

C4

C1 100

C2 $+ \frac{100}{100}$

C2

C2

C5

C3

C5

500 1700 500 2400 1800 2000

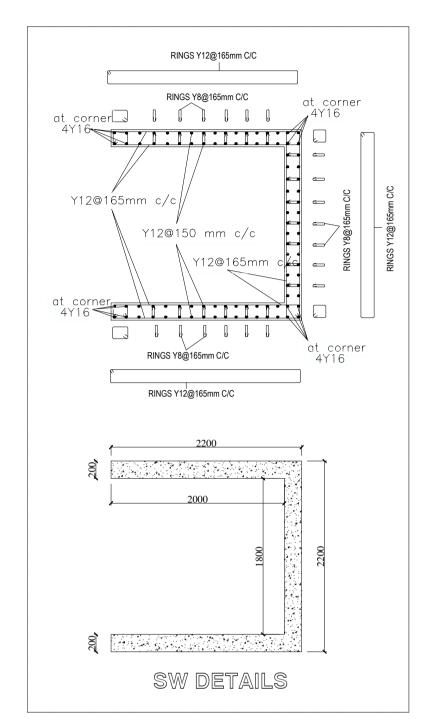
7 8 9

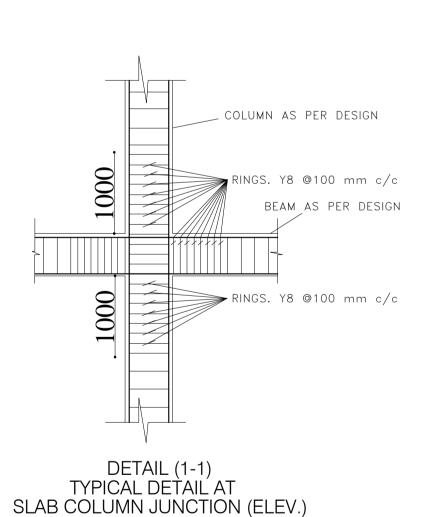
COLUMNS LAYOUT PLAN

C4

1650 500

E



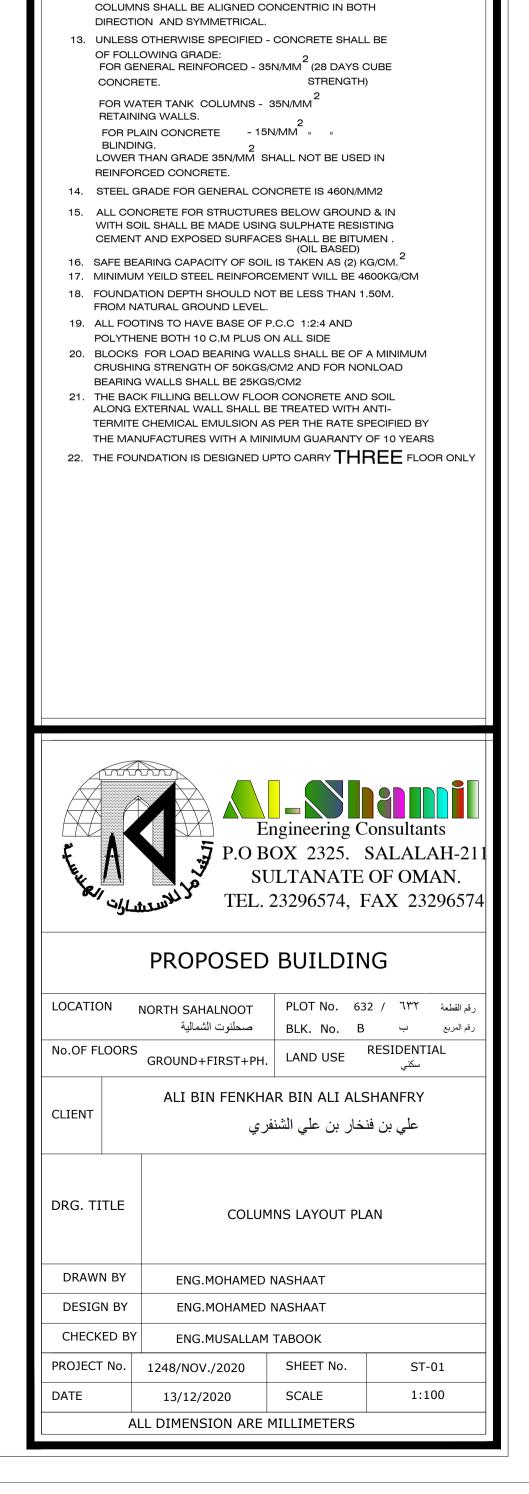


(NOT TO SCALE)

DETAILS OF COLUMNS

	(mm) 200X200	4Y16			
Ср	[20 [2]	0. 1*Y8@150 4Y16	UP TO PLINTH BEAMS ONLY		
	(mm) 200X500	8Y16			
C1	2005	2*Y8@150 8Y16			
	(mm) 300X500	10 Y16			
C2	005	2*Y8@130 10Y16			
	(mm) 300X600	12 Y16			
C3		3*Y8@130 12Y16			
	(mm) 300X900	16 Y16			
C4		300, 3*Y8@130 16Y16			
	(mm) 400X400	8Y16			
C5		2*Y8@130 8Y16			
	(mm) 400X400	8 Y20			
C6	90	2*Y8@130 8Y20			
	(mm) 600X600	16 Y16			
C7	009				
	(mm) SEE DETAILS	10 Y16			
C8	10Y16 4*Y8@130	320			

NOTE: RINGS MUST BE @100 mm C/C IN A DISTANCE 1m FROM TOP AND BOTTOM ENDS OF ALL COLUMNS AS SHOWEN IN DET.(1-1)



STRUCTURAL NOTES

ARCHITECTURAL DRAWINGS.

FOLLOWED.

