

| COLUMN SCHEDULE |            |             | FOUNDATION TO TOP. |            |            |            | SECTION | RINGS |
|-----------------|------------|-------------|--------------------|------------|------------|------------|---------|-------|
| NO.             | COLUMN NO. | COLUMN SIZE | REINF.             | STIRRUPS   |            | END REGION |         |       |
| 1.              | C1         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 2.              | C2         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 3.              | C3         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 4.              | C4         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 5.              | C5         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 6.              | C6         | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 7.              | C7         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 8.              | C8         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 9.              | C9         | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 10.             | C10        | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 11.             | C11        | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 12.             | C12        | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 13.             | C13        | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 14.             | C14        | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 15.             | C15        | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |

| COLUMN SCHEDULE |            |             | FOUNDATION TO TOP. |            |            |            | SECTION | RINGS |
|-----------------|------------|-------------|--------------------|------------|------------|------------|---------|-------|
| NO.             | COLUMN NO. | COLUMN SIZE | REINF.             | STIRRUPS   |            | END REGION |         |       |
| 16.             | C 16       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 17.             | C 17       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 18.             | C 18       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 19.             | C 19       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 20.             | C 20       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 21.             | C 21       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 22.             | C 22       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 23.             | C 23       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 24.             | C 24       | 9" x 18"    | 04-#16 + 04-#12    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 25.             | C 25       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 26.             | C 26       | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 27.             | C 27       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 28.             | C 28       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 29.             | C 29       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 30.             | C 30       | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |

| COLUMN SCHEDULE |            |             | FOUNDATION TO TOP. |            |            |            | SECTION | RINGS |
|-----------------|------------|-------------|--------------------|------------|------------|------------|---------|-------|
| NO.             | COLUMN NO. | COLUMN SIZE | REINF.             | STIRRUPS   |            | END REGION |         |       |
| 31.             | C 31       | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 32.             | C 32       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 33.             | C 33       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 34.             | C 34       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 35.             | C 35       | 9" x 18"    | 04-#20 + 04-#16    | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 36.             | C 36       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 37.             | C 37       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 38.             | C 38       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 39.             | C 39       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |
| 40.             | C 40       | 9" x 18"    | 08-#16             | 8#- 4" c/c | 8#- 6" c/c |            |         |       |

ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE: A/934749/2

#### FOOTING TABLE

| Footng | Length | Width | d   | D   | Reinf. in 'X' Dir. | Reinf. in 'Y' Dir. |
|--------|--------|-------|-----|-----|--------------------|--------------------|
| F-1    | 4'-6"  | 5'-6" | 8"  | 18" | 10#@6"c/c          | 10#@6"c/c          |
| F-2    | 6'-3"  | 7'-3" | 10" | 20" | 10#@4"c/c          | 10#@4"c/c          |
| F-3    | 7'-0"  | 8'-0" | 10" | 20" | 12#@5"c/c          | 12#@5"c/c          |
| F-4    | 7'-6"  | 8'-6" | 10" | 20" | 12#@5"c/c          | 12#@5"c/c          |
| F-5    | 7'-0"  | 6'-0" | 10" | 20" | 10#@5"c/c          | 10#@5"c/c          |
| F-6    | 5'-0"  | 6'-0" | 10" | 20" | 10#@6"c/c          | 10#@6"c/c          |

#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTER UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

#### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM2 CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HEIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | Ld <sup>+</sup> | Ldc |
|-------------|-----------------|-----|
| M-25        | 49Ø             | 39Ø |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8Ø@8"C/C UNLESS OTHERWISE MENTIONED.

#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR- GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                  | BOTTOM      | TOP         | SIDES                                                                       |
|---------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------|
| SLAB                                        | 3/4"(20MM.) | 2/3"(15MM.) |                                                                             |
| FOOTING                                     | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                   |
| RETAINING WALL                              |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                         |
| COLUMNS                                     |             |             | 1 1/2"(40MM.)                                                               |
| BEAMS, LINTEL                               | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                   |
| WALLS,FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON ERTH SIDE)<br>where applicable |

#### IMPORTANT NOTES

- DESIGNED FOR G+1 ONLY. (NO FUTURE EXPANSION)  
CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.  
DESIGN FOR GRAVITY LOADS ONLY

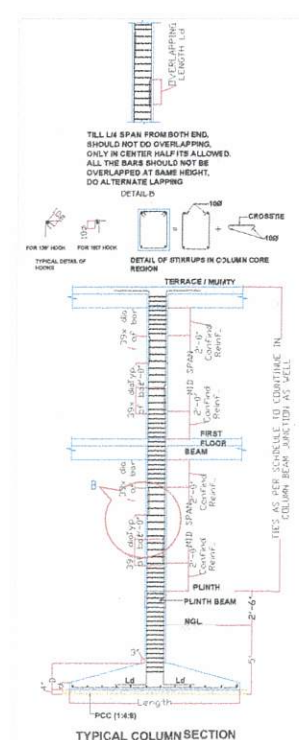
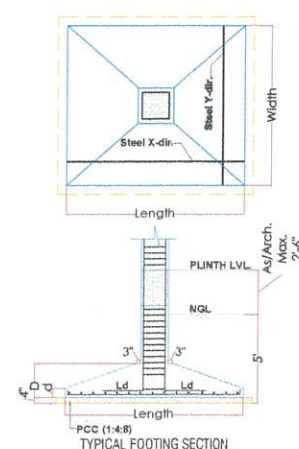
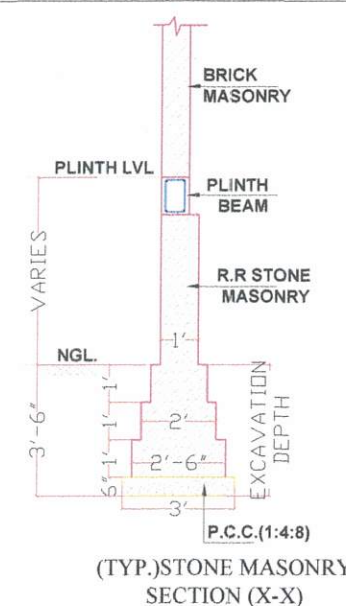
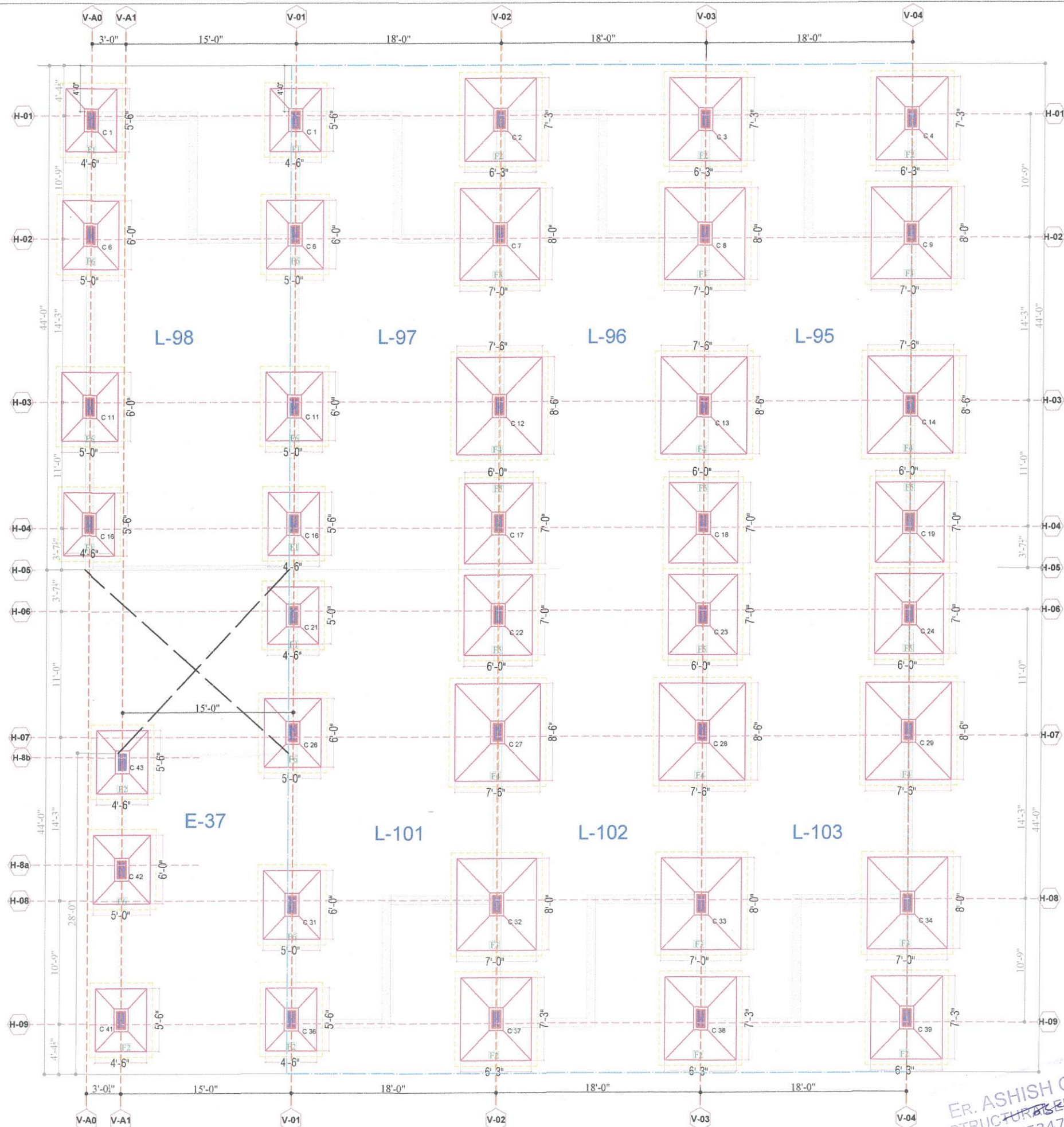
PROJECT TITLE :- PROPOSED RESIDENTIAL SCHIEME  
"RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA, TEH.- SANGANER, JAIPUR.  
UNDER KHASRA NO - 202, 203/577

