

NAME PROJECT:

PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD

STRUCTURAL DRAWINGS

FIRM NAME & ADDRESS:



PLANNING - TESTING - DESIGNING & DEVELOPMENT

FLAT NO.205 & 206 2nd Floor, Afzal Tower Phase 3,

Main Intersection, Peshawar

Ph: +92-333-912-6118, +92-334-843-5340

E.mail: gsk.engineerz@gmail.com

GENERAL NOTES

1. BUILDING DESCRIPTION & DESIGN

- a. BUILDING IS DESIGNED FOR BASEMENT + GROUND + 03 STOREY. DESIGNED AS FRAME STRUCTURE FOR ZONE -2B.
- b- DESIGN OF STRUCTURE IS BASED ON PAKSTAN BUILDING CODE (S.P- 2007) , ACI 318-2005 AND UBC 97.
- c- BEARING CAPACITY OF SOIL IS TAKEN AS 1.20 TSF.

2. BUILDING LAYOUT

- a. BUILDING LAYOUT BE DONE WRT TO STRUCTURAL DRAWINGS AND ARCH DRAWINGS
- b. ANY DIFFERENCE BE DISCUSSED WITH STR. DESIGNER.

3. EXCAVATION AND TERMITES TREATMENT

- a. FOUNDATIONS TO BE PLACED ON WELL COMPACTED SOIL AS PER GEO TECHNIC RECOMMENDATIONS.
- b. IN CASE OF FILL / OVERBURDEN REMOVE IT.
- c. ALL FOUNDATIONS ARE SHOULD BE AT ONE LEVEL EXCEPT MENTIONED.
- d. PROVIDE TERMITES TREATMENT IN FOUNDATIONS AND IN FLOOR BEFORE LAYING PCC.

4. W:C:S: AGGREGATES AND SIZES

FRESH WATER: IN ACCORDANCE OF UBC 97 SECTION 1903.4
CEMENT: FRESH PORTLAND CEMENT TO BE USED FOR ALL WORKS.
SAND : LAWRAKCEPUR / GHUZI.
AGGREGATES:IN ACCORDANCE OF UBC 97 SECTION 1903.3
MARGALLA STONE CRUSHED AGGREGATES SHALL BE AS:

STRUCTURAL ELEMENTS	MAXIMUM AGGREGATE SIZE
FOUNDATIONS	1.25 " DOWN GRADED
COLUMNS & BEAMS	3/4 DOWN GRADED
SLABS	3/4" DOWN GRADED

3/4" DOWN GRADED MEANS 1/2" AND 3/8" MIX

5 REINFORCING STEEL

- a. DESIGN OF STRUCTURE IS BASED ON STEEL DEFORMED MAIN STEEL FOR ASTM A 615
- FOUNDATION, COLUMNS, BEAMS, SLABS
- GRADE - 60
- GRADE - 60

6 CONC. MIXING & PLACING

- a. CONCRETE BE WELL MIXED, VIBRATED, COMPACTED , CURED, TESTED AND RECORD TO BE MAINTAINED AS PER ACI 318 AND UBC 1997 CHAPTER 19
- b. MIXED CONCRETE BE PLACED IN POSITION WITHIN 15 MINUTES
- c. MAIN WATER IN CONC. GIVES MORE STRENGTH.
- d. TRY 5 TO 6 GALLONS OF WATER / BAG OF CEMENT
- e. MIXING TIME OF CONCRETE PER BATCH 1.5 MINUTES AFTER ADDING WATER.

7. MINIMUM CONCRETE STRENGTHS

- a. CONCRETE BE TESTED AT IMPORTANT PLACES & STRENGTH BE AS FOUND. WALLS, BEAMS, SLAB 3000 PSI 28 DAYS CYLINDER STRENGTH
- COLUMNS 4000 PSI 28 DAYS CYLINDER STRENGTH

8. FORM WORK & REMOVAL

- a. FORMWORK TO CONCRETE SHALL BE OF METAL SHEETS OR PLY WOOD.
- b. THE FORMWORK BE DONE AS PER STRUCTURAL FORMS
- c. FORMWORK BE WATER TIGHT.
- d. FORMWORK BE REMOVED AS PER FOLLOWING SCHEDULE
- COLUMNS & SIDE OF BEAMS & WALLS 24 HOURS
- SLAB, BOTTOM OF BEAMS 14 DAYS.

9. JOINTS

- a. EXPANSION JOINTS BE FINALIZED AND GOT APPROVED BY THE RESIDENT ENGINEER.
- b. EXPANSION JOINT IN THE BUILDING BE PROVIDED AS SHOWN ON THE DRAWS.

10. STEEL BINDING

- a. STEEL BARS BE PLACED IN THE FORM AS PER DRAWINGS.
- b. ALL JUNCTION OF THE BARS / CROSS BE TIED WITH BINDING WIRE.

11. DRAIN PIPES & SLEEVES

- a. TOILET WASHING & DRAIN PIPES BE PLACED IN SLAB AT PROPER DESIGNED POSITON BEFORE CONCRETE.
- b. WHERE PLUMBING AND OTHER PIPES ARE PLACES IN SLAB ADDITIONAL STEEL BARS BE PROVIDED ABOVE AND BELOW TO COVER THE REDUCED STRENGTH.

12. BRICK , CONC BLOCK MASONRY

- a. FIRST CLASS BRICKS BE USED FOR MASONRY WORK.
- b. BRICKS BE SOACKED IN WATER A DAY BEFORE USE.
- c. CONCRETE BLOCKS BE MOISED JUST BEFORE USE.
- d. JOINTS BE 3/8" FILLED WITH CEMENT SAND MORTAR.
- e. ALL MORTAR BE MACHINE MIXED.
- f. MORTAR FOR WALLS 8" , 9" SHALL BE 1:5
- FOR 4" & 4.5" SHALL BE 1:4
- g. ALL INTERNAL PARTITIONS 4.5" BRICKS / 6" HOLLOW BLOCKS / WOODEN PARTITION OUTER 8" HOLLOW / 9" BRICKS OR 12" CAVITY WALLS.
- h. ALL ABOVE ITEM TO BE EXECUTED ,TESTED AND MAINTAINED IN ACCORDANCE OF UBC 1997 CODE STANDARD CHAPTER 21.

13. STEEL BAR SPACING

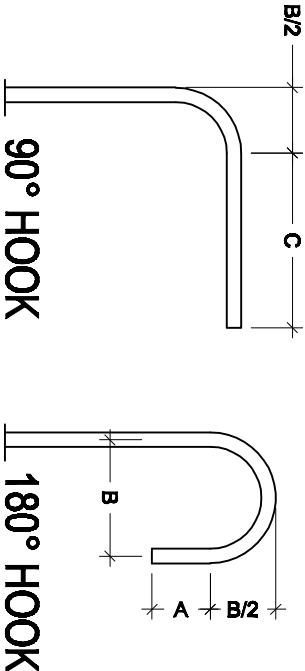
- a. FIRST & LAST BAR IN WALLS & SLAB BE PLACED AT 1/2 OF THE SPACING OF BARS. OR JUST GIVE COVER AND PLACE THE BAR
- b. FIRST AND THE LAST HOOP/TIE IN BEAMS & COLUMNS BE BE PLACED AT 2" FROM THE SUPPORT.
- c. COLUMN TIES TO BE PROVIDED THROUGHOUT FROM FOUNDATION TO TOP.

14. ACCESSORIES

- a. BAR SUPPORTS , SPACERS & AND OTHER ACCESSORIES ARE NOT SHOWN IN DRAWINGS.
- b. THE BAR SUPPORTS BE PROVIDES AS APPROVED BY ENGINEER
- c. SUPPORTS TO BARS BE SUFFICIENT & STRONG SUCH THAT THE STEEL REMAIN IN POSITION DURING CONCRETING.

MINIMUM CLEAR COVER		
S.No	LOCATION	MINIMUM COVER
1.	FOOTING	2" down PCC and 3" on other sides
2.	COLUMN	1 1/2"
3.	SLAB	3/4"
4.	BEAM/ JUNCTION BEAM	1 1/2"
5.	CORNERING ELEMENT/INTL. BEAM	1"

STANDARD HOOKS (AS 17.9)			
BAR DIA	A(in)	B(in)	C(in)
3/8"	2.5	2.5	4.5
1/2"	2.5	3.0	6.0
5/8"	2.5	4.0	7.5
3/4"	3.0	4.5	9
1"	4.0	6.0	12



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Z.A	DRAFTER:
T.Z.R	

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JUNE, 2021	DRAWING NO:
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DEVELOPMENT LENGTH IN TENSION (ACI 21.5.4.1)

BAR DIA	DEVELOPMENT LENGTH (INCHES)	
	$f_c' = 4,000 \text{ psi}$	$f_y = 60,000 \text{ psi}$
STRAIGHT BARS	WITH STANDARD HOOK	
3/8"	18	7.5
1/2"	24	9.5
3/4"	30	14.5
1"	48	19

DEVELOPMENT LENGTH IN TENSION (ACI 21.5.4.1)

BAR DIA	DEVELOPMENT LENGTH (INCHES)	
	$f_c' = 3,000 \text{ psi}$	$f_y = 60,000 \text{ psi}$
STRAIGHT BARS	WITH STANDARD HOOK	
1/2"	22	11"
5/8"	30	14"
3/4"	34	17"
1"	55	22"

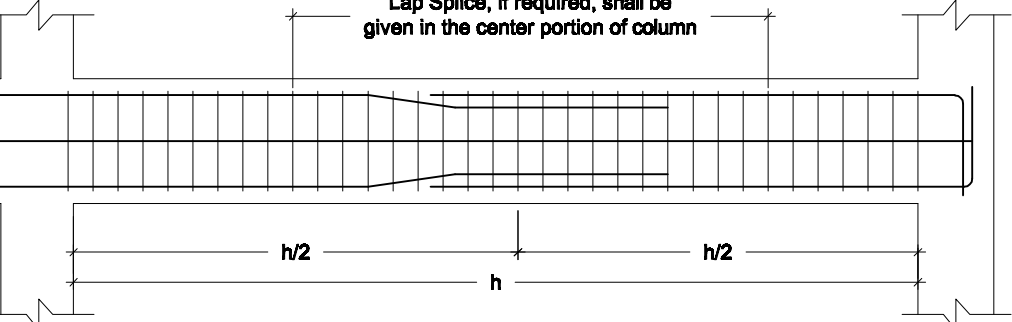
SPLICE LENGTH (ACI 21.3.2.4, Class B Splice)

BAR DIA	MINIMUM SPLICE LAP LENGTH (INCHES)	
	$f_c' = 3,000 \text{ psi}$	$f_y = 40,000 \text{ psi}$
TENSION	COMPRESSION	
3/8"	15	-
1/2"	20	9
3/4"	30	15
1"	48	18

SPLICE LENGTH (ACI 21.3.2.4, Class B Splice)

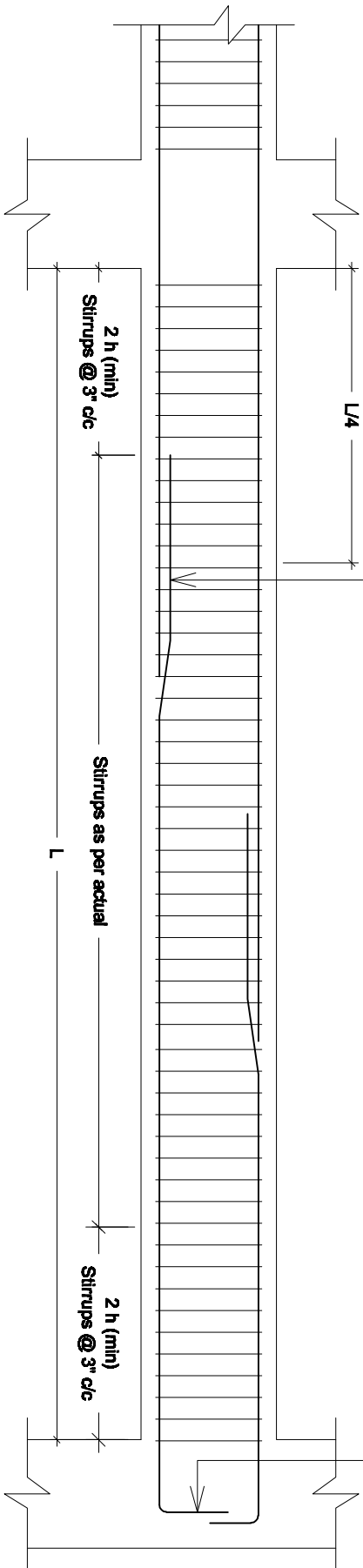
BAR DIA	MINIMUM SPLICE LAP LENGTH (INCHES)	
	$f_c' = 3,000 \text{ psi}$	$f_y = 60,000 \text{ psi}$
SLAB	BEAM / COLUMN	
1/2"	25	35
5/8"	-	44
3/4"	-	55
1"	-	70

Lap Splice, if required, shall be given in the center portion of column

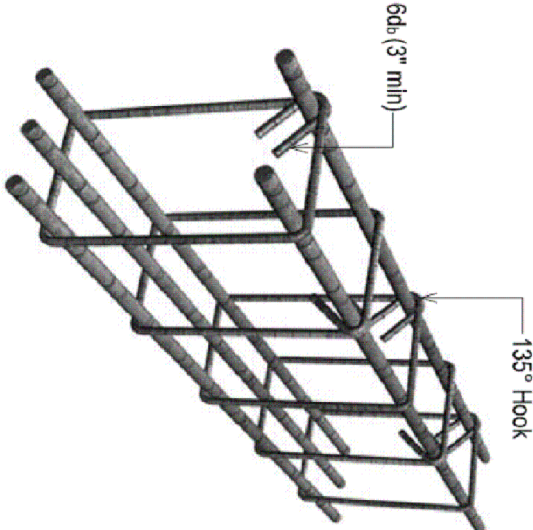


TYPICAL COLUMN DETAIL

Lap in this location, if required, spacing of stirrup within lap length 3" c/c.



TYPICAL BEAM DETAIL



SEISMIC HOOK DETAILS

NOTE: THE STRUCTURAL DRAWINGS WILL BE FOLLOWED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS ARE PRIMARY DRAWINGS AND STRUCTURAL DRAWINGS SHOULD BE CONSIDERED AS SECONDARY DRAWINGS. IN CASE OF ANY DIFFERENCES DESIGNER MUST BE CONTACTED.

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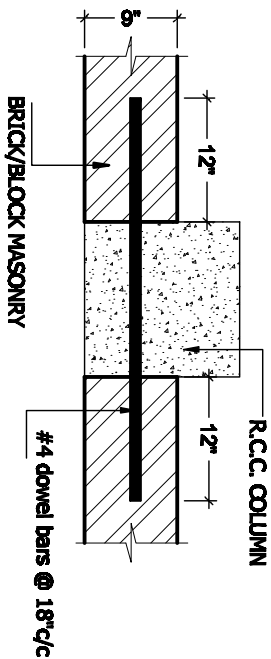
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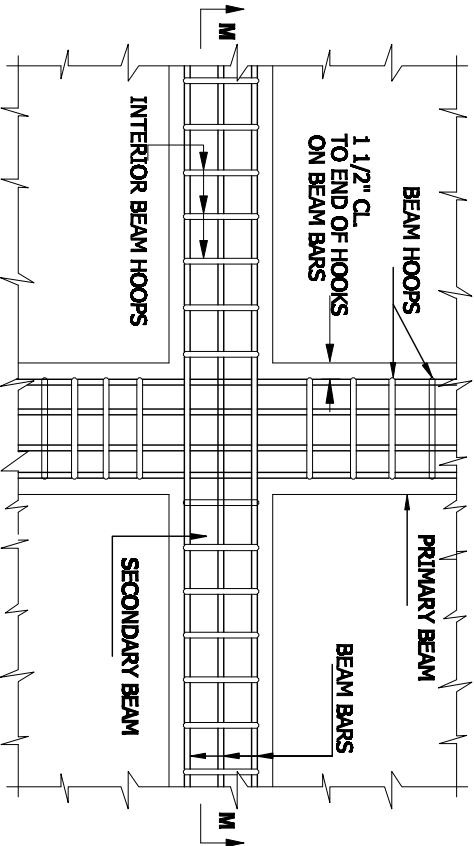
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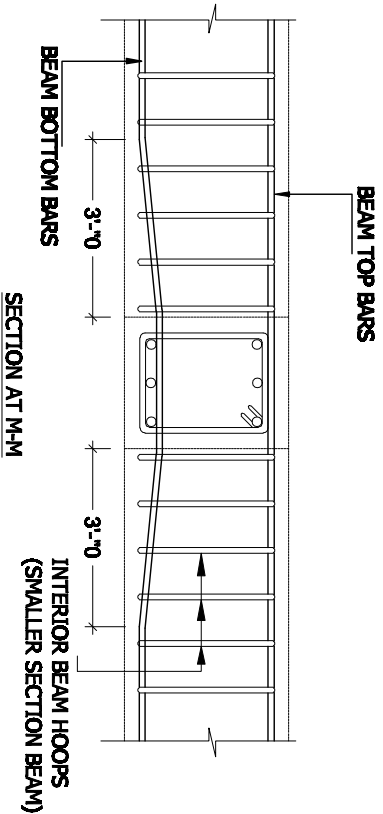
GENERAL DETAILS