1/5 OF THE SPAN.

ADJACENT SPAN.

SHALL BE:

1. DO NOT SCALE THE DRAWING, WRITTEN DIMENTION TO BE

3. IN SIMPLE SPANS OF SLABS AND BEAMS OF STEEL IS BENT AT

4. IN CONTINUOUS SPAN OF SLABS AND BEAM, STEEL IS BENT AT 1/5 OF THE SPAN AND MUST BE EXTENDED TO 1/4 OF THE

6. THE STEEL OF THE CANTILEVER MUST BE EXTENDED 1.5 TIMES

25 MM 25 MM

FOOTINGS 50 MM ON SIDE & 70 MM AT BOTTOM.

5. FOR BEAMS WITHOUT BENT BARS, THE UPPER STEEL MUST BE EXTENDED TO 1/4 OF THE ADJACENT SPANS.

OF THE CANTILEVER BEHIND THE SUPPORT.

7. CLEAR CONCRETE COVER TO MAIN REINFORCEMENT

WALLS & STAIRS 25 MM

WITH THE AXES OF ARCHITECTURAL DRAWING.

10. FOUNDATION DEPTH AND EXCAVATED GROUND IS TO BE

8. OVER LAPPING OF STEEL SHOULD NOT BE LESS THAN 60 D
IN TENSION AND 45 D IN COMPRESSION AND NOT LESS THAN

9. THE CONTRACTOR MUST CHECK THE AXES OF THE COLUMNS

CHECKED BY ENGINEER IN-CHARGE BEFORE CASTING

FOOTING. ALL FOOTING SHALL BE SUPPORTED OVER

PROPERLY COMPACTED SOIL OF BEARING CAPACITY

PLACED IN LAYERS NOT EXEEDING DEPTH OF 150mm.&

11. BACK FILLING OF FOUNDATION SHALL BE UNIFORMLY

CONSOLIDATED BY VIBRATION TO ENGINEERS

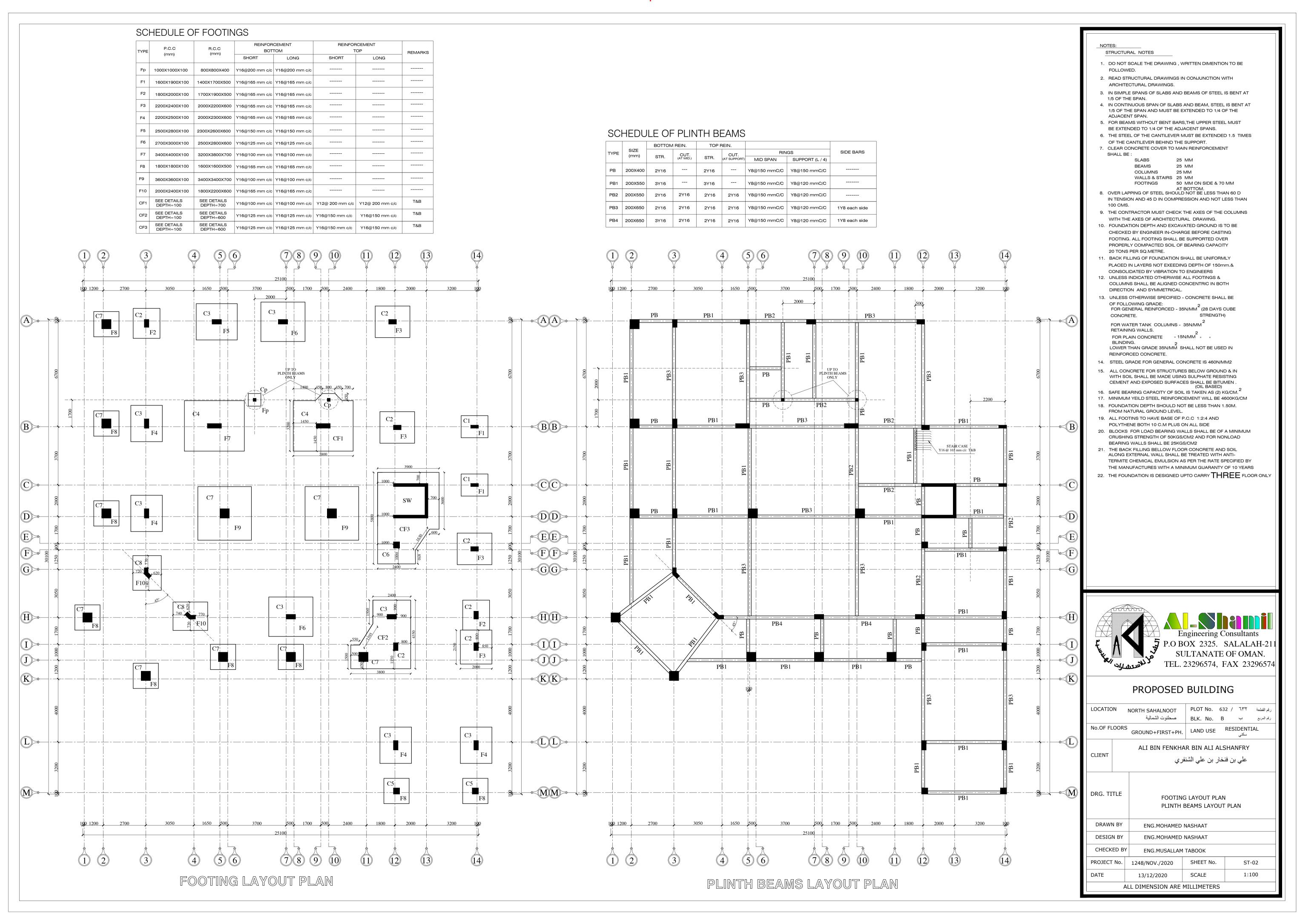
12. UNLESS INDICATED OTHERWISE ALL FOOTINGS &