DRG. TITLE :-  
COLUMN SCHEDULE & FOOTING DETAIL

ARCHITECTS  
AIM  
ENGINEERS & ARCHITECTS  
#105 FL. FL. SHIV GYAN AVENUE  
PLOT NO. 2 YICKSHI-TER MARG,  
OPP. YOUNA BHAWAN, C-SHEME  
JAIPUR.

STRUCTURE CONSULTANT:-  
APEKSHA DESIGN  
D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

| DRG. NO.   | DATE         | REV.  |
|------------|--------------|-------|
| S. NO.- 02 | 12/09/2023   | R- 01 |
| CAD. DEV.  | DESIGN BY.   |       |
| DEEPAK     | ASHISH GUPTA |       |



- GENERAL NOTES:-**
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  4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

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1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM2 CONFORMING TO IS 1786-1985, SHALL BE USED.
  2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
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- | CONC. GRADE | Ldt | Ldc |
|-------------|-----|-----|
| M-25        | 49Ø | 39Ø |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF Ø8@8"C/C UNLESS OTHERWISE MENTIONED.

**CONCRETE DETAILS**

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                   | BOTTOM      | TOP         | SIDES                                                                    |
|----------------------------------------------|-------------|-------------|--------------------------------------------------------------------------|
| SLAB                                         | 3/4"(20MM.) | 2/3"(15MM.) |                                                                          |
| FOOTING                                      | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                |
| RETAINING WALL                               |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                      |
| COLUMNS                                      |             |             | 1 1/2"(40MM.)                                                            |
| BEAMS, LINTEL                                | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                |
| WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON ERTH SIDE) where applicable |

**IMPORTANT NOTES**

DESIGNED FOR G+1 ONLY. (NO FUTURE EXPANSION)  
CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.  
DESIGN FOR GRAVITY LOADS ONLY

**PROJECT TITLE :-** "RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA, TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

**DRG. TITLE :-** FOOTING PLAN

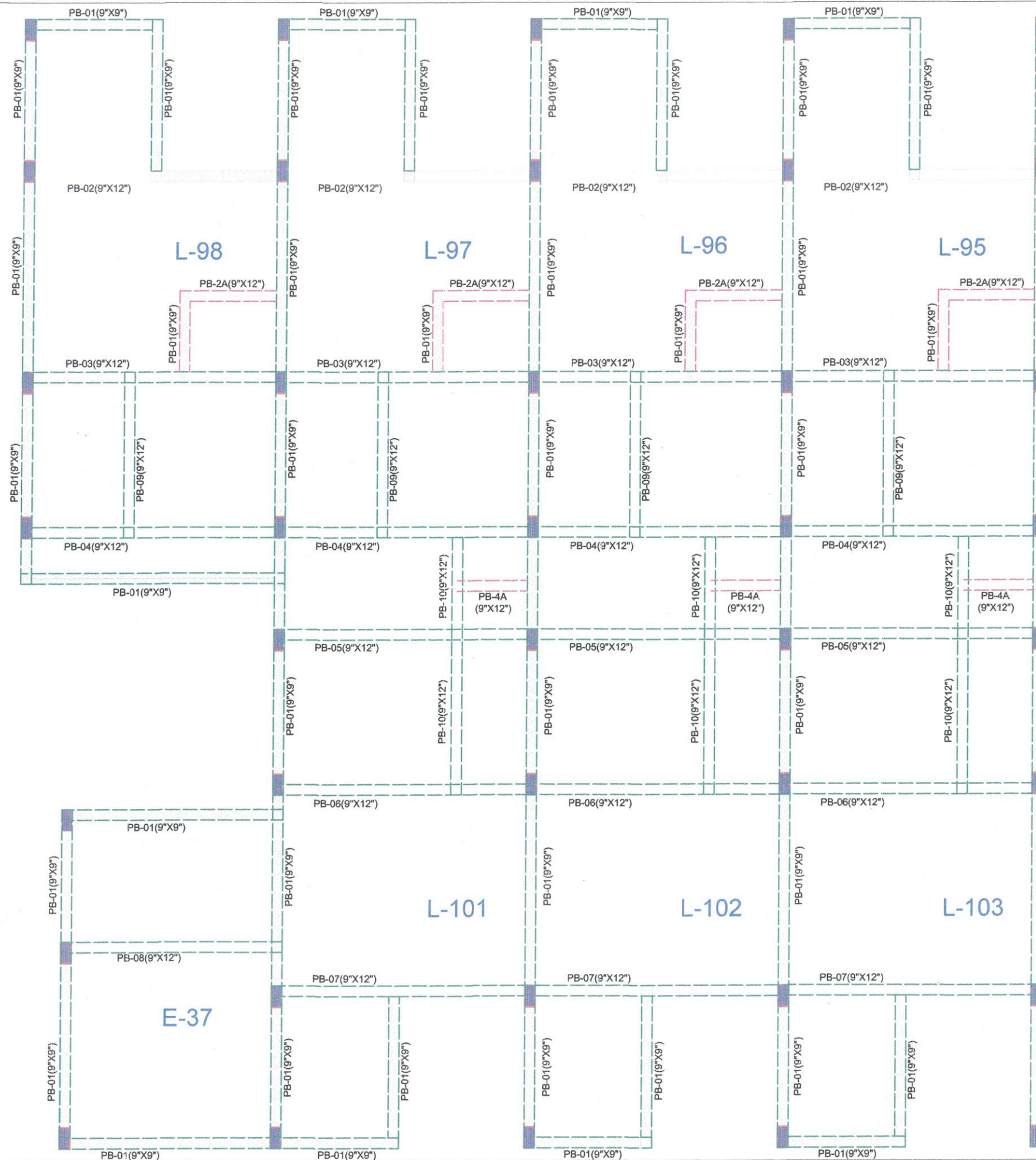
**ARCHITECTS**  
AIM  
ENGINEERS & ARCHITECTS  
#106 P.L. SHIV OYAN AVENUE  
PLOT NO. 2, YODHISTER MARG,  
OPP. YOUNA BHAWAN, C-Scheme  
JAIPUR.

