

Naqshar Architects & Consultants

DESIGN PHASE :
PROPOSED DRAWING

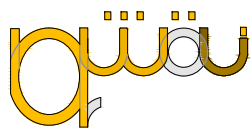
TITLE SHEET :
FRONT ELEVATION

CLIENT NAME :
AIR UNIVERSITY

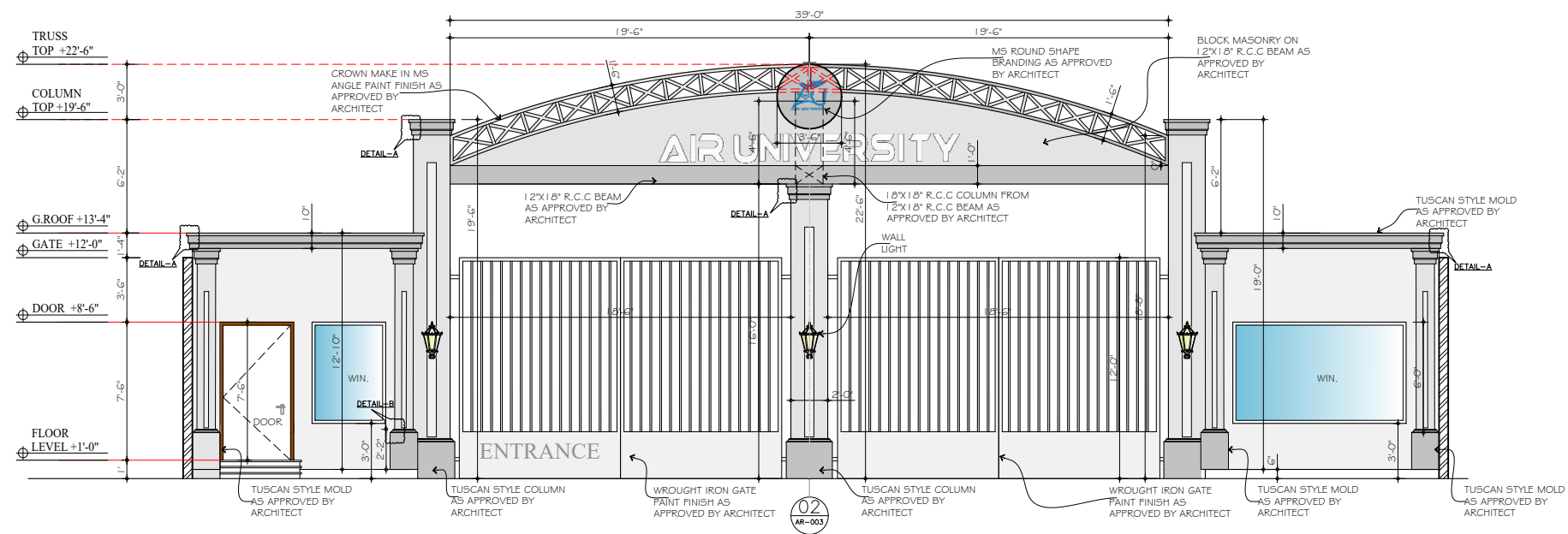
CLIENT ID :
NQ-H-172

ADDRESS
AIR UNIVERSITY KORANGI CREEK
CAMPUS, KARACHI

NO.	DISCRIPTION	DATE	SHEET NO.
01	ISSUED FOR REVIEW	24-07-2026	AR-000
-	-	-	
-	-	-	
			SCALE: NTS.

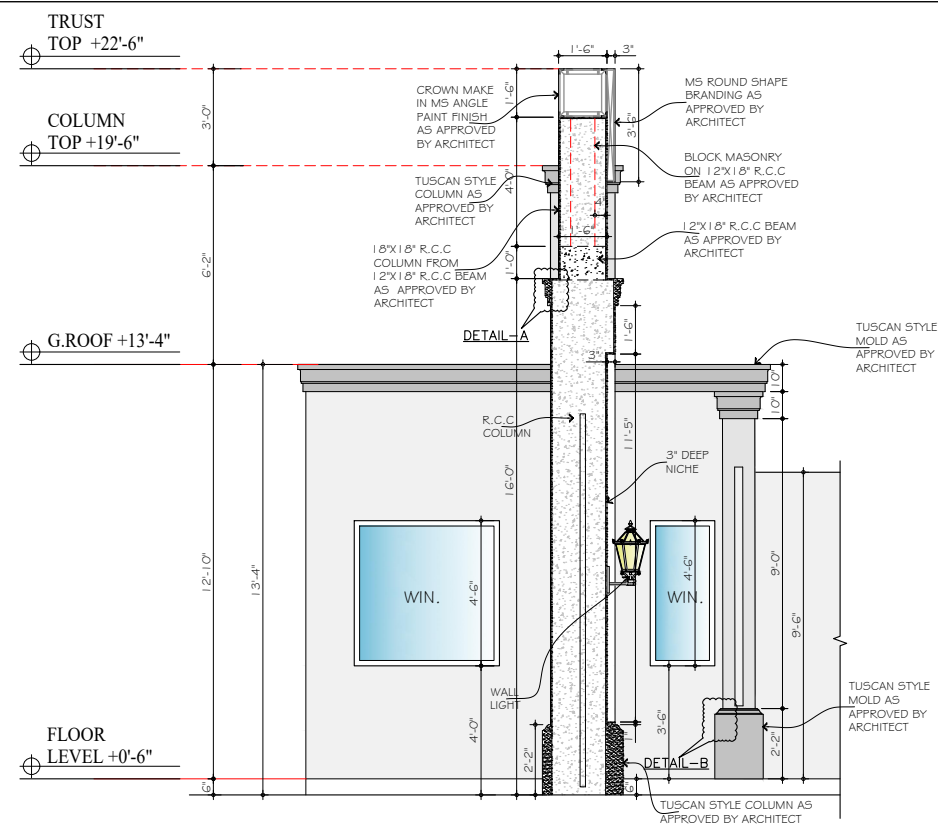


SHEET NO.	
AR-001	
SCALE:	NTS.



