

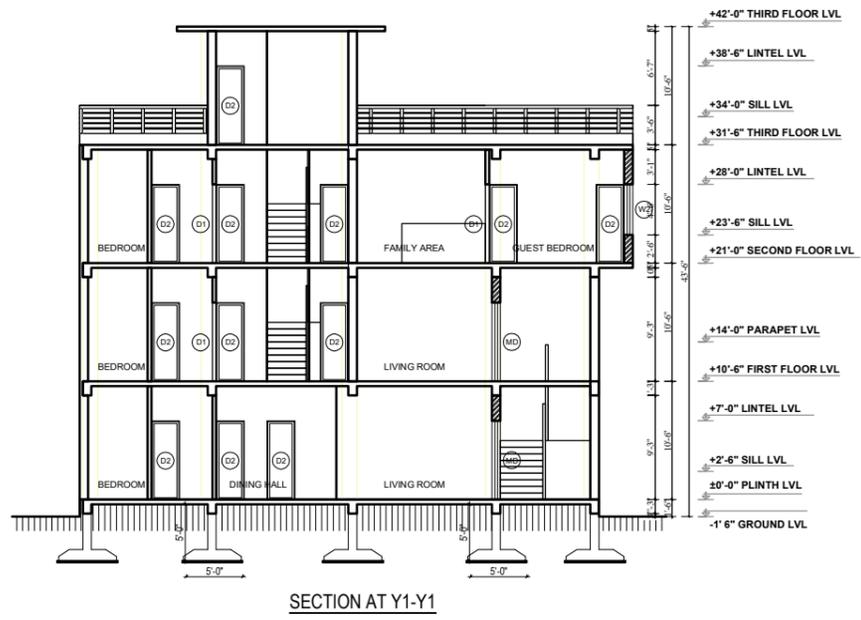
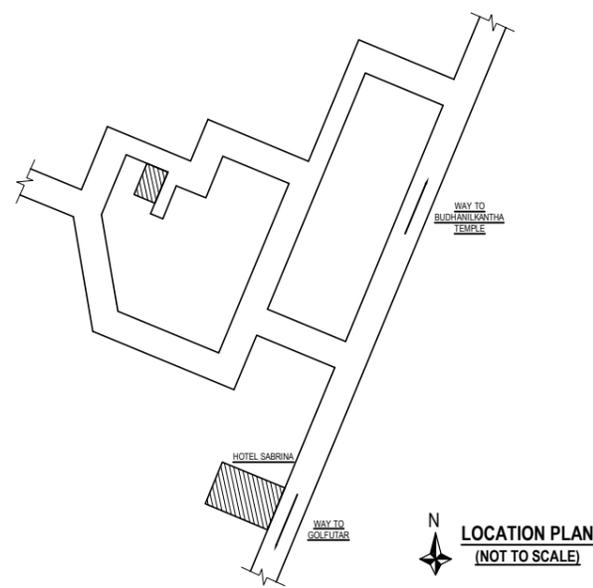
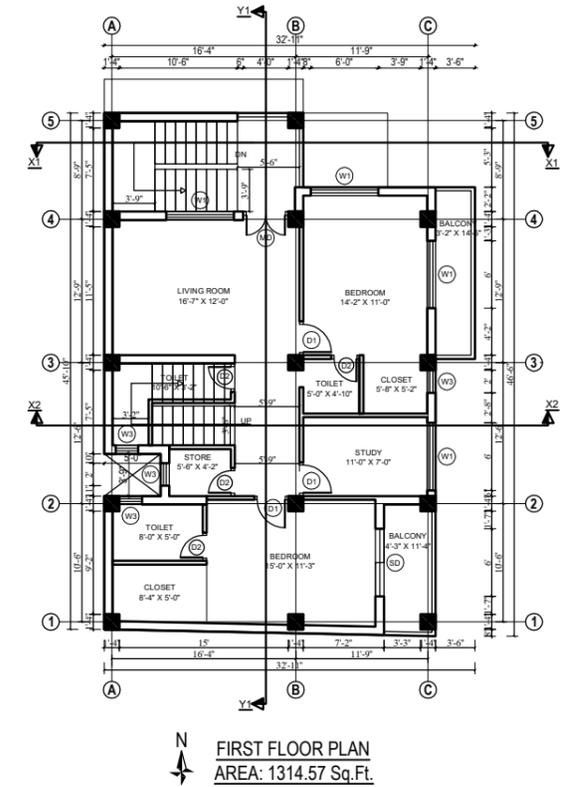
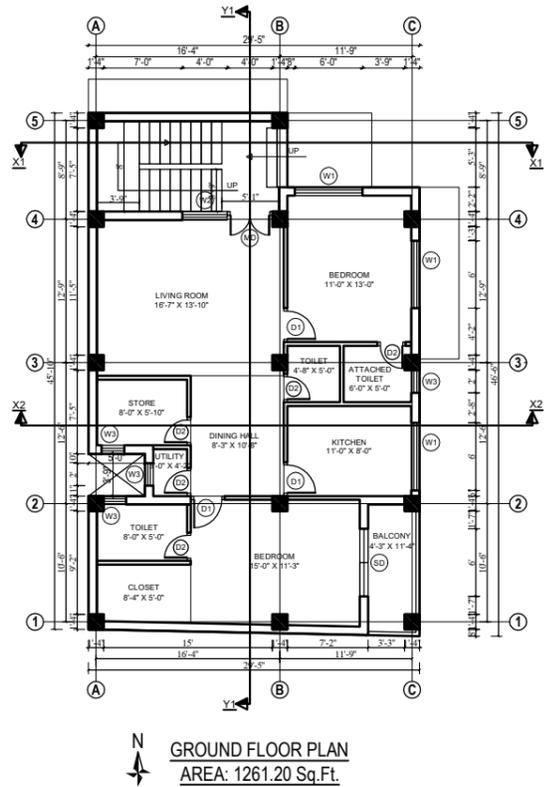
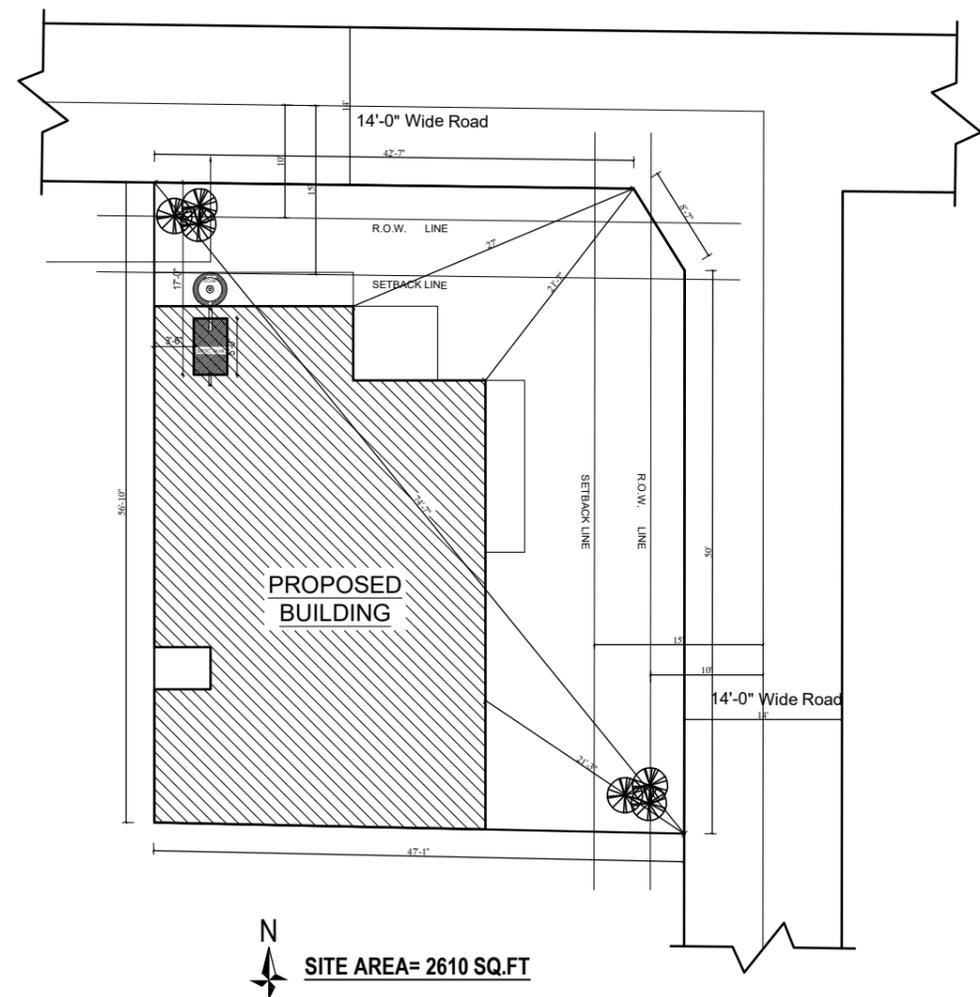
1. Only written Dimensions to be followed.
2. Drawings shall not be measured as per the Given Scale.
3. If any Discrepancy or omission found in this Drawings shall be reported immediately to the Engineer.
4. The Contractor shall inspect & verify all the given dimensions & levels in this drawings and shall Coordinate with actual site conditions. Any Discrepancy found shall be brought to notice of the Engineer in Charge before execution of the work at site.
5. This drawing shall be read in conjunction with all other Drawings and documents.
6. Excavation shall be done 7'-0" below the Natural Ground Level.
7. All the Footing Tie Beam shall be placed at the same level.
8. Strictly prohibited for the placement of beam after footing concreting work.
9. All Footing and Lower Tie Beam shall be Concreted at the same time.
10. Concrete Grade shall be M-20.
11. Steel Grade shall be Fe-500 (TMT).
12. Clear Cover shall be 2".
13. Cover Block shall be used before concreting.
14. Soil Bearing Capacity is taken as 120KN/m<sup>2</sup>.
15. All the Reinforcement and Concreting work shall be performed in Supervision of the Engineer.

