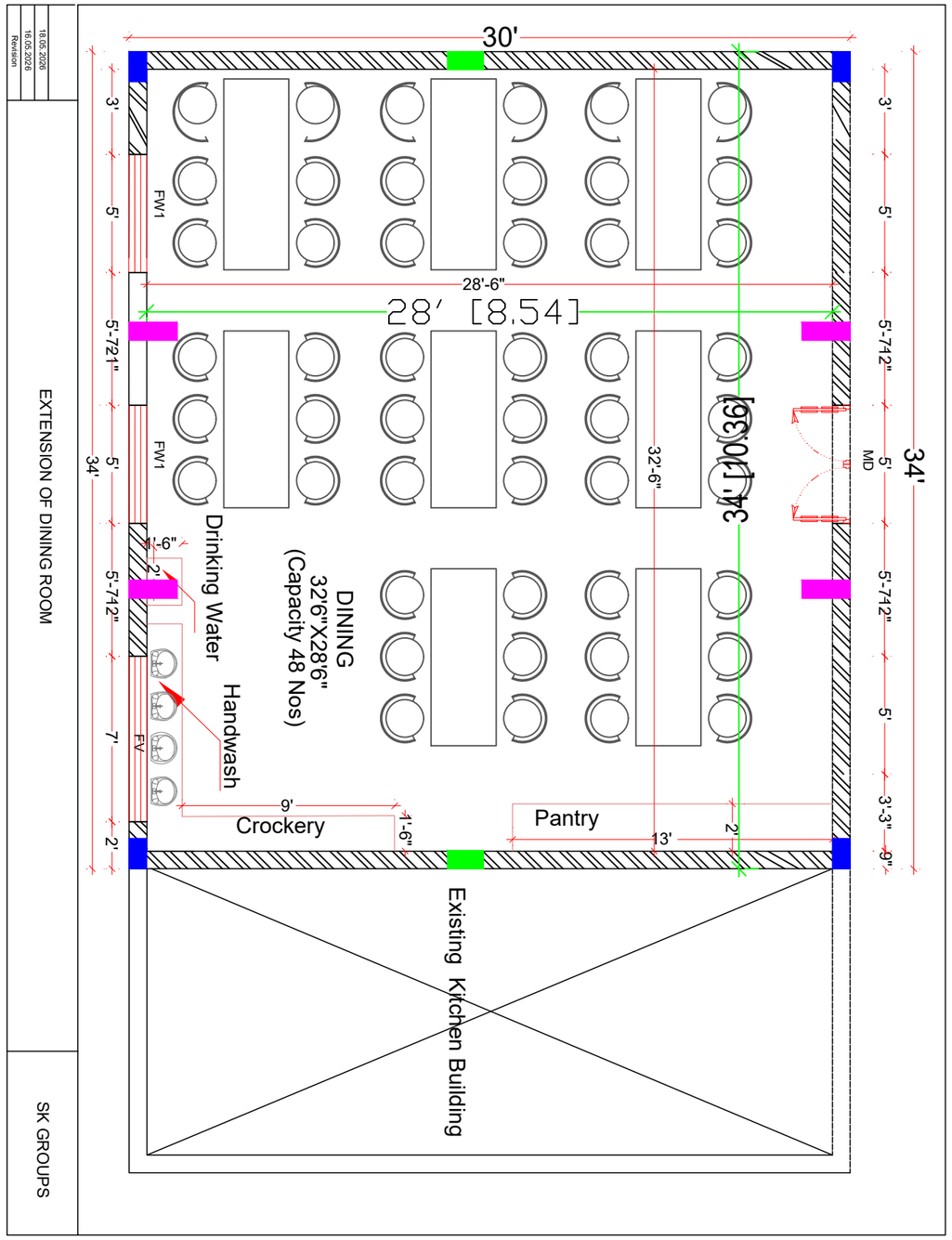
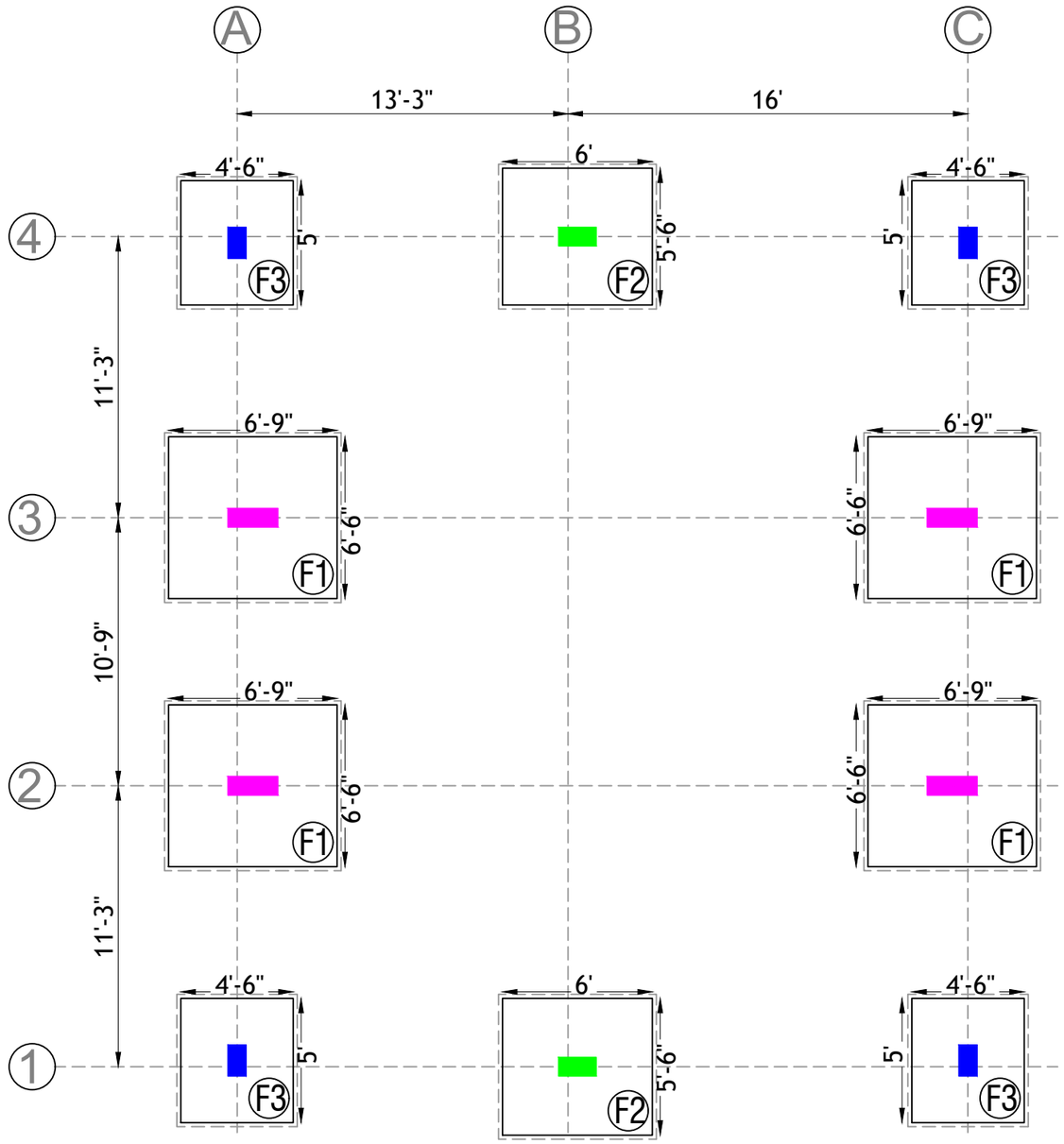