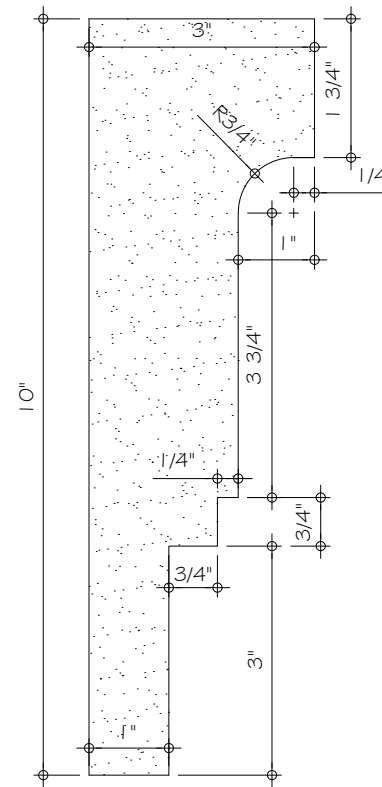
ELEVATION-01

SCALE : NTS



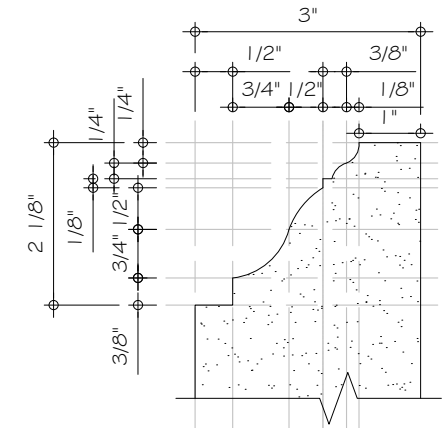
SECTION-02

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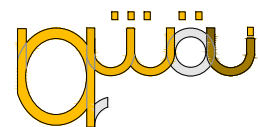
DETAIL-A

SCALE : NTS



DETAIL-B

SCALE : NTS



Naqshar Architects & Consultants

DESIGN PHASE :
PROPOSED DRAWING

TITLE SHEET :
ENT.GATE ELEVATION,SECTION & DETAIL

CLIENT NAME :
AIR UNIVERSITY

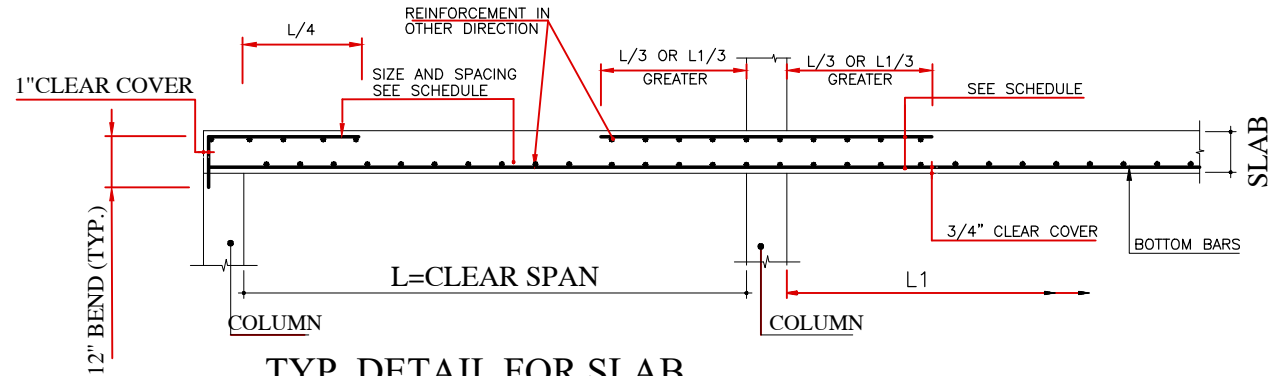
CLIENT ID :
NQ-H-172

ADDRESS
AIR UNIVERSITY KORANGI CREEK
CAMPUS, KARACHI

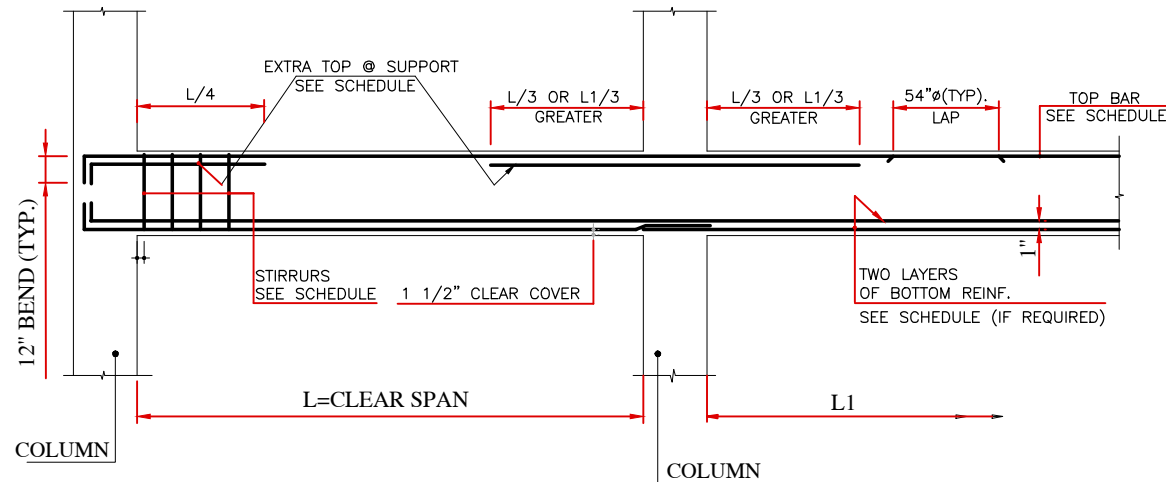
NO.	DISCRIPTION	DATE	SHEET NO.
01	ISSUED FOR REVIEW	24-07-2026	AR-003
-	-	-	
-	-	-	
			SCALE: AS SHOWN

GENERAL NOTES :