1. Only written Dimensions to be followed.
2. Drawings shall not be measured as per the Given Scale.
3. If any Discrepancy or omission found in this Drawings shall be reported immediately to the Engineer.
4. The Contractor shall inspect & verify all the given dimensions & levels in this drawings and shall Coordinate with actual site conditions. Any Discrepancy found shall be brought to notice of the Engineer in Charge before execution of the work at site.
5. This drawing shall be read in conjunction with all other Drawings and documents.
6. Concrete Grade shall be M-20.
7. Steel Grade shall be Fe-500 (TMT).
8. Clear Cover shall be 1- $\frac{1}{2}$ ".
9. Cover Block shall be used before concreting.
10. Lateral Ties at lapped section shall not be placed more than 6".
11. Hook of Lateral Ties shall not be less than Ten (10) times Diameter of Lateral Ties.
12. Not more than Half of the Column Bars shall be lapped at the Section.
13. 8mm $\phi$  Lateral Ties @ 4" c/c upto Z+H at Joint and 6" c/c in the Middle Section.
14. Atleast Two (2) Ring or as per the design Strictly place 8mm $\phi$  Lateral Ties in the Joint of Beam and Column.
15. Hooks in Lateral Ties shall be bent at 135°.
16. Lapping of Longitudinal Reinforcement in Column shall be done at the mid height in each storey.
17. All the Reinforcement and Concreting work shall be performed in Supervision of the Engineer.

1. Only written Dimensions to be followed.
2. Drawings shall not be measured as per the Given Scale.
3. If any Discrepancy or omission found in this Drawings shall be reported immediately to the Engineer.
4. The Contractor shall inspect & verify all the given dimensions & levels in this drawings and shall Coordinate with actual site conditions. Any Discrepancy found shall be brought to notice of the Engineer in Charge before execution of the work at site.
5. This drawing shall be read in conjunction with all other Drawings and documents.
6. Concrete Grade shall be M-20.
7. Steel Grade shall be Fe-500 (TMT).
8. Clear Cover shall be 1".
9. Cover Block shall be used before concreting.
10. Lap Length shall not be less than Bar Development Length in Tension.
11. Not more than 50% of the Bars shall be spliced at one section.
12. Lap Splice shall not be provide
  - 12.1 Within a Joint.
  - 12.2 Within a Distance 2d (d: effective depth) from Joint Face.
  - 12.3 Within a Quarter Length of the member.
13. The bar shall be symmetrically placed about the vertical center line of the beam.
14. Where Bars of different Diameter are placed in a single row Larger are placed on the outer side.
15. All the Reinforcement and Concreting work shall be performed in Supervision of the Engineer.

1. Only written Dimensions to be followed.
2. Drawings shall not be measured as per the Given Scale.
3. If any Discrepancy or omission found in this Drawings shall be reported immediately to the Engineer.
4. The Contractor shall inspect & verify all the given dimensions & levels in this drawings and shall Coordinate with actual site conditions. Any Discrepancy found shall be brought to notice of the Engineer in Charge before execution of the work at site.
5. This drawing shall be read in conjunction with all other Drawing and documents.
6. Concrete Grade shall be M-20.
7. Steel Grade shall be Fe-500 (TMT).
8. Clear Cover shall be  $\frac{3}{4}$ ".
9. Chair Bar shall be placed at 1'-8" Spacing.
10. Cover Block shall be used before concreting.
11. All the Reinforcement and Concreting work shall be performed in Supervision of the Engineer.

<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential		<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal	
<b>PLOT NO:</b> Not Disclosed		<b>LAND AREA:</b> 242.59 Sq.m	
<b>DRAWING TITLE:</b> General Structure, Water Tank, Septic Tank, Soak-Pit Detail			
<b>DESIGNED BY:</b> ARTISTA Engineering Consultancy (P) Ltd. Dhumburahi-4, Kathmandu, Nepal Tel.: +977-1-4510863, 984878762		<b>COMPANY SEAL:</b>	
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022	<b>SCALE:</b> As Stated	<b>LICENSE NO:</b> NEC: 12838 "Civil"	
<b>Sheet No.:</b> G-01		<b>Dwg. No.:</b> AE-03	



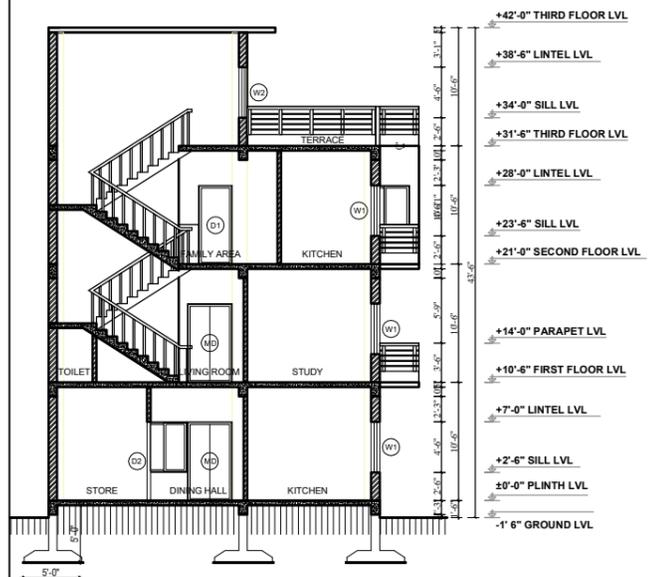
PLANNING DATA		
TOTAL SITE AREA	2610 Sq.Ft.	
GROUND COVERAGE	PERMISSIBLE	AS PER DESIGN
TOTAL FLOOR AREA	75 %	48.32 %
FAR	3.5	1.59

**DOOR & WINDOW SCHEDULE**

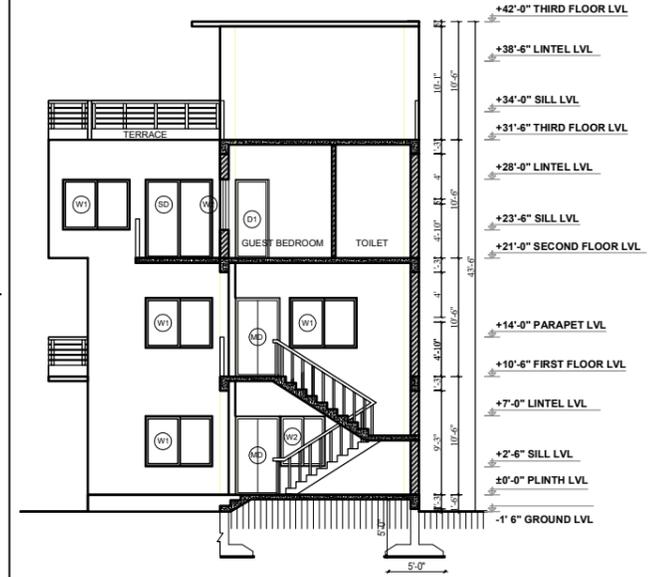
S.N.	TYPE	SIZE	NO.	REMARK
1.	MD	4'-0" X 7'-0"	2	PANEL
2.	D1	3'-0" X 7'-0"	10	PANEL
3.	D2	2'-6" X 7'-0"	16	PANEL
4.	SD	4'-0" X 7'-0"	5	PANEL
5.	W1	6'-0" X 4'-6"	10	PANEL
7.	W2	4'-0" X 4'-6"	4	PANEL
9.	W3	2'-0" X 4'-6"	14	PANEL

<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential		<b>LOCATION:</b> Italtar, Budhanilkantha Kathmandu, Nepal	
<b>PLOT NO:</b> Not Disclosed		<b>LAND AREA:</b> 242.59 Sq.m	
<b>DRAWING TITLE:</b> Location & Site plan, Opening Schedule, Floor plan, Section			
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022		<b>SCALE:</b> Not To Scale	
		<b>LICENSE NO:</b> NEC: 12838 "Civil"	
			