1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars (HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

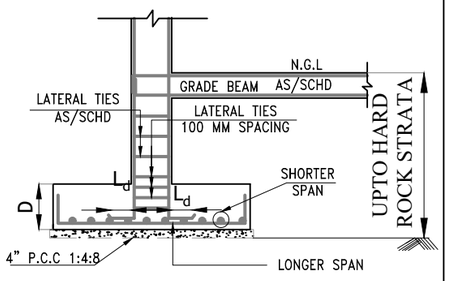
| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | PLAN DETAILS | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |



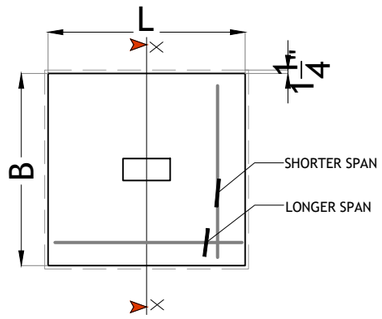

# LAYOUT FOOTING & DETAILS

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars (HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | FOOTING DETAILS | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |




ISOLATED FOOTING TYPICAL SECTION




FOOTING TYPICAL PLAN

NOTE:
$L_d$-SHOULD BE MINIMUM 1FEET OR GREATER.

| SCHEDULE OF FOOTING | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|
| S NO | FOOTING NAME | NAME OF Lx X Lz | FOOTING DEPTH | EXCAV. DEPTH | REINFORCEMENT | | |
| | | | | | Lx DIRECTION | Ly DIRECTION | |
| 1 | F1 | 6'9" X 6'6" | 21" | 5'0" | 12# @ 5" C/C | 12# @ 5" C/C | |
| 2 | F2 | 6'0" X 5'6" | 18" | 5'0" | 12# @ 5" C/C | 12# @ 5" C/C | |
| 3 | F3 | 5'0" X 4'6" | 15" | 5'0" | 10# @ 5" C/C | 10# @ 5" C/C | |

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars ( HYSD) Confirming to IS:1786.Use Fe-550D Steel Reinforcement.

DESIGN :
CHECKED :
DRAWN :
DESIGN :
CHECKED :
DRAWN :
DRAWING PROJECT :