BEAMS

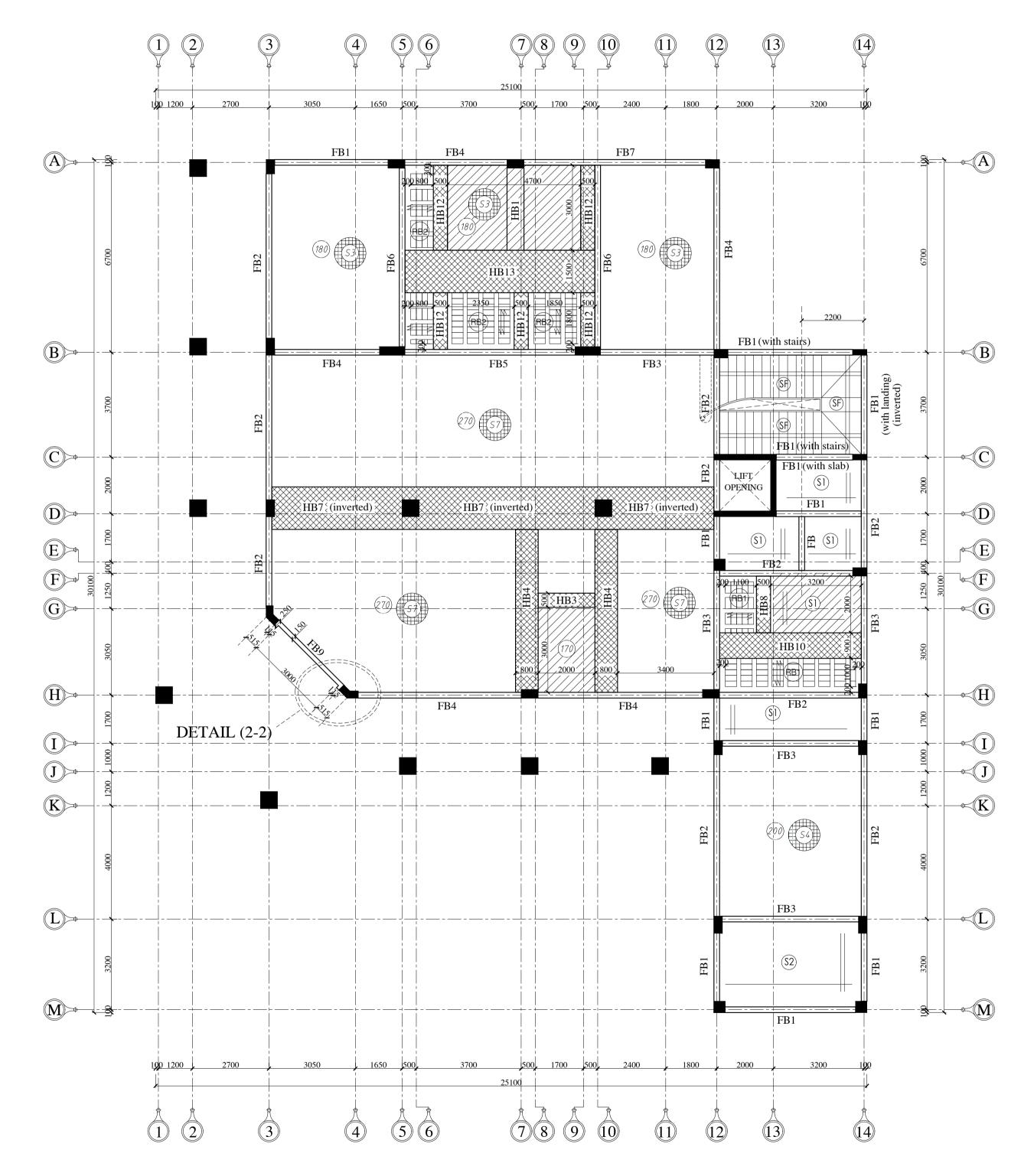
20 TONS PER SQ.METRE.

COLUMNS

2. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH



FOR SECTIONS & DETAILS SEE SHEET NO. (ST-06)



GROUND FLOOR SLABS & BEAMS LAYOUT PLAN

SCHEDULE OF FLOOR BEAMS

		RE	INFORC	EMENT		RING	GS		
TYPE	SIZE	вот	гом	TC)P	@ mid span	@ supports	SIDE BARS	
IIFE	SIZE	STR.	CUT	STR.	CUT	e mid span	e aupporta		
FB	200X500	2Y16		2Y16		Y8@150 mm. C/C	Y8@100 mm. C/C		
FB1	200X600	3Y16		3Y16		Y8@150 mm. C/C	Y8@100 mm. C/C		
FB2	200X600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C		
FB3	200X600	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C		
FB4	200X700	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE	
FB5	200X700	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE	
FB6	200X750	3Y20	2Y20	3Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE	
FB7	200X750	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE	
FB8	200X970	2Y16	2Y16	2Y16	2Y16	2Y8@150 mm. C/C CLOSED	2Y8@150 mm. C/C CLOSED	2Y16 /SIDE inverted	
FB9	(150) 250) x600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@150 mm. C/C	SEE DETAILS	
FB10	200X900	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	2Y8 /SIDE	
FB11	200X550	3Y16		3Y16		Y8@150 mm. C/C	Y8@150 mm. C/C	SEE SECTION	
CFB	200X750	6Y16	1.5 L , L ,		Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE		
RB1	150X340	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C		
RB2	150X360	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C		
HB1	600X180	6Y16		6Y12		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
HB2	800X220	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
нвз	500X270	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
НВ4	800X270	8Y16		8Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
HB5	600X300	6Y16		6Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	inverted	
НВ6	1000X300	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	inverted	
НВ7	1500X320	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	inverted	
HB8	500X340	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
HB9	700X340	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
HB10	900X340	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C		
HB11	1200X340	12Y16		12Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C		
HB12	500X360	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C		
HB13	1500X360	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C		