**STRUCTURE CONSULTANT:-**  
**APEKSHA DESIGN**  
D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

| DRG. NO.  | DATE       | REV. |
|-----------|------------|------|
| S. NO.-01 | 12/09/2023 | R-01 |

**CAU DEV.** DEEPAK **DESIGN BY.** ASHISH GUPTA

ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE. A/534749/2



#### GENERAL NOTES:-

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#### REINFORCEMENT DETAILS

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3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | Ldt | Ldc |
|-------------|-----|-----|
| M-25        | 49Ø | 39Ø |

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#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR- GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                   | BOTTOM      | TOP         | SIDES                                                                     |
|----------------------------------------------|-------------|-------------|---------------------------------------------------------------------------|
| SLAB                                         | 3/4"(20MM.) | 2/3"(15MM.) |                                                                           |
| FOOTING                                      | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                 |
| RETAINING WALL                               |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                       |
| COLUMNS                                      |             |             | 1 1/2"(40MM.)                                                             |
| BEAMS, LINTEL                                | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                 |
| WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON EARTH SIDE) where applicable |

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CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.  
DESIGN FOR GRAVITY LOADS ONLY

PROJECT TITLE "RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA, TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

DRG. TITLE :- PLINTH BEAM PLAN

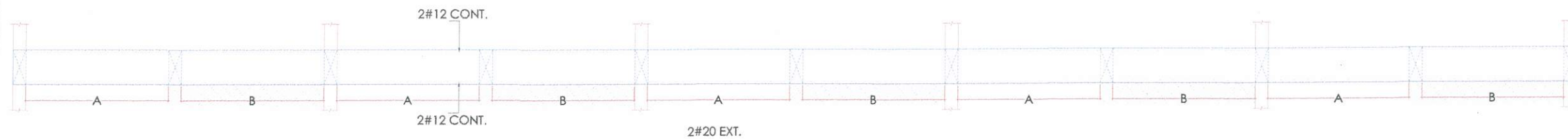
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AIM ENGINEERS & ARCHITECTS  
#105 FL. 3RD FLOOR, SANGANER  
PLOT NO. 2, YUDHISHTHIR MARG,  
OPP. YODHA BRUNNAN, G. SCHEME  
JAIPUR.

STRUCTURE CONSULTANT:-  
APEKSHA DESIGN  
D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

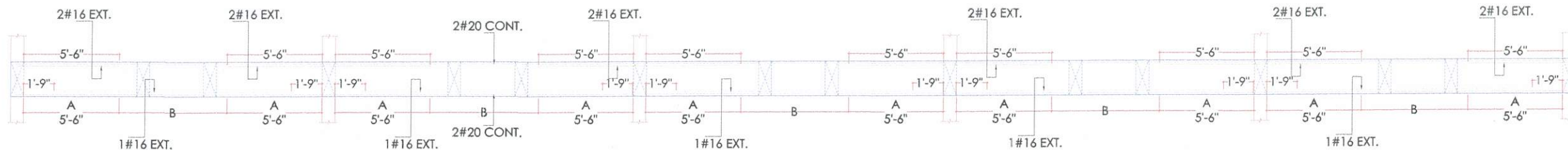
DRG. NO. S. NO.- 01  
DATE 10/10/2023  
REV. R- 01

CAD DEV. DEEPAK  
DESIGN BY. ASHISH GUPTA

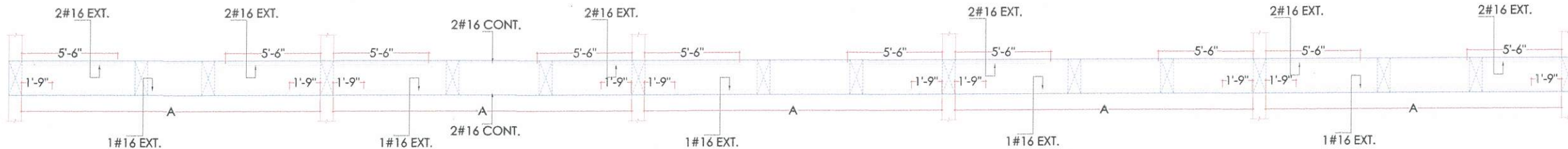
ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE: A/534749/2



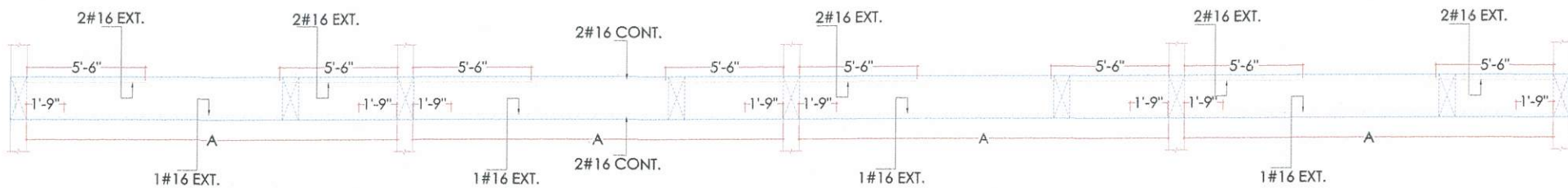
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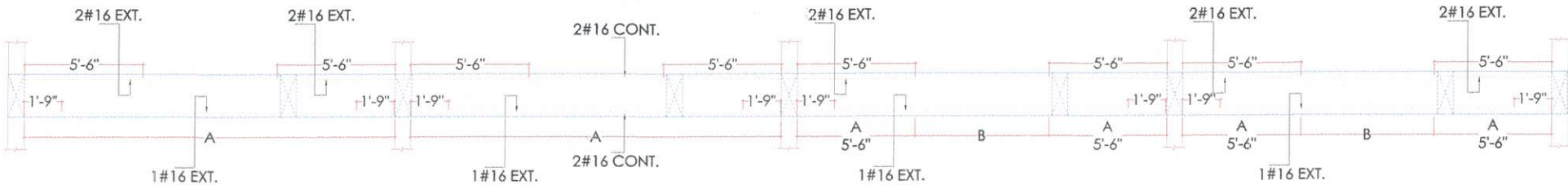
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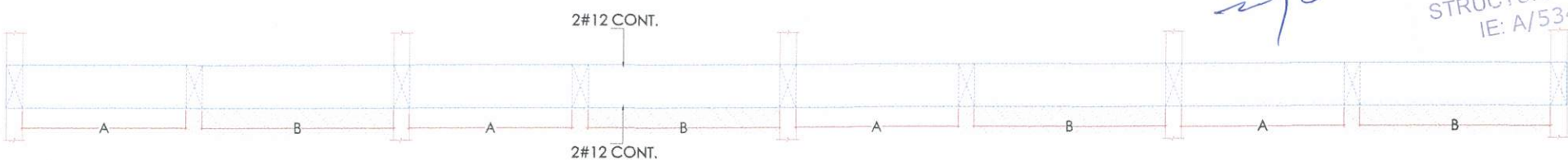
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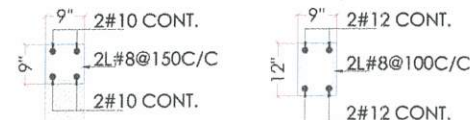
PB-05(9\"X12\")



PB-06(9\"X12\")



PB-07(9\"X12\")



PB-01(9\"X9\")

PB-02A(9\"X12\")

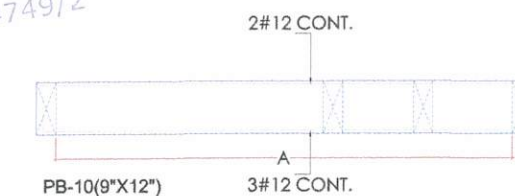
### RING DETAIL

A=2L#8@4\"C/C  
B=2L#8@6\"C/C



PB-09(9\"X12\")

PB-04A(9\"X12\")



PB-10(9\"X12\")

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### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS  $\phi$  WITH CHARACTERISTIC STRENGTH 500 N/MM<sup>2</sup> CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
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| CONC. GRADE | L <sub>dt</sub> | L <sub>dc</sub> |
|-------------|-----------------|-----------------|
| M-25        | 49 $\phi$       | 39 $\phi$       |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8 $\phi$ @8\"C/C UNLESS OTHERWISE MENTIONED.

### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADE'D AGGR-GATE SHALL BE 3/4\" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                  | BOTTOM       | TOP          | SIDES                                                                      |
|---------------------------------------------|--------------|--------------|----------------------------------------------------------------------------|
| SLAB                                        | 3/4\"(20MM.) | 2/3\"(15MM.) |                                                                            |
| FOOTING                                     | 2\"(50MM.)   | 2\"(50MM.)   | 2\"(50MM.)                                                                 |
| RETAINING WALL                              |              | 1\"(25MM.)   | 1 1/2\"(40MM.) (EARTH SIDE)<br>3/4\"(20MM.) (IN SIDE)                      |
| COLUMNS                                     |              |              | 1 1/2\"(40MM.)                                                             |
| BEAMS, LINTEL                               | 1\"(25MM.)   | 1\"(25MM.)   | 1\"(25MM.)                                                                 |
| WALLS,FLOOR SLAB & ROOF SLAB OF WATER TANK. |              |              | 1\"(25MM.) ON WATER FACE<br>1 1/2\"(40MM.) (ON ERTH SIDE) where applicable |

### IMPORTANT NOTES

- DESIGNED FOR G+1 ONLY. (NO FUTURE EXPANSION)  
CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.  
DESIGN FOR GRAVITY LOADS ONLY

PROJECT TITLE :- PROPOSED RESIDENTIAL SCHEME  
"RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA, TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/677

DRG. TITLE :- PLINTH BEAM DETAIL

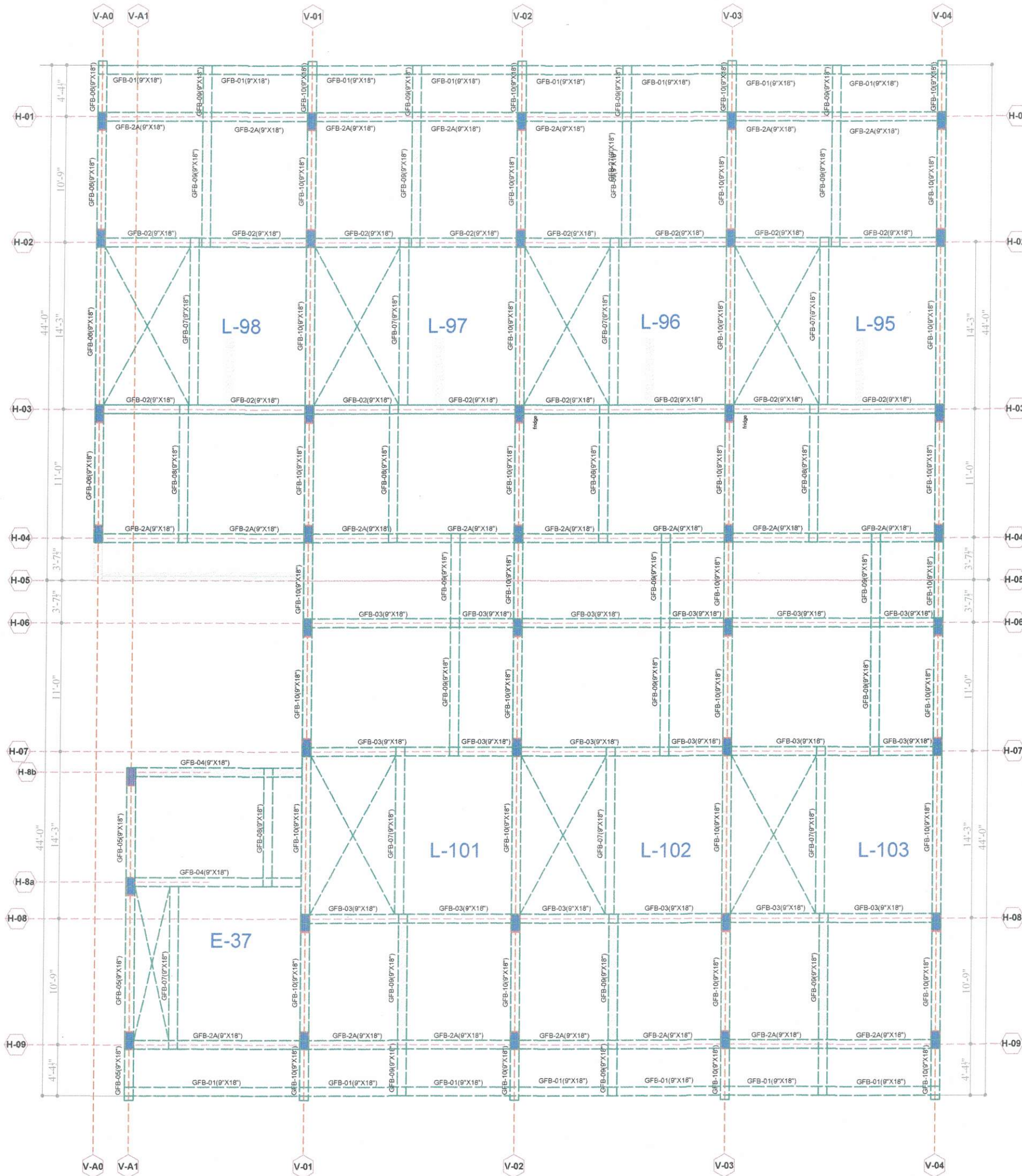
ARCHITECTS  
AIM  
ENGINEERS & ARCHITECTS  
#105 FL. PL. SHY DYAN AVENUE  
PLOT NO. 3 YODHSITER MARG,  
OPP. YOUNA BHAVAN, C-SCHEME  
JAIPUR.

STRUCTURE CONSULTANT:-  
APEKSHA DESIGN  
D-103/C. SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

DRG. NO. S. NO.-02 DATE 10/10/2023 REV. R-01

CAD DEV: DEEPAK DESIGN BY: ASHISH GUPTA

ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE: A/534749/2



#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTER UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

#### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS  $\phi$  WITH CHARACTERISTIC STRENGTH 500 N/MM<sup>2</sup> CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | Ld        | Ldc       |
|-------------|-----------|-----------|
| M-25        | 49 $\phi$ | 39 $\phi$ |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8 $\phi$ @8"C/C UNLESS OTHERWISE MENTIONED.

#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AG-GR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR               | BOTTOM      | TOP         | SIDES                                               |
|--------------------------|-------------|-------------|-----------------------------------------------------|
| SLAB                     | 3/4"(20MM.) | 2/3"(15MM.) |                                                     |
| FOOTING                  | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                           |
| RETAINING WALL           |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE) |
| COLUMNS                  |             |             | 1 1/2"(40MM.)                                       |
| BEAMS, LINTEL            | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                           |
| WALLS, FLOOR SLAB & ROOF |             |             | 1"(25MM.)                                           |
| SLAB OF WATER TANK.      |             |             | 1 1/2"(40MM.) (ON ERTH SIDE)<br>where applicable    |

#### IMPORTANT NOTES

CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.

#### PROJECT TITLE :-

"RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA, TEH- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

#### DRG. TITLE :-

GROUND FLOOR BEAM PLAN

ARCHITECTS

AIM  
ENGINEERS & ARCHITECTS  
B-10/3, B-10/3, B-10/3, B-10/3  
PLOT NO. 2, YLDRSHETER MARG,  
OPP. YOUNG MANUAL, C-ROHDE  
JAIPUR.