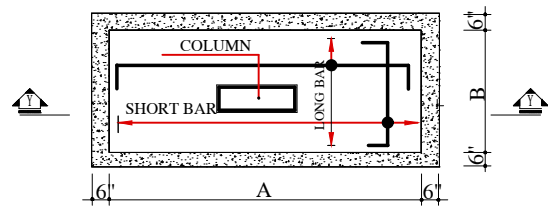
- 1- CONTRACTOR SHALL VERIFY ALL DIMENSION AND CONDITIONS AT THE JOB SITE PRIOR TO START OF CONSTRUCTION.
- 2- UNLESS SHOWN OR NOTED OTHERWISE, TYPICAL DETAILS & GENERAL NOTES SHALL BE USED WHEREVER APPLICABLE.
- 3- CONTRACTOR SHALL FURNISH & INSTALL ADEQUATE SHORING, BRACING ETC. REQUIRED TO SAFELY EXECUTE ALL WORK & SHALL BE FULLY RESPONSIBLE FOR THE SAME.
- 4- THE NET ALLOWABLE BEARING PRESSURE FOR DEAD LOADS PLUS LIVE LOADS IS 0.8 T/Sq ft.(Assumed at 5.5 ft depth from Road Level)
- 5- ALL R.C.C. WORK INCLUDING FOOTING AND PLINTH BEAMS TO BE CASTED USING MIXTURE MACHINE AND VIBRATOR.
- 6- ALL FOOTING TO BE CENTERED ON COLUMN CENTERS UNLESS SHOWN OTHERWISE ON PLAN.
- 7- ALL STRUCTURAL CONCRETE SHALL BE DESIGN MIX HAVING CYLINDRICAL STRENGTH $F_c' = 3500$ AT 28 DAYS.
AT LEAST FOUR SAMPLES OF 6" x 6"x 6" SIZED CUBES OF CONCRETE MUST BE TAKEN EVERY TIME FRESH CONCRETING IS DONE.
- 8- CONCRETE CLEAR COVERS ARE AS FOLLOWS.
FOOTING = 2", COLUMN= (As Per dwg) , BEAM= 1", FROM SIDES AND 1 1/2" FROM BOTTOM AND SLAB 3/4"
- 9- STEEL MESH SIZE FOR ALL FOOTING TO BE 6" LESS THEN ACTUAL FOOTING SIZE.
- 10- MARK ϕ INDICATES MILD STEEL AND MARK # INDICATES TOR STEEL.
- 11- MINIMUM YIELD STRENGTH OF MILD STEEL IS 36,000 P.S.I. AND OF TOR STEEL IS 60,000 P.S.I.
- 12- USE ORDINARY PORTLAND CEMENT.
- 13- MINIMUM OVER LAP IN ANY BAR IS 54xDIA
- 14- CURING OF COLUMN TO BE DONE AFTER WRAPPING THE COLUMN WITH JUTE CLOTH.
- 15- CURING PERIOD FOR ALL CEMENT WORK SHALL BE ATLEAST FOR 14 DAYS.
- 16- NO POURING SHALL BE DONE WITHOUT PRIOR INSPECTION AND WRITTEN PERMISSION OF ENGINEER INCHARGE.
- 17- ALL AGGREGATES TO BE WASHED PROPERLY BEFORE USE.
- 18- USE OF UNDER SIZE AND BARS MADE OF SCRAP ARE NOT ALLOWED.
- 19- CHANGES WHAT-SO-EVER NOT PERMITTED.
- 20- FOR LEVELS SEE ARCHITECTURAL DRAWING ALSO.
- 21- FOR CONCRETE POURING SEPARATE PLATFORM SHALL BE MADE AT THE LEVEL OF MAIN SHUTTERING.
- 22- WOODEN PLANKS FOR CONCRETE TROLLEYS TO BE PLACE ON STEEL CHAIRS, DURING CONCRETING PLACE JUTE CLOTH BELOW PLANKS FOR TROLLEYS.
- 23- ALL CONSTRUCTION JOINT OF U.G.W.TANK, BASEMENT WALL TO BE TREATED WITH 9" WIDE P.V.C.WATER STOPPER.
- 24- ALL STRUCTURAL DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. ANY DISCREPANCY MUST BE REFEREED TO THE ARCHITECT.
- 25- PROPER SLEEVES TO BE KEPT IN R.C.C. MEMBERS FOR PLUMBING,ELECTRICAL AND H.V.A.C. WORK,PRIOR TO CASTING NO CUTTING OR CHISELING WILL BE ALLOWED LATER.
- 26- DO NOT USE METAL STRIPS IN UNDER GROUND/OVER HEAD WATER TANK.
- 27- READ THIS DRAWING IN CONJUNCTION WITH OTHER STRUCTURAL DRAWING.
- 28- ALL BURGES SHALL BE MARKED WITH GRIDS AND SHOWING PLINTH LEVEL.
- 29- DURING & AFTER CONCRETING LOWER FLOOR SHOULD ALSO BE PROPPED SPECIALLY CANTILEVERS.
- 30- ADD WATER PROOFING ADMIXTURE IN UGW & OHWT AS PER MANUFACTURER'S RECOMMENDATION.



