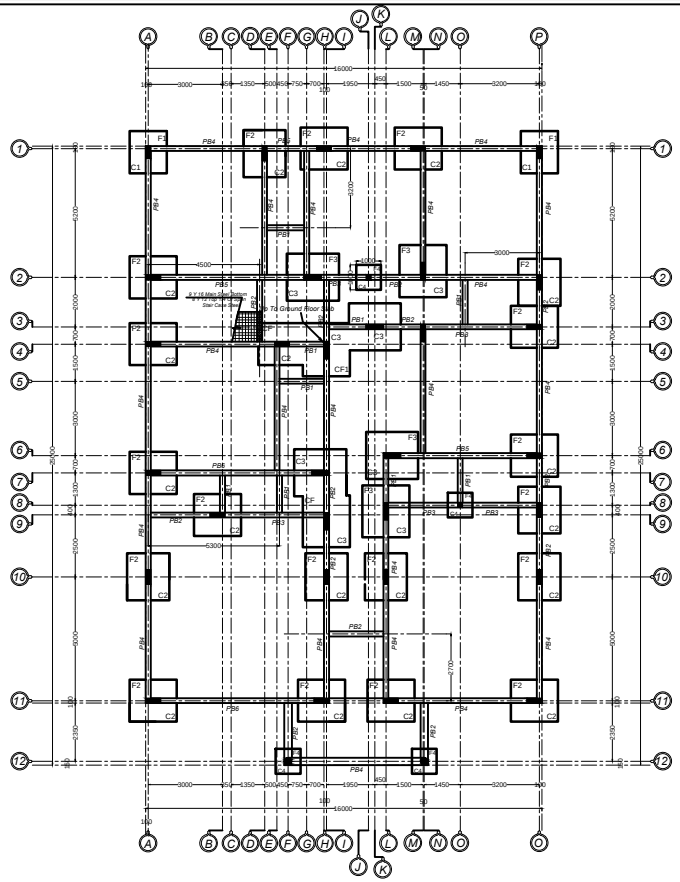
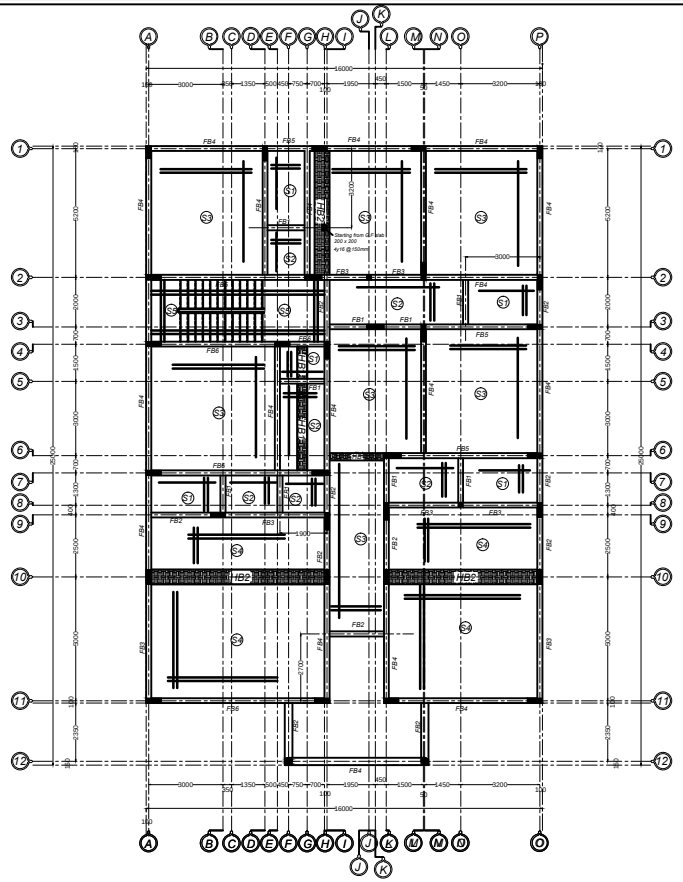
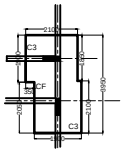


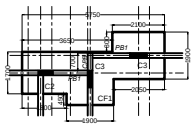
FOUNDATION LAYOUT



GROUND FLOOR SLAB REINFORCEMENT LAYOUT



DETAILS OF CF



DETAILS OF CF1

SCHEDULE OF PLINTH BEAMS

Type	Size	Bottom R.F.T.		Top R.F.T.		Stirrups	
		Cont.: Bars	Cut Bars	Cont.: Bars	Cut Bars	Support	Mid. Span
PB1	200 X 550	2 Y 16	-	2 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
PB2	200 X 550	3 Y 16	-	3 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
PB3	200 X 550	2 Y 16	2 Y 16	2 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
PB4	200 X 650	3 Y 16	2 Y 16	2 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
PB5	200 X 700	3 Y 16	2 Y 16	3 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
CPB	200 X 550	3 Y 16	-	5 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c

