

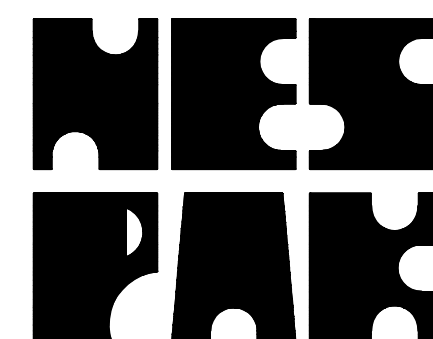


UNITED NATIONS HIGH COMMISSIONER  
FOR REFUGEES (UNHCR)

# CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU

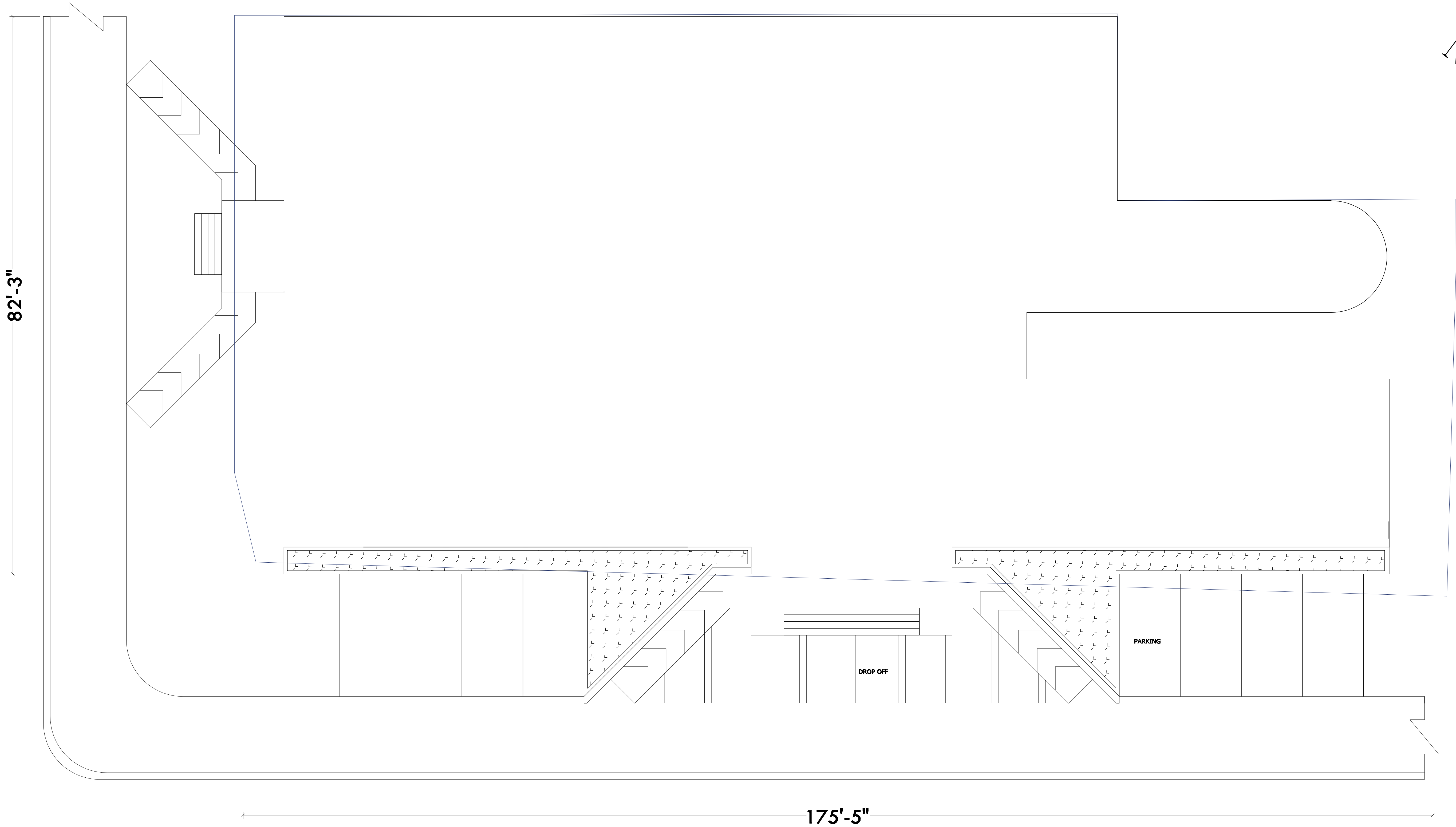
## DRAWINGS

NOVEMBER, 2022




NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED  
NESPAK HOUSE, Sector-G, 5/2, P. O. Box 2461, Islamabad  
PHONE : (0092 51) 9221910-13 - Fax : (0092 51) 9221914  
E-mail: nespak@cyber.net.pk Website: www.nespak.com.pk

Clearance Code	4199/321/M/194(22)	Doc No.	4199-03	Rev No.	0
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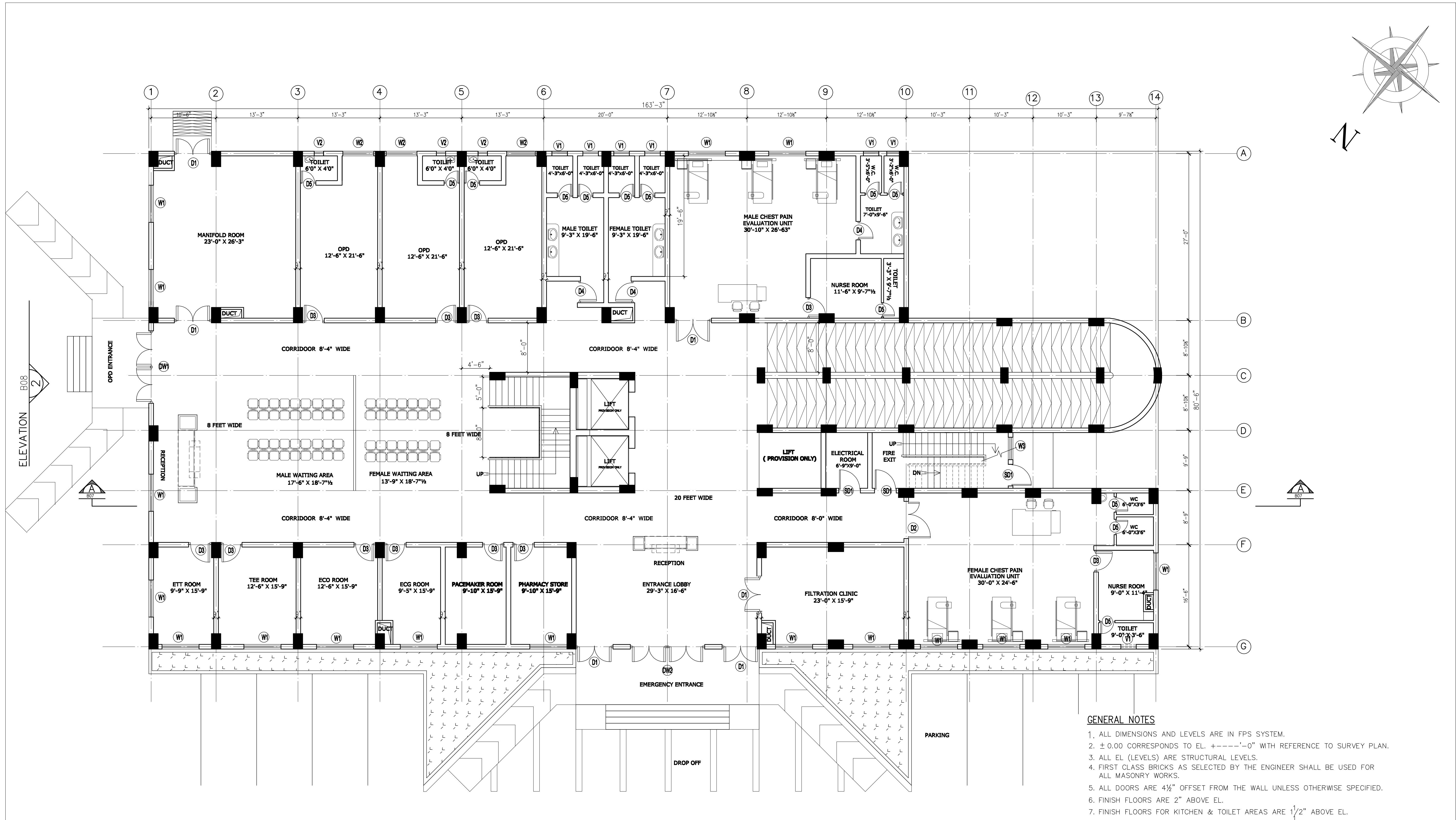
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES

CONSTRUCTION OF CCU BLOCK AT DISTRICT  
HEADQUARTER HOSPITAL, BANNU  
SITE PLAN

 **NATIONAL ENGINEERING SERVICES  
PAKISTAN (PVT.) LTD. ISLAMABAD**

DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJIHA REHAN	WAJIHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJIHA REHAN	NOV., 2022	4199/322/BD/01B01	0

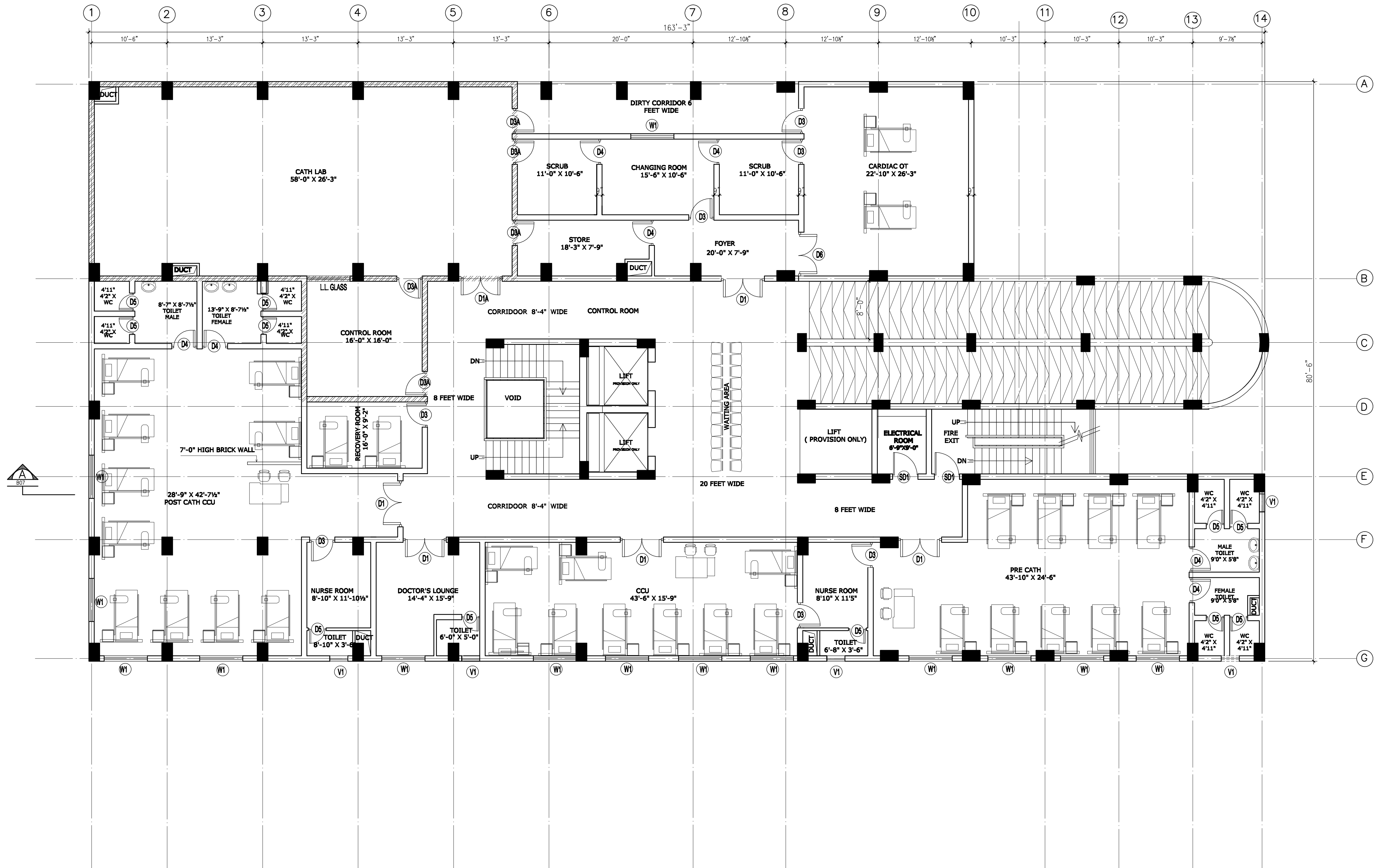
REFERENCE DRAWINGS	REV. NO.	DATE		CKD.	APPR.



ELEVATION 1  
B07

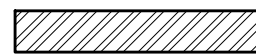
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU GROUND FLOOR PLAN			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJHA REHAN	WAJHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJHA REHAN	NOV., 2022	4199/322/BD/01B02	0

ELEVATION B08 2



ELEVATION 1 B07

LEGEND



LEAD LINING WALLS.

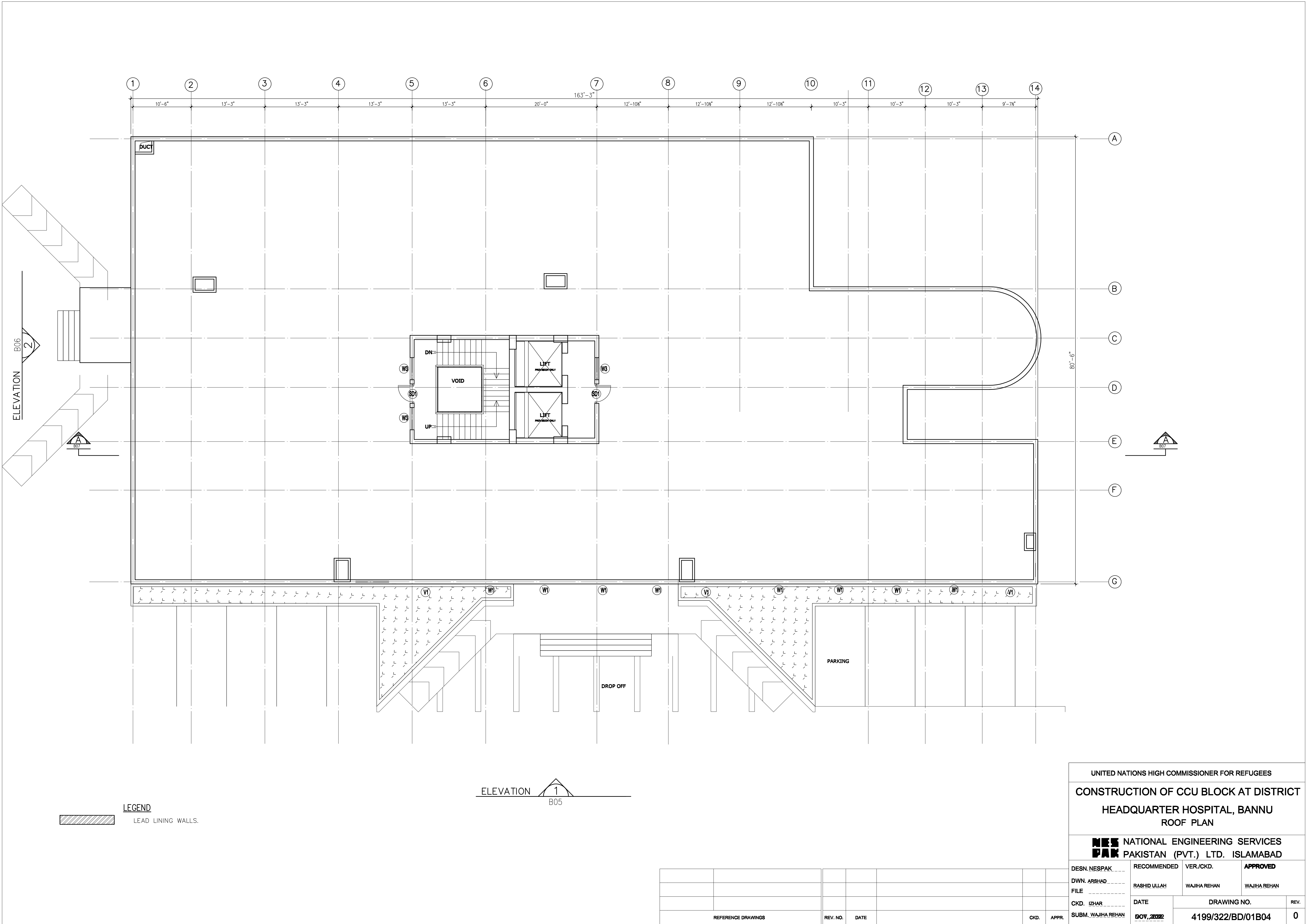
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES  
CONSTRUCTION OF CCU BLOCK AT DISTRICT  
HEADQUARTER HOSPITAL, BANNU  
FIRST FLOOR PLAN

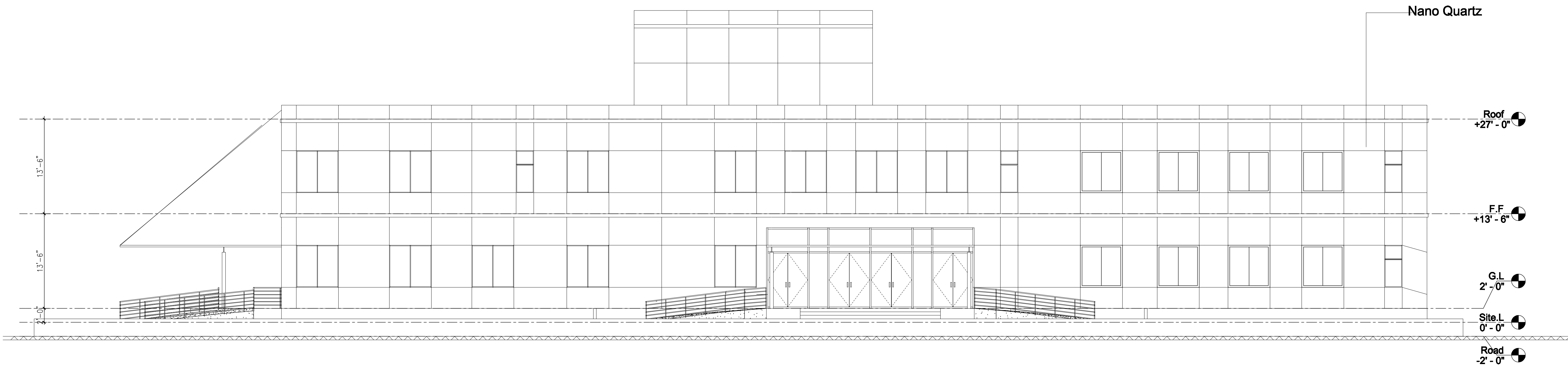
**NES** NATIONAL ENGINEERING SERVICES  
**PAK** PAKISTAN (PVT.) LTD. ISLAMABAD

DESIGNER: NESPAK	RECOMMENDED	VER/CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJHA REHAN	WAJHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJHA REHAN	NOV., 2022	4199/322/BD/01B03	0

REFERENCE DRAWINGS	REV. NO.	DATE	CKD.	APPR.



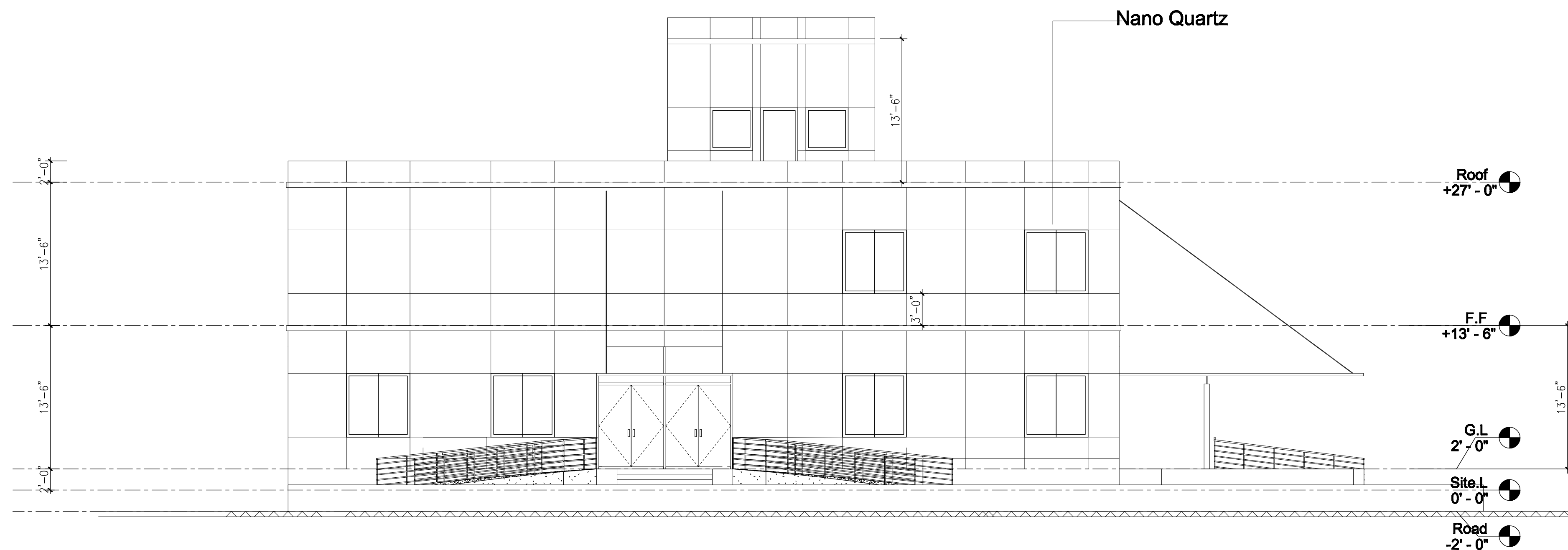




ELEVATION 1  
B02,3,4

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU ELEVATION -1			
<div><div></div><div>NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD</div></div>			
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJIHA REHAN	WAJIHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJIHA REHAN	NOV., 2022	4199/322/BD/01B05	0

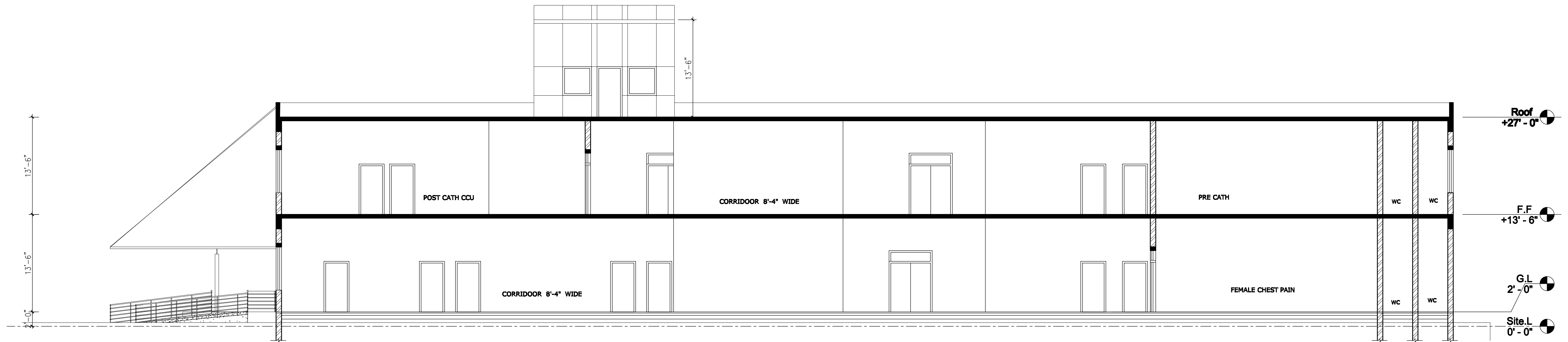
REFERENCE DRAWINGS	REV. NO.	DATE		CKD.	APPR.



SECTION 2  
B02,3,4

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU ELEVATION -2			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJIHA REHAN	WAJIHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJIHA REHAN	NOV., 2022	4199/322/BD/01B06	0

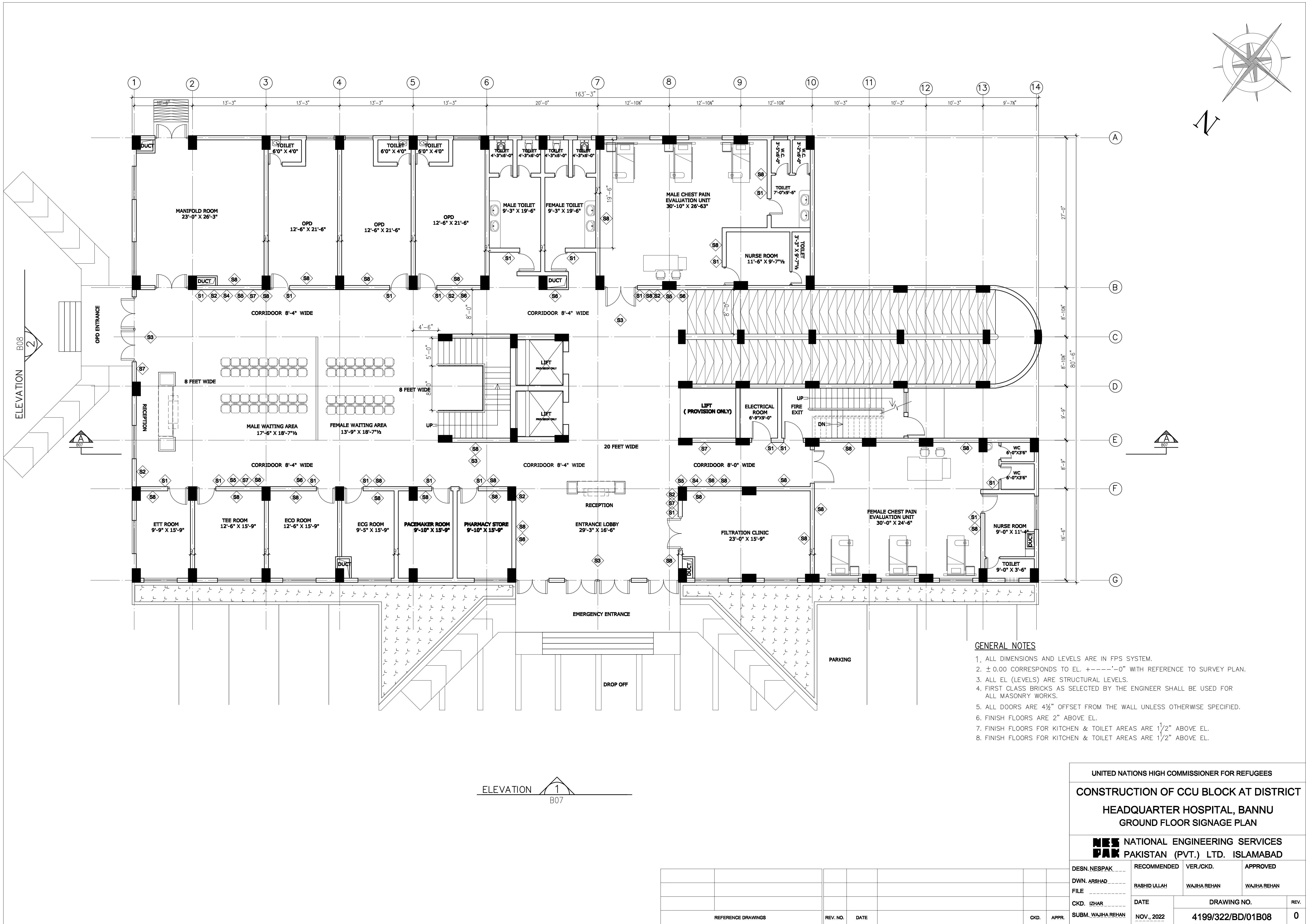
REFERENCE DRAWINGS	REV. NO.	DATE			CKD.	APPR.	



SECTION A  
802,3,4

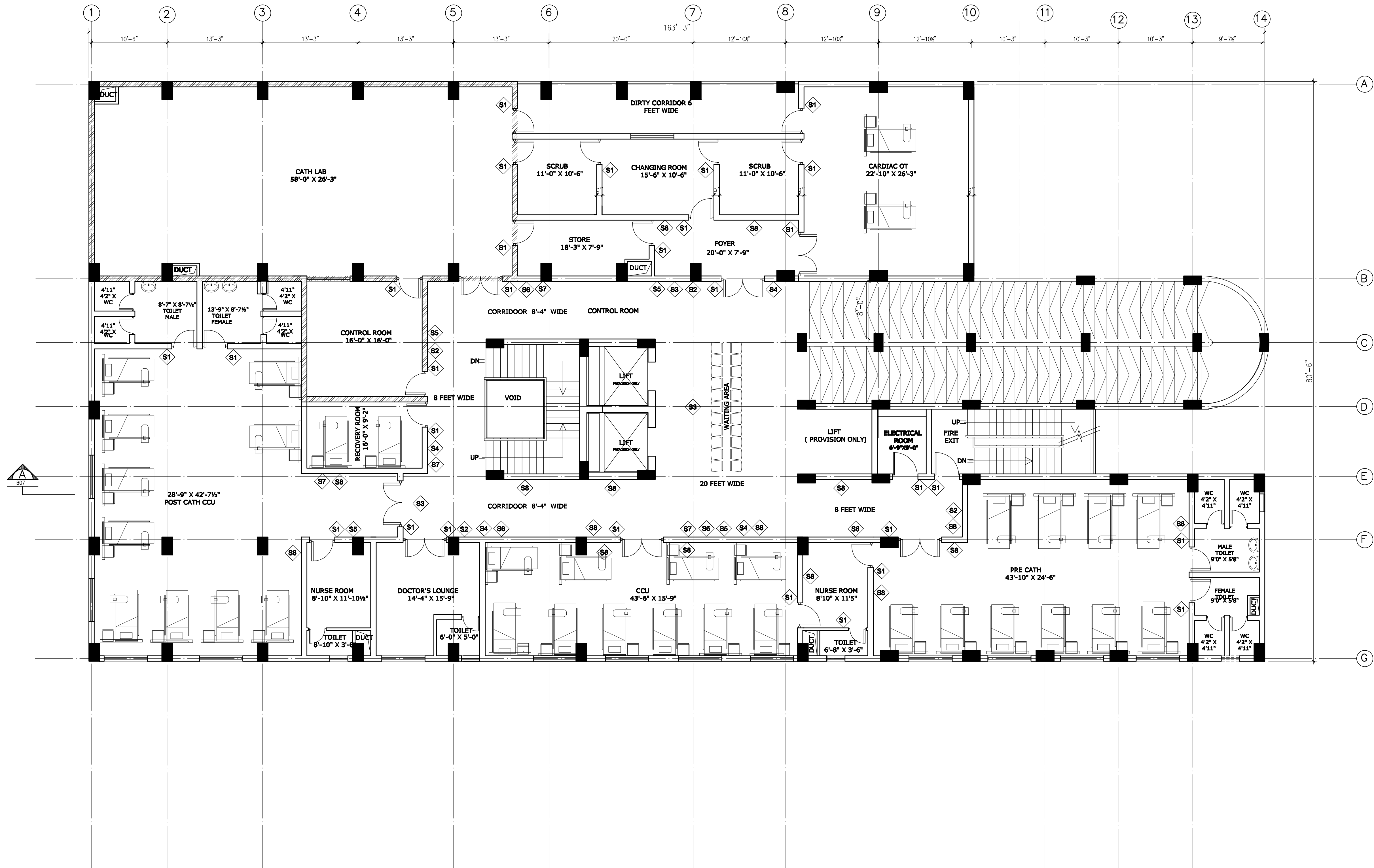
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU SECTION -A			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESIGNER: NESPAK	RECOMMENDED	VER/CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJIHA REHAN	WAJIHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJIHA REHAN	NOV., 2022	4199/322/BD/01B07	0

REFERENCE DRAWINGS		REV. NO.	DATE			CKD.	APPR.		



UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT			
HEADQUARTER HOSPITAL, BANNU			
GROUND FLOOR SIGNAGE PLAN			
NES NATIONAL ENGINEERING SERVICES			
PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJHA REHAN	WAJHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJHA REHAN	NOV., 2022	4199/322/BD/01B08	0

ELEVATION B08 2



LEGEND  
LEAD LINING WALLS.

ELEVATION 1  
B07

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU FIRST FLOOR SIGNAGE PLAN			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESIGNER: NESPAK	RECOMMENDED	VER/CHKD.	APPROVED
DWN. ARSHAD	RASHID ULLAH	WAJHA REHAN	WAJHA REHAN
FILE			
CKD. IZHAR	DATE	DRAWING NO.	REV.
SUBM. WAJHA REHAN	NOV., 2022	4199/322/BD/01B09	0

REFERENCE DRAWINGS	REV. NO.	DATE	CKD.	APPR.



GENERAL

- 1- READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL & ANY OTHER RELEVANT DRAWING.
- 2- NOTES GIVEN IN THIS DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHERWISE. NOTES WRITTEN ON A DRAWING SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY UNLESS OTHERWISE CROSS-REFERRED.
- 3- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATIONS , ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO RELEVANT BRITISH/ACI CODES AND SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- 4- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURES DURING CONSTRUCTION. HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.
- 5- THE CONTRACTOR SHALL CO-ORDINATE WITH ARCHITECTURAL AND VARIOUS SERVICES DRAWINGS FOR SIZES & LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.
- 6- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF DEWATERING SYSTEM WHERE SO REQUIRED DURING CONSTRUCTION.
- 7- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT IN ALL BUILDINGS/ STRUCTURES.
- 8- ALL LEVELS AND DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE NOTED.
- 9- DO NOT SCALE THE DRAWINGS, DIMENSIONS GIVEN ON THE DRAWING SHALL GOVERN.
- 10- ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE BRITISH STANDARD SPECIFICATIONS.

FOUNDATION

- 1-THE DESIGN OF FOUNDATION IS BASED ON THE PARAMETERS LAID IN GEOTECHNICAL INVESTIGATION REPORT.
- 2-FOOTINGS OF COLUMNS & WALLS, FOR ALL STRUCTURES, SHALL BE PLACED ON COMPETENT BEARING STRATA. IF ACCEPTABLE BEARING STRATA IS NOT FOUND AT INDICATED DEPTHS OF FOUNDATION, THE ENGINEER SHALL BE NOTIFIED IN WRITING FOR HIS INSTRUCTION.

REINF. CONCRETE WORKS

- 1-ALL STRUCTURAL CONCRETE SHALL CONFORM TO AMERICAN STANDARD AS PER FOLLOWING TABLE.

CLASS/RATIO	NOMINAL MIX RATIO	MIN. CYLINDER STRENGTH AT 28 DAYS (PSI)
A3	–	4,000
A1	–	3,000
C	1:2:4	2,400
D	1:3:6	1,500
E	1:4:8	1,200

REINFORCING STEEL WORKS

- 1- ALL REINFORCEMENT SHALL BE DEFORMED, HOT ROLLED BILLET STEEL BARS CONFORMING TO ASTM A-615 GRADE 60 /ASTM A-706 WITH SPECIFIED YIELD STRENGTH OF NOT LESS THEN 60,000 PSI.
- ALL DETAILING SHALL BE DONE AS PER ACI-315 AND ACI-318, CHAPTER 21. IN THE STRUCTURAL DRAWINGS, THE TEXTS WITH PREFIX "#" SHOWS REINFORCEMENT, WHEREAS NUMBER INDICATES THE BAR DIAMETER/SIZE, AS UNDER:

BAR NO.	DIA SIZE (INCHES)
3	3/8
4	1/2
5	5/8
6	3/4
8	1

- 2- CONCRETE TYPE SHALL BE AS FOLLOWS

STRUCTURAL ELEMENT	COVER (INCHES)
FOOTINGS	2
BEAMS	1 1/2
COLUMNS / WALLS	1 1/2
SLABS	3/4
SLABS (WATER TANKS)	2

- 5- ALL REINF. STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND HELD FIRMLY IN PLACE BEFORE & DURING THE PLACING OF CONCRETE BY MEANS OF WIRE AND SUPPORTS ADEQUATE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION.

CONCRETE CONSTRUCTION

- 1- ALL STRUCTURAL SURFACES, AGAINST WHICH EARTH IS TO BE FILLED, SHALL BE COATED WITH TWO COATS OF HOT BITUMEN OF 10/20 GRADE AT THE RATE OF 1.0 Kg/sqm EACH COAT.
- 2- THE CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEDULE FOR ENGINEER'S APPROVAL. NO CONCRETE SHALL BE PLACED UNTIL WRITTEN PERMISSION IS GIVEN BY THE ENGINEER.
- 3- DURING CONSTRUCTION, STACKING OF CONSTRUCTION MATERIALS, BRICKS, etc. SHOULD BE AVOIDED ON SLAB PANELS.
- 4- BEFORE CASTING OF ANY STRUCTURAL MEMBER, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS OR OPENINGS FOR ELECTRICAL, MECHANICAL, HVAC, PLUMBING, STRUCTURAL STEEL AND OTHER WORKS ARE PROPERLY LOCATED IN PLACE.

STRUCTURAL STEEL

- 1- ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.
- 2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT.
- 3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E60XX
- 4- ALL BOLTS SHALL CONFORM TO ASTM A307 .
- 5- SURFACE PREPARATION OF ALL STRUCTURAL STEEL FOR PAINTING SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF "STEEL STRUCTURES PAINTING COUNCIL " SPECIFICATIONS SSPC-SP6 FOR COMMERCIAL BLAST CLEANING.
- 6- ALL STEEL SHALL BE SHOP PAINTED WITH TWO COATS OF RED LEAD OXIDE PRIMER AND TWO COATS OF SYNTHETIC ENAMEL OF APPROVED COLOR IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION. LAST COAT SHALL BE APPLIED AFTER ERECTION. STEEL SURFACE IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.

CONSTRUCTION JOINTS

- 1- JOINTS, NOT SHOWN ON THE DRAWING, SHALL BE SO MADE AND LOCATED AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL NEED PRIOR APPROVAL OF THE ENGINEER. THEY SHALL BE LOCATED NEAR THE MIDDLE OF THE SPANS OF SLAB & BEAMS. JOINT IN WALLS & COLUMNS SHALL BE AT THE UNDER- SIDE OF FLOORS, SLABS OR BEAMS AND AT THE TOP OF FOOTINGS OR FLOOR SLABS
- 2- JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED ACROSS JOINTS.
- 3- JOINTS IN THE BASEMENT FLOOR SLAB & WALLS, IN ADDITION TO THOSE SHOWN ON THE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR. BEAMS & BRACKETS SHALL BE PLACED AT THE SAME TIME AS SLABS.

ELECTRICAL CONDUITS

- 1- CONDUITS, FOR ELECTRICAL WORKS, SHALL BE PLACED WITHIN THE REINFORCED CONCRETE. THEY SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE SECTION IN BEAMS & SLABS AND WITHIN THE MIDDLE HALF OF THE THICKNESS. SPACING BETWEEN PARALLEL CONDUITS SHALL NOT BE LESS THAN 6 INCHES.

SHORING & BRACING

- 1- SHORE & BRACE ALL PARTS OF THE BUILDING & EXCAVATION DURING CONSTRUCTION, TO THE EXTENT NECESSARY TO ENSURE COMPLETE SAFETY, STRENGTH & SERVICEABILITY OF ALL STRUCTURAL ELEMENTS UNDER ALL CONDITIONS OF LOADS WHICH MAY OCCUR DURING CONSTRUCTION. SUCH SHORING & BRACING IS THE CONTRACTOR'S SOLE RESPONSIBILITY AND IS NOT SHOWN ON STRUCTURAL DRAWINGS OR SPECIFIED IN THE PROJECT CONTRACT DOCUMENT.

SPLICE LENGTH (LS) \*

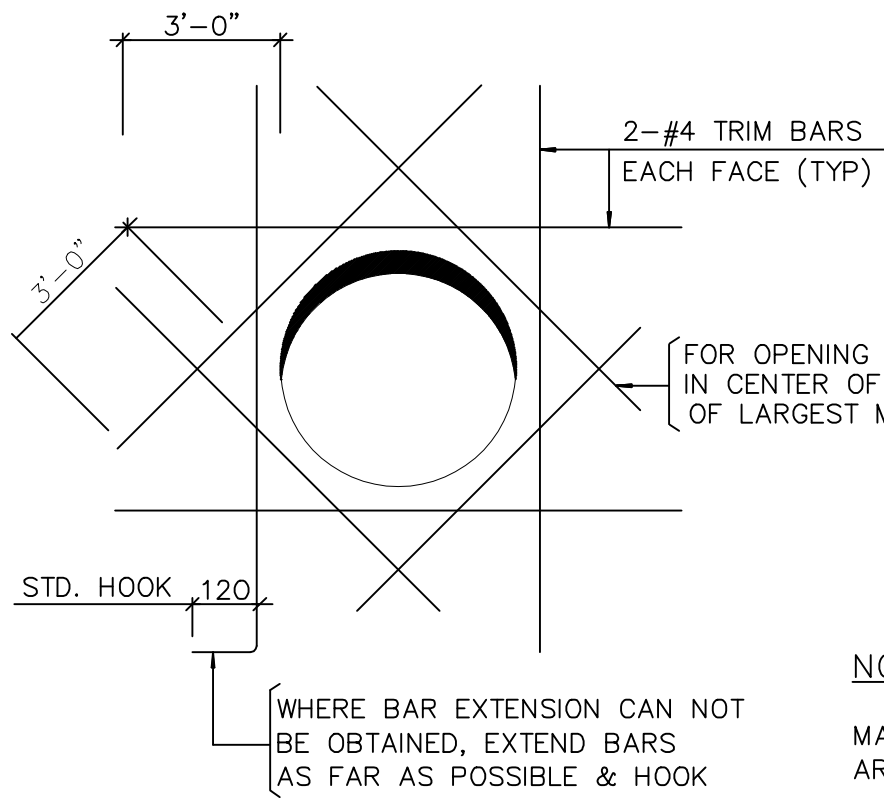
CONC. CLASS A1		
BAR SIZES.	(LS1) TOP BARS	(LS2) OTHER BARS
#3 TO #6	57db	44db
#7 TO #18	72db	55db

CONC. CLASS A3		
BAR SIZES.	(LS1) TOP BARS	(LS2) OTHER BARS
#3 TO #6	50db	48db
#7 TO #18	62db	48db

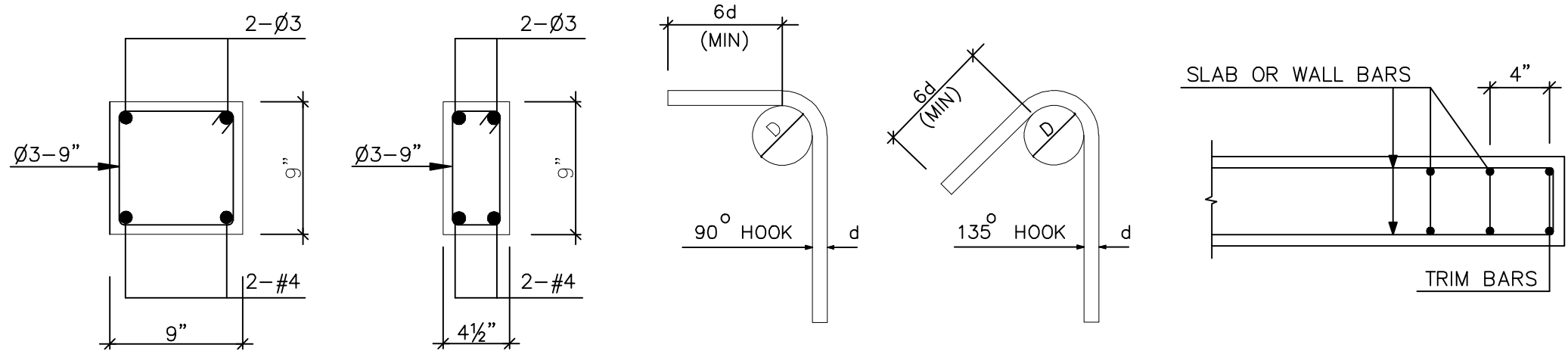
\* ALL LAP SPLICE SHALL BE STAGGARED BY AT LEAST 50 %

DEVELOPMENT LENGTH (LD)

LD = LS



REINFORCEMENT AROUND SLEEVE IN SLAB & WALLS (TYP)



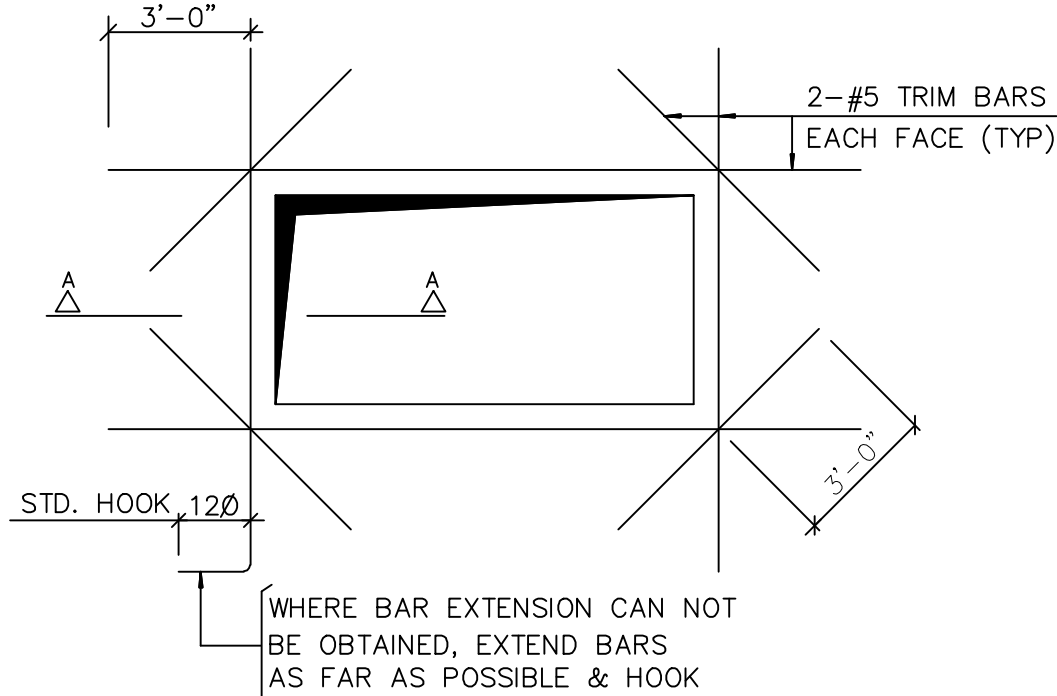
(UP TO 5'-0" CLEAR SPAN )  
TYPICAL DETAIL OF REINFORCING

STIRRUPS AND TIE HOOKS

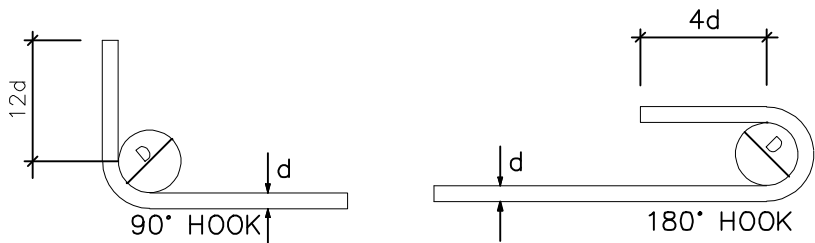
SECTION A-A

NOTES

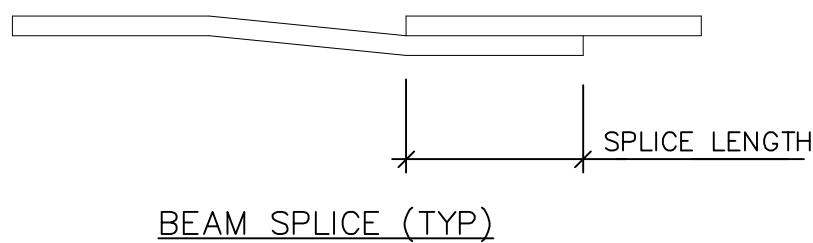
- FOR OPENING WITH MAXIMUM DIMENSION OVER 5'-0", REFER TO OTHER DETAILS.
- USE THIS DETAIL IF NOT SHOWN IN DESIGN DRAWINGS.