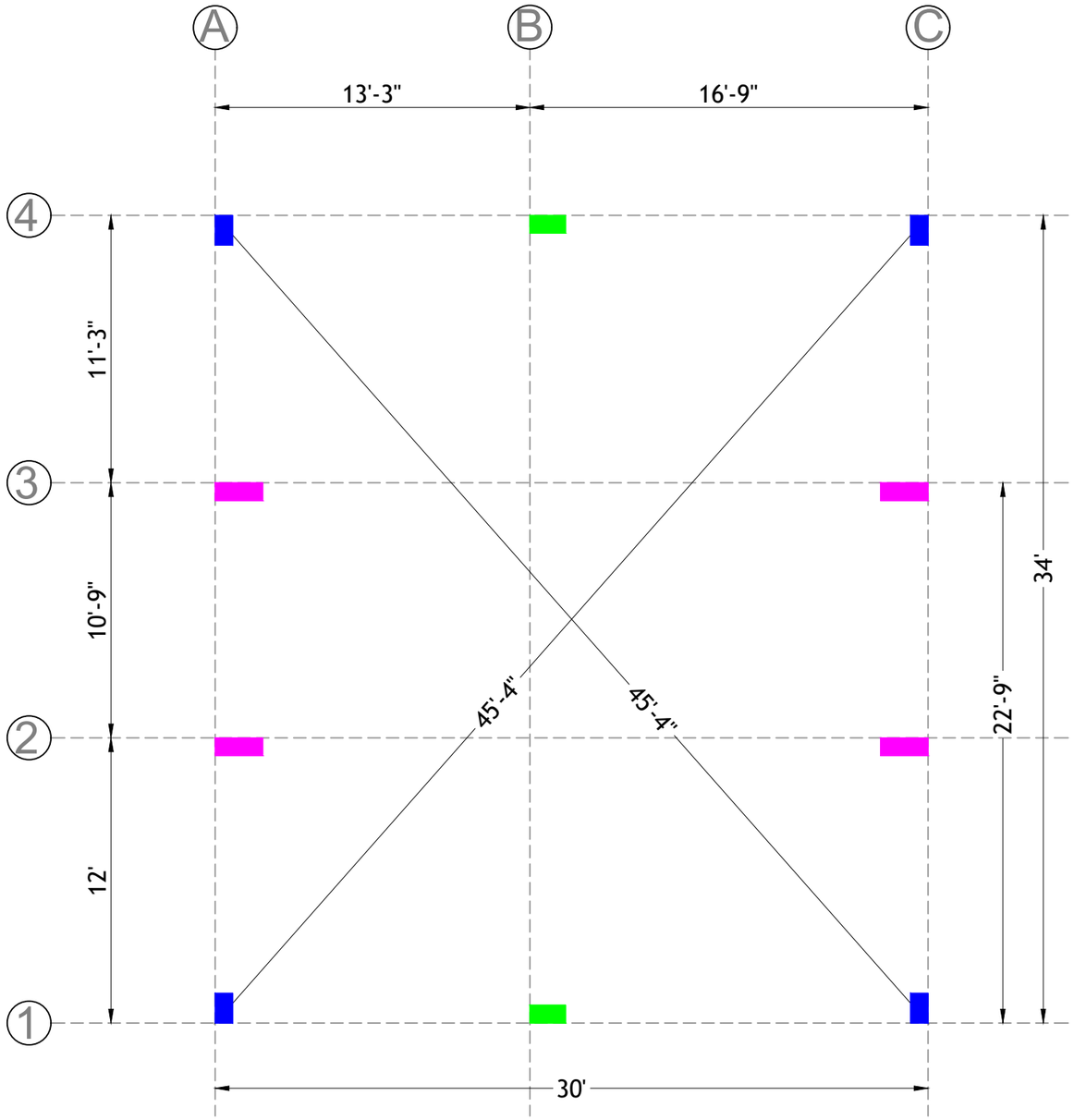
DRAWING NO: 002
REV: 01

PROJECT : PROPOSED RESIDENTIAL BUILDING FOR

DRAWING : FOOTING AND COLUMN DETAILS (SHEET-5)