		<b>Sheet No.:</b> AR-01	
		<b>Dwg. No.:</b> AE-01	

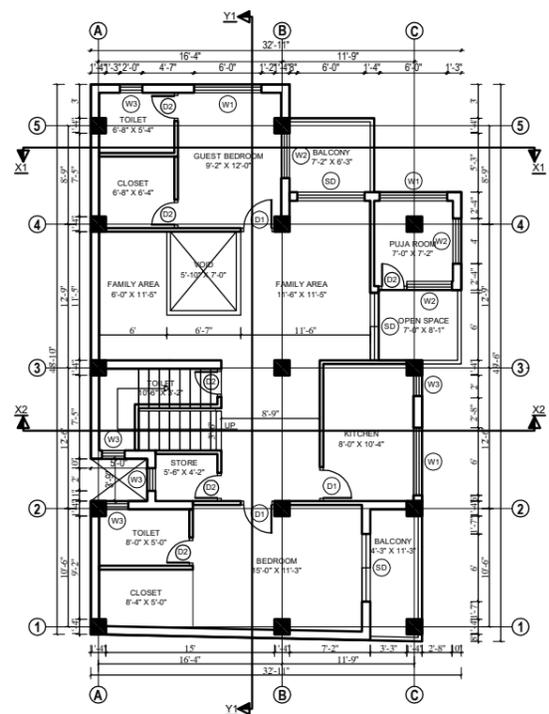
FOR OFFICIAL USE



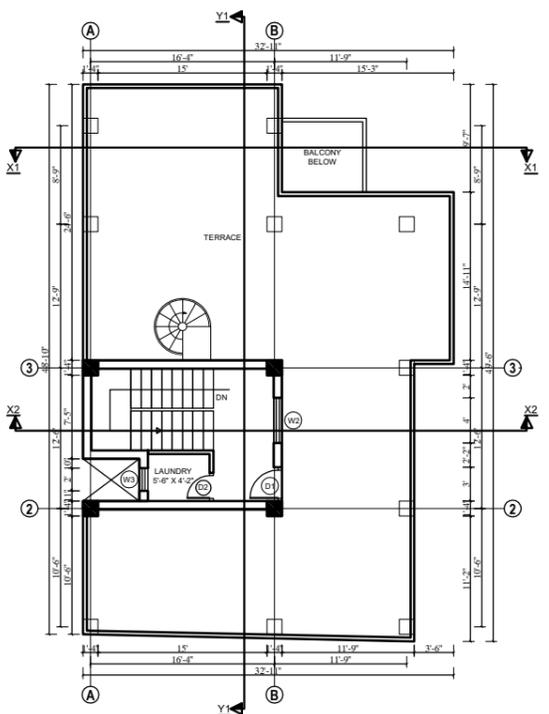
SECTION AT X2-X2



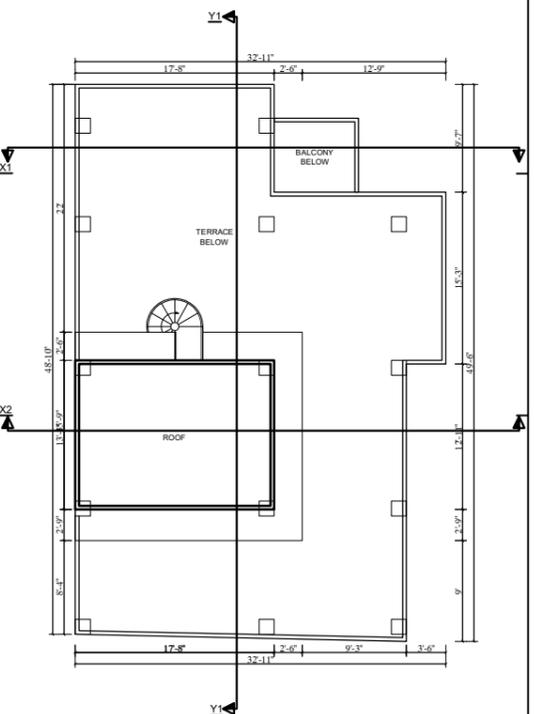
SECTION AT X1-X1



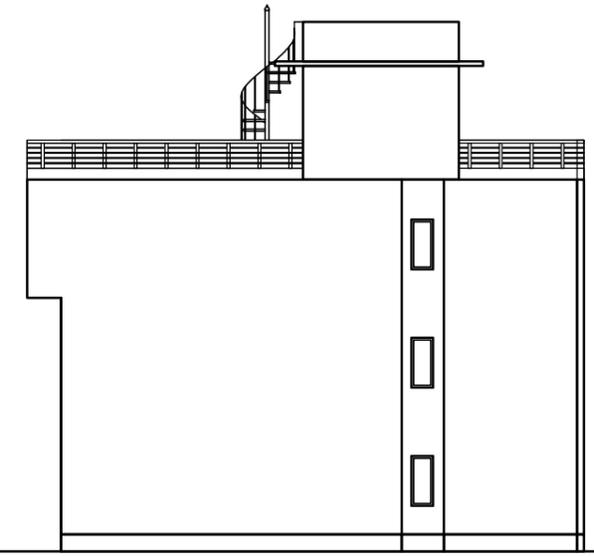
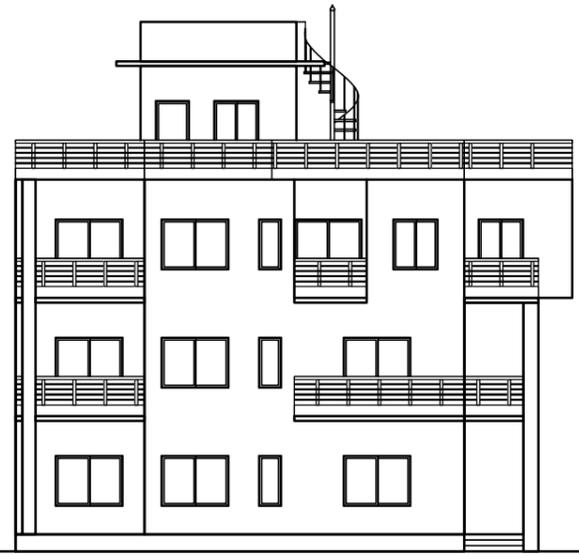
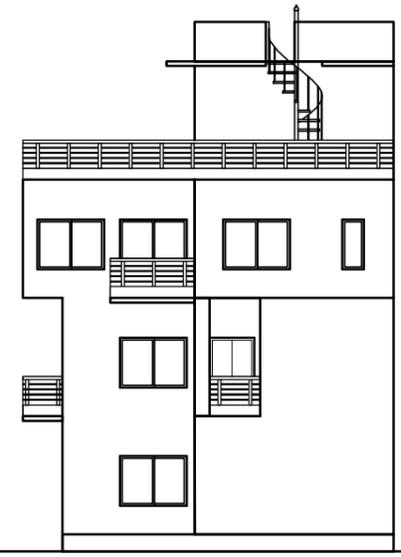
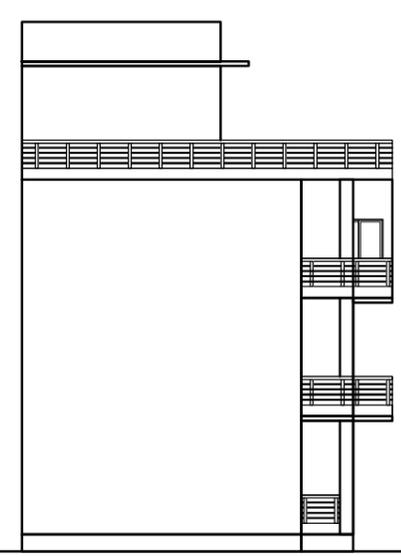
SECOND FLOOR PLAN  
 AREA: 1369.94 Sq.Ft.