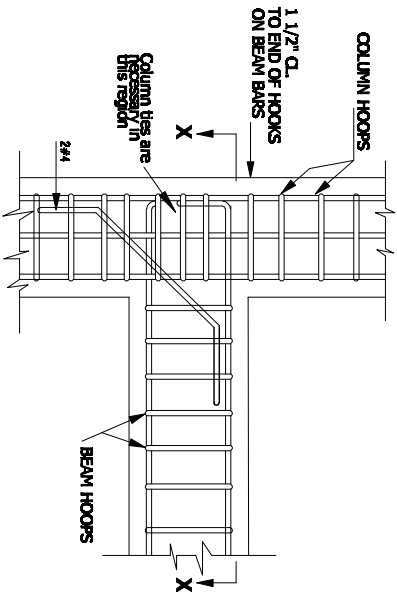
DETAIL OF COLUMN WALL TIE



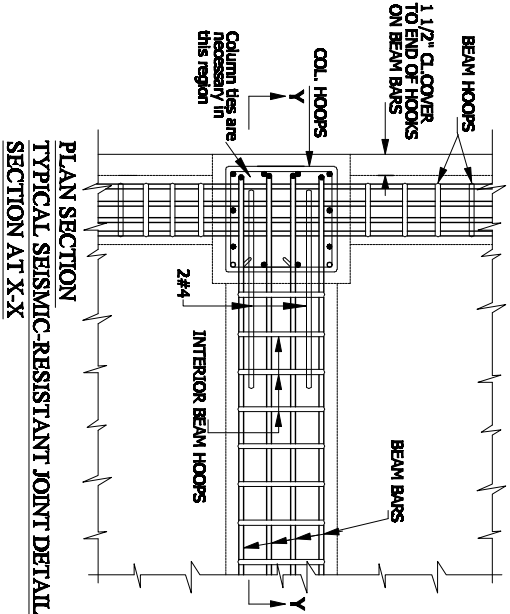
PLAN OF BEAM TO BEAM DETAIL



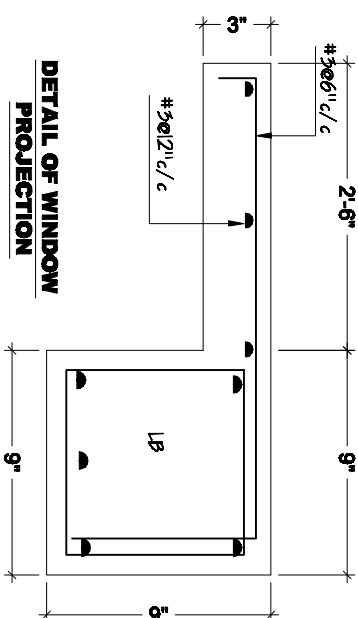
SECTION AT M-M



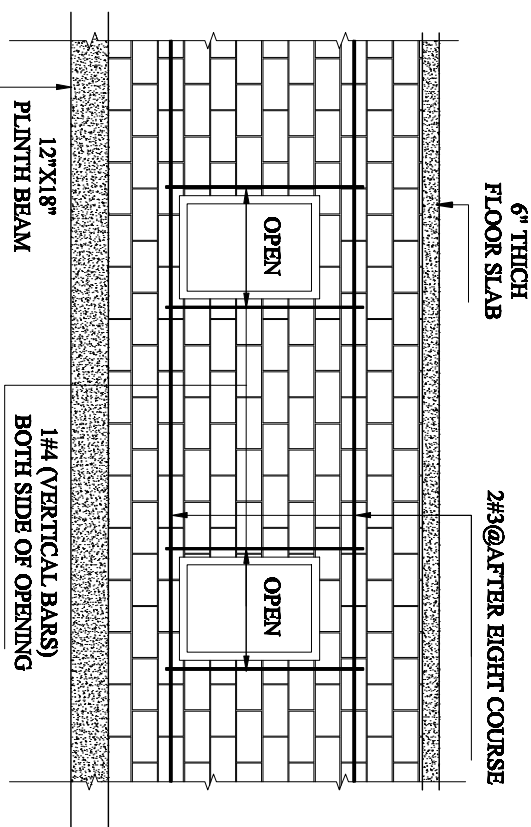
COLUMN AND BEAM JOINT FOR SEISMIC FORCE CONTROL, SECTION AT Y-Y



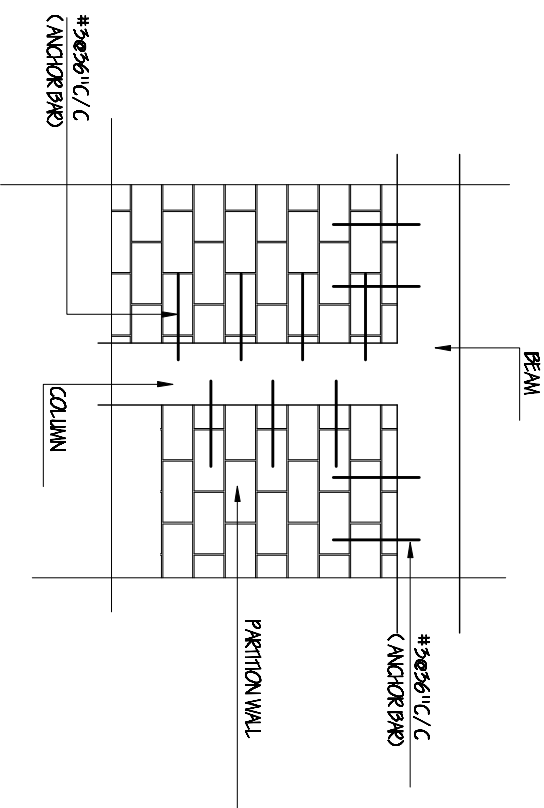
PLAN SECTION
TYPICAL SEISMIC-RESISTANT JOINT DETAILS
SECTION AT X-X



DETAIL OF WINDOW
PROJECTION



SECTIONAL ELEVATION OF WALL



TYP. DETAIL OF CONNECTION OF
PARTITION WALL WITH BEAM
& COLUMN FOR SEISMIC LOADING

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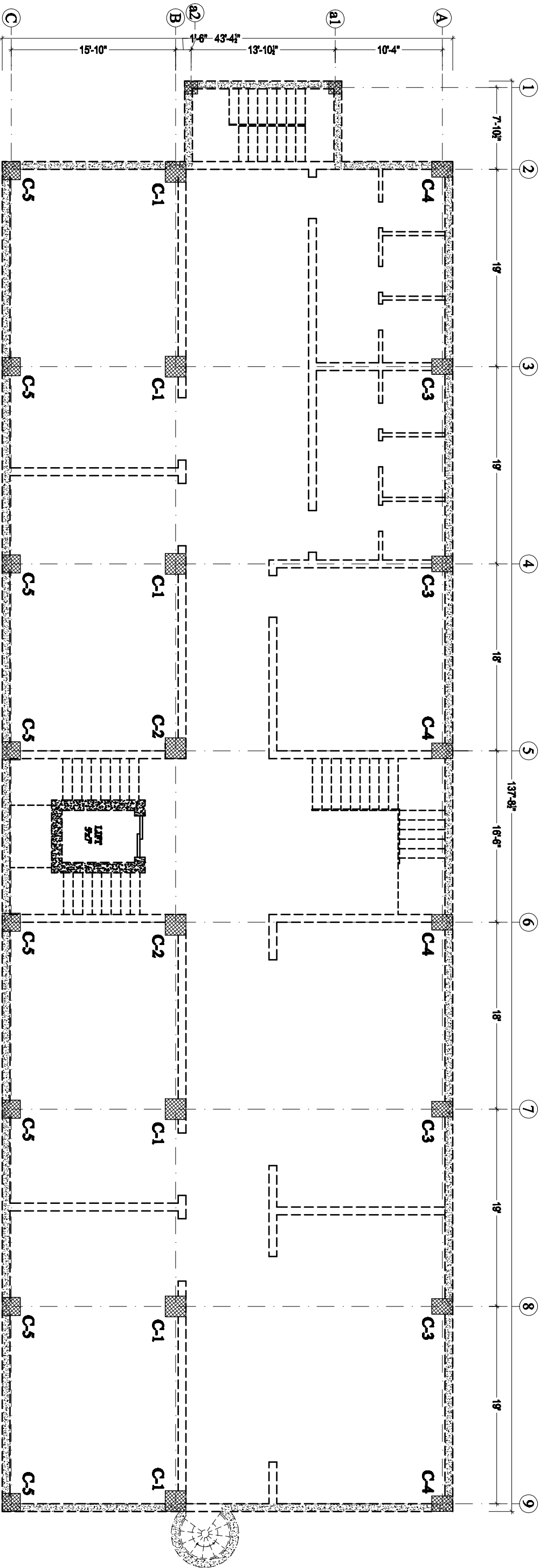
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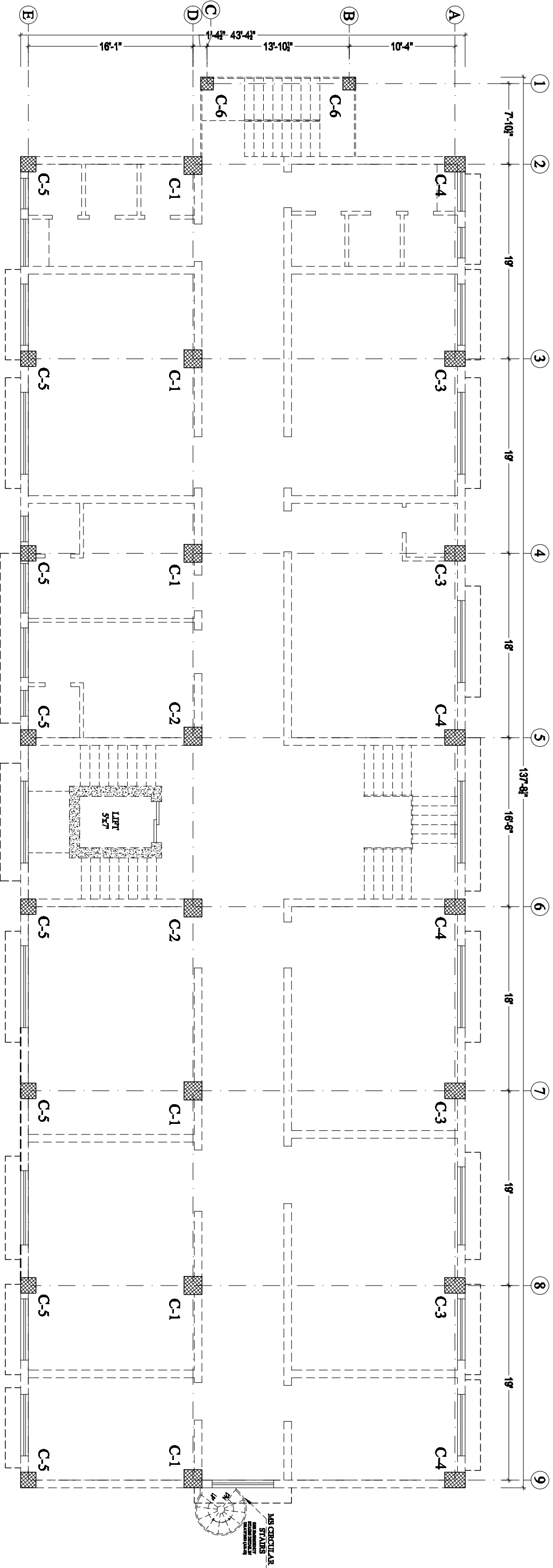
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**BASMENT FLOOR
COLUMNS KEY PLAN**

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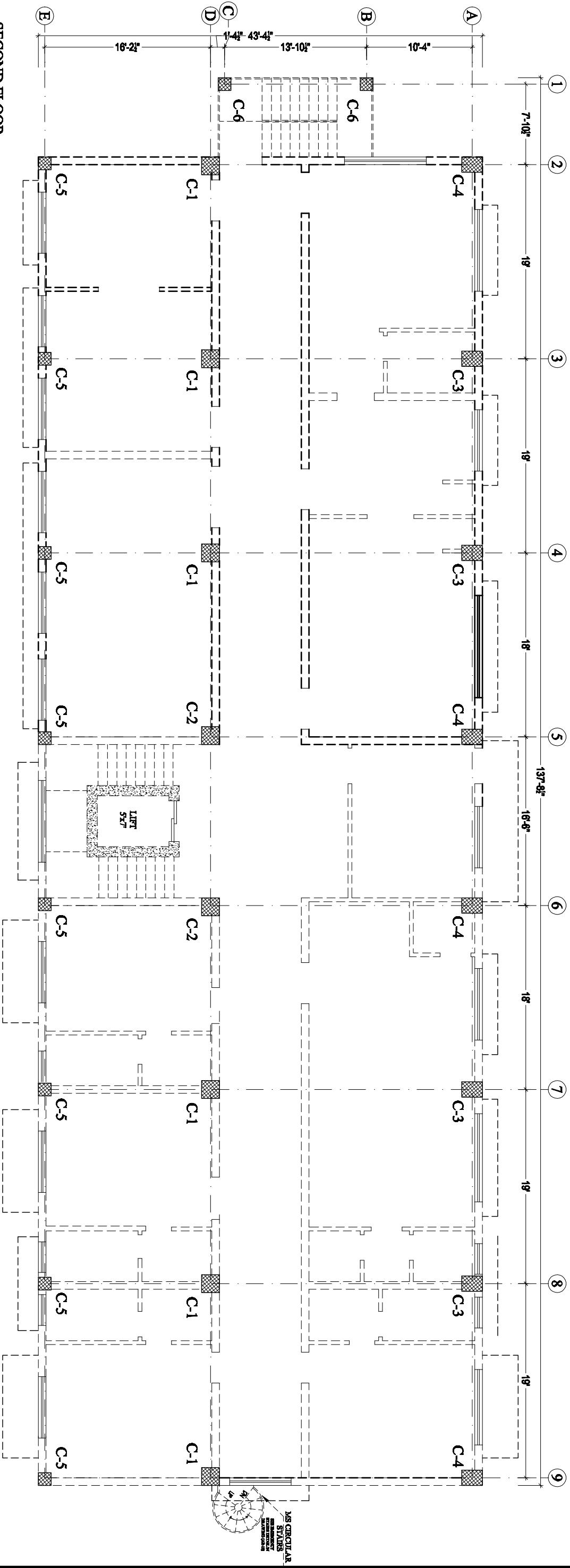
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FIRST FLOOR
COLUMNS KEY PLAN

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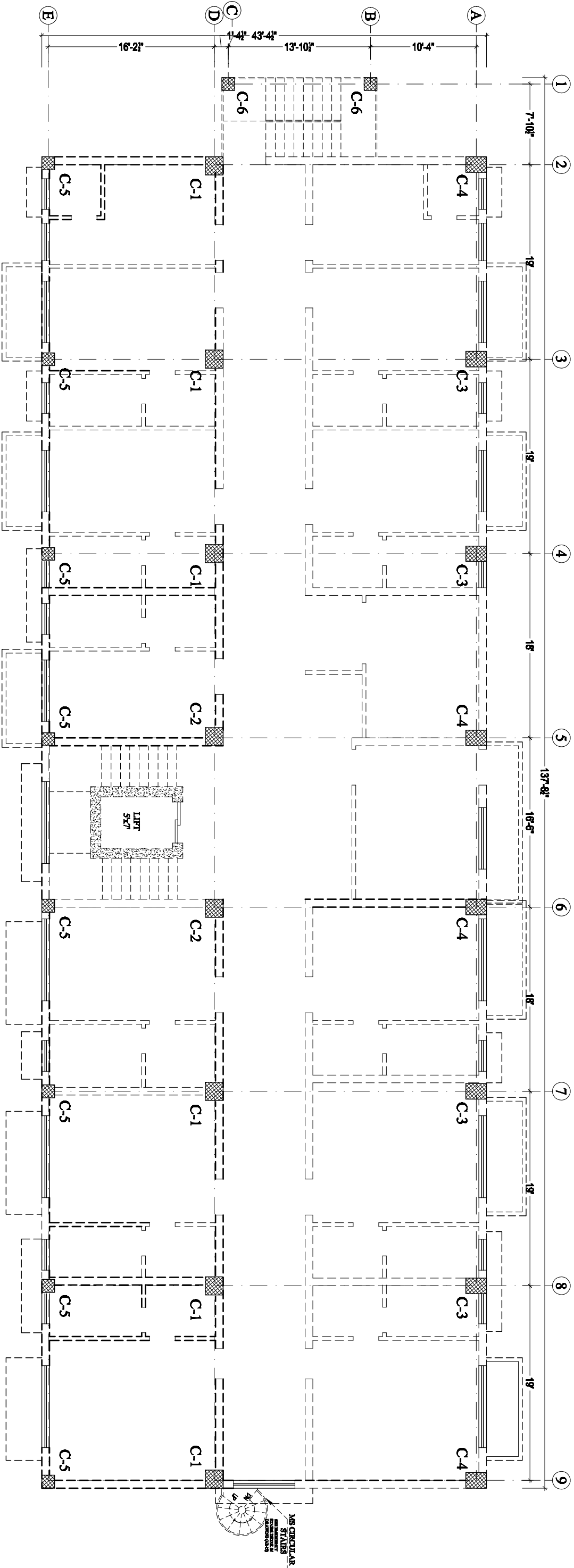
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SECOND FLOOR
COLUMNS KEY PLAN

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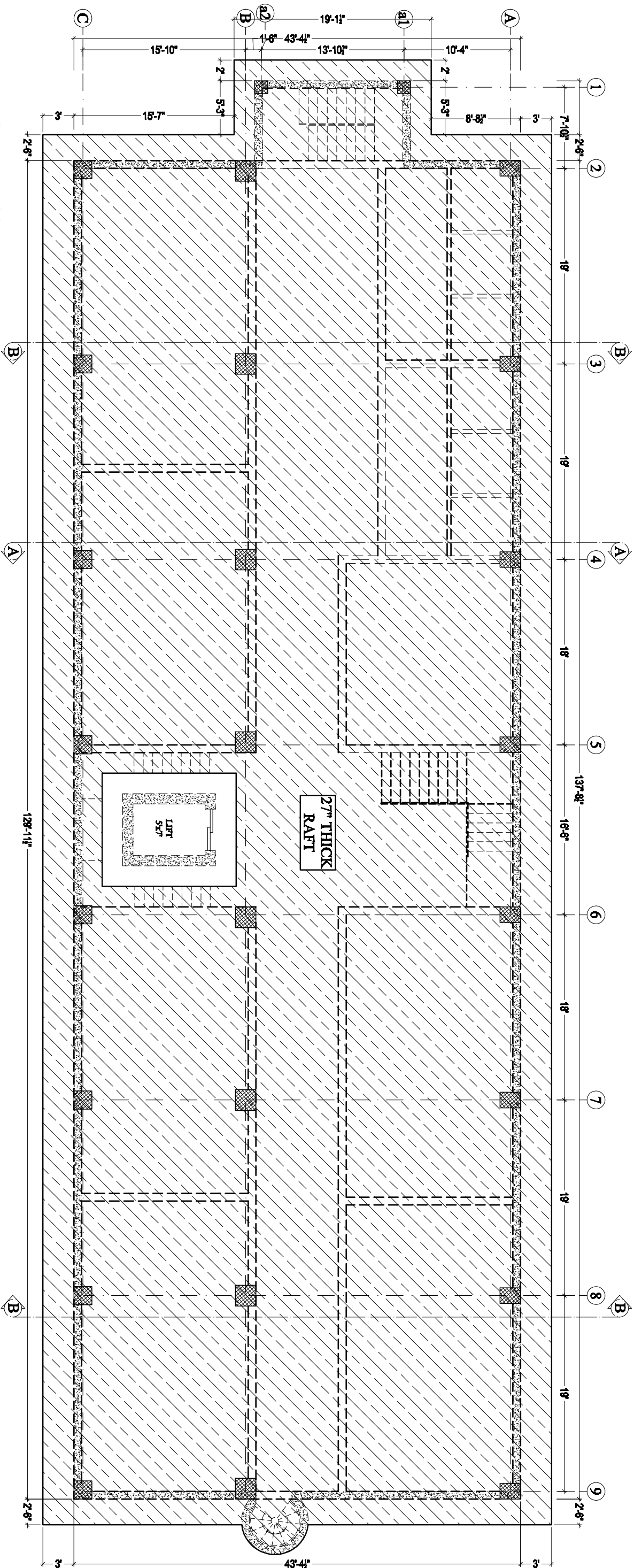
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THIRD FLOOR
COLUMNS KEY PLAN

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BASEMENT FLOOR PLAN
EXCAVATION & FOUNDATION LAYOUT

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**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