30.10.2026
PROJECT CODE :
SCALE = N.T.S

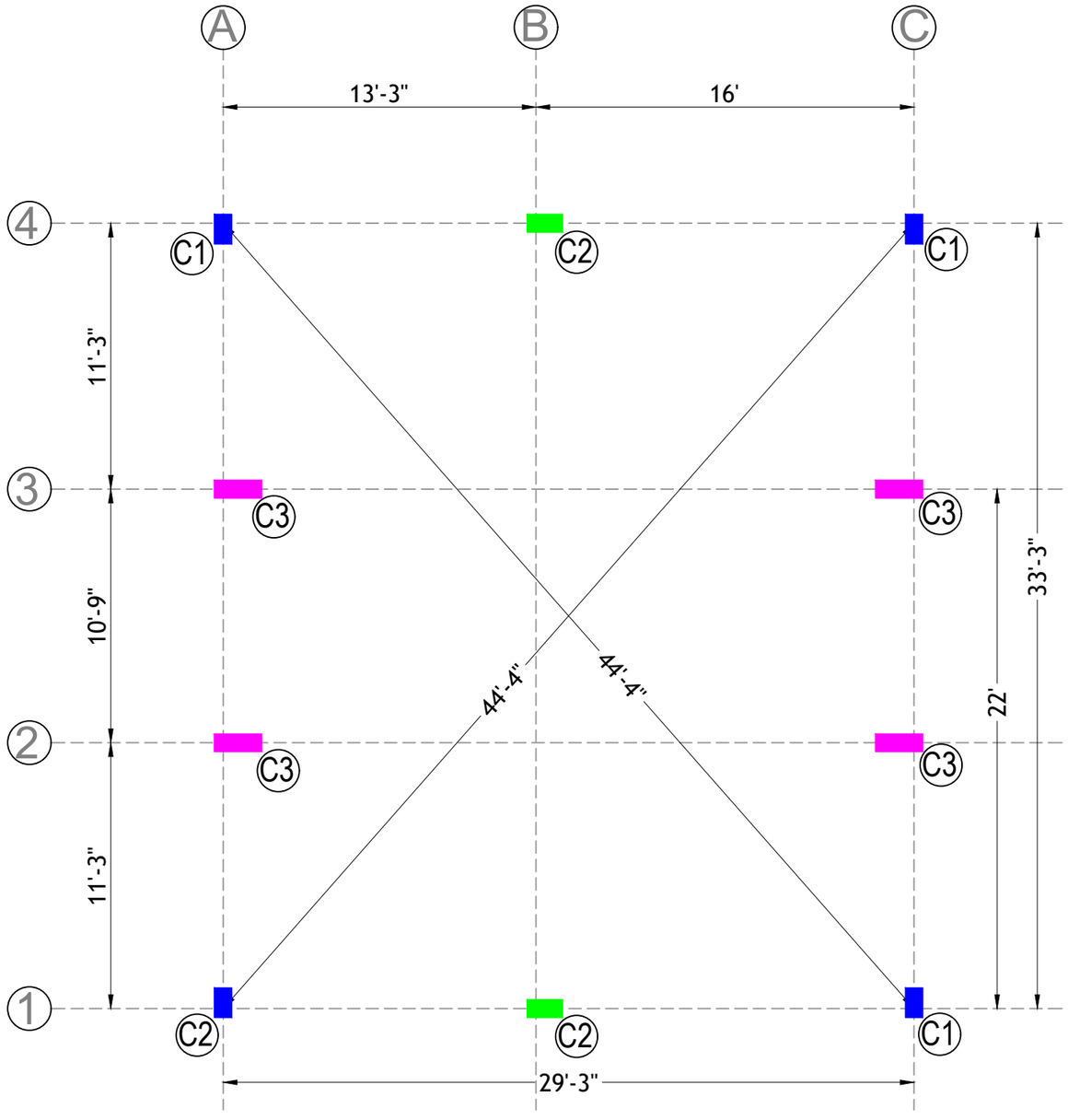
DRAWING




# COLUMN OUTER LINE LAYOUT

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars (HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | COLUMN OUTER LINE DETAILS | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |




# COLUMN CENTER LINE LAYOUT

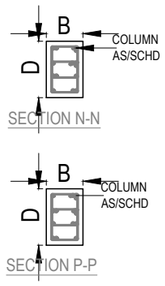
1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars ( HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | COLUMN CENTER LINE DETAILS | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |

| TYPE | COLUMN DETAIL | NO'S |
|---|---|---|
| C1 | ● 4Y16 ○ 2Y12<br>12" × 9"<br>4Y16+2Y12<br>Y8 @ 6" C/C<br>C.S OF COLUMN "C1"<br>( 0'-9" X 1'-0" ) | 4 |
| C2 | ● 4Y16 ○ 4Y12<br>18" × 9"<br>4Y16+4Y12<br>Y8 @ 6" C/C<br>C.S OF COLUMN "C2"<br>( 0'-9" X 1'-6" ) | 2 |
| C3 | ● 6Y16 ○ 4Y12<br>24" × 9"<br>6Y16+4Y12<br>Y8 @ 6" C/C<br>C.S OF COLUMN "C3"<br>( 0'-9" X 2'-0" ) | 4<br>10 |

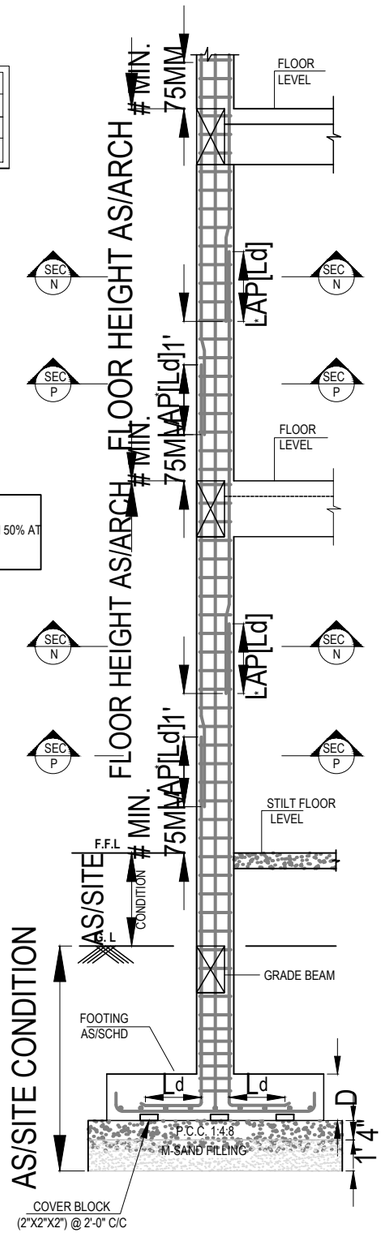
# COLUMN DETAIL

| LEGEND | |
|---|---|
| D | COLUMN DEPTH |
| B | COLUMN BREADTH |
| Ld | LAPPING LENGTH |




NOTE:
LAPPING SHOULD NOT BE DONE MORE THAN 50% AT SAME LOCATION

NOTE:
# - LAPPING SHOULD NOT BE DONE AT THIS ZONE
* - MINIMUM 1'-0" GAP BETWEEN LAPPING OF ROD FOR ADJACENT ROD
* - LAPPING OF ROD, Ld = (48xD) FOR M25 GRADE OF CONCRETE & Fe500 GRADE OF STEEL