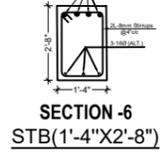
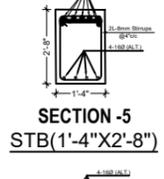
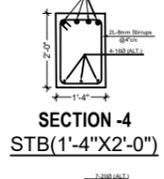
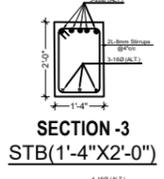
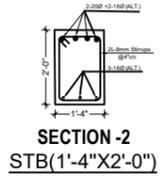
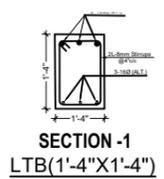
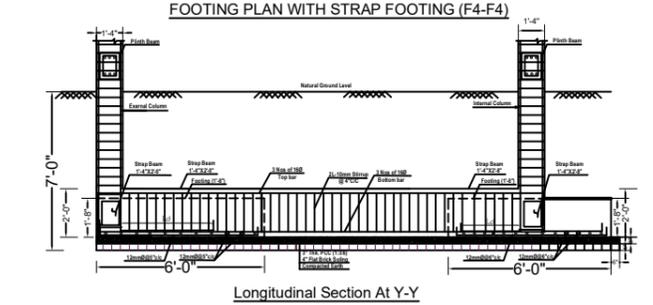
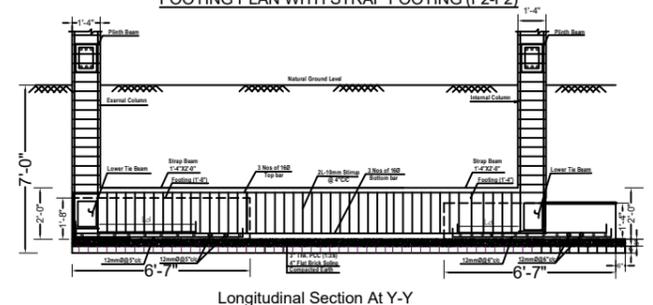
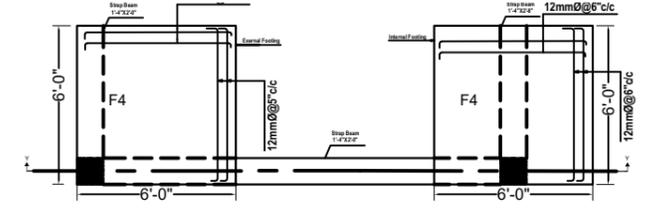
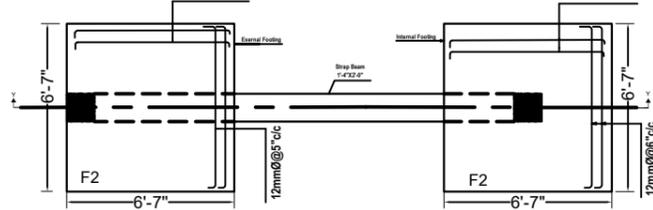
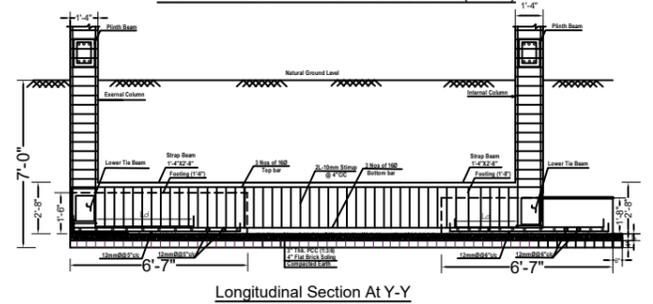
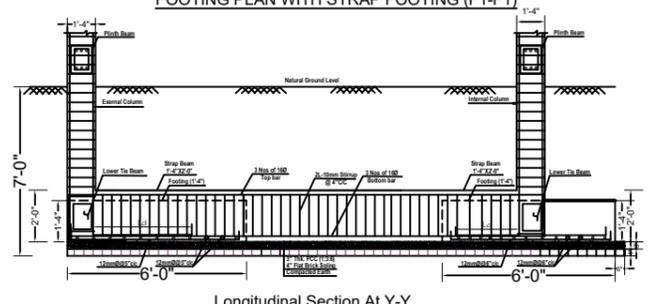
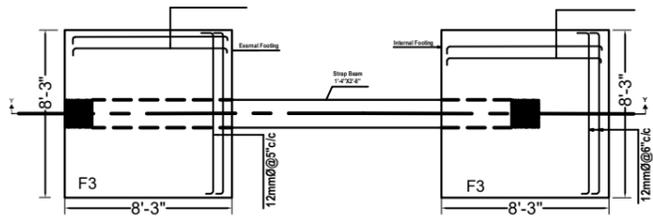
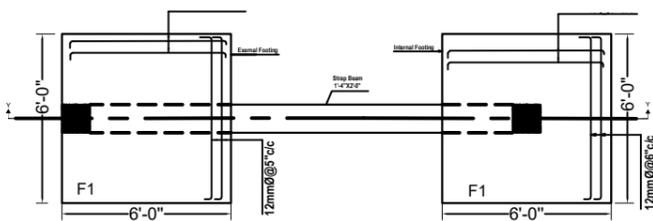
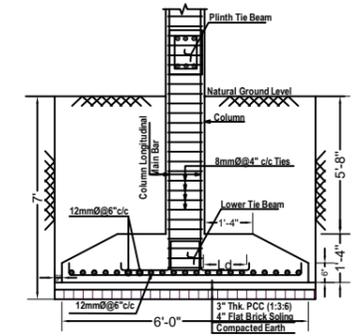
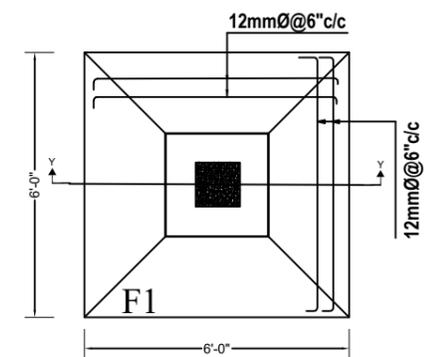
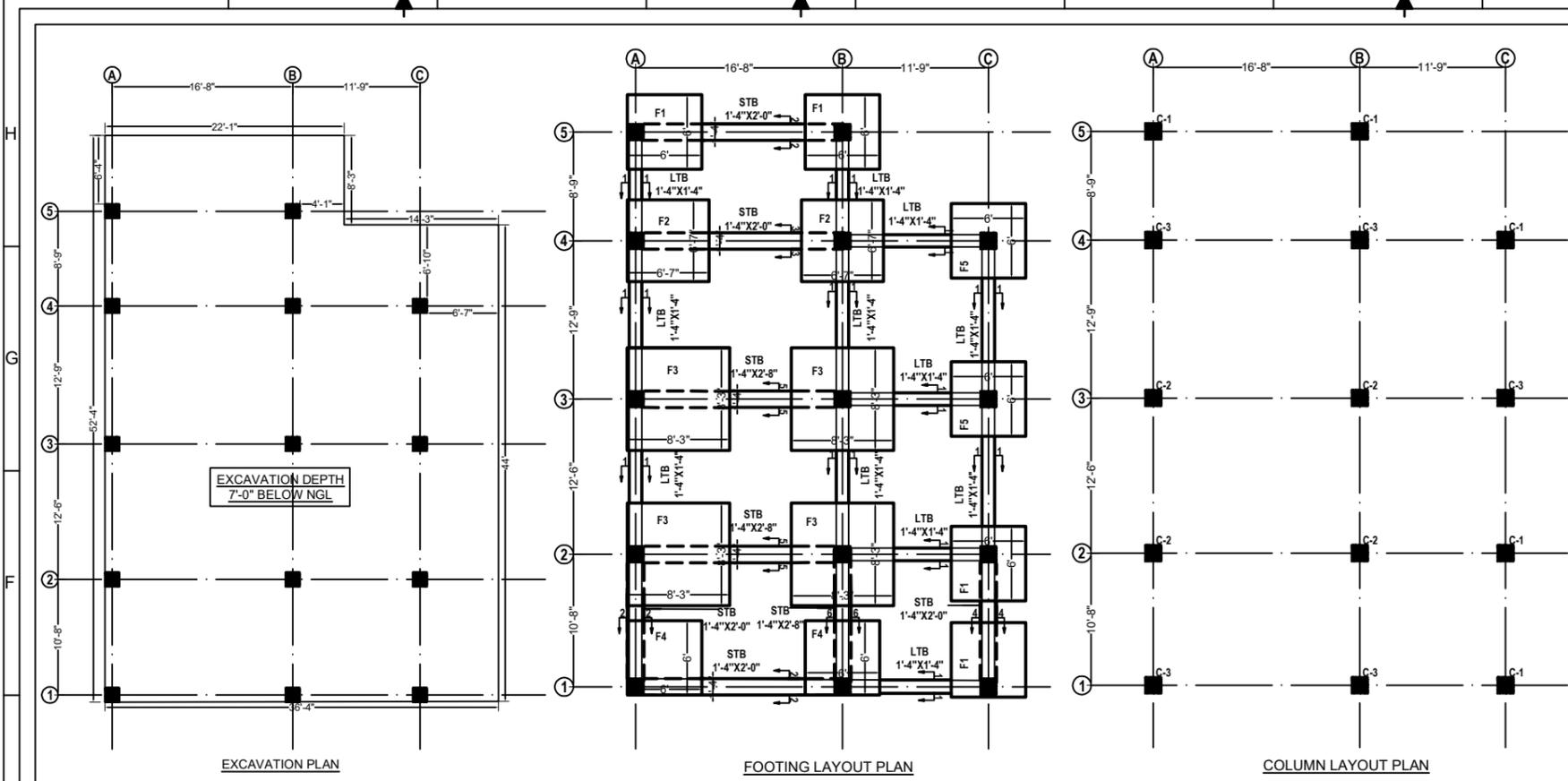
THIRD FLOOR PLAN  
 AREA: 215.33 Sq.Ft.



ROOF PLAN

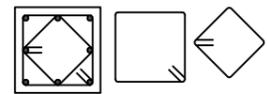


<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential	<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal		
<b>PLOT NO:</b> Not Disclosed	<b>LAND AREA:</b> 242.59 Sq.m		
<b>DRAWING TITLE:</b> Floor Plan, Section and Elevation			
<b>DESIGNED BY:</b> ARTISTA Engineering Consultancy (P) Ltd. Dhumbarahi-4, Kathmandu, Nepal Tel: +977-1-4510863, 984878762		<b>COMPANY SEAL:</b>	
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022	<b>SCALE:</b> Not To Scale	<b>LICENSE NO:</b> NEC: 12838 "Civil"	
N		<b>Sheet No.:</b> AR-02	<b>Dwg. No.:</b> AE-02

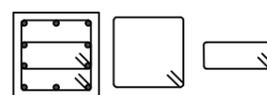


FLOOR	C-1	C-2	C-3	IN (H+Z) Zone	IN (H-2) Zone
TOP FLOOR	4-20Ø + 8-16Ø	4-20Ø + 8-16Ø	4-20Ø + 8-16Ø	4-Legged 8mm@4" c/c	4-Legged 8mm@6" c/c
SECOND FLOOR	8-20Ø	4-20Ø + 8-16Ø	4-20Ø + 8-16Ø	4-Legged 8mm@4" c/c	4-Legged 8mm@6" c/c
FIRST FLOOR	8-20Ø	4-20Ø + 8-16Ø	12-20Ø	4-Legged 8mm@4" c/c	4-Legged 8mm@6" c/c
GROUND FLOOR	8-20Ø	12-20Ø	12-20Ø	4-Legged 8mm@4" c/c	4-Legged 8mm@6" c/c
FOUNDATION	8-20Ø	12-20Ø	12-20Ø	4-Legged 8mm@4" c/c	4-Legged 8mm@6" c/c
FL FLOORS COLUMN ID	C-1 1'-4" M-20 Fe-500 (TMT)	C-2 1'-4" M-20 Fe-500 (TMT)	C-3 1'-4" M-20 Fe-500 (TMT)	IN (H+Z) Zone	IN (H-2) Zone
<b>LATERAL TIES</b>					