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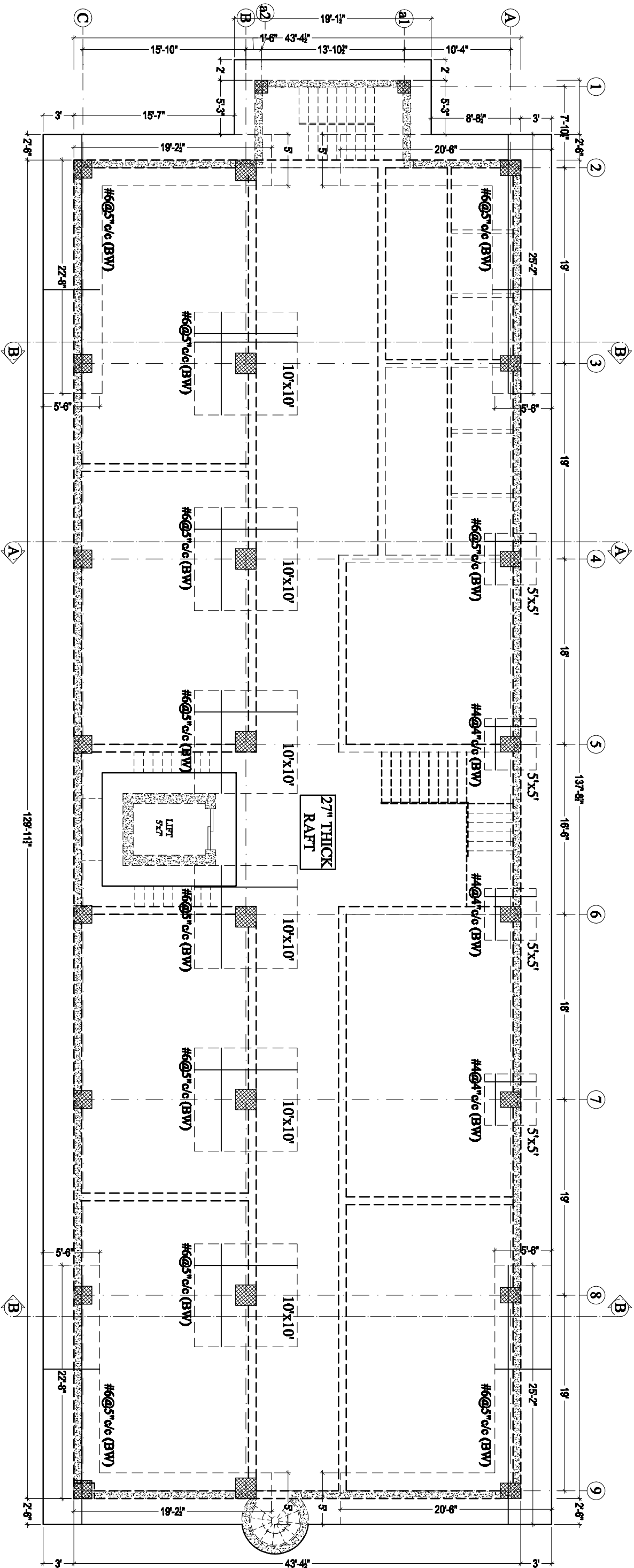
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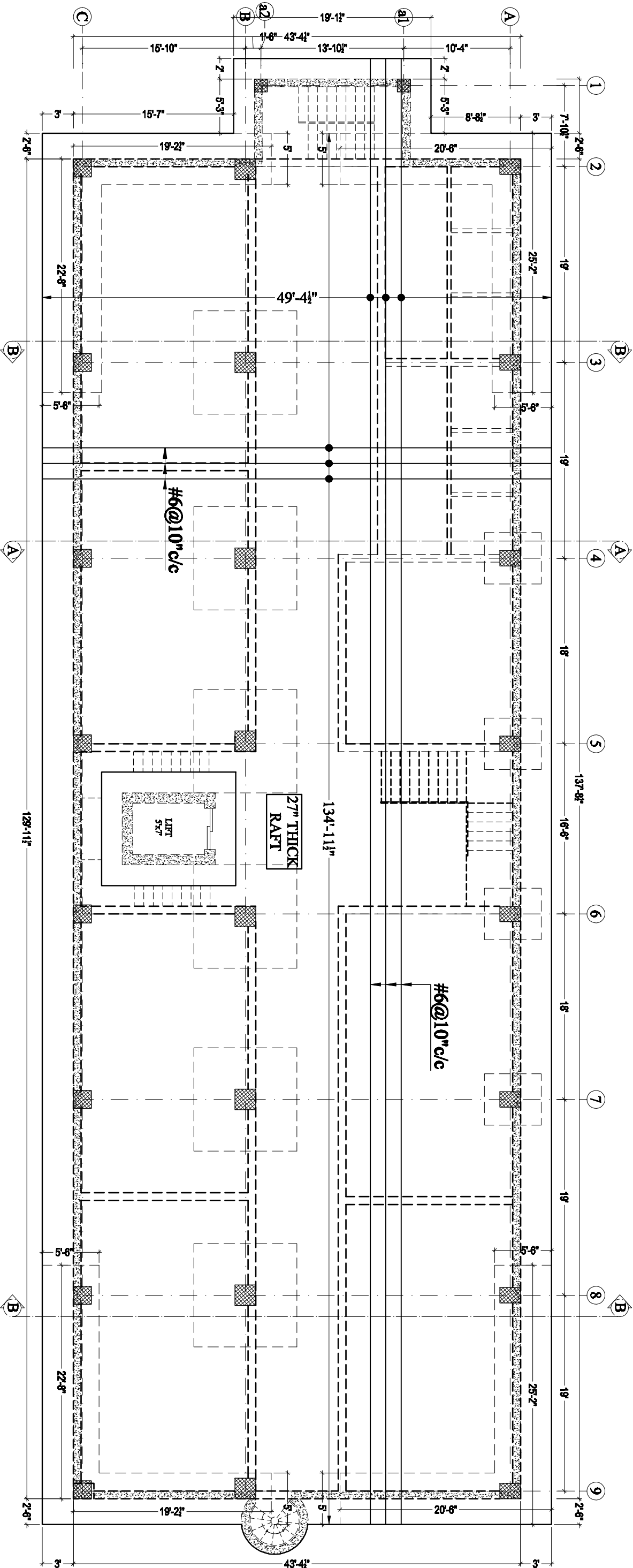
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BASEMENT FLOOR PLAN
FOUNDATION ADDITIONAL BOTTOM BARS DETAIL

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PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK-ANF-07		JUNE, 2021		1.		
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BASEMENT FLOOR PLAN
FOUNDATION BOTTOM BARS DETAIL

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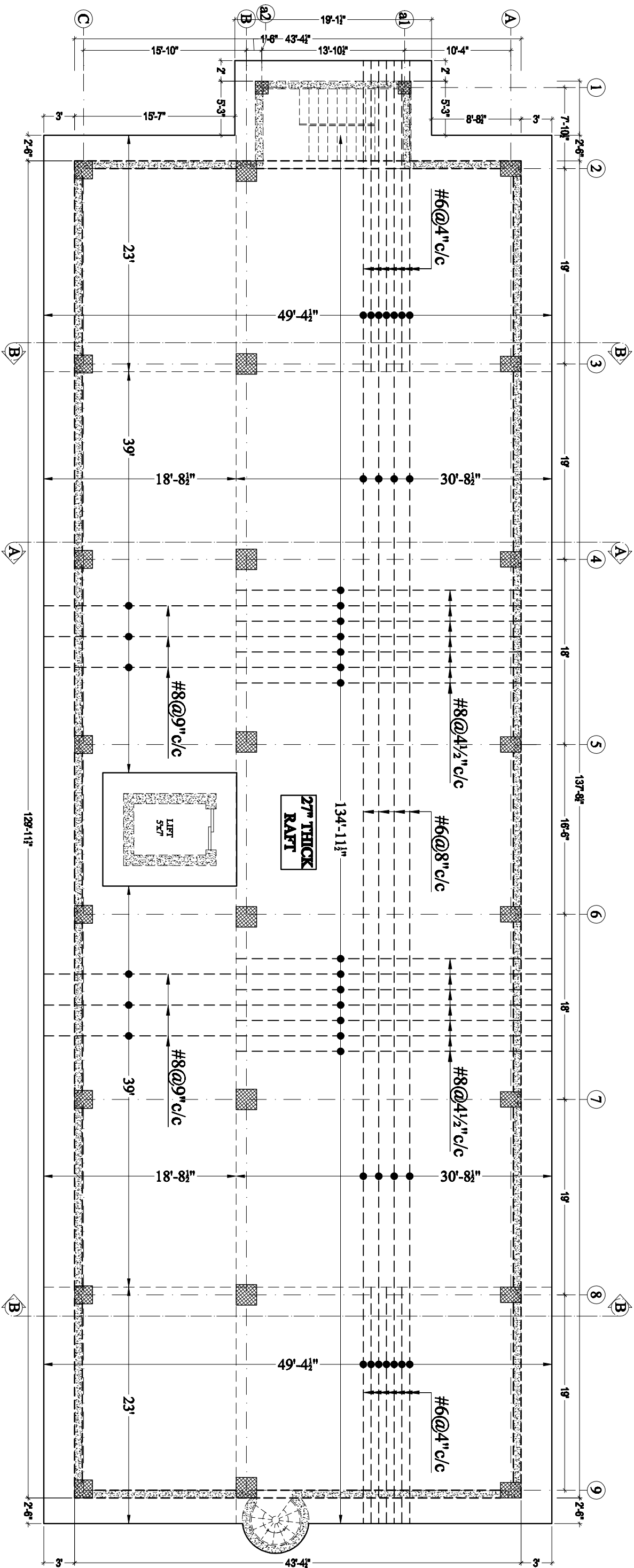
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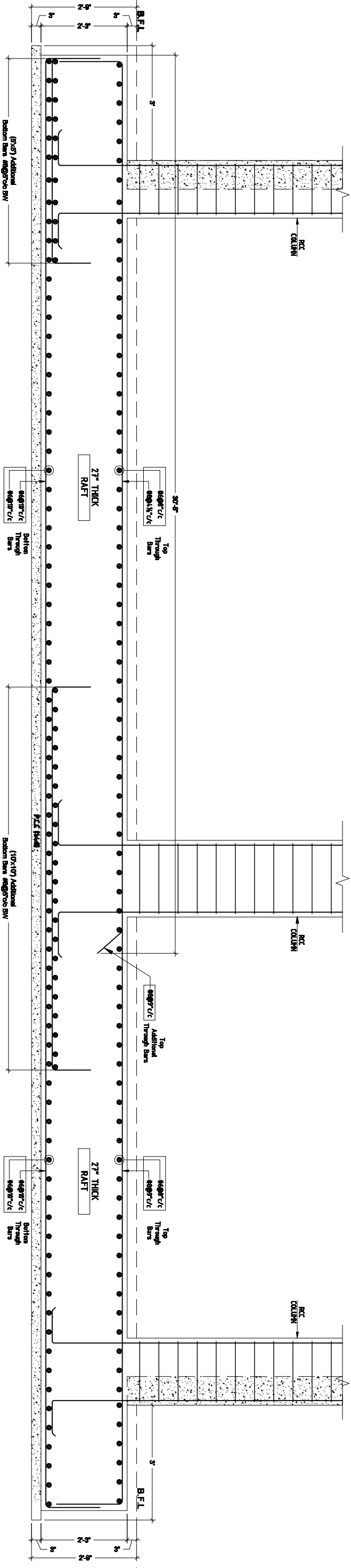
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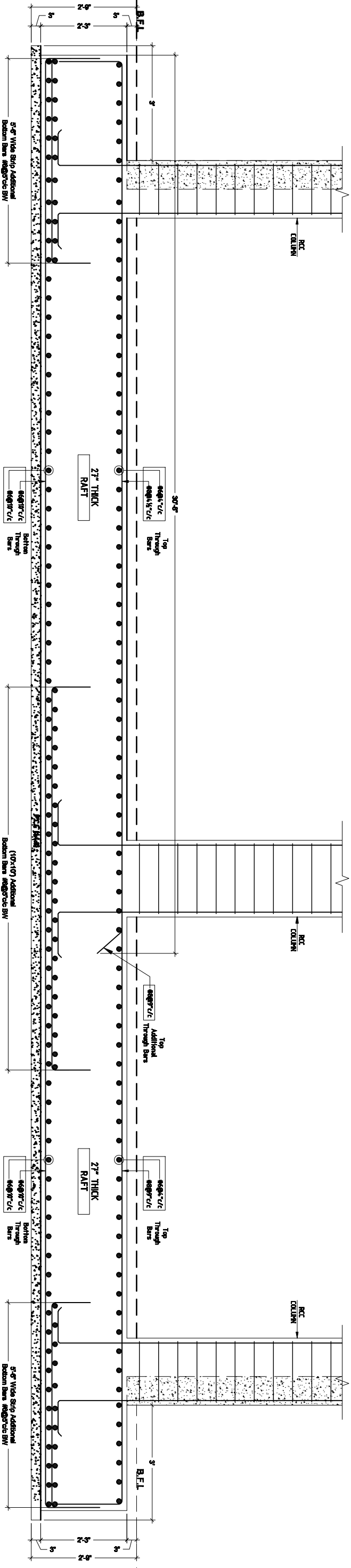
BASEMENT FLOOR PLAN
FOUNDATION TOP BARS DETAIL

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PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK-ANF-09		JUNE, 2021		1.		GSK ENGINEERZ PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azadi Tower Phase 3, Mach Intersection, Peshawar Ph: +92-333-672-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR-09		3.			
										4.			

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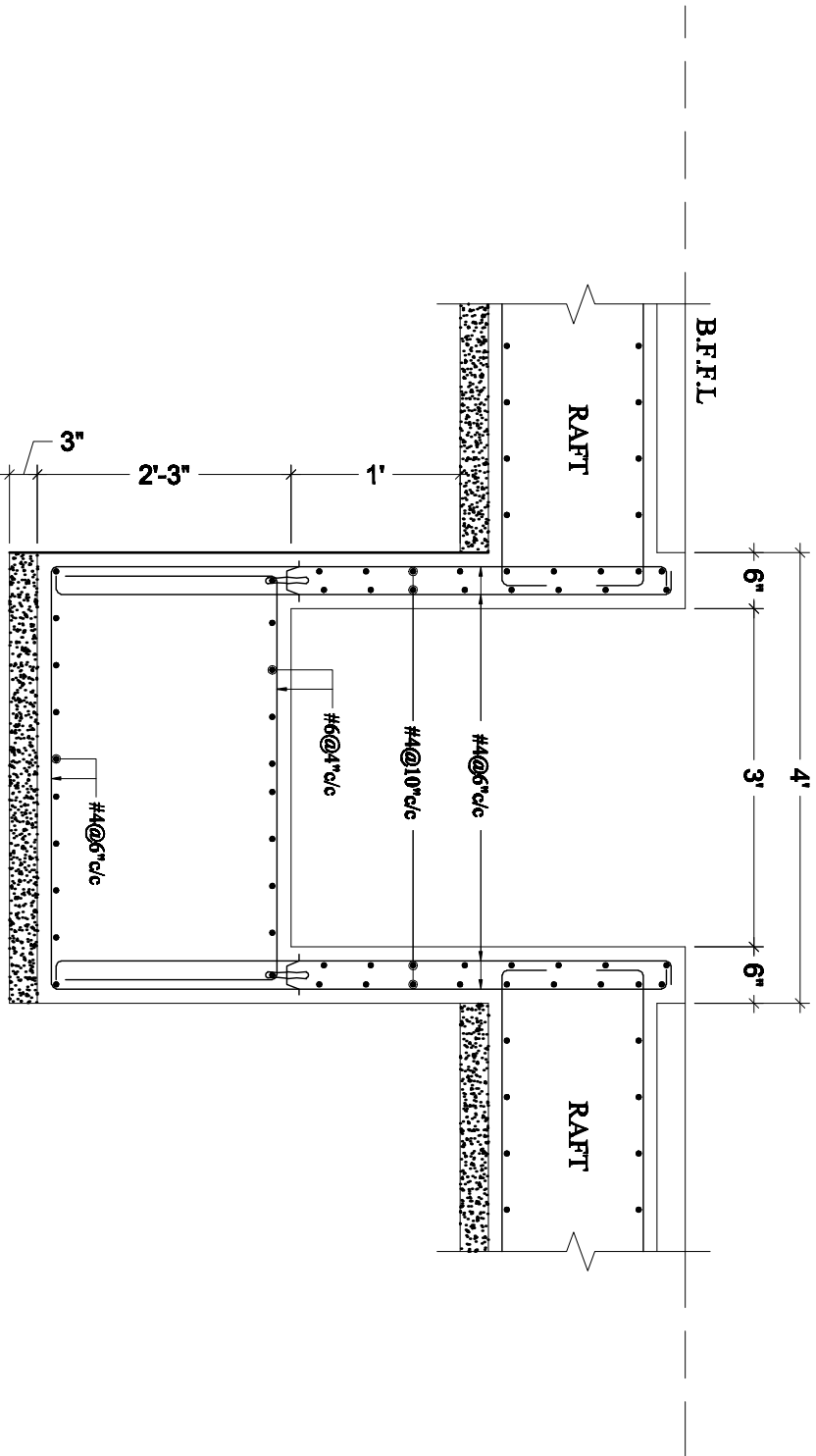
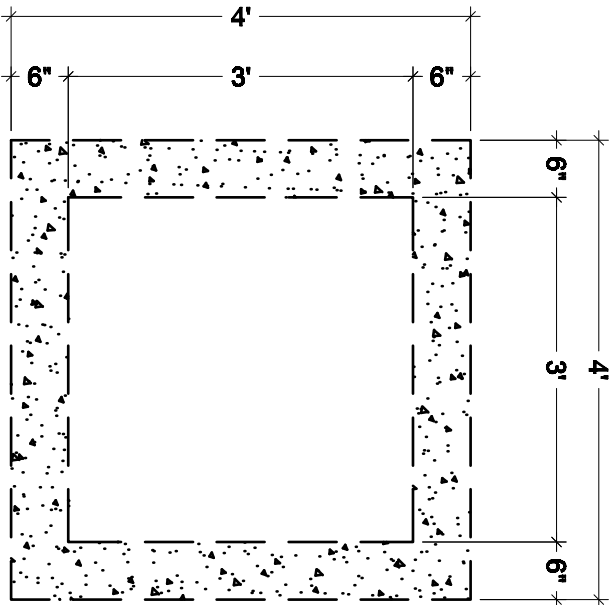
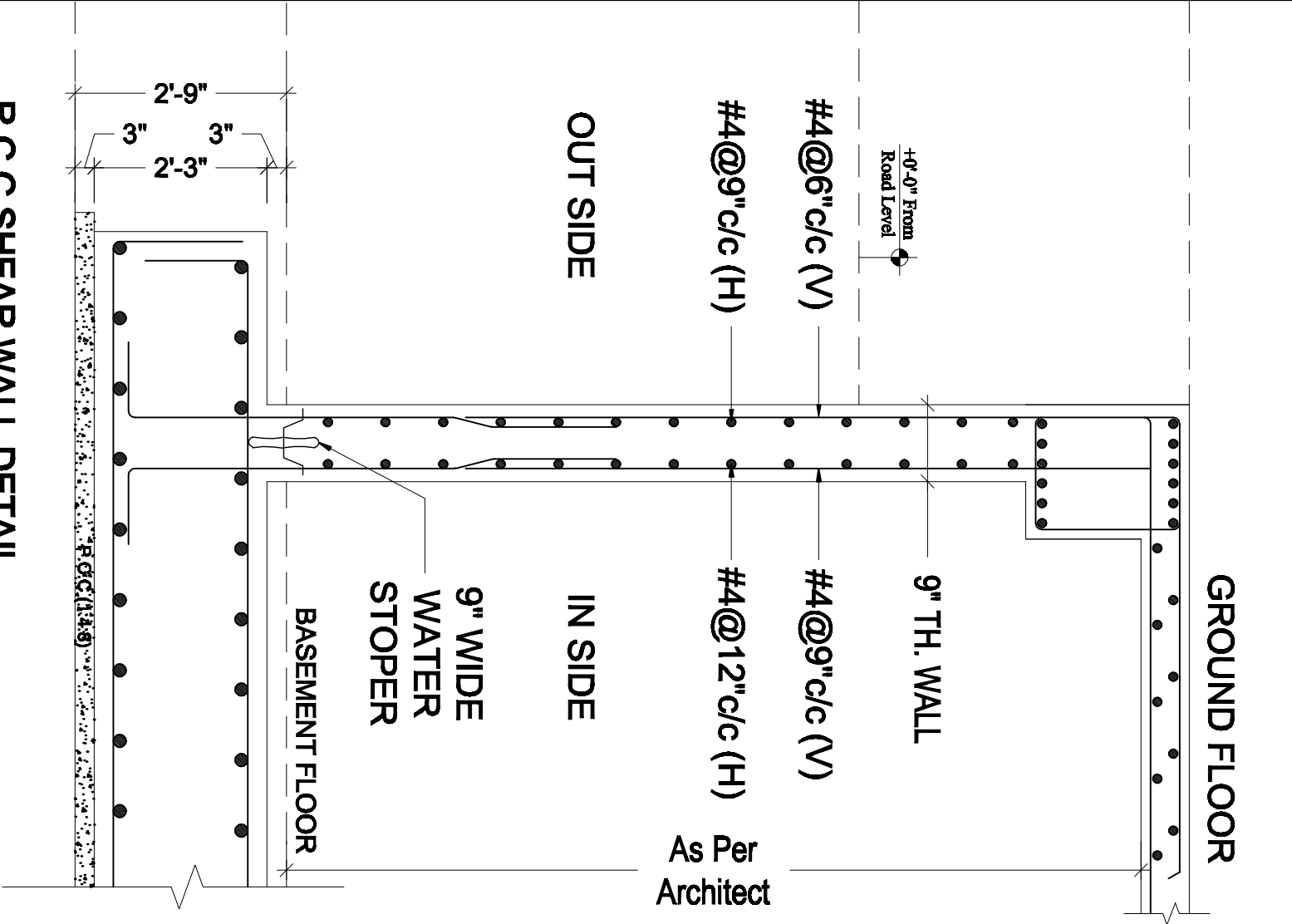
SECTION AT A-A