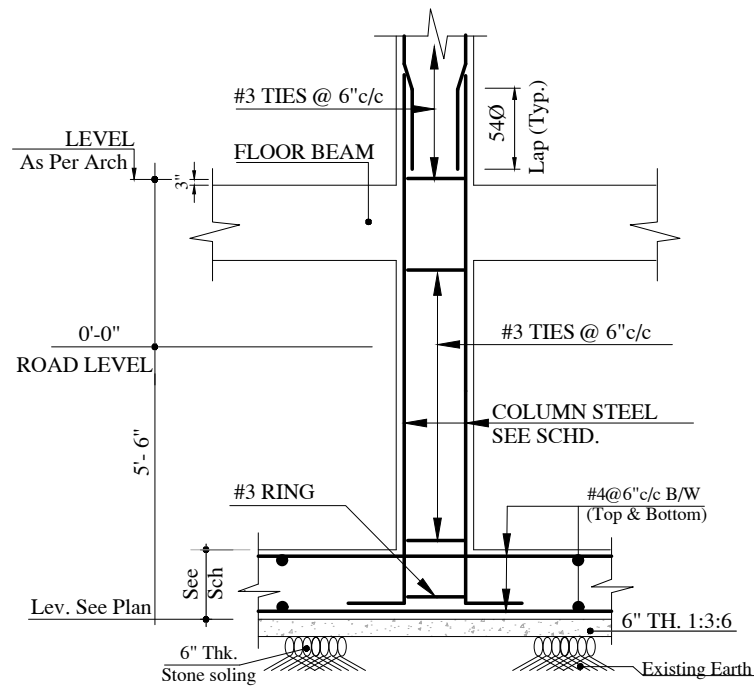
TYP. DETAIL FOR SLAB



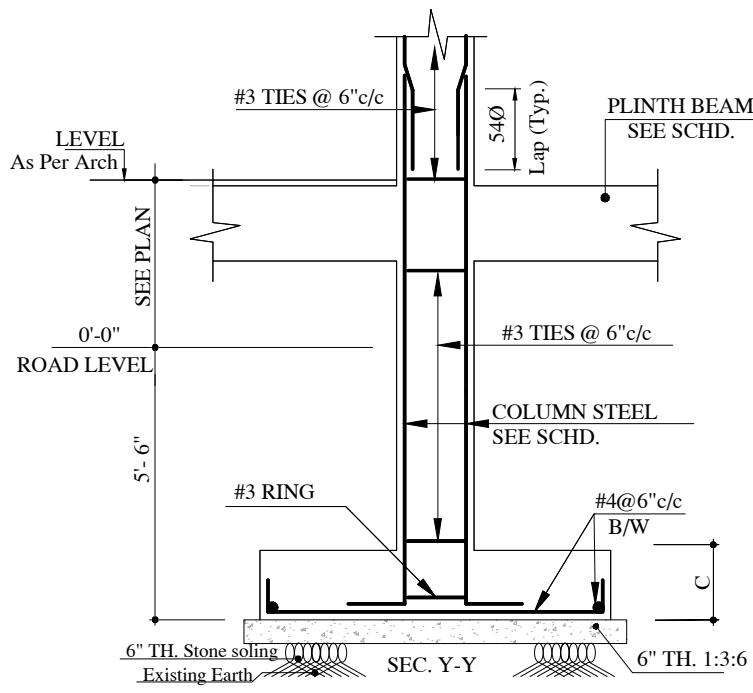
TYP. DETAIL FOR BEAM



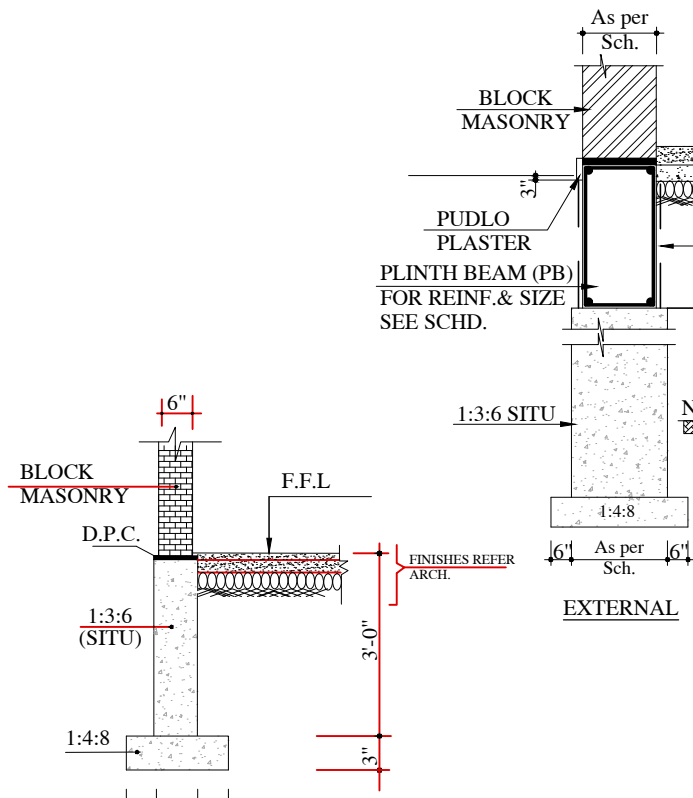
TYP. PLAN OF FOOTING



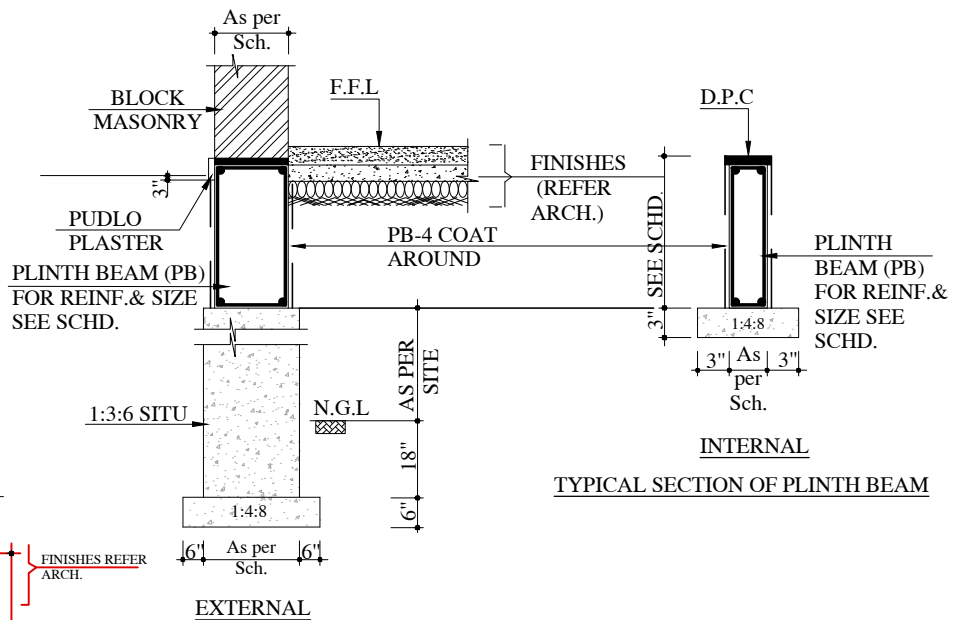
TYP. SEC. OF COMBINED FOOTING



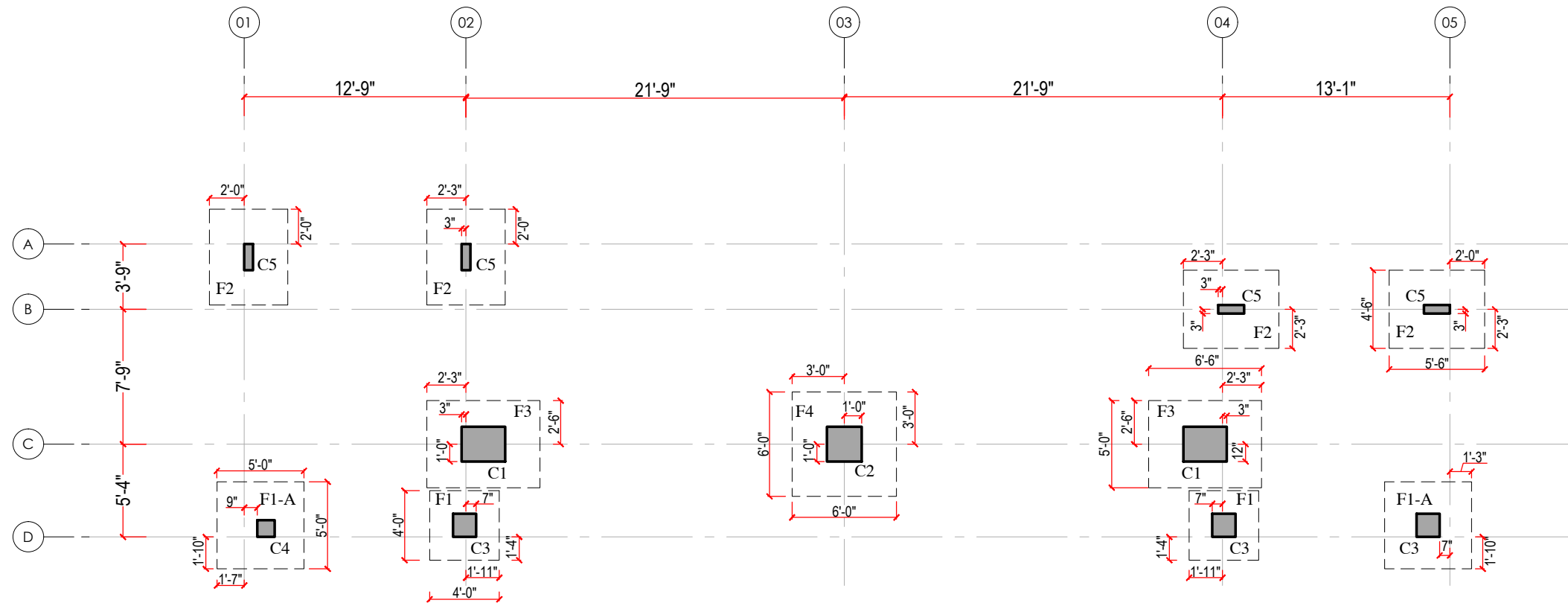
TYP. SEC. OF COLUMN/ FOOTING



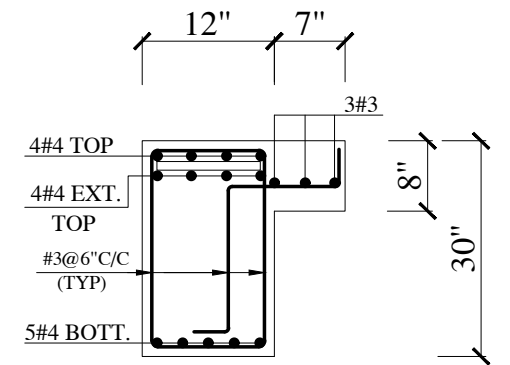