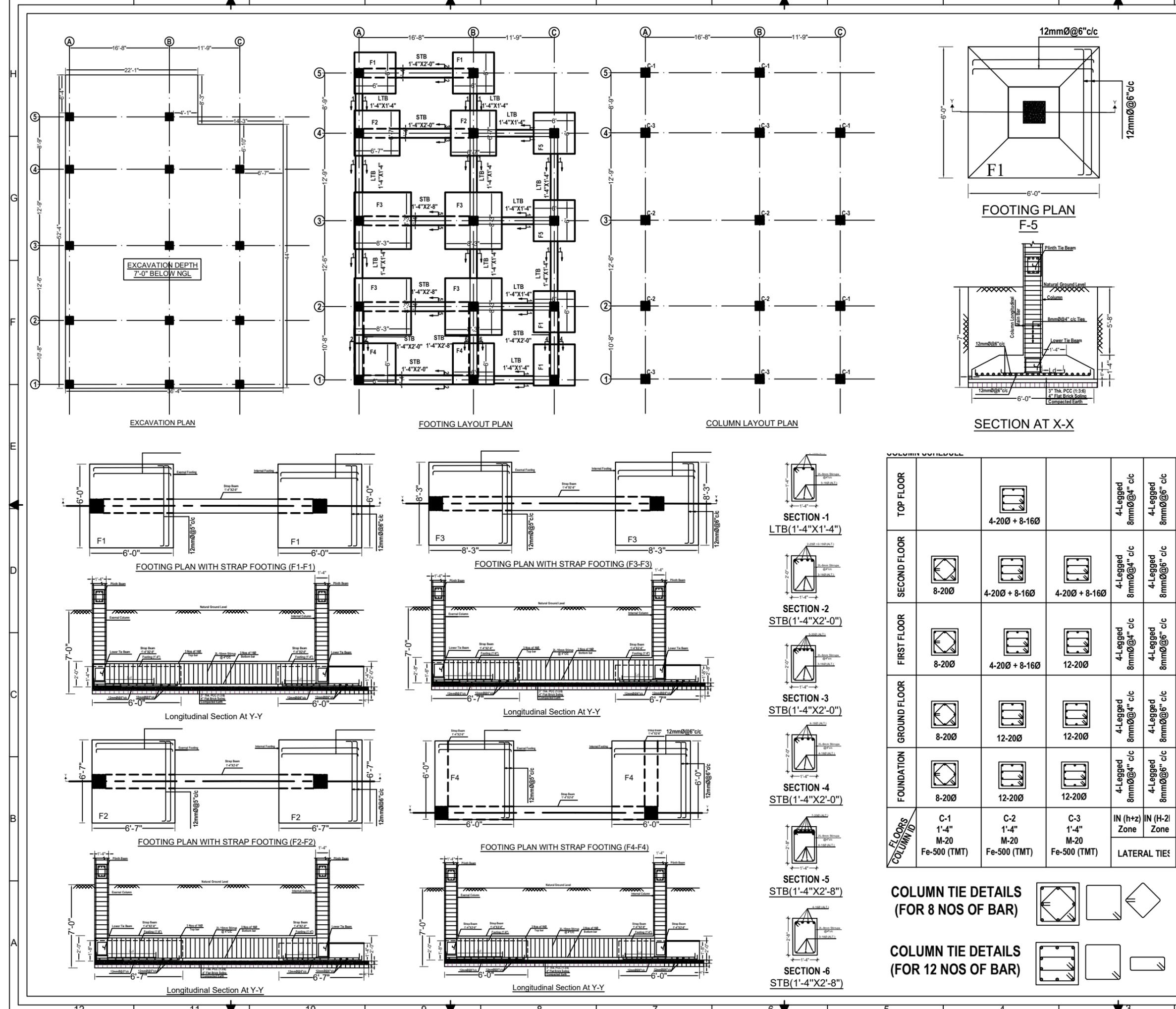
**COLUMN TIE DETAILS (FOR 8 NOS OF BAR)**

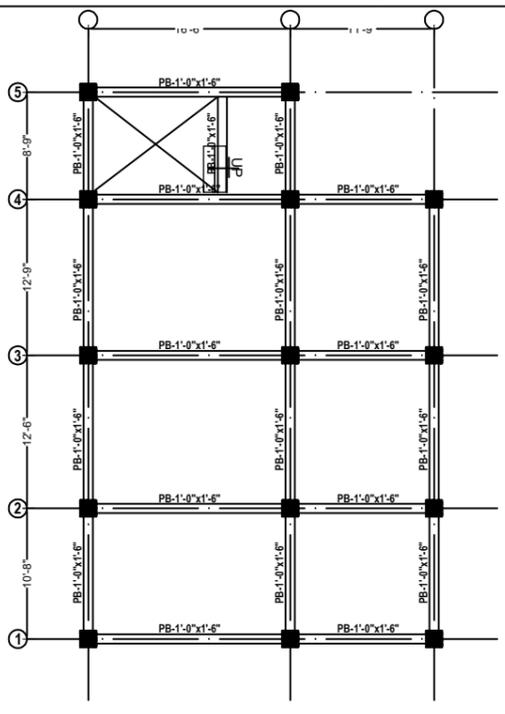


**COLUMN TIE DETAILS (FOR 12 NOS OF BAR)**

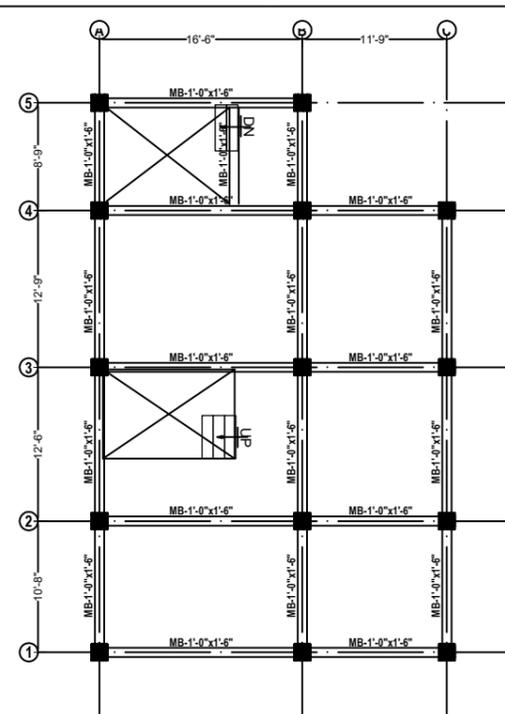


<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential	<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal		
<b>PLOT NO:</b> Not Disclosed	<b>LAND AREA:</b> 242.59 Sq.m		
<b>DRAWING TITLE:</b> Excavation Layout , Footing, Column Details			
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022		<b>SCALE:</b> As Stated	<b>LICENSE NO:</b> NEC: 12838 "Civi1"
Sheet No.: ST-01		Dwg. No.: AE-04	