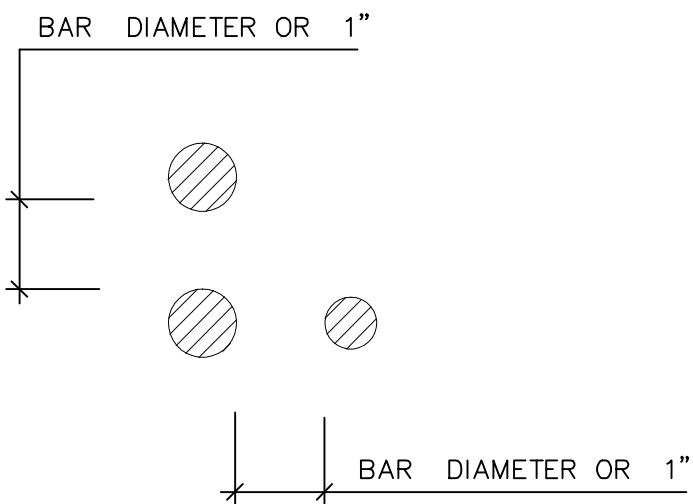
REINFORCEMENT DETAIL AT OPENING IN SLAB & WALLS (TYP)



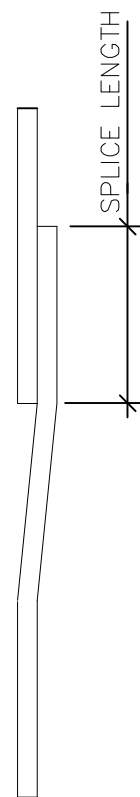
STANDARD BAR HOOKS



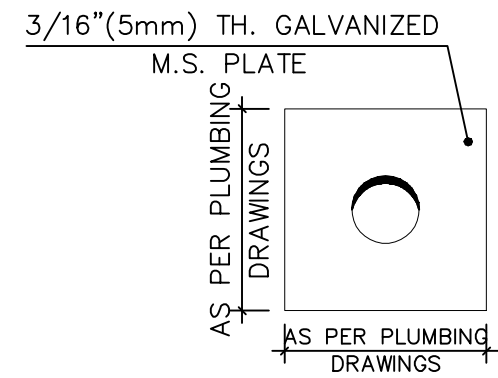
BEAM SPLICE (TYP)



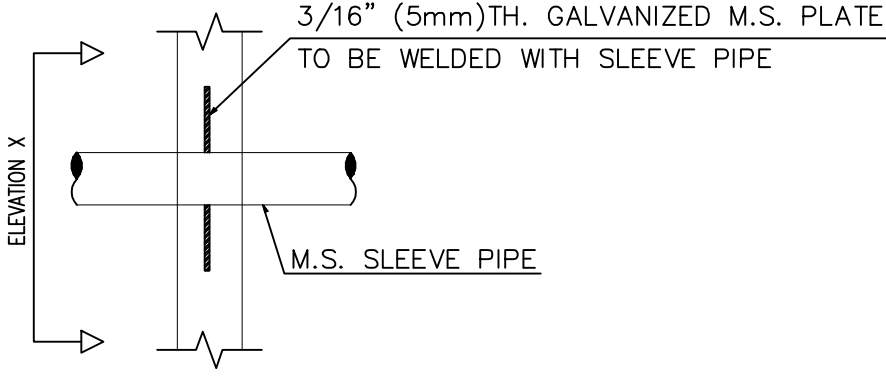
BAR SPACING IN BEAM



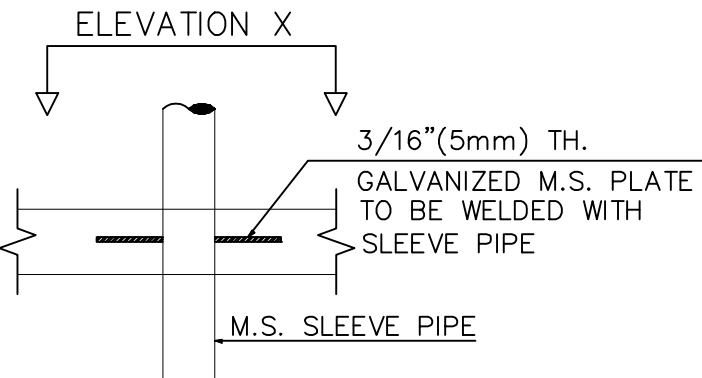
COLUMN SPLICE (TYP)



ELEVATION X OF PLATE  
& SLEEVE PIPE



X-SECTION OF WALL

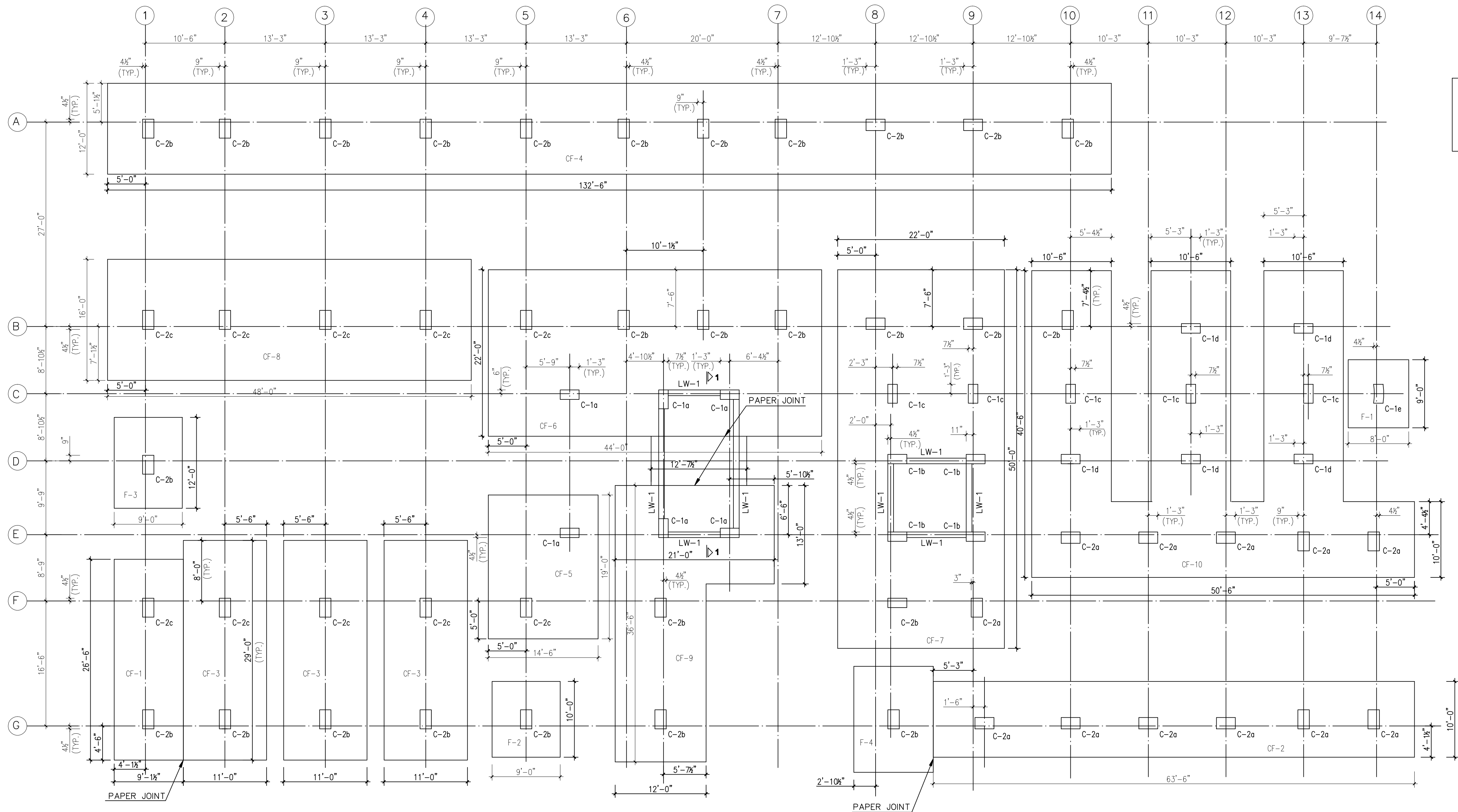


X-SECTION OF SLAB  
DETAIL OF SLEEVE IN SLAB & WALLS

NOTE

FOR GUIDE LINES FOR SLEEVE OPENINGS  
REFER RELEVANT PLUMBING DRAWINGS

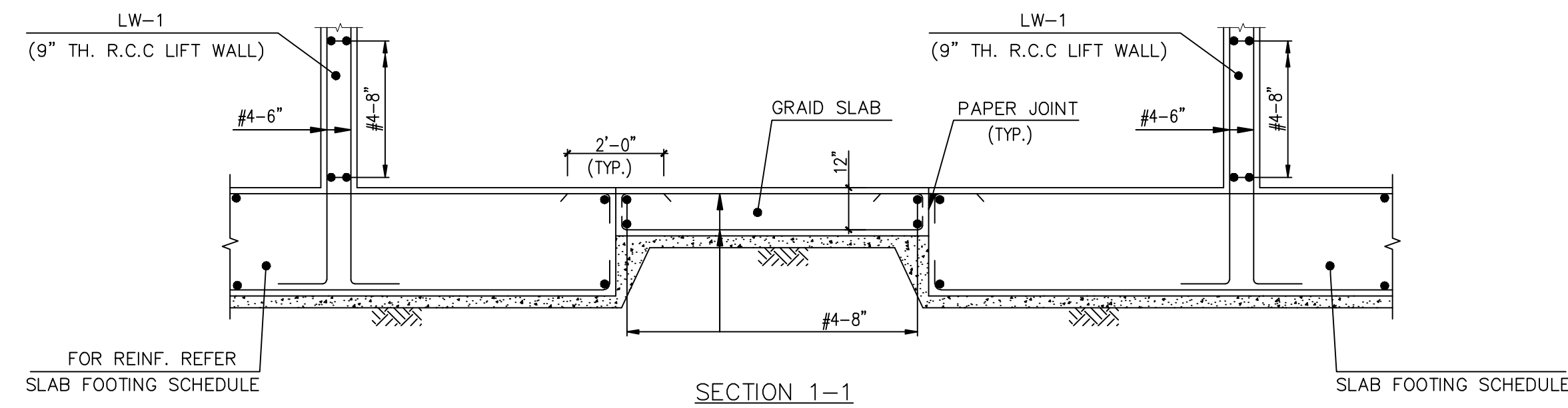
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
GENERAL NOTES & TYPICAL DETAILS					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAJIB RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G01		0	
SUBM. HINA MUMTAZ					



**SPECIAL NOTES:**  
THE PROPOSED STRUCTURE HAS BEEN DESIGNED FOR TWO EXTRA STOREYS AS A FUTURE PROVISION.

FOUNDATION AND COLUMN LAYOUT PLAN

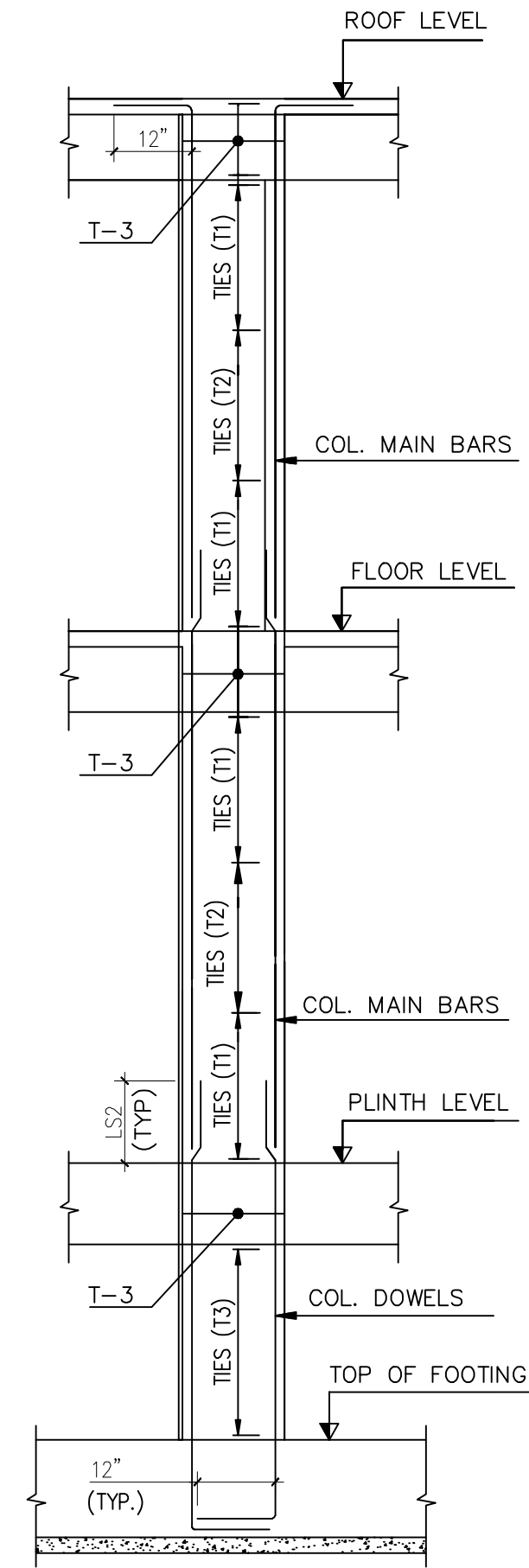
- NOTES:**
- FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  - READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  - ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.



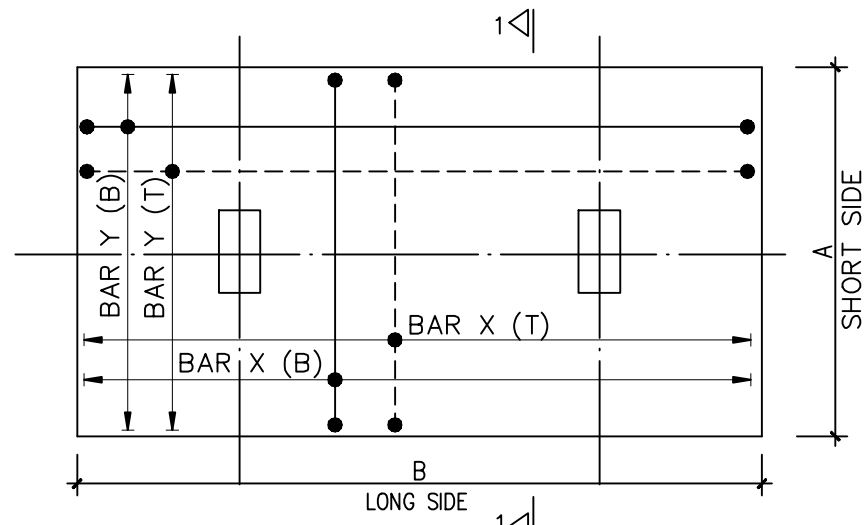
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FOUNDATION AND COLUMN LAYOUT PLAN (SHEET 1 OF 2)					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G02		0	
SUBM. HINA MUMTAZ					

C O L U M N   S C H E D U L E									
ELEVATION		MARK	C-1a	C-1b	C-1c	C-1d	C-1e	C-2a	C-2b
FROM EL.+27'-6"					-	-	-	-	-
TO EL.+41'-0"									
FROM EL.+13'-6"									
TO EL.+27'-0"									
FROM EL.±0'-0"									
TO EL.+13'-6"									
FROM TOP OF FOOTING									
TO EL.±0'-0"									
TIES	T1		6-3xØ3-6"	6-4xØ3-6"	6-4xØ3-6"	6-3xØ3-6"	6-4xØ3-6"	6-4xØ3-6"	6-4xØ3-6"
	T2		3xØ3-10"	4xØ3-10"	4xØ3-10"	3xØ3-10"	4xØ3-10"	4xØ3-10"	4xØ3-10"
	T3		3xØ3-6"	4xØ3-6"	4xØ3-6"	3xØ3-6"	4xØ3-6"	4xØ3-6"	4xØ3-6"

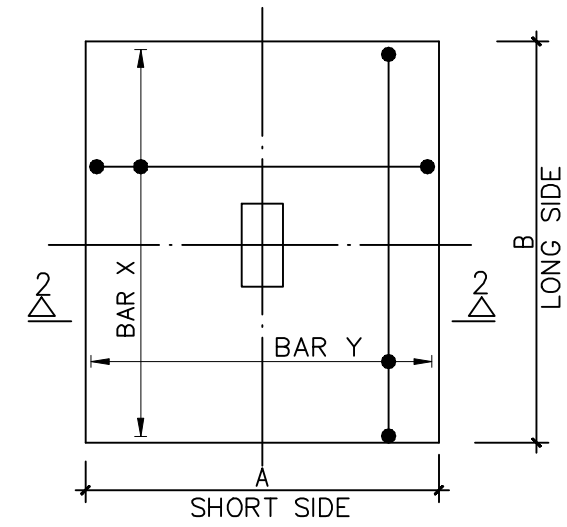
F O O T I N G   S C H E D U L E								
FOOTING MARK	S I Z E			R E I N F O R C E M E N T   P A R A L L E L   T O				R E M A R K S
	A	B	C	SHORT BOTTOM	LONG BOTTOM	SHORT TOP	LONG TOP	
F-1	8'-0"	9'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-2	9'-0"	10'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-3	9'-0"	12'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-4	10'-6"	14'-0"	27"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
CF-1	9'-0"	26'-6"	24"	#5-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-2	10'-0"	63'-6"	24"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-3	11'-0"	29'-0"	27"	#5-4"	#6-4"	#4-4"	#5-4"	COMBINED FOOTING
CF-4	12'-0"	132'-6"	24"	#6-4"	#5-4"	#4-8"	#4-4"	COMBINED FOOTING
CF-5	14'-6"	19'-0"	24"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-6	22'-0"	44'-0"	27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-7	22'-0"	50'-0"	27"	#6-4"	#6-4"	#4-4"	#5-4"	COMBINED FOOTING
CF-8	16'-0"	48'-0"	27"	#8-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-9	SEE PLAN		27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-10	SEE PLAN		27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING



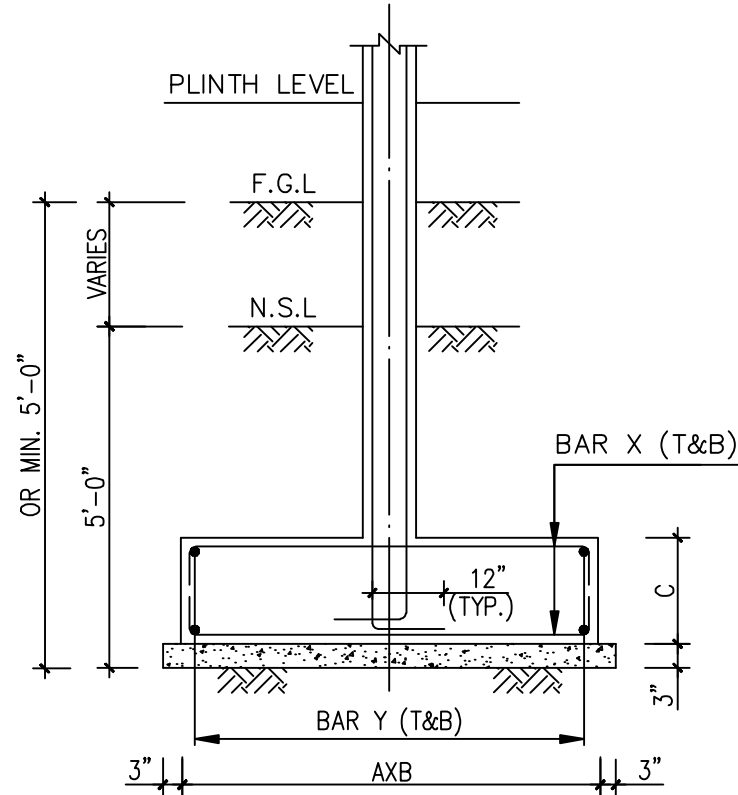
TYPICAL COLUMN ELEVATION



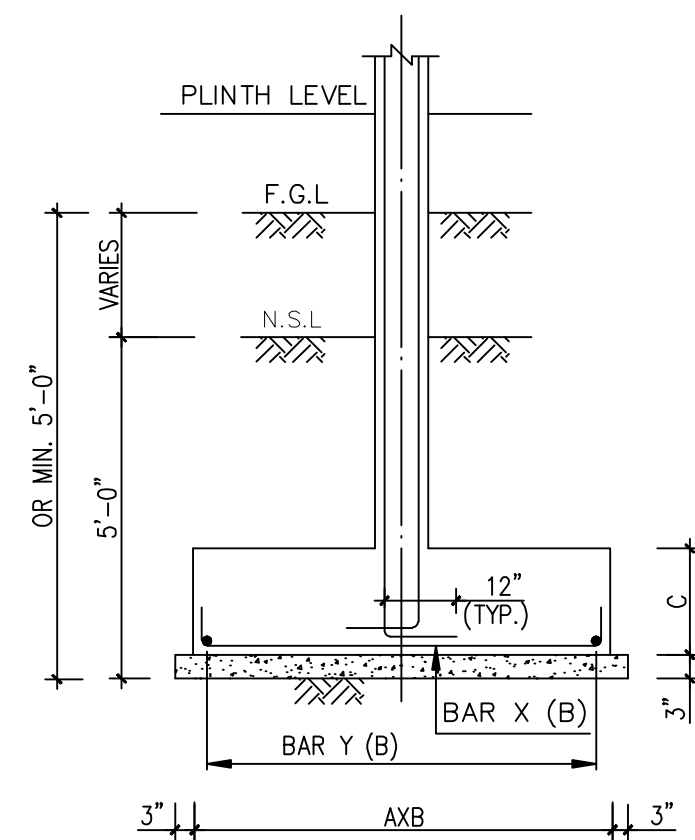
PLAN OF COMBINED FOOTING



PLAN OF ISOLATED FOOTING



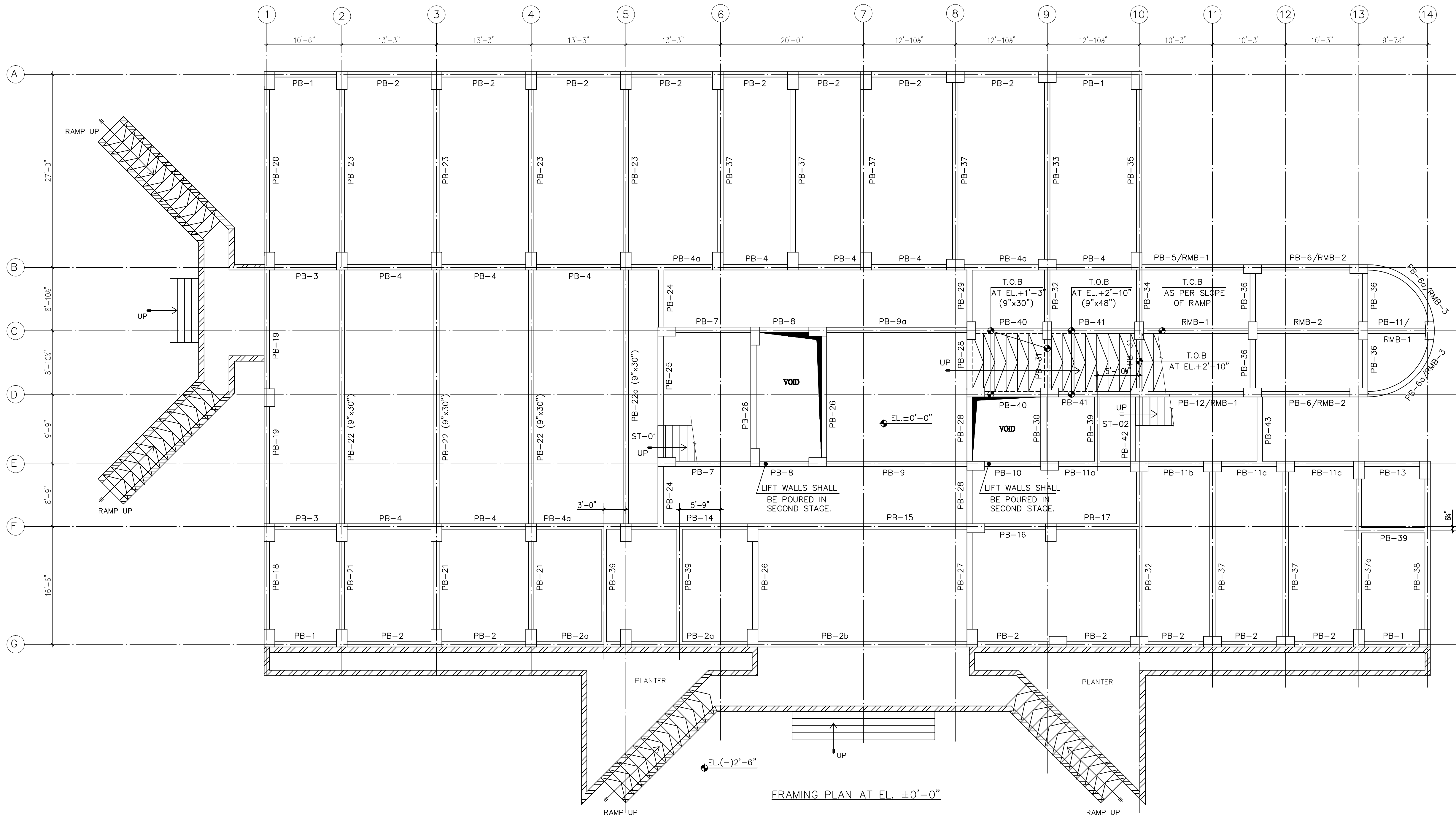
SECTION OF COMBINED FOOTING (TYP)  
SECTION 1-1



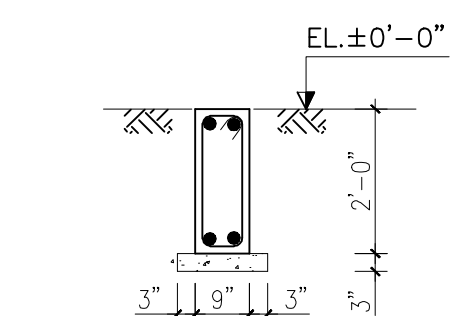
SECTION OF ISOLATED FOOTING (TYP)  
SECTION 2-2

- NOTES:
1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
  4. FOR FINAL ELEVATION OF COLUMNS REFER RESPECTIVE FRAMING PLANS IN ADDITION TO COLUMN SCHEDULE.

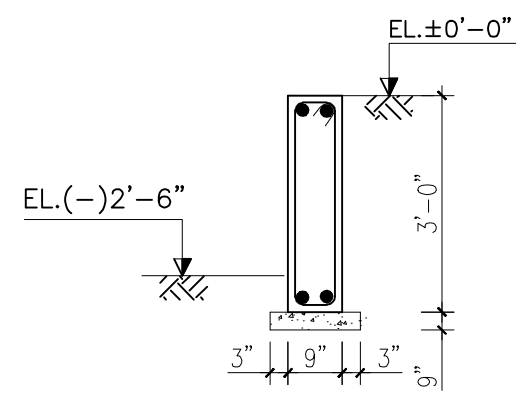
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
COLUMN SCHEDULE & FOOTING SCHEDULE					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESIGN. NESPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD AMBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CHKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G03		0	
SUBM. HINA MUMTAZ					



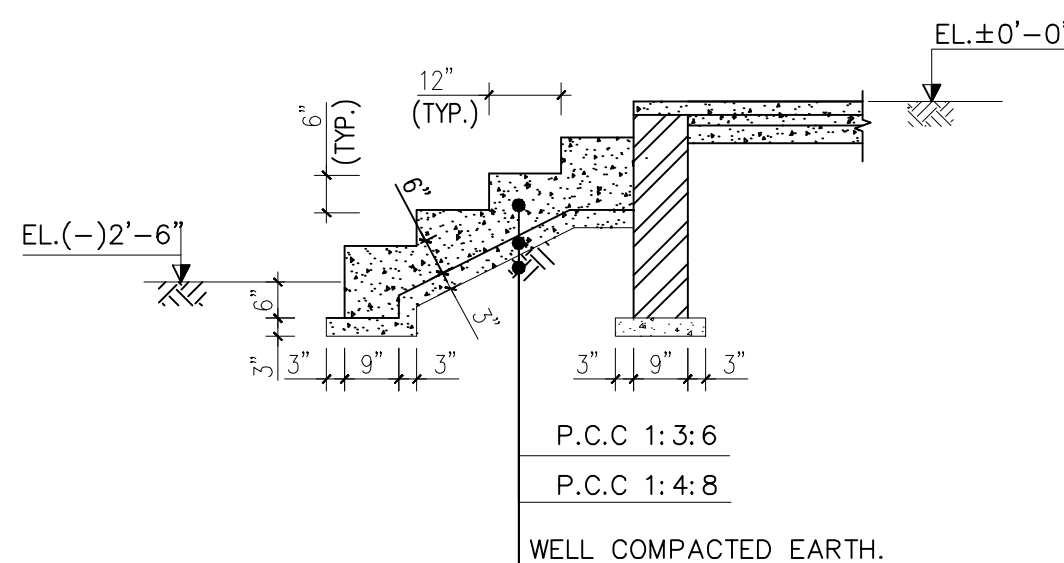
FRAMING PLAN AT EL. ±0'-0"



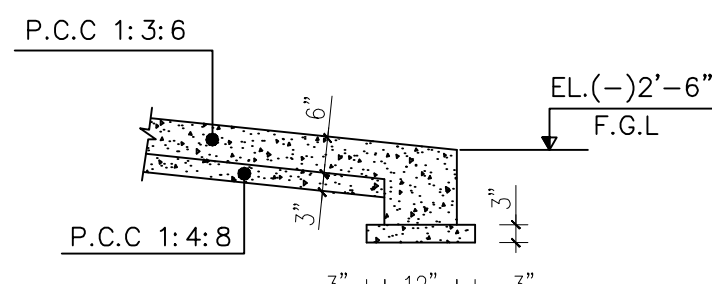
TYP. SECTION OF  
INTERNAL PLINTH BEAM



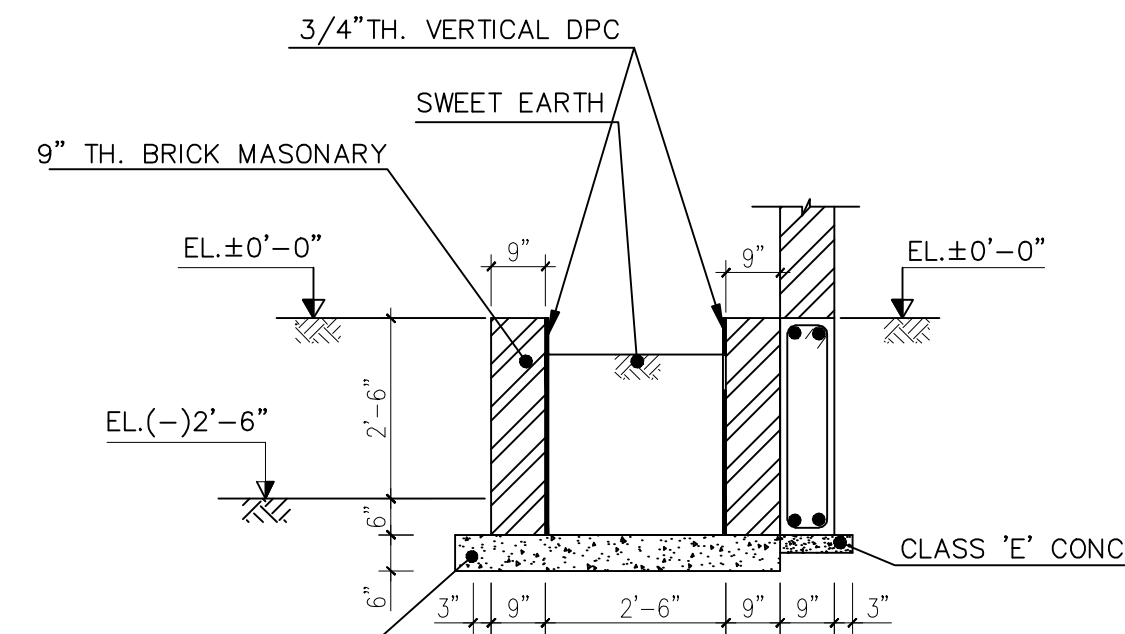
TYP. SECTION OF  
EXTERNAL PLINTH BEAM



TYP. SECTION OF STEPS



TYP. SECTION OF RAMP



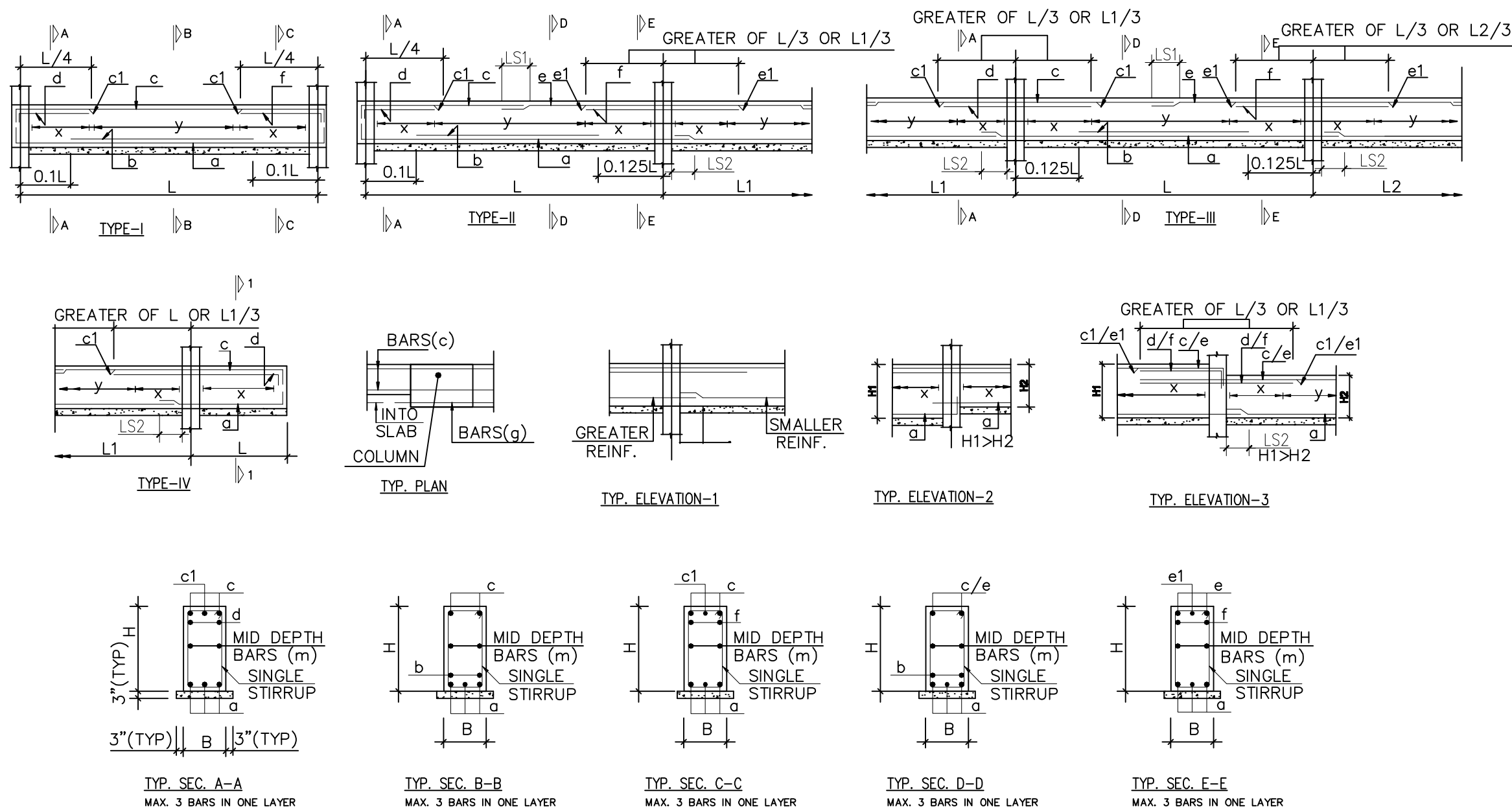
TYP. SECTION OF PLANTER

NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL EXTERNAL PLINTH BEAMS 9"x36" EXCEPT NOTED OTHERWISE.
5. ALL INTERNAL PLINTH BEAM 9"x24" EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. ±0'-0"					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G04		0	
SUBM. HINA MUMTAZ					

P L I N T H       B E A M       S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L       R E I N F O R C E M E N T									S T I R R U P S		R E M A R K S	
			a	b	c	c1	d	e	e1	f	g	m	x		y
PB-1	9"x36"	II	2+2-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2	9"x36"	III	2+2-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2a	9"x36"	III	3+2-#5	-	2-#5	1-#5	2-#5	2-#5	1-#5	2-#5	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2b	9"x36"	III	2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	
PB-3	9"x24"	II	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-4	9"x24"	III	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-4a	9"x24"	III	3-#6	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-5	9"x36"	III	3-#6	-	2-#5	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	
PB-6	9"x36"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-6a	9"x36"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-7	9"x24"	II	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-8	9"x24"	III	2+2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-9	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-9a	9"x24"	II	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-10	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-11	9"x36"	II	2-#6+1-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-11	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-11b	9"x24"	III	2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-11c	9"x36"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	3+3-ø3	ø3-5"	ø3-5"	
PB-12	9"x24"	II	2-#6+1-#5	-	2-#5	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-13	9"x36"	II	2-#6+1-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-14	9"x24"	III	2-#6	-	2-#6	1-#6	-	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-15	9"x24"	III	2-#6+1-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-16	9"x24"	III	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	-	-	-	ø3-5"	ø3-5"	
PB-17	9"x36"	II	3-#5	-	2-#6	-	-	2-#6	1-#6	-	-	-	ø3-5"	ø3-10"	
PB-18	9"x36"	II	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-19	9"x36"	III	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-20	9"x36"	II	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-21	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-22	9"x30"	III	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-23	9"x24"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-22a	9"x30"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-23	9"x24"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-24	9"x24"	II	2-#6	-	2-#6	-	-	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-25	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-4"	ø3-4"	
PB-26	9"x24"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-27	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-28	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-29	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-30	9"x24"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-31	9"x24"	I	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-32	9"x24"	II	3-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	-	ø3-5"	ø3-5"	
PB-33	9"x24"	II	3+2-#6	-	2-#6	1-#8	2-#6	2-#6	1-#8	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-34	9"x24"	II	3+2-#6	-	2-#6	1-#8	2-#6	2-#6	1-#6	2-#8	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-35	9"x36"	II	3-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	3+3-ø3	ø3-5"	ø3-10"	
PB-36	9"x24"	II	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-37	9"x24"	I	2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-37a	9"x24"	I	3-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-38	9"x36"	I	3-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	3+3-ø3	ø3-5"	ø3-5"	
PB-39	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
PB-40	9"x30"	I	2-#5	-	2-#5	-	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	
PB-41	9"x48"	I	2-#5	-	2-#5	-	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	
PB-42	9"x24"	I	3-#6	-	2-#6	-	-	-	-	-	-	-	ø3-4"	ø3-4"	
PB-43	9"x36"	I	2-#5	-	2-#5	1-#5	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	



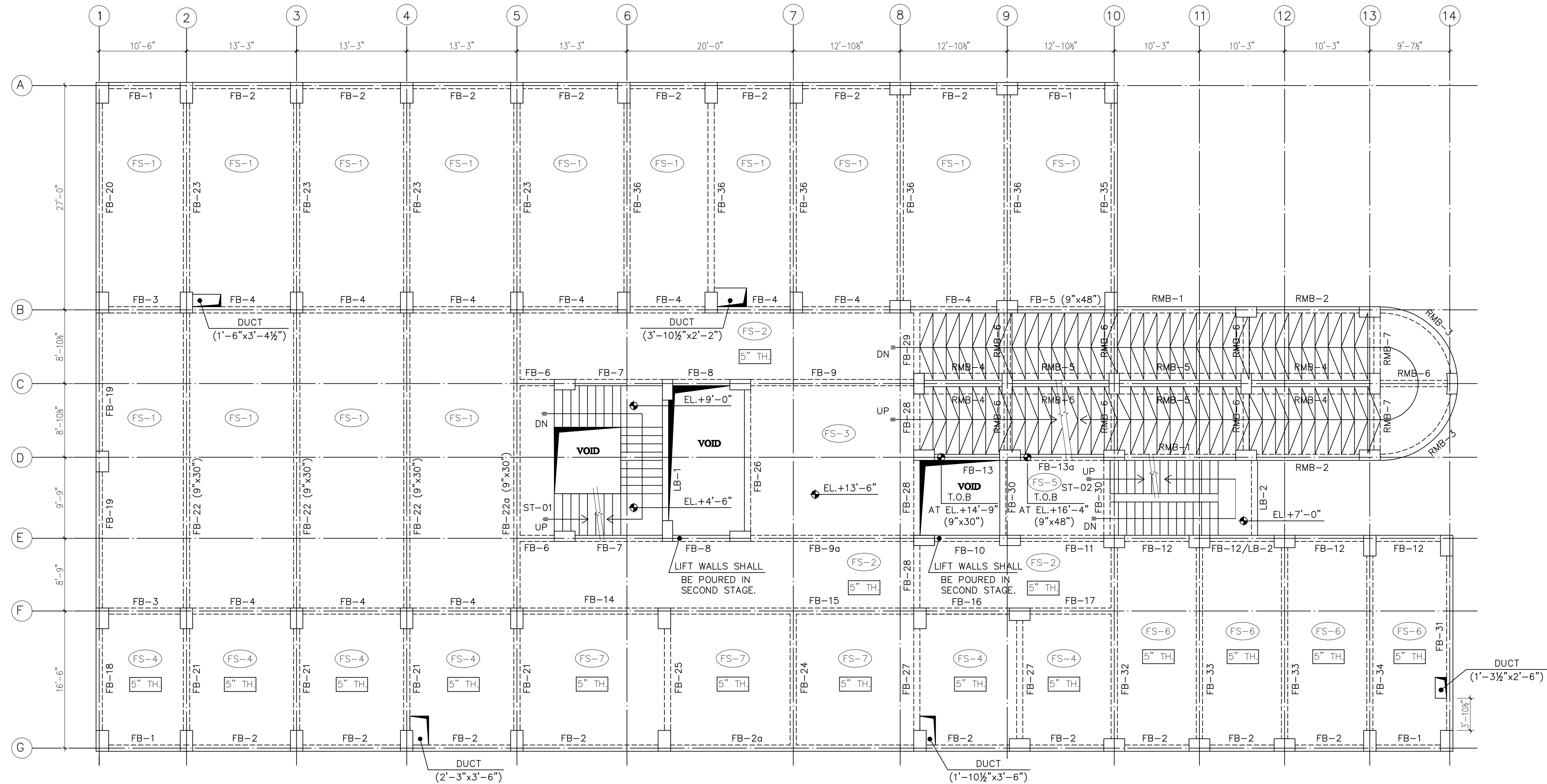
- NOTES
- 1-FOR SUPPORT CONDITION REFER FRAMING PLAN.
  - 2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.
  - 3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.
  - 4-x = 2H.
  - 5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.
  - 6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.
  - 7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.
  - 8-BARS 'b,d & f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.
  - 9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.
  - 10-LAPS (IF REQUIRED.) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.
  - 11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.
  - 12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

SPECIAL NOTE

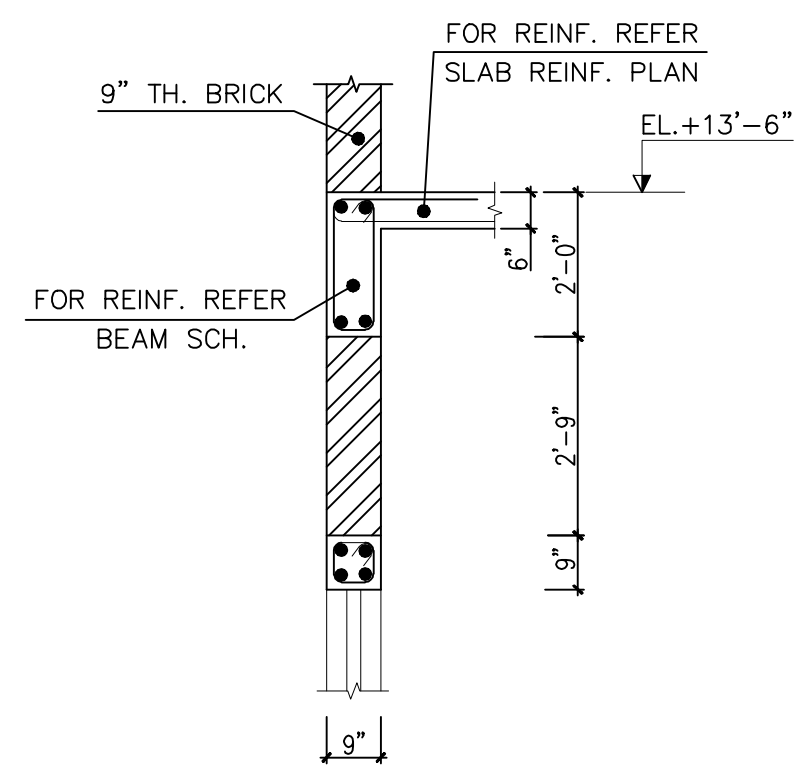
1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+13'-6"					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NESPAK	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS					
FILE	HINA MUMTAZ	HINA MUMTAZ	AAJAMIR RASHEED		
CKD. HINA MUMTAZ	DATE	DRAWING NO.			REV.
SUBM. HINA MUMTAZ	NOV., 2022	4199/323/C/01G05			0

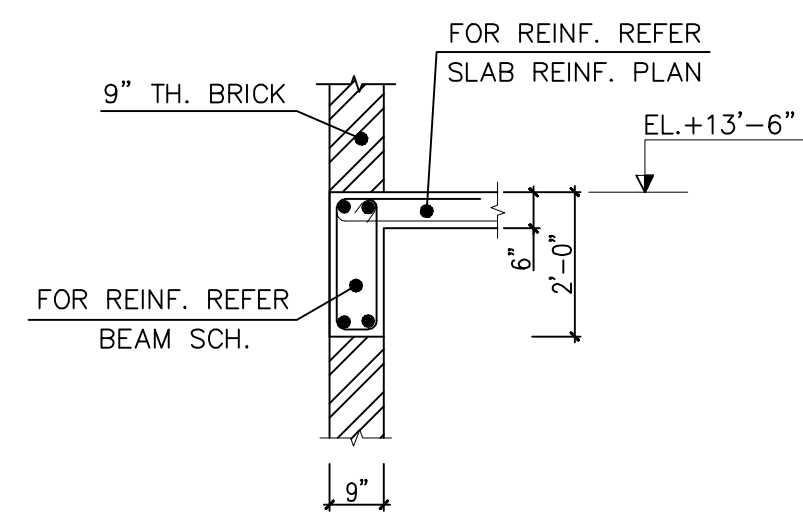




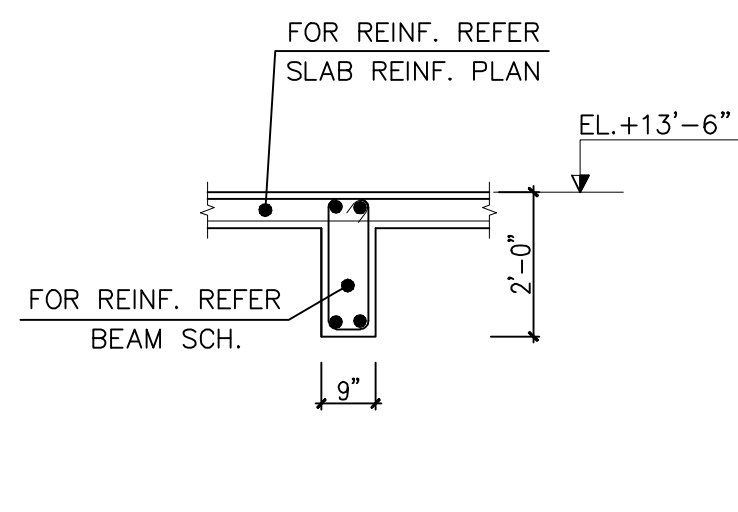
FRAMING PLAN AT EL. +13'-6"



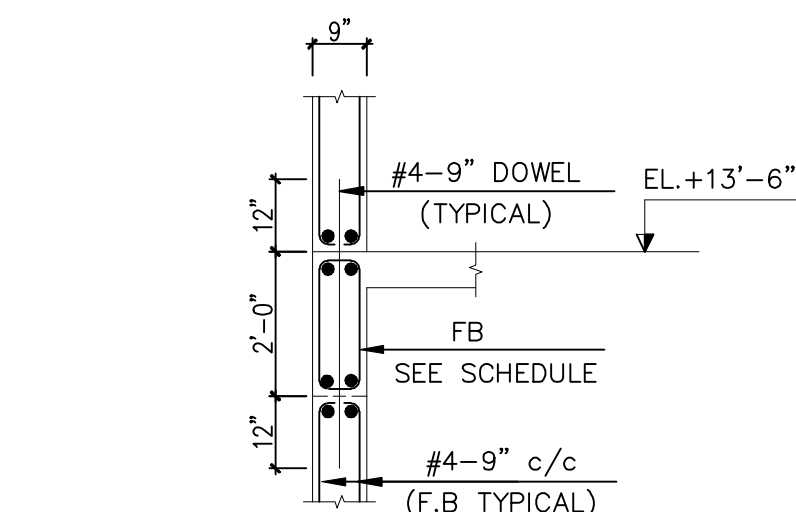
TYP. SECTION OF EXTERNAL FLOOR BEAM  
(AT WINDOW LOCATION)



TYP. SECTION OF EXTERNAL FLOOR BEAM  
(AT WALL LOCATION)



TYP. SECTION OF INTERNAL FLOOR BEAM



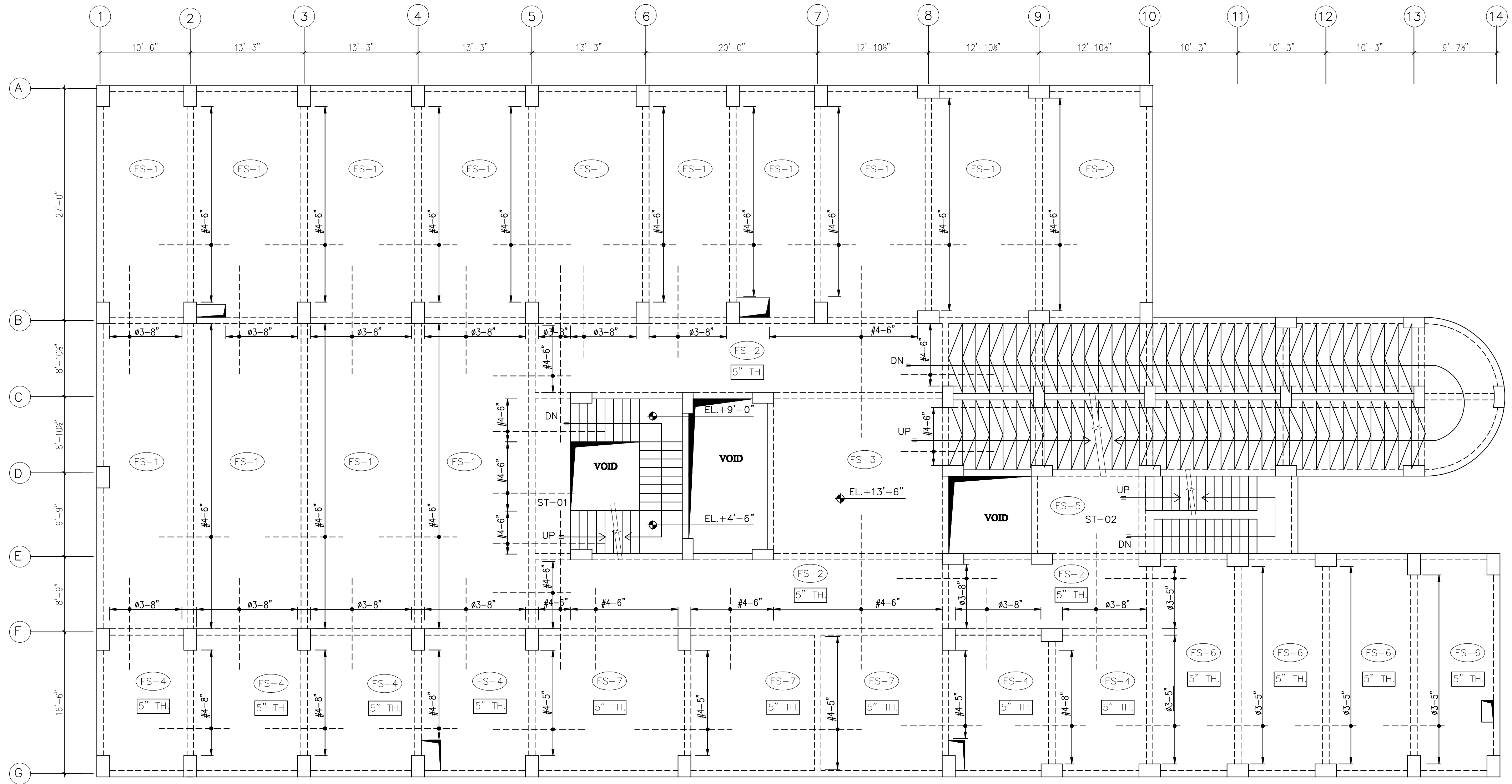
TYPICAL DETAIL OF R.C.C. LIFT WALL  
TO BE POURED IN SECOND STAGE

NOTES:

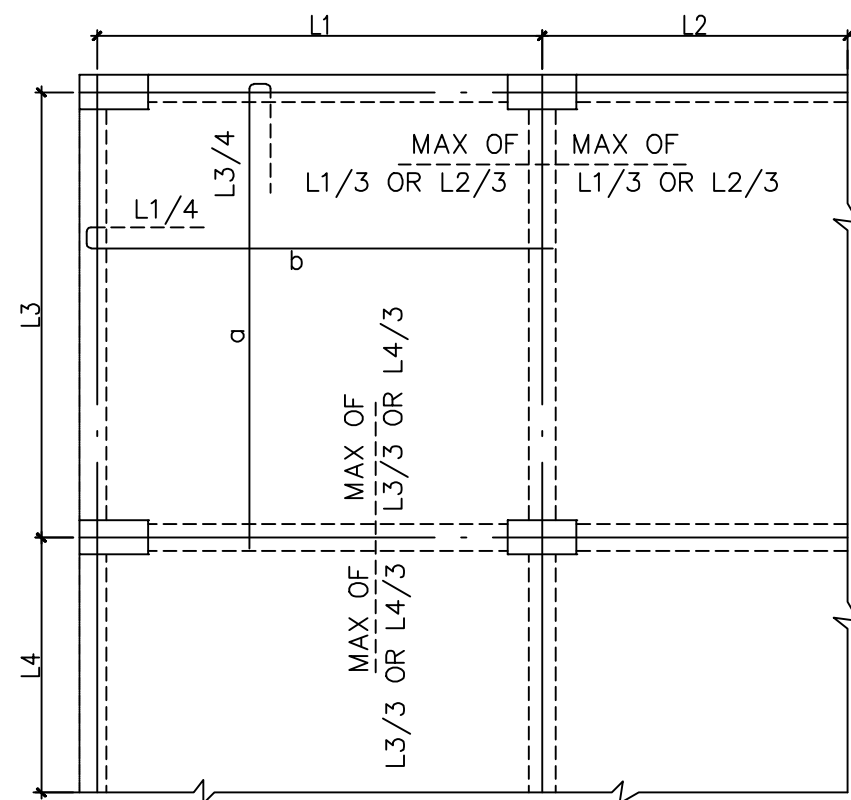
1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL FLOOR BEAMS 9"x24" EXCEPT NOTED OTHERWISE.
- 5-FOR BEAM REINF. REFER FLOOR BEAM SCHEDULE.
- 6-FOR SLAB REINF. REFER SLAB REINF. PLAN.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. +13'-6"					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G06		0	
SUBM. HINA MUMTAZ					





SLAB REINFORCEMENT PLAN AT EL.+13'-6"  
(TOP REINF.)