SECTION AT B-B

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION				FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK-ANF-02		JUNE,2021		1.				GSK ENGINEERZ PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO.205 & 202 2nd Floor, Azad Tower Phase 3, Nahd Intersection, Peshawar Ph: +92-333-912-0110, +92-331-643-8340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.					
		S.A		T.Z.R		N.T.S		STR-10		3.					
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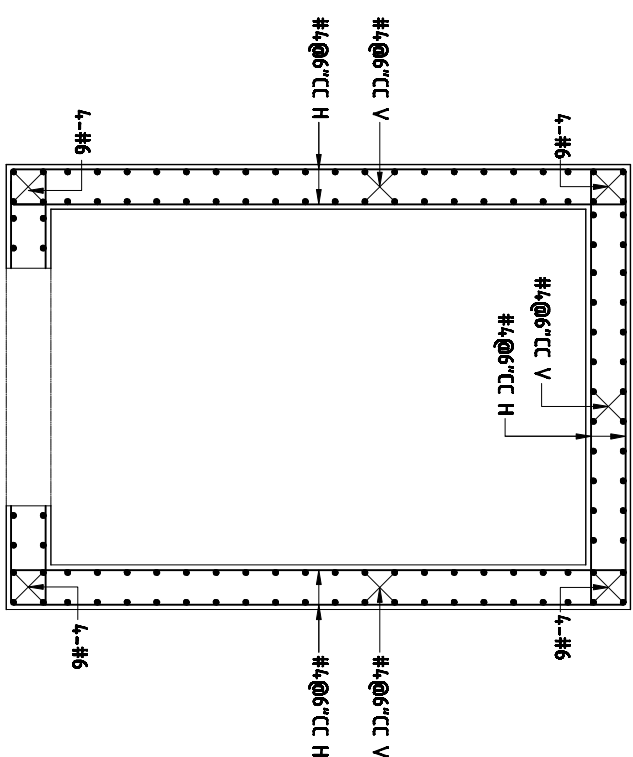
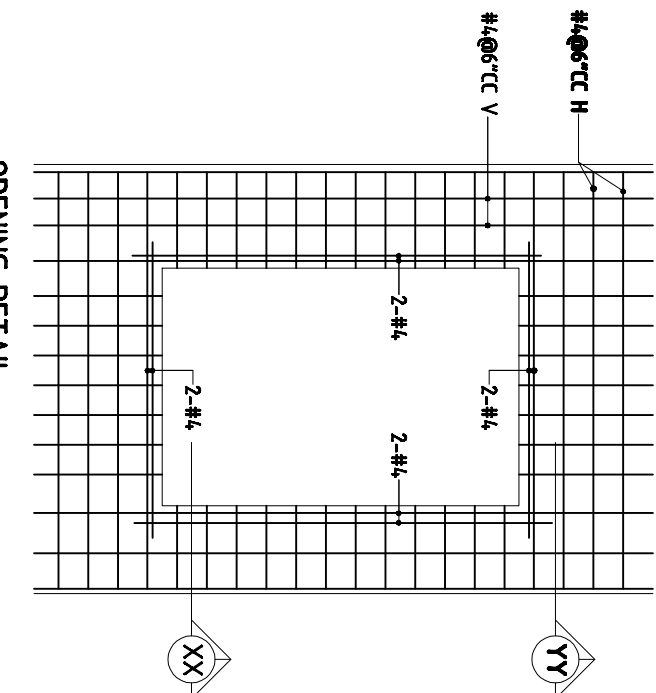
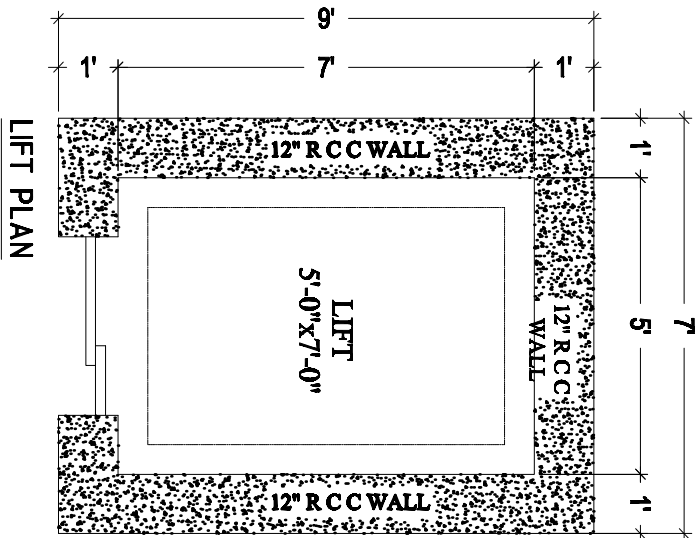
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SUMP PIT DETAIL

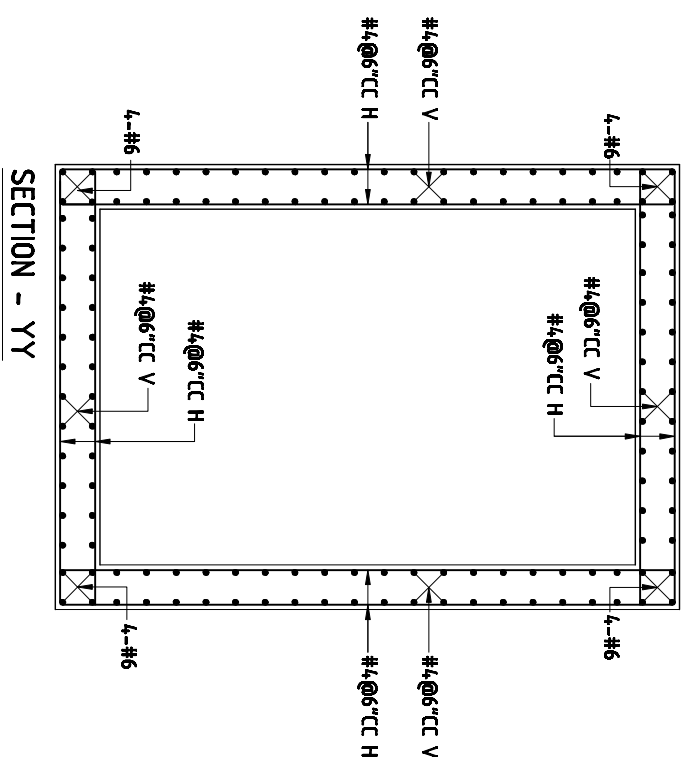
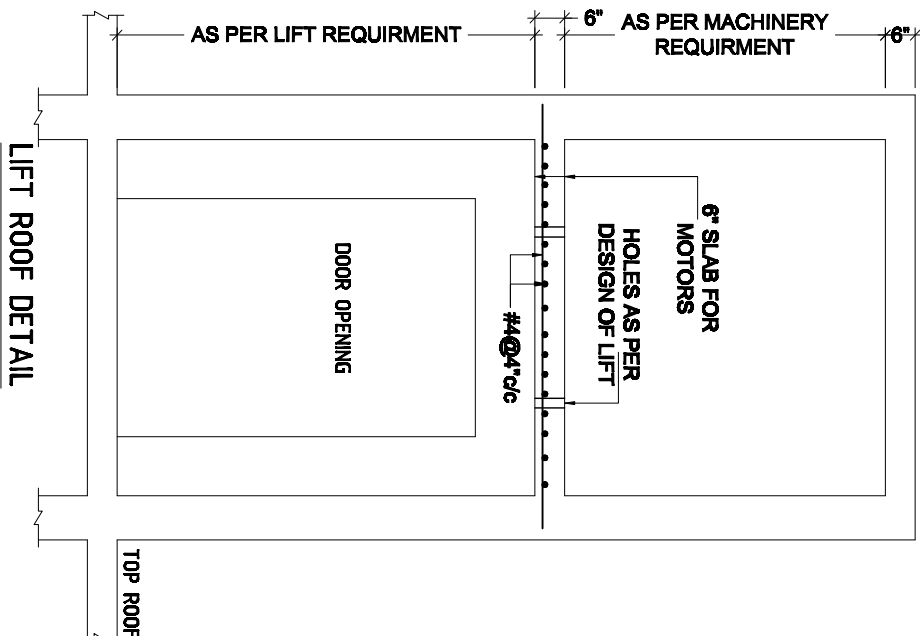
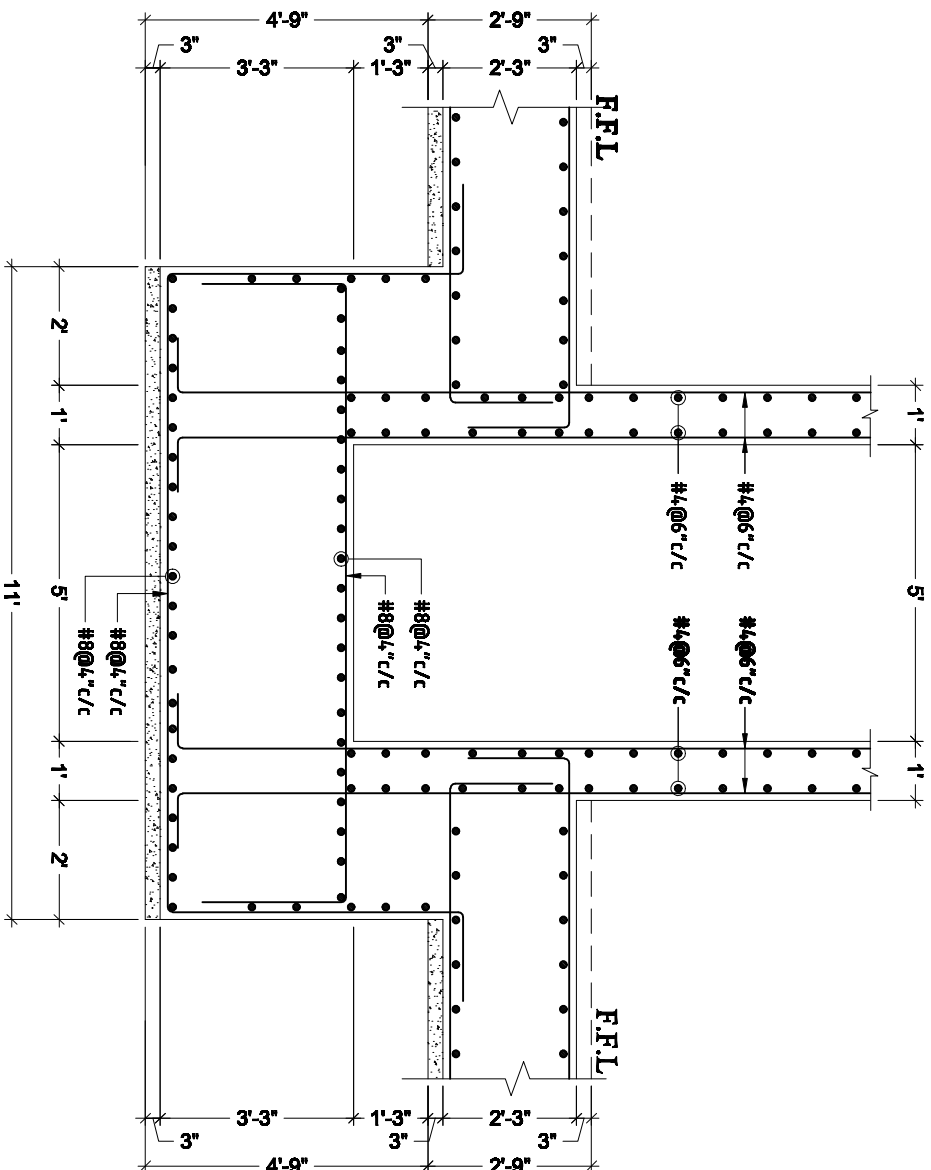
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<u>PROPOSED DESIGN OF ANF BUILDING</u> <u>AT ISLAMABAD</u>		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.			
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR – 11		3.			
										4.			

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OPENING DETAIL

SECTION - XX



NAME PROJECT:

**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

DRAWING:

STR

CHECKED BY:

Z.A

PROJECT NO:

GSK-ANF-02

ISSUE DATE:

JUNE, 2021

REVISION

1.

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3.

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FIRM NAME & ADDRESS:



PLANNING - TESTING - DESIGNING & DEVELOPMENT

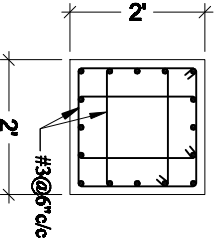
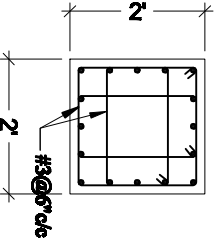
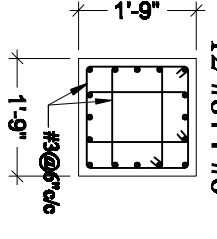
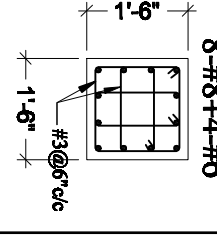
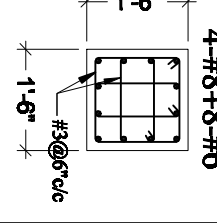
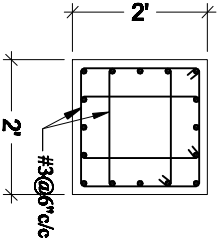
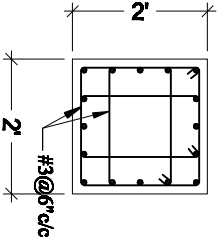
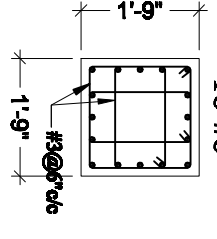
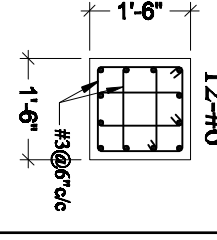
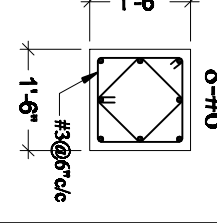
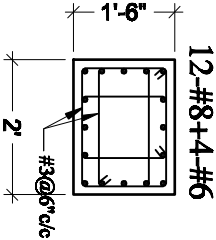
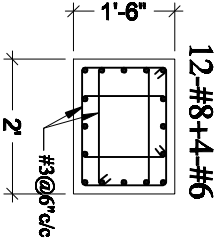
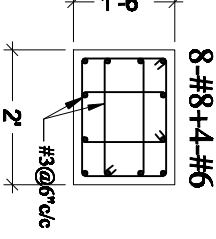
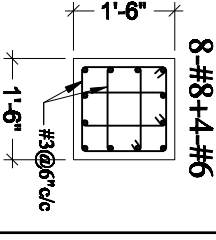
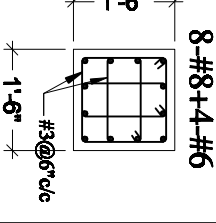
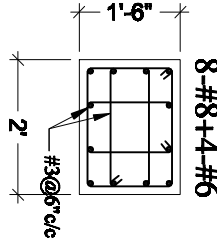
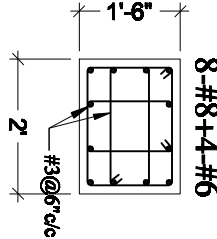
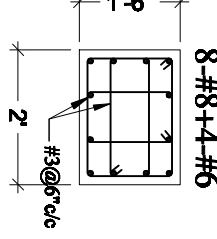
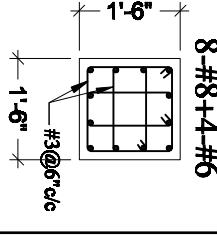
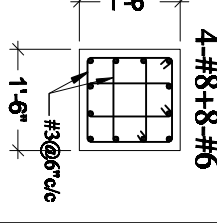
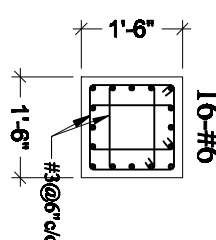
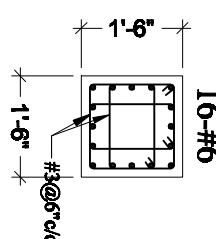
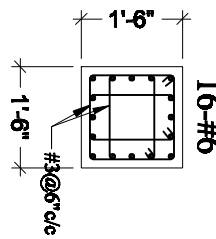
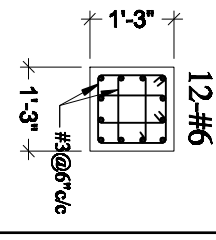
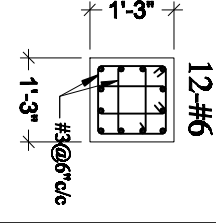
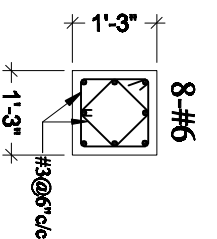
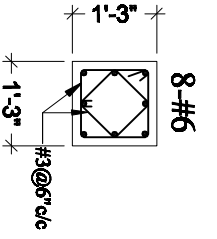
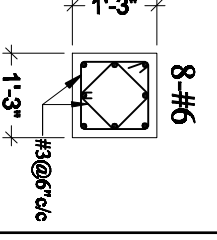
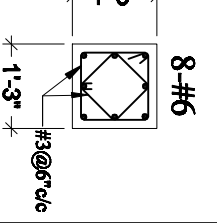
FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3,