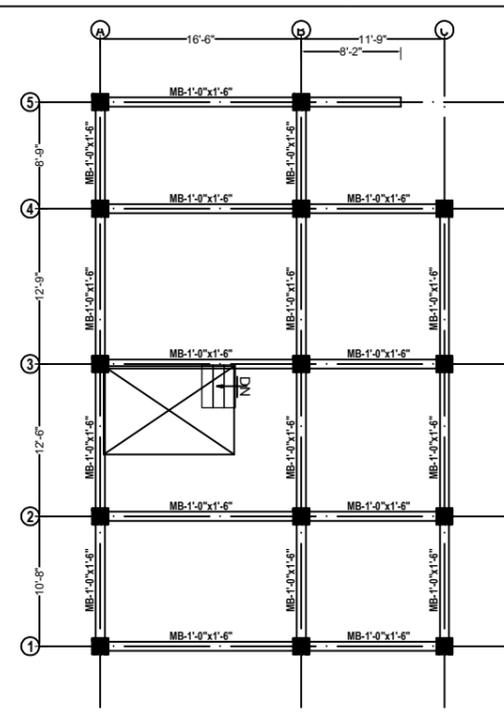




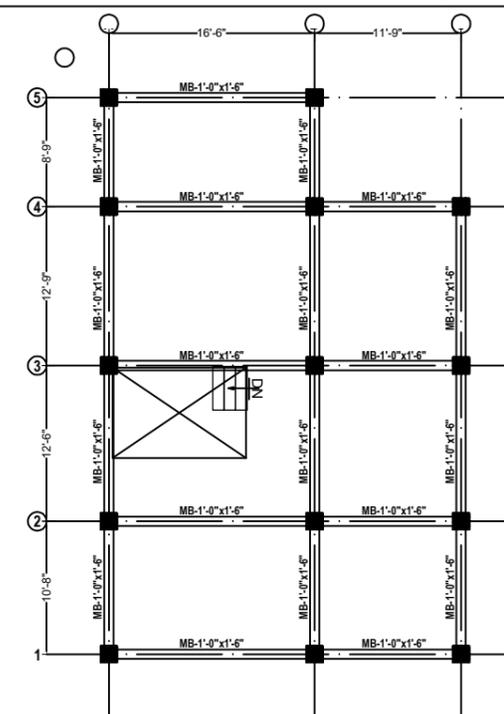
BEAM LAYOUT PLAN  
PLINTH LEVEL



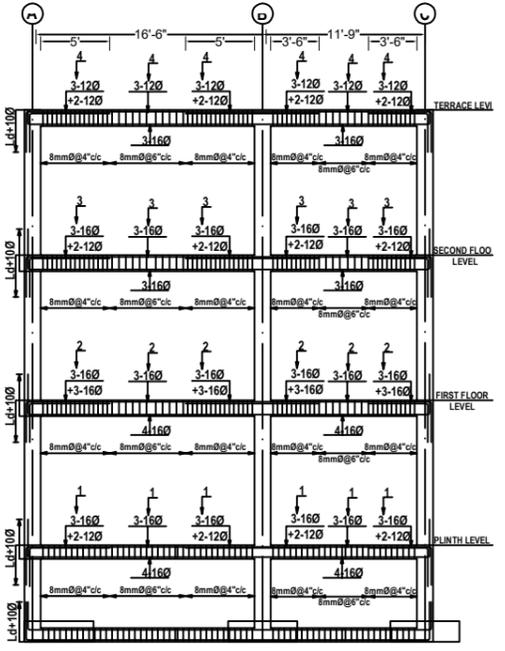
BEAM LAYOUT PLAN  
FIRST FLOOR LEVEL



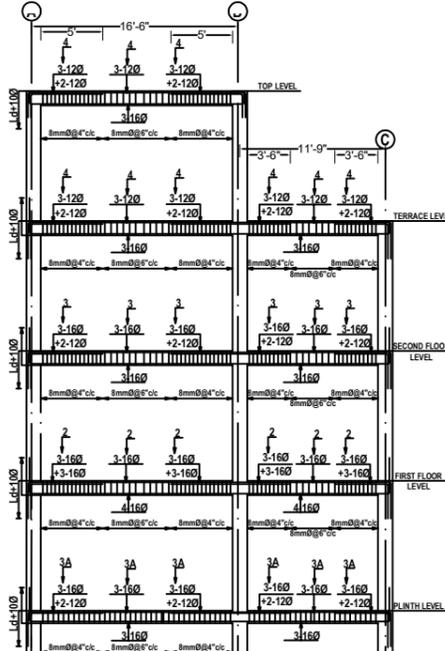
BEAM LAYOUT PLAN  
SECOND FLOOR LEVEL



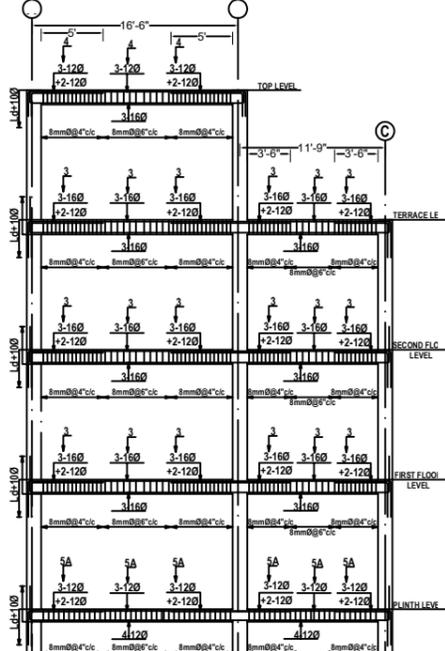
BEAM LAYOUT PLAN  
TERRACE LEVEL



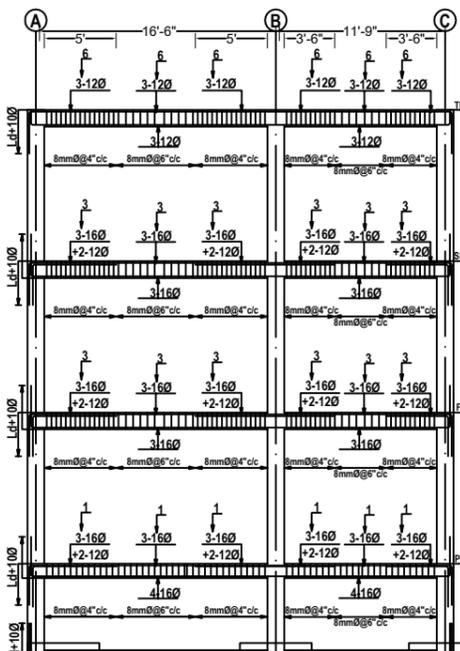
BEAM ELEVATION  
ALONG GRID 1-1



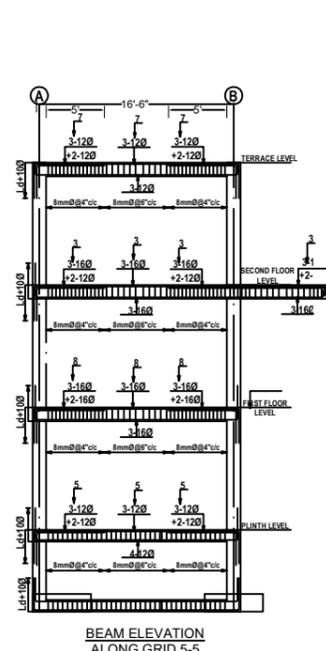
BEAM ELEVATION  
ALONG GRID 2-2



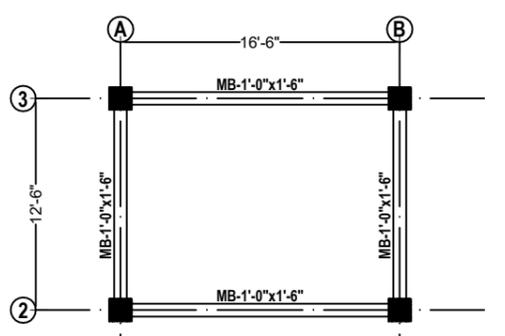
BEAM ELEVATION  
ALONG GRID 3-3



BEAM ELEVATION  
ALONG GRID 4-4



BEAM ELEVATION  
ALONG GRID 5-5



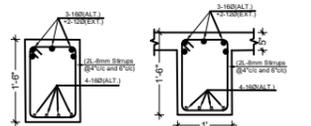
BEAM LAYOUT PLAN  
TOP LEVEL

BEAM END SECTION

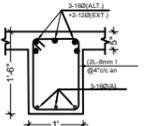
BEAM END SECTION

BEAM END SECTION

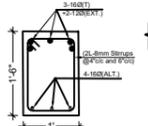
BEAM END SECTION



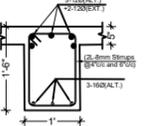
SECTION - 1



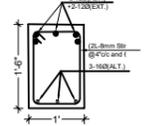
SECTION - 2



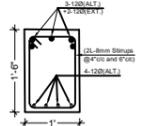
SECTION - 3



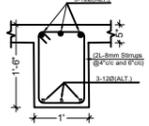
SECTION - 3A



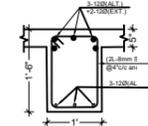
SECTION - 4



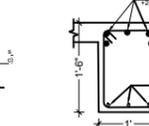
SECTION - 4A



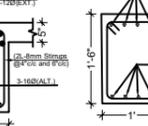
SECTION - 5



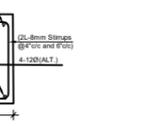
SECTION - 6



SECTION - 7



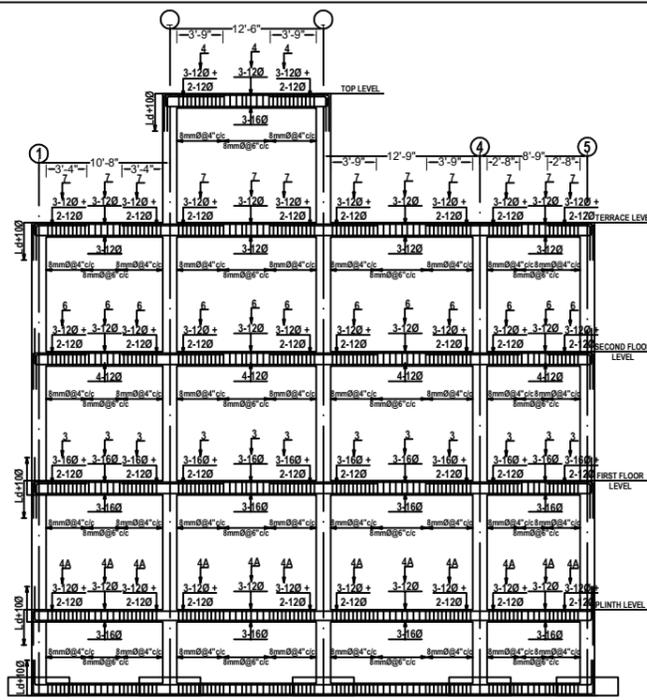