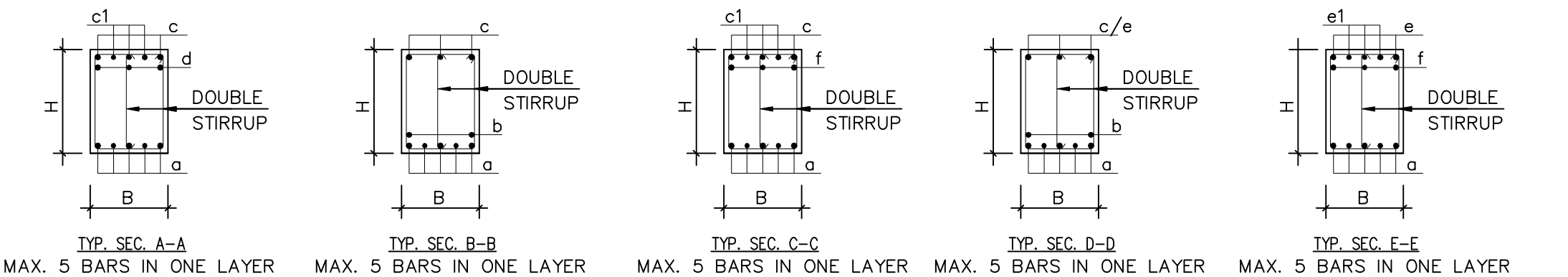
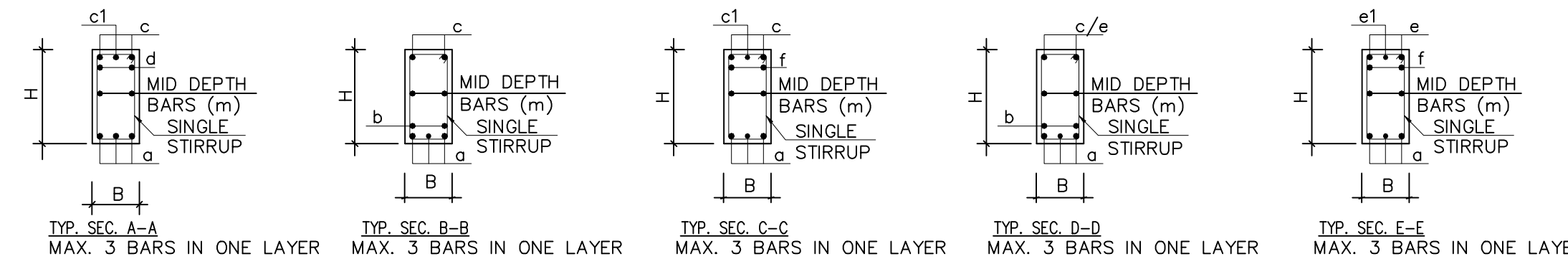
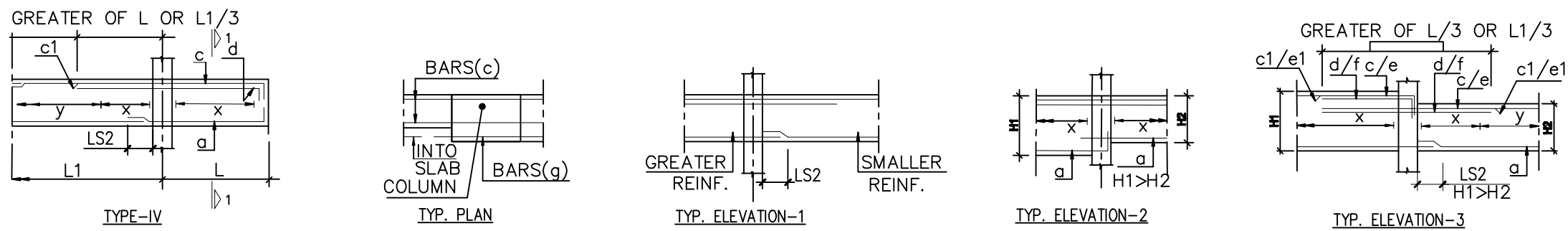
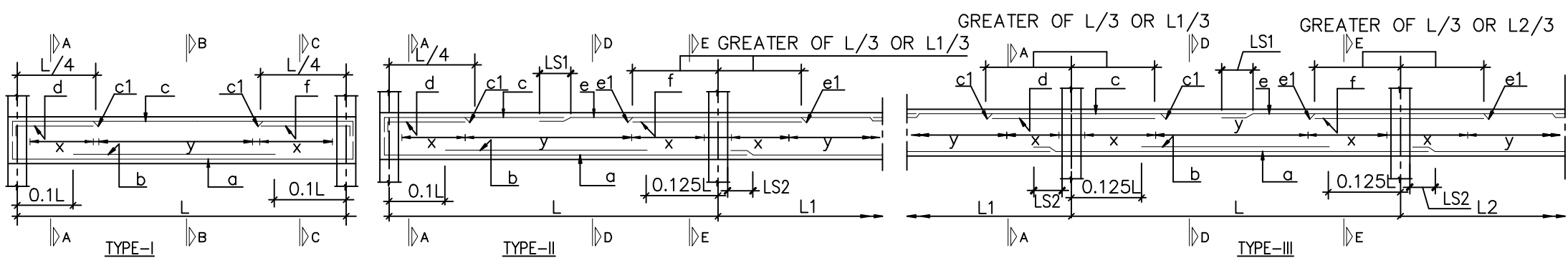
TYP. SLAB REINFORCEMENT PLAN

S L A B S C H E D U L E				
SLAB MARK	SLAB THICKNESS.	B O T T O M R E I N F O U R C E M E N T		
		a	b	REMARKS
FS-1	6"	#4-8"	#4-9"	
FS-2	5"	ø3-8"	ø3-9"	
FS-3	6"	ø3-5"	ø3-6"	
FS-4	5"	ø3-7"	ø3-8"	
FS-5	5"	ø3-9"	ø3-10"	
FS-6	5"	ø3-7"	ø3-9"	
FS-7	5"	ø3-6"	ø3-6"	

- NOTES:
- 1-FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  - 2-READ THIS DRAWING IN CONJUNCTION WITH ALL THE RELEVANT PROJECT DRAWINGS.
  - 3-ALL DIMENSIONS ARE IN "FPS" UNITS EXCEPT NOTED OTHERWISE.
- NOTES FOR SLAB REINF.
- 1-ALL BINDERS BARS SHALL BE ø3-12" c/c.
  - 2-TOP REINF. AT EACH CONTINUOUS EDGE SHALL BE EXTENDED ON BOTH SIDES UP TO MAX. SPAN/3.
  - 3-BOTTOM REINF. SHALL BE BENT UP FOR RESPECTIVE SPAN/4 AT EACH DISCONTINUOUS EDGE.
  - 4-ALL SLABS ARE 6" TH. EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+13'-6"					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NESPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G07		0	
SUBM. HINA MUMTAZ					

F L O O R        B E A M        S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L				R E I N F O R C E M E N T					S T I R R U P S		R E M A R K S	
			a	b	c	c1	d	e	e1	f	g	m	x		y
FB-1	9"x24"	II	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-2	9"x24"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-2a	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-5"	#4-5"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-3	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-4	9"x24"	III	3-#4	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-5	9"x48"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-6	9"x24"	II	3-#6	-	2-#8	-	2-#8	2-#8	-	2-#8	-	-	#4-4"	#4-4"	
FB-7	9"x24"	III	3-#6	-	2-#8	-	2-#8	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-8	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-9	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-9a	9"x24"	III	2-#6+2-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-10	9"x24"	III	3-#6	-	2-#6	1-#6	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-11	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-12	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-13	9"x30"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-14	9"x24"	III	3-#6	-	2-#6	1-#5	2-#6	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	
FB-15	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-16	9"x24"	III	3-#6	-	2-#8	1-#6	2-#8	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
FB-17	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
FB-18	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-19	9"x24"	III	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-20	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-21	9"x24"	II	2-#8+2-#6	-	2-#8	-	2-#8	2-#8	1-#6	2+2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' & 'f' IN TWO LAYERS.
FB-22	9"x30"	III	2-#8+1-#6+2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-22a	9"x30"	III	2-#8+1-#6+2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-23	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-24	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
FB-25	9"x24"	I	2-#8+2-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-26	9"x24"	I	2-#8+2-#6	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-27	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-28	9"x24"	III	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-29	9"x24"	II	2-#8+2-#6	-	2-#8	-	-	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-30	9"x24"	I	2-#8+2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-31	9"x24"	I	2-#8+1-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	#4-4"	#4-8"	
FB-32	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-33	9"x24"	I	2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	
FB-34	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-5"	#4-10"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-35	9"x24"	I	2-#8	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-36	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-13a	9"x48"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	3+3-ø3	ø3-5"	ø3-10"	



NOTES

1-FOR SUPPORT CONDITION REFER FRAMING PLAN.

2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.

3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.

4-x = 2H.

5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.

6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.

7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.

8-BARS 'b,d & f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.

9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.

10-LAPS (IF REQUIRED.) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.

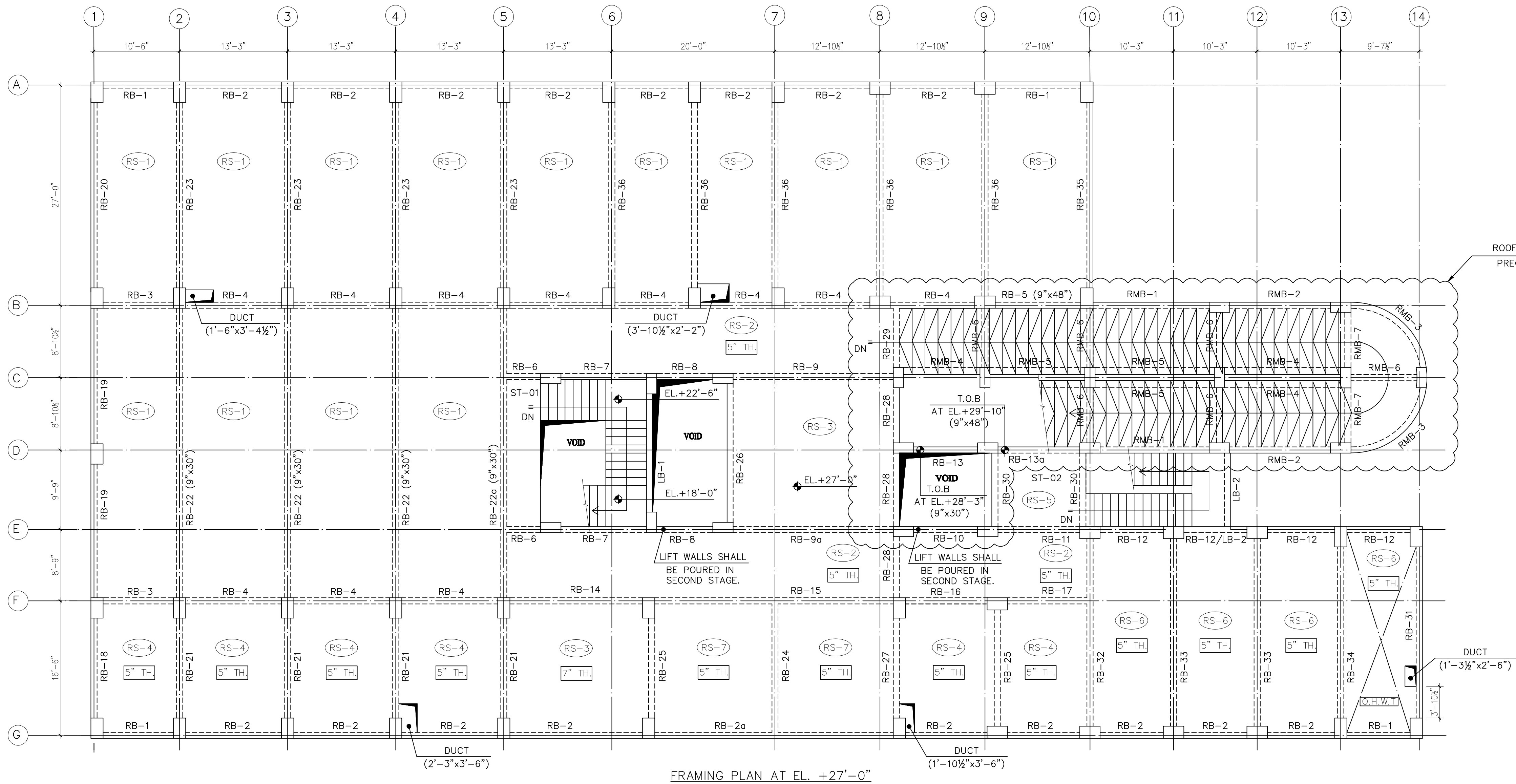
11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.

12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

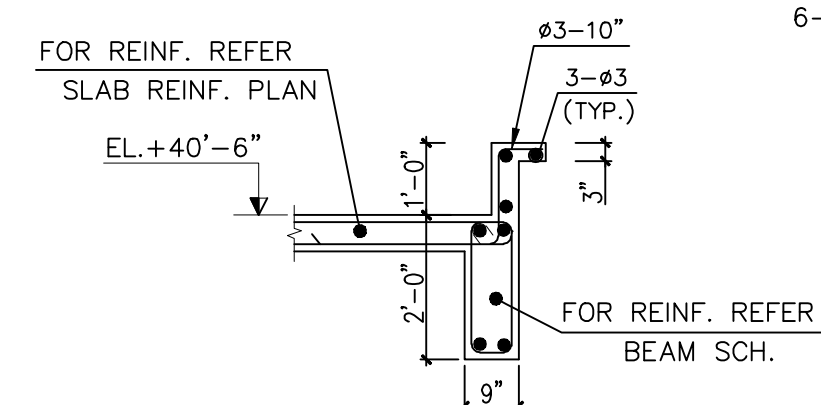
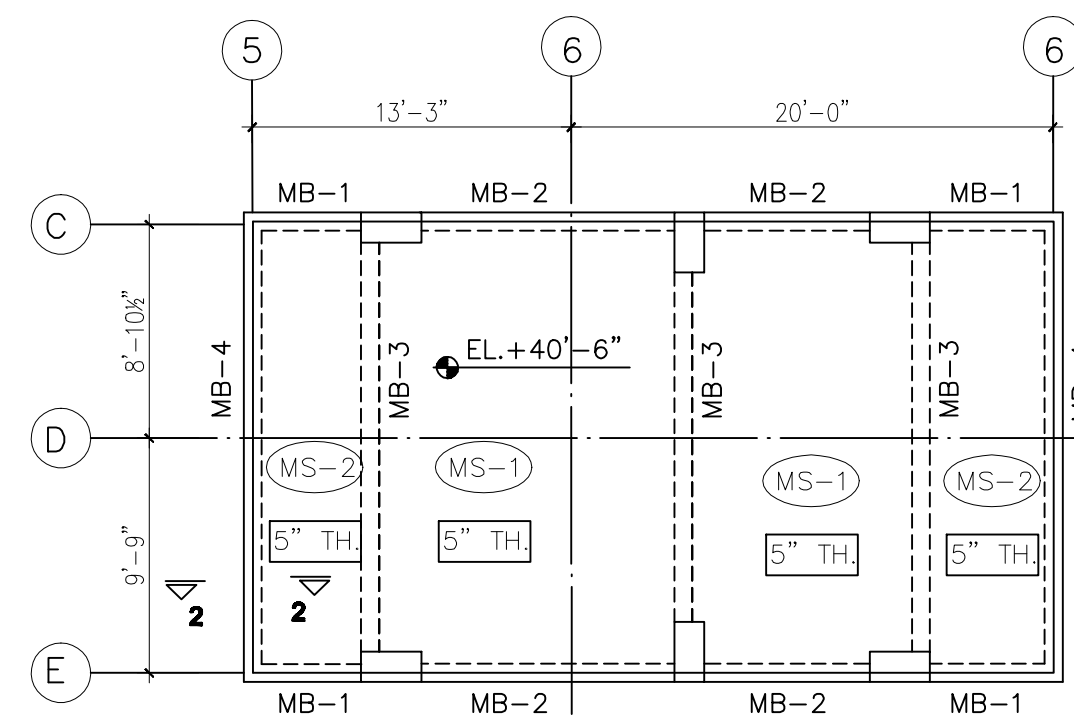
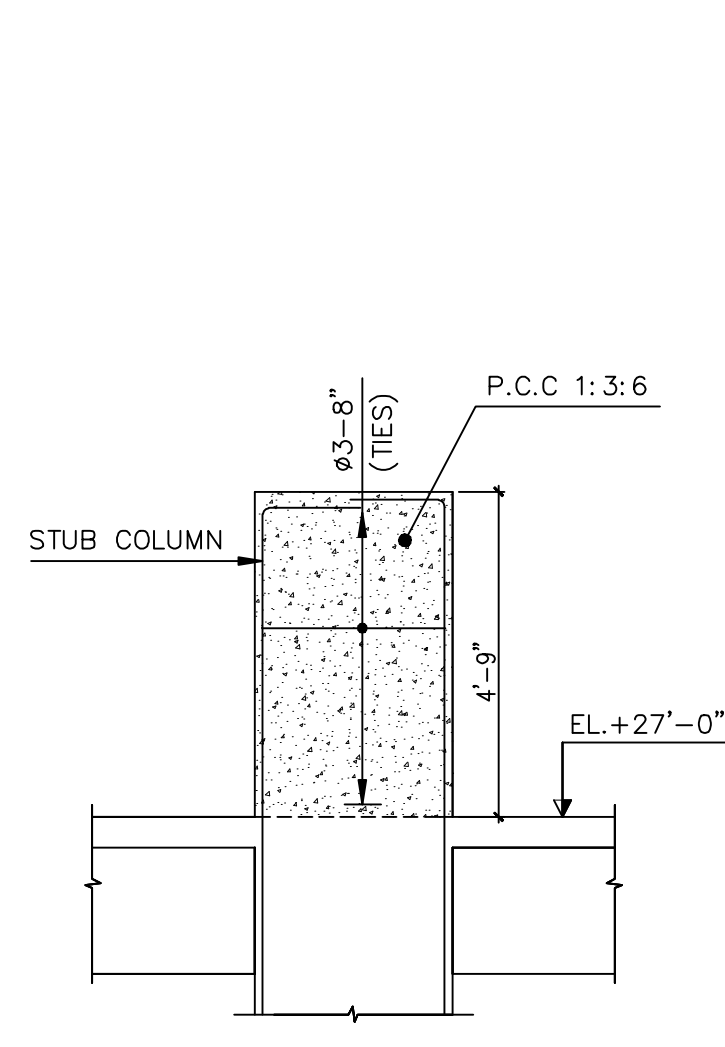
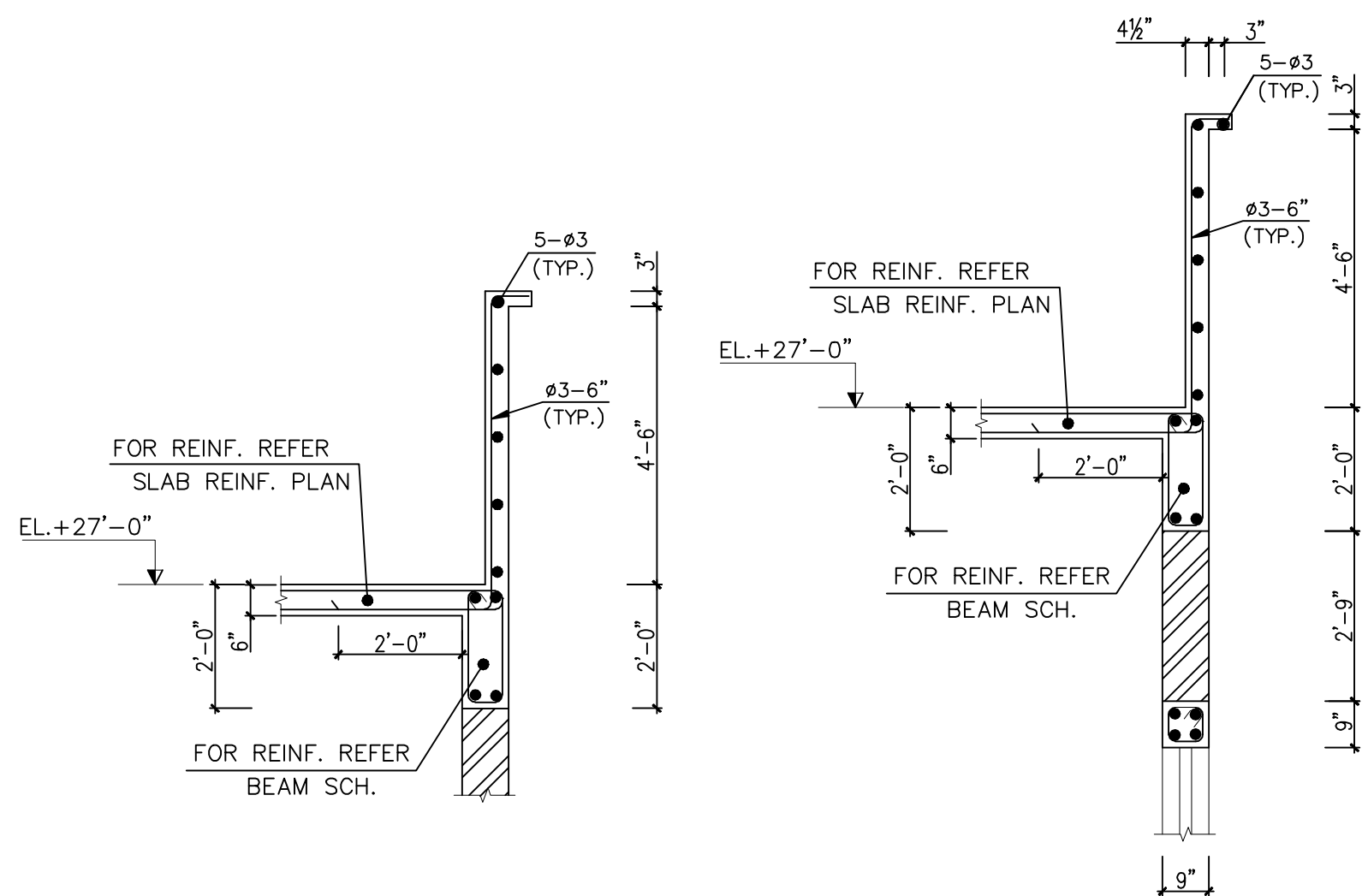
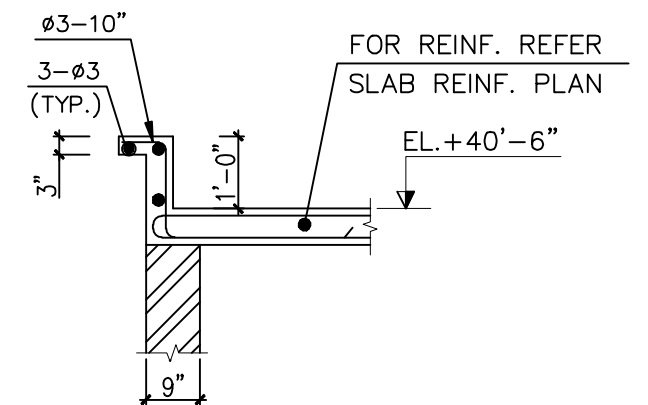
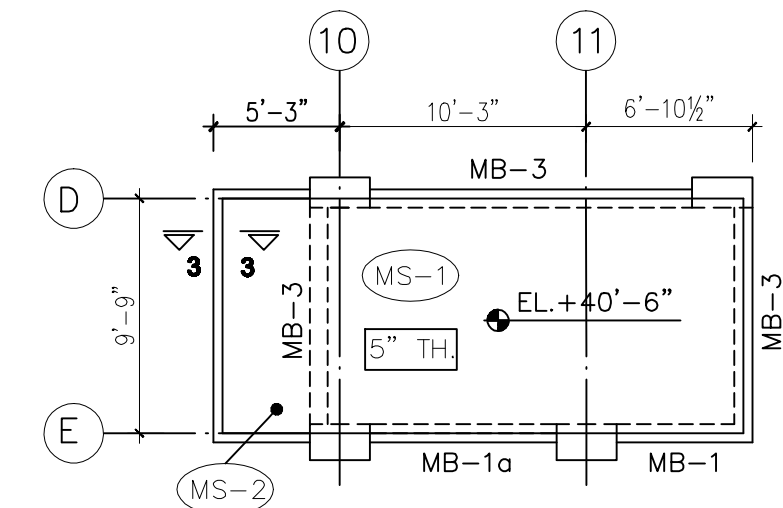
SPECIAL NOTE

1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FLOOR BEAM SCHEDULE					
NEEP NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEPAK	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS					
FILE	HINA MUMTAZ	HINA MUMTAZ	AAJAMIR RASHEED		
CKD. HINA MUMTAZ	DATE	DRAWING NO.			REV.
SUBM. HINA MUMTAZ	NOV., 2022	4199/323/C/01G08			0



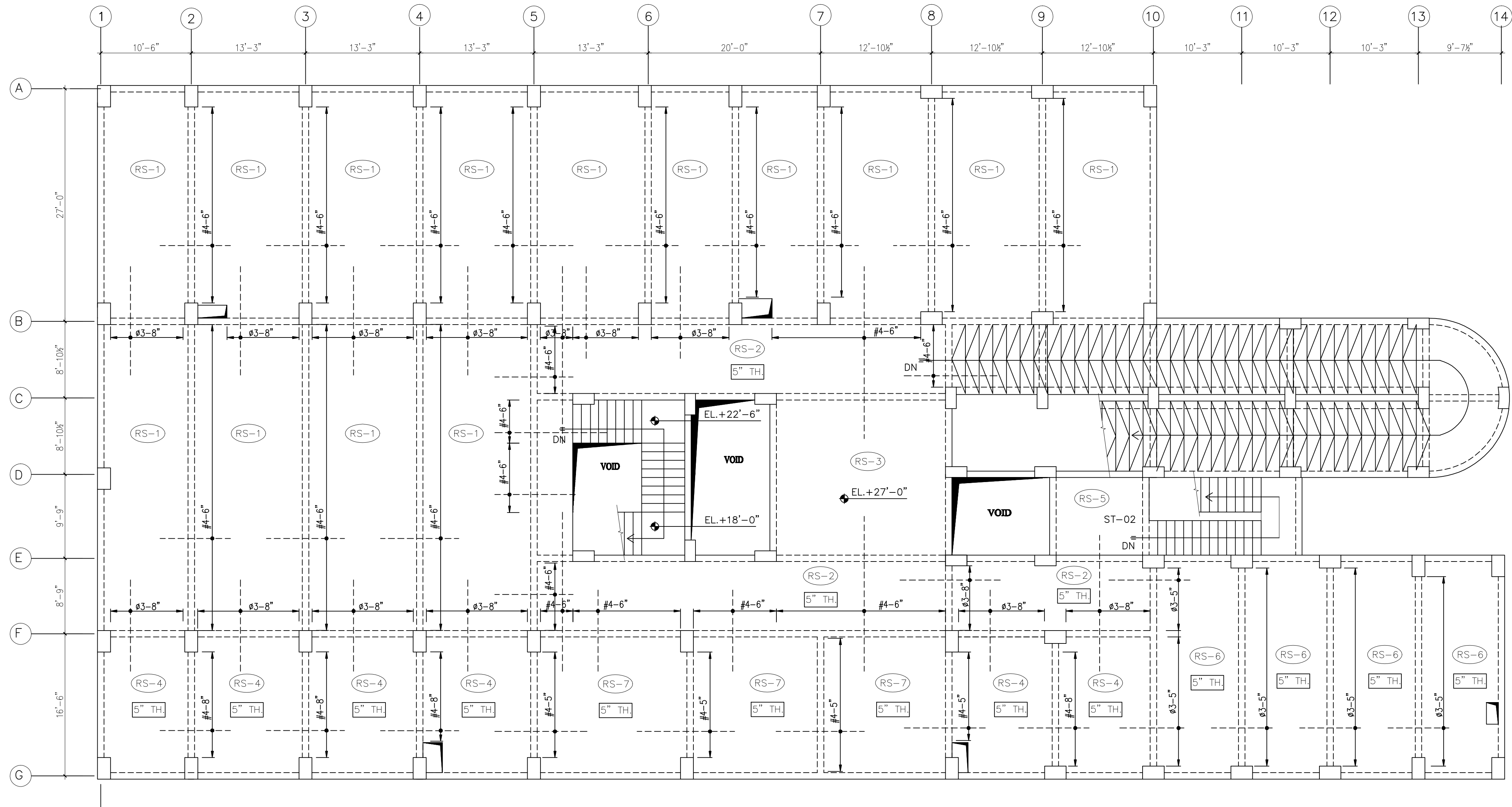
ROOF COLUMN TO BE COVERED BY THE  
PRECAST SLAB PANELS AND GIRDERS



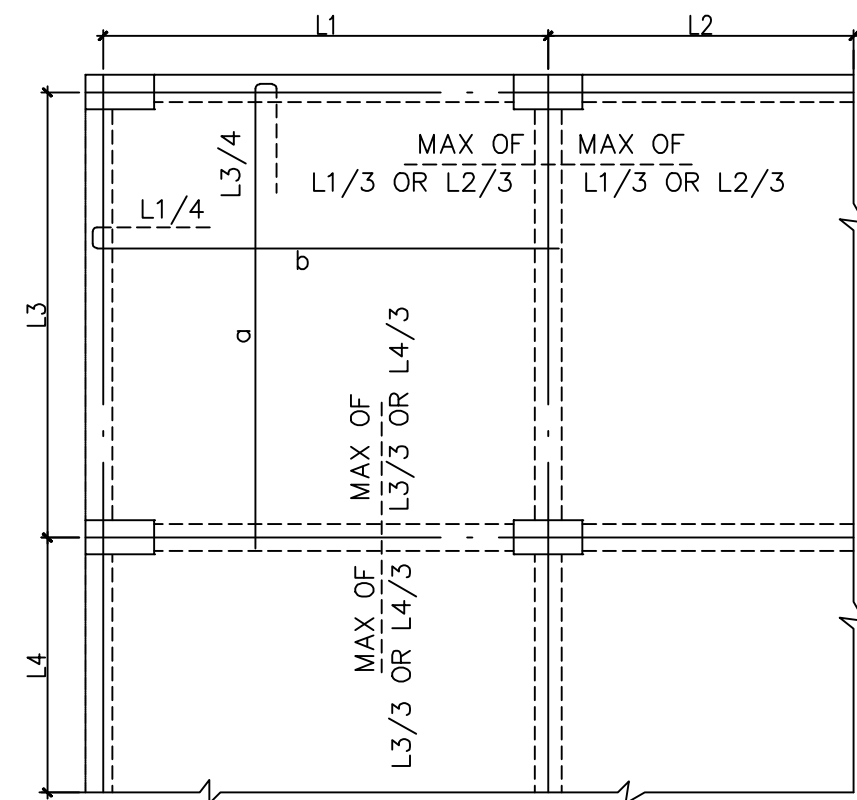
#### NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL FLOOR BEAMS 9"x24" EXCEPT NOTED OTHERWISE.
- 5-FOR BEAM REINF. REFER ROOF BEAM SCHEDULE.
- 6-FOR SLAB REINF. REFER SLAB REINF. PLAN.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. +27'-0"					
<div> </div>					
DESIGN: NEBPAC		RECOMMENDED	VER/CHKD.	APPROVED	
DWNL: AHMAD ABBAS		HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED	
FILE: HINA MUMTAZ		DATE	DRAWING NO.		REV.
SUBM: HINA MUMTAZ		NOV, 2022	4199/323/C/01G09		0

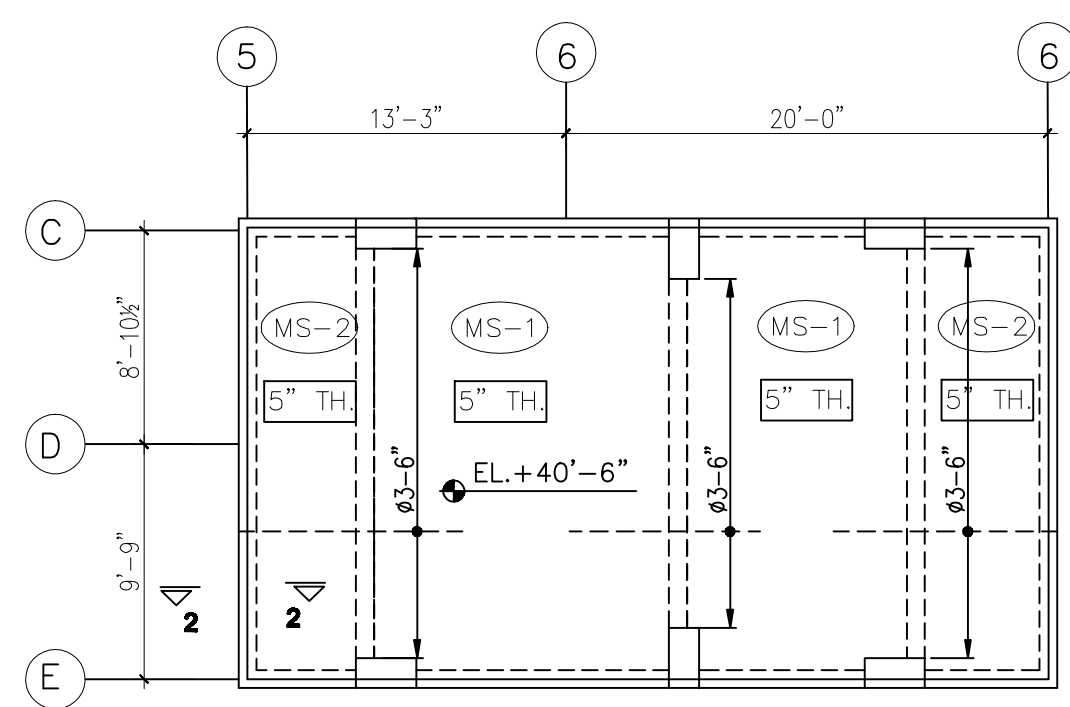


FRAMING PLAN AT EL. +27'-0"

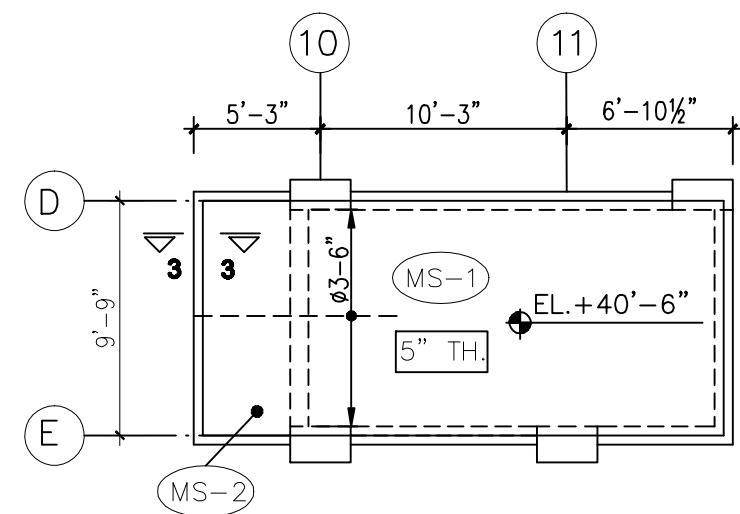


TYP. SLAB REINFORCEMENT PLAN

S L A B S C H E D U L E				
SLAB MARK	SLAB THICKNESS.	B O T T O M R E I N F O U R C E M E N T		
		a	b	REMARKS
RS-1	6"	#4-8"	#4-9"	
RS-2	5"	ø3-8"	ø3-9"	
RS-3	6"	ø3-5"	ø3-6"	
RS-4	5"	ø3-7"	ø3-8"	
RS-5	5"	ø3-9"	ø3-10"	
RS-6	5"	ø3-7"	ø3-9"	
RS-7	5"	ø3-6"	ø3-6"	
MS-1	5"	ø3-7"	ø3-8"	
MS-2	5"	ø3-9"	ø3-10"	



SLAB REINF. PLAN AT EL. +40'-6"



FSLAB REINF. PLAN AT EL. +40'-6"

#### NOTES:

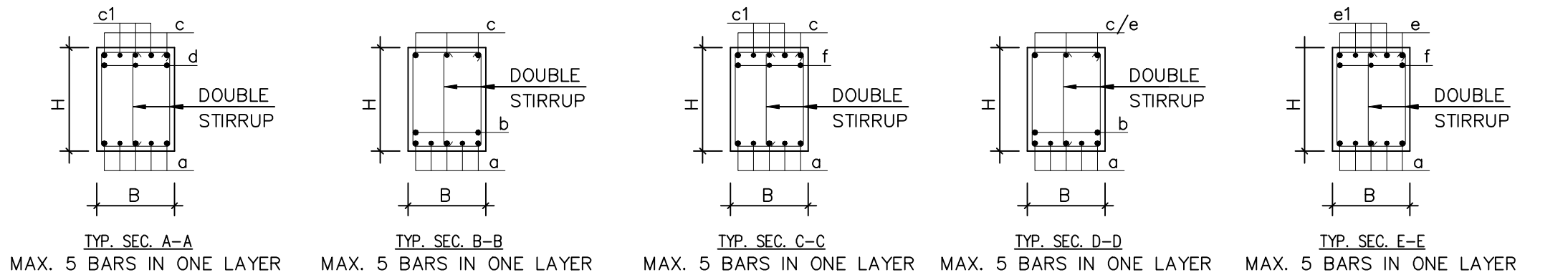
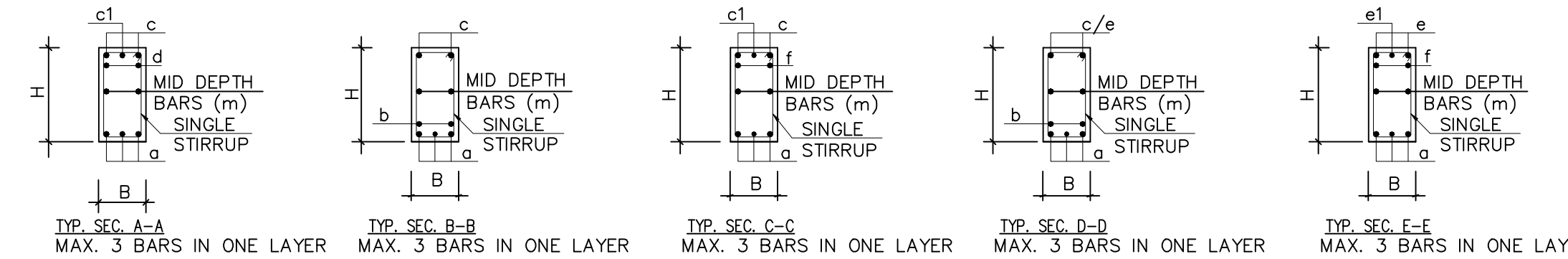
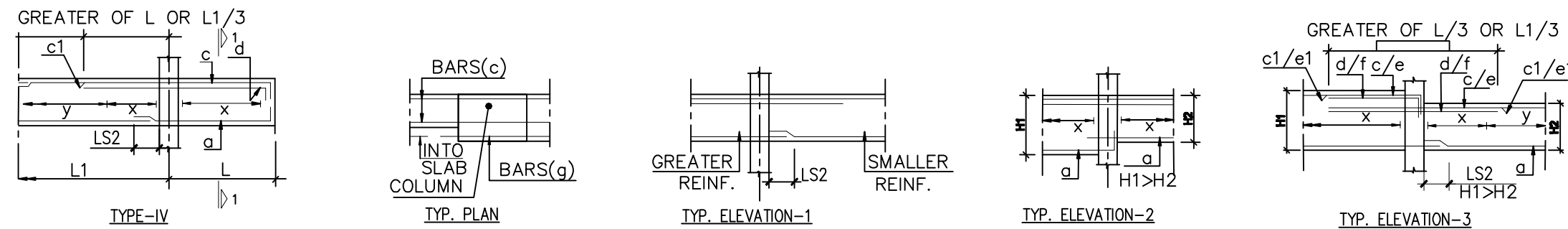
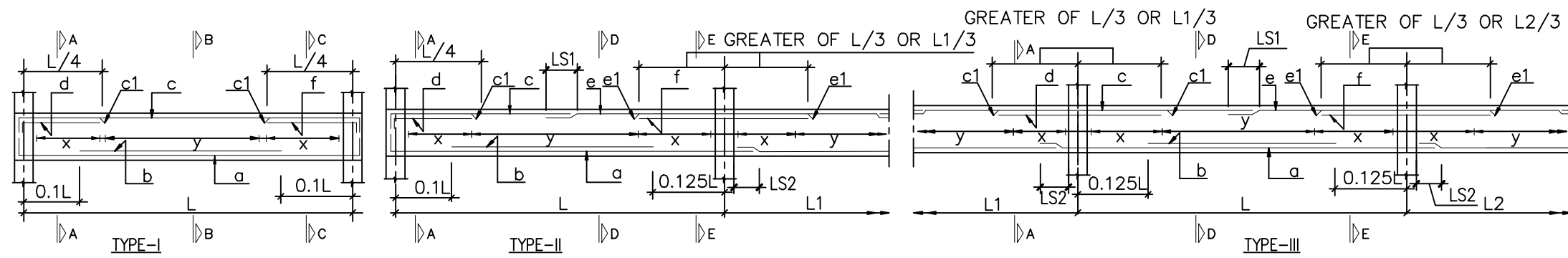
- 1-FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
- 2-READ THIS DRAWING IN CONJUNCTION WITH ALL THE RELEVANT PROJECT DRAWINGS.
- 3-ALL DIMENSIONS ARE IN "FPS" UNITS EXCEPT NOTED OTHERWISE.

#### NOTES FOR SLAB REINF.

- 1-ALL BINDERS BARS SHALL BE ø3-12" c/c.
- 2-TOP REINF. AT EACH CONTINUOUS EDGE SHALL BE EXTENDED ON BOTH SIDES UP TO MAX. SPAN/3.
- 3-BOTTOM REINF. SHALL BE BENT UP FOR RESPECTIVE SPAN/4 AT EACH DISCONTINUOUS EDGE.
- 4-ALL SLABS ARE 6" TH. EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+27'-0"					
DESN.	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G10		0	
SUBM. HINA MUMTAZ					

R O O F B E A M S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L				R E I N F O R C E M E N T				S T I R R U P S		R E M A R K S		
			a	b	c	c1	d	e	e1	f	g	m		x	y
RB-1	9"x24"	II	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-2	9"x24"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-2a	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-5"	#4-5"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-3	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-4	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-5	9"x48"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	3+3-ø3	ø3-5"	ø3-10"	
RB-6	9"x24"	II	3-#6	-	2-#8	-	2-#8	2-#8	-	2-#8	-	-	#4-4"	#4-4"	
RB-7	9"x24"	III	3-#6	-	2-#8	-	2-#8	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-8	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-9	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-9a	9"x24"	III	2-#6+2-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-10	9"x24"	III	3-#6	-	2-#6	1-#6	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-11	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-12	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-13	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-14	9"x24"	III	3-#6	-	2-#6	1-#5	2-#6	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	
RB-15	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-16	9"x24"	III	3-#6	-	2-#8	1-#6	2-#8	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
RB-17	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
RB-18	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-19	9"x24"	III	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-20	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-21	9"x24"	II	2-#8+2-#6	-	2-#8	-	2-#8	2-#8	1-#6	2+2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'o' & 'f' IN TWO LAYERS.
RB-22	9"x30"	III	2-#8+1-#6 +2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-22a	9"x30"	III	2-#8+1-#6 +2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-23	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-24	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
RB-25	9"x24"	I	2-#8+2-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-26	9"x24"	I	2-#8+2-#6	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-27	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-28	9"x24"	III	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-29	9"x24"	II	2-#8+2-#6	-	2-#8	-	-	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-30	9"x24"	I	2-#8+2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-31	9"x24"	I	2-#8+1-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	#4-4"	#4-8"	
RB-32	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-4"	PROVIDE BAR 'b' IN TWO LAYERS.
RB-33	9"x24"	I	2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	
RB-34	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-5"	#4-10"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
RB-35	9"x24"	I	2-#8	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-36	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-1	9"x24"	II	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-2	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-3	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-4	9"x24"	II	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-5	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-6	9"x24"	I	2+2-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-7	9"x24"	II	2+2-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
LB-1a	9"x24"	II	2-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
LB-2	9"x24"	I	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
MB-1	9"x24"	IV	2-#5	-	3-#5	-	-	-	-	-	-	-	ø3-4"	ø3-4"	
MB-2	9"x24"	III	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
MB-3	9"x24"	I	3-#5	-	2-#5	1-#5	-	-	-	-	-	-	ø3-5"	ø3-10"	
MB-4	9"x24"	I	2-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	



