

NORTH DIRECTION:



NOTES: -

LEGEND

| | |
|----------------------------------|---------------------------------|
| 1- ABBREVIATIONS: | 2- REINFORCING STEEL STRENGTH:- |
| - F = FOUNDATION | - Fy = 420 MPa |
| - C = COLUMN | |
| - SF = SHEAR WALL FOUNDATION | |
| - GB = GROUND BEAM | 3- CONCRETE COVER:- |
| - D = DEPTH | - 30 mm FOR FOUNDATIONS |
| - SL = STAIRS | - 40 mm FOR COLUMNS & BEAMS |
| - V = VERTICAL STEEL | - 20 mm FOR SLAB |
| - H = HORIZONTAL STEEL | |
| - T = TOP STEEL | |
| - B = BOTTOM STEEL | |
| - M = MIDDLE STEEL | |
| - L = LENGTH | |
| - D = HIGH YIELD BAR DIAMETERS | |
| - SL = SLAB LEVEL | |
| - RL = REDUCED LEVEL | |
| - B.O.F = BOTTOM OF FOUNDATION | |
| - EXL = EXCAVATION LEVEL | |
| - S.O.G = SLAB ON GROUND | |
| - W = WALL | |
| - F.C.L = FRESH CONCRETE LEVEL | |
| - U.O.N = UNLESS OTHERWISE NOTED | |
| - NF = NEAR FILL FACE | |
| - FF = FAR FILL FACE | |

REVISIONS

| No. | DESCRIPTION | DATE |
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Owner :-

Project Name:-

Private House

Sheet Name:-

Columns Plan

City :-

Location :-

Block :-

Plot :-

Designer:-

| | |
|-------------|--|
| Drawing By | |
| Checked By | |
| Approved By | |

| | |
|------------|---------|
| Date | |
| Scale @ A4 | 1 : 100 |
| Sheet No. | S02 |

Notes:

C1 50X25cm, Reinforcement ratio = 1.0 %

C2 50X25cm, Reinforcement ratio = 2.0 %

C3 60X30cm, Reinforcement ratio = 3.0 %

C4 Diameter 50cm, Reinforcement ratio = 1.5 %

W1 thickness =20 cm, Vertical Reinforcement =

1Ø12@15cm EF, horizontal Reinforcement =

1Ø10@15cm EF.

The plan shows the columns and walls layout and a grid system, you will be required to draw the layout, with a scale 1:100 , and a structural column details for C1,C2,C3,C4 and W1 with a scale 1:20 in separate sheets, in each drawing use an appropriate layers, dimension style , naming and numbering, with different colors and line weights to have a clear drawings, it's expected from you to submit dwg file contain the all the drawings.

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| - C = COLUMN | |
| - SF = SHEAR WALL FOUNDATION | 3. CONCRETE COVER:- |
| - GB = GROUND BEAM | - 30 mm FOR FOUNDATIONS |
| - D = DEPTH | - 40 mm FOR COLUMNS & BEAMS |
| - SL = SLAB | - 25 mm FOR SLAB |
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| - M = MIDDLE STEEL | |
| - L = LENGTH | |
| - Ø = HIGH YIELD BAR DIAMETERS | |
| - SL = SLAB LEVEL | |
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| - B.O.F = BOTTOM OF FOUNDATION | |
| - EXL = EXCAVATION LEVEL | |
| - S.O.G = SUB ON GROUND | |
| - W = WALL | |
| - F.C.L = FRESH CONCRETE LEVEL | |
| - N.F = NEAR FILL FACE | |
| - F.F = FAR FILL FACE | |

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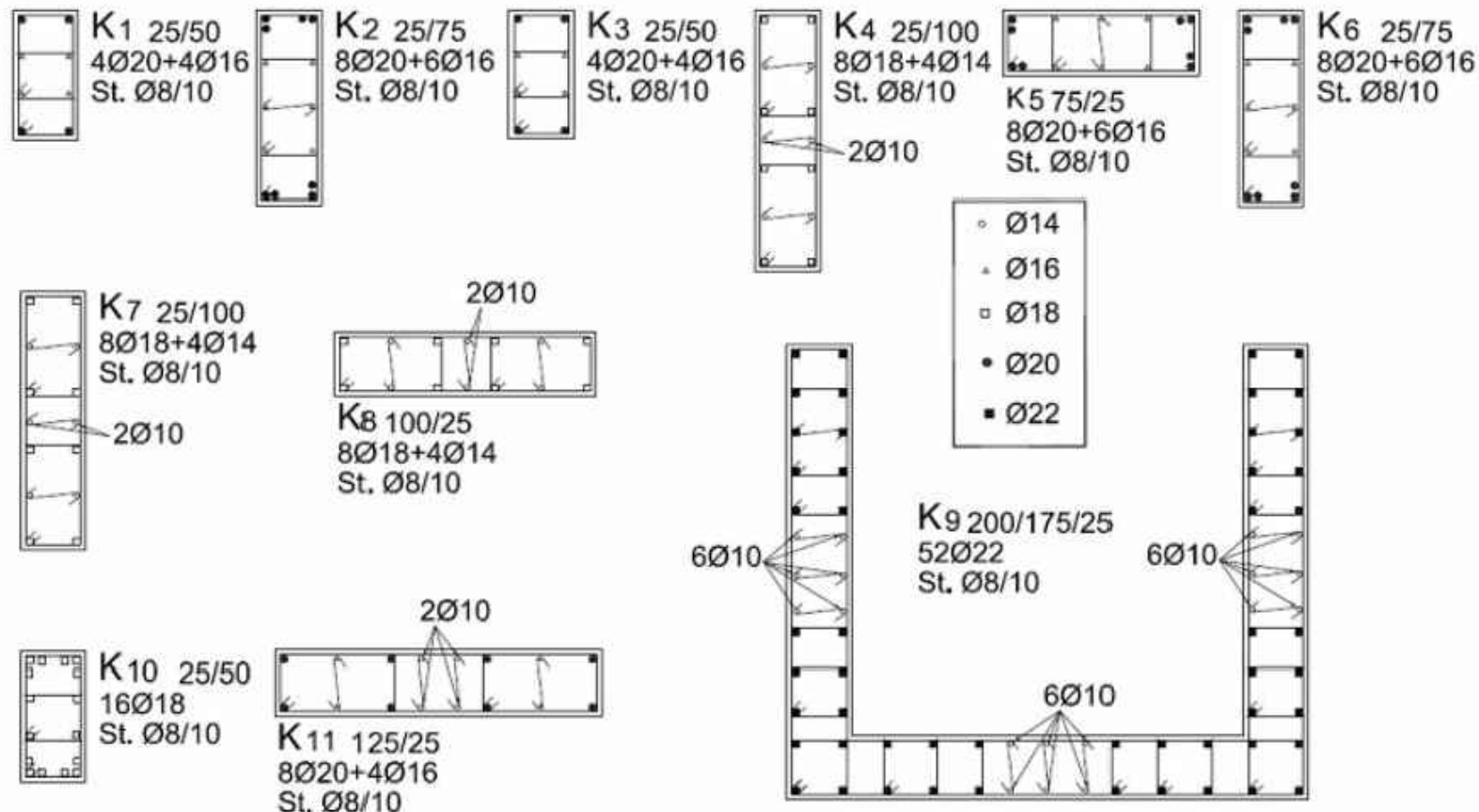
Date

Scale @ A4

1 : 100

Sheet No.

S03



Reinforcement details of the columns and shear walls [8].