Mahmoodia, Peshawar

Ph: +92-333-912-0110, +92-333-912-0340

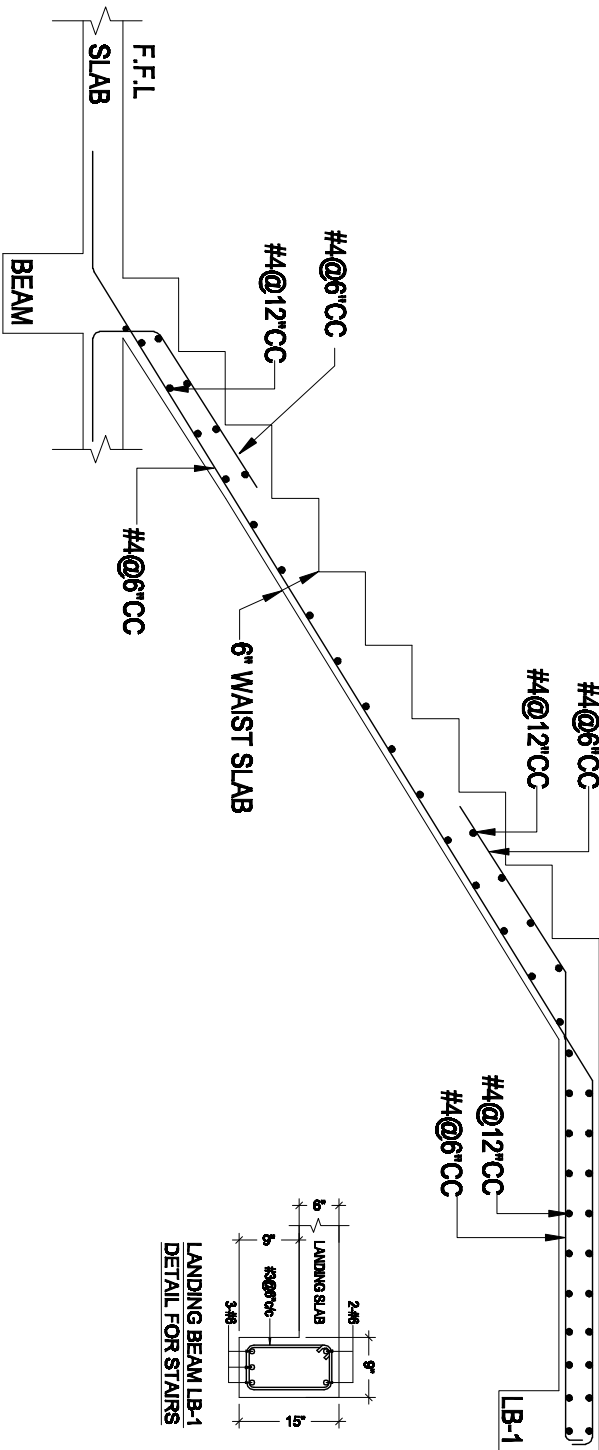
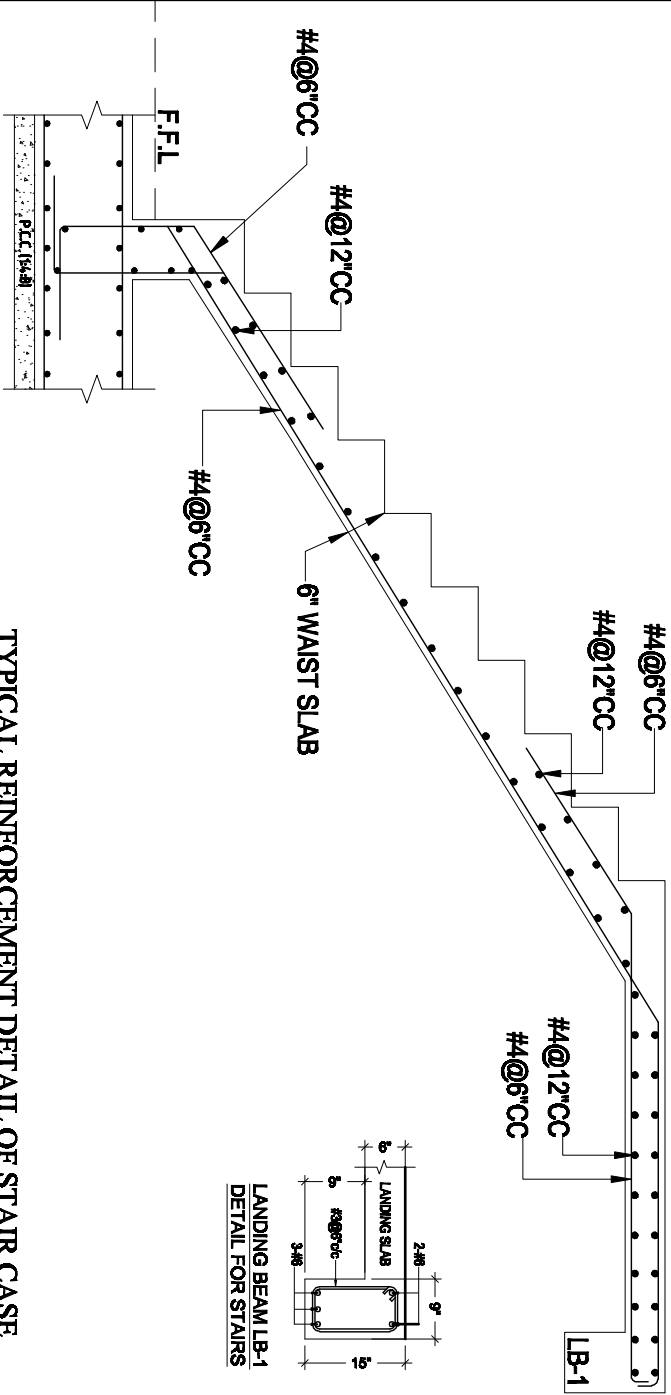
Email: gsk.engineerz@gmail.com

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COLUMN X-SECTION DETAILS					
SL.NO	BASEMENT FLOOR	GROUND FLOOR	FIRST FLOOR	SECOND FLOOR	THIRD FLOOR
C-1					
C-2					
C-3					
C-4					
C-5					
C-6					

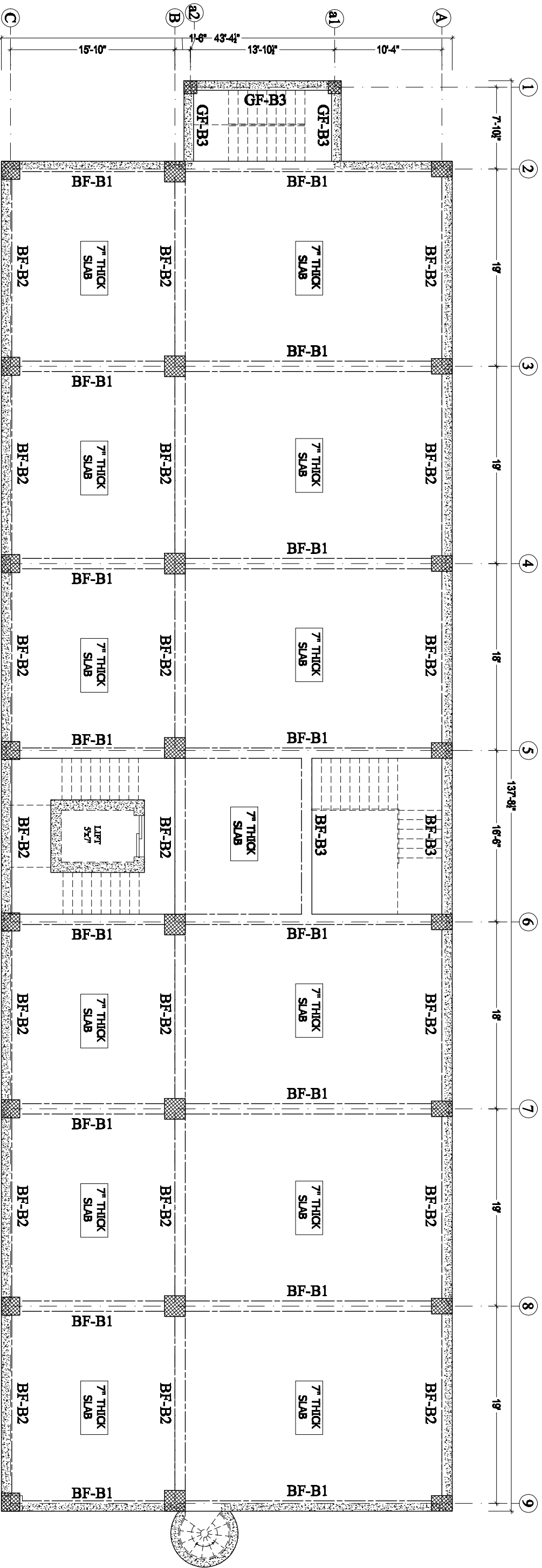
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	STR		Z.A		GSK-ANF-02		JUNE, 2021				
	DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:				
	S.A		T.Z.R		N.T.S		STR-13				

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				DESIGNED BY: S.A		DRAFTER: T.Z.R		SCALE: N.T.S		DRAWING NO: STR – 14		1.			
												2.			
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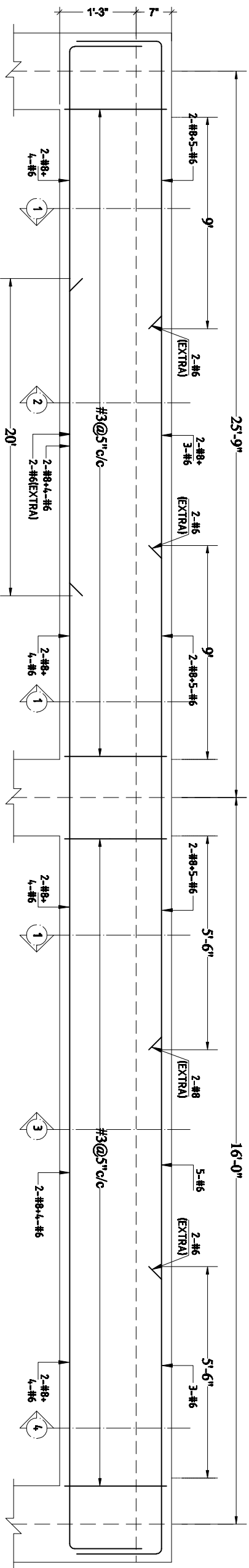


BASEMENT FLOOR
BEAMS KEY PLAN

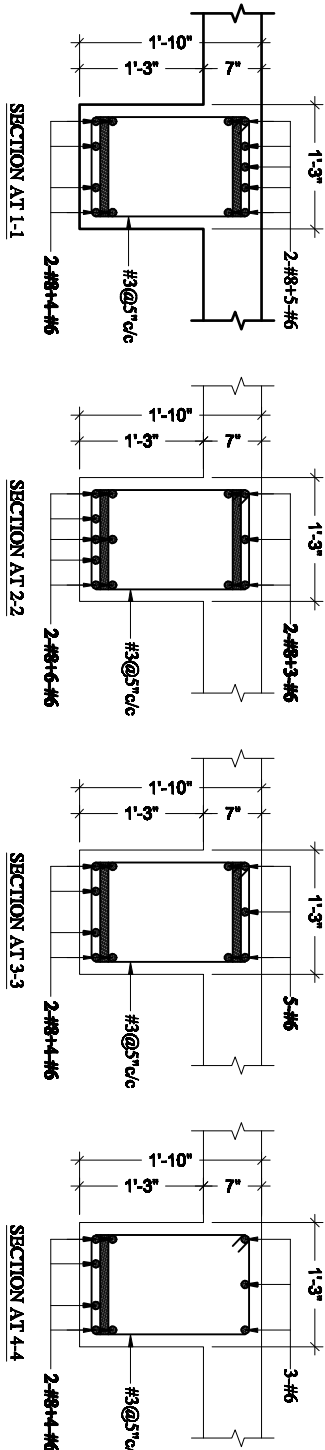
NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		FIRM NAME & ADDRESS:									
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Main Intersection, Peshawar Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineers@gmail.com									
		DESIGNED BY: S.A		DRAFTER: T.Z.R		SCALE: N.T.S		DRAWING NO: STR-15		REVISION									
										<table><tr><td>1.</td><td></td></tr><tr><td>2.</td><td></td></tr><tr><td>3.</td><td></td></tr><tr><td>4.</td><td></td></tr></table>		1.		2.		3.		4.	
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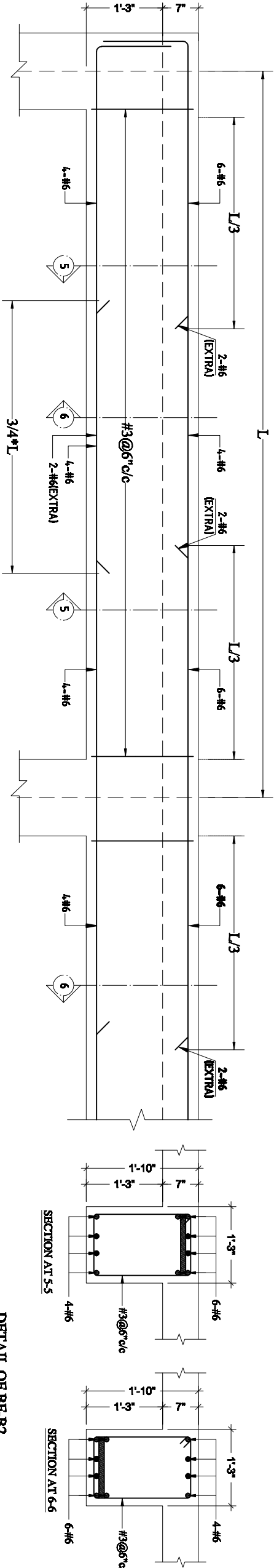
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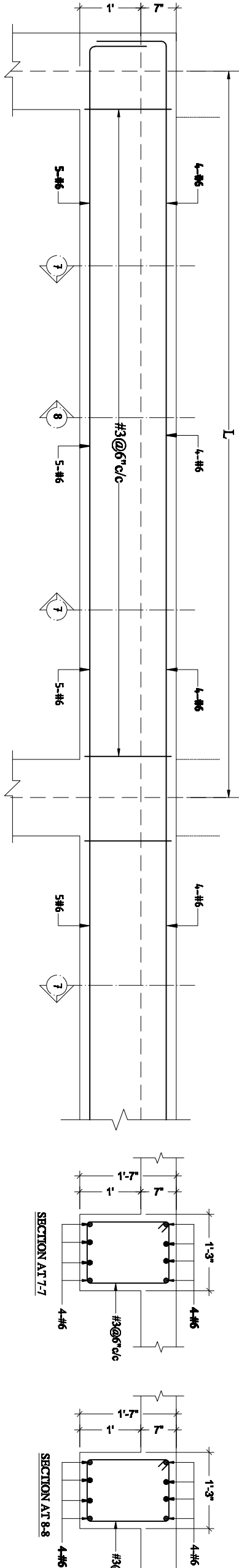
TYPICAL ELEVATION OF BF-B1



BF-B1 X-SECTION DETAILS



TYPICAL ELEVATION OF BF-B2



TYPICAL ELEVATION OF BF-B3

NAME PROJECT:

**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

DRAWING:	CHECKED BY:	PROJECT NO:	ISSUE DATE:
STR	Z.A	GSK-ANF-02	JUNE, 2021
DESIGNED BY:	DRAFTER:	SCALE:	DRAWING NO:
S.A	T.Z.R	N.T.S	STR-16

REVISION
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2.
3.
4.

FSK ENGINEERZ

PLANNING - DESIGNING - DEVELOPMENT

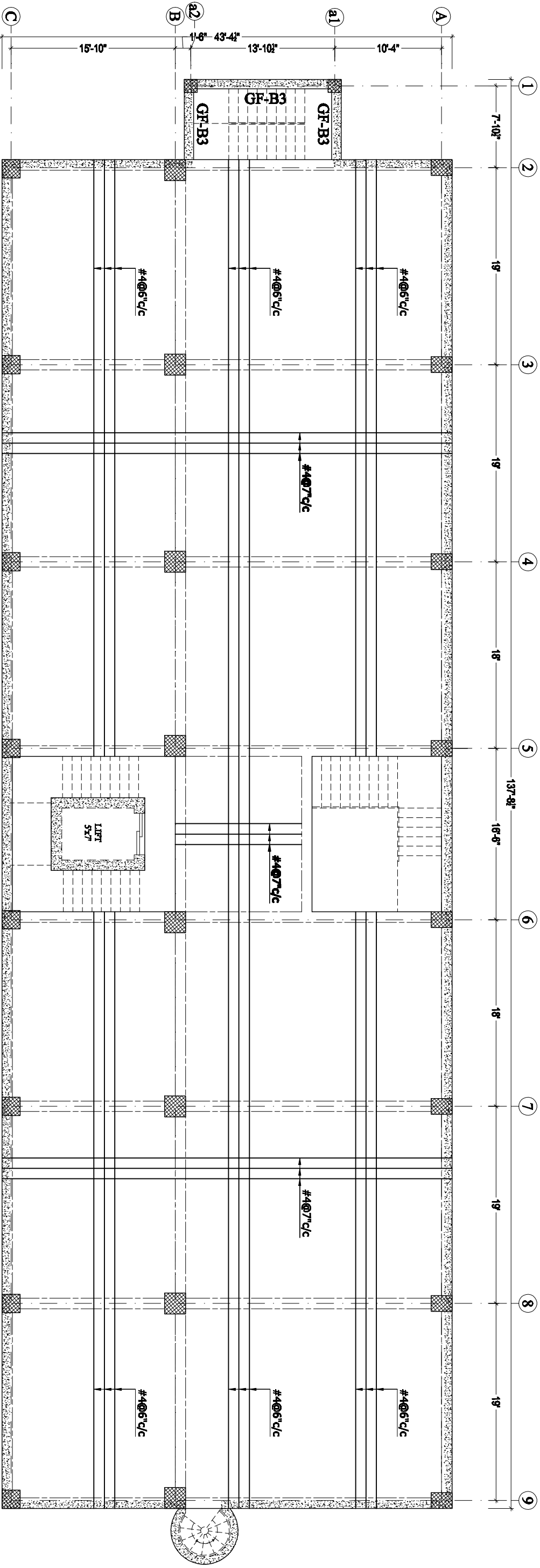
FLAT NO.205 & 206 2nd Floor, Azadi Tower Phase 3,

Main Intersection, Peshawar

Ph: +92-333-612-6116, +92-333-616-6340

Email: gsk.engineerz@gmail.com


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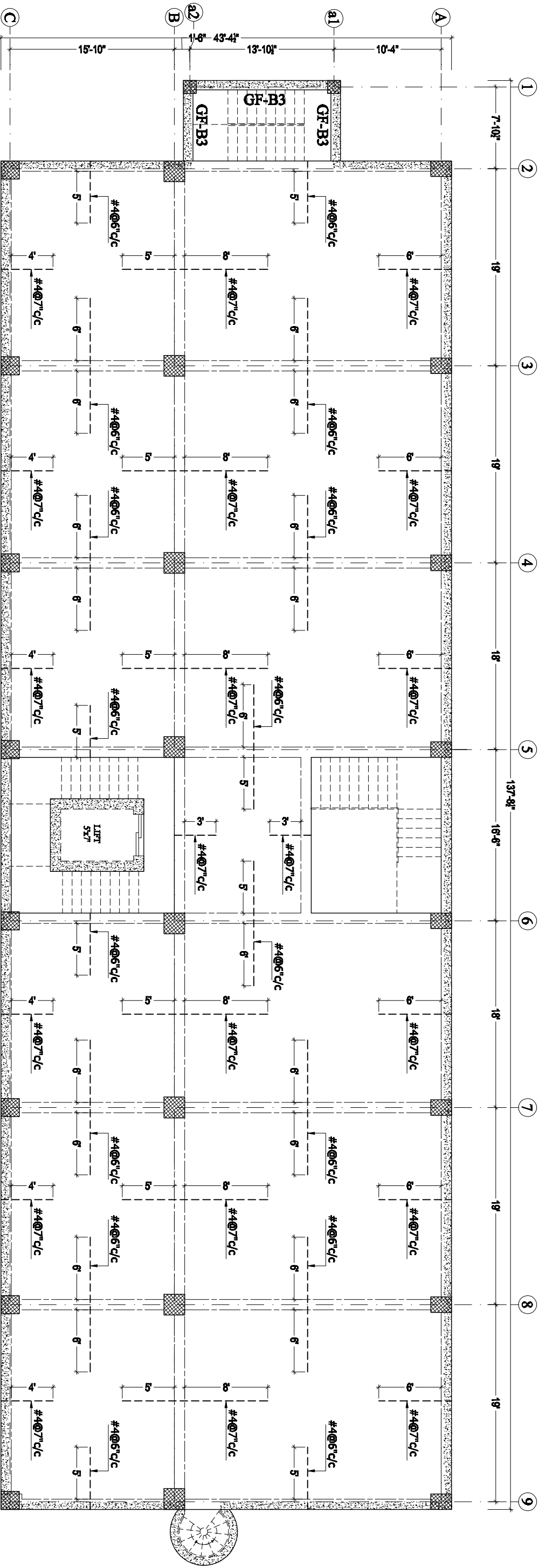
BASEMENT FLOOR PLAN
SLAB REINFORCEMENT DETAIL

BOTTOM BARS _____

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT: PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD			
DRAWING:	CHECKED BY:	PROJECT NO:	ISSUE DATE:
DESIGNED BY:	STR	Z.A	GSK – ANF – 02
DRAFTER:	T.Z.R	SCALE:	N.T.S
		DRAWING NO:	STR – 17
FIRM NAME & ADDRESS:		REVISION	
 PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3, Mehd Inamuddin, Peshawar Ph: +92-300-912-0110, +92-301-943-8340 Email: gsk.engineerz@gmail.com		1.	
		2.	
		3.	
		4.	