TYP. SEC. OF WALL FOOTING



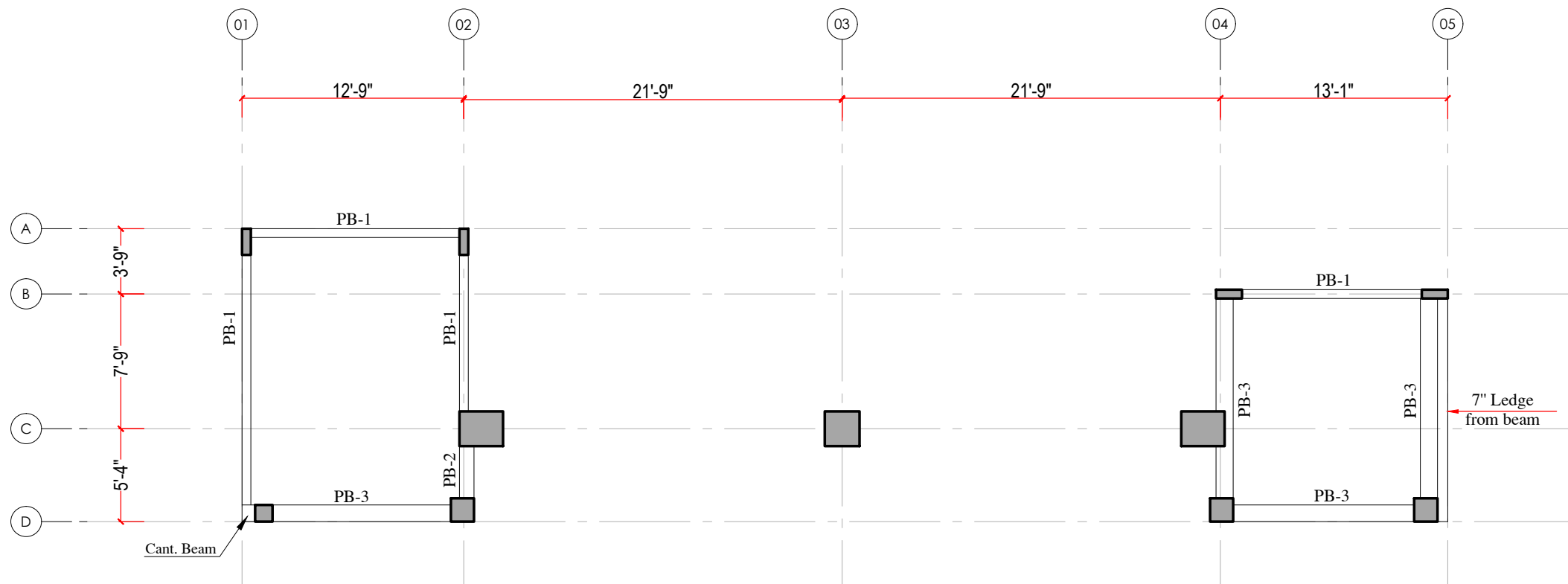
PROJECT	ENTRANCE GATE (AIR UNIVERSITY)	SCALE	NTS
TITLE	GENERAL NOTES & TYP. DETAILS	DATE	JUNE-2026
ADDRESS	KORANGI CREEK KARACHI	DRAWN BY:	ENGR. MUSSAIB
		DESIGN BY:	ENGR. MUSSAIB
		ORIG. NO.	S-00



FOUNDATION PLAN

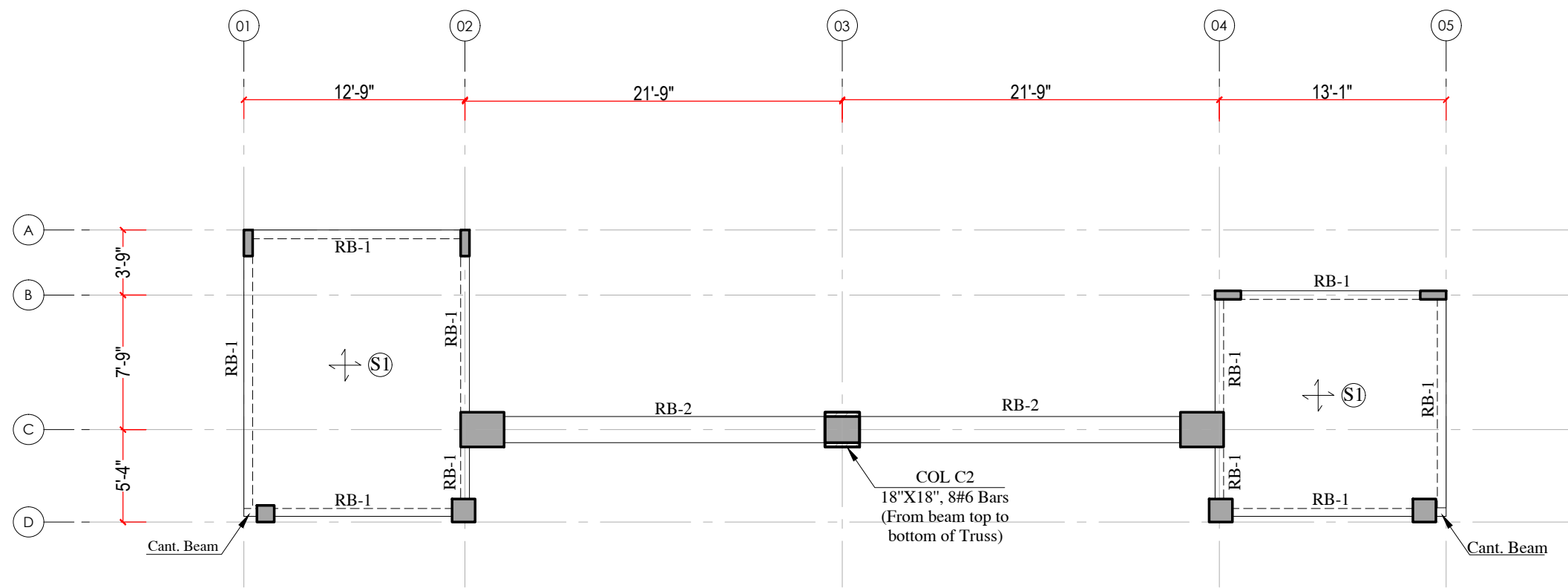


(LEDGE DETAIL)

