lts) provided for curing?   | <input type="checkbox"/> Yes <input checked="" 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') | 20' 0"  |
| 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:  |   |

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    |                |            | Side 1         | Side 2 |   |
| 1.   | —       | C4       | 8'-2 1/2"    | 8'-2 1/2" | ✓              | ✓          | ✓              | ✓      | <input type="checkbox"/> Yes <input type="checkbox"/> No            |
| 2.   | —       | C2       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3.   | —       | C3       | 8'-4 1/2"    | 8'-4"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4.   | —       | C4       | 8'-2 1/2"    | 8'-2"     | ✓              | ✗          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5.   | —       | C4       | 8'-2 1/2"    | 8'-2 1/2" | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6.   | —       | C4       | 8'-1 1/2"    | 8'-2"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7.   | —       | C4       | 8'-4 1/2"    | 8'-4"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8.   | —       | C4       | 8'-2 1/2"    | 8'-2"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9.   | —       | C4       | 8'-2 1/2"    | 8'-2"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10.  | —       | C5       | 8'-1 1/2"    | 8'-2"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 11.  | —       | C1       | 8'-1 1/2"    | 8'-2"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 12.  | —       | C4       | 8'-4 1/2"    | 8'-4"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 13.  | —       | C3       | 8'-4 1/2"    | 8'-5"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 14.  | —       | C4       | 8'-2 1/2"    | 8'-2 1/2" | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 15.  | —       | C4       | 8'-1 1/2"    | 8'-8"     | ✓              | ✓          | ✓              | ✓      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 16.  | —       | C1       | 8'-2 1/2"    | 8'-8"     | ✓              | ✓          | ✓              | ✓      | <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            |