SCHEDULE OF SLABS

		воттом	RFT					
	THICKNESS			SHC	ORT DIR	LONG	DIR	
TYPE	(mm)	SHORT DIR	LONG DIR	MID SPAN	SUPPORT (1/4 th Span)	MID SPAN	SUPPORT (1/4 th Span)	REMARKS
S1	150	Y12@165 mm c/c	Y12@165 mm c/c		Y12@200 mm c/c		Y12@200 mm c/c	
S2	170	Y12@165 mm c/c	Y12@165 mm c/c		Y12@165 mm c/c		Y12@165 mm c/c	
S3	200	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	mm c/c	Y12@165	5 mm c/c	T&B (DOUBLE REIN.)
S4	220	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	mm c/c	Y12@16	5 mm c/c	T&B (DOUBLE REIN.)
S5	250	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	mm c/c	Y12@16	5 mm c/c	T&B (DOUBLE REIN.)
S6	270	Y12@150 mm c/c	Y12@150 mm c/c	Y12@150	Y12@150 mm c/c Y12@150 mm c/c		0 mm c/c	T&B (DOUBLE REIN.)
SF	200	Y12@165 mm c/c	Y16@165 mm c/c	Y12@165	mm c/c	Y16@165 mm c/c		STAIRS SLAB (DOUBLE LAYER)
SL	200	Y16@165 mm c/c	Y12@165 mm c/c	Y16@165 mm c/c		Y12@165 mm c/c		STAIRS SLAB (DOUBLE LAYER)

STRUCTURAL NOTES

1/5 OF THE SPAN.

- 1. DO NOT SCALE THE DRAWING , WRITTEN DIMENTION TO BE FOLLOWED.
- 2. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH
- ARCHITECTURAL DRAWINGS. 3. IN SIMPLE SPANS OF SLABS AND BEAMS OF STEEL IS BENT AT
- 4. IN CONTINUOUS SPAN OF SLABS AND BEAM, STEEL IS BENT AT 1/5 OF THE SPAN AND MUST BE EXTENDED TO 1/4 OF THE
- ADJACENT SPAN.

6. THE STEEL OF THE CANTILEVER MUST BE EXTENDED 1.5 TIMES

- 5. FOR BEAMS WITHOUT BENT BARS, THE UPPER STEEL MUST
- BE EXTENDED TO 1/4 OF THE ADJACENT SPANS.
- OF THE CANTILEVER BEHIND THE SUPPORT. 7. CLEAR CONCRETE COVER TO MAIN REINFORCEMENT

SHALL BE : BEAMS 25 MM

COLUMNS 25 MM WALLS & STAIRS 25 MM

FOOTINGS 50 MM ON SIDE & 70 MM AT BOTTOM. 8. OVER LAPPING OF STEEL SHOULD NOT BE LESS THAN 60 D IN TENSION AND 45 D IN COMPRESSION AND NOT LESS THAN

100 CMS. 9. THE CONTRACTOR MUST CHECK THE AXES OF THE COLUMNS

WITH THE AXES OF ARCHITECTURAL DRAWING. 10. FOUNDATION DEPTH AND EXCAVATED GROUND IS TO BE CHECKED BY ENGINEER IN-CHARGE BEFORE CASTING FOOTING. ALL FOOTING SHALL BE SUPPORTED OVER

PROPERLY COMPACTED SOIL OF BEARING CAPACITY 20 TONS PER SQ.METRE. 11. BACK FILLING OF FOUNDATION SHALL BE UNIFORMLY

PLACED IN LAYERS NOT EXEEDING DEPTH OF 150mm.& CONSOLIDATED BY VIBRATION TO ENGINEERS 12. UNLESS INDICATED OTHERWISE ALL FOOTINGS &

COLUMNS SHALL BE ALIGNED CONCENTRIC IN BOTH DIRECTION AND SYMMETRICAL. 13. UNLESS OTHERWISE SPECIFIED - CONCRETE SHALL BE

OF FOLLOWING GRADE: FOR GENERAL REINFORCED - 35N/MM² (28 DAYS CUBE STRENGTH) CONCRETE. FOR WATER TANK COLUMNS - 35N/MM

RETAINING WALLS. FOR PLAIN CONCRETE - 15N/MM " " BLINDING. LOWER THAN GRADE 35N/MM SHALL NOT BE USED IN REINFORCED CONCRETE.

14. STEEL GRADE FOR GENERAL CONCRETE IS 460N/MM2

15. ALL CONCRETE FOR STRUCTURES BELOW GROUND & IN WITH SOIL SHALL BE MADE USING SULPHATE RESISTING CEMENT AND EXPOSED SURFACES SHALL BE BITUMEN . (OIL BASED)

- 16. SAFE BEARING CAPACITY OF SOIL IS TAKEN AS (2) KG/CM. 17. MINIMUM YEILD STEEL REINFORCEMENT WILL BE 4600KG/CM
- 18. FOUNDATION DEPTH SHOULD NOT BE LESS THAN 1.50M. FROM NATURAL GROUND LEVEL.
- 19. ALL FOOTINS TO HAVE BASE OF P.C.C 1:2:4 AND POLYTHENE BOTH 10 C.M PLUS ON ALL SIDE
- 20. BLOCKS FOR LOAD BEARING WALLS SHALL BE OF A MINIMUM CRUSHING STRENGTH OF 50KGS/CM2 AND FOR NONLOAD
- BEARING WALLS SHALL BE 25KGS/CM2 21. THE BACK FILLING BELLOW FLOOR CONCRETE AND SOIL ALONG EXTERNAL WALL SHALL BE TREATED WITH ANTI-TERMITE CHEMICAL EMULSION AS PER THE RATE SPECIFIED BY
- THE MANUFACTURES WITH A MINIMUM GUARANTY OF 10 YEARS 22. THE FOUNDATION IS DESIGNED UPTO CARRY THREE FLOOR ONLY