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BASEMENT FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*SPACING OF DISTRIBUTION BARS FOR NEGATIVE REINFORCEMENT MUST BE KEPT AS #3@12"C/C.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

TOP BARS -----

NAME PROJECT:

PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD

DRAWING:

STR

CHECKED BY:

Z.A

PROJECT NO:

GSK – ANF – 02

ISSUE DATE:

JUNE, 2021

REVISION

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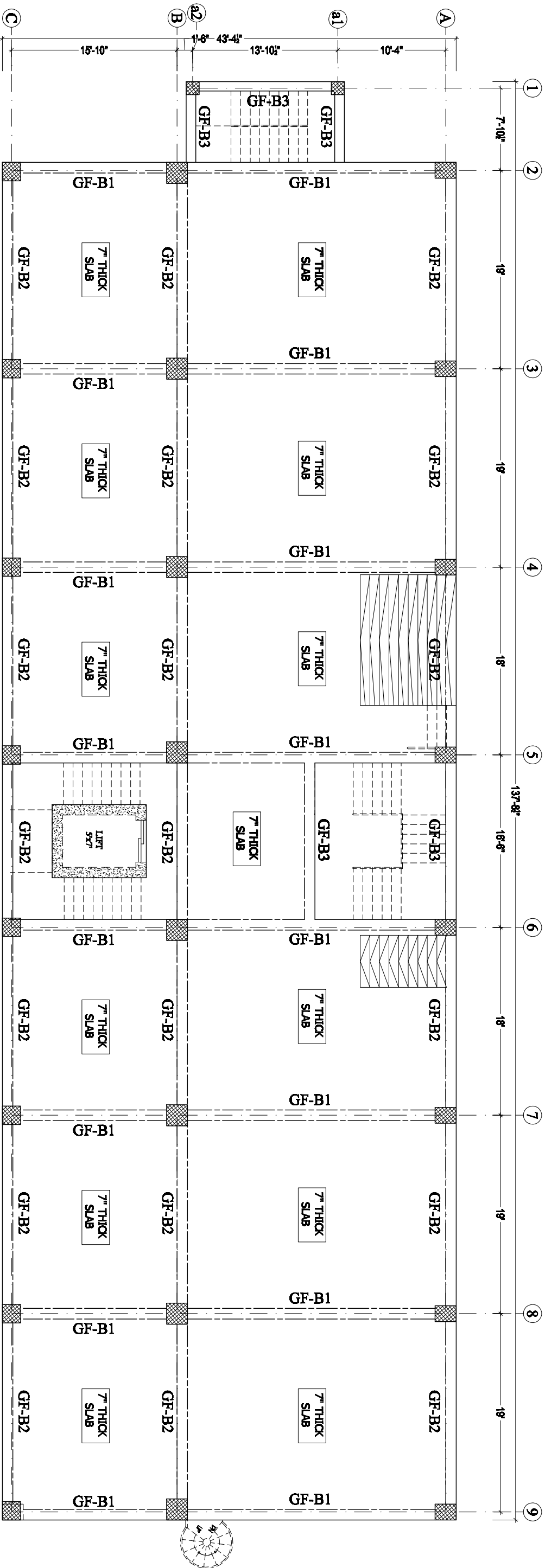
4.

FIRM NAME & ADDRESS:



PLANNING - DESIGNING - DEVELOPMENT
FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3,
Main Intersection, Peshawar
Ph: +92-333-612-6116, +92-331-643-6340
Email: gsk.engineerz@gmail.com

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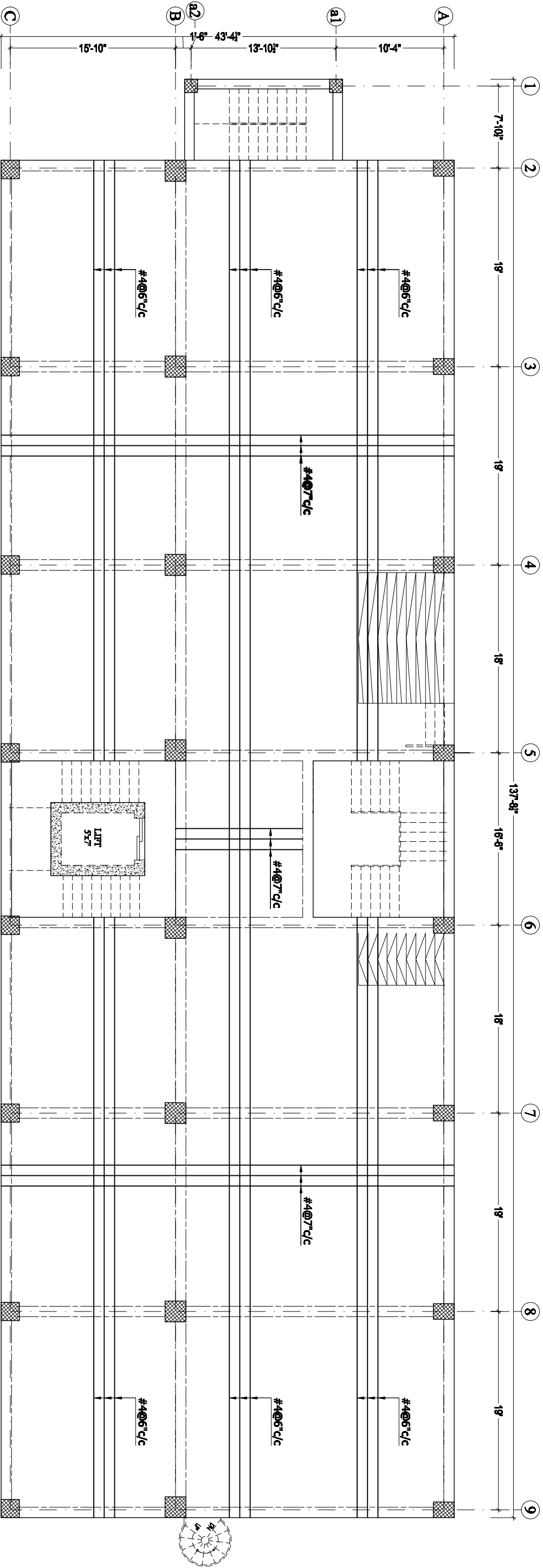


GROUND FLOOR
BEAMS KEY PLAN

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		DESIGNED BY:	STR	DRAFTER:	Z.A	GSK – ANF – 02	JUNE, 2021	1.		<div>ENGINEERZ</div> <div>PLANNING - TESTING - DESIGNING & DEVELOPMENT</div> <div>FLAT NO 205 & 206 2nd Floor, Azadi Tower Phase 3,</div> <div>Math Indusation, Peshawar</div> <div>Ph: +92-333-612-6116, +92-331-643-6340</div> <div>Email: gsk.engineerz@gmail.com</div>	
		S.A		T.Z.R		N.T.S		2.			
		SCALE:		DRAWING NO:		3.		3.			
				STR – 19		4.		4.			


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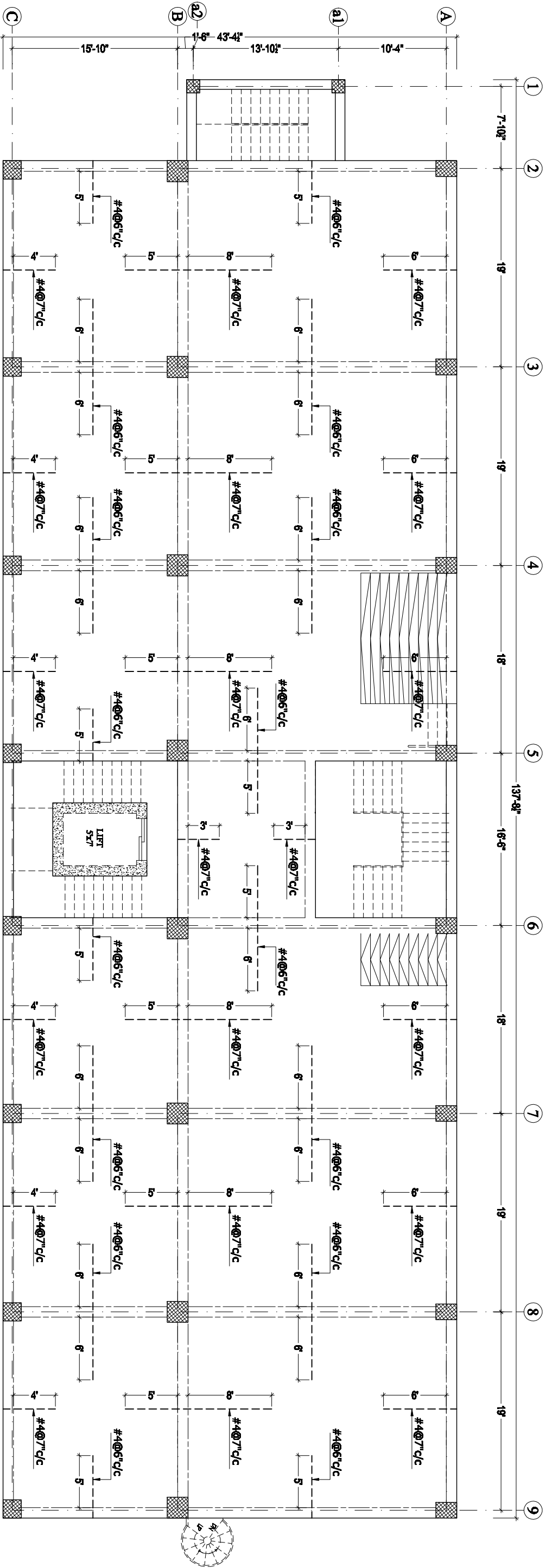
GROUND FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

BOTTOM BARS _____

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		<div><div>ENGINEERZ</div></div> <div>PLANNING - DESIGNING - DEVELOPING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Mach Invention, Pakistan Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com</div>	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
S.A		T.Z.R		N.T.S		STR – 20		3.					
								4.					

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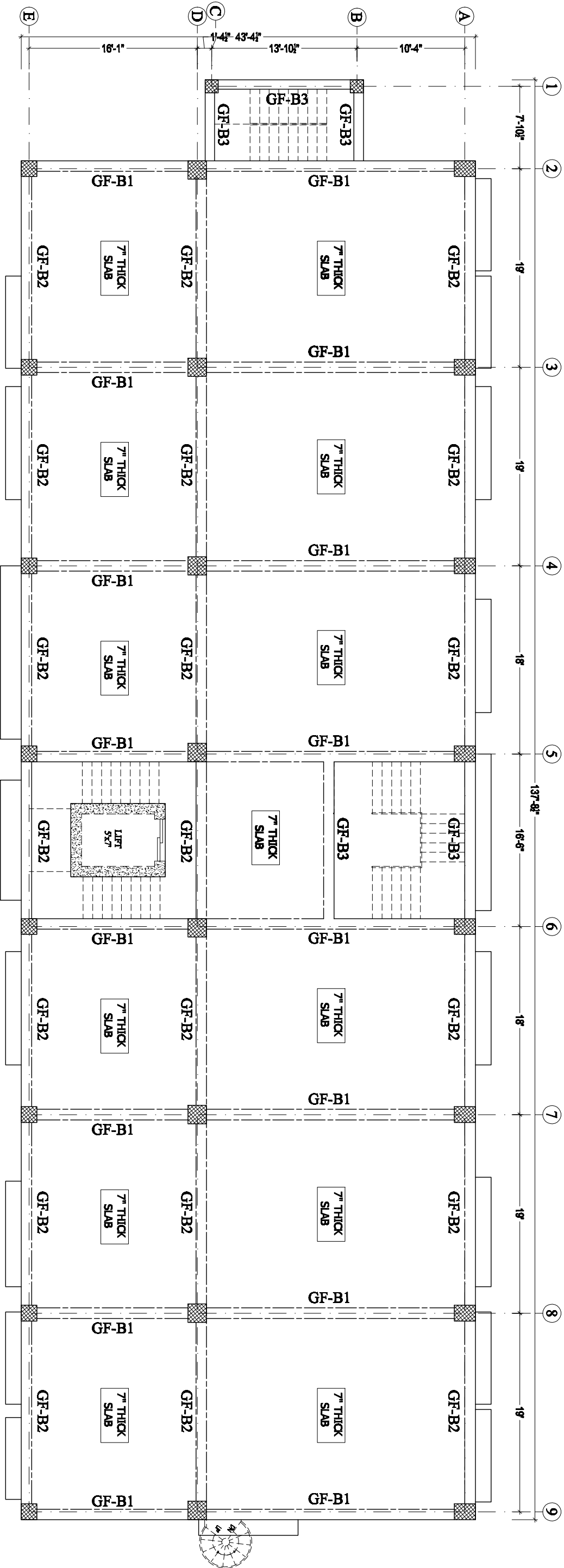
GROUND FLOOR PLAN
SLAB REINFORCEMENT DETAIL

TOP BARS -----

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*SPACING OF DISTRIBUTION BARS FOR NEGATIVE REINFORCEMENT MUST BE KEPT AS #3@12"c/c.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		GSK ENGINEERZ PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3, Mohd Islamuddin, Pakistan Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR – 21		3.			
										4.			

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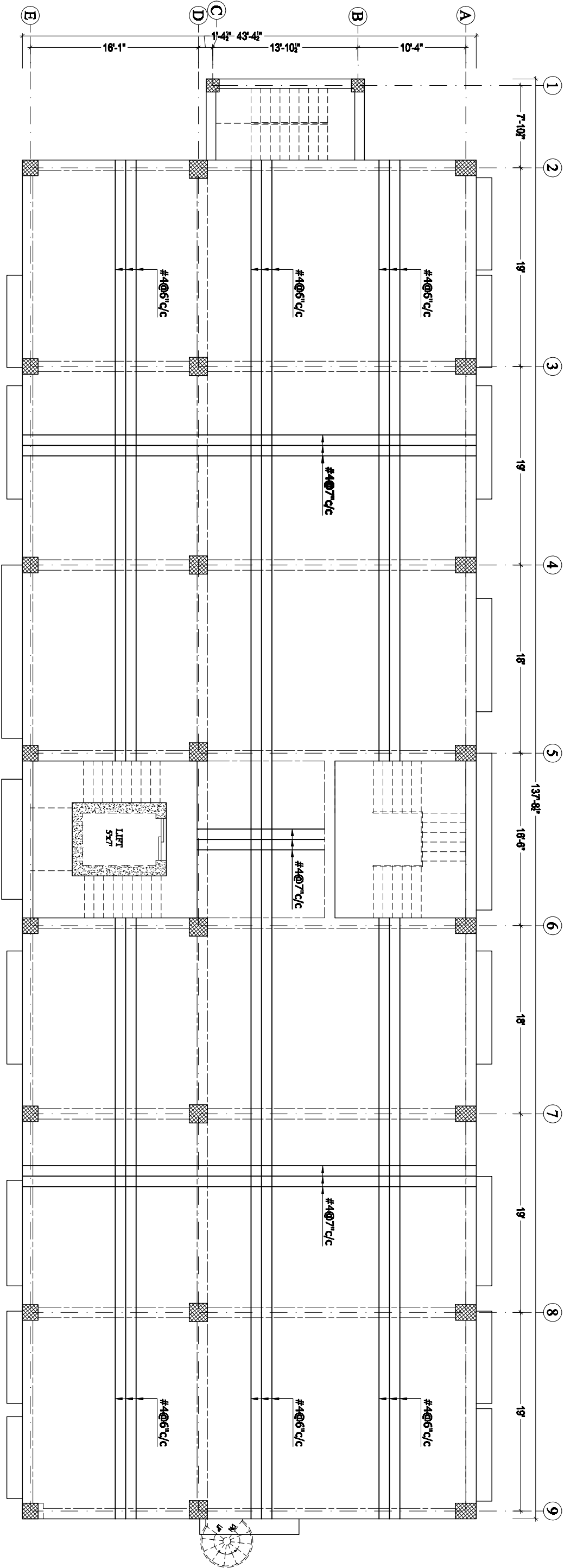


FIRST FLOOR
BEAMS KEY PLAN

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		ENGINEERZ	
		DESIGNED BY: S.A		DRAFTER: T.Z.R		SCALE: N.T.S		DRAWING NO: STR – 22		PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Main Intersection, Peshawar Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	

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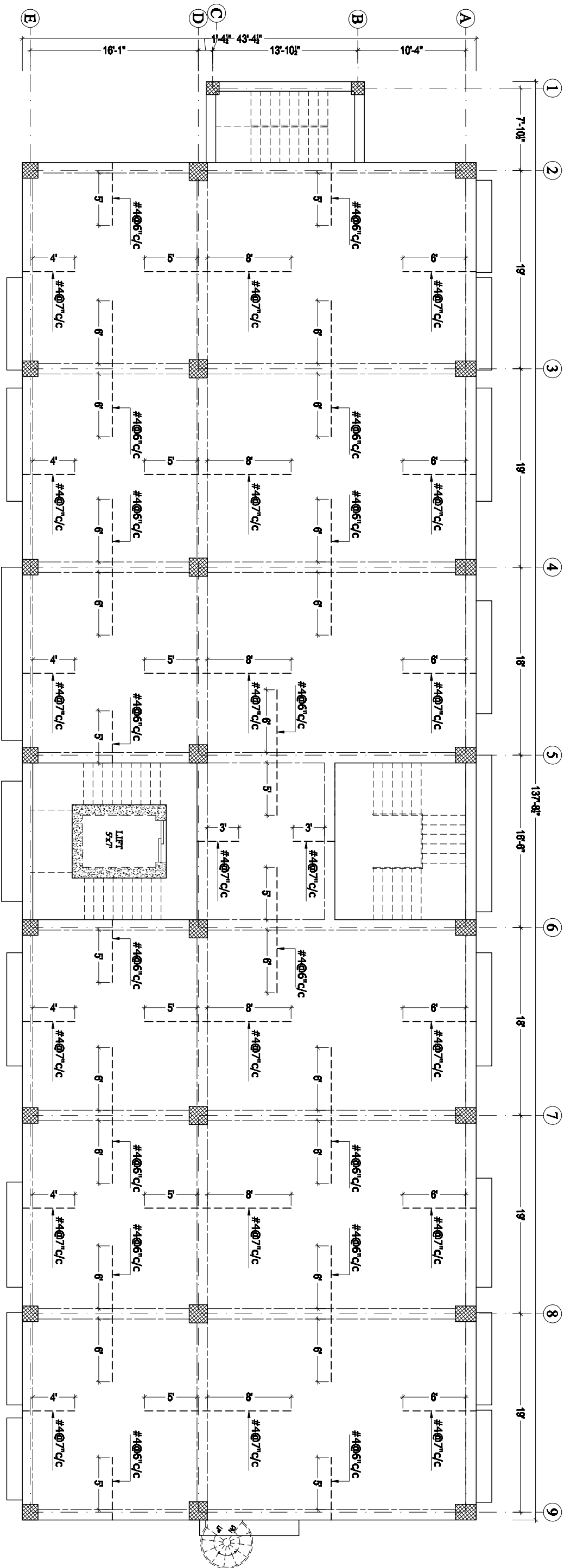
FIRST FLOOR PLAN
SLAB REINFORCEMENT DETAIL

BOTTOM BARS _____

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		GSK ENGINEERZ PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Mach Invention, Pakistan Ph: +92-333-912-0110, +92-331-943-8340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR – 23		3.			
										4.			