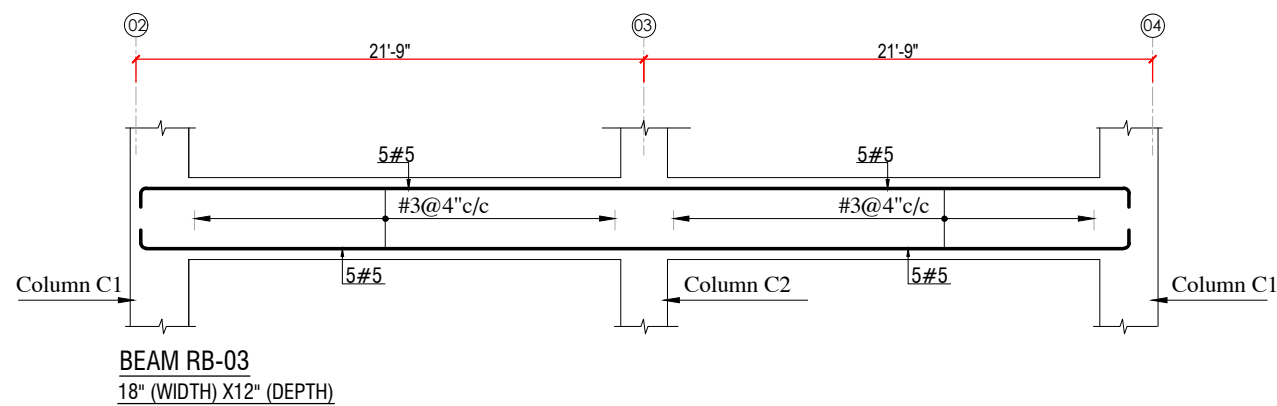


PLINTH LEVEL PLAN

PROJECT	ENTRANCE GATE (AIR UNIVERSITY)	SCALE	1/8" = 1'-0"
TITLE	FOUNDATION & PLINTH PLANS	DATE	JULY-2026
ADDRESS	KORANGI CREEK KARACHI	DRAWN BY:	ENGR. MUSSAIB
		DESIGN BY:	ENGR. MUSSAIB
		DRG. NO.	S-01