PROPOSED BUILDING

LOCATION NORTH SAHALNOOT No.OF FLOORS GROUND+FIRST+PH. LAND USE RESIDENTIAL ALI BIN FENKHAR BIN ALI ALSHANFRY

CLIENT علي بن فنخار بن علي الشنفري

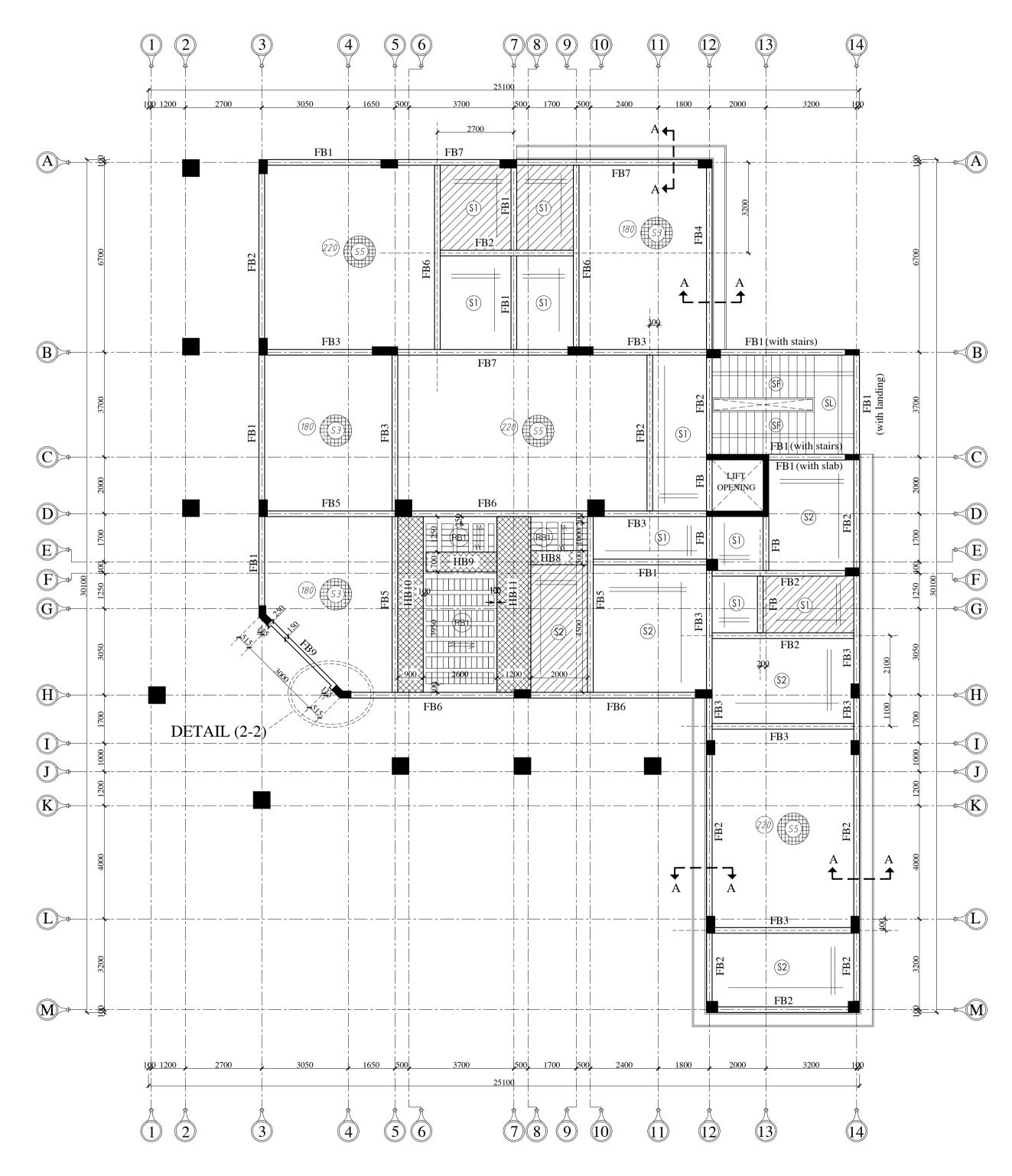
DRG. TITLE GROUND FLOOR SLABS & BEAMS LAYOUT PLAN

DRAWN BY ENG.MOHAMED NASHAAT ENG.MOHAMED NASHAAT CHECKED BY ENG.MUSALLAM TABOOK ST-03 PROJECT No. 1248/NOV./2020

1:100

SCALE 13/12/2020 ALL DIMENSION ARE MILLIMETERS

FOR SECTIONS & DETAILS SEE SHEET NO. (ST-06)



FIRST FLOOR SLABS & BEAMS LAYOUT PLAN

SCHEDULE OF FLOOR BEAMS

						I		
		RE	INFORC	EMENT		RING	GS	
TYPE	SIZE	вот	ГОМ	ТС)P	@ mid span	@ supports	SIDE BARS
	3,22	STR.	CUT	STR.	CUT	e ma opan	© 24550110	
FB	200X500	2Y16		2Y16		Y8@150 mm. C/C	Y8@100 mm. C/C	
FB1	200X600	3Y16		3Y16		Y8@150 mm. C/C	Y8@100 mm. C/C	
FB2	200X600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
FB3	200X600	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
FB4	200X700	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB5	200X700	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB6	200X750	3Y20	2Y20	3Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB7	200X750	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB8	200X970	2Y16	2Y16	2Y16	2Y16	2Y8@150 mm. C/C CLOSED	2Y8@150 mm. C/C CLOSED	2Y16 /SIDE inverted
FB9	(150) 250) X600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@150 mm. C/C	SEE DETAILS
FB10	200X900	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	2Y8 /SIDE
FB11	200X550	3Y16		3Y16		Y8@150 mm. C/C	Y8@150 mm. C/C	SEE SECTION
CFB	200X750	<u> </u>	1.5 L	, I		Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
		6Y16				,-		
RB1	150X340	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
RB2	150X360	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
HB1	600X180	6Y16		6Y12		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB2	800X220	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
нвз	500X270	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB4	800X270	8Y16		8Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB5	600X300	6Y16		6Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	inverted
НВ6	1000X300	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	inverted
HB7	1500X320	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	inverted
HB8	500X340	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB9	700X340	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB10	900X340	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
HB11	1200X340	12Y16		12Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
HB12	500X360	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB13	1500X360	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	