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FIRST FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*SPACING OF DISTRIBUTION BARS FOR NEGATIVE REINFORCEMENT MUST BE KEPT AS #3@12" c/c.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		ENGINEERZ	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
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PLANNING - TESTING - DESIGNING & DEVELOPMENT

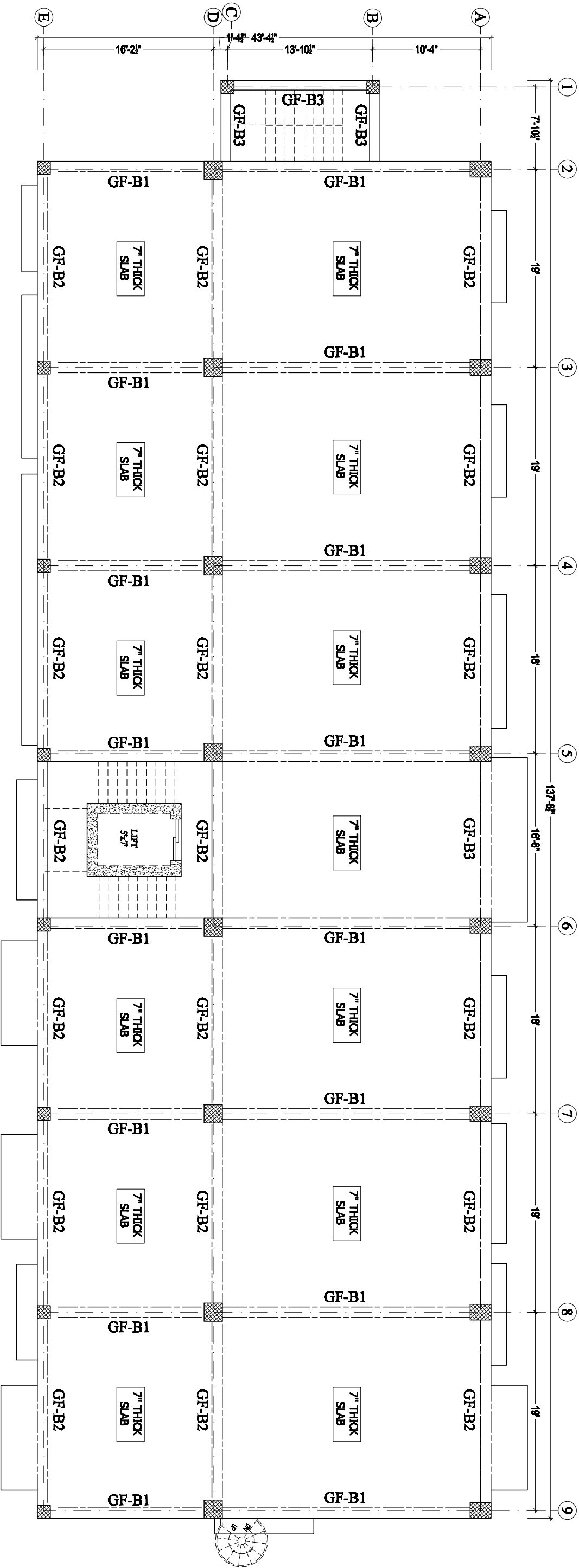
FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3,

Main Intersection, Peshawar

Ph: +92-333-912-0110, +92-331-943-8340

Email: gsk.engineerz@gmail.com

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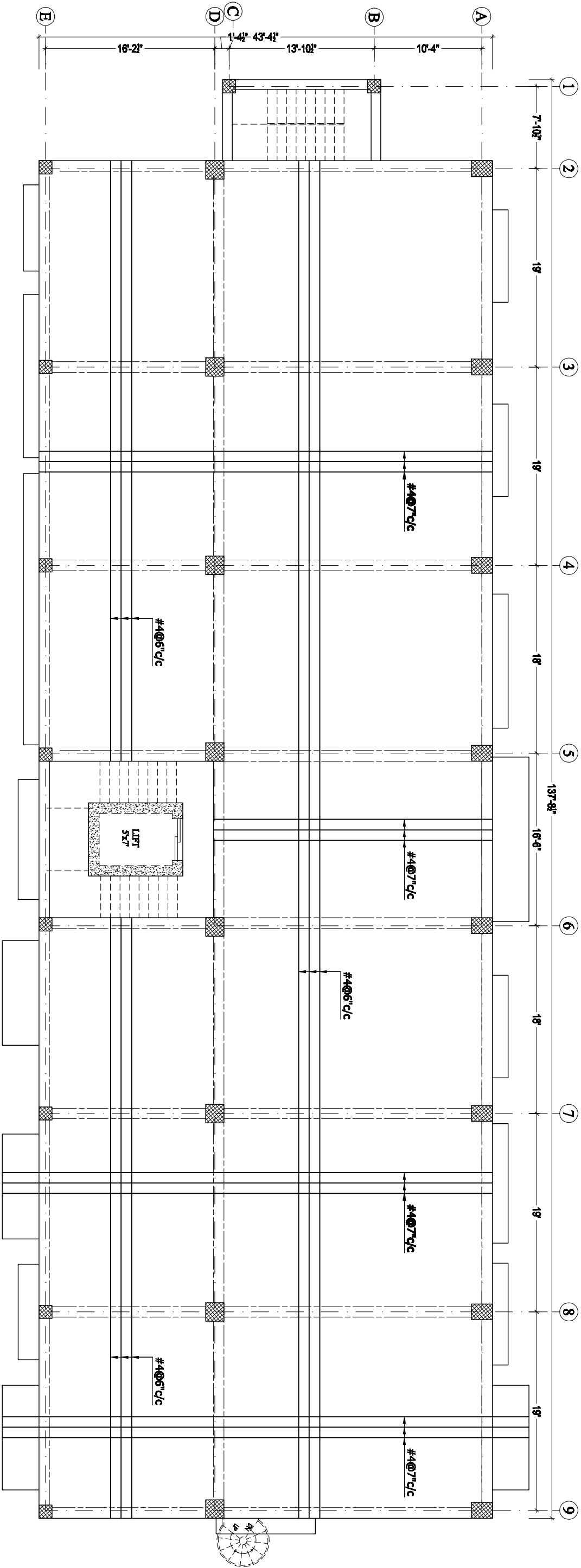


NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

SECOND FLOOR
BEAMS KEY PLAN

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		ENGINEERZ	
		DESIGNED BY: S.A		DRAFTER: T.Z.R		SCALE: N.T.S		DRAWING NO: STR – 25		PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Main Intersection, Peshawar Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	

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BOTTOM BARS _____

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

SECOND FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NAME PROJECT:

**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

DRAWING:

STR

CHECKED BY:
Z.A

PROJECT NO:

GSK-ANF-02

ISSUE DATE:

JUNE, 2021

REVISION

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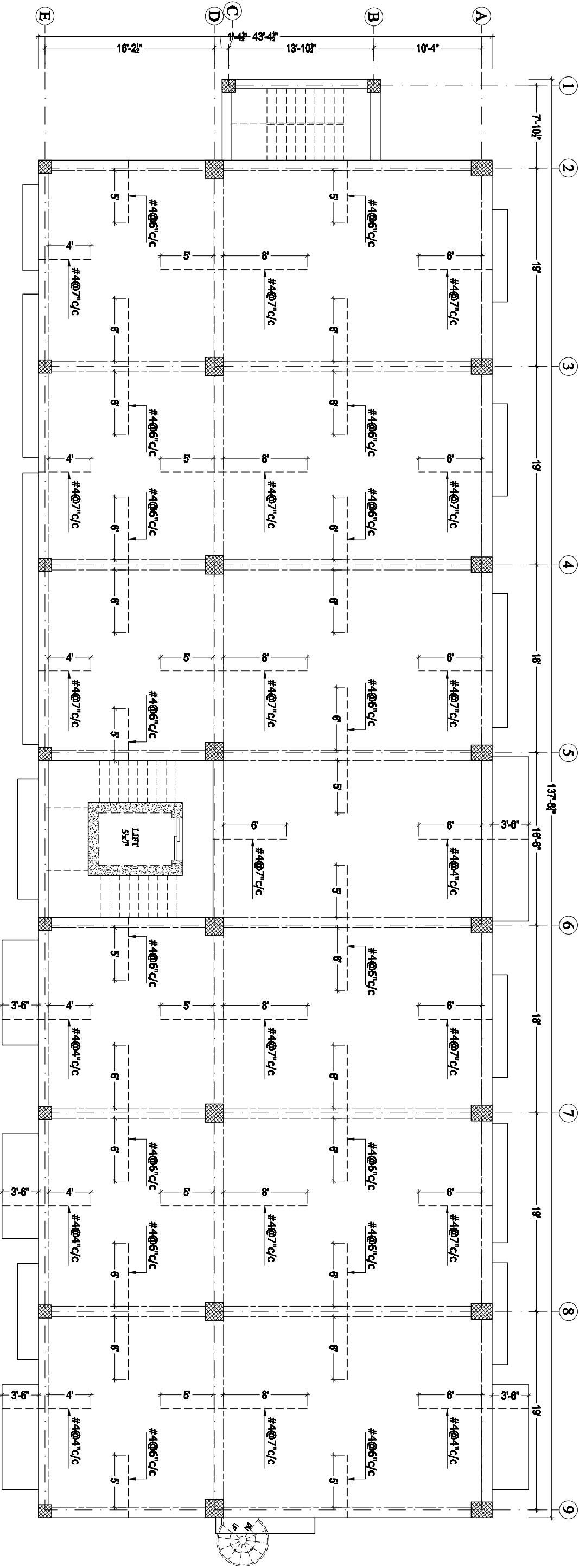
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FIRM NAME & ADDRESS:



PLANNING - DESIGNING - ENGINEERING & DEVELOPMENT
FLAT NO 205 & 206 2nd Floor, Azadi Tower Phase 3,
Main Intersection, Peshawar
Ph: +92-333-612-6116, +92-331-643-6340
Email: gsk.engineerz@gmail.com

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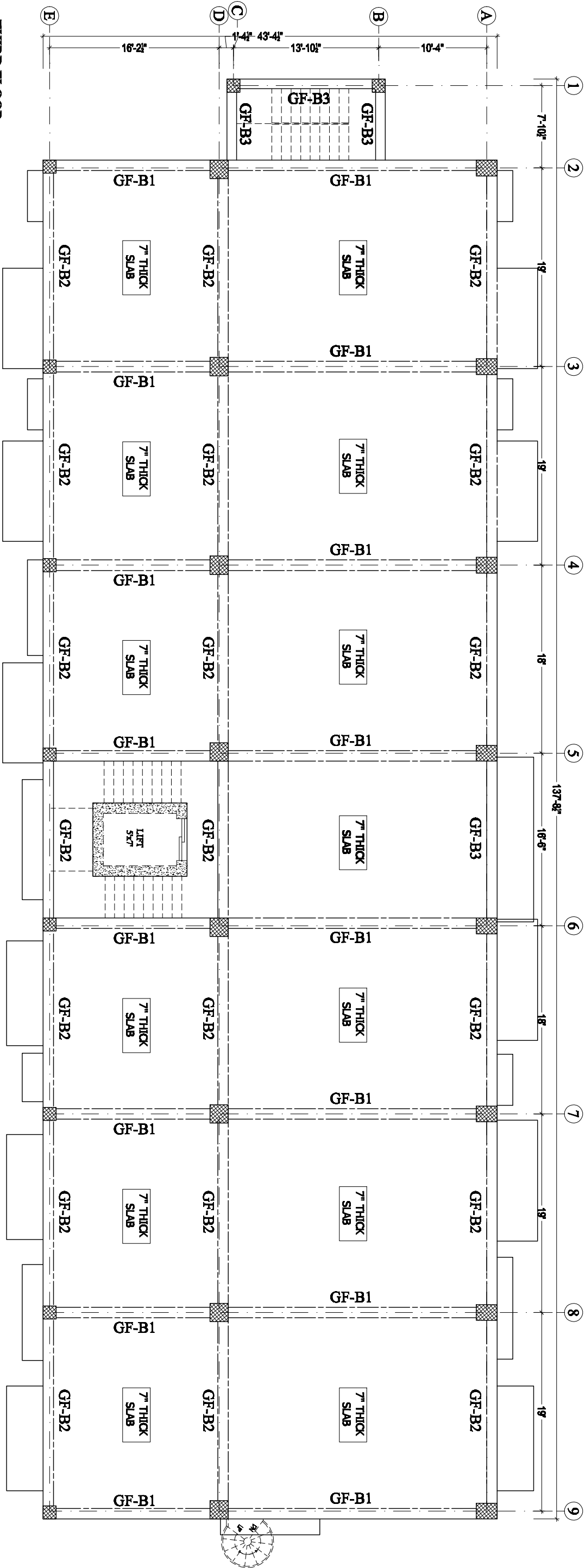
SECOND FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*SPACING OF DISTRIBUTION BARS FOR NEGATIVE REINFORCEMENT MUST BE KEPT AS #3@12"C/C.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK-ANF-02		JUNE, 2021		1.		ENGINEERZ	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR-27		3.			
										4.			

PLANING - TESTING - DESIGNING & DEVELOPMENT
FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3,
Main Intersection, Peshawar
Ph: +92-333-612-6116, +92-333-643-6340
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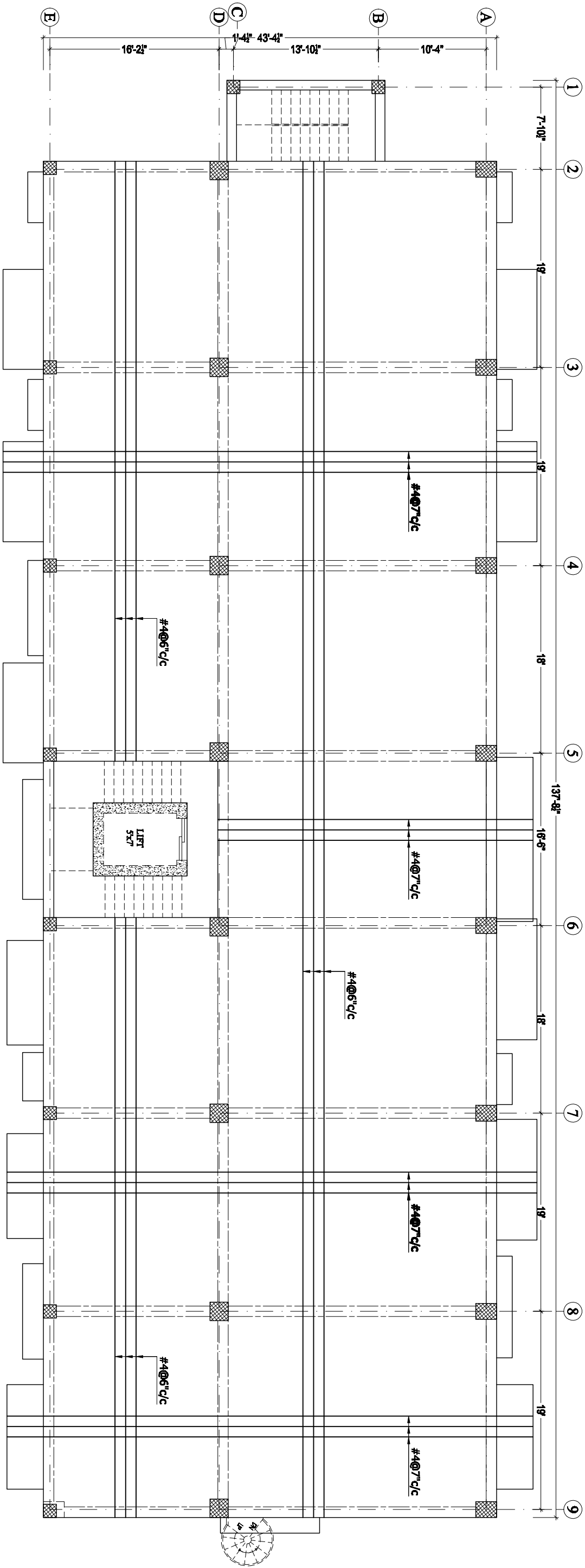


NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

THIRD FLOOR
BEAMS KEY PLAN

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		GSK ENGINEERZ PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Main Intersection, Peshawar Ph: +92-333-612-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR – 28		3.			
										4.			

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THIRD FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

BOTTOM BARS _____

NAME PROJECT:

**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

DRAWING:

STR

CHECKED BY:
Z.A

PROJECT NO:
GSK-ANF-02

ISSUE DATE:
JUNE, 2021

REVISION

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4.

DESIGNED BY:
S.A

DRAFTER:
T.Z.R

SCALE:
N.T.S

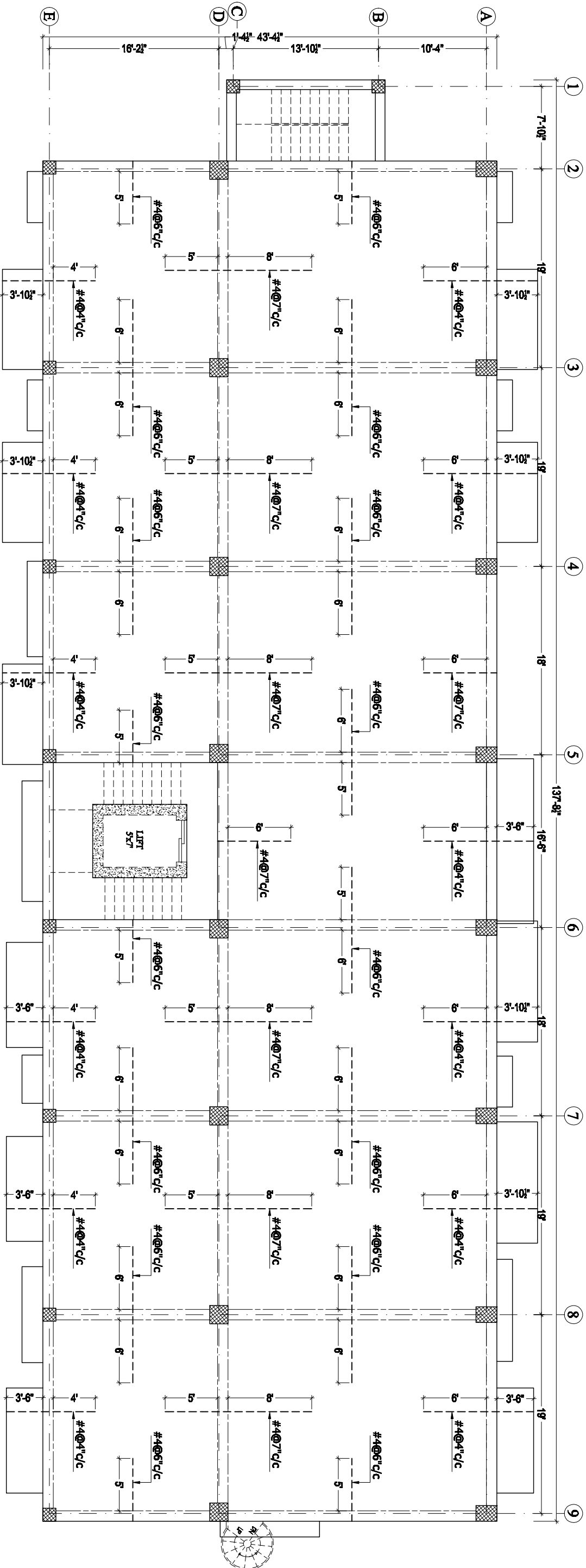
DRAWING NO:
STR-29

FIRM NAME & ADDRESS:



PLANNING - DESIGNING - ENGINEERING & DEVELOPMENT
FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3,
Mehdian Intersection, Peshawar
Ph: +92-300-912-0110, +92-301-943-8340
Email: gsk.engineerz@gmail.com

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THIRD FLOOR PLAN
SLAB REINFORCEMENT DETAIL

NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*SPACING OF DISTRIBUTION BARS FOR NEGATIVE REINFORCEMENT MUST BE KEPT AS #3@12" c/c.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:

PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD

DRAWING:

STR

CHECKED BY:

Z.A

PROJECT NO:

GSK-ANF-02

ISSUE DATE:

JUNE, 2021

REVISION

1.