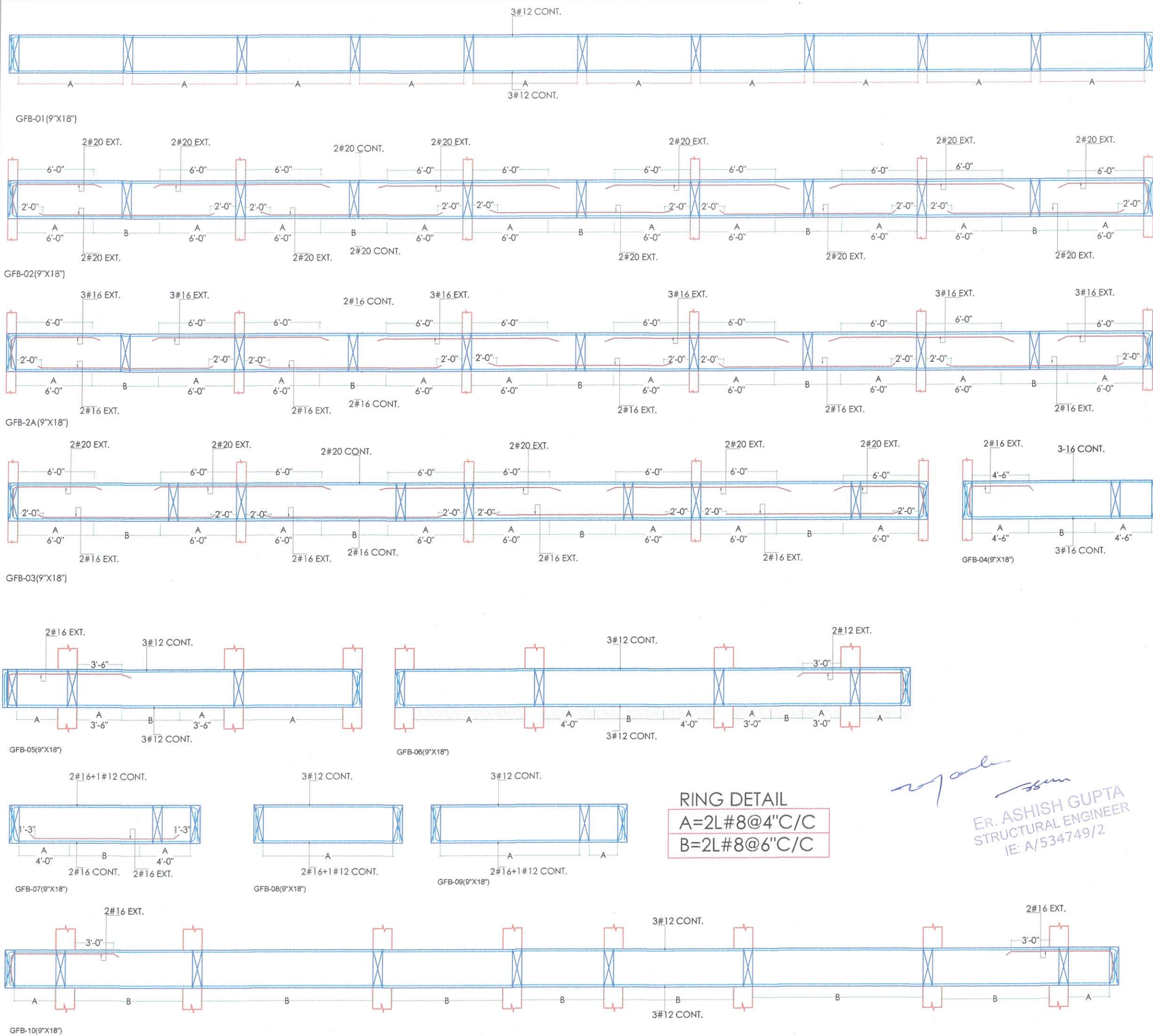
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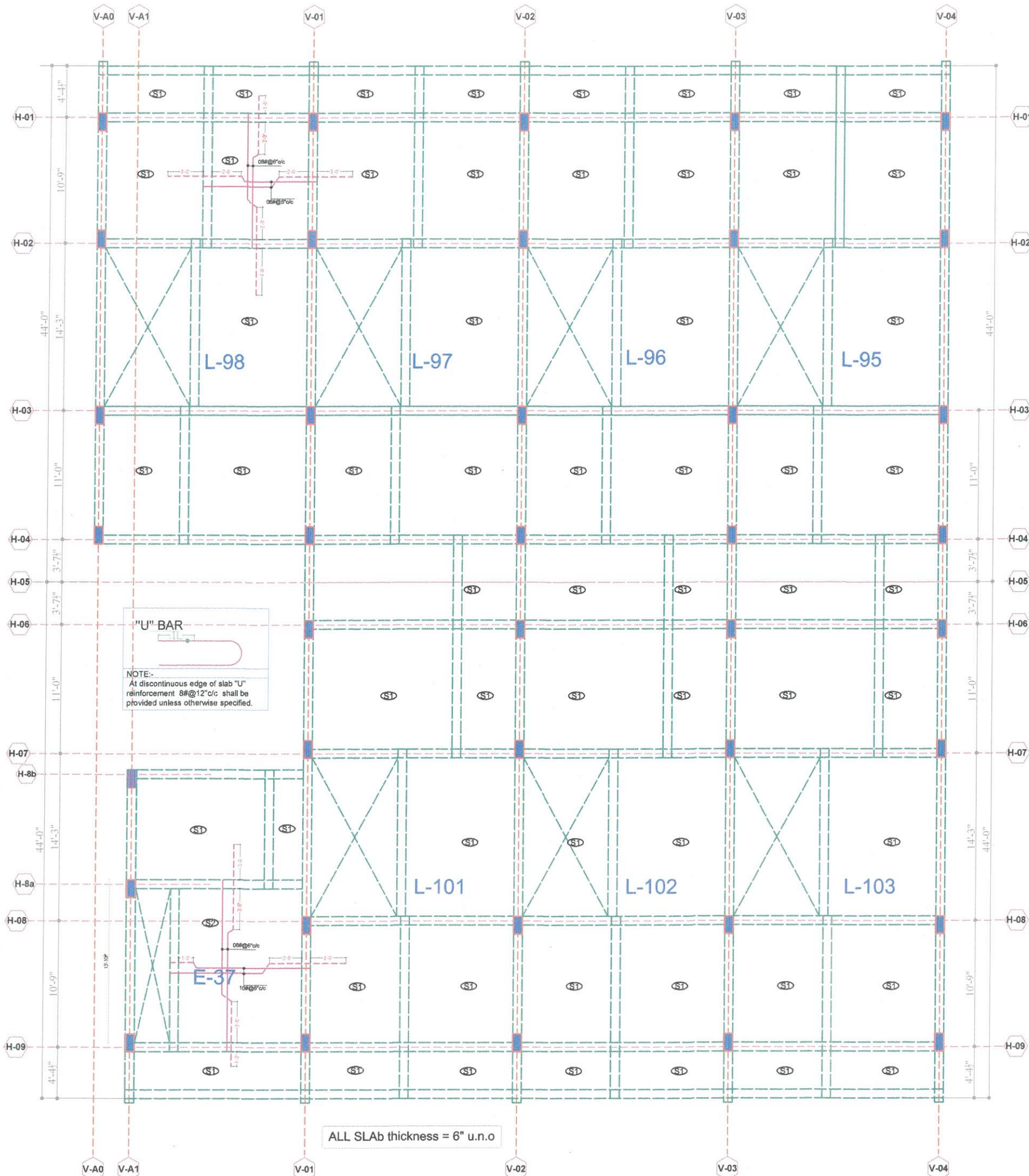
APEKSHA DESIGN  
D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

| DRG. NO.   | DATE       | REV.  |
|------------|------------|-------|
| S. NO.- 01 | 02/11/2023 | R- 00 |

| CAD    | DESIGN BY.   |
|--------|--------------|
| DEEPAK | ASHISH GUPTA |

ER. ASHISH GUPTA  
STRUCTURAL ENGINEER





#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

#### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM<sup>2</sup> CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | L <sub>dt</sub> | L <sub>dc</sub> |
|-------------|-----------------|-----------------|
| M-25        | 49Ø             | 39Ø             |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8Ø@8"C/C UNLESS OTHERWISE MENTIONED.

#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                   | BOTTOM      | TOP         | SIDES                                                                       |
|----------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------|
| SLAB                                         | 3/4"(20MM.) | 2/3"(15MM.) |                                                                             |
| FOOTING                                      | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                   |
| RETAINING WALL                               |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                         |
| COLUMNS                                      |             |             | 1 1/2"(40MM.)                                                               |
| BEAMS, LINTEL                                | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                   |
| WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON ERTH SIDE)<br>where applicable |

#### IMPORTANT NOTES

CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.

#### PROJECT TITLE :-

"RAVI KIRAN VIHAR"

AT VILLAGE-MOHANPURA, TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

#### DRG. TITLE :-

GROUND FLOOR SLAB DETAIL

ARCHITECTS

AIM  
ENGINEERS & ARCHITECTS  
#308 FL. E. BHW CHALAU AVENUE  
PLOT NO. 2 YUDHISTER MARU,  
OPP. YOUNG BHADRA, C-Scheme  
JAIPUR.

#### STRUCTURE CONSULTANT:-

APEKSHA DESIGN

D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

DRG. NO.

DATE

REV.