NOTES

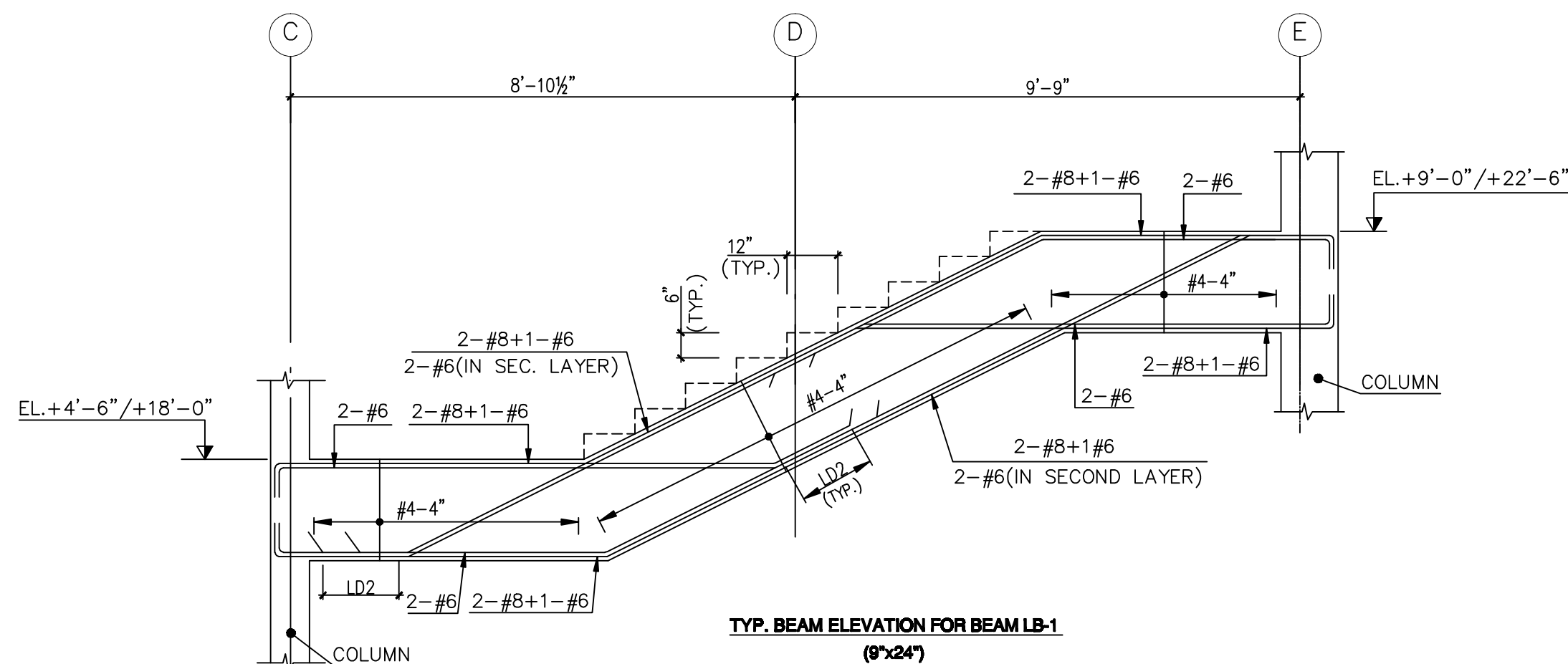
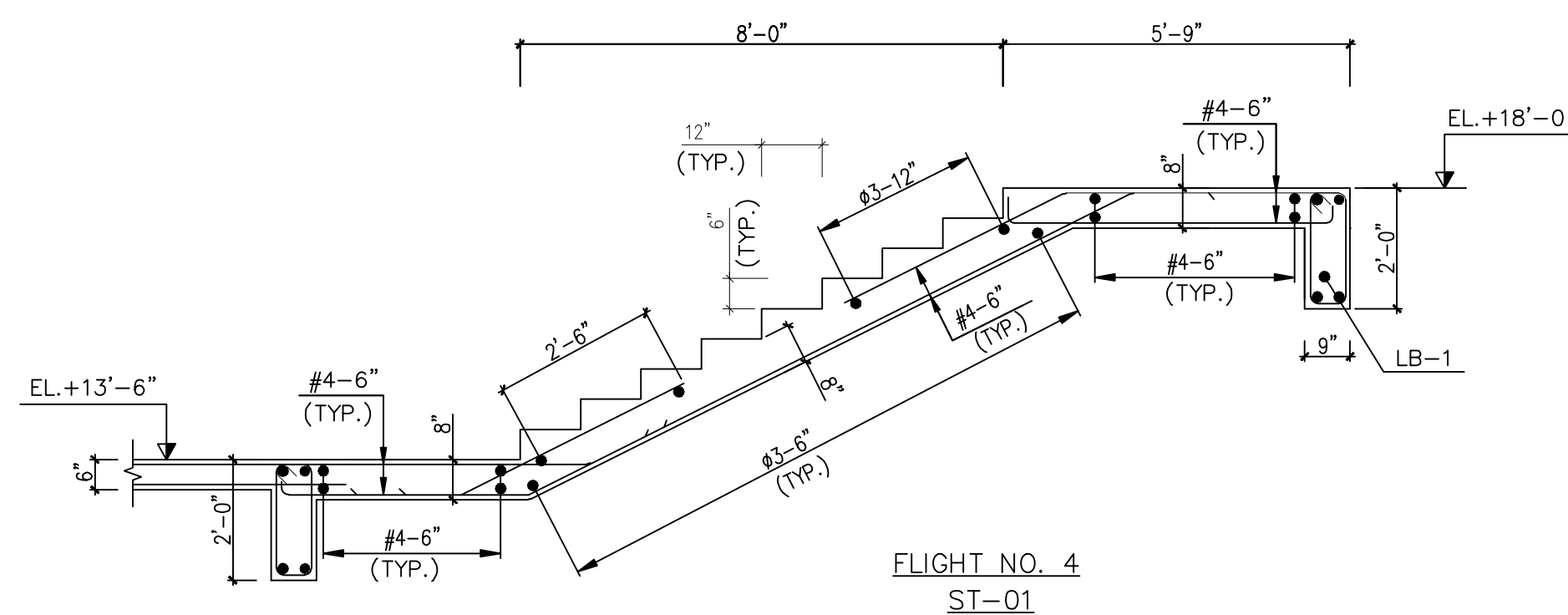
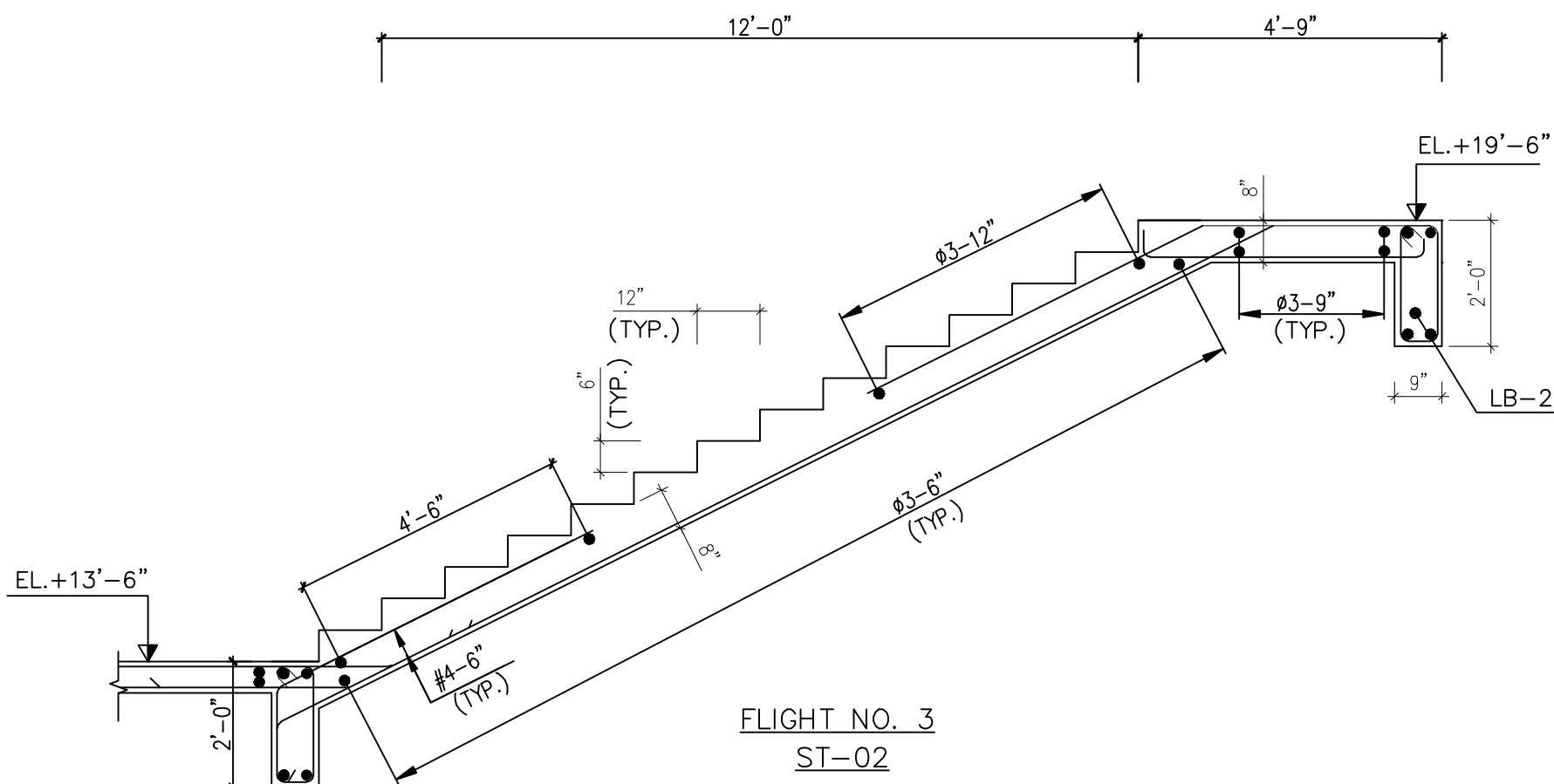
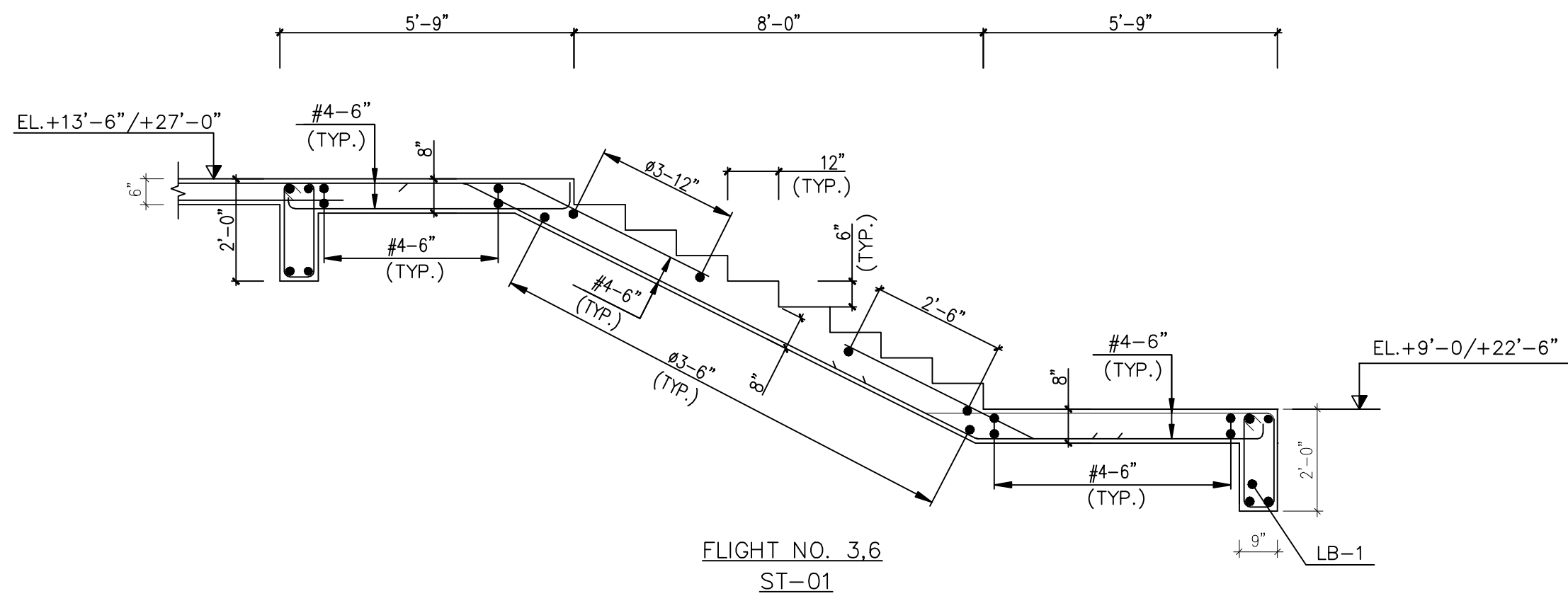
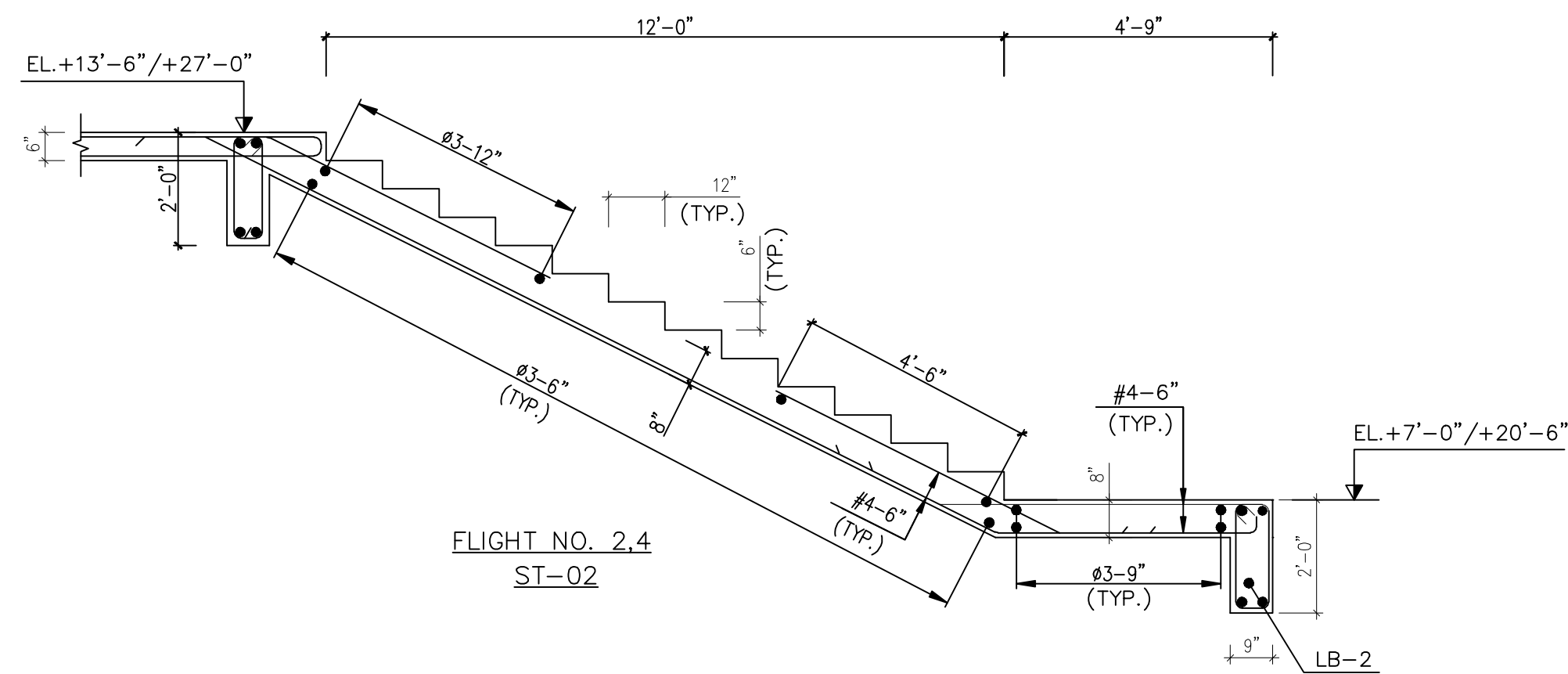
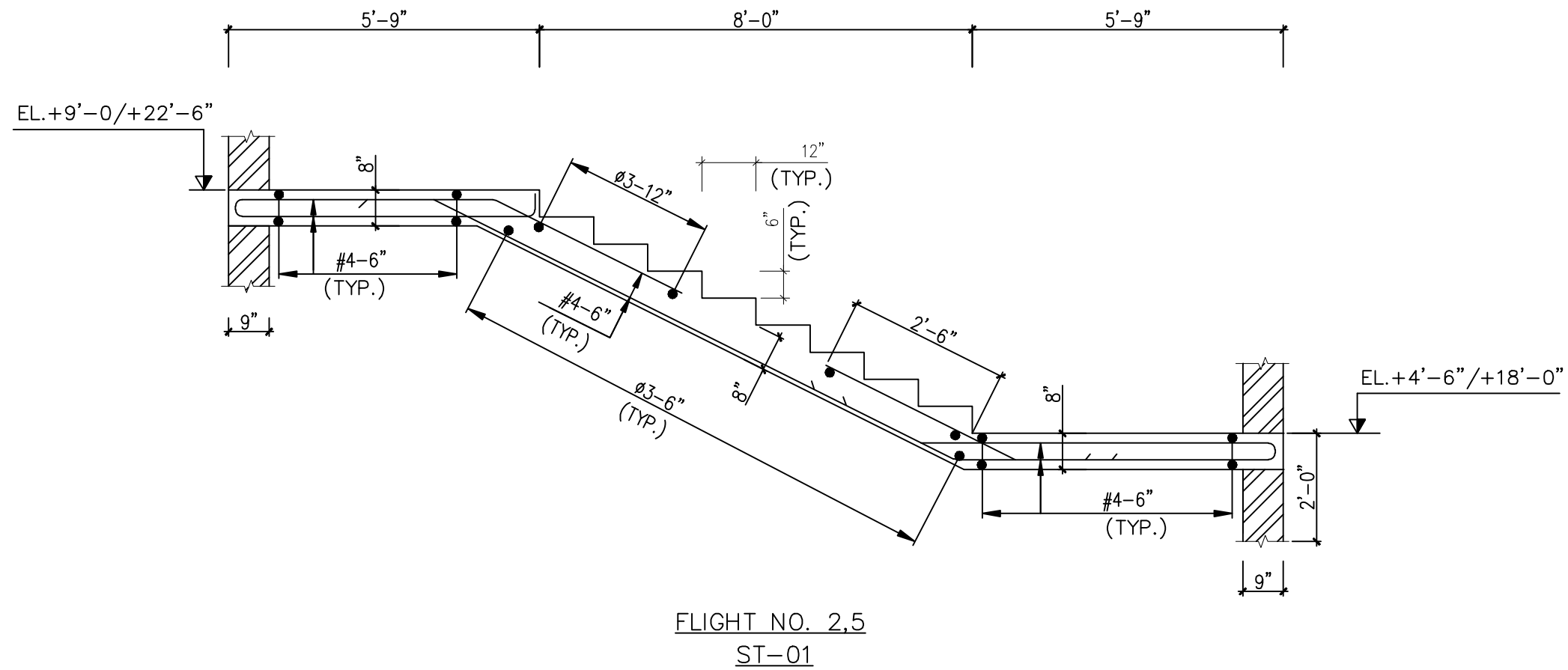
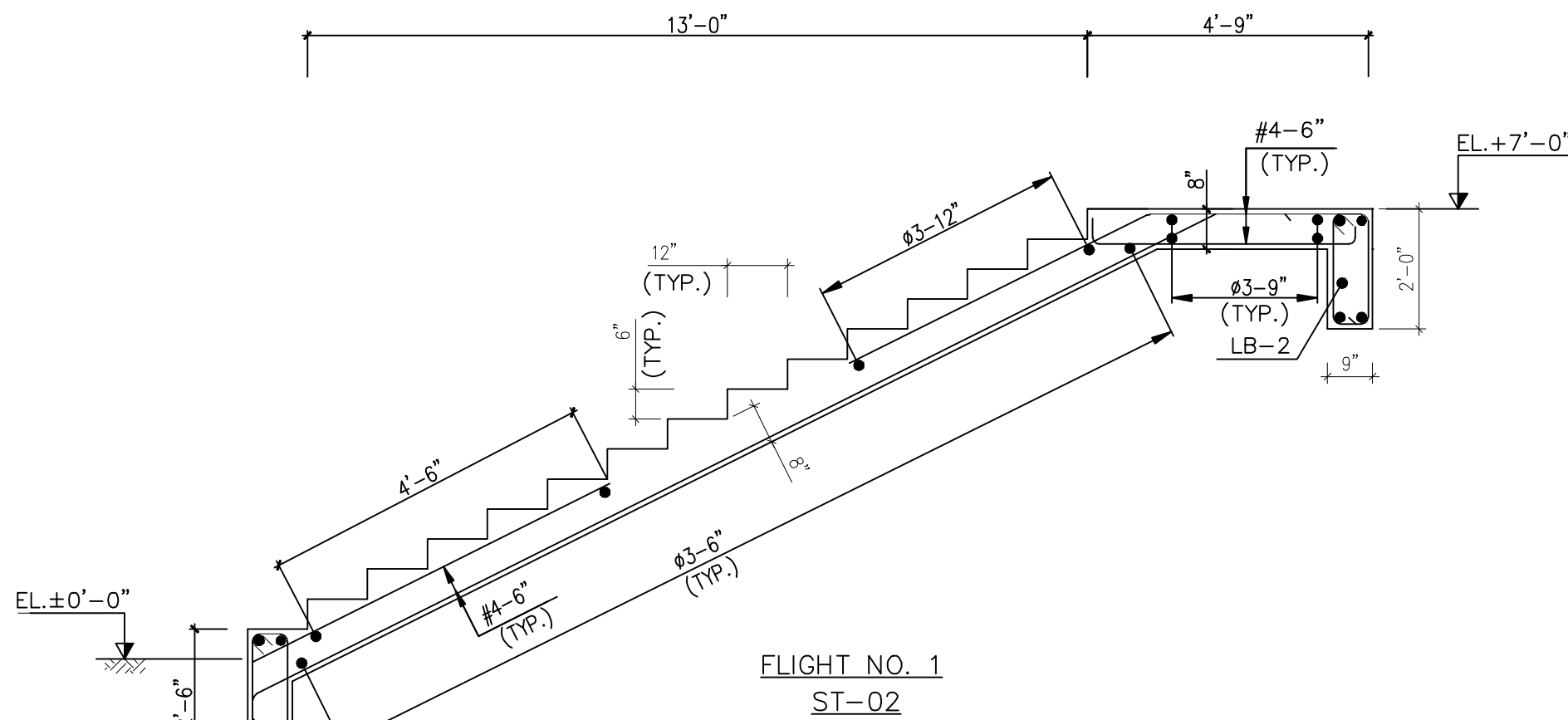
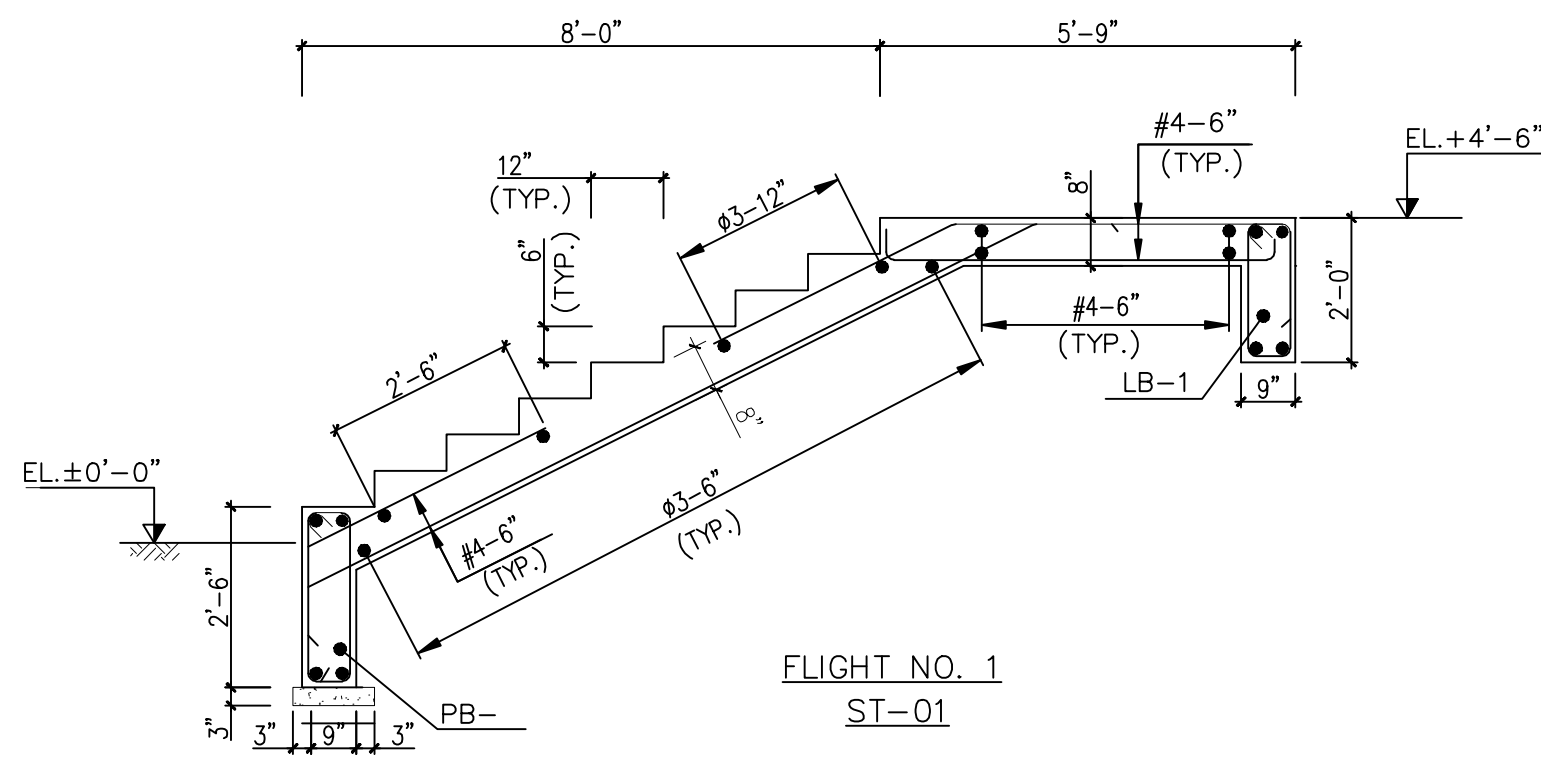
- 1-FOR SUPPORT CONDITION REFER FRAMING PLAN.
- 2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.
- 3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.
- 4-x = 2H.
- 5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.
- 6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.
- 7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.
- 8-BARS 'b,d & f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.
- 9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.
- 10-LAPS (IF REQUIRED,) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.
- 11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.
- 12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

SPECIAL NOTE

1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
ROOF BEAM SCHEDULE					
DESN. NESPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAJIB RASHEED		
FILE	DATE	DRAWING NO.			REV.
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G11			0
SUBM. HINA MUMTAZ					



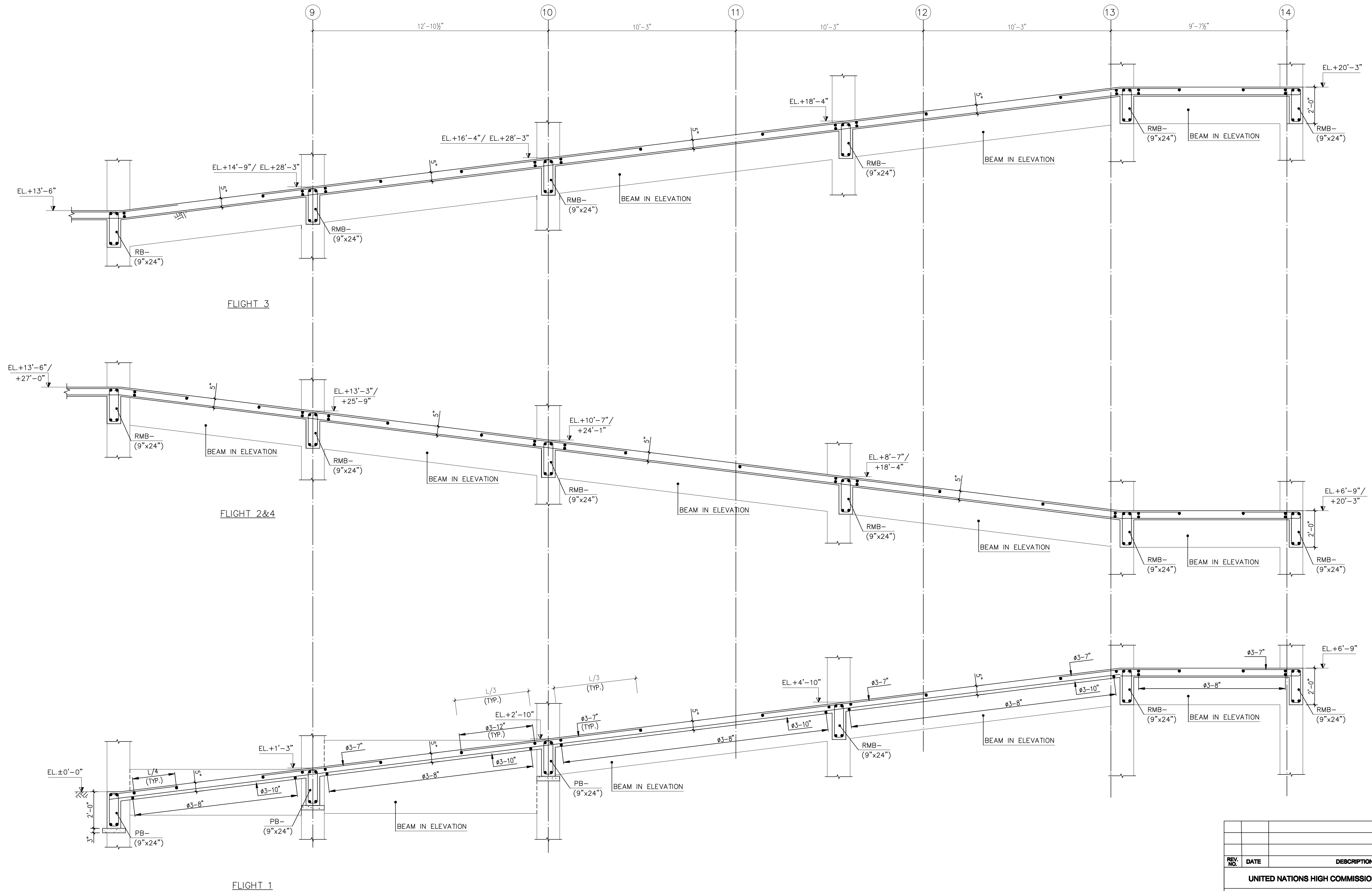


NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
STAIR DETAILS					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G12		0	
SUBM. HINA MUMTAZ					





- NOTES:
1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
  4. ALL SLAB ARE 6"-TH. EXCEPT NOTED OTHERWISE

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
RAMP SECTIONAL DETAILS					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G13		0	
SUBM. HINA MUMTAZ					

S Y M B O L S      A N D      D E S C R I P T I O N S      G E N E R A L      N O T E S

ELECTRICAL WORKS		
S. #	SYMBOL	DESCRIPTION
1		MSB --- MAIN SWITCH BOARD
2		EDB --- EMERGENCY DISTRIBUTION BOARD
3		INSTRUMENTS PROTECTION FUSES (THREE NOS.)
4		PDB --- POWER DISTRIBUTION BOARD
5		TRIPLE POLE, 500 VOLTS, MOULDED CASE CIRCUIT BREAKER (RUPURING CAPACITY INDICATED ON THE DRAWINGS & MENTIONED IN THE RELEVANT BOQ ITEM)
6		TRIPLE POLE, 500 VOLTS, MINIATURE CIRCUIT BREAKER (RUPURING CAPACITY INDICATED ON THE DRAWINGS & MENTIONED IN THE RELEVANT BOQ ITEM)
7		SINGLE POLE, 250 VOLTS, MINIATURE CIRCUIT BREAKER (RUPURING CAPACITY INDICATED ON THE DRAWINGS & MENTIONED IN THE RELEVANT BOQ ITEM)
8		THREE NOS. SINGLE PHASE CURRENT TRANSFORMERS (TRANSFORMATION RATIOS INDICATED ON DRAWINGS)
9		PHASE INDICATION LAMPS R - RED            Y - YELLOW            B - BLUE
10		CEILING FAN 56 INCH
11		EXHAUST FAN WITH METALLIC BLADES (10" DIA)
12		VSS - VOLTMETER SELECTOR SWITCH (RY-YB-BR-OFF-RN)
13		ASS - AMMETER SELECTOR SWITCH (R-Y-B-OFF)
14		AC AMMETER (MEASURING RANGE INDICATED ON DRAWING) (DIGITAL)
15		AC VOLTMETER (MEASURING RANGE INDICATED ON DRAWING) (DIGITAL)
16		EXHAUST FAN WITH METALIC BLADES & MOUNTING RING (12" DIA)
17		CCTV CAMERA POINT
18		LIGHT CONTROL SWITCHES AND FAN DIMMERS
19		TWO WAY LIGHT CONTROL SWITCH
20		13 AMPS 250 VOLTS COMBINED 2 + 3 PIN SWITCH SOCKET UNIT
21		15 AMPS 250 VOLTS COMBINED 3 PIN SWITCH SOCKET UNIT
22		20 AMPS FLEX OUTLET 250 VOLTS FOR AC
23		
24		

LIGHTING FIXTURES		
S. #	SYMBOL	DESCRIPTION
1		SURFACE MOUNTED 20W LED BATTEN, 2 FEET
2		SURFACE MOUNTED 20W LED BATTEN, 4 FEET
3		BULKHEAD OUTDOOR LIGHT 12W
4		SURFACE/ CEILING MOUNTED LED DOWNLIGHT 7W
5		10W SURFACE/ RECESSED MOUNTED LED DOWN LIGHT
6		SURFACE MOUNTED LIGHT FIXTURE WITH 3800 LUMENS
7		10W RECESSED DOWN LIGHTER
8		
9		

COMMUNICATIONS SYSTEMS		
S. #	SYMBOL	DESCRIPTION
1		RJ 45 OUTLET FOR VOICE (EXT LINE)
2		TV POINT
3		RJ 45 SOCKET OUTLET (FOR NETWORKING)
4		
5		
6		
7		
8		

ELECTRICAL SYSTEMS

1.

FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL ELECTRICAL DRAWINGS. THE INSTRUCTIONS IN THESE NOTES SHALL BE FOLLOWED UNLESS STATED OTHERWISE.

2.

THESE NOTES SHALL BE APPLICABLE TO THE ENTIRE ELECTRICAL WORKS. IF THE SITE CONDITIONS NECESSITATE ANY ALTERATIONS OR DEVIATIONS THE DIRECTIONS OF THE ENGINEER SHALL BE OBSERVED AS FINAL INSTRUCTIONS.

3.

ALL ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH BOQ, TECHNICAL SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING AND HVAC DRAWINGS & ALL OTHER RELEVANT DETAILS.

4.

DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUT AND DETAILED DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE ACTUAL DIMENSIONS/ MEASUREMENTS ACCORDING TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.

5.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL ACCORDING TO THE GENERAL CONDITIONS OF CONTRACT WELL IN TIME BEFORE COMMENCEMENT OF THAT WORK.

6.

PROPER CO-ORDINATION OF ELECTRICAL WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.

7.

ALL NON-CURRENT CARRYING PARTS i.e. OUTER CASINGS OF EQUIPMENT SUCH AS HT & LT PANELS, DISTRIBUTIONS BOARDS, CABLE TRAYS, AUXILIARY CONSTRUCTIONS FOR EQUIPMENT ETC. SHALL BE CONNECTED TO THE GROUNDING/EARTHING SYSTEM AT REQUIRED NUMBER OF POINTS WITH SPECIFIED SIZES OF CONDUCTORS. WATER PIPES ALONG ELECTRICAL LINE SHALL BE BONDED TO THE EARTHING SYSTEM WITH 10mm<sup>2</sup> SINGLE CORE, COPPER CONDUCTOR PVC CABLE.

8.

ELECTRICAL POINTS FOR EQUIPMENT SHALL BE INSTALLED IN CO-ORDINATION WITH THE RELEVANT DRAWINGS OF OTHER SERVICES, SUCH AS COMMUNICATION SYSTEMS, HVAC, PLUMBING ETC. THE LOCATION ON ELECTRICAL DRAWINGS IS ONLY INDICATIVE.

9.

ARRANGEMENT OF ELECTRICAL EQUIPMENTS ON ELECTRICAL DRAWINGS ARE TENTATIVE. EXACT ARRANGEMENT OF EQUIPMENTS SHALL BE MADE IN VIEW OF ITS PHYSICAL DIMENSIONS AND EASE OF MAINTENANCE.

10.

LOADS ON ALL PHASES SHALL BE BALANCED AT THE TESTING/ COMMISSIONING STAGE.

11.

CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER OF TWO INCHES FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.

12.

RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED SIZES AS PROTECTIVE EARTH CONDUCTOR (ECC) ALL ALONG LIGHT AND POWER WIRING. WHEREVER THE SIZE IS NOT SPECIFIED THE FOLLOWING CRITERIA SHALL BE OBSERVED TO DETERMINE MINIMUM CROSS SECTIONAL AREA OF EARTH CONTINUITY CONDUCTOR(ECC) IN RELATION TO THE AREA OF ITS PHASE CONDUCTORS. RUN SEPARATE ECC FOR EACH CIRCUIT.  
- ECC & PHASE CONDUCTOR OF SAME SIZE FOR UPTO AND INCLUDING 16mm<sup>2</sup> CABLES.  
- 16mm<sup>2</sup> ECC FOR PHASE CONDUCTOR OF 16mm<sup>2</sup>, 25mm<sup>2</sup> & 35 mm<sup>2</sup> CABLES.  
- FOR CABLES OF 50mm<sup>2</sup> AND ABOVE SIZES, ECC IS HALF SIZE OF PHASE CONDUCTOR.  
- MAXIMUM SIZE OF ECC IS 70mm<sup>2</sup>.

13.

THE MAXIMUM CAPACITY OF PVC CONDUITS FOR SIMULTANEOUS DRAWING OF PVC INSULATED CABLES SHALL BE DETERMINED AS PER BS 4607. THE FOLLOWING TABLE SHALL BE USED TO DETERMINE THE MAXIMUM NUMBER OF CABLES.

S. #	NOMINAL CONDUCTOR SIZE (SQ.MM)	NO. & DIA OF WIRES	NOMINAL OVERALL DIA (3/4" DIA)	20 MM DIA (3/4" DIA)	25 MM DIA (1" DIA)	32 MM DIA (1 1/4" DIA)
1	1.5	1/1.38	3.1	10	18	30
2	2.5	1/1.78	3.5	8	14	23
3	2.5	7/0.67	3.8	7	12	20
4	4	7/0.85	4.3	5	9	15
5	6	7/1.04	4.9	4	7	12
6	10	7/1.35	6.2	2	4	7
7	16	7/1.70	7.3	-	3	5
8	25	7/2.14	9.0	-	2	3
9	35	19/1.53	10.3	-	-	2

14.

NORMAL & EMERGENCY CIRCUITS SHALL RUN IN SEPARATE CONDUITS.

15.

ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED VOLTAGE GRADE AND SIZES.

16.

THE WIRING SHALL BE CONTINUOUS LOOPING-IN TYPE AND NO JOINT IN WIRES SHALL BE ALLOWED.

17.

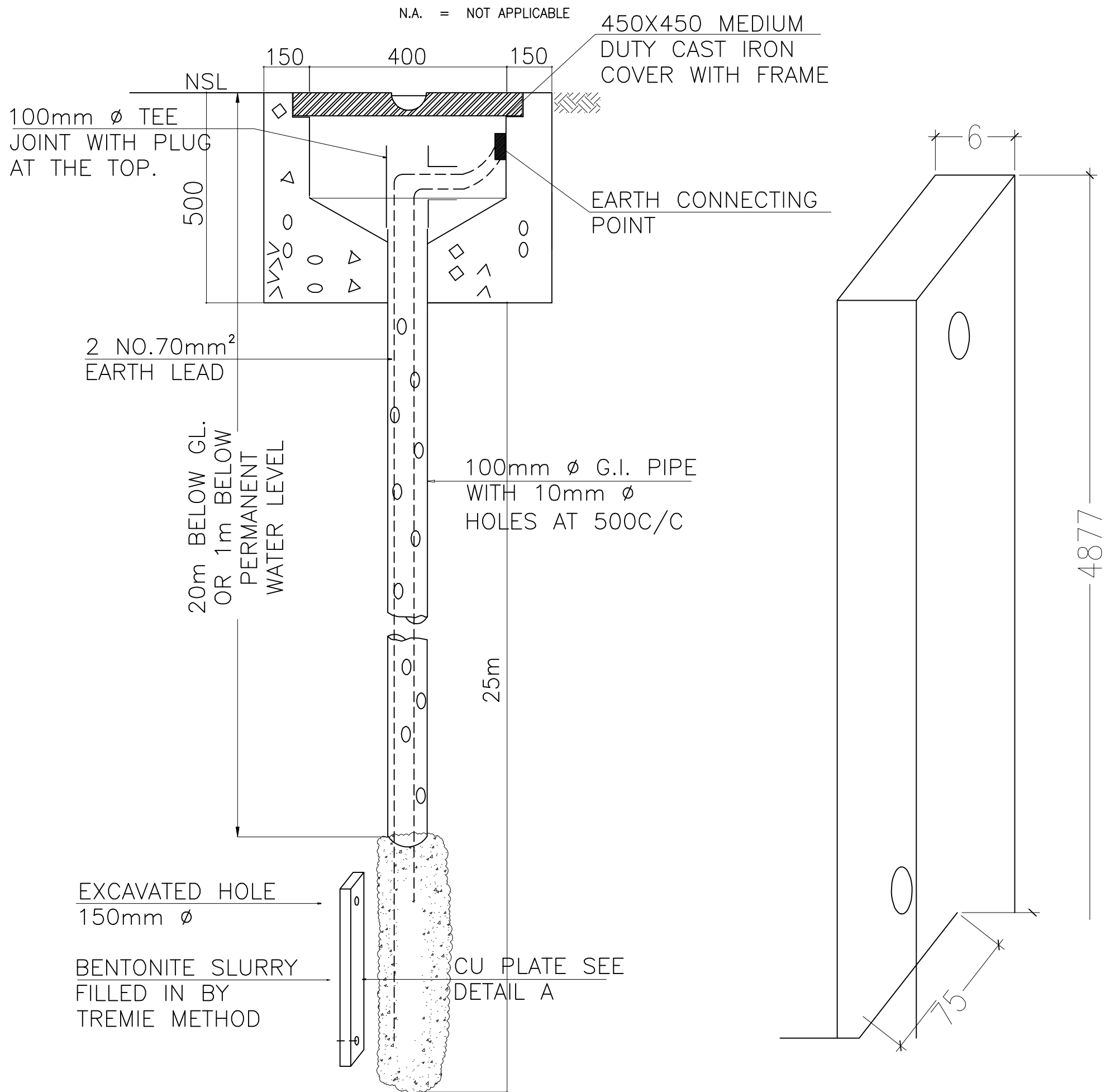
THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION.

18.

MOUNTING HEIGHTS OF ELECTRICAL FITTINGS WHEN MEASURED FROM FINISHED FLOOR LEVEL(F.F.L.) TO THE BOTTOM OF FITTINGS SHALL BE AS UNDER, UNLESS OTHERWISE SHOWN OR INSTRUCTED.

MAIN SWITCH BOARD	48 INCHES
DISTRIBUTION BOARD	48 INCHES
CONTROL PANEL	48 INCHES
ON/OFF PUSH BUTTON STATION	48 INCHES
DIMMER CONTROL UNIT	48 INCHES
LIGHT CONTROL SWITCH(ONE WAY/TWO WAY)	48 INCHES
5A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
15A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
20A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
20A SOCKET FOR A/C OUTLET	66 INCHES
15A SOCKET OUTLETS IN KITCHEN(ABOVE COUNTER)	10 INCHES
15A SOCKET OUTLETS IN TOILETS	48 INCHES
16A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS.	48 INCHES
32A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS.	48 INCHES
63A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS.	48 INCHES
CEILING FAN	96 INCHES
WALL FAN	84 INCHES
EXHAUST FAN	REFER ARCH. DRGS.

COMMUNICATION SYSTEMS															
1.	FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL COMMUNICATION SYSTEMS DRAWINGS. THE INSTRUCTIONS IN THESE NOTES SHALL BE FOLLOWED UNLESS STATED OTHERWISE.														
2.	THESE NOTES SHALL BE APPLICABLE TO THE ENTIRE COMMUNICATION SYSTEMS WORKS. IF THE SITE CONDITIONS NECESSITATE ANY ALTERATIONS OR DEVIATIONS THE DIRECTIONS OF THE ENGINEER SHALL BE OBSERVED AS FINAL INSTRUCTIONS.														
3.	ALL COMMUNICATION SYSTEMS DRAWINGS SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATIONS, ITEMS OF B.O.Q., ARCHITECTURAL STRUCTURAL, HVAC, PLUMBING DRAWINGS AND ALL OTHER RELEVANT DETAILS.														
4.	DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUT AND DETAILED DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE ACTUAL DIMENSIONS/MEASUREMENTS ACCORDING TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.														
5.	THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL ACCORDING TO THE GENERAL CONDITIONS OF CONTRACT WELL IN TIME BEFORE COMMENCEMENT OF THAT WORK.														
6.	PROPER CO-ORDINATION OF COMMUNICATION SYSTEMS WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.														
7.	TELEPHONE SYSTEM SHALL BE COMPLETE WITH INSTRUMENTS, EQUIPMENT AND INTERCONNECTING WIRING, TELEPHONE EXCHANGE, TELEPHONE OUTLETS, JUNCTION BOXES, CONDUITS OF SPECIFIED SIZES IN THE BUILDING, AND UNDERGROUND PIPES OF SPECIFIED SIZES SHOWN ON DRAWINGS SHALL BE PROVIDED. WHERE SIZE OF CONDUIT/PIPE IS NOT SPECIFIED SUITABLE SIZE SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.														
8.	POINTS FOR COMMUNICATION SYSTEMS EQUIPMENT SHALL BE INSTALLED IN CO-ORDINATION WITH THE RELEVANT DRAWINGS OF OTHER SERVICES, SUCH AS ELECTRICAL, HVAC, PLUMBING ETC. THE LOCATION ON COMMUNICATION SYSTEMS DRAWINGS IS ONLY INDICATIVE.														
9.	ARRANGEMENT OF COMMUNICATION SYSTEMS EQUIPMENTS ON DRAWINGS ARE TENTATIVE EXACT ARRANGEMENT OF EQUIPMENTS SHALL BE MADE IN VIEW OF ITS PHYSICAL DIMENSIONS AND EASE OF MAINTENANCE.														
10.	CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER 2 INCHES FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.														
11.	RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED SIZES AS PROTECTIVE EARTH CONDUCTOR (ECC) ALL ALONG COMMUNICATION SYSTEMS WIRING.														
12.	ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED VOLTAGE GRADE AND SIZES.														
13.	THE WIRING SHALL BE CONTINUOUS LOOPING-IN TYPE AND NO JOINT IN WIRES SHALL BE ALLOWED.														
14.	THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION.														
15.	MOUNTING HEIGHTS OF ELECTRICAL FITTINGS WHEN MEASURED FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF FITTINGS SHALL BE AS UNDER, UNLESS OTHERWISE SHOWN OR INSTRUCTED.														
<table><tr><td>TELEPHONE JUNCTION BOX</td><td>10 INCHES</td></tr><tr><td>TELEPHONE OUTLET</td><td>10 INCHES</td></tr><tr><td>INTERCOM CONTROL PACK</td><td>10 INCHES</td></tr><tr><td>INTERCOM STATION (WALL MOUNTED)</td><td>36 INCHES</td></tr><tr><td>FA SYSTEM CONTROL PANEL</td><td>10 INCHES</td></tr><tr><td>MANUAL CALL STATION</td><td>42 INCHES</td></tr><tr><td>AUDIO ALARM</td><td>100 INCHES</td></tr></table>		TELEPHONE JUNCTION BOX	10 INCHES	TELEPHONE OUTLET	10 INCHES	INTERCOM CONTROL PACK	10 INCHES	INTERCOM STATION (WALL MOUNTED)	36 INCHES	FA SYSTEM CONTROL PANEL	10 INCHES	MANUAL CALL STATION	42 INCHES	AUDIO ALARM	100 INCHES
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FA SYSTEM CONTROL PANEL	10 INCHES														
MANUAL CALL STATION	42 INCHES														
AUDIO ALARM	100 INCHES														



EARTH ELECTRODE

DETAIL A

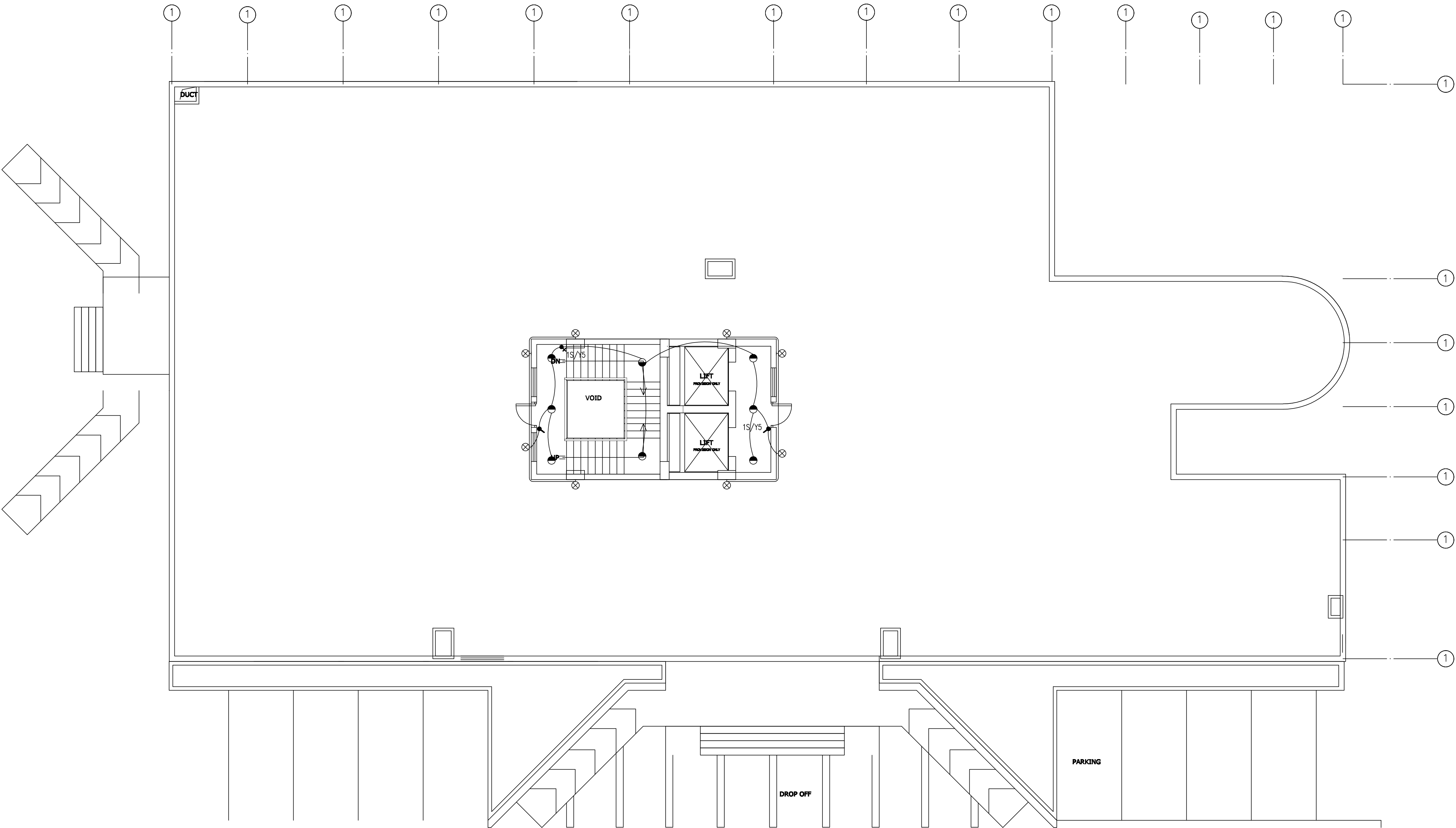
PLATE TYPE EARTH ELECTRODE

REFERENCE DRAWINGS		REV. NO.	DATE		CKD.	APPR.	

DESIGNED BY: <b>NESPAK</b>	RECOMMENDED BY: <b>Kaleem</b>	VERIFIED BY: <b>Kaleem</b>	APPROVED BY: <b>Wajahat</b>
DRAWN BY: <b>Navsod</b>			
FILED BY: <b>Kaleem</b>	DATE: <b>NOV., 2022</b>	DRAWING NO.: <b>4199/325/BD/01E01</b>	REV.: <b>0</b>
SUBMITTED BY: <b>Wajahat</b>			







UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL BANNU ROOF LIGHTING LAYOUT			
NEE NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPak	RECOMMENDED	VER./CKD.	APPROVED
DWN. Navod	Kaleem	Kaleem	Wajahat
FILE			
CKD. Kaleem	DATE	DRAWING NO.	REV.
SUBM. Wajahat	NOV., 2022	4199/325/BD/01E04	0

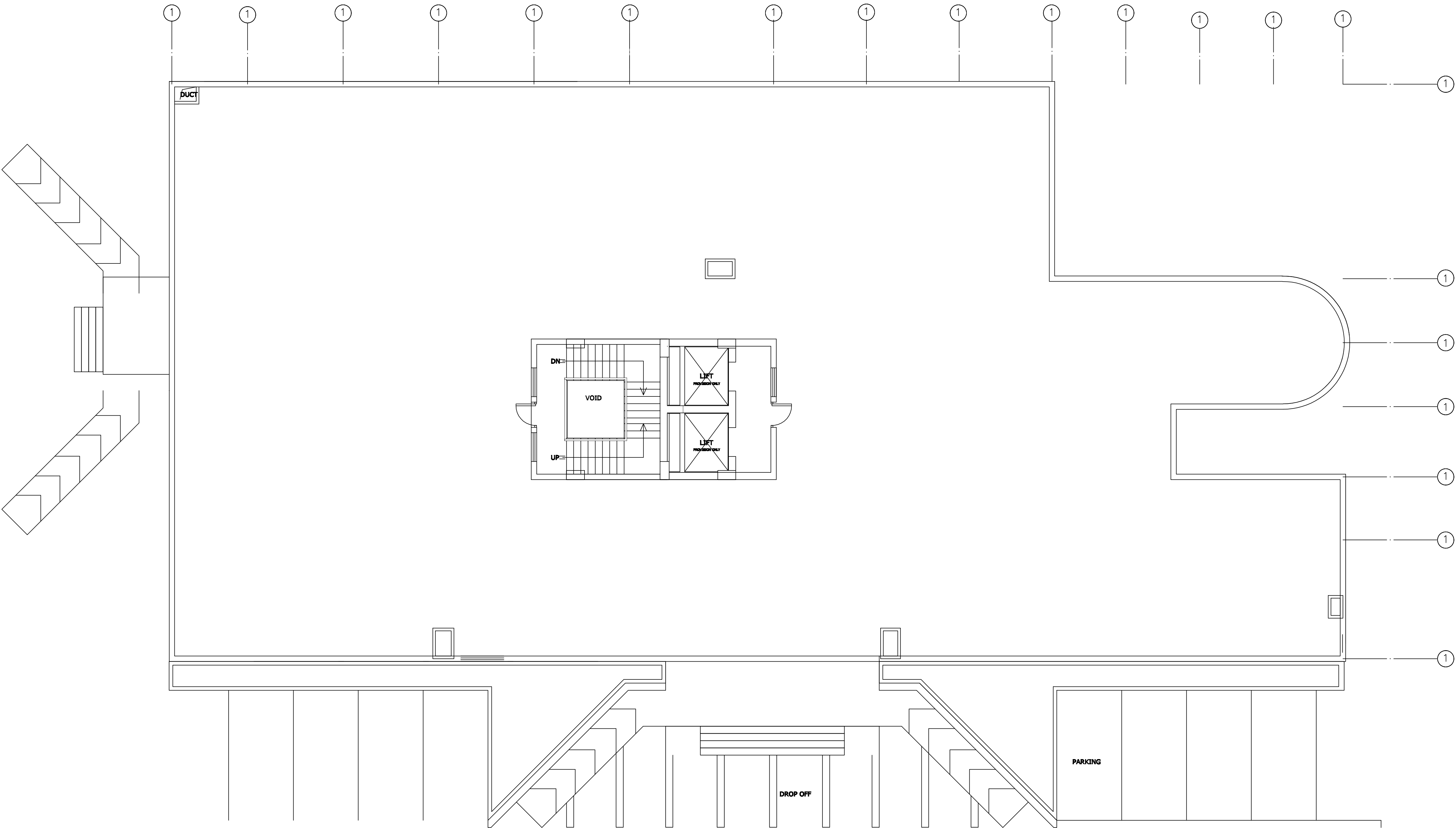
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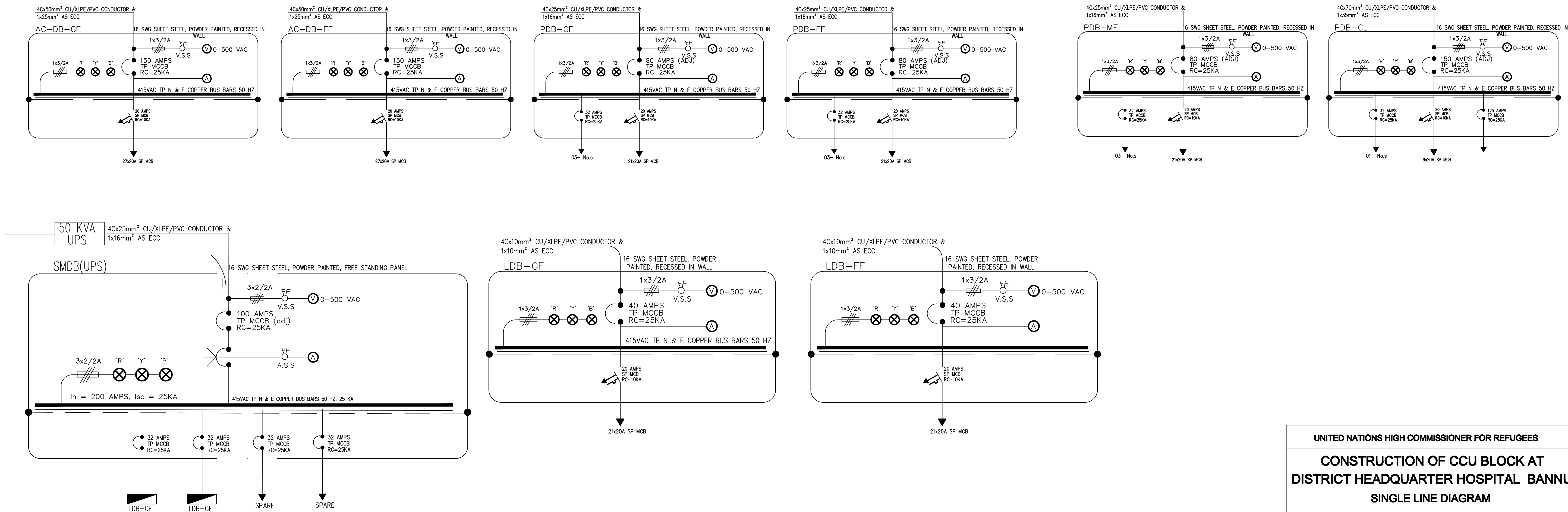
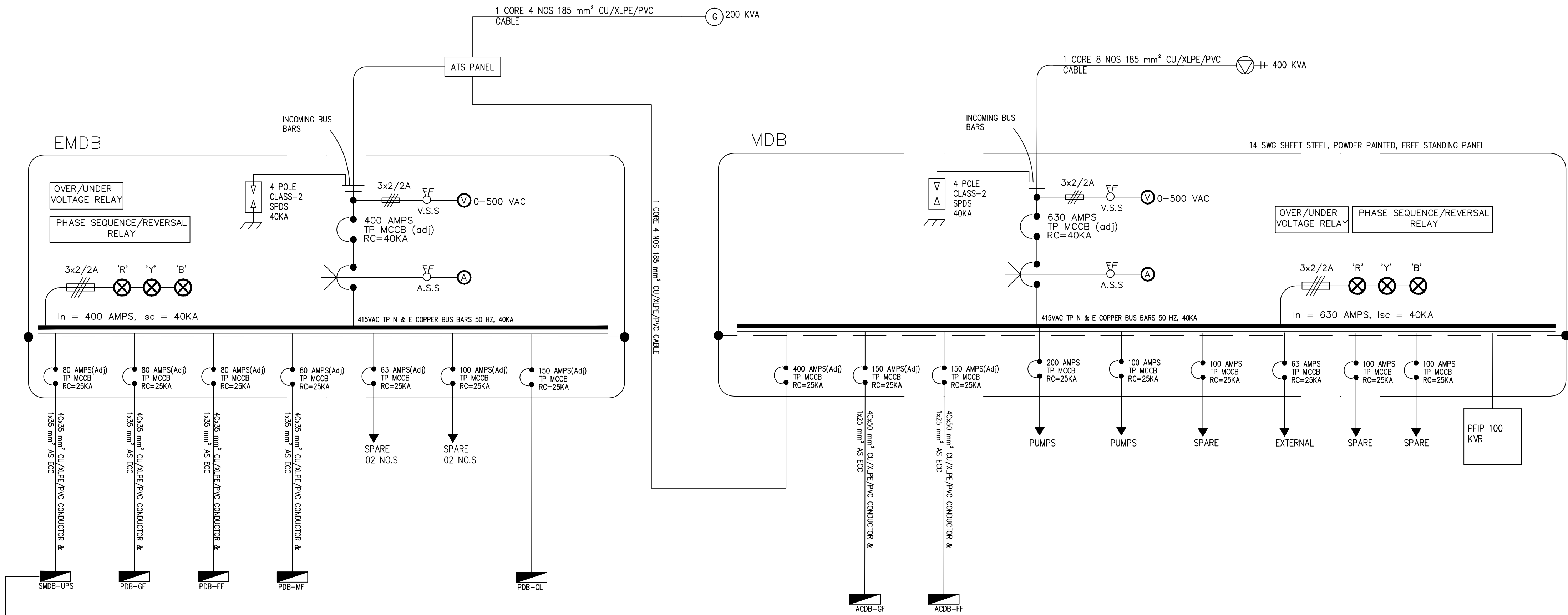
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES

CONSTRUCTION OF CCU BLOCK AT  
DISTRICT HEADQUARTER HOSPITAL BANNU  
SECOND FLOOR PLAN  
POWER LAYOUT

NATIONAL ENGINEERING SERVICES  
PAKISTAN (PVT.) LTD. ISLAMABAD

DESIGN. NESP	RECOMMENDED	VER/CKD.	APPROVED
DWN. Navod	Kaleem	Kaleem	Wajahat
FILE			
CKD. Kaleem	DATE	DRAWING NO.	REV.
SUBM. Wajahat	NOV., 2022	4199/325/BD/01E07	0

REFERENCE DRAWINGS	REV. NO.	DATE		CKD.	APPR.



UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL BANNU SINGLE LINE DIAGRAM			
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPAK	RECOMMENDED	VER/CKD.	APPROVED
DWN. Navsod	Kaleem	Kaleem	Wajahat
FILE			
CKD. Kaleem	DATE	DRAWING NO.	REV.
SUBM. Wajahat	NOV., 2022	4199/325/BD/01E08	0

REFERENCE DRAWINGS	REV. NO.	DATE	CKD.	APPR.	

ABBREVIATION	DESCRIPTION
Ø	DIAMETER OF PIPE
CW	COLD WATER PIPE
HW	HOT WATER PIPE
HWR	HOT WATER RETURN PIPE
SP	SOIL PIPE
WP	WASTE PIPE
VP	VENT PIPE
S/S	SOIL STACK
W/S	WASTE STACK
V/S	VENT STACK
T/A	TO ABOVE
T/B	TO BELOW
F/A	FROM ABOVE
F/B	FROM BELOW
U/G.	UNDER GROUND
U/F.	UNDER FLOOR
GWH	GAS WATER HEATER
SH	BATH SHOWER
MS	MUSLIM SHOWER

ABBREVIATION	DESCRIPTION
RWP	RAIN WATER PIPE
WMH	WASTE MANHOLE
SMH	SOIL MANHOLE
CP	CATCH PIT
GI	GALVANIZED IRON
GV	GATE VALVE
CV	CHECK VALVE
WC	WATER CLOSET
AF/C	ABOVE FALSE CEILING
(TYP)	TYPICAL
FT	FLOOR TRAP
H/L	HIGH LEVEL
U/F	UNDER FLOOR / LOW LEVEL
WC	WATER CLOSET
N.T.S.	NOT TO SCALE

SYMBOL	DESCRIPTION
	COLD WATER PIPE
	HOT WATER PIPE
	SOIL PIPE
	WASTE PIPE
	VENT PIPE
	GATE VALVE ON HORIZONTAL PIPE
	GATE VALVE ON VERTICAL PIPE
	CHECK VALVE OR NON–RETURN VALVE
	FLOOR CLEAN OUT
	FLOOR CLEAN OUT PLUG
	MULTI FLOOR TRAP
	FLOOR TRAP
	DIRECTION OF FLOW
	MUSLIM SHOWER
	GREASE TRAP
	GULLY TRAP
	GAS /ELECTRIC WATER HEATER
	SHOWER
	WATER COOLER
	FIRE HYDRANT
	FIRE HOSE CABINET
	ASIAN WATER CLOSET
	ENGLISH WATER CLOSET
	VANITY
	WASH HAND BASIN

**GENERAL NOTES.**

- PIPE PASSING THROUGH WALL, FLOOR OR ROOF SHALL BE PROTECTED WITH SLEEVES
- CLEANOUT OR ACCESS DOOR SHALL BE PROVIDED AT THE BASE OF ALL DRAINAGE STACK AND AT EACH FLOOR LEVEL.
- DRAINAGE STACKS SHALL BE CONNECTED TO HORIZONTAL FIXTURE DRAIN PIPES BY 90° SWEEP TEE OR Y AND 45° BEND.
- DRAINAGE STACKS SHALL BE CONNECTED TO UNDERGROUND DRAIN PIPE BY EITHER 90° LARGE/LONG RADIUS BEND OR TWO 45° BENDS.
- PIPE SIZES ARE IN INCHES.
- PLUMBING SERVICES, SHALL BE CO–ORDINATED WITH OTHER SERVICES SUCH AS ELECTRICAL, HVAC ETC. TO AVOID CONFLICT OR INTERFERENCE WITH THEM.
- SIZE OF FLOOR DRAIN UNLESS OTHERWISE STATED SHALL BE SAME AS THE SIZE OF OUTLET DRAIN PIPE.
- WHEREVER FLOOR DRAIN/TRAP IS SHOWN, SLOPE FLOOR TOWARDS DRAIN/TRAP.
- HORIZONTAL DRAINAGE PIPING OF 3 INCH DIAMETER & LESS SHALL BE INSTALLED WITH A SLOPE OF NOT LESS THEN 1/4 INCH PER FOOT, LARGER ONES WITH A SLPOE OF NOT LESS THEN 1/8 INCH PER FOOT.
- VENT PIPES SHALL BE EXENDED ONE METER ABOVE ROOF FINISHED LEVEL AND VENT COWLS SHALL BE PROVIDED ON EACH VENT OUTLET.
- THE "VERTICAL DISTANCE" FROM FIXTURE OUTLET TO THE TRAP WEIR SHALL PREFERABLY BE NOT MORE THAN 12 INCHES. HOWEVER, THIS "VERTICAL DISTANCE" FROM THE FIXTURE OUTLET TO THE TRAP WEIR SHALL NOT EXCEED 24 INCHES.

**GENERAL NOTES.**

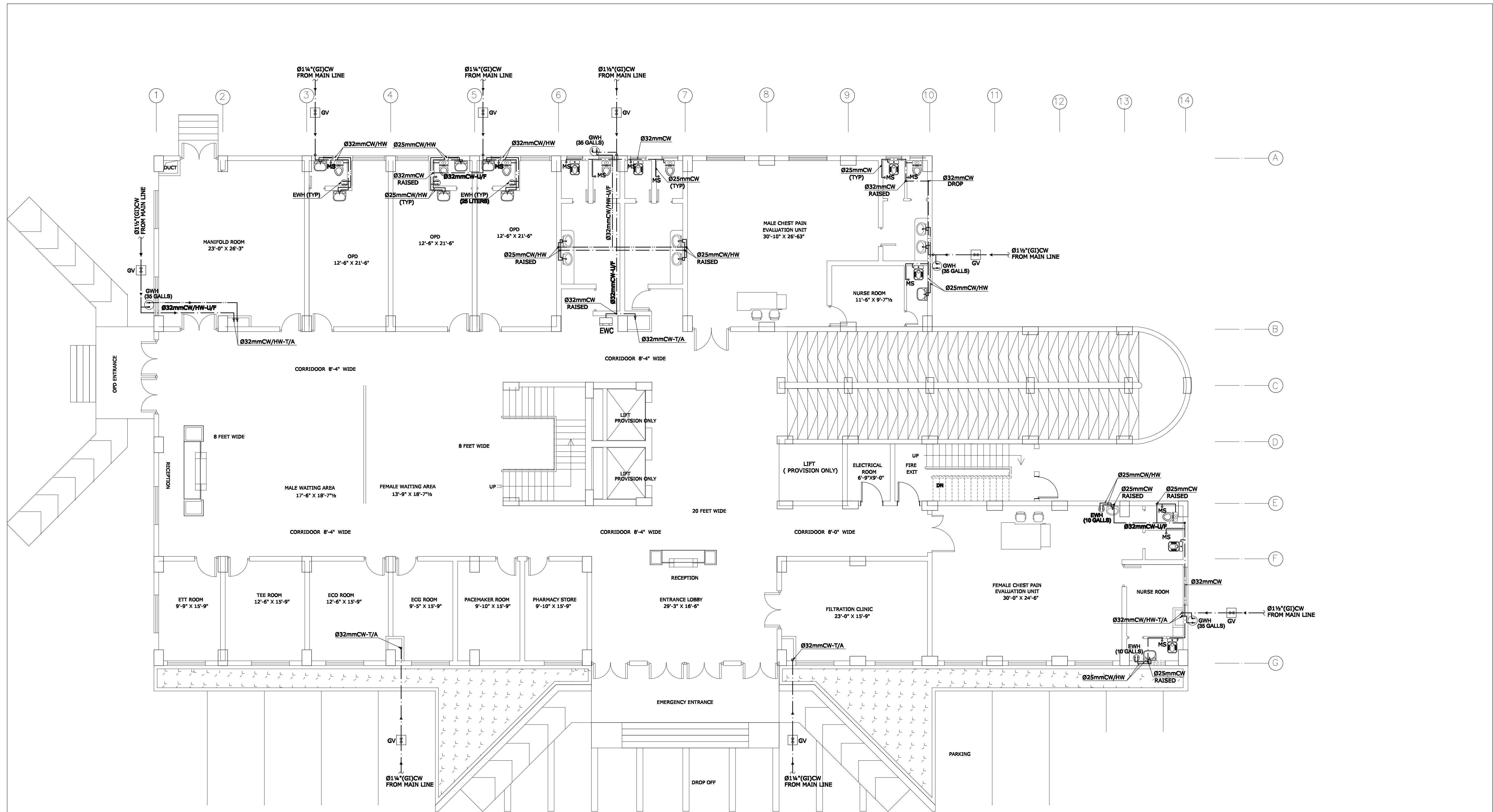
- WHERE THE CHANGE OF DIRECTION IS 45° OR LESS, IT IS NOT NECESSARY TO PROVIDE A CLEAN OUT. BUT WHEN THE CHANGE IN DIRECTION IS MORE THAN 45°, A CLEAN OUT SHOULD BE REQUIRED.
- CLEANOUTS SHALL BE SO INSTALLED THAT THERE IS A CLEARANCE OF NOT LESS THAN 18 INCHES FOR THE PURPOSE OF RODDING.
- ALL TRAPS AND FLOOR DRAINS SHALL HAVE A WATER SEAL NOT LESS THAN 2 INCHES.
- NO T–CONNECTION IS ALLOWED IN SOIL AND WASTE PIPING.
- ALL PLUMBING DUCTS MUST HAVE ACCESS PANELS AT EACH FLOOR.
- ALL PLUMBING DUCTS MUST BE PLASTERED WITH 1:3 C/S WATER PROOF PLASTER BEFORE INSTALLATION OF PIPES ETC.
- TYPICAL OUTLET SIZE OF FIXTURES SHALL BE AS FOLLOWS;  
WATER CLOSET 4"  
FLOOR DRAIN 3"  
SHOWER / TUB 2"
- MINIMUM SIZE OF WATER SUPPLY DISTRIBUTION PIPE SHALL BE 25mm.
- MINIMUM SIZE OF SOIL PIPE DIAMETER FOR SHALL BE 100mm.
- WATER FILTERS SHALL BE PROVIDED AT EACH WATER COOLER LOCATION, WITH THE SOURCE LINE.

**NOTE:**

1. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.

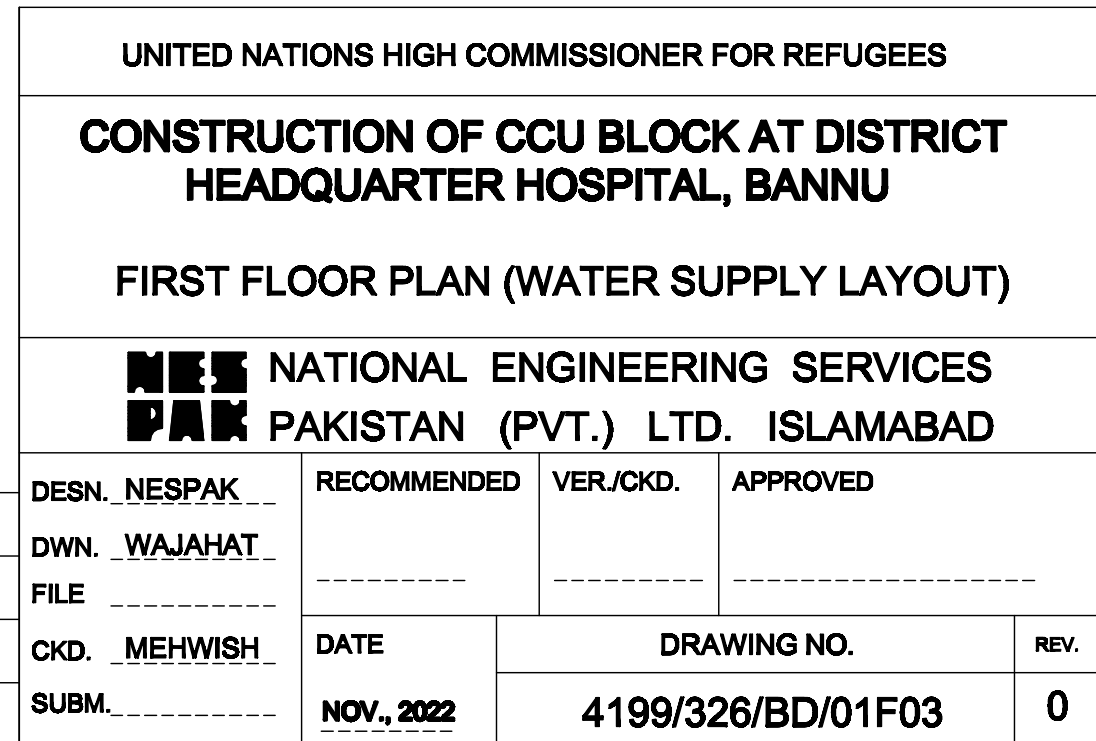
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UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU			
LEGENDS & GENERAL NOTES (PLUMBING WORKS)			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. <u>NESPAK</u>	RECOMMENDED	VER./CKD.	APPROVED
DWN. <u>WAJAHAT</u>			
FILE			
CKD. <u>MEHWISH</u>	DATE	DRAWING NO.	
SUBM. _____	NOV., 2022	4199/326/BD/01F01	
			REV. 0



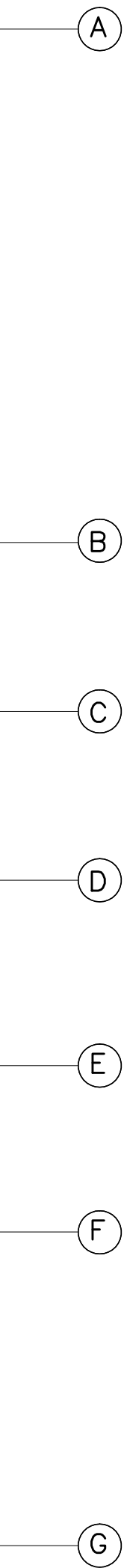
NOTE:  
1. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.

								DESN. <u>NESPAK</u>		RECOMMENDED	VER./CKD.	APPROVED	
								DWN. <u>WAJAHAT</u>					
								FILE _____					
								CKD. <u>MEHWISH</u>					
								SUBM. _____		DATE	DRAWING NO.		REV.
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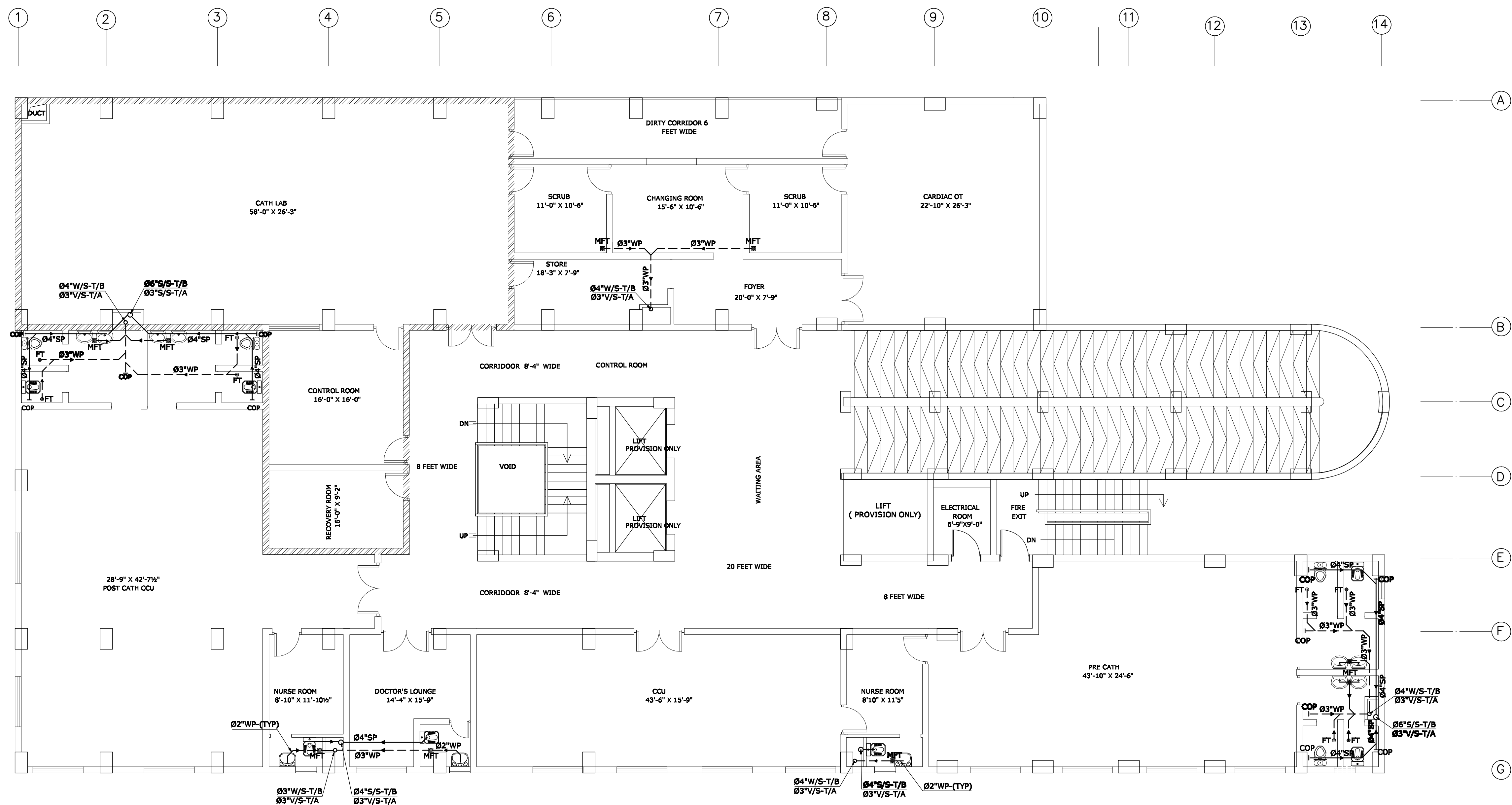


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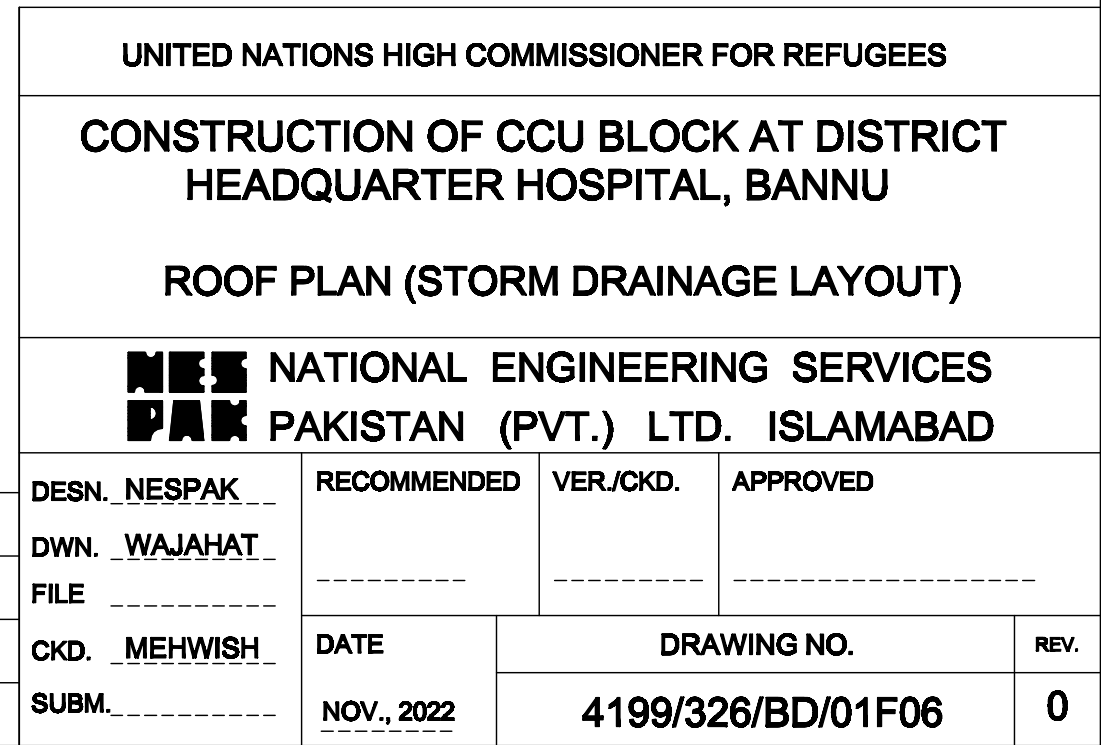
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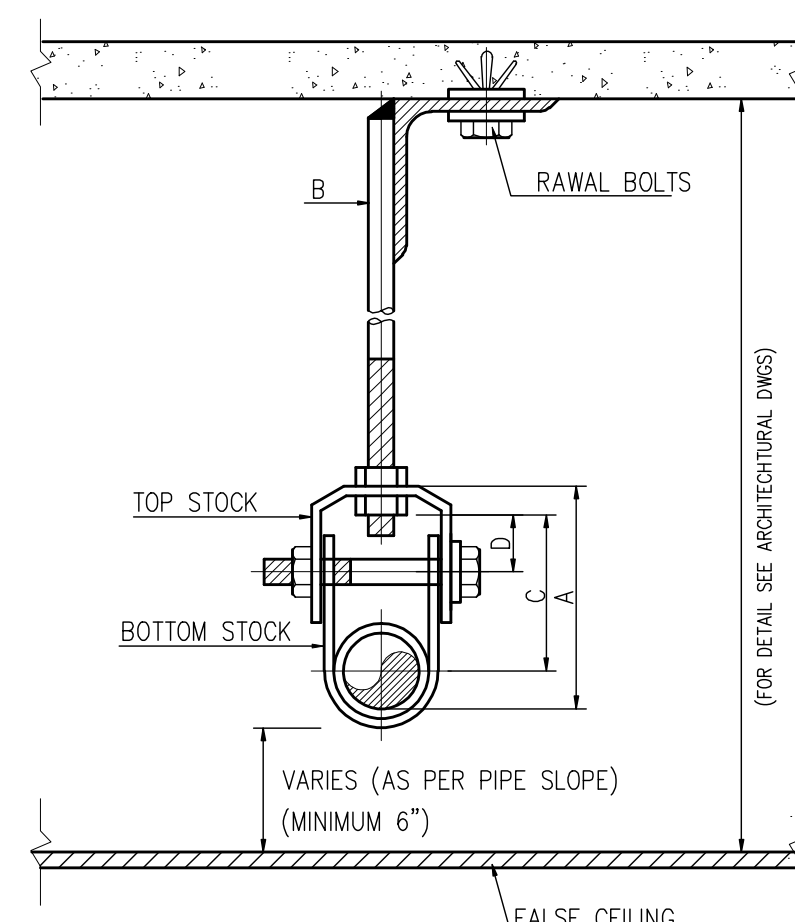
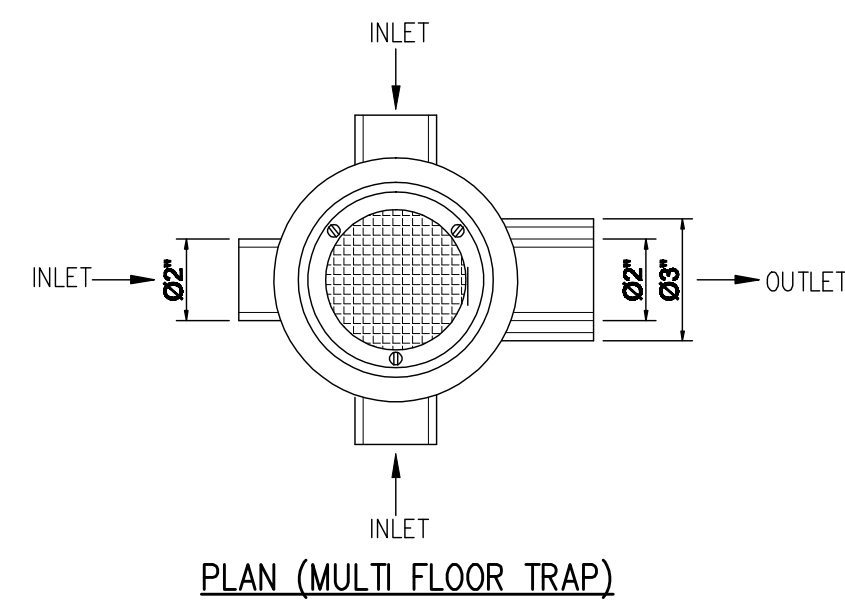
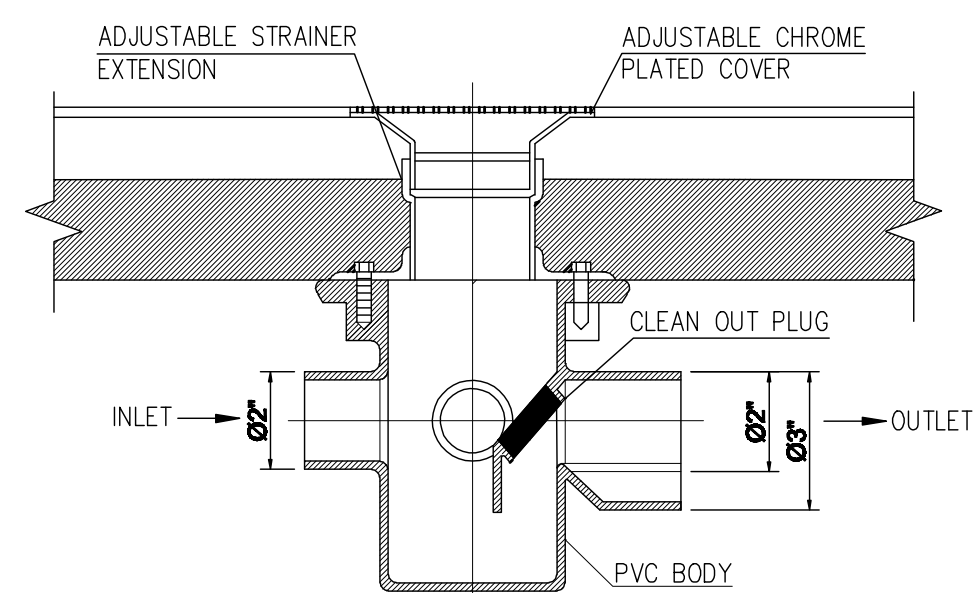
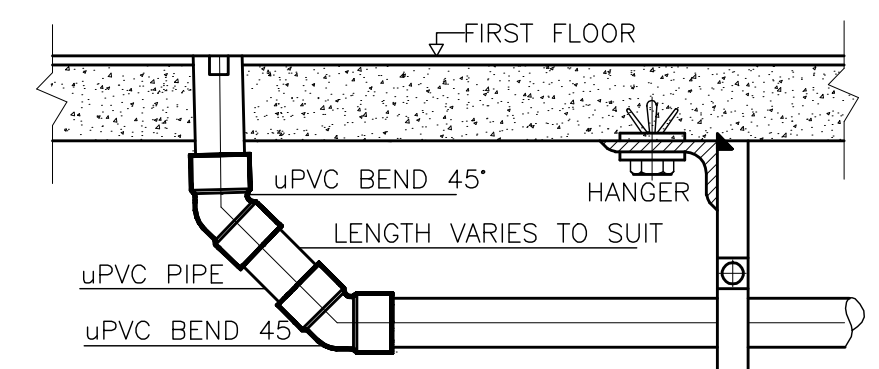
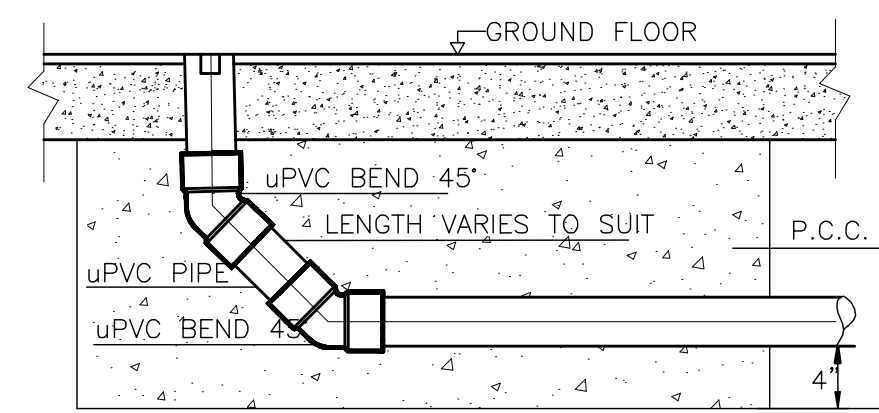
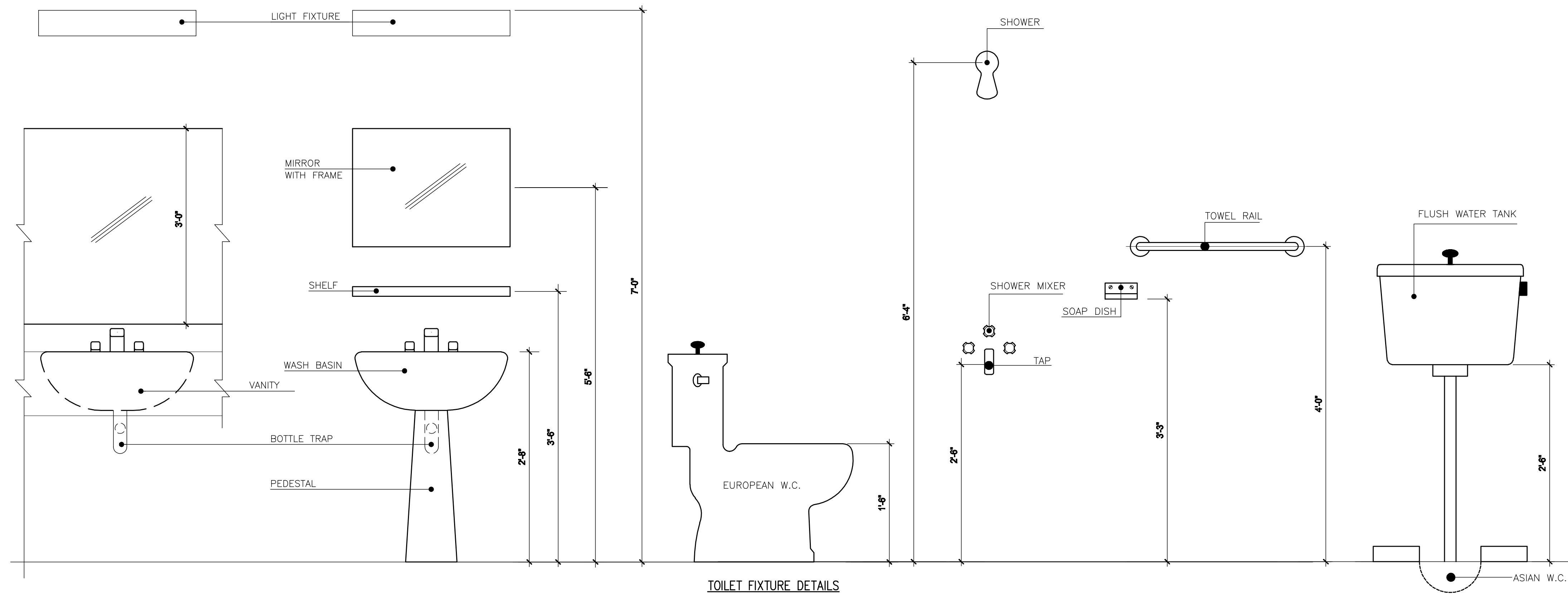


NOTE:  
1. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.

REFERENCE DRAWINGS				REV. NO.	DATE	CKD.	APPR.

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES			
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU			
FIRST FLOOR PLAN (SANITARY DRAINAGE LAYOUT)			
NES NATIONAL ENGINEERING SERVICES PAK PAKISTAN (PVT.) LTD. ISLAMABAD			
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED
DWN. WAJAHAT			
FILE			
CKD. MEHWISH	DATE	DRAWING NO.	REV.
SUBM.	NOV., 2022	4199/326/BD/01F05	0

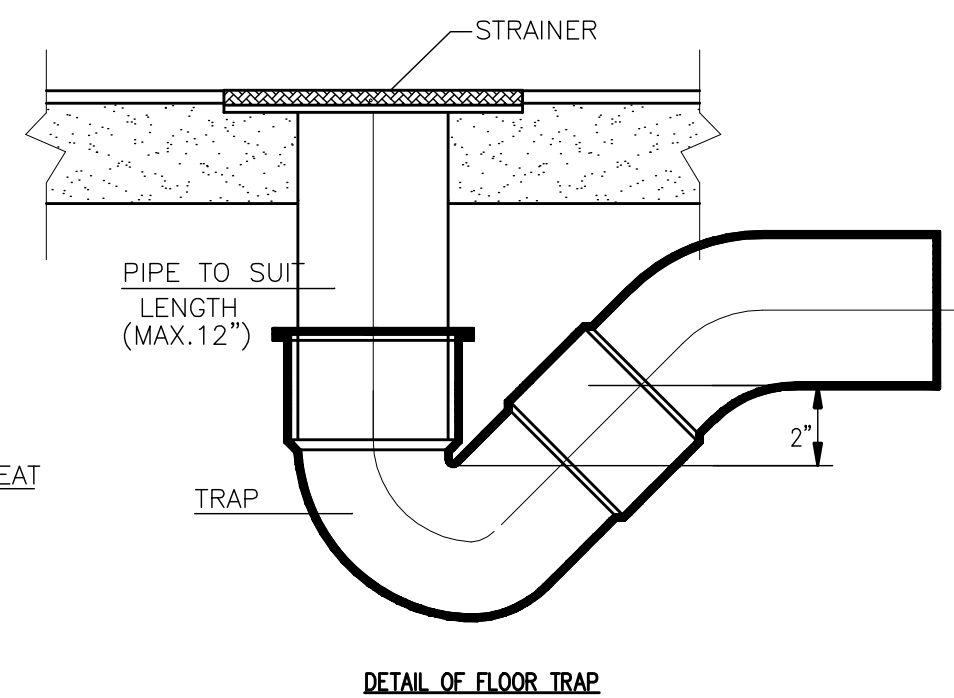
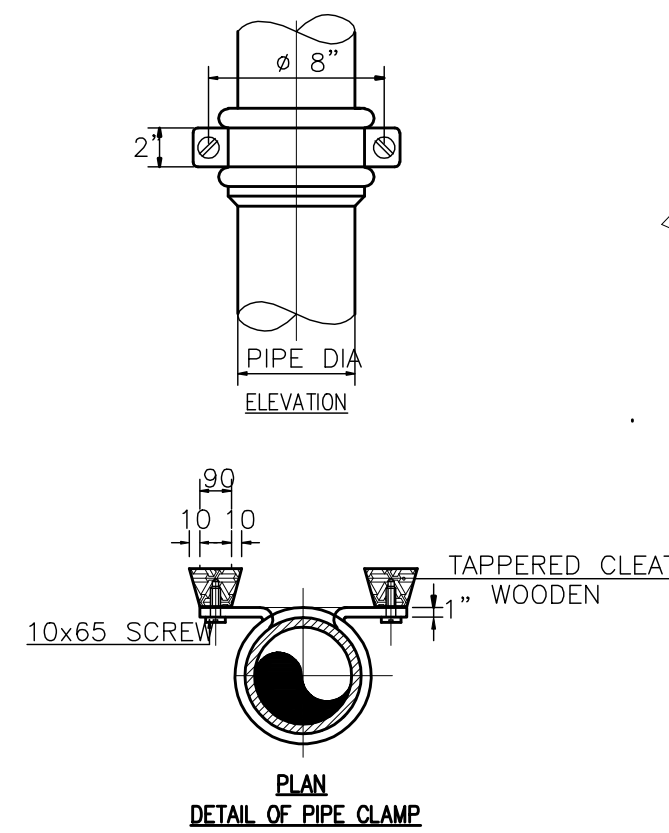
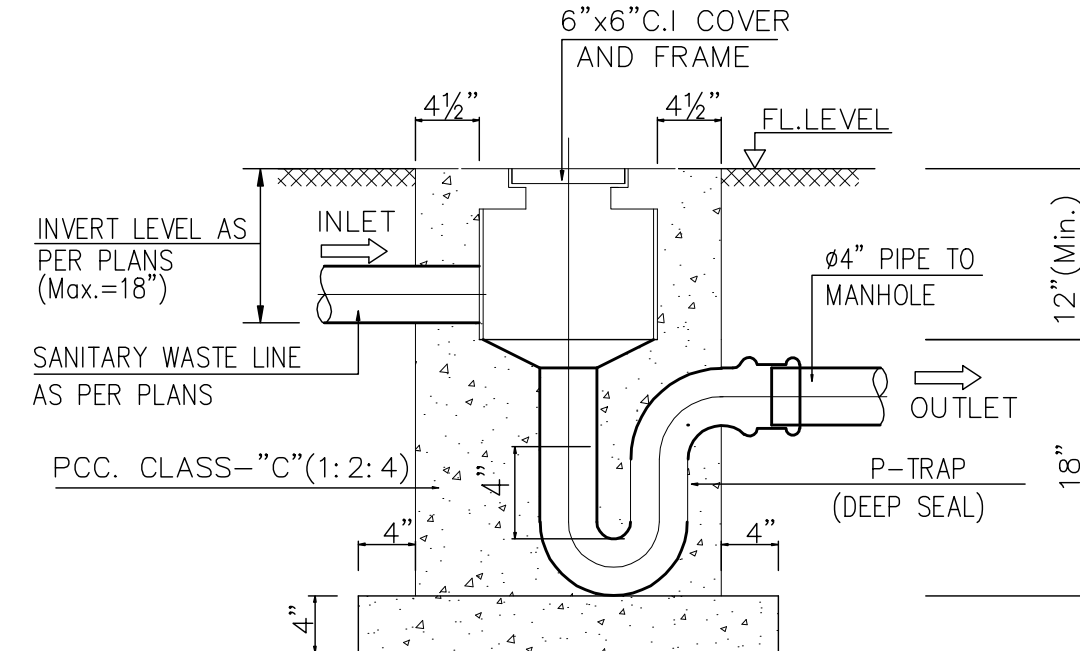
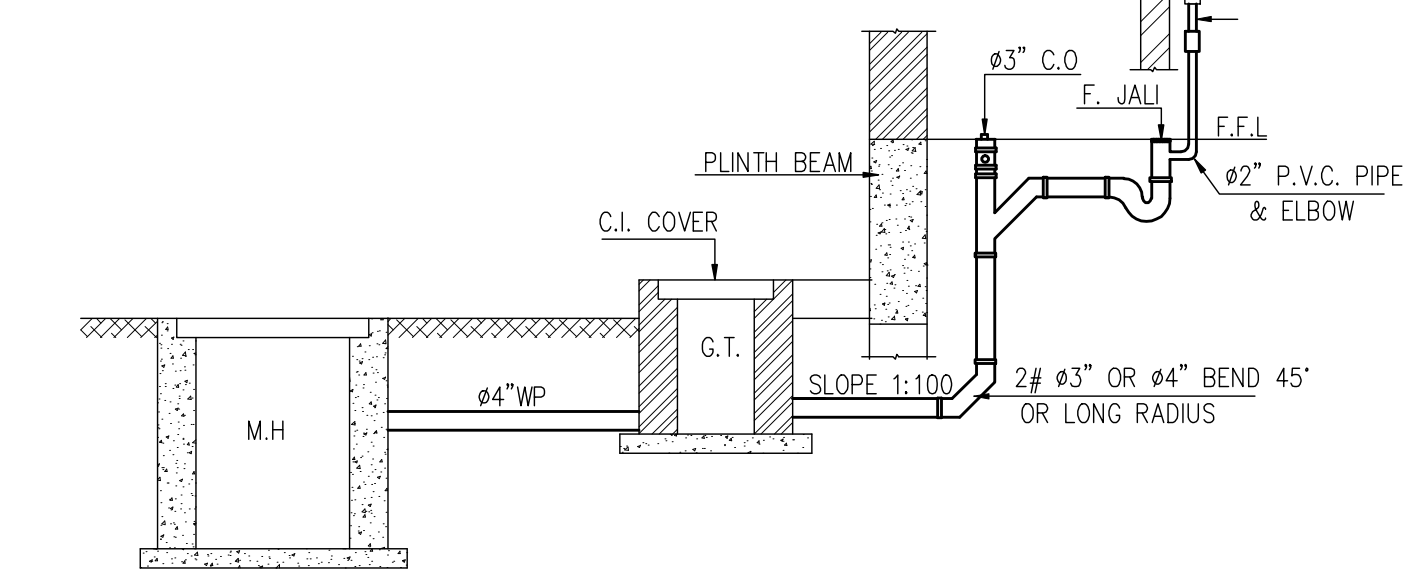
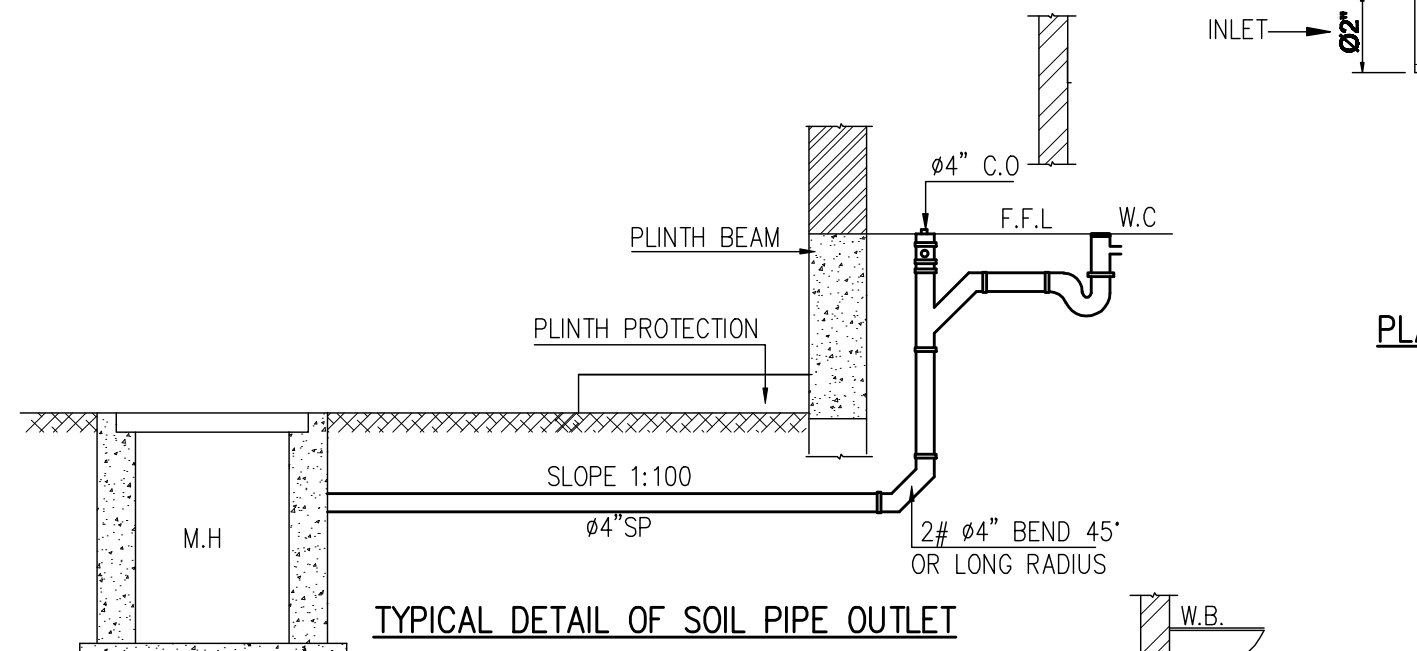
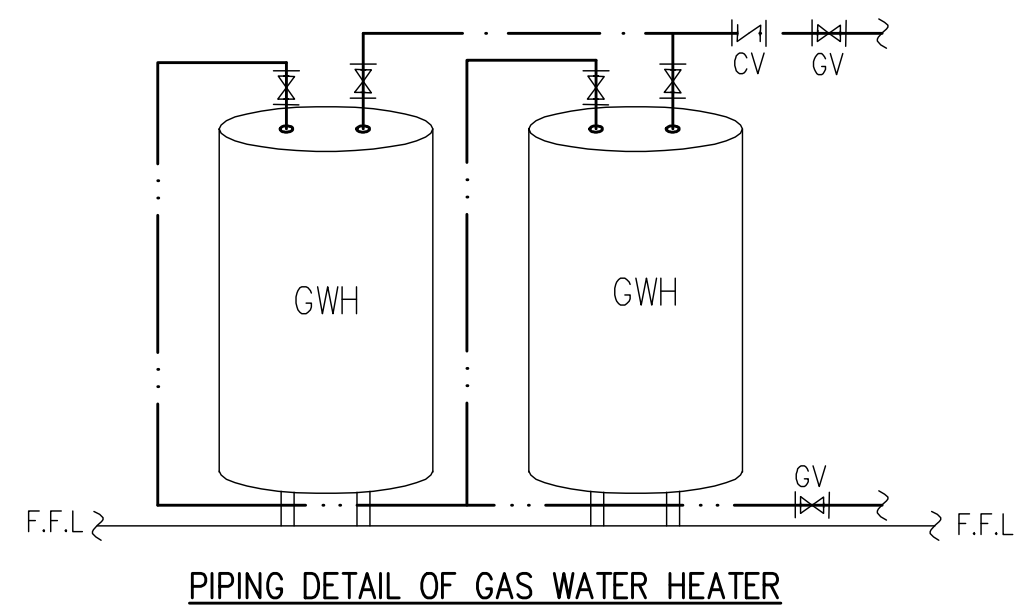
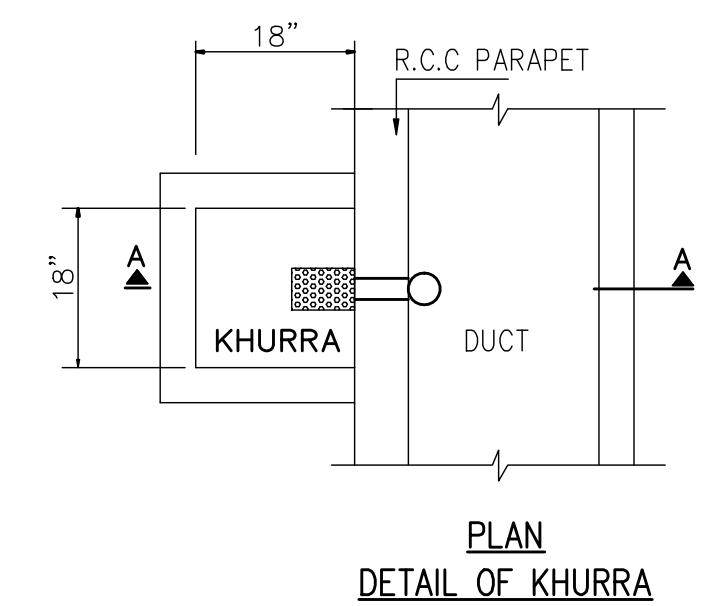
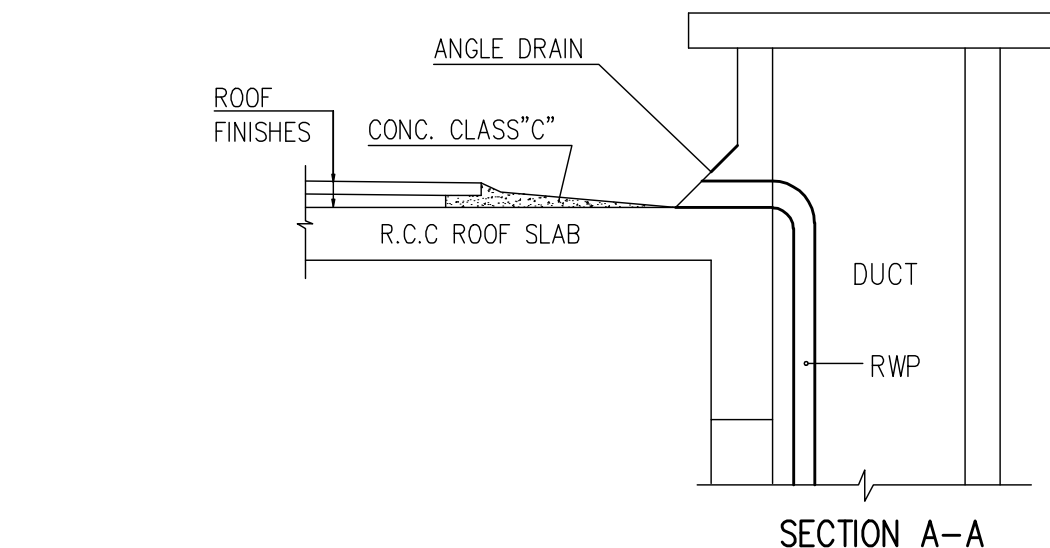




**DIMENSIONS OF HANGERS**

PIPE SIZE	A	B	C	D	BOLT SIZE	TOP STOCK	BOTTOM STOCK
50	118	10	75	33	6	3 x 25	3 x 25
75	181	13	121	44	10	5 x 31	5 x 31
100	219	16	137	53	10	6 x 31	5 x 31
125	242	16	148	53	13	6 x 31	5 x 31

(ALL DIMENSIONS ARE IN MILLIMETERS)



- NOTES:**
1. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  - 2 - PIPE PASSING THROUGH WALL, FLOOR OR ROOF SHALL BE PROTECTED WITH SLEEVES
  - 3 - FOR THICKNESS OF SLABS, WALLS REFER STRUCTURAL DRAWINGS.

UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES				
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU				
MISCELLANEOUS DETAILS (PLUMBING WORKS)				
<b>NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD</b>				
DESN. NESPAK	RECOMMENDED	VER./CKD.	APPROVED	
DWN. WAJAHAT				
FILE				
CKD. MEHWISH	DATE	DRAWING NO.		REV.
SUBM.	NOV., 2022	4199/326/BD/01F07		0

REFERENCE DRAWINGS	REV. NO.	DATE	CKD.	APPR.

GENERAL

- 1- READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL & ANY OTHER RELEVANT DRAWING.
- 2- NOTES GIVEN IN THIS DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHERWISE. NOTES WRITTEN ON A DRAWING SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY UNLESS OTHERWISE CROSS-REFERRED.
- 3- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATIONS , ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO RELEVANT BRITISH/ACI CODES AND SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- 4- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURES DURING CONSTRUCTION. HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER FOR CORRECTION AND APPROVAL.
- 5- THE CONTRACTOR SHALL CO-ORDINATE WITH ARCHITECTURAL AND VARIOUS SERVICES DRAWINGS FOR SIZES & LOCATION OF ALL STRUCTURAL MEMBERS, FLOORS, WALLS, OPENINGS, FLOOR FINISHES, PIPES ETC.
- 6- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF DEWATERING SYSTEM WHERE SO REQUIRED DURING CONSTRUCTION.
- 7- TERMITE CONTROL TREATMENT SHALL BE CARRIED OUT IN ALL BUILDINGS/ STRUCTURES.
- 8- ALL LEVELS AND DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE NOTED.
- 9- DO NOT SCALE THE DRAWINGS, DIMENSIONS GIVEN ON THE DRAWING SHALL GOVERN.
- 10- ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE BRITISH STANDARD SPECIFICATIONS.

FOUNDATION

- 1-THE DESIGN OF FOUNDATION IS BASED ON THE PARAMETERS LAID IN GEOTECHNICAL INVESTIGATION REPORT.
- 2-FOOTINGS OF COLUMNS & WALLS, FOR ALL STRUCTURES, SHALL BE PLACED ON COMPETENT BEARING STRATA. IF ACCEPTABLE BEARING STRATA IS NOT FOUND AT INDICATED DEPTHS OF FOUNDATION, THE ENGINEER SHALL BE NOTIFIED IN WRITING FOR HIS INSTRUCTION.

REINF. CONCRETE WORKS

- 1-ALL STRUCTURAL CONCRETE SHALL CONFORM TO AMERICAN STANDARD AS PER FOLLOWING TABLE.

CLASS/RATIO	NOMINAL MIX RATIO	MIN. CYLINDER STRENGTH AT 28 DAYS (PSI)
A3	—	4,000
A1	—	3,000
C	1:2:4	2,400
D	1:3:6	1,500
E	1:4:8	1,200

REINFORCING STEEL WORKS

- 1- ALL REINFORCEMENT SHALL BE DEFORMED, HOT ROLLED BILLET STEEL BARS CONFORMING TO ASTM A-615 GRADE 60 /ASTM A-706 WITH SPECIFIED YIELD STRENGTH OF NOT LESS THEN 60,000 PSI.
- ALL DETAILING SHALL BE DONE AS PER ACI-315 AND ACI-318, CHAPTER 21. IN THE STRUCTURAL DRAWINGS, THE TEXTS WITH PREFIX "#" SHOWS REINFORCEMENT, WHEREAS NUMBER INDICATES THE BAR DIAMETER/SIZE, AS UNDER:

BAR NO.	DIA SIZE (INCHES)
3	3/8
4	1/2
5	5/8
6	3/4
8	1

- 2- CONCRETE TYPE SHALL BE AS FOLLOWS

STRUCTURAL ELEMENT	COVER (INCHES)
FOOTINGS	2
BEAMS	1 1/2
COLUMNS / WALLS	1 1/2
SLABS	3/4
SLABS (WATER TANKS)	2

- 5- ALL REINF. STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND HELD FIRMLY IN PLACE BEFORE & DURING THE PLACING OF CONCRETE BY MEANS OF WIRE AND SUPPORTS ADEQUATE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION.

CONCRETE CONSTRUCTION

- 1- ALL STRUCTURAL SURFACES, AGAINST WHICH EARTH IS TO BE FILLED, SHALL BE COATED WITH TWO COATS OF HOT BITUMEN OF 10/20 GRADE AT THE RATE OF 1.0 Kg/sqm EACH COAT.
- 2- THE CONTRACTOR SHALL SUBMIT CONCRETE POURING SCHEDULE FOR ENGINEER'S APPROVAL. NO CONCRETE SHALL BE PLACED UNTIL WRITTEN PERMISSION IS GIVEN BY THE ENGINEER.
- 3- DURING CONSTRUCTION, STACKING OF CONSTRUCTION MATERIALS, BRICKS, etc. SHOULD BE AVOIDED ON SLAB PANELS.
- 4- BEFORE CASTING OF ANY STRUCTURAL MEMBER, THE CONTRACTOR SHALL ENSURE THAT ALL EMBEDDED ITEMS OR OPENINGS FOR ELECTRICAL, MECHANICAL, HVAC, PLUMBING, STRUCTURAL STEEL AND OTHER WORKS ARE PROPERLY LOCATED IN PLACE.

STRUCTURAL STEEL

- 1- ALL FABRICATION, PAINTING, ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.
- 2- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36 OR EQUIVALENT.
- 3- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AMERICAN WELDING SOCIETY, AWS, SPECIFICATIONS USING ELECTRODES E60XX
- 4- ALL BOLTS SHALL CONFORM TO ASTM A307 .
- 5- SURFACE PREPARATION OF ALL STRUCTURAL STEEL FOR PAINTING SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF "STEEL STRUCTURES PAINTING COUNCIL " SPECIFICATIONS SSPC-SP6 FOR COMMERCIAL BLAST CLEANING.
- 6- ALL STEEL SHALL BE SHOP PAINTED WITH TWO COATS OF RED LEAD OXIDE PRIMER AND TWO COATS OF SYNTHETIC ENAMEL OF APPROVED COLOR IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION. LAST COAT SHALL BE APPLIED AFTER ERECTION. STEEL SURFACE IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.

CONSTRUCTION JOINTS

- 1- JOINTS, NOT SHOWN ON THE DRAWING, SHALL BE SO MADE AND LOCATED AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE AND SHALL NEED PRIOR APPROVAL OF THE ENGINEER. THEY SHALL BE LOCATED NEAR THE MIDDLE OF THE SPANS OF SLAB & BEAMS. JOINT IN WALLS & COLUMNS SHALL BE AT THE UNDER- SIDE OF FLOORS, SLABS OR BEAMS AND AT THE TOP OF FOOTINGS OR FLOOR SLABS
- 2- JOINTS SHALL BE PERPENDICULAR TO MAIN REINFORCEMENT. ALL REINFORCING STEEL SHALL BE CONTINUED ACROSS JOINTS.
- 3- JOINTS IN THE BASEMENT FLOOR SLAB & WALLS, IN ADDITION TO THOSE SHOWN ON THE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR. BEAMS & BRACKETS SHALL BE PLACED AT THE SAME TIME AS SLABS.

ELECTRICAL CONDUITS

- 1- CONDUITS, FOR ELECTRICAL WORKS, SHALL BE PLACED WITHIN THE REINFORCED CONCRETE. THEY SHALL BE PLACED WITHIN THE MIDDLE THIRD OF THE SECTION IN BEAMS & SLABS AND WITHIN THE MIDDLE HALF OF THE THICKNESS. SPACING BETWEEN PARALLEL CONDUITS SHALL NOT BE LESS THAN 6 INCHES.

SHORING & BRACING

- 1- SHORE & BRACE ALL PARTS OF THE BUILDING & EXCAVATION DURING CONSTRUCTION, TO THE EXTENT NECESSARY TO ENSURE COMPLETE SAFETY, STRENGTH & SERVICEABILITY OF ALL STRUCTURAL ELEMENTS UNDER ALL CONDITIONS OF LOADS WHICH MAY OCCUR DURING CONSTRUCTION. SUCH SHORING & BRACING IS THE CONTRACTOR'S SOLE RESPONSIBILITY AND IS NOT SHOWN ON STRUCTURAL DRAWINGS OR SPECIFIED IN THE PROJECT CONTRACT DOCUMENT.

SPLICE LENGTH (LS) \*

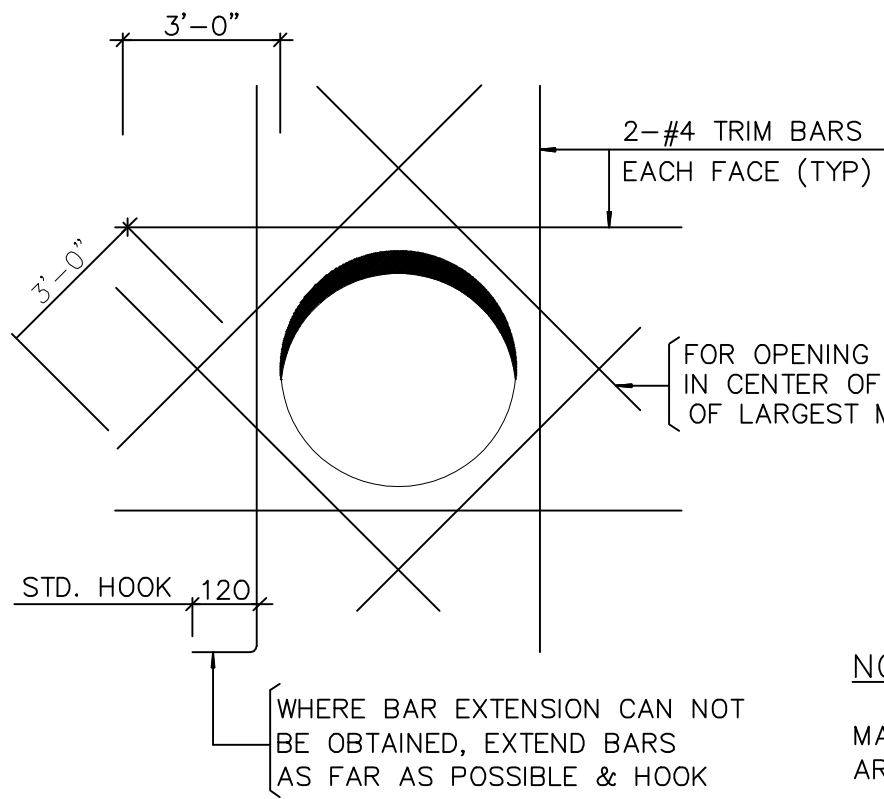
CONC. CLASS A1		
BAR SIZES.	(LS1) TOP BARS	(LS2) OTHER BARS
#3 TO #6	57db	44db
#7 TO #18	72db	55db

CONC. CLASS A3		
BAR SIZES.	(LS1) TOP BARS	(LS2) OTHER BARS
#3 TO #6	50db	48db
#7 TO #18	62db	48db

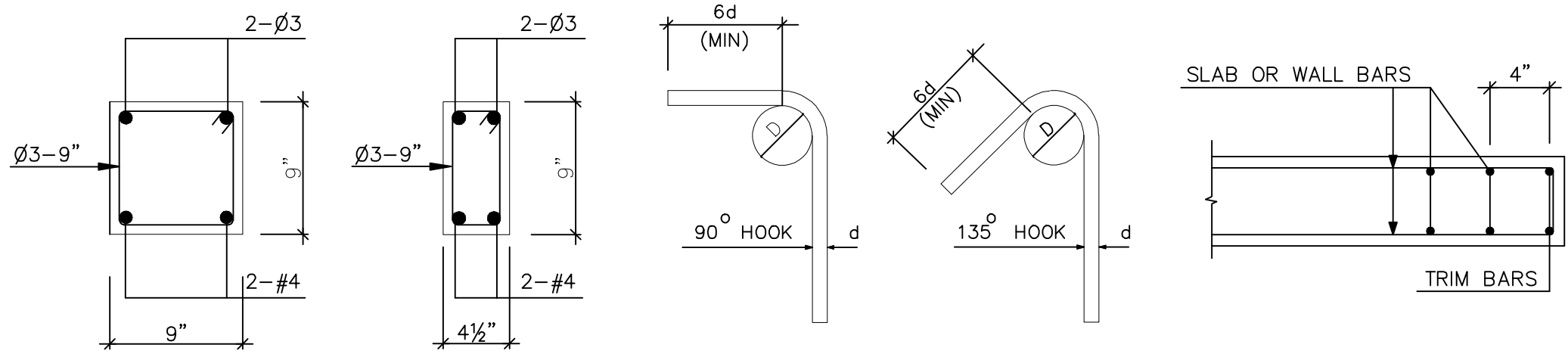
\* ALL LAP SPLICE SHALL BE STAGGARED BY AT LEAST 50 %

DEVELOPMENT LENGHT (LD)

LD = LS



REINFORCEMENT AROUND SLEEVE IN SLAB & WALLS (TYP)



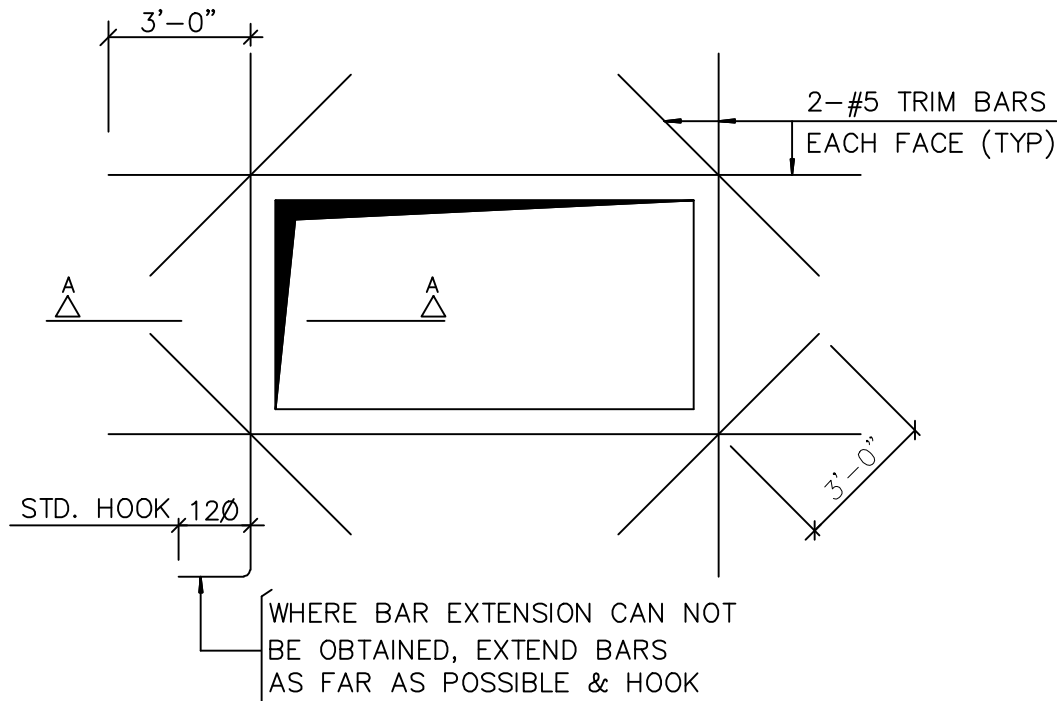
(TYPICAL DETAIL OF REINFORCING )

STIRRUPS AND TIE HOOKS

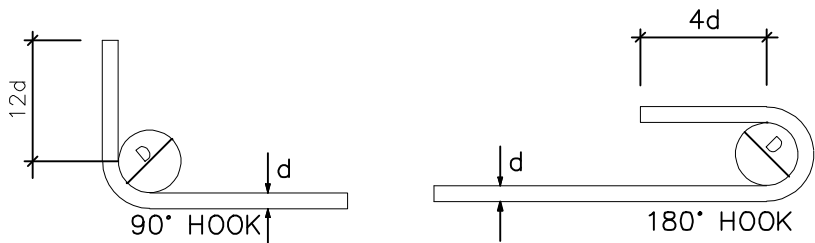
SECTION A-A

NOTES

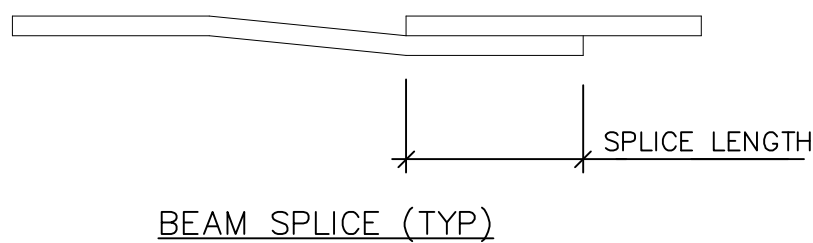
- FOR OPENING WITH MAXIMUM DIMENSION OVER 5'-0", REFER TO OTHER DETAILS.
- USE THIS DETAIL IF NOT SHOWN IN DESIGN DRAWINGS.



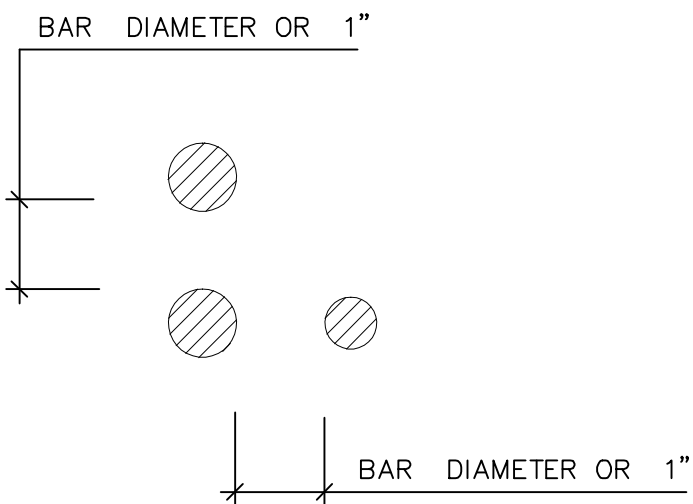
REINFORCEMENT DETAIL AT OPENING IN SLAB & WALLS (TYP)



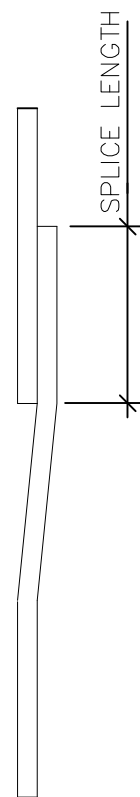
STANDARD BAR HOOKS



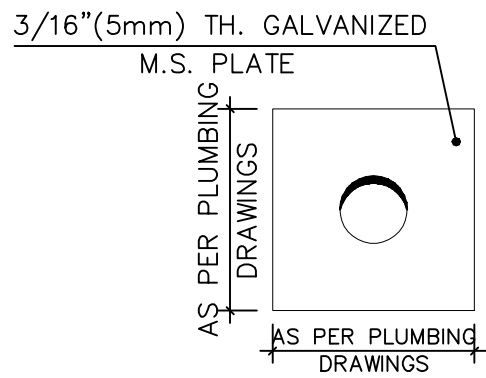
BEAM SPLICE (TYP)



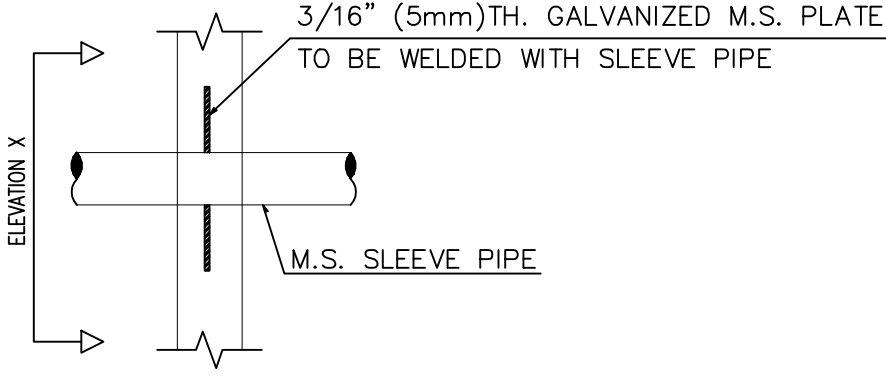
BAR SPACING IN BEAM



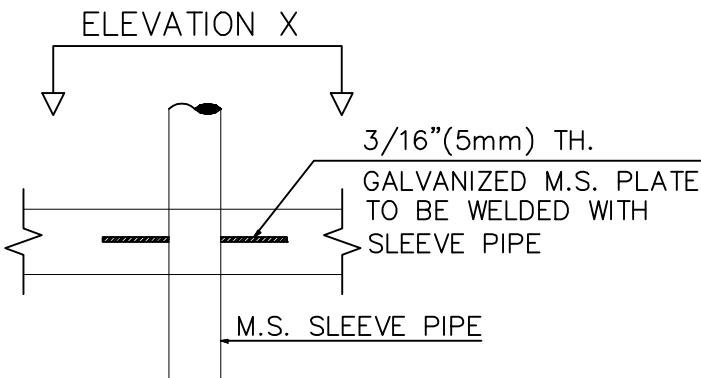
COLUMN SPLICE (TYP)



ELEVATION X OF PLATE & SLEEVE PIPE



X-SECTION OF WALL

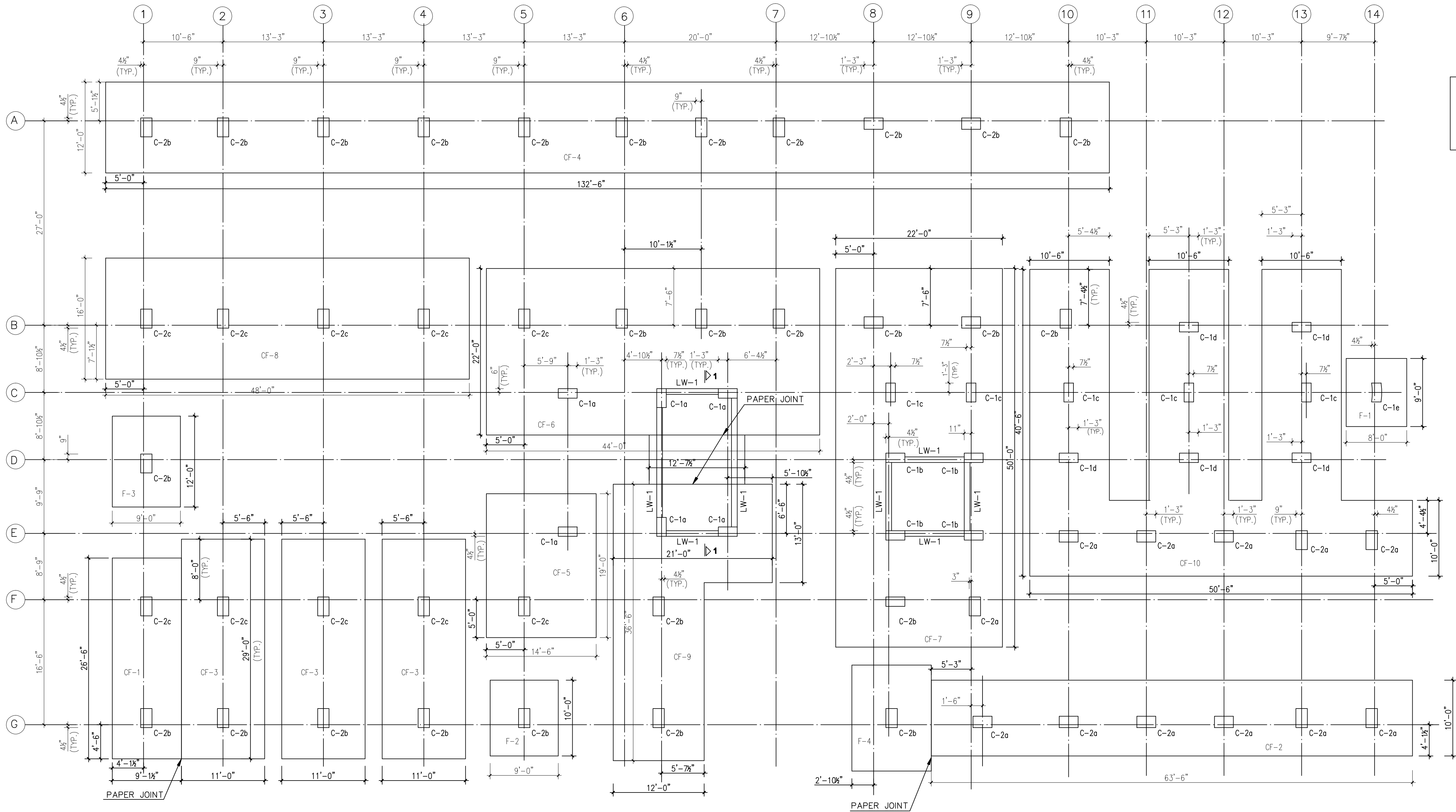


X-SECTION OF SLAB  
DETAIL OF SLEEVE IN SLAB & WALLS

NOTE

FOR GUIDE LINES FOR SLEEVE OPENINGS  
REFER RELEVANT PLUMBING DRAWINGS

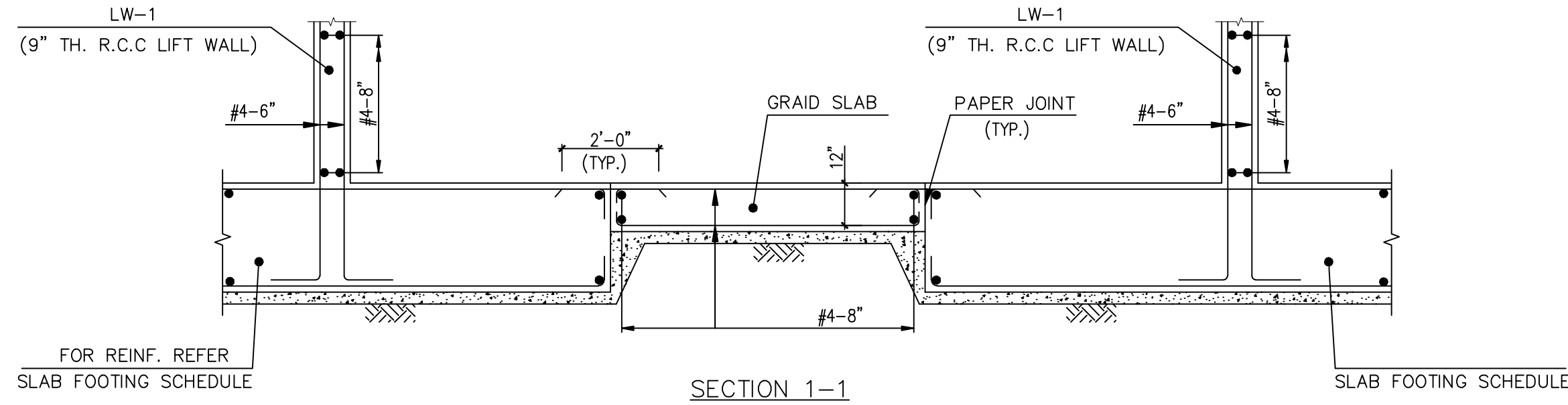
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
GENERAL NOTES & TYPICAL DETAILS					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G01		0	
SUBM. HINA MUMTAZ					



**SPECIAL NOTES:**  
THE PROPOSED STRUCTURE HAS BEEN DESIGNED FOR TWO EXTRA STOREYS AS A FUTURE PROVISION.

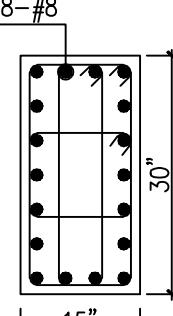
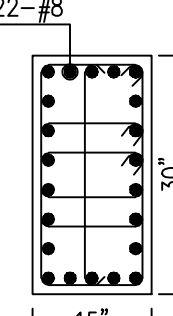
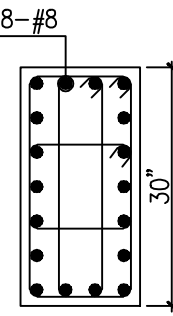
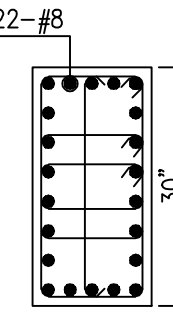
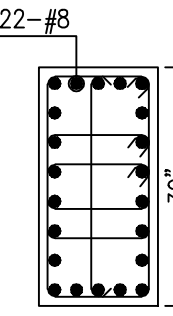
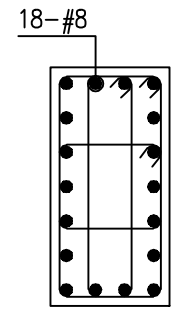
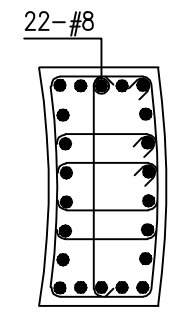
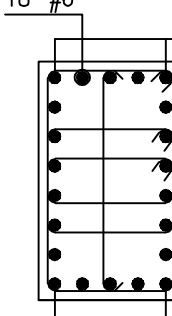
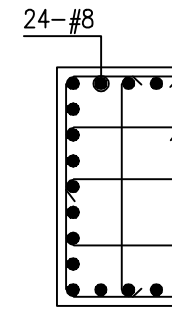
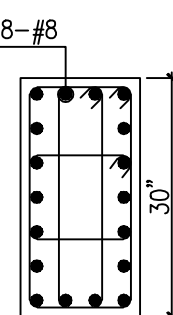
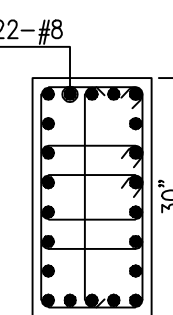
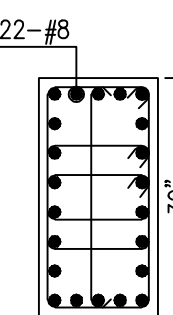
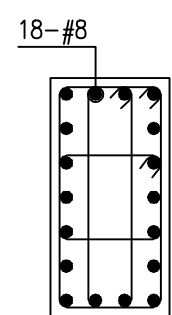
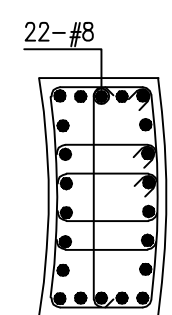
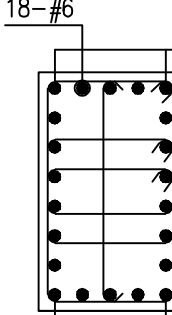
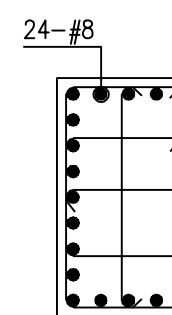
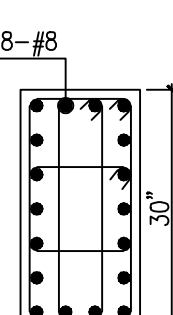
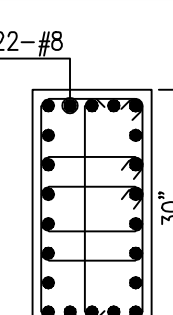
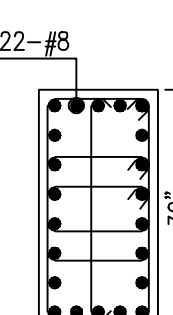
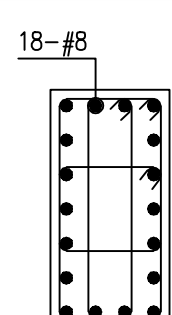
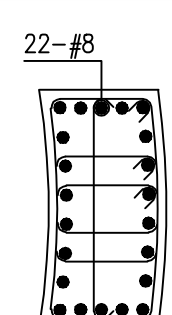
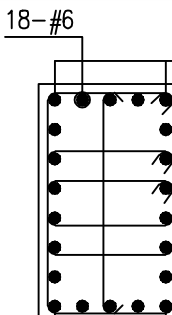
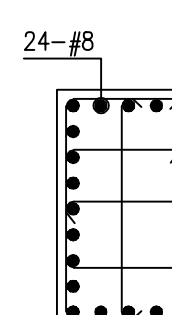
FOUNDATION AND COLUMN LAYOUT PLAN

- NOTES:**
- FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  - READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  - ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.

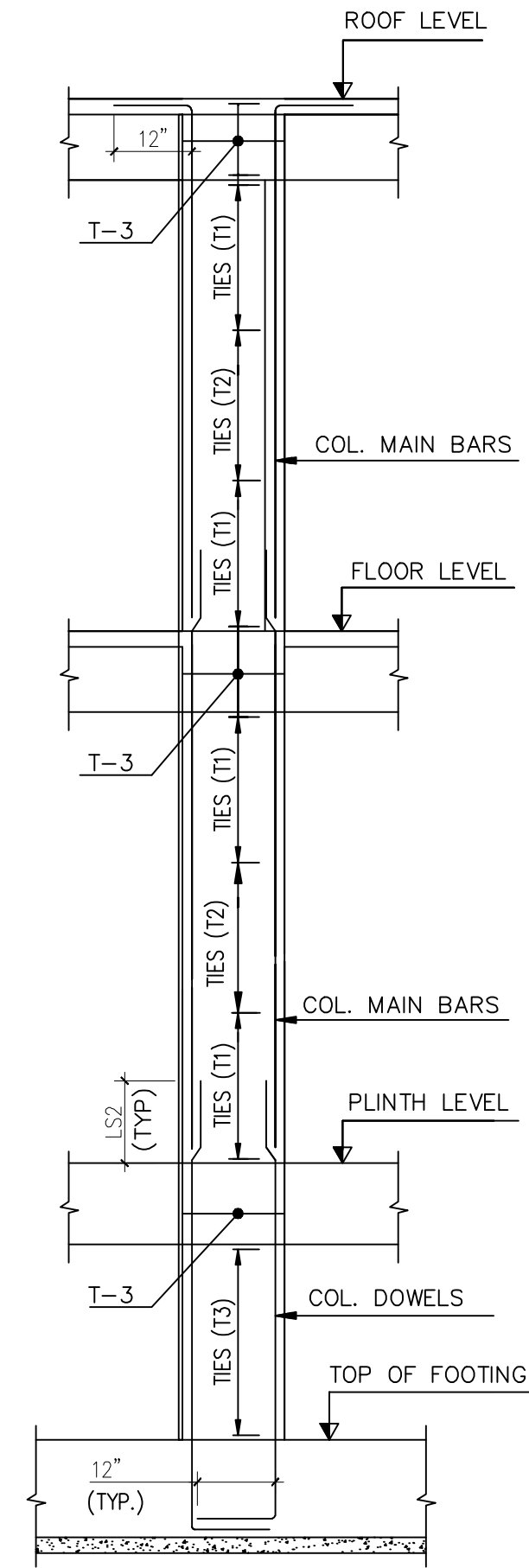


REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FOUNDATION AND COLUMN LAYOUT PLAN (SHEET 1 OF 2)					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NESPAK	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G02		0	
SUBM. HINA MUMTAZ					

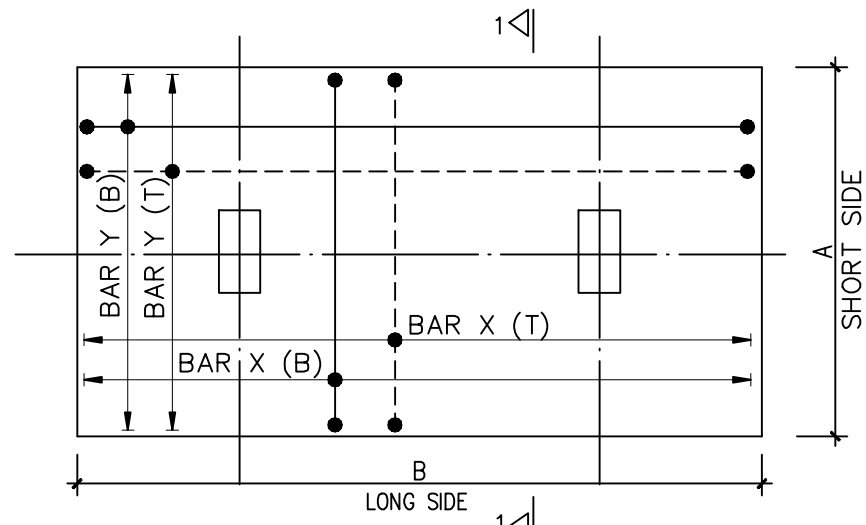


C O L U M N   S C H E D U L E									
ELEVATION		MARK	C-1a	C-1b	C-1c	C-1d	C-1e	C-2a	C-2b
FROM EL.+27'-6"					-	-	-	-	-
TO EL.+41'-0"									
FROM EL.+13'-6"									
TO EL.+27'-0"									
FROM EL.±0'-0"									
TO EL.+13'-6"									
FROM TOP OF FOOTING									
TO EL.±0'-0"									
TIES	T1	6-3xØ3-6"	6-4xØ3-6"	6-4xØ3-6"	6-3xØ3-6"	6-4xØ3-6"	6-4xØ3-6"	6-4xØ3-6"	6-4xØ3-6"
	T2	3xØ3-10"	4xØ3-10"	4xØ3-10"	3xØ3-10"	4xØ3-10"	4xØ3-10"	4xØ3-10"	4xØ3-10"
	T3	3xØ3-6"	4xØ3-6"	4xØ3-6"	3xØ3-6"	4xØ3-6"	4xØ3-6"	4xØ3-6"	4xØ3-6"

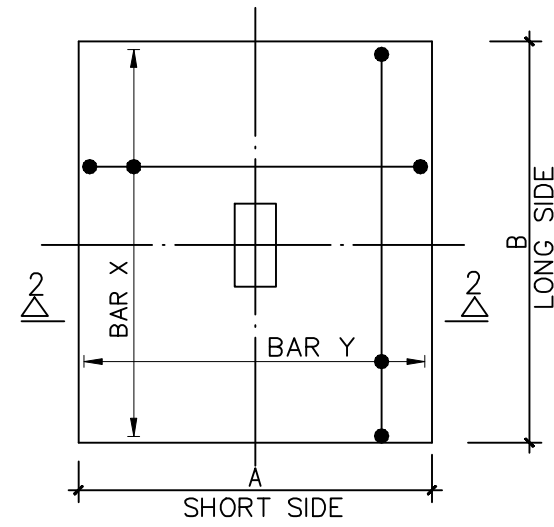
F O O T I N G   S C H E D U L E								
FOOTING MARK	S I Z E			R E I N F O R C E M E N T   P A R A L L E L   T O				R E M A R K S
	A	B	C	SHORT BOTTOM	LONG BOTTOM	SHORT TOP	LONG TOP	
F-1	8'-0"	9'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-2	9'-0"	10'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-3	9'-0"	12'-0"	24"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
F-4	10'-6"	14'-0"	27"	#6-4"	#6-4"	-	-	ISOLATED FOOTING
CF-1	9'-0"	26'-6"	24"	#5-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-2	10'-0"	63'-6"	24"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-3	11'-0"	29'-0"	27"	#5-4"	#6-4"	#4-4"	#5-4"	COMBINED FOOTING
CF-4	12'-0"	132'-6"	24"	#6-4"	#5-4"	#4-8"	#4-4"	COMBINED FOOTING
CF-5	14'-6"	19'-0"	24"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-6	22'-0"	44'-0"	27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-7	22'-0"	50'-0"	27"	#6-4"	#6-4"	#4-4"	#5-4"	COMBINED FOOTING
CF-8	16'-0"	48'-0"	27"	#8-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-9	SEE PLAN		27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING
CF-10	SEE PLAN		27"	#6-4"	#6-4"	#4-4"	#4-4"	COMBINED FOOTING



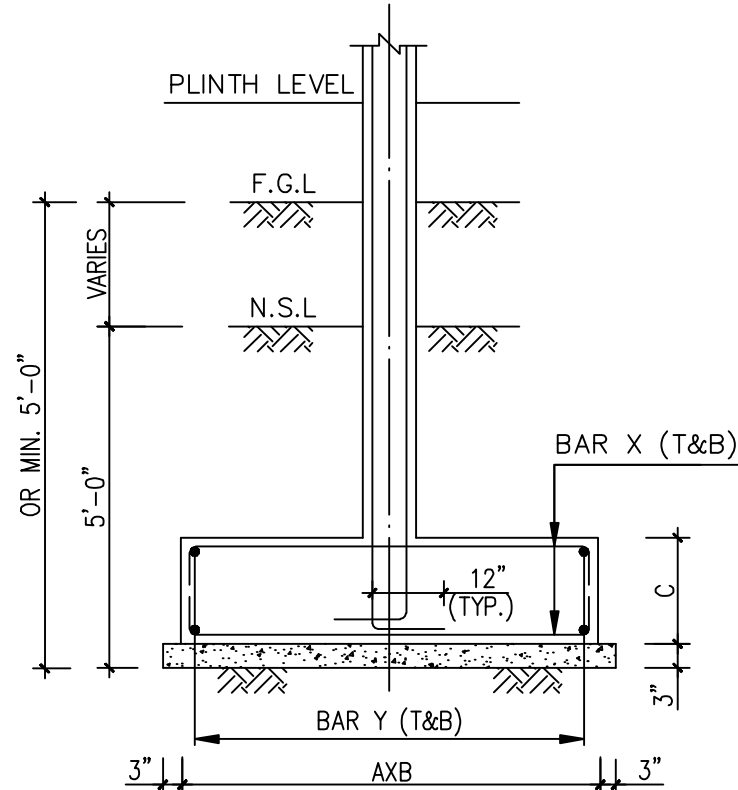
TYPICAL COLUMN ELEVATION



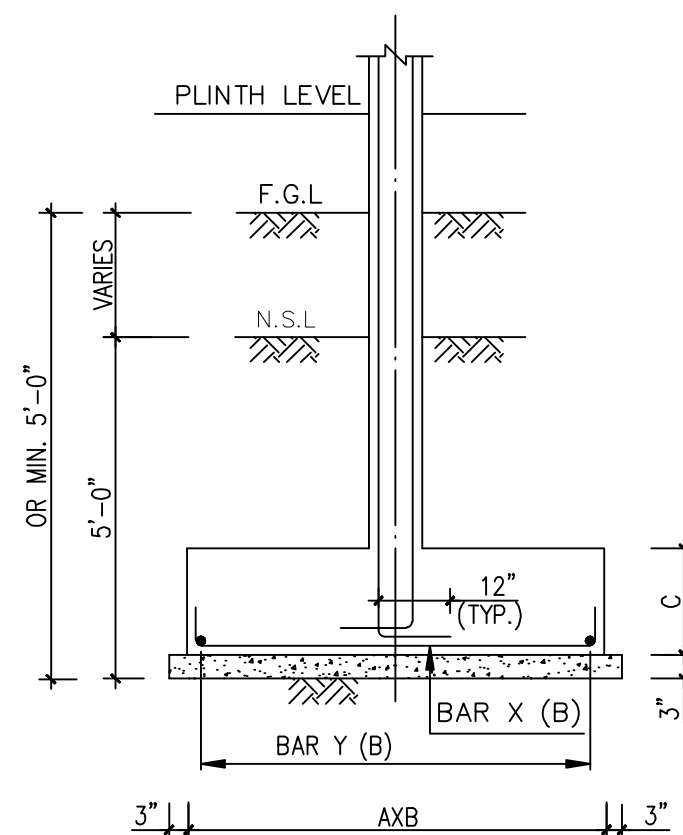
PLAN OF COMBINED FOOTING



PLAN OF ISOLATED FOOTING



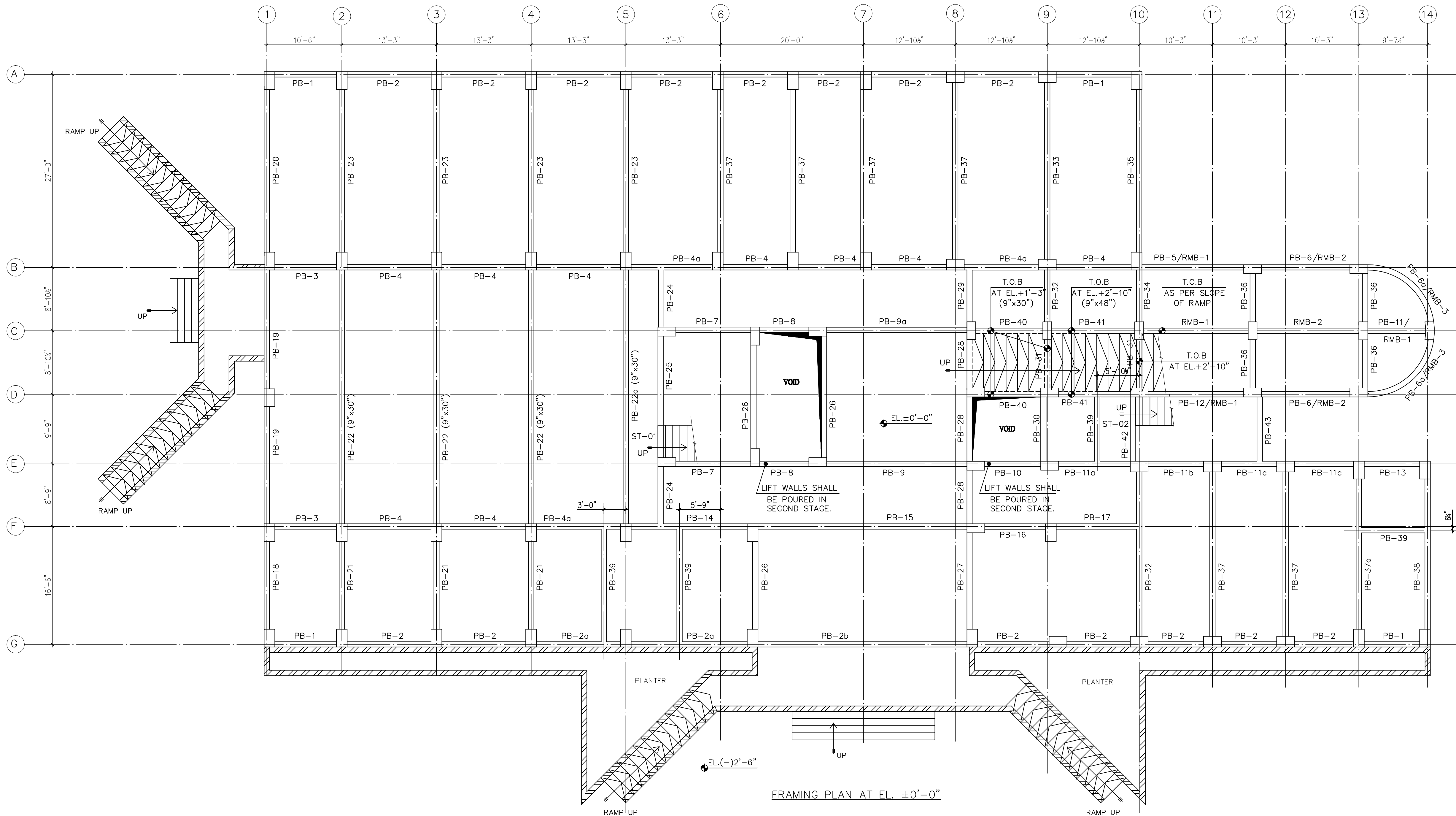
SECTION OF COMBINED FOOTING (TYP)  
SECTION 1-1



SECTION OF ISOLATED FOOTING (TYP)  
SECTION 2-2

- NOTES:
1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
  4. FOR FINAL ELEVATION OF COLUMNS REFER RESPECTIVE FRAMING PLANS IN ADDITION TO COLUMN SCHEDULE.

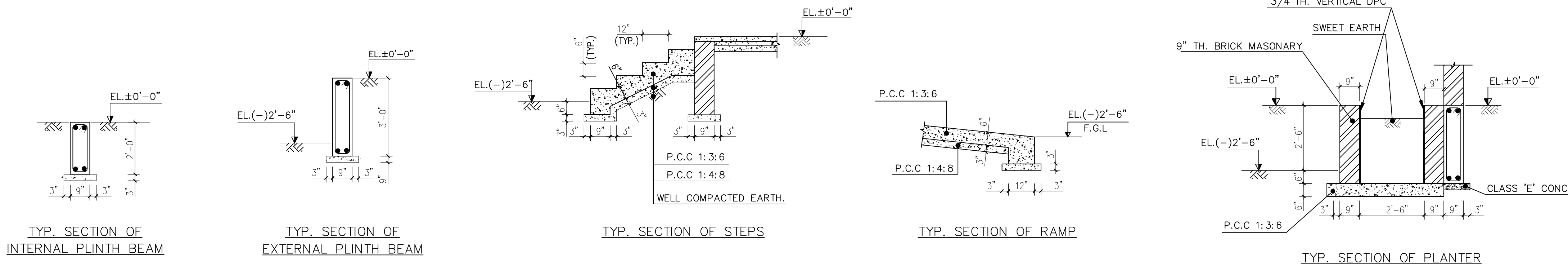
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
COLUMN SCHEDULE & FOOTING SCHEDULE					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESIGN. NESPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD AMBAG	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CHKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G03		0	
SUBM. HINA MUMTAZ					



FRAMING PLAN AT EL. ±0'-0"

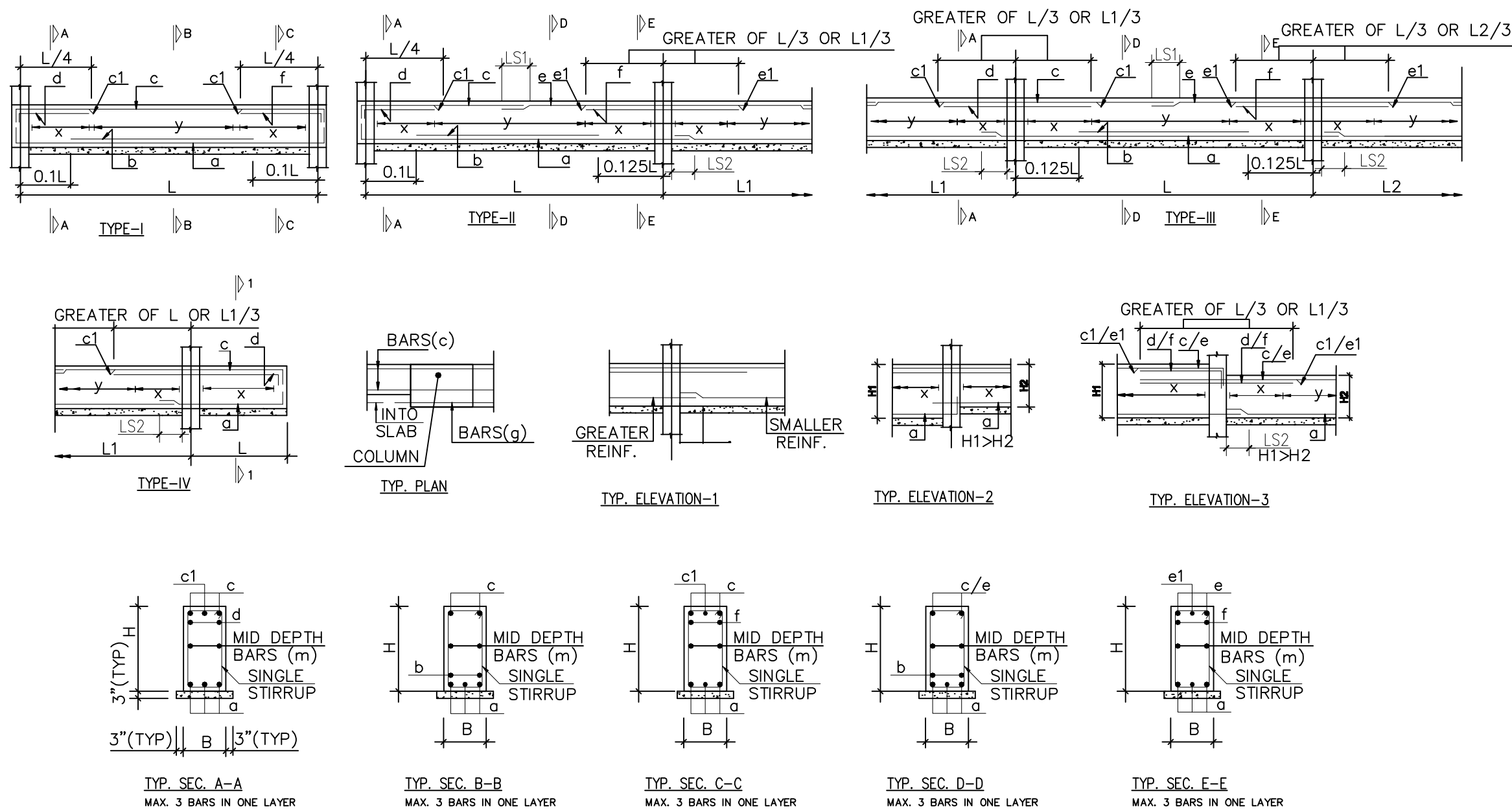
NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL EXTERNAL PLINTH BEAMS 9"x36" EXCEPT NOTED OTHERWISE.
5. ALL INTERNAL PLINTH BEAM 9"x24" EXCEPT NOTED OTHERWISE.



REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. ±0'-0"					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G04		0	
SUBM. HINA MUMTAZ					

P L I N T H       B E A M       S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L       R E I N F O R C E M E N T									S T I R R U P S		R E M A R K S	
			a	b	c	c1	d	e	e1	f	g	m	x		y
PB-1	9"x36"	II	2+2-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2	9"x36"	III	2+2-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2a	9"x36"	III	3+2-#5	-	2-#5	1-#5	2-#5	2-#5	1-#5	2-#5	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-2b	9"x36"	III	2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	
PB-3	9"x24"	II	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-4	9"x24"	III	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-4a	9"x24"	III	3-#6	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-5	9"x36"	III	3-#6	-	2-#5	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	
PB-6	9"x36"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-6a	9"x36"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-7	9"x24"	II	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
PB-8	9"x24"	III	2+2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-9	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-9a	9"x24"	II	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-10	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-11	9"x36"	II	2-#6+1-#5	-	2-#5	-	2-#5	2-#5	-	2-#5	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-11	9"x24"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-11b	9"x24"	III	2-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-11c	9"x36"	III	3-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	3+3-ø3	ø3-5"	ø3-5"	
PB-12	9"x24"	II	2-#6+1-#5	-	2-#5	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-13	9"x36"	II	2-#6+1-#5	-	2-#5	-	2-#6	2-#5	-	2-#6	-	2+2-ø3	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-14	9"x24"	III	2-#6	-	2-#6	1-#6	-	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-15	9"x24"	III	2-#6+1-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-16	9"x24"	III	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	-	-	-	ø3-5"	ø3-5"	
PB-17	9"x36"	II	3-#5	-	2-#6	-	-	2-#6	1-#6	-	-	-	ø3-5"	ø3-10"	
PB-18	9"x36"	II	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-19	9"x36"	III	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-20	9"x36"	II	3+2-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	2+2-ø3	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-21	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-22	9"x30"	III	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-23	9"x24"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-22a	9"x30"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-23	9"x24"	II	3-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-5"	ø3-10"	
PB-24	9"x24"	II	2-#6	-	2-#6	-	-	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-25	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-4"	ø3-4"	
PB-26	9"x24"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-27	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-28	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-29	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-30	9"x24"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-31	9"x24"	I	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-32	9"x24"	II	3-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	-	ø3-5"	ø3-5"	
PB-33	9"x24"	II	3+2-#6	-	2-#6	1-#8	2-#6	2-#6	1-#8	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-34	9"x24"	II	3+2-#6	-	2-#6	1-#8	2-#6	2-#6	1-#6	2-#8	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-35	9"x36"	II	3-#6	-	2-#6	1-#6	2-#8	2-#6	1-#6	2-#8	-	3+3-ø3	ø3-5"	ø3-10"	
PB-36	9"x24"	II	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
PB-37	9"x24"	I	2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
PB-37a	9"x24"	I	3-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-5"	
PB-38	9"x36"	I	3-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	3+3-ø3	ø3-5"	ø3-5"	
PB-39	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
PB-40	9"x30"	I	2-#5	-	2-#5	-	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	
PB-41	9"x48"	I	2-#5	-	2-#5	-	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	
PB-42	9"x24"	I	3-#6	-	2-#6	-	-	-	-	-	-	-	ø3-4"	ø3-4"	
PB-43	9"x36"	I	2-#5	-	2-#5	1-#5	-	-	-	-	-	3+3-ø3	ø3-5"	ø3-5"	



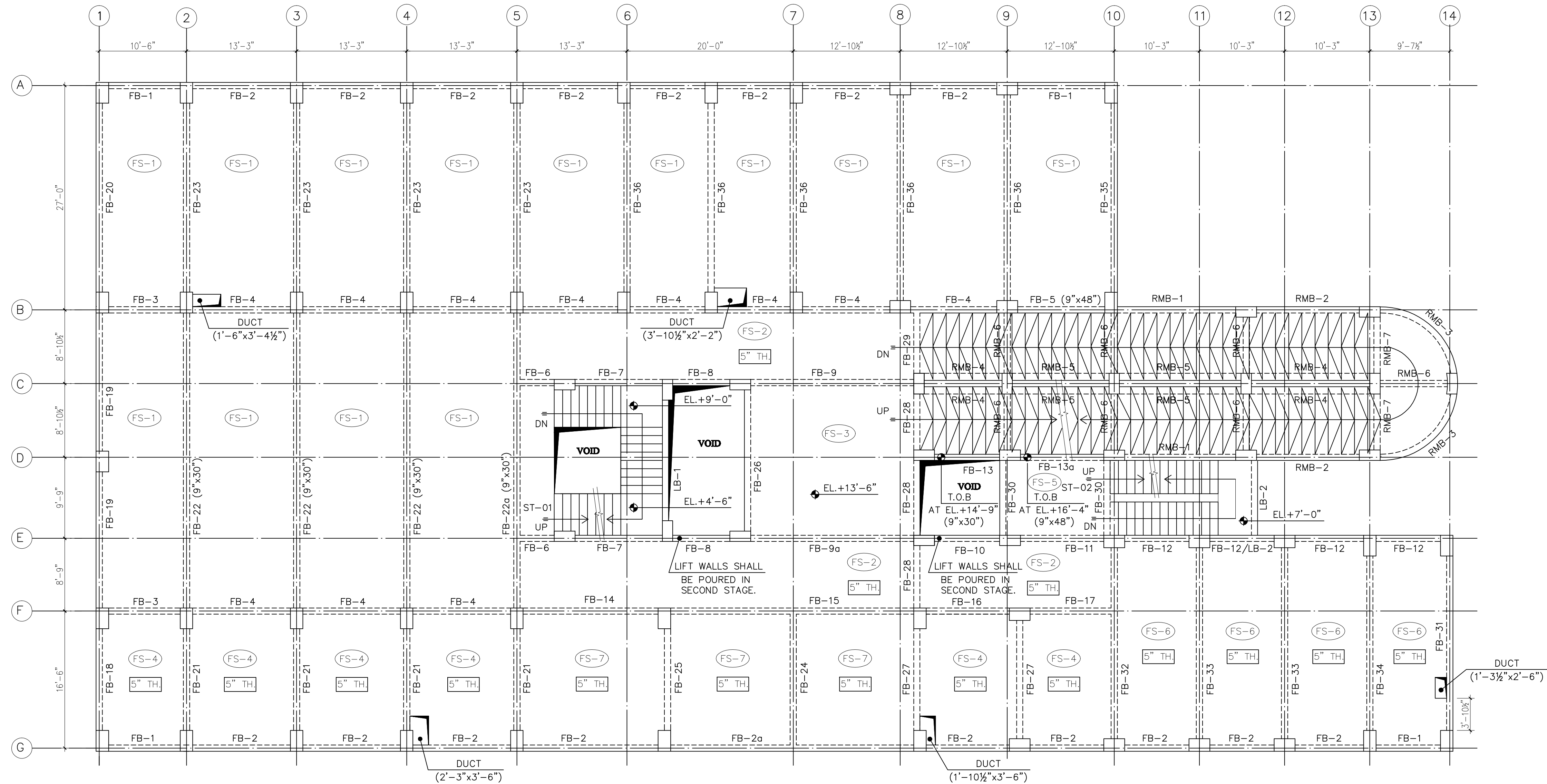
NOTES

- 1-FOR SUPPORT CONDITION REFER FRAMING PLAN.
- 2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.
- 3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.
- 4-x = 2H.
- 5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.
- 6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.
- 7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.
- 8-BARS 'b,d & f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.
- 9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.
- 10-LAPS (IF REQUIRED.) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.
- 11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.
- 12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

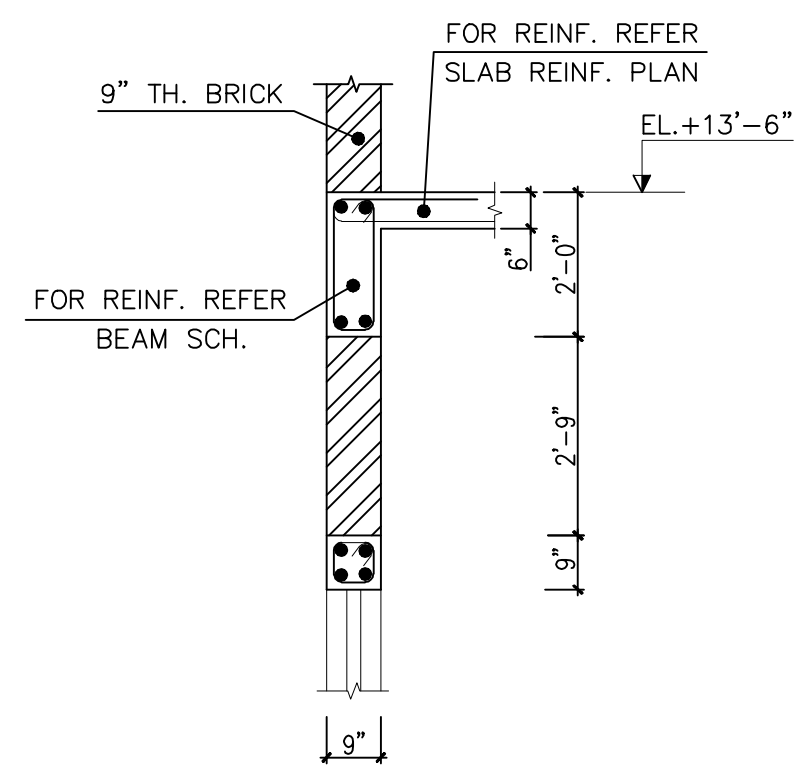
SPECIAL NOTE

1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

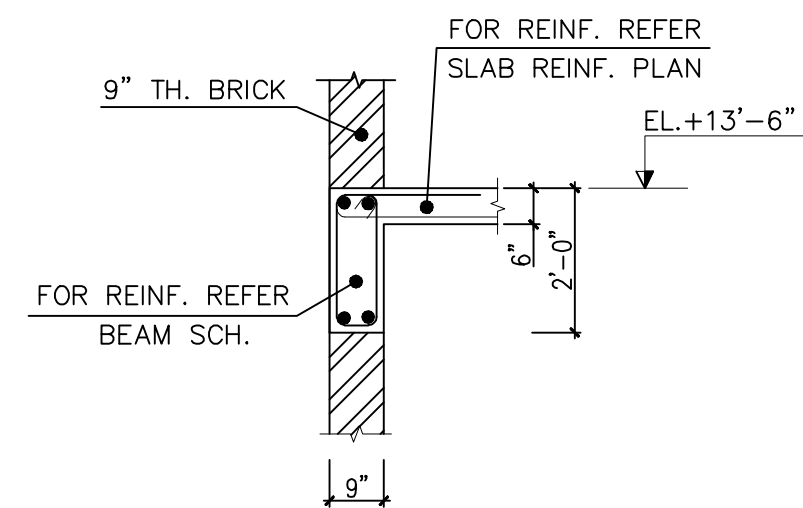
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+13'-6"					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS					
FILE	HINA MUMTAZ	HINA MUMTAZ	AAJAMIR RASHEED		
CKD. HINA MUMTAZ	DATE	DRAWING NO.			REV.
SUBM. HINA MUMTAZ	NOV., 2022	4199/323/C/01G05			0



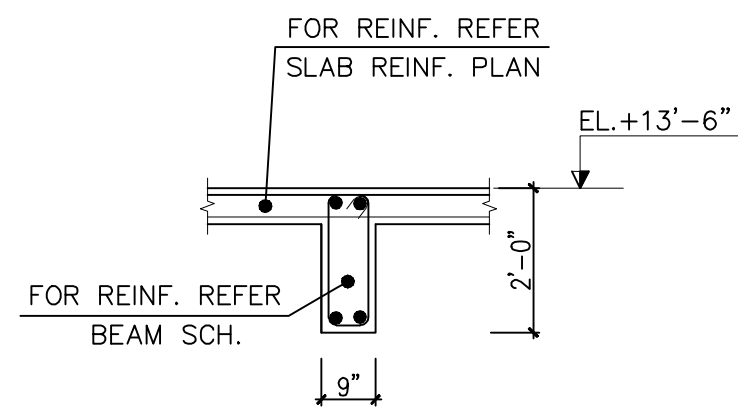
FRAMING PLAN AT EL. +13'-6"



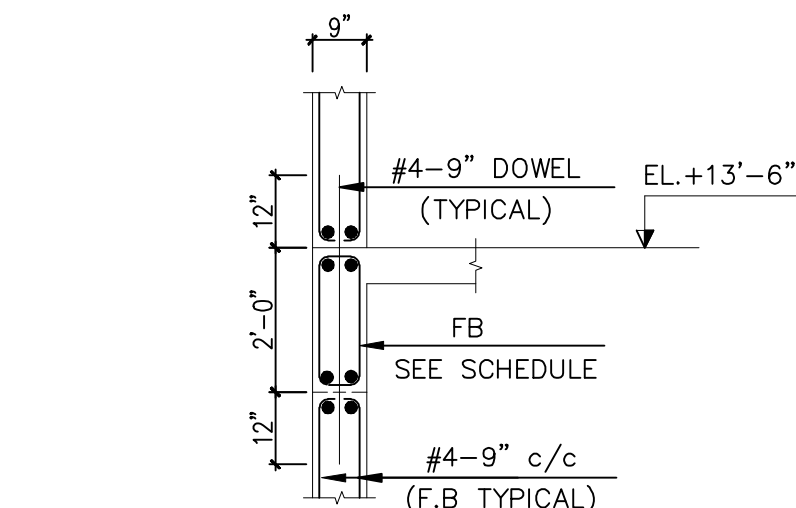
TYP. SECTION OF EXTERNAL FLOOR BEAM  
(AT WINDOW LOCATION)



TYP. SECTION OF EXTERNAL FLOOR BEAM  
(AT WALL LOCATION)



TYP. SECTION OF INTERNAL FLOOR BEAM

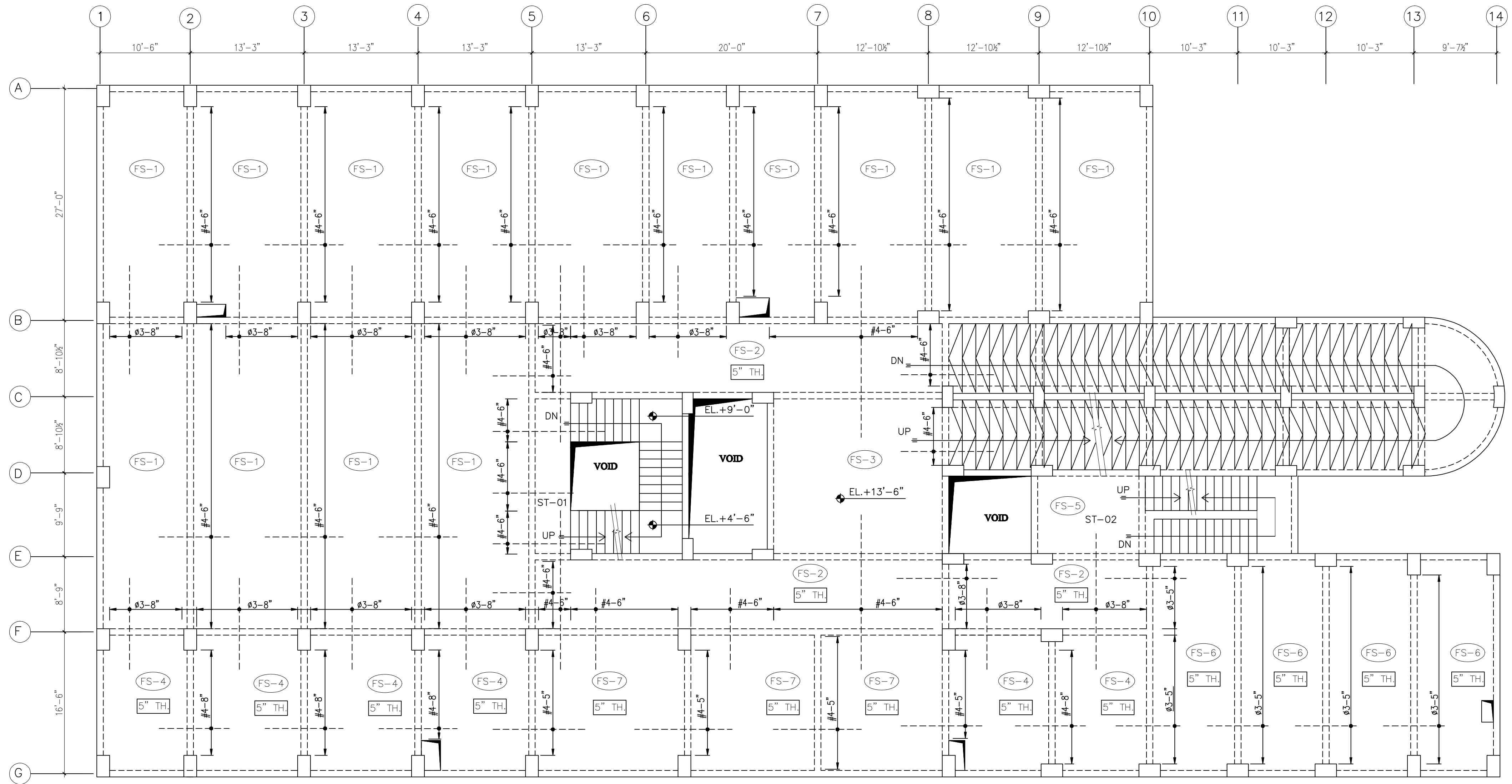


TYPICAL DETAIL OF R.C.C. LIFT WALL  
TO BE POURED IN SECOND STAGE

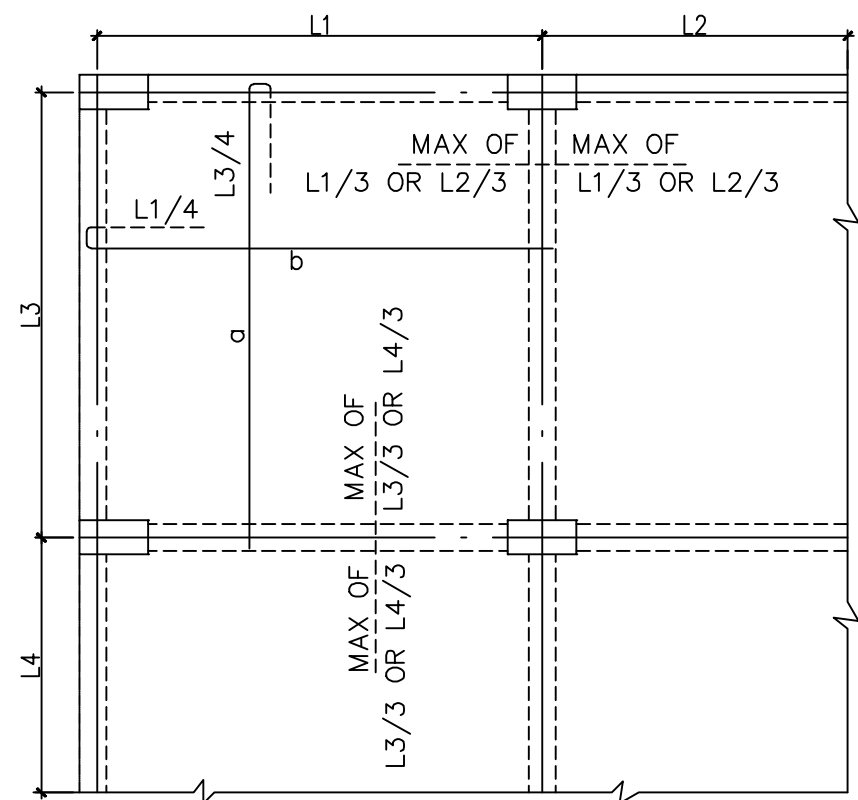
NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL FLOOR BEAMS 9"x24" EXCEPT NOTED OTHERWISE.
- 5-FOR BEAM REINF. REFER FLOOR BEAM SCHEDULE.
- 6-FOR SLAB REINF. REFER SLAB REINF. PLAN.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. +13'-6"					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G06		0	
SUBM. HINA MUMTAZ					



SLAB REINFORCEMENT PLAN AT EL.+13'-6"  
(TOP REINF.)



TYP. SLAB REINFORCEMENT PLAN

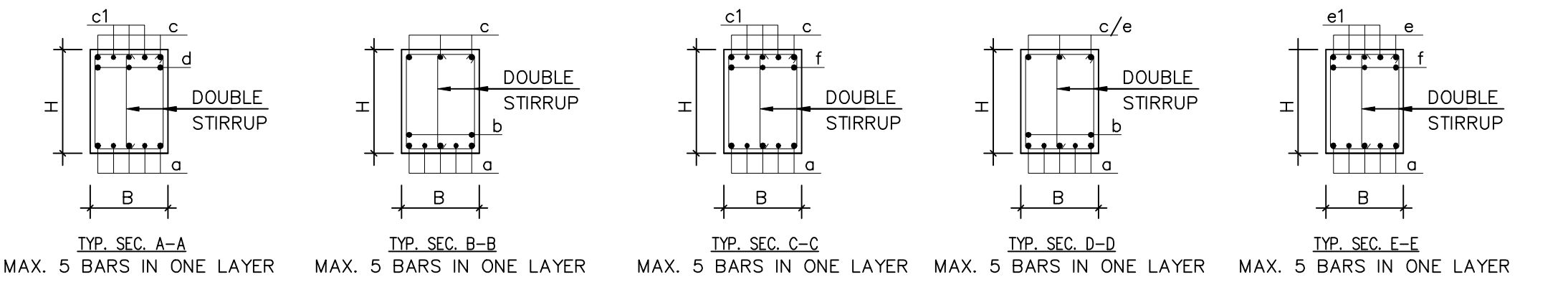
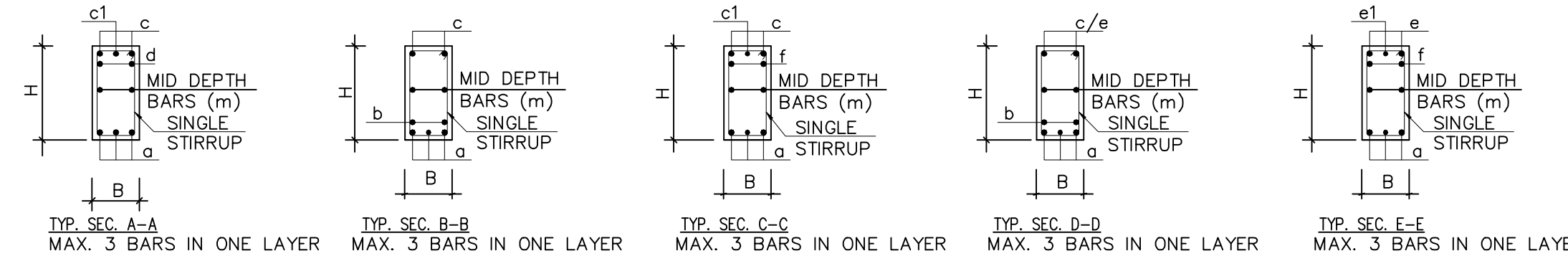
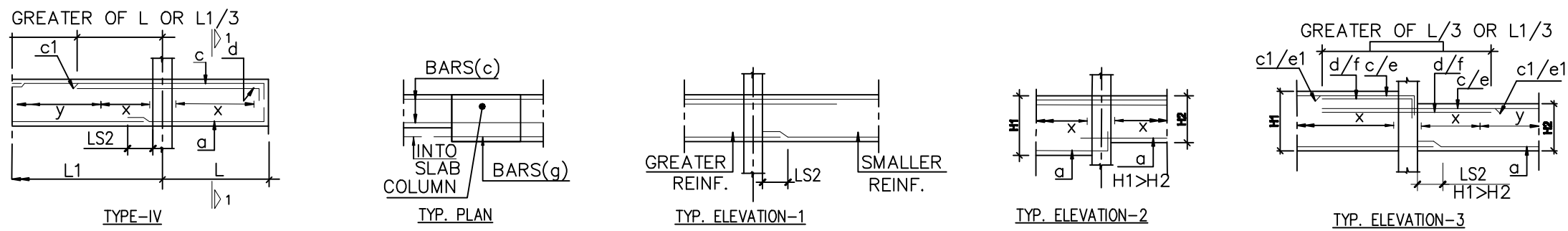
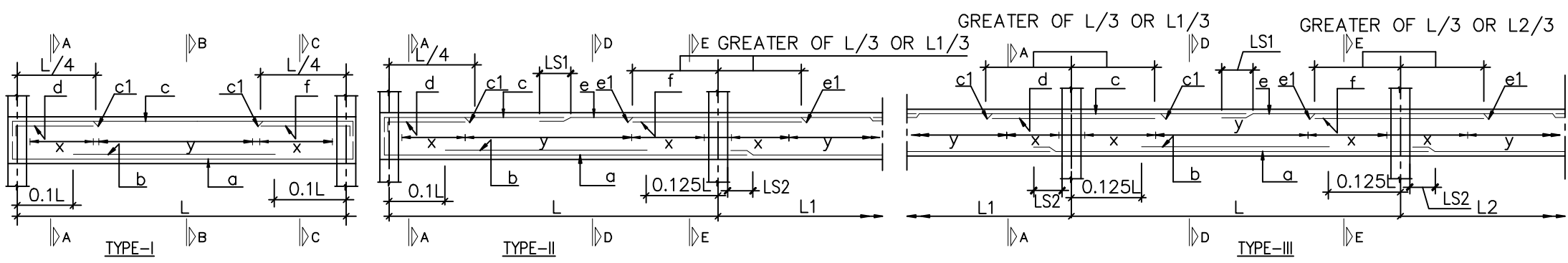
S L A B S C H E D U L E				
SLAB MARK	SLAB THICKNESS.	B O T T O M R E I N F O U R C E M E N T		
		a	b	REMARKS
FS-1	6"	#4-8"	#4-9"	
FS-2	5"	ø3-8"	ø3-9"	
FS-3	6"	ø3-5"	ø3-6"	
FS-4	5"	ø3-7"	ø3-8"	
FS-5	5"	ø3-9"	ø3-10"	
FS-6	5"	ø3-7"	ø3-9"	
FS-7	5"	ø3-6"	ø3-6"	

- NOTES:
- 1-FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  - 2-READ THIS DRAWING IN CONJUNCTION WITH ALL THE RELEVANT PROJECT DRAWINGS.
  - 3-ALL DIMENSIONS ARE IN "FPS" UNITS EXCEPT NOTED OTHERWISE.
- NOTES FOR SLAB REINF.
- 1-ALL BINDERS BARS SHALL BE ø3-12" c/c.
  - 2-TOP REINF. AT EACH CONTINUOUS EDGE SHALL BE EXTENDED ON BOTH SIDES UP TO MAX. SPAN/3.
  - 3-BOTTOM REINF. SHALL BE BENT UP FOR RESPECTIVE SPAN/4 AT EACH DISCONTINUOUS EDGE.
  - 4-ALL SLABS ARE 6" TH. EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+13'-6"					
NES NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NESPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.			REV.
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G07			0
SUBM. HINA MUMTAZ					



F L O O R        B E A M        S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L				R E I N F O R C E M E N T				S T I R R U P S		R E M A R K S		
			a	b	c	c1	d	e	f	g	m	x		y	
FB-1	9"x24"	II	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-2	9"x24"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-2a	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-5"	#4-5"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-3	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-4	9"x24"	III	3-#4	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-5	9"x48"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-6	9"x24"	II	3-#6	-	2-#8	-	2-#8	2-#8	-	2-#8	-	-	#4-4"	#4-4"	
FB-7	9"x24"	III	3-#6	-	2-#8	-	2-#8	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-8	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-9	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-9a	9"x24"	III	2-#6+2-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-10	9"x24"	III	3-#6	-	2-#6	1-#6	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-11	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-12	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-13	9"x30"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-5"	ø3-10"	
FB-14	9"x24"	III	3-#6	-	2-#6	1-#5	2-#6	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	
FB-15	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-16	9"x24"	III	3-#6	-	2-#8	1-#6	2-#8	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
FB-17	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
FB-18	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-19	9"x24"	III	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-20	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-21	9"x24"	II	2-#8+2-#6	-	2-#8	-	2-#8	2-#8	1-#6	2+2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'd' & 'f' IN TWO LAYERS.
FB-22	9"x30"	III	2-#8+1-#6+2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-22a	9"x30"	III	2-#8+1-#6+2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-23	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-24	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
FB-25	9"x24"	I	2-#8+2-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-26	9"x24"	I	2-#8+2-#6	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-27	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-28	9"x24"	III	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-29	9"x24"	II	2-#8+2-#6	-	2-#8	-	-	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-30	9"x24"	I	2-#8+2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
FB-31	9"x24"	I	2-#8+1-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	#4-4"	#4-8"	
FB-32	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-33	9"x24"	I	2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	
FB-34	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-5"	#4-10"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-35	9"x24"	I	2-#8	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-36	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
FB-13a	9"x48"	I	3-#6	-	2-#6	-	2-#6	-	-	2-#6	-	3+3-ø3	ø3-5"	ø3-10"	



NOTES

1-FOR SUPPORT CONDITION REFER FRAMING PLAN.

2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.

3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.

4-x = 2H.

5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.

6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.

7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.

8-BARS 'b,d & 'f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.

9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.

10-LAPS (IF REQUIRED.) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.

11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.

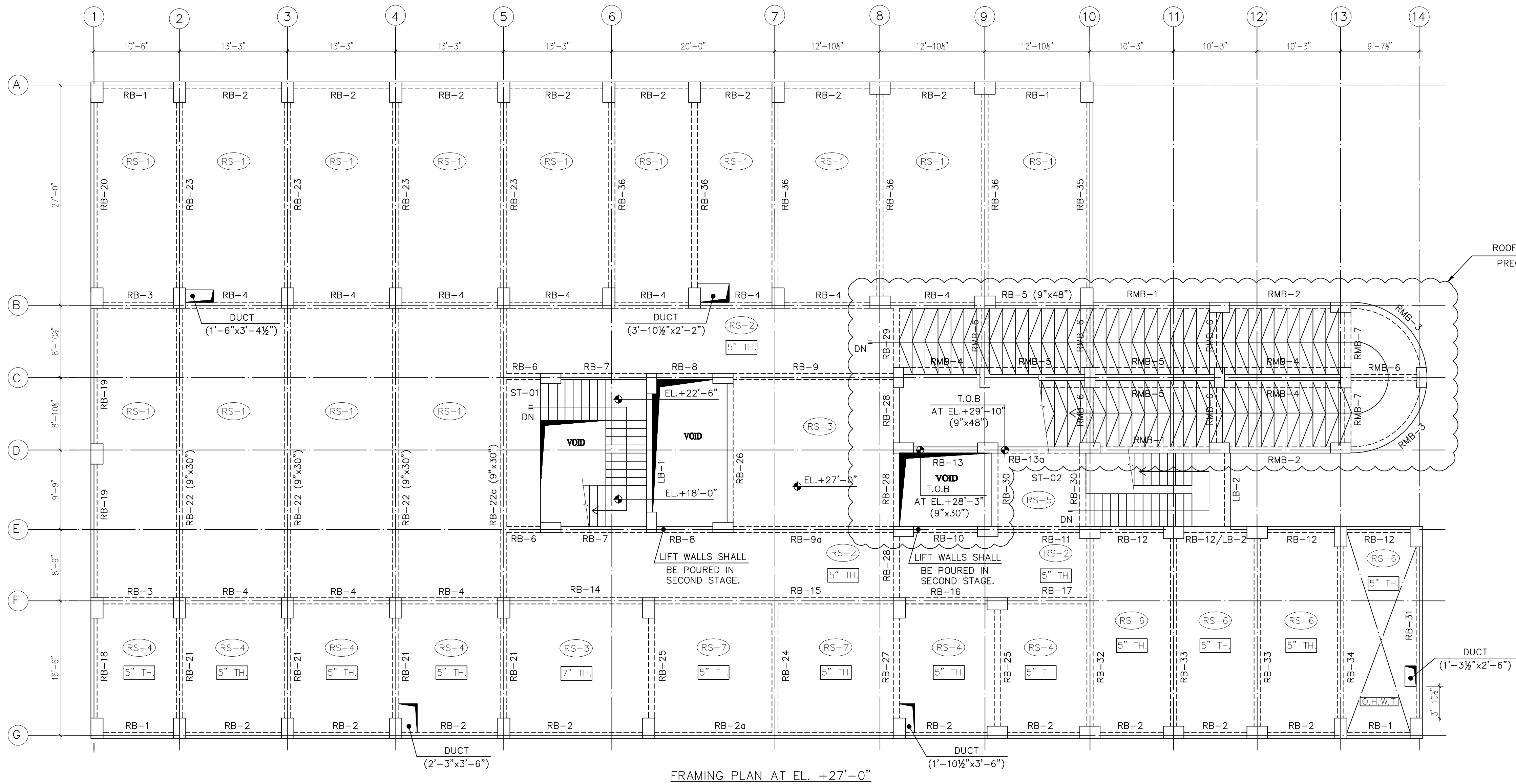
12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

SPECIAL NOTE

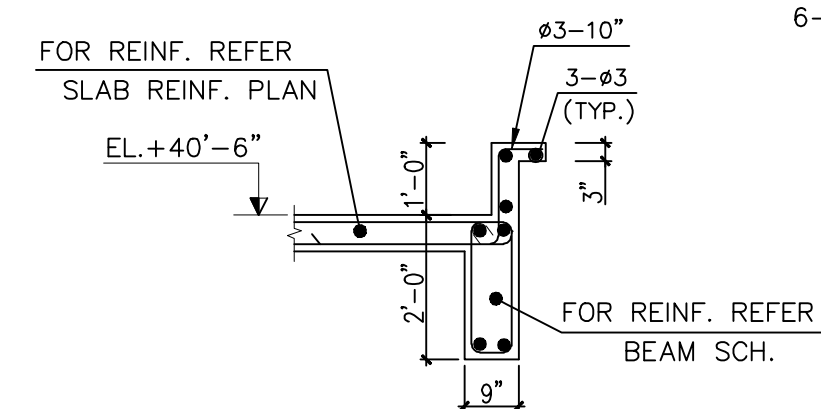
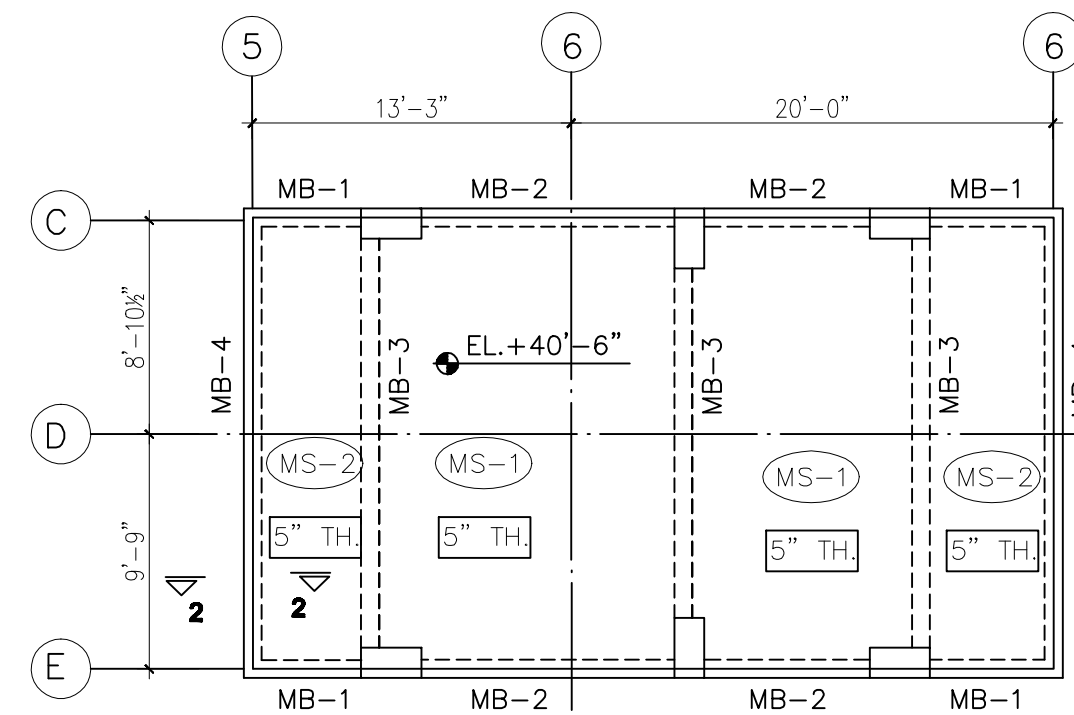
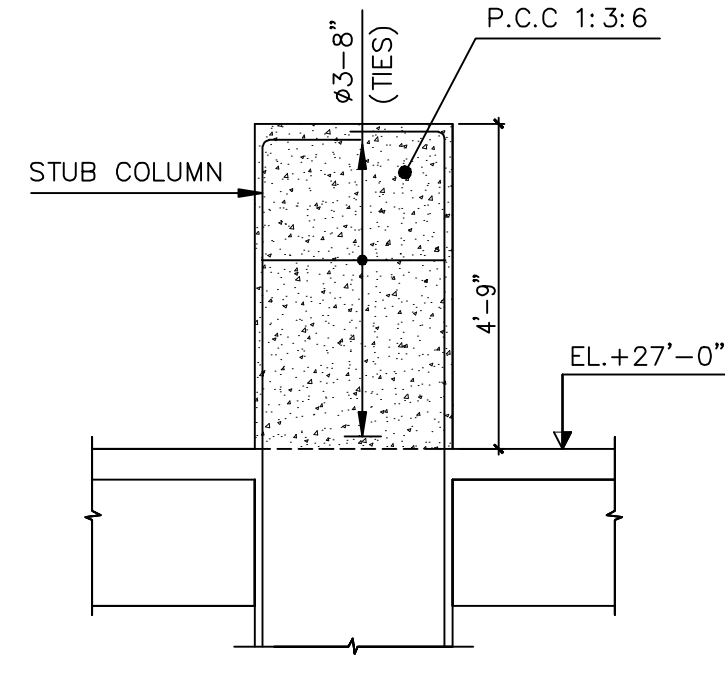
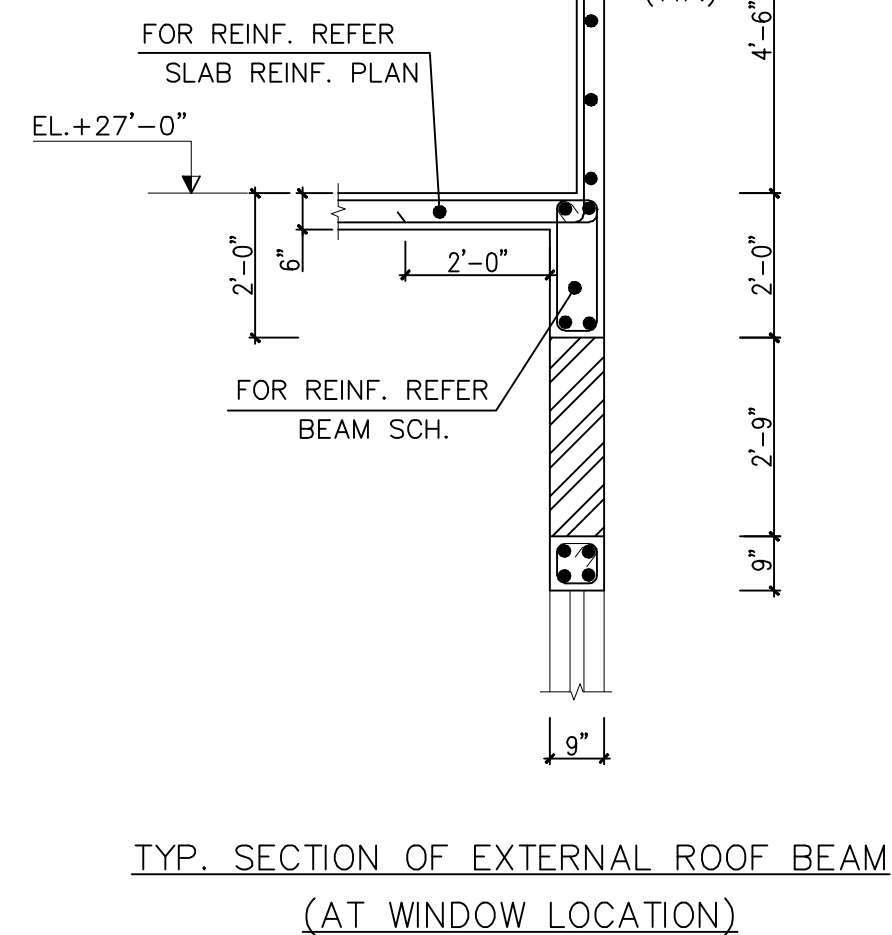
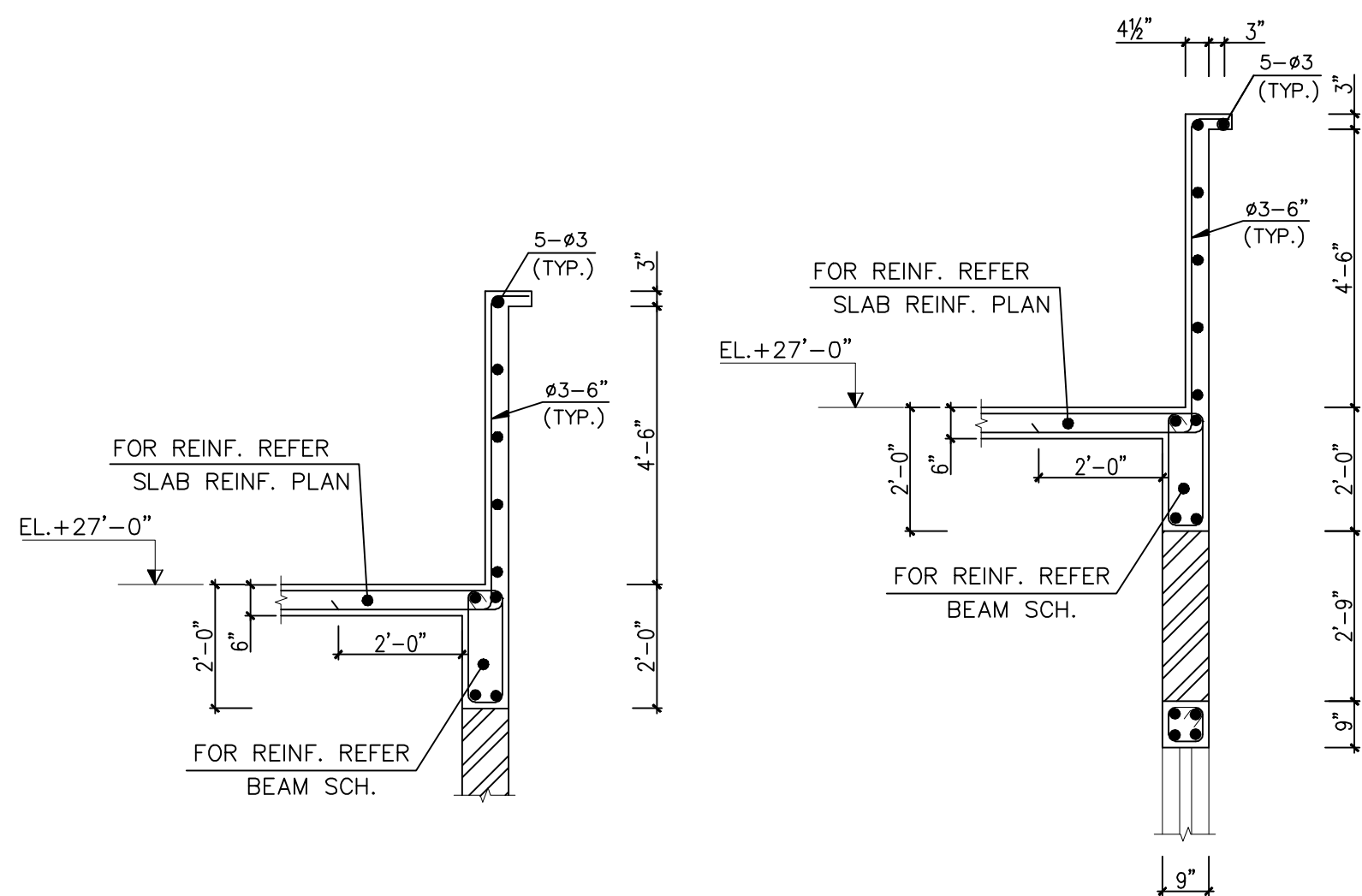
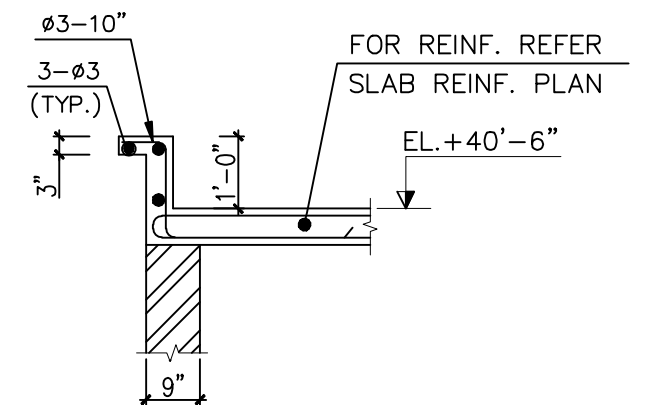
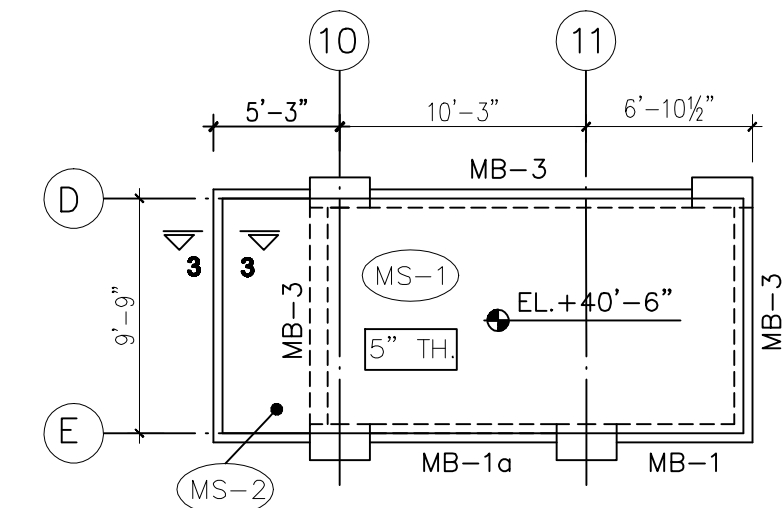
1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FLOOR BEAM SCHEDULE					
NEEP NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEPAK	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. AHMAD ABBAS					
FILE	HINA MUMTAZ	HINA MUMTAZ	AAJAMIR RASHEED		
CKD. HINA MUMTAZ	DATE	DRAWING NO.			REV.
SUBM. HINA MUMTAZ	NOV., 2022	4199/323/C/01G08			0





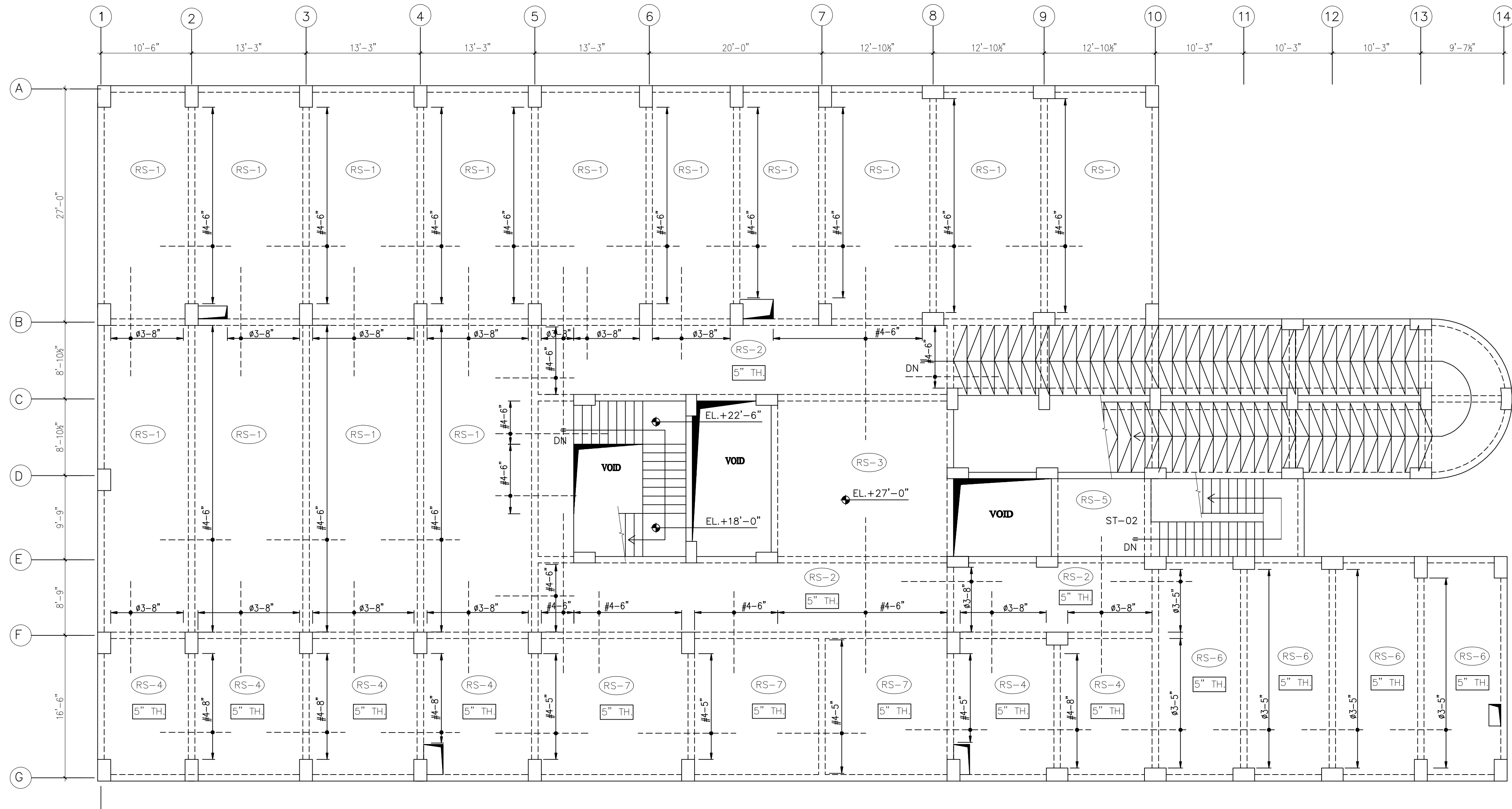
ROOF COLUMN TO BE COVERED BY THE  
PRECAST SLAB PANELS AND GIRDERS



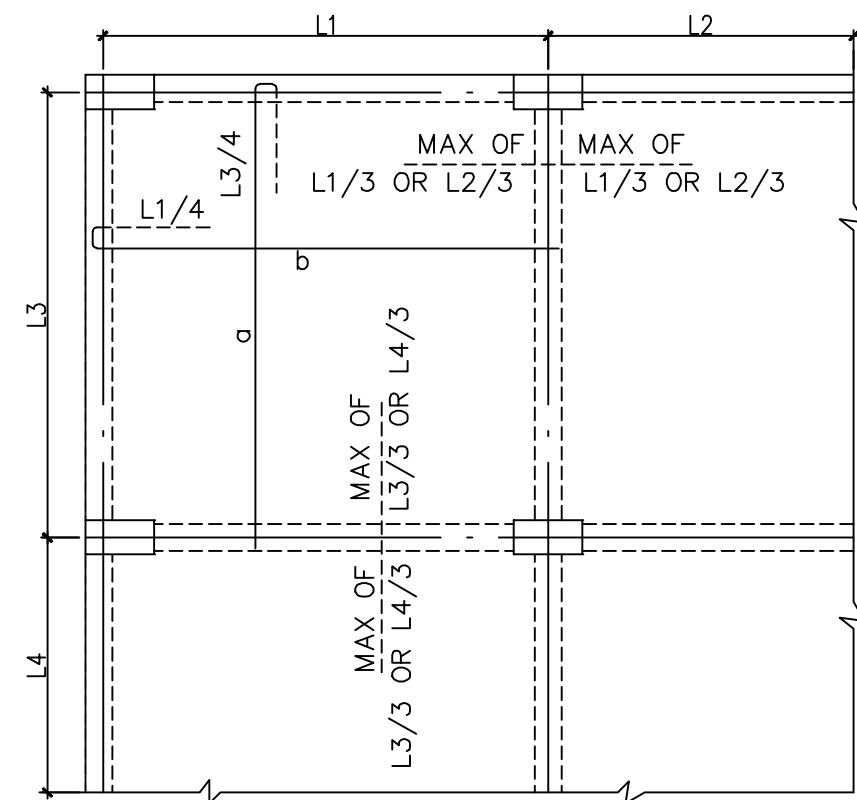
#### NOTES:

1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
4. ALL FLOOR BEAMS 9"x24" EXCEPT NOTED OTHERWISE.
- 5-FOR BEAM REINF. REFER ROOF BEAM SCHEDULE.
- 6-FOR SLAB REINF. REFER SLAB REINF. PLAN.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
FRAMING PLAN AT EL. +27'-0"					
<div> <div> </div> <div> <b>NATIONAL ENGINEERING SERVICES</b>  <b>PAKISTAN (PVT.) LTD. ISLAMABAD</b> </div> </div>					
DESN. <b>NEBPAC</b>	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. <b>AHMAD ABBAS</b>	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. <b>HINA MUMTAZ</b>	NOV. 2022	4199/323/C/01G09		0	
SUBM. <b>HINA MUMTAZ</b>					

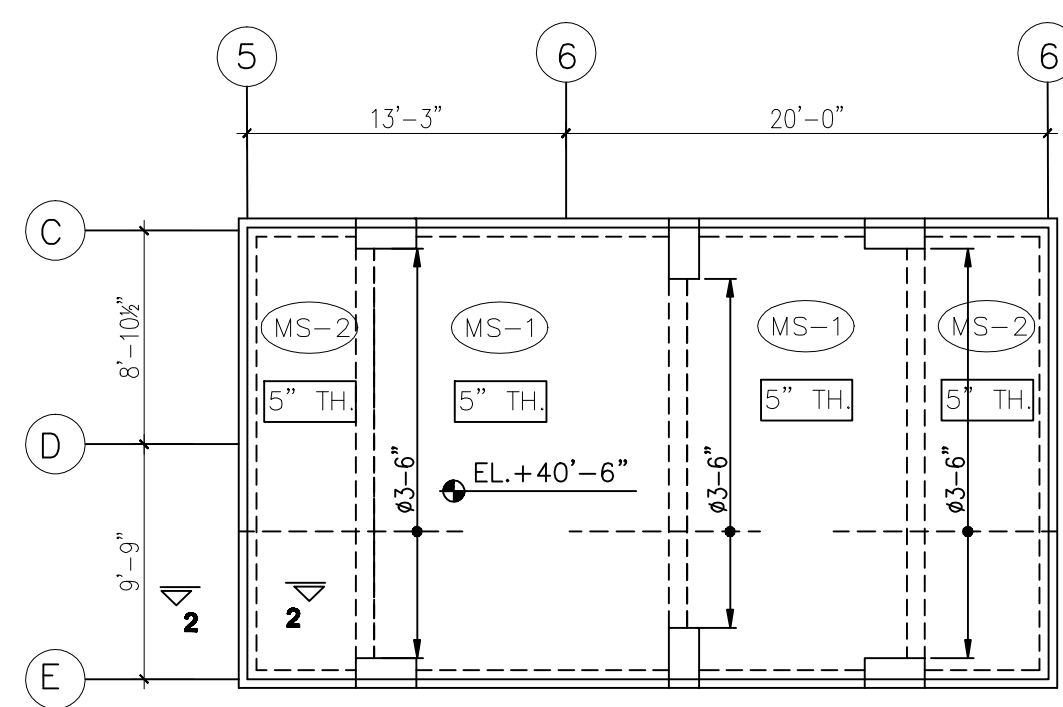


FRAMING PLAN AT EL. +27'-0"

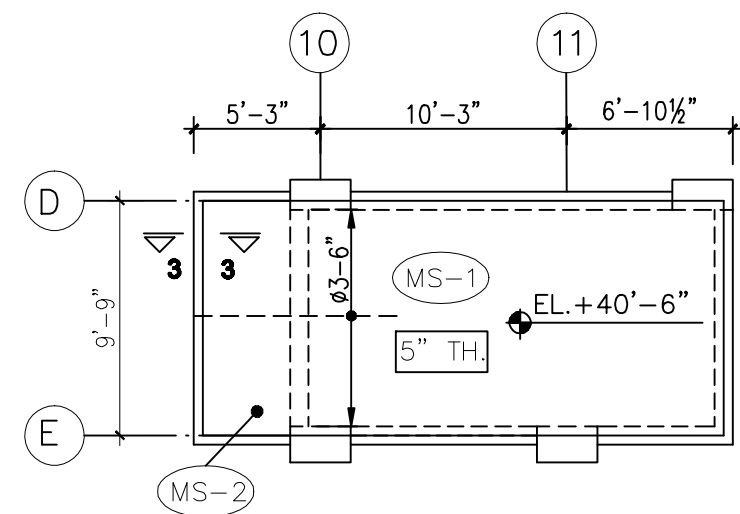


TYP. SLAB REINFORCEMENT PLAN

S L A B S C H E D U L E				
SLAB MARK	SLAB THICKNESS.	B O T T O M R E I N F O U R C E M E N T		
		a	b	REMARKS
RS-1	6"	#4-8"	#4-9"	
RS-2	5"	ø3-8"	ø3-9"	
RS-3	6"	ø3-5"	ø3-6"	
RS-4	5"	ø3-7"	ø3-8"	
RS-5	5"	ø3-9"	ø3-10"	
RS-6	5"	ø3-7"	ø3-9"	
RS-7	5"	ø3-6"	ø3-6"	
MS-1	5"	ø3-7"	ø3-8"	
MS-2	5"	ø3-9"	ø3-10"	



SLAB REINF. PLAN AT EL. +40'-6"



FSLAB REINF. PLAN AT EL. +40'-6"

NOTES:

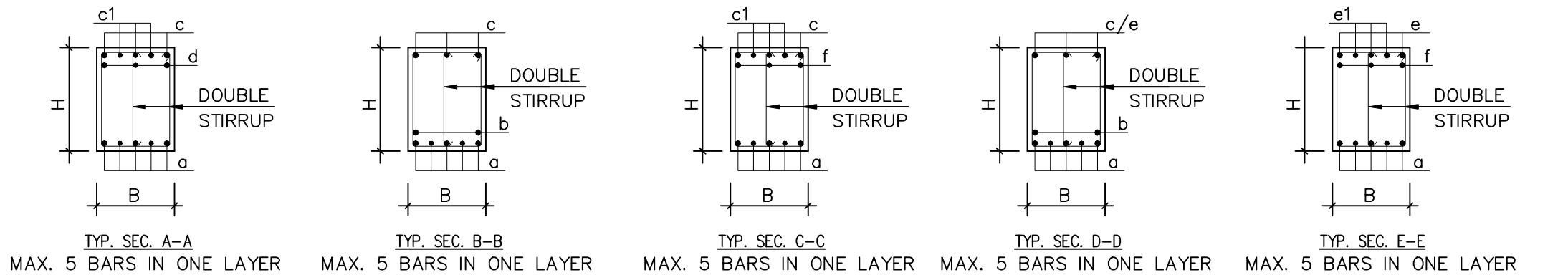
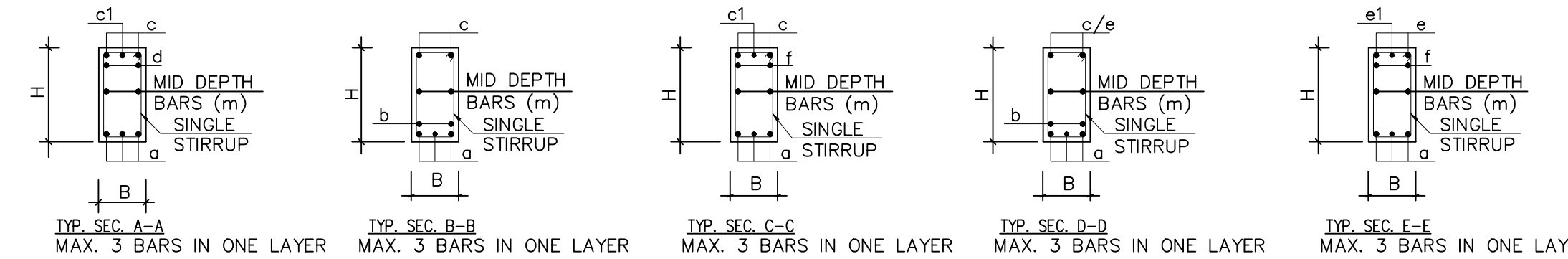
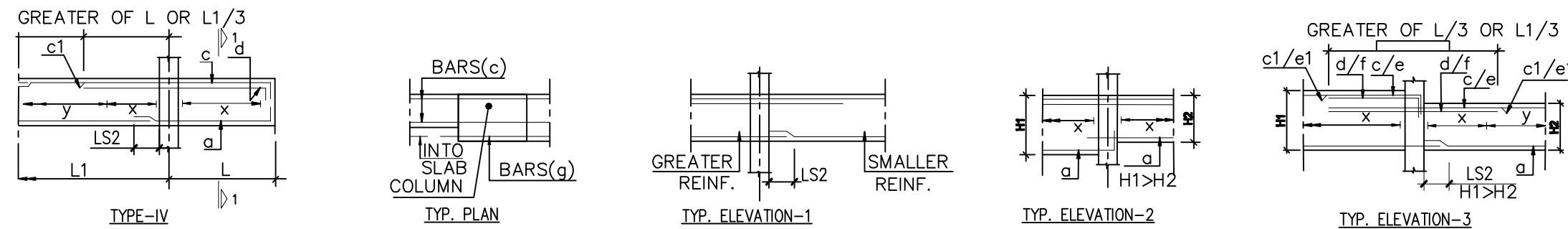
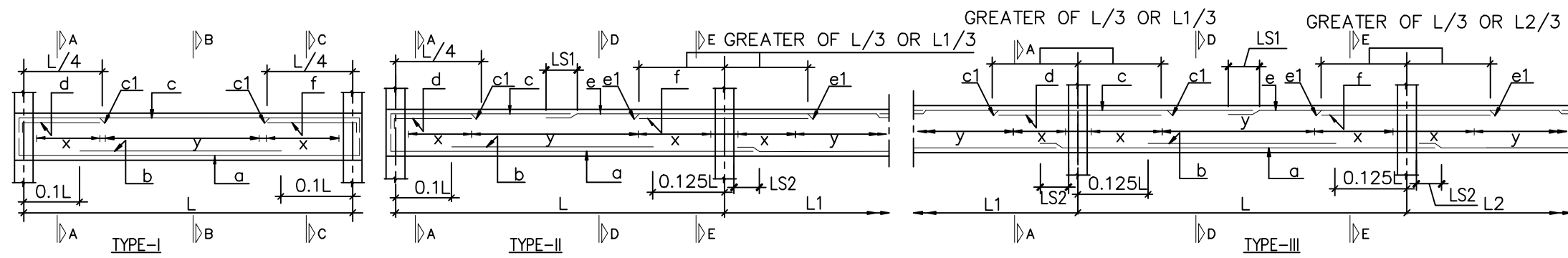
- 1-FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
- 2-READ THIS DRAWING IN CONJUNCTION WITH ALL THE RELEVANT PROJECT DRAWINGS.
- 3-ALL DIMENSIONS ARE IN "FPS" UNITS EXCEPT NOTED OTHERWISE.

NOTES FOR SLAB REINF.

- 1-ALL BINDERS BARS SHALL BE ø3-12" c/c.
- 2-TOP REINF. AT EACH CONTINUOUS EDGE SHALL BE EXTENDED ON BOTH SIDES UP TO MAX. SPAN/3.
- 3-BOTTOM REINF. SHALL BE BENT UP FOR RESPECTIVE SPAN/4 AT EACH DISCONTINUOUS EDGE.
- 4-ALL SLABS ARE 6" TH. EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
SLAB REINF. PLAN AT EL.+27'-0"					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBP	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAJIB RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G10		0	
SUBM. HINA MUMTAZ					

R O O F B E A M S C H E D U L E															
BEAM MARK	SIZE (BxH)	TYPE	L O N G I T U D I N A L R E I N F O R C E M E N T						S T I R R U P S		R E M A R K S				
			a	b	c	c1	d	e	e1	f		g	m	x	y
RB-1	9"x24"	II	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-2	9"x24"	III	2-#6+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-2a	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-5"	#4-5"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-3	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-4	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-5	9"x48"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	3+3-ø3	ø3-5"	ø3-10"	
RB-6	9"x24"	II	3-#6	-	2-#8	-	2-#8	2-#8	-	2-#8	-	-	#4-4"	#4-4"	
RB-7	9"x24"	III	3-#6	-	2-#8	-	2-#8	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-8	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-9	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-9a	9"x24"	III	2-#6+2-#5	-	2-#6	1-#6	2-#6	2-#6	1-#6	2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-10	9"x24"	III	3-#6	-	2-#6	1-#6	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-11	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-12	9"x24"	III	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-13	9"x24"	II	3-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	
RB-14	9"x24"	III	3-#6	-	2-#6	1-#5	2-#6	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	
RB-15	9"x24"	III	3+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-16	9"x24"	III	3-#6	-	2-#8	1-#6	2-#8	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
RB-17	9"x24"	II	3-#6	-	2-#6	-	-	2-#6	1-#5	2-#6	-	-	ø3-5"	ø3-10"	
RB-18	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-19	9"x24"	III	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-20	9"x24"	II	2+2-#8	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-21	9"x24"	II	2-#8+2-#6	-	2-#8	-	2-#8	2-#8	1-#6	2+2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'o' & 'f' IN TWO LAYERS.
RB-22	9"x30"	III	2-#8+1-#6 +2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-22a	9"x30"	III	2-#8+1-#6 +2-#8	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-23	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2+2-#8	2-#8	1-#6	2+2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-24	9"x24"	I	3-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	
RB-25	9"x24"	I	2-#8+2-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-26	9"x24"	I	2-#8+2-#6	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-27	9"x24"	II	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-28	9"x24"	III	2-#8+2-#6	-	2-#8	1-#6	2-#8	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-29	9"x24"	II	2-#8+2-#6	-	2-#8	-	-	2-#8	1-#6	2-#8	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-30	9"x24"	I	2-#8+2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	#4-4"	#4-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-31	9"x24"	I	2-#8+1-#6	-	2-#8	1-#6	2-#8	-	-	2-#8	-	-	#4-4"	#4-8"	
RB-32	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-4"	PROVIDE BAR 'b' IN TWO LAYERS.
RB-33	9"x24"	I	2-#8	-	2-#8	-	2-#8	-	-	2-#8	-	-	ø3-5"	ø3-10"	
RB-34	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-5"	#4-10"	PROVIDE BAR 'a' 'd' & 'f' IN TWO LAYERS.
RB-35	9"x24"	I	2-#8	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	ø3-4"	ø3-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RB-36	9"x24"	I	2-#8+1-#6	-	2-#8	-	2-#8+2-#6	-	-	2-#8+2-#6	-	-	#4-4"	#4-8"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-1	9"x24"	II	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-2	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-3	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-5"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-4	9"x24"	II	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-5	9"x24"	III	2+2-#5	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-5"	ø3-10"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-6	9"x24"	I	2+2-#6	-	2-#6	-	2-#6	-	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
RMB-7	9"x24"	II	2+2-#6	-	2-#6	-	2-#6	2-#6	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
LB-1a	9"x24"	II	2-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
LB-2	9"x24"	I	3+2-#6	-	2-#6	1-#6	2-#6	-	-	2-#6	-	-	ø3-4"	ø3-4"	PROVIDE BAR 'a' IN TWO LAYERS.
MB-1	9"x24"	IV	2-#5	-	3-#5	-	-	-	-	-	-	-	ø3-4"	ø3-4"	
MB-2	9"x24"	III	3-#5	-	2-#5	1-#5	-	2-#5	1-#5	-	-	-	ø3-5"	ø3-10"	
MB-3	9"x24"	I	3-#5	-	2-#5	1-#5	-	-	-	-	-	-	ø3-5"	ø3-10"	
MB-4	9"x24"	I	2-#5	-	2-#5	-	-	-	-	-	-	-	ø3-5"	ø3-10"	



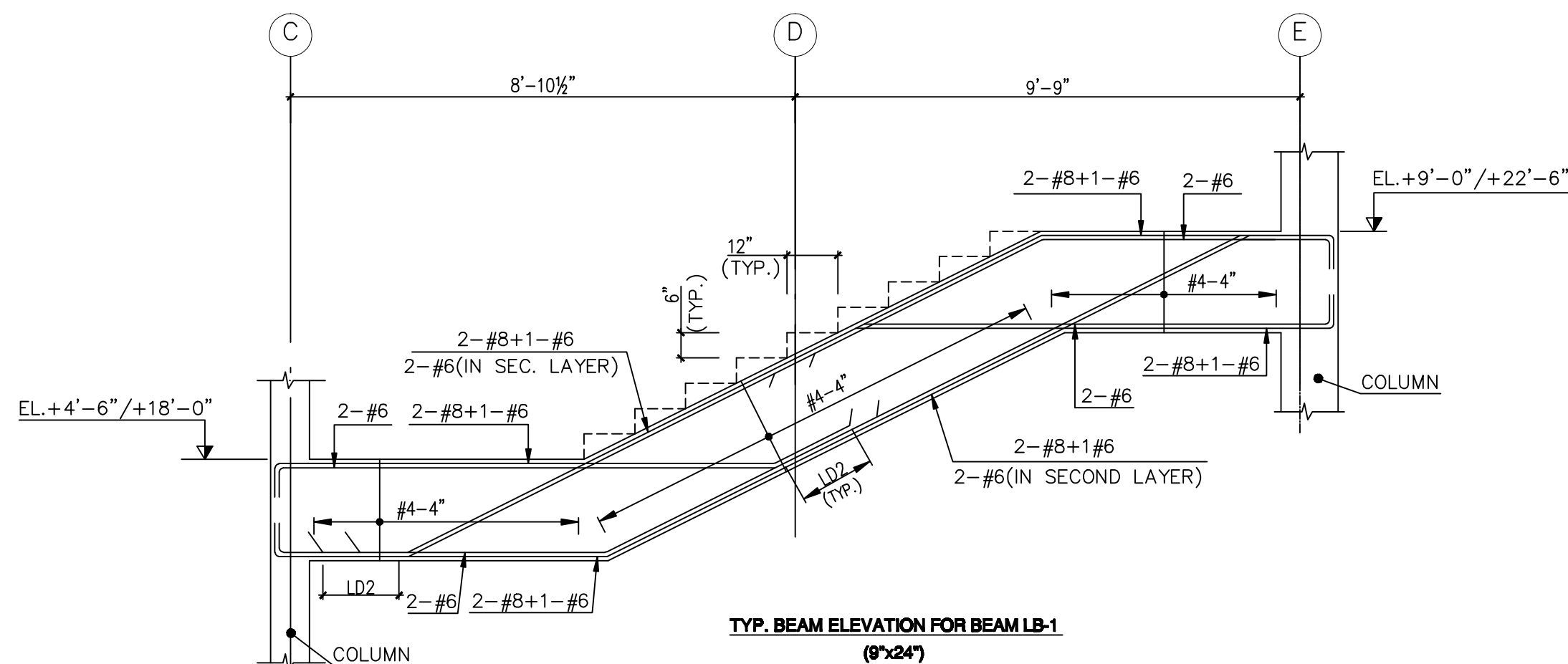
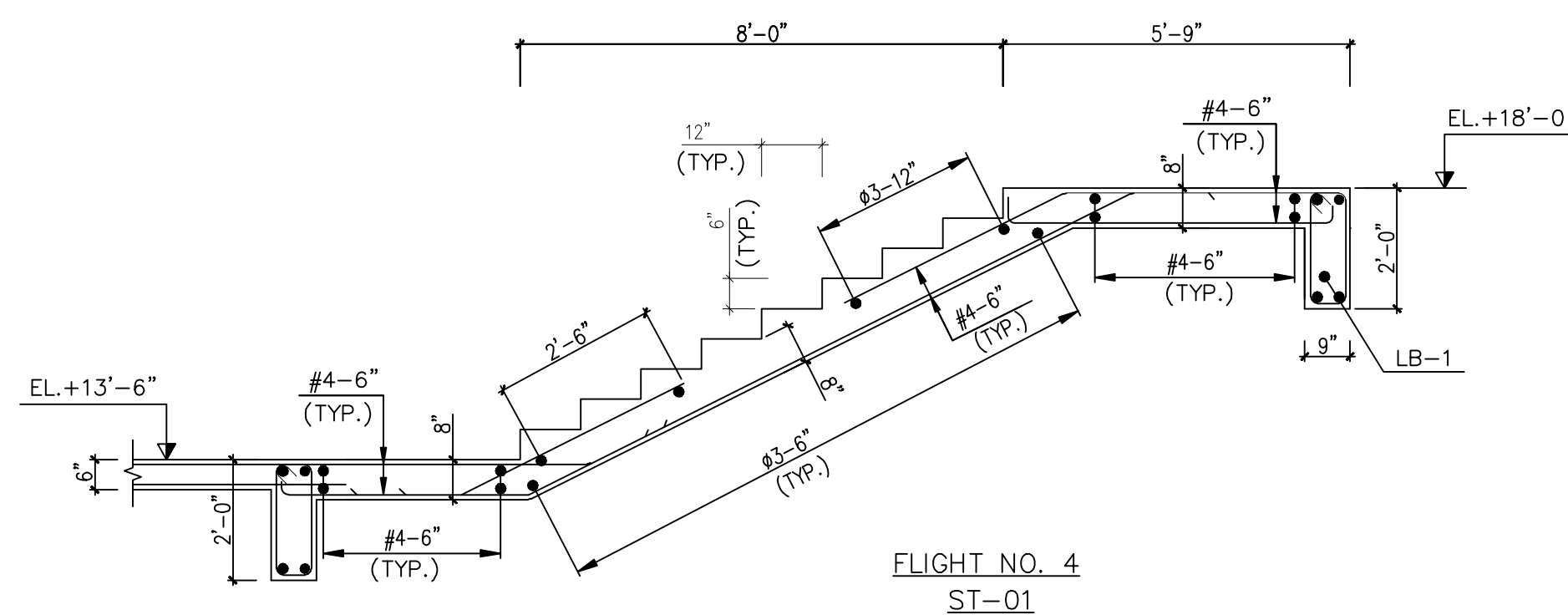
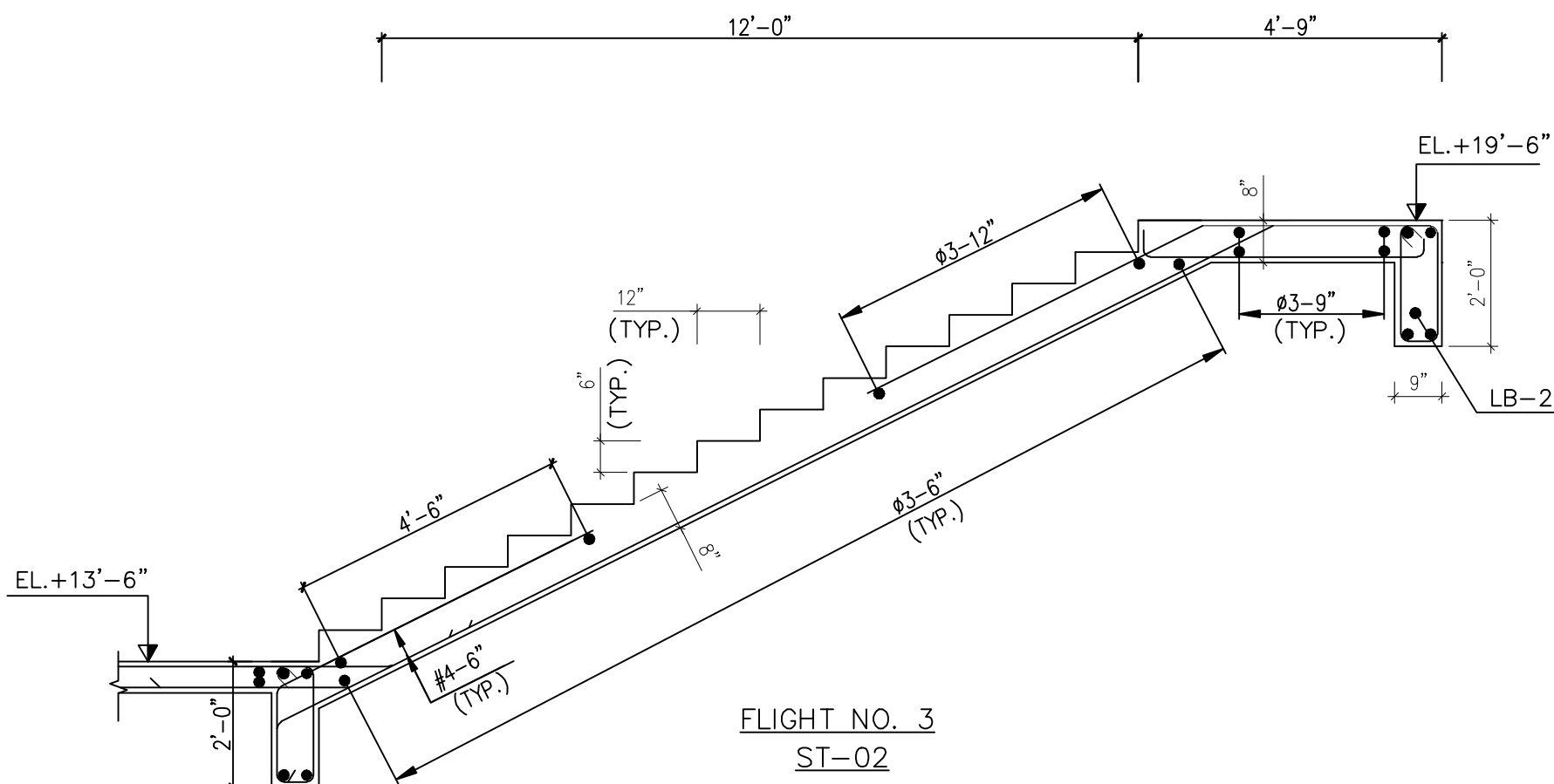
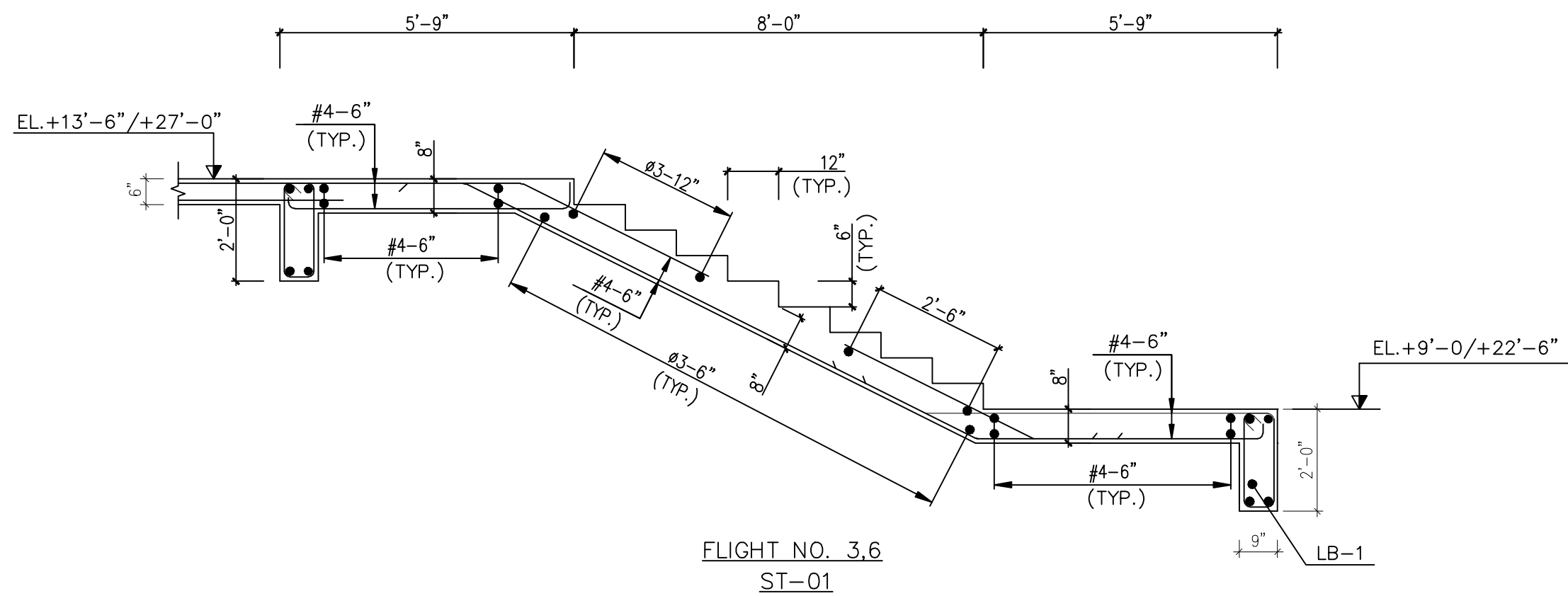
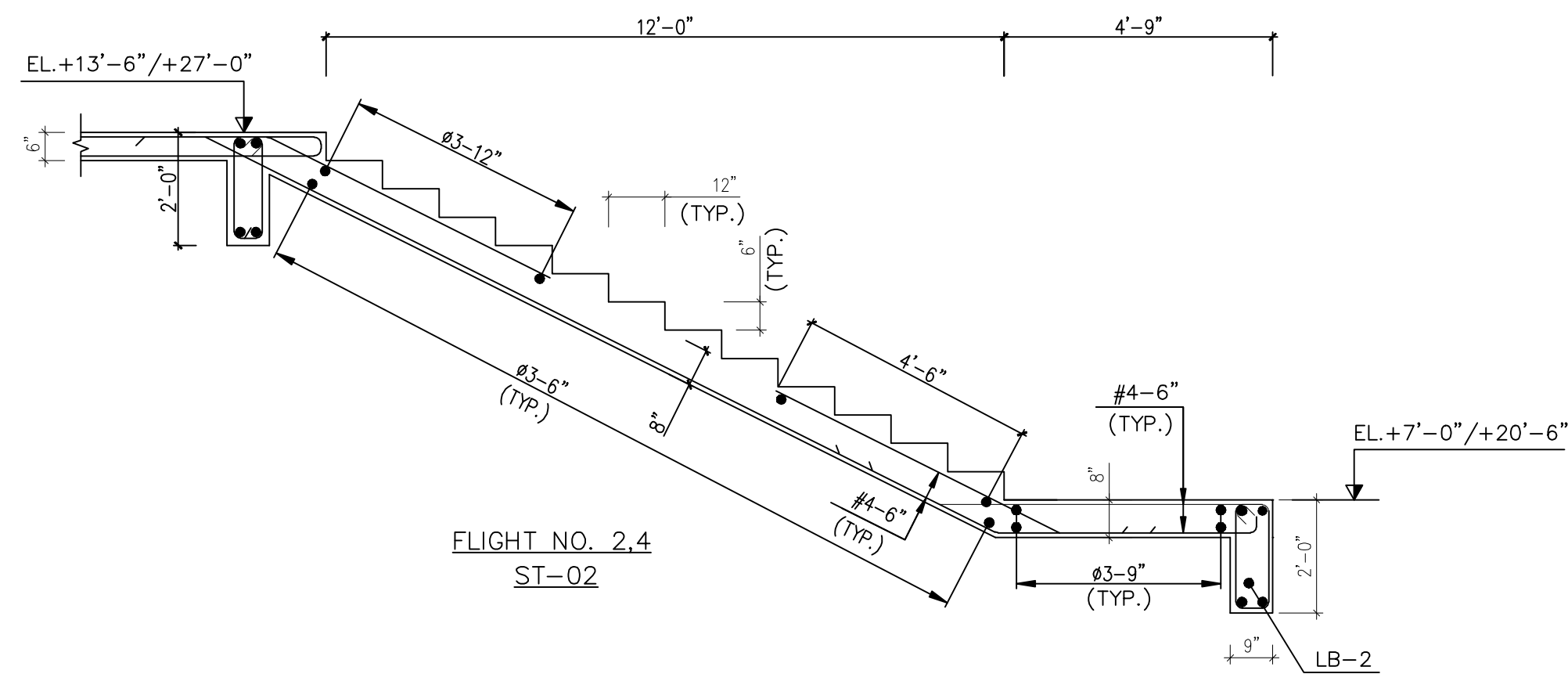
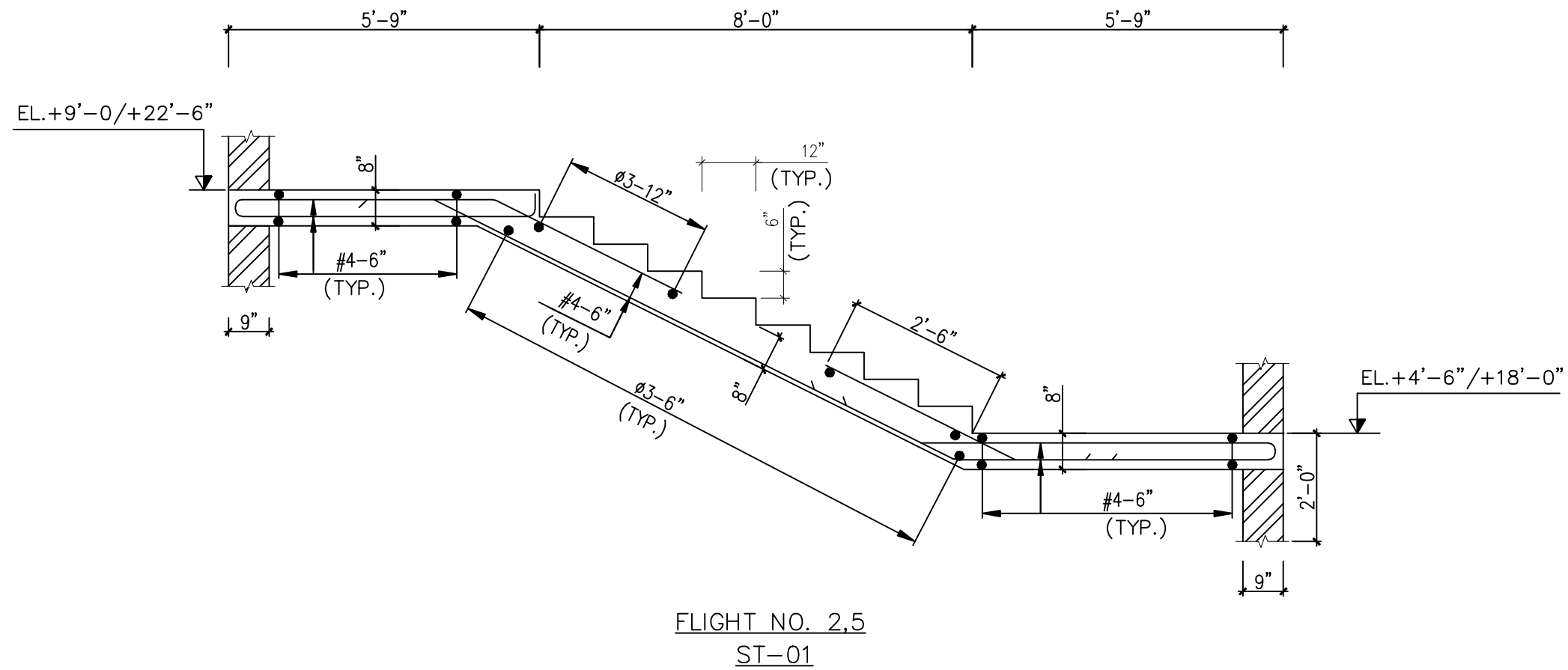
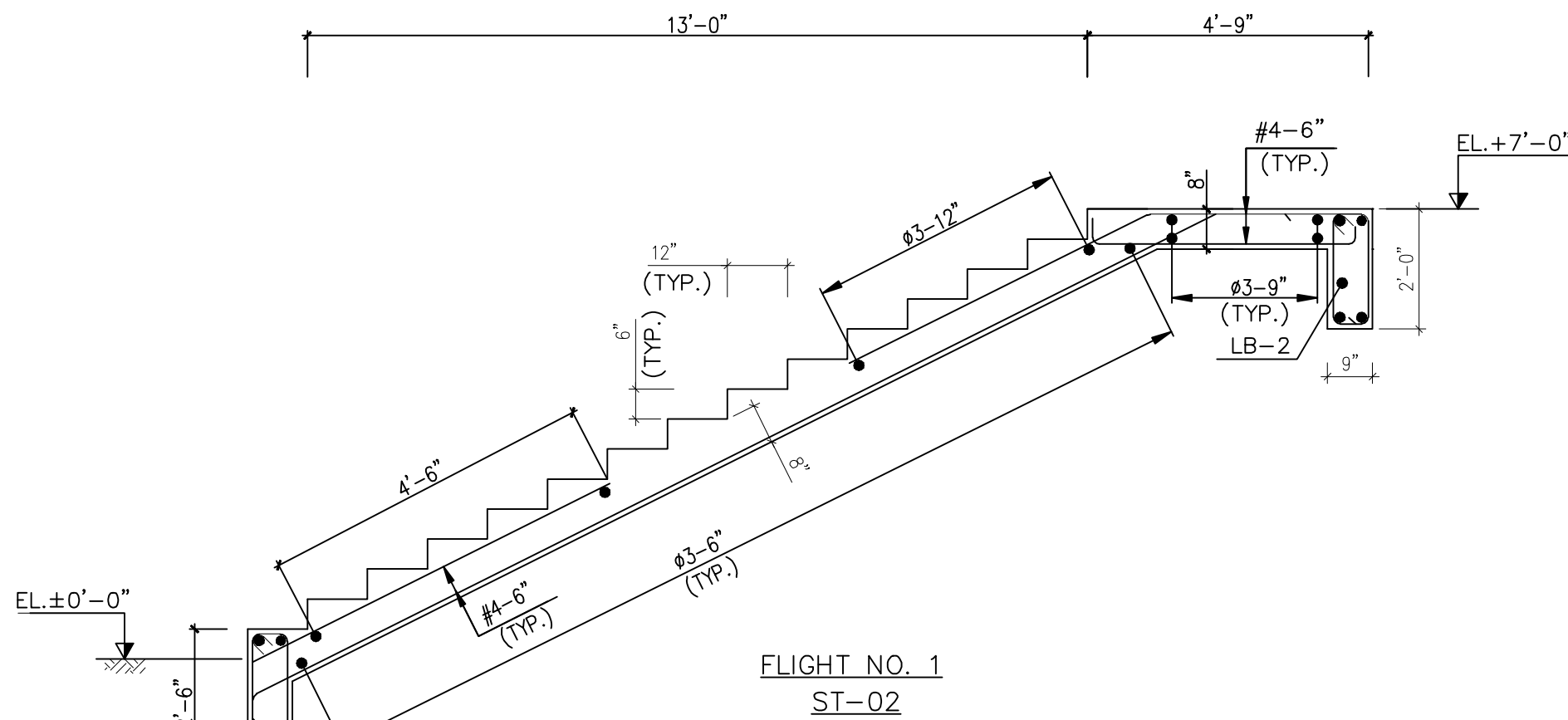
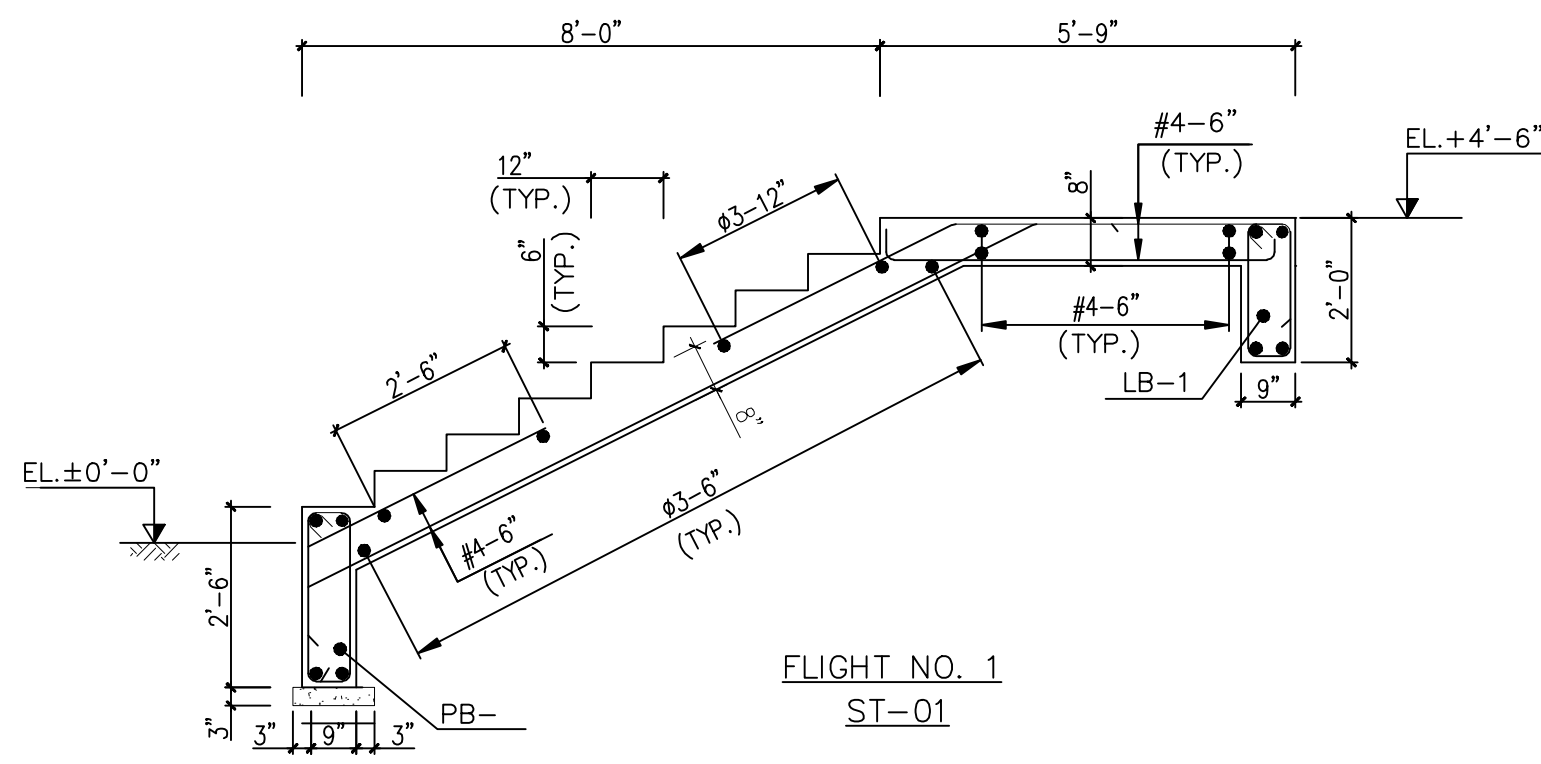
# NOTES

- 1-FOR SUPPORT CONDITION REFER FRAMING PLAN.
- 2-READ TYPE I & TYPE III, FROM LEFT TO RIGHT FOR HORIZONTAL BEAMS & BOTTOM TO TOP FOR VERTICAL BEAMS.
- 3-FIRST STIRRUP SHALL BE PLACED AT 2" FROM THE FACE OF SUPPORT.
- 4-x = 2H.
- 5-SEE TYPICAL PLAN FOR DIFFERENT WIDTHS OF BEAMS.
- 6-SEE TYPICAL ELEVATION-2 & 3 FOR DIFFERENT DEPTHS OF BEAMS.
- 7-SEE TYPICAL ELEVATION-1 FOR LAP LOCATION.
- 8-BARS 'b,d & 'f' SHALL BE PROVIDED IN SECOND LAYER. UNLESS NOTED OTHERWISE.
- 9-THE LOCATION OF LAPS SHOWN IN TYPE II,III & IV IS INDICATED, IT MAY BE ELIMINATED.
- 10-LAPS (IF REQUIRED,) SHALL BE PROVIDED AT LOCATION SHOWN ON THE TYPICAL ELEVATIONS USING MAXIMUM AVAILABLE LENGTH.
- 11-FOR TOP REINF. AT COMMON CONTINUOUS END OF TWO BEAMS THE GREATER OF THE TWO REINF. SHALL BE PROVIDED.
- 12-LEAN CONCRETE SHALL BE PROVIDED UNDER PLINTH BEAMS ONLY.

## SPECIAL NOTE


1- 1" CAMBER SHOULD BE PROVIDED IN THE CENTER OF ALL BEAMS HAVING SPAN GREATER THAN 20'-0"

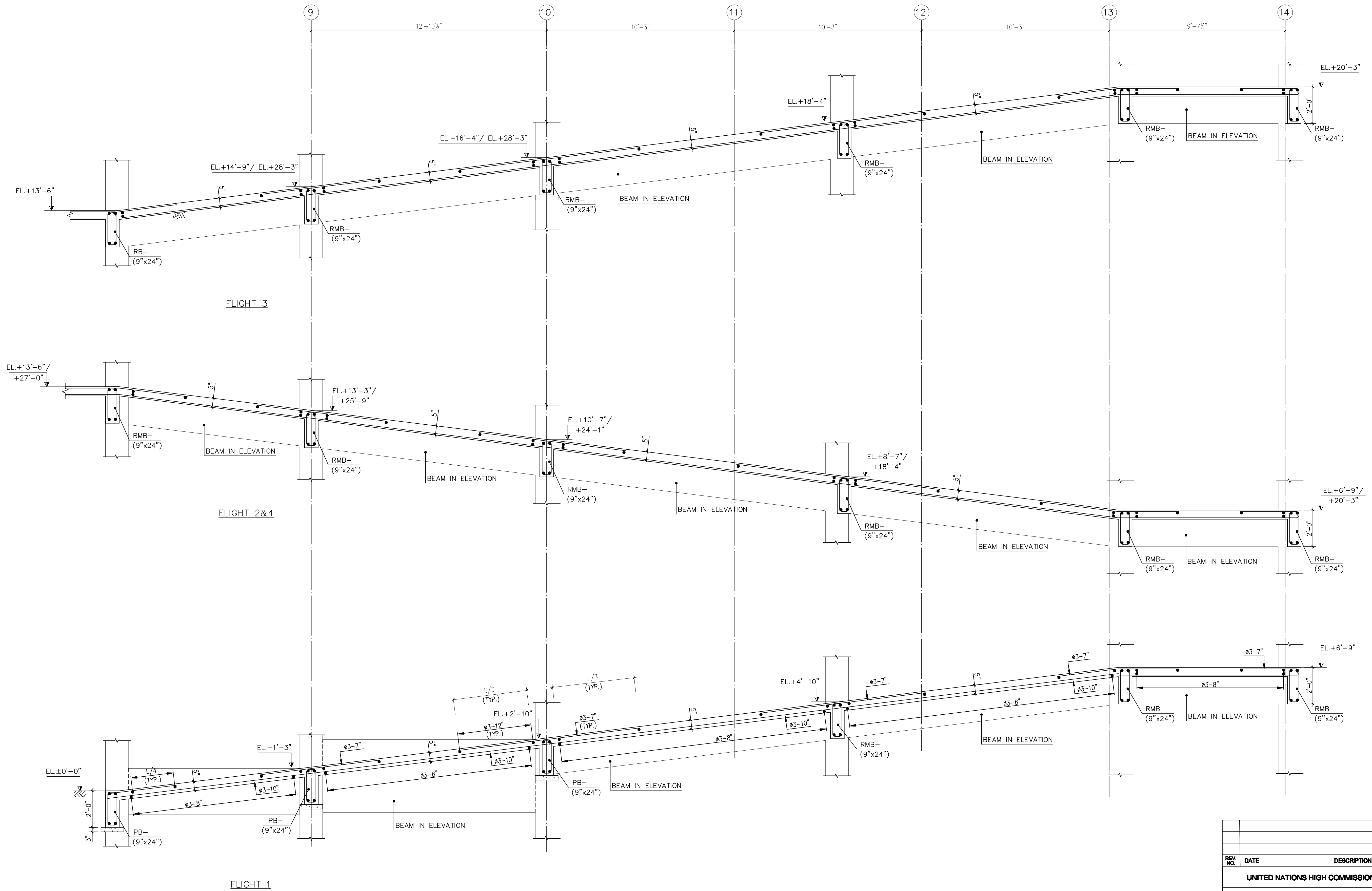
REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
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<div> <div> </div> <div> <b>NATIONAL ENGINEERING SERVICES</b>  <b>PAKISTAN (PVT.) LTD. ISLAMABAD</b> </div> </div>					
DESN. <b>NESPAK</b>	RECOMMENDED	VER./CHKD.	APPROVED		
DWN. <b>AHMAD ABBAS</b>	HINA MUMTAZ	HINA MUMTAZ	AAJIB RASHEED		
FILE	DATE	DRAWING NO.			REV.
CKD. <b>HINA MUMTAZ</b>	NOV., 2022	4199/323/C/01G11			0
SUBM. <b>HINA MUMTAZ</b>					



# NOTES:

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- READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
- ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
STAIR DETAILS					
<div>  <b>NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD</b> </div>					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAMIR RASHEED		
FILE	DATE	DRAWING NO.		REV.	
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G12		0	
SUBM. HINA MUMTAZ					



- NOTES:
1. FOR GENERAL NOTES, REFER DRAWING NO. 4199/323/C/01G01
  2. READ THIS DRAWING IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS.
  3. ALL UNITS ARE IN 'FPS' SYSTEM, EXCEPT NOTED OTHERWISE.
  4. ALL SLAB ARE 6"-TH. EXCEPT NOTED OTHERWISE

REV. NO.	DATE	DESCRIPTION	BY	CHKD.	APPR.
UNITED NATIONS HIGH COMMISSIONER FOR REFUGEES					
CONSTRUCTION OF CCU BLOCK AT DISTRICT HEADQUARTER HOSPITAL, BANNU					
RAMP SECTIONAL DETAILS					
NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LTD. ISLAMABAD					
DESN. NEBPAK	RECOMMENDED	VER/CHKD.	APPROVED		
DWN. AHMAD ABBAS	HINA MUMTAZ	HINA MUMTAZ	AAAMIR RASHEED		
FILE	DATE	DRAWING NO.			REV.
CKD. HINA MUMTAZ	NOV., 2022	4199/323/C/01G13			0
SUBM. HINA MUMTAZ					