SCHEDULE OF SLABS

		BOTTOM RFT			TOP RFT				
	THICKNESS			SHO	ORT DIR	LONG	DIR		
TYPE	(mm)	SHORT DIR	LONG DIR	MID SPAN	SUPPORT (1/4 th Span)	MID SPAN	SUPPORT (1/4 th Span)	REMARKS	
S1	150	Y12@165 mm c/c	Y12@165 mm c/c		Y12@200 mm c/c		Y12@200 mm c/c		
S2	170	Y12@165 mm c/c	Y12@165 mm c/c		Y12@165 mm c/c		Y12@165 mm c/c		
S3	200	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	mm c/c	Y12@16	5 mm c/c	T&B (DOUBLE REIN.)	
S4	220	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	Y12@165 mm c/c		5 mm c/c	T&B (DOUBLE REIN.)	
S5	250	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	i mm c/c	Y12@16	5 mm c/c	T&B (DOUBLE REIN.)	
S6	270	Y12@150 mm c/c	Y12@150 mm c/c	Y12@150) mm c/c	Y12@150 mm c/c		T&B (DOUBLE REIN.)	
SF	200	Y12@165 mm c/c	Y16@165 mm c/c	Y12@165	mm c/c	Y16@165 mm c/c		STAIRS SLAB (DOUBLE LAYER	
SL	200	Y16@165 mm c/c	Y12@165 mm c/c	Y16@165	5 mm c/c	Y12@165 mm c/c		STAIRS SLAB (DOUBLE LAYE	



STRUCTURAL NOTES

ARCHITECTURAL DRAWINGS.

FOLLOWED.

1/5 OF THE SPAN.

ADJACENT SPAN.

SHALL BE :

100 CMS.

1. DO NOT SCALE THE DRAWING , WRITTEN DIMENTION TO BE

3. IN SIMPLE SPANS OF SLABS AND BEAMS OF STEEL IS BENT AT

4. IN CONTINUOUS SPAN OF SLABS AND BEAM, STEEL IS BENT AT 1/5 OF THE SPAN AND MUST BE EXTENDED TO 1/4 OF THE

6. THE STEEL OF THE CANTILEVER MUST BE EXTENDED 1.5 TIMES

25 MM

25 MM

FOOTINGS 50 MM ON SIDE & 70 MM AT BOTTOM.

5. FOR BEAMS WITHOUT BENT BARS, THE UPPER STEEL MUST

BE EXTENDED TO 1/4 OF THE ADJACENT SPANS.

WALLS & STAIRS 25 MM

WITH THE AXES OF ARCHITECTURAL DRAWING. 10. FOUNDATION DEPTH AND EXCAVATED GROUND IS TO BE CHECKED BY ENGINEER IN-CHARGE BEFORE CASTING

8. OVER LAPPING OF STEEL SHOULD NOT BE LESS THAN 60 D IN TENSION AND 45 D IN COMPRESSION AND NOT LESS THAN

9. THE CONTRACTOR MUST CHECK THE AXES OF THE COLUMNS

FOOTING. ALL FOOTING SHALL BE SUPPORTED OVER PROPERLY COMPACTED SOIL OF BEARING CAPACITY

PLACED IN LAYERS NOT EXEEDING DEPTH OF 150mm.& CONSOLIDATED BY VIBRATION TO ENGINEERS 12. UNLESS INDICATED OTHERWISE ALL FOOTINGS & COLUMNS SHALL BE ALIGNED CONCENTRIC IN BOTH

13. UNLESS OTHERWISE SPECIFIED - CONCRETE SHALL BE

FOR WATER TANK COLUMNS - 35N/MM

FOR PLAIN CONCRETE - 15N/MM " "

FOR GENERAL REINFORCED - 35N/MM² (28 DAYS CUBE

LOWER THAN GRADE 35N/MM SHALL NOT BE USED IN

14. STEEL GRADE FOR GENERAL CONCRETE IS 460N/MM2

15. ALL CONCRETE FOR STRUCTURES BELOW GROUND & IN WITH SOIL SHALL BE MADE USING SULPHATE RESISTING

16. SAFE BEARING CAPACITY OF SOIL IS TAKEN AS (2) KG/CM. 2 17. MINIMUM YEILD STEEL REINFORCEMENT WILL BE 4600KG/CM 18. FOUNDATION DEPTH SHOULD NOT BE LESS THAN 1.50M.

19. ALL FOOTINS TO HAVE BASE OF P.C.C 1:2:4 AND

POLYTHENE BOTH 10 C.M PLUS ON ALL SIDE

BEARING WALLS SHALL BE 25KGS/CM2

CEMENT AND EXPOSED SURFACES SHALL BE BITUMEN .