SCHEDULE OF FLOOR BEAMS

Type	Size	Bottom R.F.T.		Top R.F.T.		Stirrups	
		Cont.: Bars	Cut Bars	Cont.: Bars	Cut Bars	Support	Mid. Span
FB1	200 X 550	2 Y 16	-	2 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
FB2	200 X 550	3 Y 16	-	3 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
FB3	200 X 550	2 Y 16	2 Y 16	2 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
FB4	200 X 550	3 Y 16	2 Y 16	2 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
FB5	200 X 650	3 Y 16	2 Y 16	3 Y 16	2 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
FB6	200 X 700	3 Y 16	3 Y 16	3 Y 16	3 Y 16	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
HB	300 X 200	3 Y 16	-	3 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
HB1	400 X 200	5 Y 16	-	5 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c
HB2	600 X 200	6 Y 16	-	6 Y 16	-	Y 8 @ 150 mm c/c	Y 8 @ 150 mm c/c

SCHEDULE OF FOOTINGS

Type	P.C.C	R.C.C	Bottom R.F.T.		Top R.F.T.	
			Short	Long	Short	Long
F1	1900 X 1700 X 100	1700 X 1500 X 500	Y16@ 150 mm c/c	Y16@ 150 mm c/c	-	-
F2	2100 X 1900 X 100	1900 X 1700 X 500	Y16@ 150 mm c/c	Y16@ 150 mm c/c	-	-
F3	2300 X 2100 X 100	2100 X 1900 X 500	Y16@ 180 mm c/c	Y16@ 180 mm c/c	-	-
F4	1200 X 1200 X 100	1000 X 1000 X 500	Y16@ 180 mm c/c	Y16@ 180 mm c/c	-	-
CF	See Details X 100	See Details X 500	Y16@ 180 mm c/c	Y16@ 180 mm c/c	Y16@ 180 mm c/c	Y16@ 180 mm c/c
CF1	See Details X 100	See Details X 500	Y16@ 180 mm c/c	Y16@ 180 mm c/c	Y16@ 180 mm c/c	Y16@ 180 mm c/c

SCHEDULE OF COLUMNS

Type	Size	Main R.F.T.	Links	Remarks
C1	200 X 500	6 Y 16	Y8 @ 150 mm c/c	–
C2	200 X 600	8 Y 16	2Y8 @ 150 mm c/c	–
C3	200 X 700	10 Y 16	2Y8 @ 150 mm c/c	–
C4	200 X 200	4 Y 16	2Y8 @ 150 mm c/c	–

SCHEDULE OF SLABS

Type	Thickness	Bottom Main R.F.T.		Top 1/4 Of Span	
		Short Span	Long Span	Short Span	Long Span
S1	150 mm	Y12 @ 150 mm c/c	Y12 @ 150 mm c/c	——	——
S2	160 mm	Y12 @ 150 mm c/c	Y12 @ 150 mm c/c	——	——
S3	170 mm	Y12 @ 150 mm c/c	Y12 @ 150 mm c/c	Y12 @ 150 mm c/c	Y16 @ 150 mm c/c
S4	200 mm	Y12 @ 150 mm c/c	Y12 @ 150 mm c/c	Top & Bottom	
S5	200 mm	Y12 @ 150 mm c/c	Y16 @ 150 mm c/c	Top & Bottom	

Structural Notes:

1. Foundation Design For Three Storey.
2. Assumed Soil Bearing Capacity Will Be 200 KN/m Sq.
3. Steel Used Is HYSD 415 N/mm Sq.
4. Depth Of Foundation Not Less Than -150 Cm. From The Natural Ground Level.
5. The Supervisor / Consultant Should Check the Soil Condition Prior For Actual Construction.
6. The Grade (C25) Concrete For All Structural Purpose.
7. 2 Nos : Of Extra Bar On Top Of Every Cantilevered Beam Extended Upto 1.5 Times Of The Length Behind The Support. (Inverted Or Normal)
8. Min: 30mm Covering For The Plinth Beams & Short Columns.

Stamp & Signature

IBN YAHYYA
ENGINEERING CONSULTANCY

Project Title	PROPOSED BUILDING
Location: North Sahalnoot	Plot Area: 600.00 Sq.m
Plot no.: 734 - G	
Client name: NOOR SALIM AHMED AL HADEED	
Drawing title: 1. FOUNDATION LAYOUT 2. GROUND FLOOR SLAB REINFORCEMENT LAYOUT 3. SCHEDULES	
Drawn by: Taqi	Designed by: Architect Hammam
Checked by: Eng. Taqi Abbas	
Scale: 1:100	Date: Dec, 2020
Project No	Sheet No: 01

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