S. NO.- 01

02/11/2023

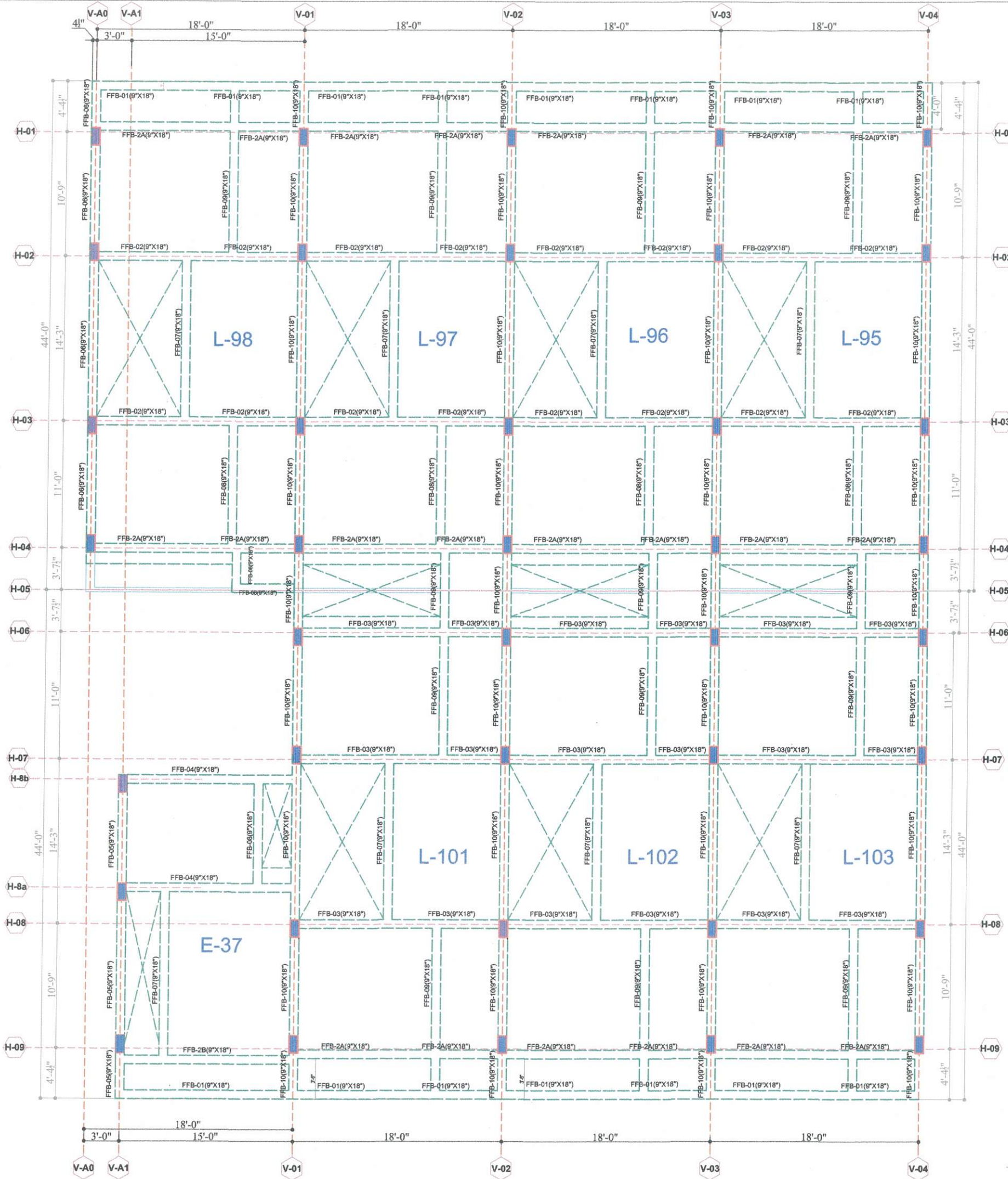
R- 00

CAD

DESIGN BY.

DEEPAK

ASHISH GUPTA



ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE: A/534749/2

**GENERAL NOTES:-**

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTER UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

**REINFORCEMENT DETAILS**

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM2 CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HEIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | Ldt | Ldc |
|-------------|-----|-----|
| M-25        | 49Ø | 39Ø |
5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8Ø@8"C/C UNLESS OTHERWISE MENTIONED.

**CONCRETE DETAILS**

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR- GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR              | BOTTOM      | TOP         | SIDES                                                             |
|-------------------------|-------------|-------------|-------------------------------------------------------------------|
| SLAB                    | 3/4"(20MM.) | 2/3"(15MM.) |                                                                   |
| FOOTING                 | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                         |
| RETAINING WALL          |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)               |
| COLUMNS                 |             |             | 1 1/2"(40MM.)                                                     |
| BEAMS, LINTEL           | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                         |
| WALLS,FLOOR SLAB & ROOF |             |             | 1"(25MM.)                                                         |
| SLAB OF WATER TANK.     |             |             | ON WATER FACE<br>1 1/2"(40MM.) (ON ERTH SIDE)<br>where applicable |

**IMPORTANT NOTES**

CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.

PROJECT TITLE :-  
"RAVI KIRAN VIHAR"  
AT VILLAGE-MOHANPURA ,TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

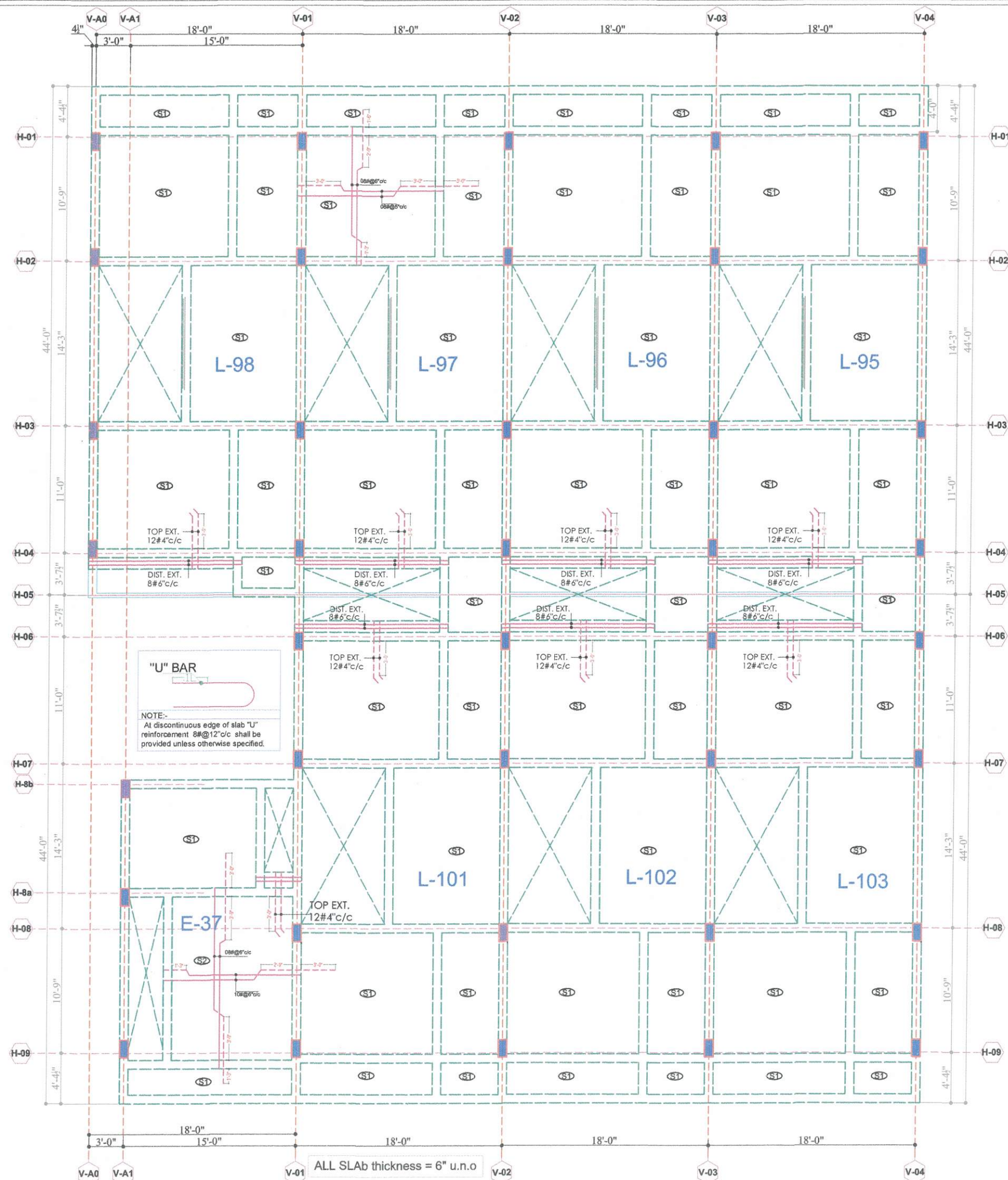
DRG. TITLE :-  
**FIRST FLOOR BEAM PLAN**

ARCHITECTS  
AIM ENGINEERS & ARCHITECTS  
PLOT NO. 2, YOUNG/TEH SANGANER, OPP. YOUNG BHAWAN, C. SCHEME JAIPUR.

STRUCTURE CONSULTANT:-  
**APEKSHA DESIGN**  
D-103/C, SIWAD AREA, BAPU NAGAR, TONK ROAD, JAIPUR.

|                      |                           |              |
|----------------------|---------------------------|--------------|
| DRG. NO.<br>S.NO.-01 | DATE<br>30/11/2023        | REV.<br>R-00 |
| CAD<br>DEEPAK        | DESIGN BY<br>ASHISH GUPTA |              |





#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
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#### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM<sup>2</sup> CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | L <sub>dt</sub> | L <sub>dc</sub> |
|-------------|-----------------|-----------------|
| M-25        | 49Ø             | 39Ø             |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8Ø@8"C/C UNLESS OTHERWISE MENTIONED.