SECTION - 8



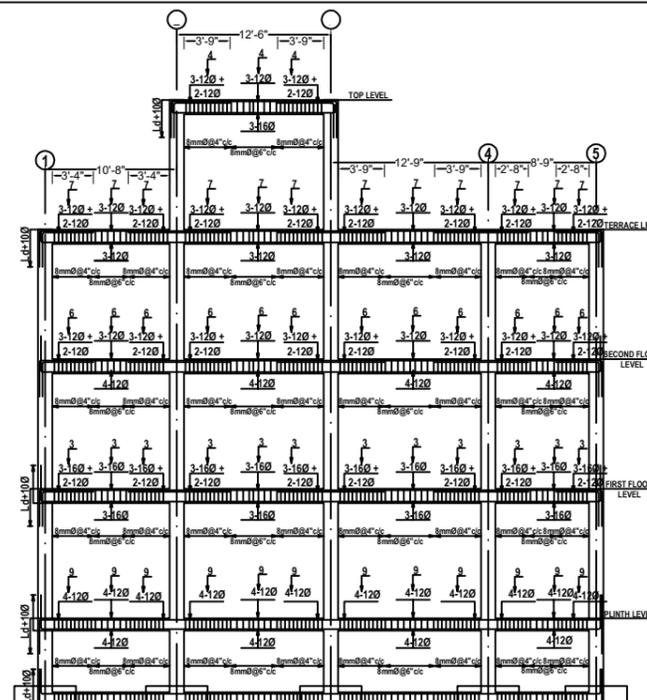
SECTION - 9

BEAM END SECTION

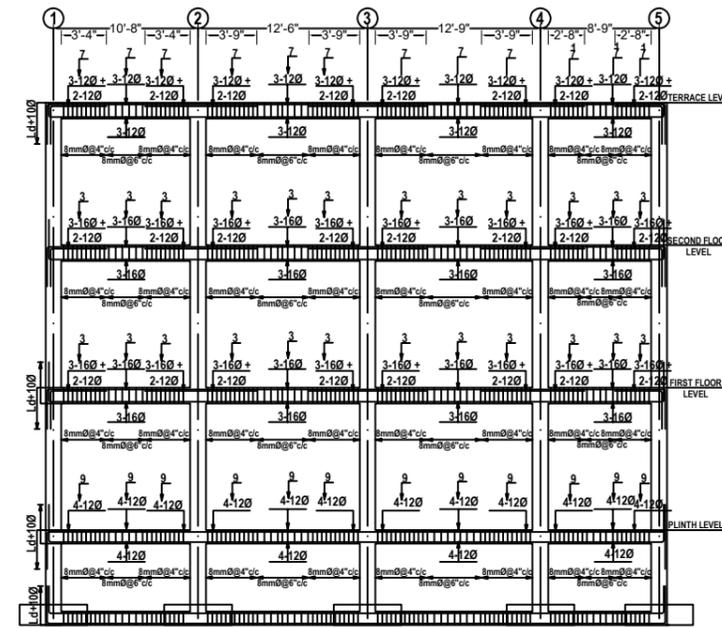
<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential		<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal	
<b>PLOT NO.:</b> Not Disclosed		<b>LAND AREA:</b> 242.59 Sq.m	
<b>DRAWING TITLE:</b> Beam Layout, Elevation, Section Details			
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022		<b>SCALE:</b> As Stated	
<b>LICENSE NO.:</b> NEC: 12838 "CiviI"		<b>COMPANY SEAL:</b>	
<b>Sheet No.:</b> ST-02		<b>Dwg. No.:</b> AE-05	



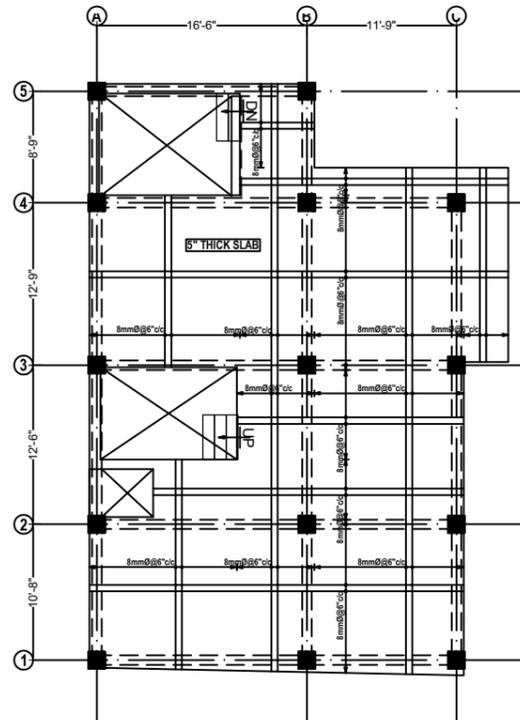
BEAM ELEVATION  
ALONG GRID A-A



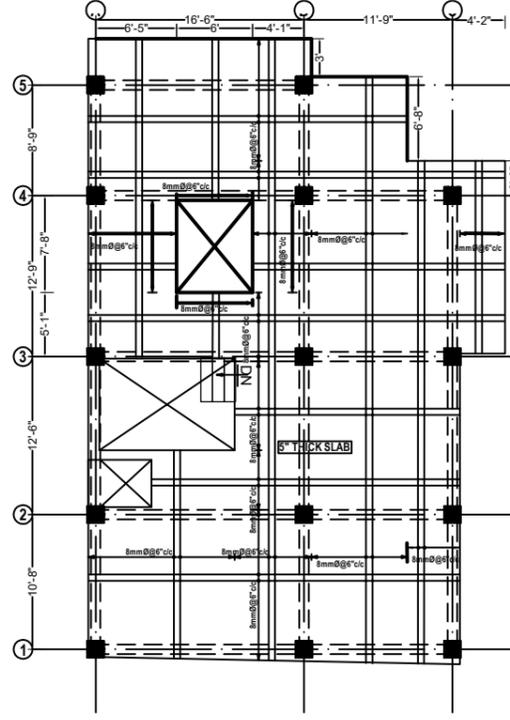
BEAM ELEVATION  
ALONG GRID B-B



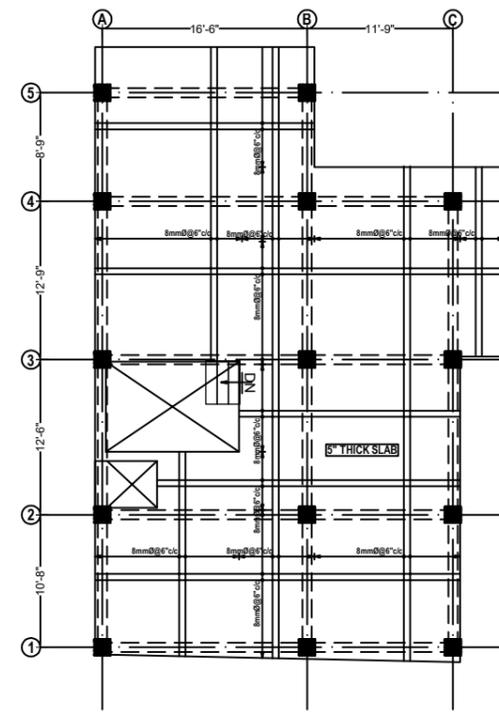
BEAM ELEVATION  
ALONG GRID C-C



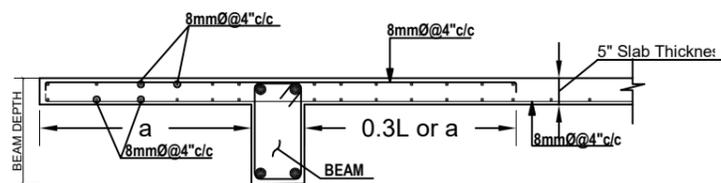
SLAB LAYOUT PLAN  
FIRST FLOOR LEVEL  
BOTTOM REINFORCEMENT DETAILS



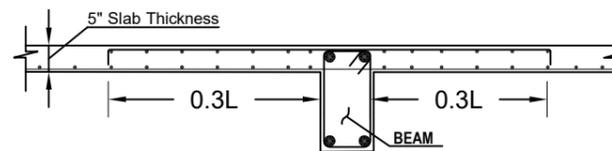
SLAB LAYOUT PLAN  
SECOND FLOOR LEVEL  
BOTTOM REINFORCEMENT DETAILS



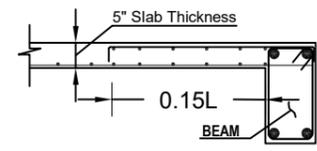
SLAB LAYOUT PLAN  
TERRACE LEVEL  
BOTTOM REINFORCEMENT DETAILS



TYPICAL CANTILEVER SLAB  
REINFORCEMENT DETAILS



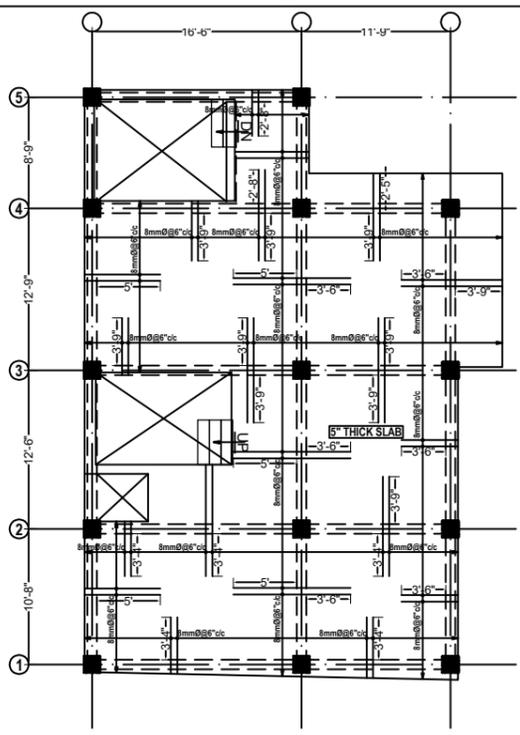
TYPICAL MIDDLE SLAB  
REINFORCEMENT DETAILS



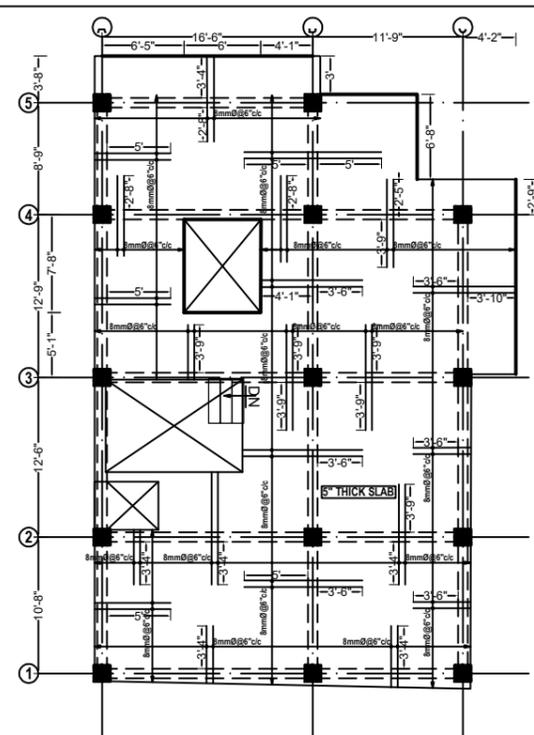
TYPICAL EDGE SLAB  
REINFORCEMENT DETAILS