20. BLOCKS FOR LOAD BEARING WALLS SHALL BE OF A MINIMUM

CRUSHING STRENGTH OF 50KGS/CM2 AND FOR NONLOAD

TERMITE CHEMICAL EMULSION AS PER THE RATE SPECIFIED BY THE MANUFACTURES WITH A MINIMUM GUARANTY OF 10 YEARS 22. THE FOUNDATION IS DESIGNED UPTO CARRY THREE FLOOR ONLY

21. THE BACK FILLING BELLOW FLOOR CONCRETE AND SOIL ALONG EXTERNAL WALL SHALL BE TREATED WITH ANTI-

STRENGTH)

(OIL BASED)

11. BACK FILLING OF FOUNDATION SHALL BE UNIFORMLY

OF THE CANTILEVER BEHIND THE SUPPORT. 7. CLEAR CONCRETE COVER TO MAIN REINFORCEMENT

BEAMS

20 TONS PER SQ.METRE.

OF FOLLOWING GRADE:

RETAINING WALLS.

REINFORCED CONCRETE.

FROM NATURAL GROUND LEVEL.

CONCRETE.

BLINDING.

DIRECTION AND SYMMETRICAL.

COLUMNS

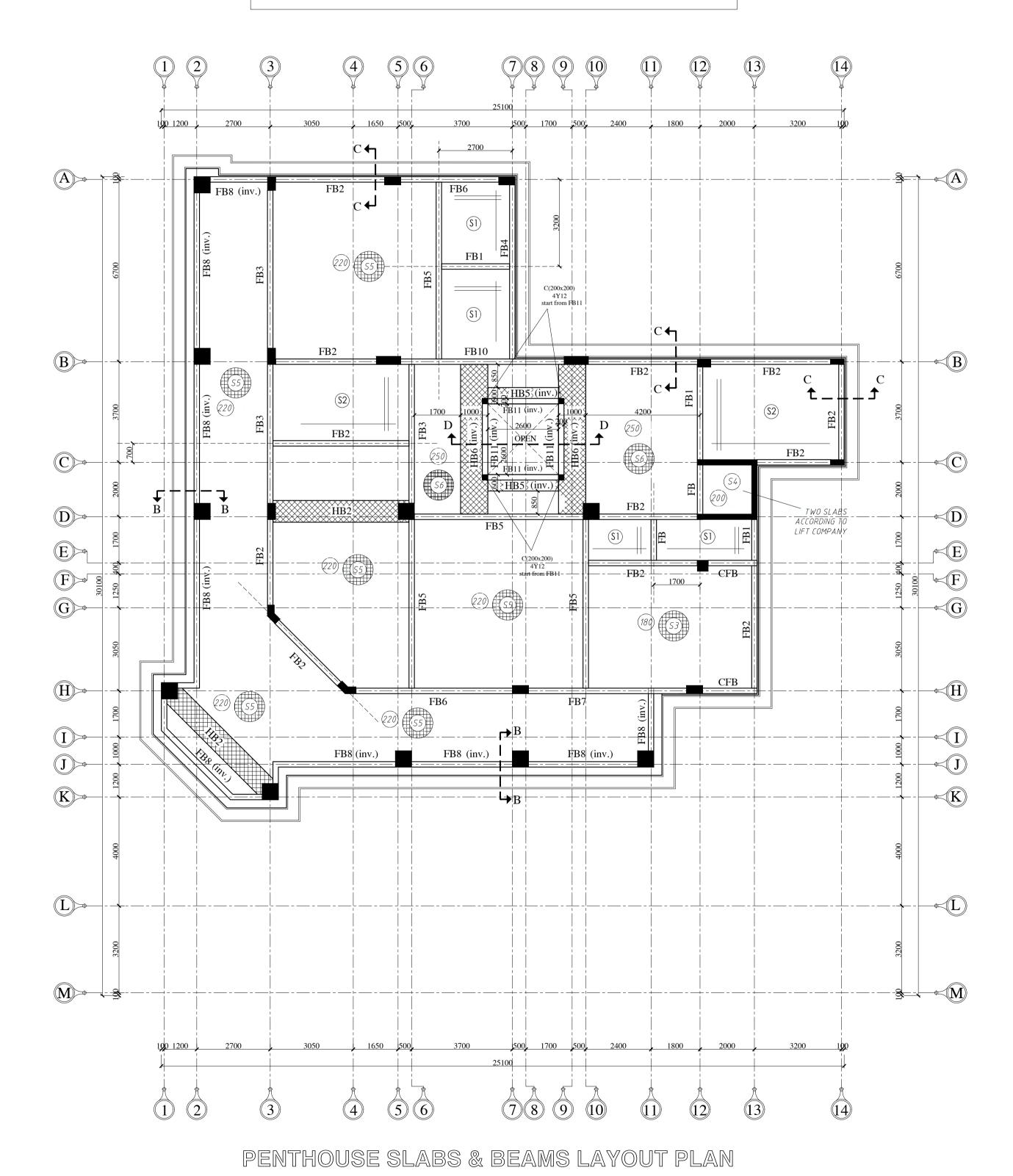
2. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH

TEL. 23296574, FAX 23296574

PROPOSED BUILDING

LOCATIO) NC	NORTH SAHALNOOT صحلنوت الشمالية	PLOT No. 63 BLK. No. B		رقم القطعة رقم المربع			
No.OF FL	OORS	GROUND+FIRST+PH.	GROUND+FIRST+PH. LAND USE RESIDENTIAL					
CLIENT		ALI BIN FENKH <i>A</i> اري	AR BIN ALI ALS خار بن علي الشنة					
DRG. TI	TLE	FIRST FLOOR SL	ABS & BEAMS	LAYOUT PL	_AN			
DRAWI	N BY	ENG.MOHAMED NASHAAT						
DESIG	N BY	ENG.MOHAMED NASHAAT						
CHECK	ED BY	ENG.MUSALLAM	TABOOK					
PROJECT	No.	1248/NOV./2020	SHEET No.	ST-	·04			
DATE		13/12/2020	SCALE	1:1	.00			
	AL	L DIMENSION ARE	MILLIMETERS					

FOR SECTIONS & DETAILS SEE SHEET NO. (ST-06)