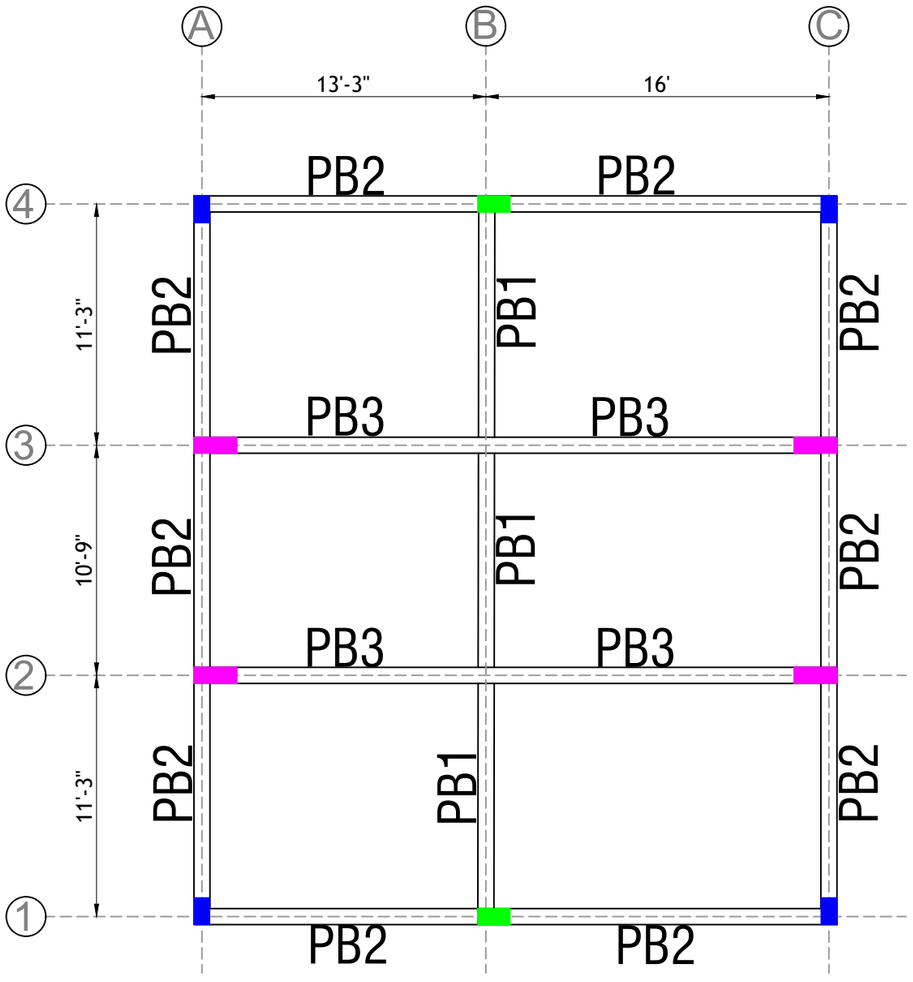


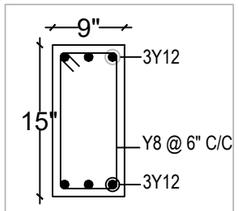

| LEGEND | |
|---|---|
| D | FOOTING DEPTH |
| d | FOOTING SLOPE DEPTH |
| Ld | DEVELOPMENT LENGTH |

# TYPICAL COLUMN LAPPING

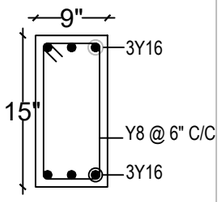
1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars
    ( HYSD) Confirming to IS:1786.Use Fe-550D Steel Reinforcement.

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 002 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | FOOTING AND COLUMN DETAILS (SHEET-5) | | |

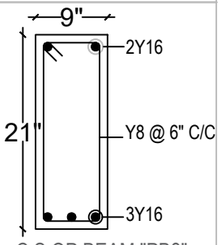



C.S OP BEAM "PB1"
( 0'-9" X 1'-3" )

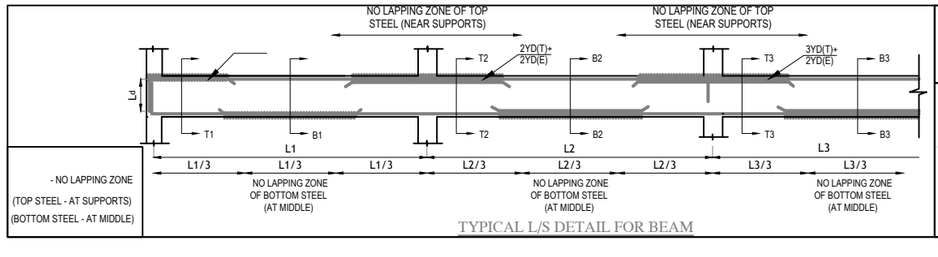



C.S OP BEAM "PB2"
( 0'-9" X 1'-3" )



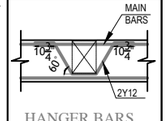

C.S OP BEAM "PB3"
( 0'-9" X 1'-9" )