<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>	
<b>BUILDING TYPE:</b> Residential	<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal		
<b>PLOT NO:</b> Not Disclosed	<b>LAND AREA:</b> 242.59 Sq.m		
<b>DRAWING TITLE:</b> Beam Elevation & Slab Reinforcement Details			
DESIGNED BY: ARTISTA Engineering Consultancy (P) Ltd. Dhumburahi-4, Kathmandu, Nepal Tel: +977-1-4510863, 984878762		COMPANY SEAL:	
<b>DRAWN BY:</b>		<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022	<b>SCALE:</b> As Stated	<b>LICENSE NO:</b> NEC: 12838 "CiviI"	
Sheet No.: ST-03		Dwg. No.: AE-06	

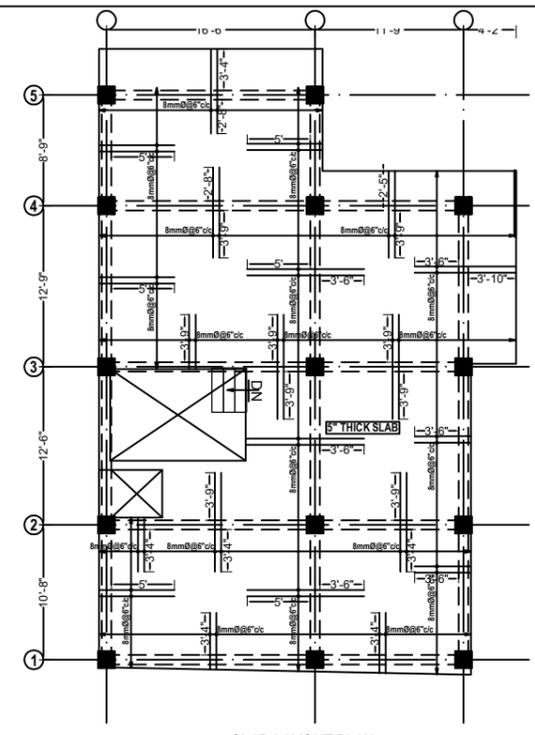
FOR OFFICIAL USE



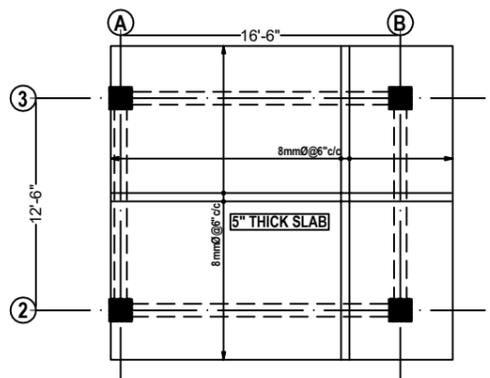
SLAB LAYOUT PLAN  
FIRST FLOOR LEVEL  
TOP REINFORCEMENT DETAILS



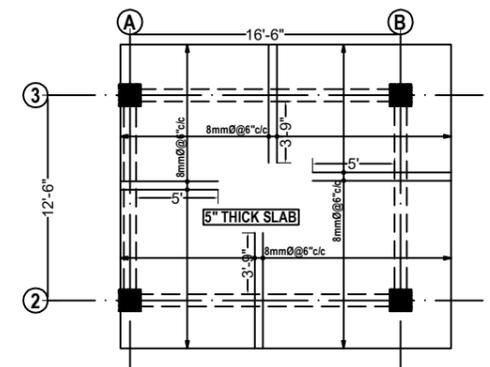
SLAB LAYOUT PLAN  
SECOND FLOOR LEVEL  
TOP REINFORCEMENT DETAILS



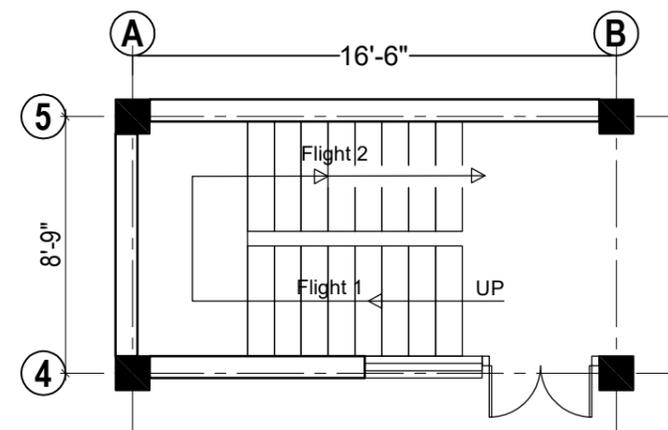
SLAB LAYOUT PLAN  
TERRACE LEVEL  
TOP REINFORCEMENT DETAILS



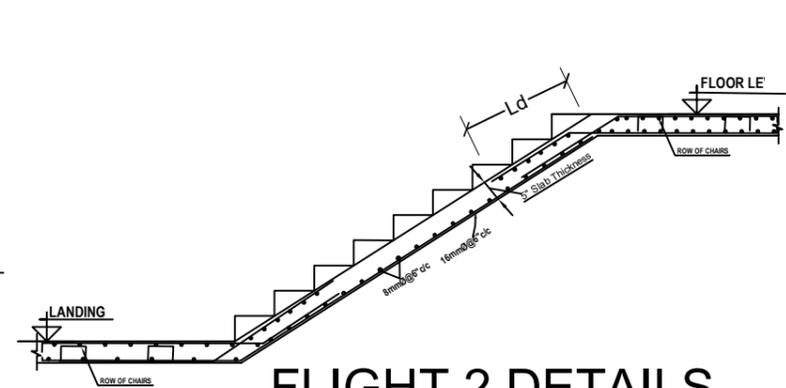
SLAB LAYOUT PLAN  
TOP LEVEL  
BOTTOM REINFORCEMENT DETAILS



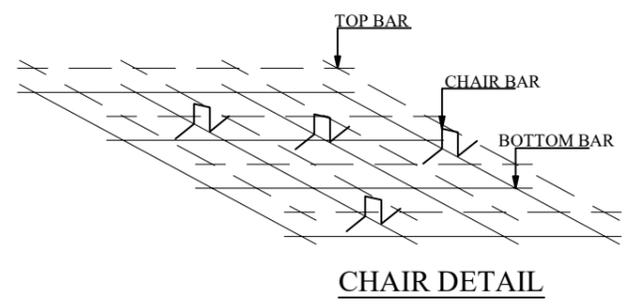
SLAB LAYOUT PLAN  
TOP LEVEL  
TOP REINFORCEMENT DETAILS



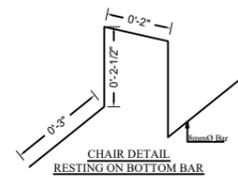
FLIGHT 1 DETAILS



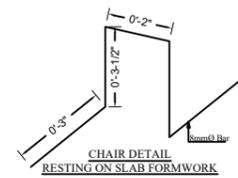
FLIGHT 2 DETAILS



CHAIR DETAIL



CHAIR DETAIL  
RESTING ON BOTTOM BAR



CHAIR DETAIL  
RESTING ON SLAB FORMWORK

<b>OWNER:</b> Not Disclosed		<b>SIGNATURE</b>
<b>BUILDING TYPE:</b> Residential	<b>LOCATION:</b> Italitar, Budhanilkantha Kathmandu, Nepal	
<b>PLOT NO:</b> Not Disclosed	<b>LAND AREA:</b> 242.59 Sq.m	
<b>DRAWING TITLE:</b> Slab and Stairs Reinforcement Details		
<b>DESIGNED BY:</b> ARTISTA Engineering Consultancy (P) Ltd. Dhumbarahi-4, Kathmandu, Nepal Tel.: +977-1-4510863, 984878762	<b>COMPANY SEAL:</b>	
<b>DRAWN BY:</b>	<b>CHECKED BY:</b>	
<b>DATE:</b> September 2022	<b>SCALE:</b> As Stated	<b>LICENSE NO:</b> NEC: 12838 "Civil"
<b>Sheet No.:</b> ST-04		<b>Dwg. No.:</b> AE-07