SCHEDULE OF FL

		RE	INFORC	EMENT		RING	GS	
TYPE	SIZE	вот	ГОМ	тс)P	. @ mid span	@ supports	SIDE BARS
		STR.	CUT	STR.	CUT			
FB	200X500	2Y16		2Y16		Y8@150 mm. C/C	Y8@100 mm. C/C	
FB1	200X600	3Y16		3Y16		Y8@150 mm. C/C	Y8@100 mm. C/C	
FB2	200X600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
FB3	200X600	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
FB4	200X700	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB5	200X700	3Y16	2Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB6	200X750	3Y20	2Y20	3Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB7	200X750	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
FB8	200X970	2Y16	2Y16	2Y16	2Y16	2Y8@150 mm. C/C CLOSED	2Y8@150 mm. C/C CLOSED	2Y16 /SIDE inverted
FB9	(150) 250) X600	2Y16	2Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@150 mm. C/C	SEE DETAILS
FB10	200X900	4Y20	2Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	2Y8 /SIDE
FB11	200X550	3Y16		3Y16		Y8@150 mm. C/C	Y8@150 mm. C/C	SEE SECTION
CFB	200X750	6Y16	1.5 L	, I		Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
RB1	150X340	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
RB2	150X360	2Y16		2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
HB1	600X180	6Y16		6Y12		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB2	800X220	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
НВ3	500X270	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
НВ4	800X270	8Y16		8Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB5	600X300	6Y16		6Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	inverted
HB6	1000X300	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	inverted
HB7	1500X320	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	inverted
HB8	500X340	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB9	700X340	7Y16		7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB10	900X340	9Y16		9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
HB11	1200X340	12Y16		12Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
HB12	500X360	5Y16		5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
HB13	1500X360	13Y16		13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	

SCHEDULE OF SLABS

		BOTTOM RFT			TOP RFT					
	THICKNESS			SHC	ORT DIR	LONG	DIR			
TYPE	(mm)	SHORT DIR	LONG DIR	MID SPAN	SUPPORT (1/4 th Span)	MID SPAN	SUPPORT (1/4 th Span)	REMARKS		
S1	150	Y12@165 mm c/c	Y12@165 mm c/c		Y12@200 mm c/c		Y12@200 mm c/c			
S2	170	Y12@165 mm c/c	Y12@165 mm c/c		Y12@165 mm c/c		Y12@165 mm c/c			
S3	200	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	5 mm c/c	Y12@165	5 mm c/c	T&B (DOUBLE REIN.)		
S4	220	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	Y12@165 mm c/c		5 mm c/c	T&B (DOUBLE REIN.)		
S5	250	Y12@165 mm c/c	Y12@165 mm c/c	Y12@165	5 mm c/c	Y12@165	5 mm c/c	T&B (DOUBLE REIN.)		
S6	270	Y12@150 mm c/c	Y12@150 mm c/c	Y12@150) mm c/c	Y12@150 mm c/c		T&B (DOUBLE REIN.)		
SF	200	Y12@165 mm c/c	Y16@165 mm c/c	Y12@165	2@165 mm c/c Y16@165 mm c/c		STAIRS SLAB (DOUBLE LAYER			
SL	200	Y16@165 mm c/c	Y12@165 mm c/c	Y16@165 mm c/c		Y12@165 mm c/c		STAIRS SLAB (DOUBLE LAYE		

FL	OOF	R BE	AMS		
ORC	EMENT		RIN	gs	
1	TC		e mid span	@ supports	SIDE BARS
:UT 	STR. 2Y16	CUT	Y8@150 mm. C/C	Y8@100 mm. C/C	
	3Y16		Y8@150 mm. C/C	Y8@100 mm. C/C	
Y16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
Y16	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	
Y 16	2Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
1 6	3Y16	2Y16	Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
Y20	3Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
Y20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
Y16	2Y16	2Y16	2Y8@150 mm. C/C CLOSED	2Y8@150 mm. C/C CLOSED	2Y16 /SIDE inverted
1 16	2Y16	2Y16	Y8@150 mm. C/C	Y8@150 mm. C/C	SEE DETAILS
/20	4Y20	2Y20	Y8@130 mm. C/C	Y8@100 mm. C/C	2Y8 /SIDE
	3Y16		Y8@150 mm. C/C	Y8@150 mm. C/C	SEE SECTION
.5 L			Y8@150 mm. C/C	Y8@100 mm. C/C	1Y8 /SIDE
	2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
	2Y12		Y8@150 mm. C/C	Y8@100 mm. C/C	
	6Y12		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	8Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	6Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	inverted
	9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	inverted
	13Y16		4*Y8@150 mmC/C	4*Y8@150 mmC/C	inverted
	5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	7Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	
	9Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
	12Y16		3*Y8@150 mmC/C	3*Y8@150 mmC/C	
	5Y16		2*Y8@150 mmC/C	2*Y8@150 mmC/C	



STRUCTURAL NOTES

PROPOSED BUILDING

LOCATION		NORTH SAHALNOOT صحلنوت الشمالية	PLOT No. 63 BLK. No. B	, ,			
No.OF FL	OORS	GROUND+FIRST+PH.	LAND USE	RESIDENTIAL سکني			
CLIENT		ALI BIN FENKH <i>A</i> اري	AR BIN ALI ALS خار بن علي الشنف				
DRG. TI	TLE	PENTHOUSE SLA	PENTHOUSE SLABS & BEAMS LAYOUT PLAN				
DRAWI	N BY	ENG.MOHAMED NASHAAT					
DESIG	N BY	ENG.MOHAMED NASHAAT					
CHECKED BY PROJECT No. DATE		ENG.MUSALLAM	TABOOK				
		ROJECT No. 1248/NOV./2020		ST-05			
		E 13/12/2020		1:100			
	Al	L DIMENSION ARE	MILLIMETERS				