#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                   | BOTTOM      | TOP         | SIDES                                                                       |
|----------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------|
| SLAB                                         | 3/4"(20MM.) | 2/3"(15MM.) |                                                                             |
| FOOTING                                      | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                   |
| RETAINING WALL                               |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                         |
| COLUMNS                                      |             |             | 1 1/2"(40MM.)                                                               |
| BEAMS, LINTEL                                | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                   |
| WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON ERTH SIDE)<br>where applicable |

#### IMPORTANT NOTES

CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.

#### PROJECT TITLE :-

"RAVI KIRAN VIHAR"

AT VILLAGE-MOHANPURA ,TEH.- SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/577

#### DRG. TITLE :-

FIRST FLOOR SLAB PLAN

ARCHITECTS

AIM  
ENGINEERS & ARCHITECTS  
F-101, P.L. ROAD, DDA AVENUE  
PLOT NO.-2 TUSKARTER MARG,  
OPP. YOUNG INDIAN, C SCHEME  
JAIPUR.

#### STRUCTURE CONSULTANT:-

APEKSHA DESIGN  
D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

DRG. NO.  
S. NO.- 01

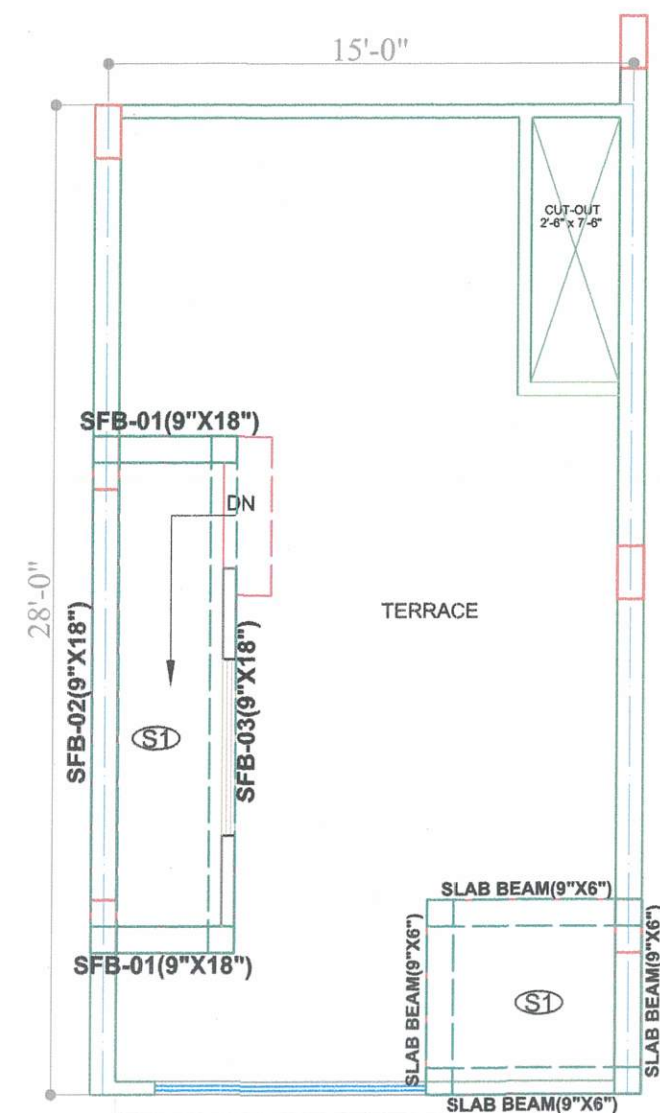
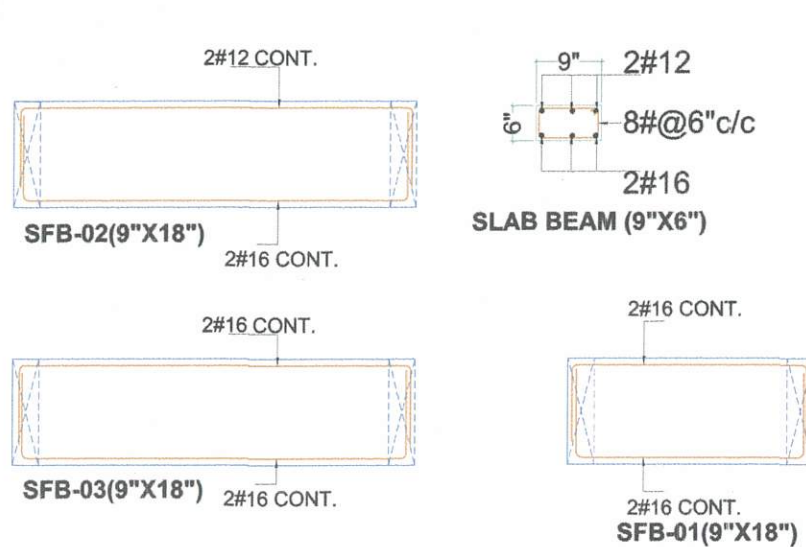
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R- 00