# PLINTH BEAM DETAILS




TYPICAL L/S DETAIL FOR BEAM

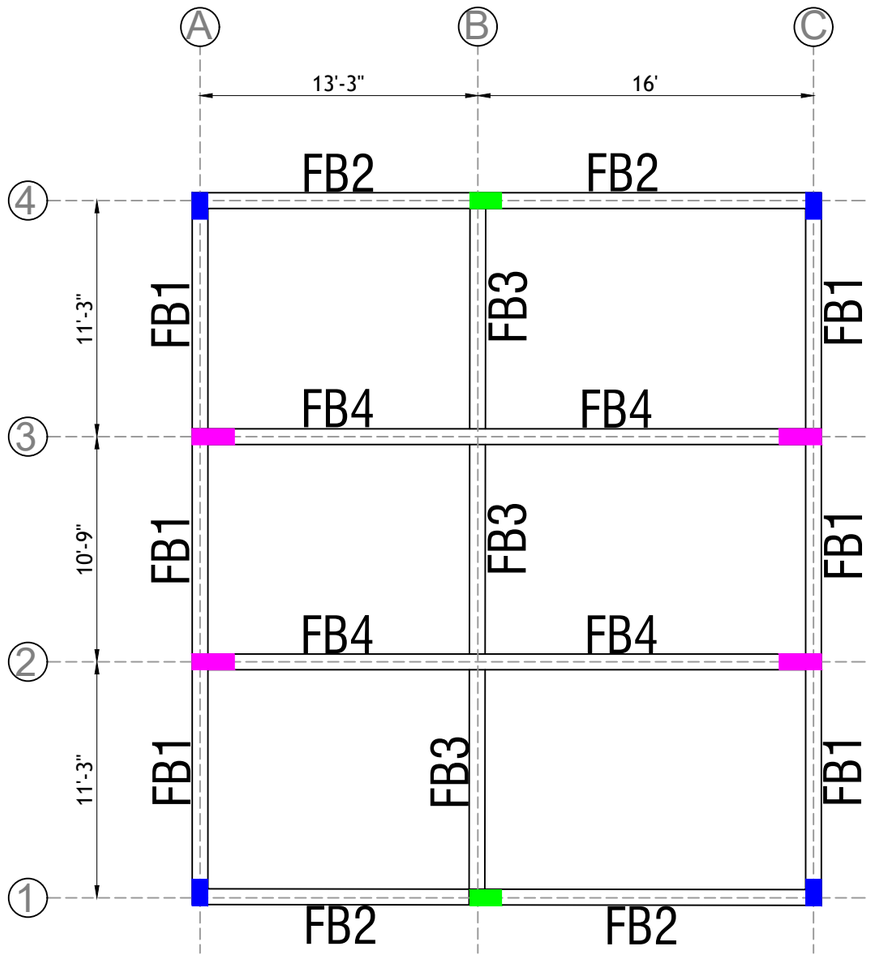
NOTES:
D - DIAMETER OF BAR
T - THROUGHOUT/STRAIGHT STEEL
E - EXTRA STEEL
Ld - DEVELOPMENT LENGTH (9d)

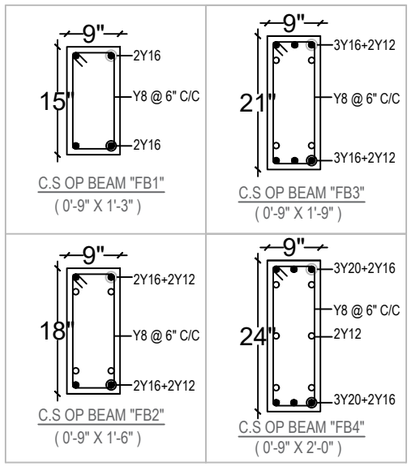



HANGER BARS DETAIL

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars ( HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

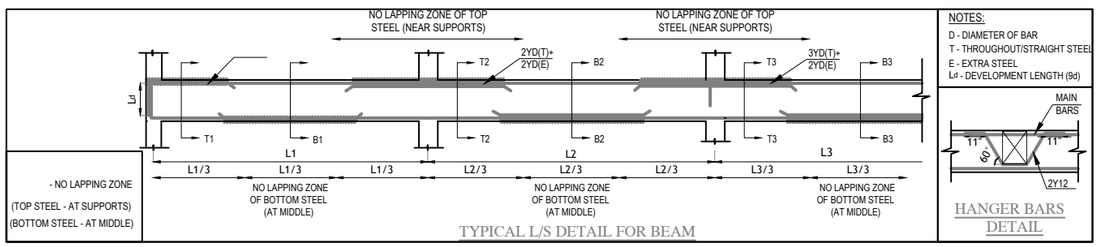
| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | PLINTH BEAM DETAILS | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |



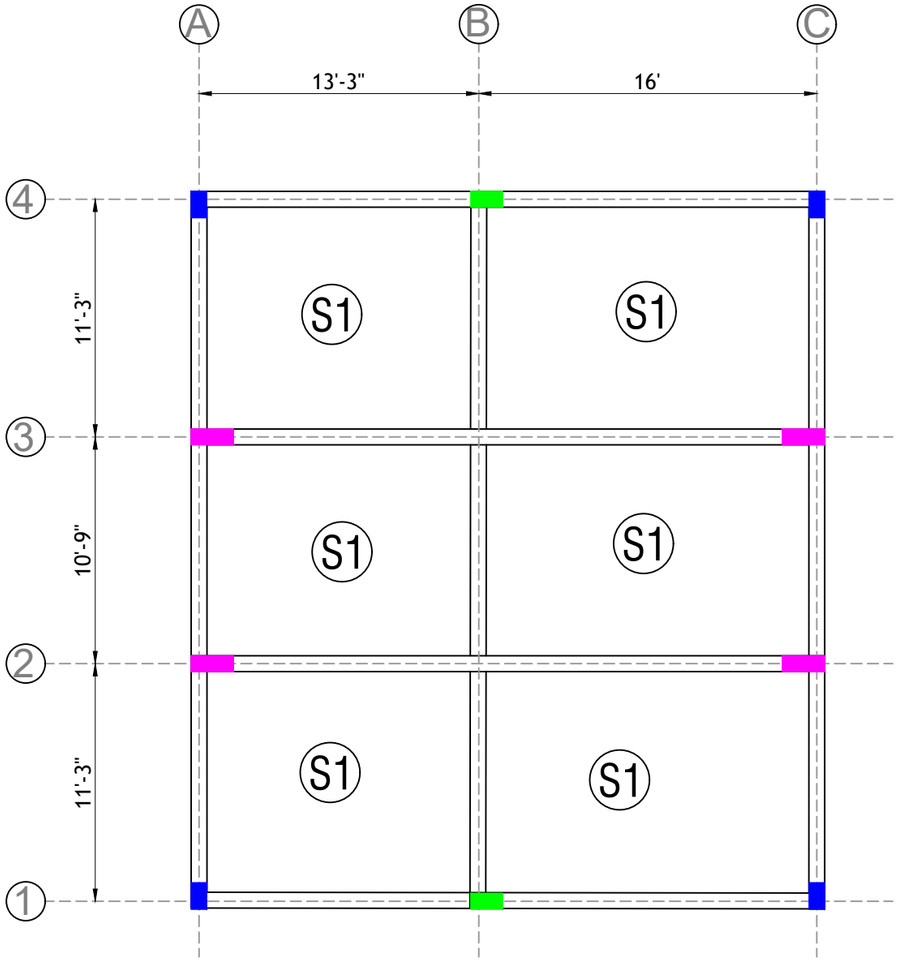



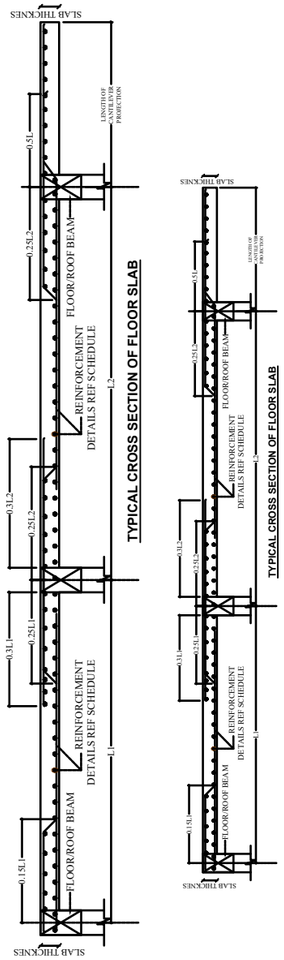

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars
    ( HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

# GROUND FLOOR ROOF BEAM DETAILS




| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | ROOF BEAM PLAN - GROUND FLOOR | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |



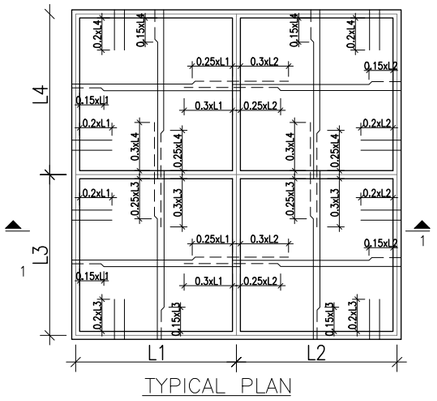




1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars (HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

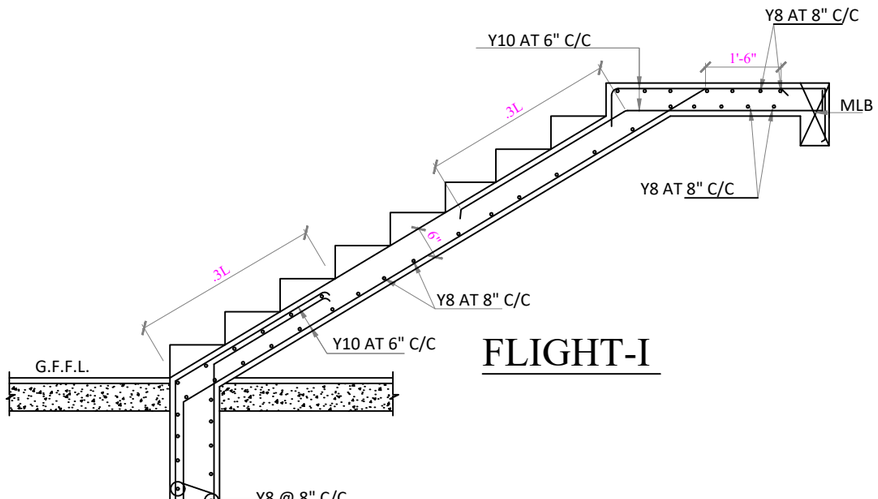
# GROUND FLOOR ROOF SLAB DETAILS

| SLAB DETAILS | | | | |
|---|---|---|---|---|
| SLAB TYPE | SLAB THICK | SHORTER SPAN | LONGER SPAN | REMARK |
| S1 | 6" | 10@5"c/c | 10@5"c/c | TWO WAY |
| | | | | |

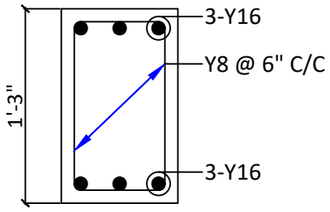



TYPICAL PLAN

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | ROOF BEAM PLAN - GROUND FLOOR | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |

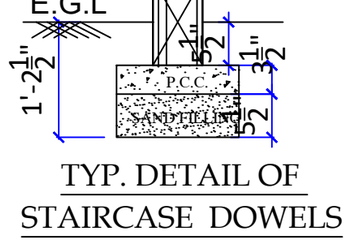



FLIGHT-I

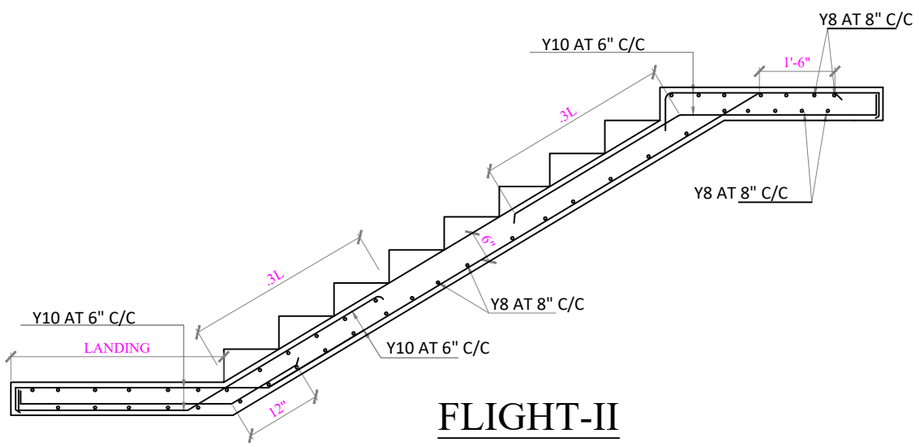



SECTION MLB"