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DESIGNED BY:

S.A

DRAFTER:

T.Z.R

SCALE:

N.T.S

DRAWING NO:

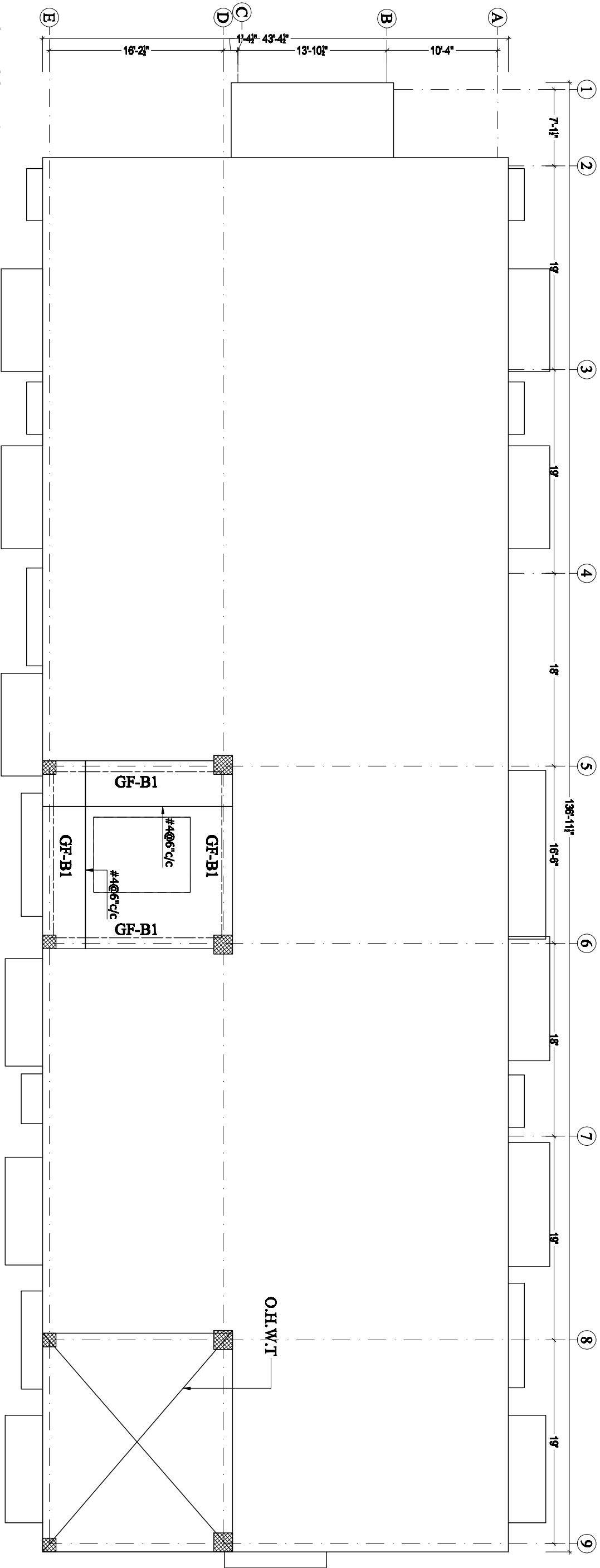
STR-30

FIRM NAME & ADDRESS:




PLANNING - TESTING - DESIGNING & DEVELOPMENT
FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3,
Mehjabeen, Peshawar
Ph: +92-333-612-0110, +92-333-613-8340
Email: gsk.engineerz@gmail.com

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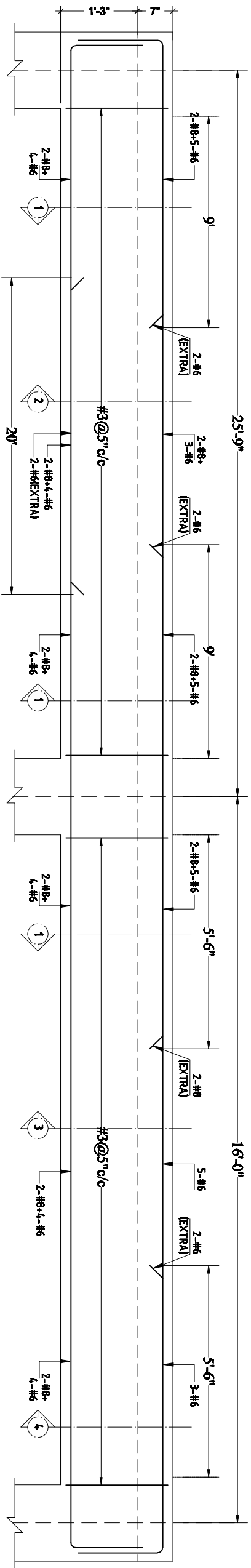


TOP FLOOR PLAN
SLAB REINFORCEMENT DETAIL

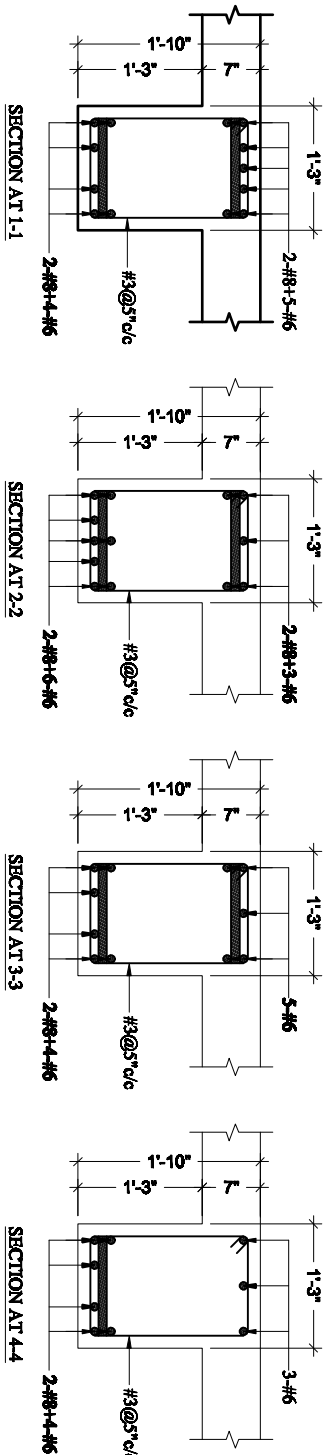
NOTE:
*ALL SLABS ARE 7" THICK EXCEPT MENTIONED.
*STAIRS, RAMPS & OTS/DUCTS WILL BE CONSTRUCTED ACCORDINGLY AS PER ARCHITECT DRAWINGS.

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		FIRM NAME & ADDRESS:	
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK – ANF – 02		JUNE, 2021		 PLANNING - DESIGNING - DEVELOPMENT FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3, Mehrauzon, Pakistan Ph: +92-333-612-6116, +92-33-643-6340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY: S.A		DRAFTER: T.Z.R		SCALE: N.T.S		DRAWING NO: STR – 31			
		1.		2.		3.		4.			

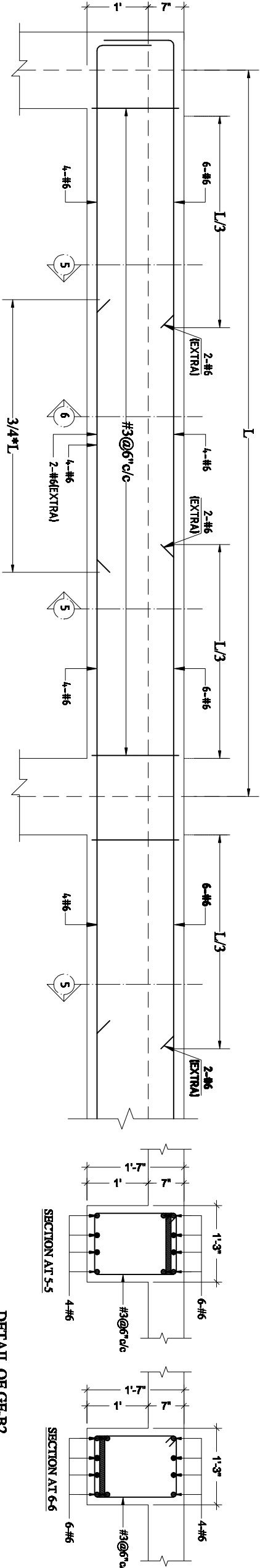
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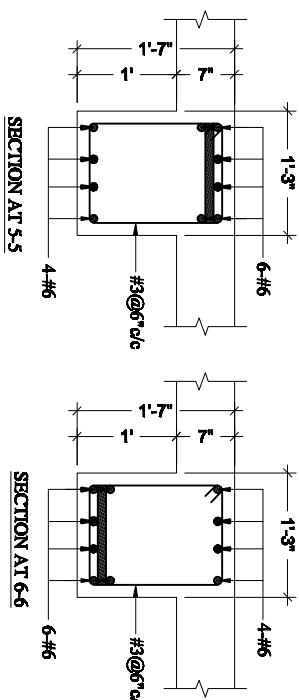
TYPICAL ELEVATION OF GF-B1



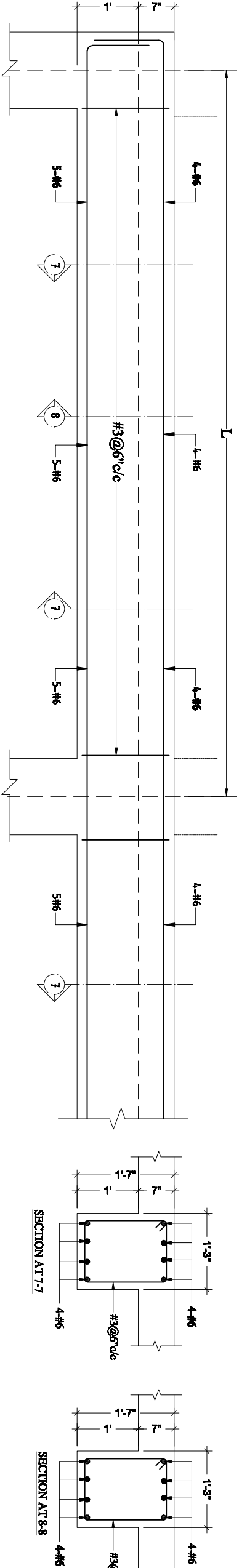
GF-B1 X-SECTION DETAILS



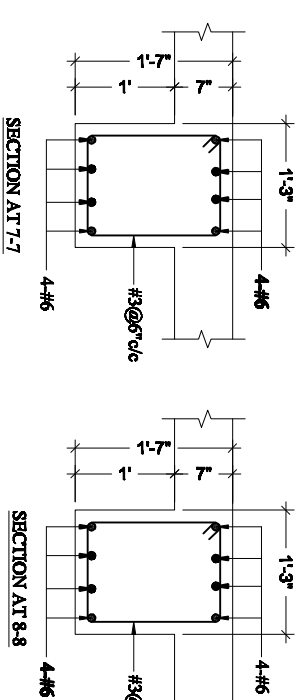
TYPICAL ELEVATION OF GF-B2



DETAIL OF GF-B2



TYPICAL ELEVATION OF GF-B3



DETAIL OF GF-B3

NAME PROJECT:

**PROPOSED DESIGN OF ANF BUILDING
AT ISLAMABAD**

DRAWING:

STR

CHECKED BY:

Z.A

PROJECT NO:

GSK-ANF-02

ISSUE DATE:

JUNE, 2021

REVISION

FIRM NAME & ADDRESS:



PLANNING - DESIGNING - DEVELOPMENT

FLAT NO 205 & 206 2nd Floor, Azad Tower Phase 3,

Mahmoodia, Peshawar

Ph: +92-333-672-0116, +92-333-643-6340

Email: gsk.engineerz@gmail.com

DESIGNED BY:

S.A

DRAFTER:

T.Z.R

SCALE:

N.T.S

DRAWING NO:

STR-32

1.

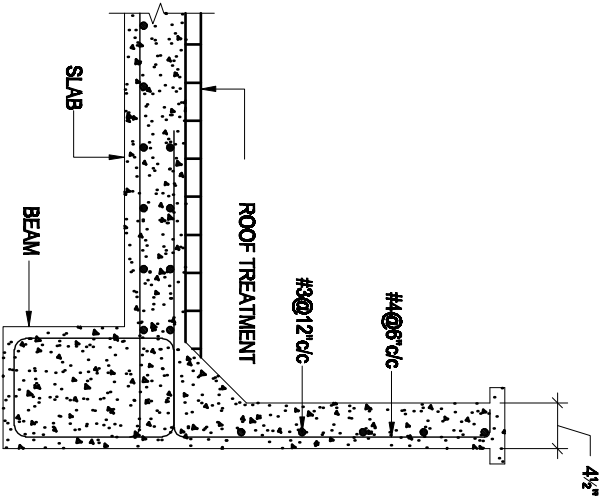
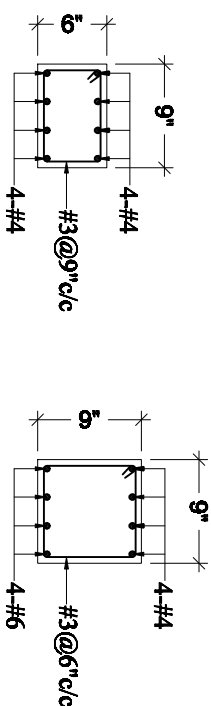
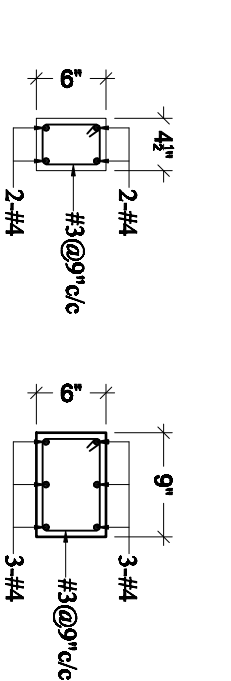
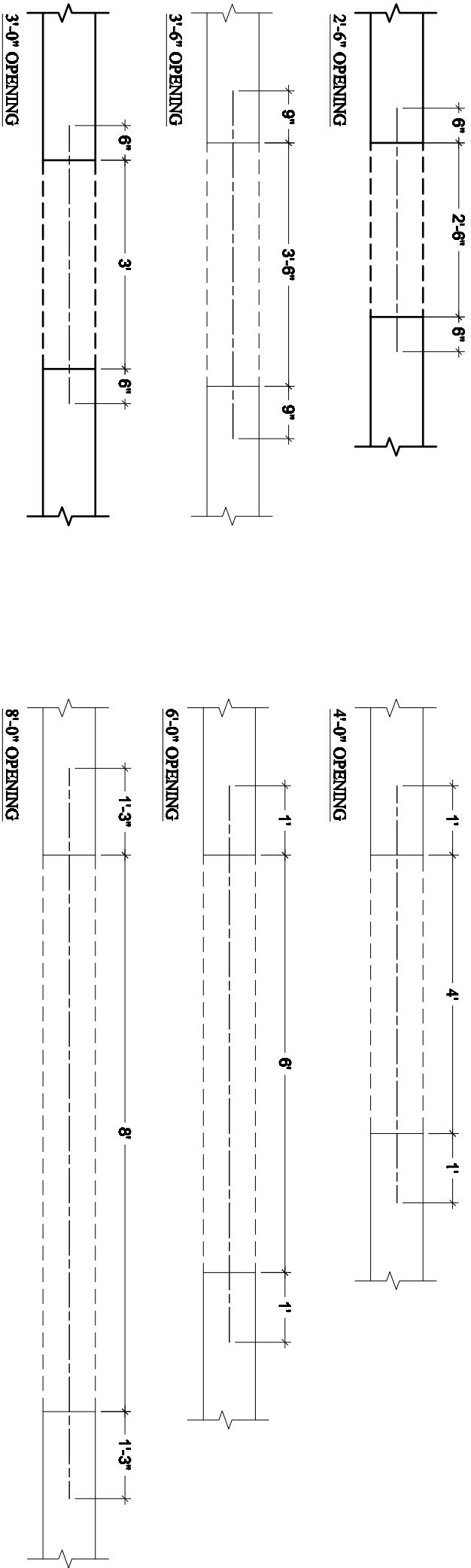
2.

3.


4.

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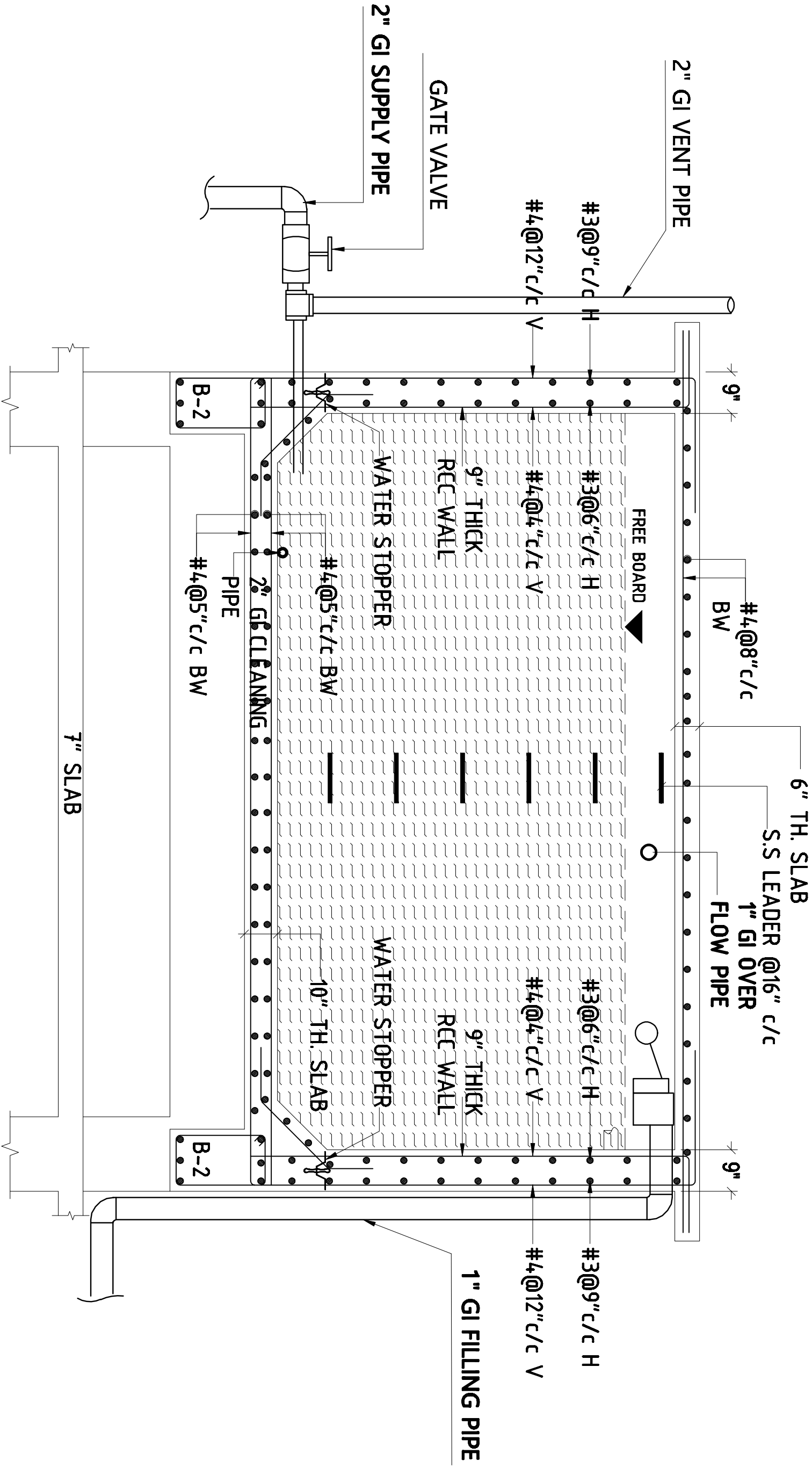
TYPICAL LINTEL BEAM DETAILS



TYPICAL DETAILS OF PARAPET WALL

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		FIRM NAME & ADDRESS:	
<u>PROPOSED DESIGN OF ANF BUILDING</u> <u>AT ISLAMABAD</u>		STR		Z.A		GSK – ANF – 02		JUNE, 2021		1.		 PLANNING - TESTING - DESIGNING & DEVELOPMENT FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3, Math Indusation, Peshawar Ph: +92-333-672-6116, +92-331-643-6340 Email: gsk.engineerz@gmail.com	
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.			
		S.A		T.Z.R		N.T.S		STR – 33		3.			
										4.			

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OHWT REINFORCEMENT DETAIL

NAME PROJECT:		DRAWING:		CHECKED BY:		PROJECT NO:		ISSUE DATE:		REVISION		<div>FSKENGINEERZ</div> <div>PLANNING - TESTING - DESIGNING & DEVELOPMENT</div> <div>FLAT NO.205 & 206 2nd Floor, Azad Tower Phase 3,</div> <div>Math Indraprastha, Patna</div> <div>Ph: +92-333-672-6116, +92-331-643-6340</div> <div>Email: gsk.engineerz@gmail.com</div>
PROPOSED DESIGN OF ANF BUILDING AT ISLAMABAD		STR		Z.A		GSK-ANF-02		JUNE, 2021		1.		
		DESIGNED BY:		DRAFTER:		SCALE:		DRAWING NO:		2.		
		S.A		T.Z.R		N.T.S		STR-34		3.		
										4.		

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