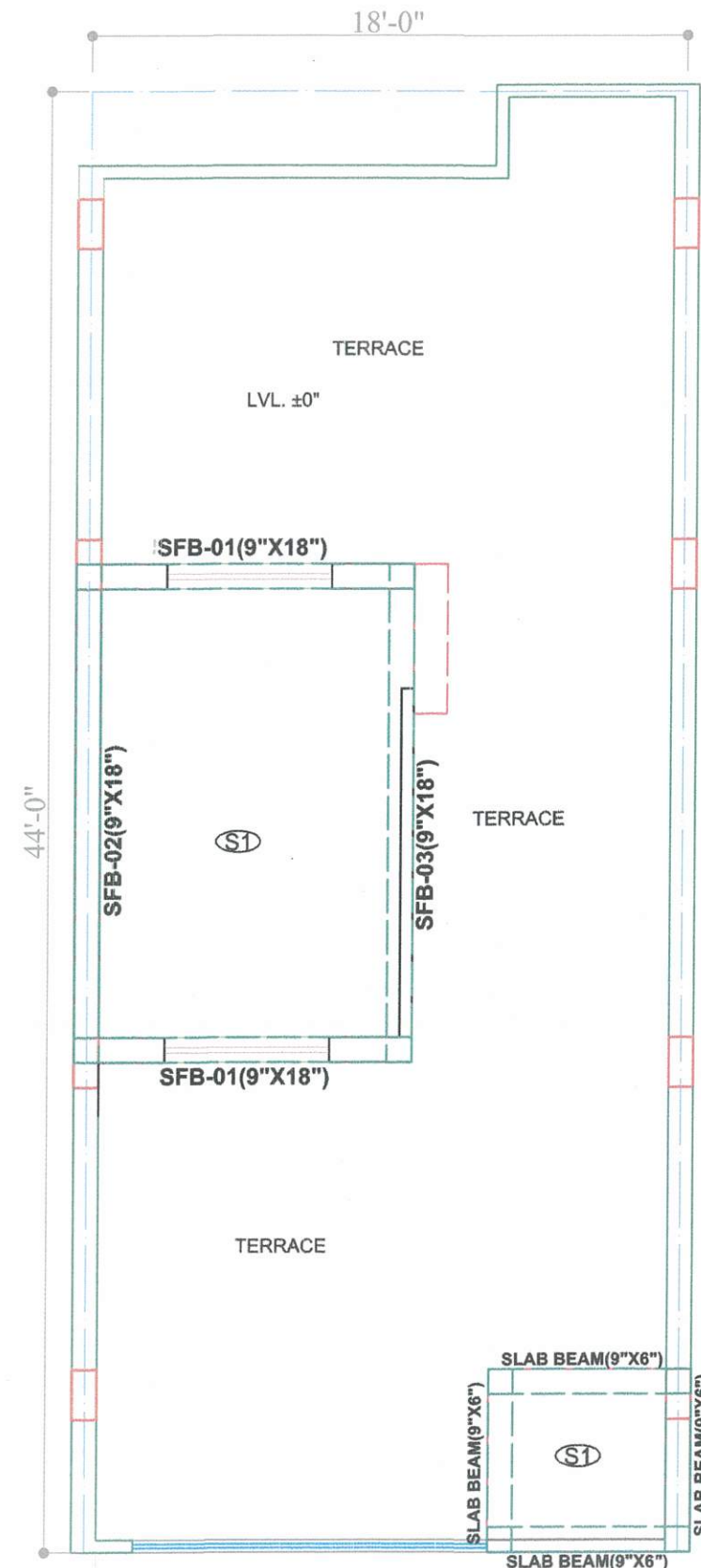
CAD  
DEEPAK

DESIGN BY  
ASHISH GUPTA

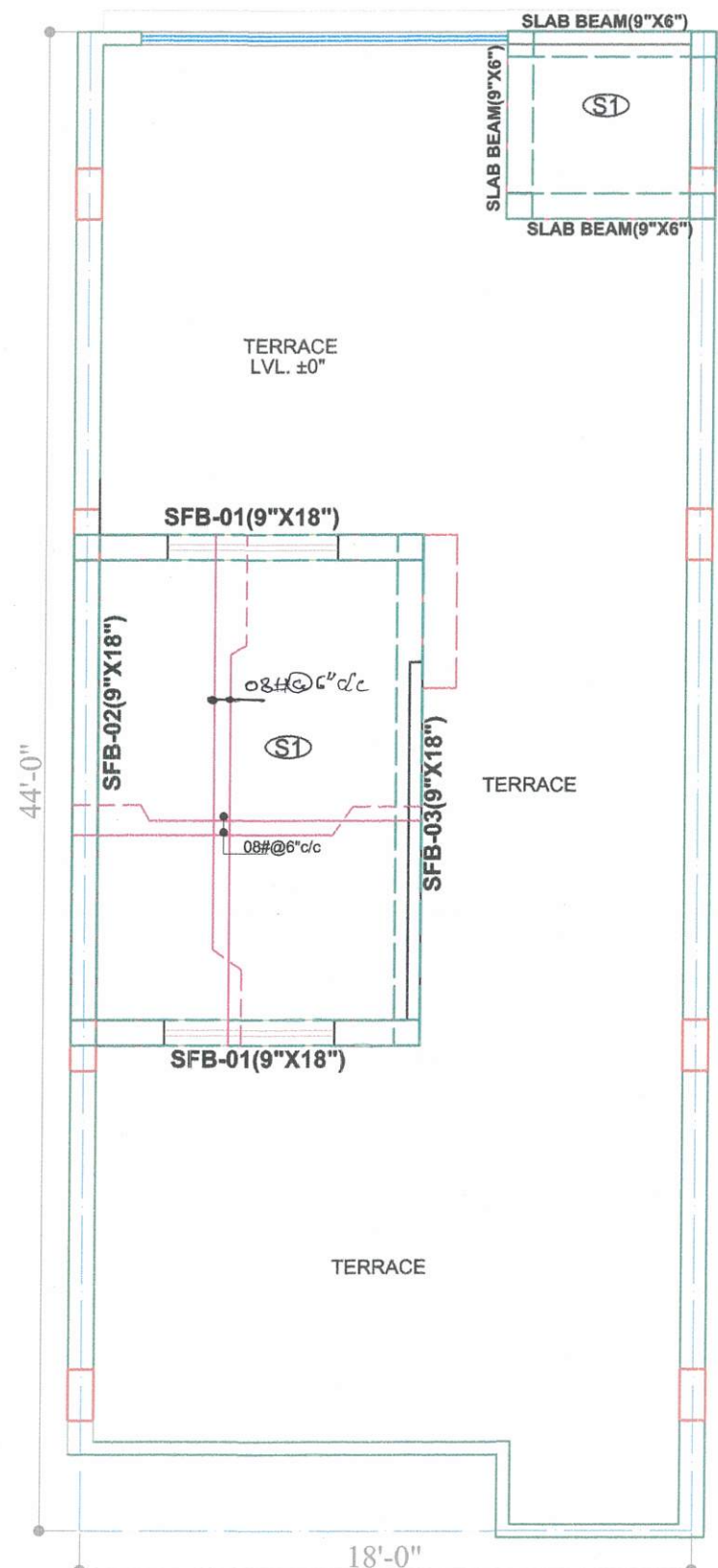
ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
IE: A/534749/2



**TERRACE FLOOR PLAN  
EAST FACING PLAN  
(15'-0" x 28'-0")**



**TERRACE FLOOR PLAN  
EAST FACING PLAN  
(18'-0" x 44'-0")**



**TERRACE FLOOR PLAN  
WEST FACING PLAN  
(18'-0" x 44'-0")**

#### GENERAL NOTES:-

1. ALL DIMENSION AND LEVEL ARE IN FEET, INCHES, AND MM
2. DO NOT SCALE THIS DRAWING FOLLOW WRITTEN DIMENSION ONLY.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWING ANY DISCREPANCY SHOULD BE IMMEDIATELY BROUGHT TO NOTICE.
4. ONLY LOAD BEARING WALLS ARE SHOWN IN PLAN OTHER WISE WALLS SHALL BE STOPPED 1/2" BELOW SOFFIT OF BEAM/SLAB AND GAP FILLED WITH LEAN CEMENT MORTAR UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWING.

#### REINFORCEMENT DETAILS

1. HIGH YIELD STRENGTH DEFORMED BARS MARKED AS Ø WITH CHARACTERISTIC STRENGTH 500 N/MM<sup>2</sup> CONFORMING TO IS 1786-1985, SHALL BE USED.
2. LAP IN SLAB & BEAMS OF SUPER STRUCTURE CLOSE TO MID SPAN FOR BOTTOM BARS & CLOSE TO SUPPORT FOR TOP BARS SHALL BE AVOIDED.
3. LAP SHALL BE STAGGERED SO THAT NO MORE THAN 1/3 OF BARS SHALL BE LAPPED AT ANY SECTION
4. LAP LENGTH FOR HIGH YIELD STRENGTH DEFORMED BARS SHALL BE AS FOLLOW.

| CONC. GRADE | Ldt | Ldc |
|-------------|-----|-----|
| M-25        | 49Ø | 39Ø |

5. TIES OR DISTRIBUTION REINFORCEMENT IN THE SLAB SHALL BE PROVIDED OF 8Ø@8"C/C UNLESS OTHERWISE MENTIONED.

#### CONCRETE DETAILS

1. NOMINAL SIZE OF CRUSHED STONE GRADED AGGR-GATE SHALL BE 3/4" UNLESS OTHERWISE STATED.
2. GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS 456-2000 UNLESS OTHERWISE NOTED.
3. CLEAR COVER OF CONCRETE IN INCHES TO THE MAIN REINFORCEMENT UNLESS SPECIFIED OTHERWISE SHALL BE :-

| PARTICULAR                                   | BOTTOM      | TOP         | SIDES                                                                     |
|----------------------------------------------|-------------|-------------|---------------------------------------------------------------------------|
| SLAB                                         | 3/4"(20MM.) | 2/3"(15MM.) |                                                                           |
| FOOTING                                      | 2"(50MM.)   | 2"(50MM.)   | 2"(50MM.)                                                                 |
| RETAINING WALL                               |             | 1"(25MM.)   | 1 1/2"(40MM.) (EARTH SIDE)<br>3/4"(20MM.) (IN SIDE)                       |
| COLUMNS                                      |             |             | 1 1/2"(40MM.)                                                             |
| BEAMS, LINTEL                                | 1"(25MM.)   | 1"(25MM.)   | 1"(25MM.)                                                                 |
| WALLS, FLOOR SLAB & ROOF SLAB OF WATER TANK. |             |             | 1"(25MM.) ON WATER FACE<br>1 1/2"(40MM.) (ON EARTH SIDE) where applicable |

#### IMPORTANT NOTES

CONCRETE GRADE M-25.  
REINF. STEEL GRADE Fe-500.

PROJECT TITLE :-

"RAVI KIRAN VIHAR"

AT VILLAGE-MOHANPURA, TEH.-SANGANER, JAIPUR  
UNDER KHASRA NO - 202, 203/677

DWG. TITLE :-

**TYPICAL TERRACE FLOOR  
STRUCTURE DRAWING  
(EAST & WEST)**

ARCHITECTS

AIM  
ENGINEERS & ARCHITECTS  
PLOT NO. 2, YASHWANTER MARG,  
OPP. YOUNG BUNNARA C-Scheme  
JAIPUR

STRUCTURE CONSULTANT:-

**APEKSHA DESIGN**

D-103/C, SIWAD AREA, BAPU NAGAR,  
TONK ROAD, JAIPUR.

| DWG. NO.     | DATE       | REV.         |
|--------------|------------|--------------|
| S. NO.- 01   | 30/11/2023 | R- 00        |
| DESIGNED BY: | DEEPAK     | ASHISH GUPTA |

ER. ASHISH GUPTA  
STRUCTURAL ENGINEER  
1534749/2