(0'-9" x 1'-3)




TYP. DETAIL OF STAIRCASE DOWELS

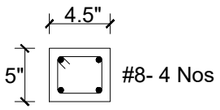
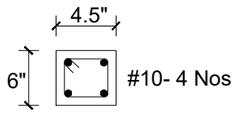
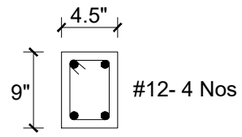
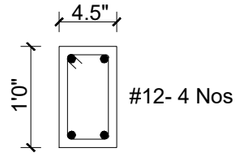
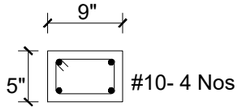
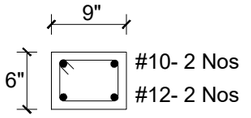
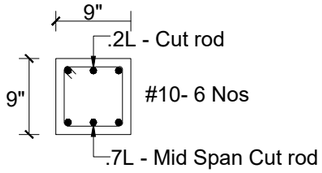
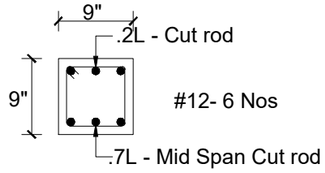


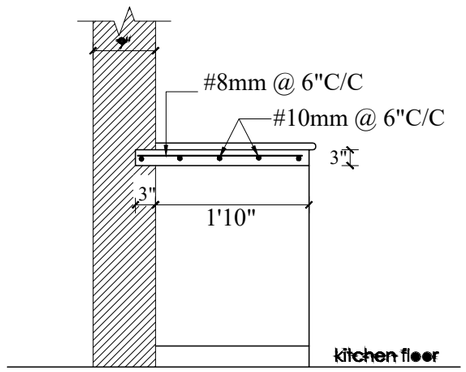

FLIGHT-II

2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars ( HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

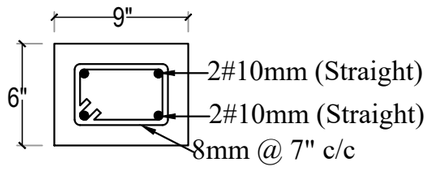
| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | STAIRCASE DETAIL | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |

# LINTEL BEAM DESIGN

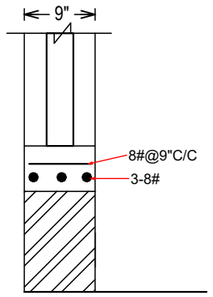
| | UP TO 3'-0" OPENING | 3'0" - 5'0" OPENING | 5'0" - 7'0" OPENING | 7'0" - 10'0" OPENING |
|---|---|---|---|---|
| 4.5" THK WALL |   |   |   |   |
| 9" THK WALL |   |   |   |   |




TYPICAL KITCHEN PLATFORM SLAB



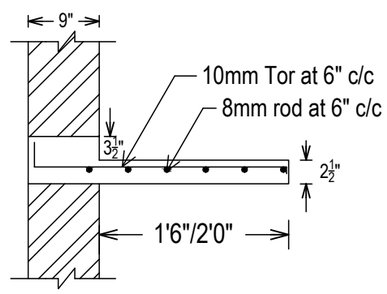

Continuous Lintel



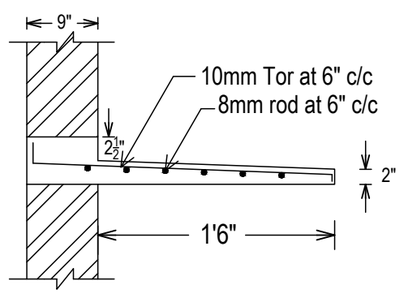

R.C.C Sill slab @ Window Sill Level - 9" x 3"

(9" Extra Two Sides Of Opening)

# LINTEL DETAILS




LOFT SLAB 1'6"/2'0" LENGTH




SUNSHADE 1'6"/2'0" LENGTH

1. All dimensions are in feet & inches.
2. This drawing shall be read in conjunction with relevant architectural drawings.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix :
   For footings – M25
   For columns – M25
5. Maximum Water cement ratio :
   For mix M25 – 1:1:2
6. Clear concrete cover to main bars :
   (a) columns : 1½" (b) footings : 2"
   (c) pedestal : 2"
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
9. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 for 53 grade cement.
10. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
11. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
12. As per site condition S.B.C of soil is assumed as 200 KN / M2
13. Foundation is designed for G+1.
14. All Reinforcement shall be High Yield Strength Deformed Bars (HYSD) Confirming to IS:1786.Use Fe-550 Steel Reinforcement.

| | | | |
|---|---|---|---|
| DESIGN : | | | |
| CHECKED : | | | |
| DRAWN : | | DRAWING NO: 001 | REV: 01 |
| PROJECT : | PROPOSED RESIDENTIAL BUILDING FOR | | |
| DRAWING TITLE: | STAIRCASE DETAIL | | |
| DATE : | 30.10.2026 | PROJECT CODE : | SCALE = N.T.S |