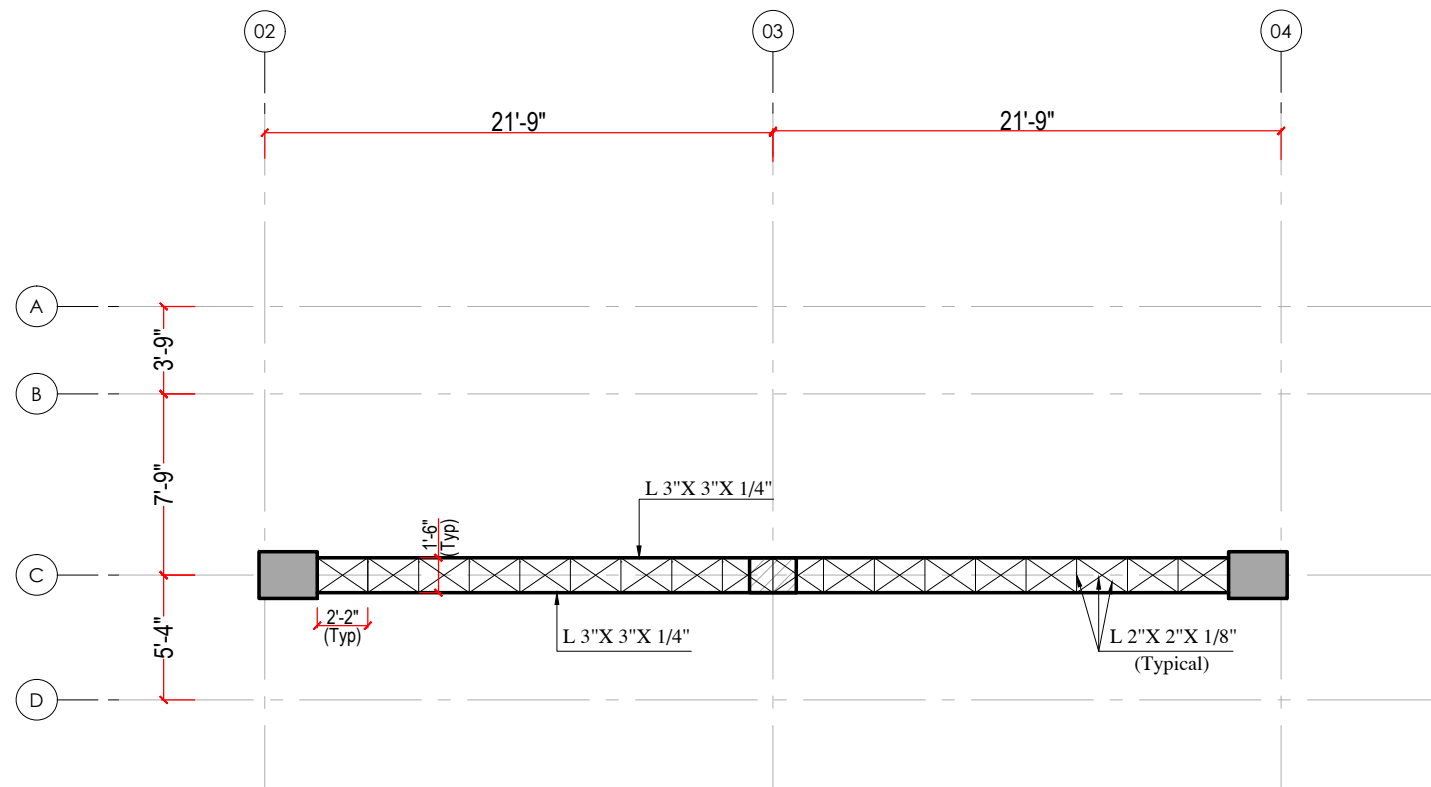
ROOF LEVEL PLAN



SLAB SCHEDULE

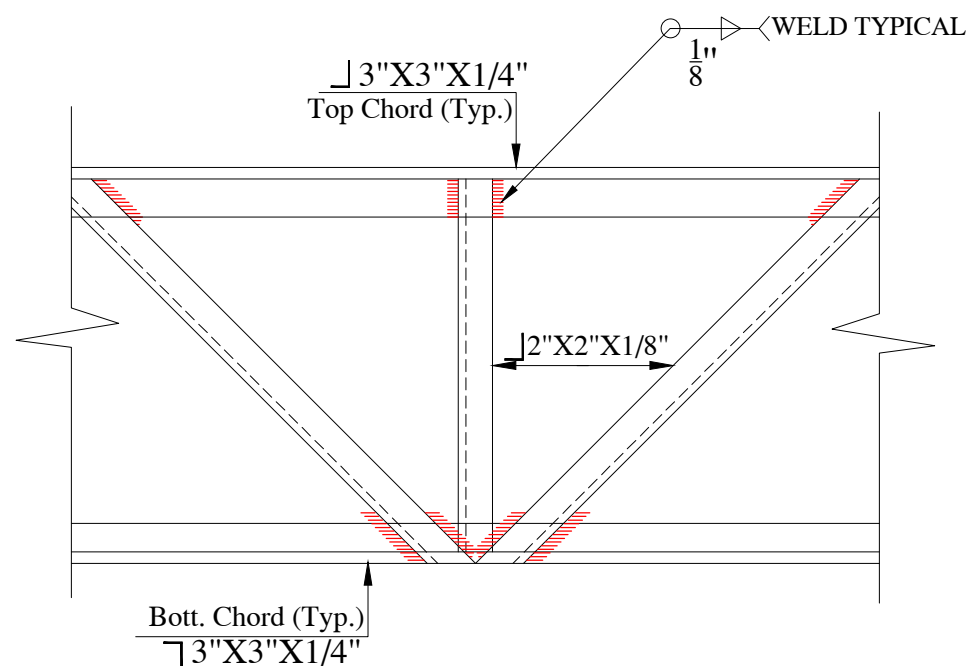
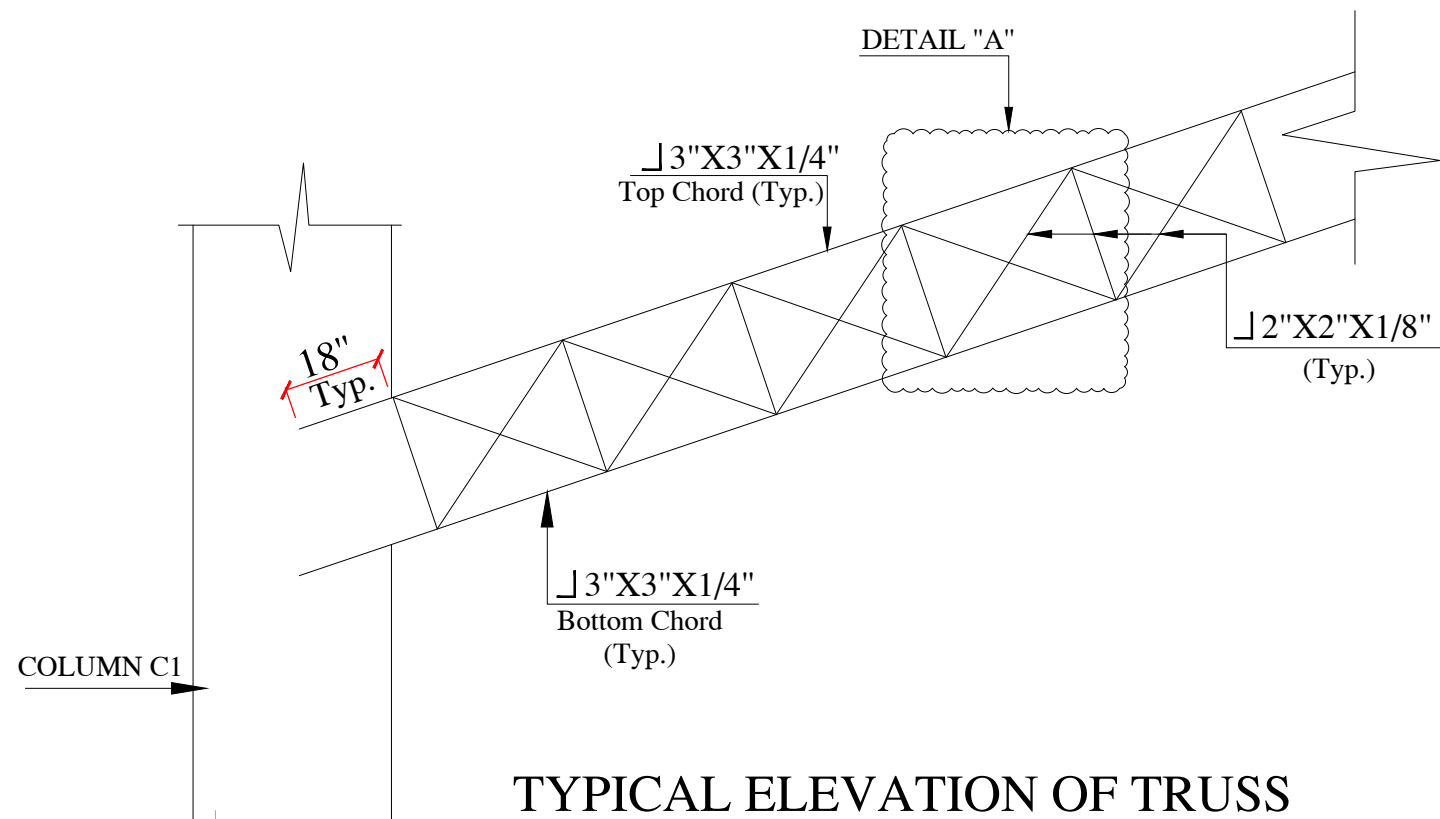
MARKS	THICKNESS	DESIGNED AS	REINFORCEMENT			
			BOTTOM		TOP @ SUPPORT	
			SHORT WAY	LONG WAY	CONT.EDGE.	DIS CONT. EDGE
S - 1	6"	TWO WAY	# 3 @ 8" c/c	# 3 @ 8" c/c	# 3 @ 5" c/c	# 3 @ 8" c/c

NOTE: TEMPERATURE / DISTRIBUTION REINFORCEMENT IS #3@10"C/C FOR 6" THICK SLAB.



STEEL TRUSS PLAN

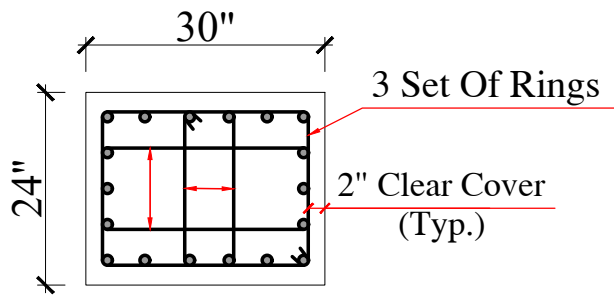
PROJECT	ENTRANCE GATE (AIR UNIVERSITY)	SCALE	1/8" = 1'-0"
TITLE	ROOF & TRUSS PLAN	DATE	JULY-2026
ADDRESS	KORANGI CREEK KARACHI	DRAWN BY:	ENGR. MUSSAIB
		DESIGN BY:	ENGR. MUSSAIB
		DRG. NO.	S-02



STRUCTURAL STEEL NOTES:

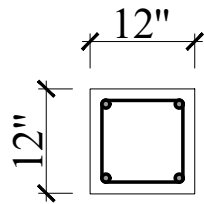
- 1- STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATION A-36.
- 2- WELDING SHALL BE DONE BY ELECTRIC SHIELDED ARC PROCESS USING E -60XX ELECTRODES. ALL WELDING SHALL BE DONE.
- 3- ALL STEEL SHALL BE PAINTED WITH TWO COATS OF EPOXY PRIMER (RED OXIDE) BY THE FABRICATOR TWO /THREE COATS
- 4- ALL FABRICATION PAINTING. ERECTION AND QUALITY CONTROL IS TO BE DONE IN ACCORDANCE WITH THE LATEST APPLICATION OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

PROJECT	ENTRANCE GATE (AIR UNIVERSITY)	SCALE	NTS
TITLE	TRUSS ELEVATION & DETAIL	DATE	JULY-2026
ADDRESS	KORANGI CREEK KARACHI	DRAWN BY:	ENGR. MUSSAIB
		DESIGN BY:	ENGR. MUSSAIB
		DRG. NO.	S-03



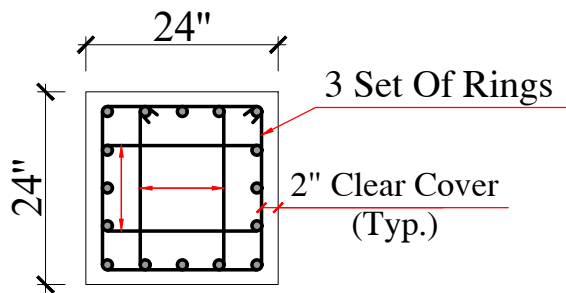
C1 (Gate Column)

● 18 # 6 Vertical Bars
3 Set of #3@4"c/c Rings



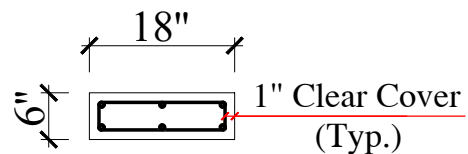
**C4
(Guard & Entry
Room Column)**

● 4 # 6 Vertical Bars
1 Set of #3@4"c/c Rings



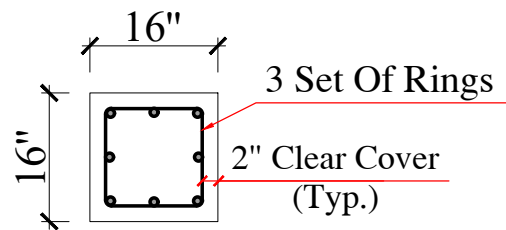
C2 (Gate Column)

● 16 # 6 Vertical Bars
3 Set of #3@4"c/c Rings



**C5
(Internal Room
Column)**

● 6 # 4 Vertical Bars
1 Set of #3@6"c/c Rings



**C3
(Guard & Entry
Room Column)**

● 8 # 6 Vertical Bars
1 Set of #3@4"c/c Rings

BEAM SCHEDULE

MARKS	SIZE		STEEL			STIRRUPS $\frac{3}{8}$ " $\varnothing$ "	REMARKS
	WIDTH	DEPTH	BOTTOM BAR	TOP BAR	EXTRA TOP AT SUPPORT		
PB-1	6"	24"	2#5	2#5	-	L/4 = 6"c/c MIDDLE = 12"c/c	PLINTH BEAM
PB-2	10"	24"	3#5	3#5	-	L/4 = 6"c/c MIDDLE = 12"c/c	PLINTH BEAM
PB-3	12"	24"	3#5	3#5	-	L/4 = 6"c/c MIDDLE = 12"c/c	PLINTH BEAM
RB-1	6"	24"	2#5	2#5	-	L/4 = 4"c/c MIDDLE = 8"c/c	ROOF BEAM
RB-2	18"	12"	5#5	5#5	-	#3@4"c/c	GATE TOP BEAM "See Elevation"

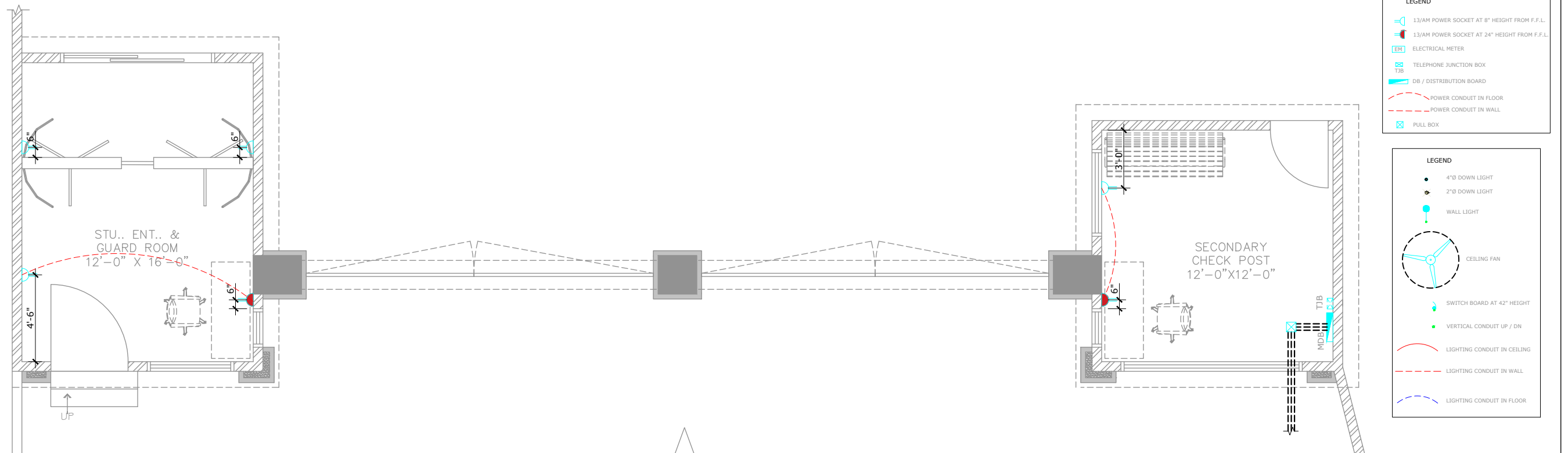
FOOTING SCHEDULE

MARKS	NOS.	SIZE		STEEL (BOTH WAYS)
		AREA(AxB)	THICKNESS "C"	
F 1	02	4'-0" x 4'-0"	15"	#4@6"C/C
F 1-A	02	5'-0" x 5'-0"	15"	#4@6"C/C
F 2	04	4'-6" x 5'-6"	15"	#4@6"C/C
F 3	02	5'-0" x 6'-6"	15"	#4@6"C/C
F 4	01	6'-0" x 6'-0"	15"	#4@6"C/C

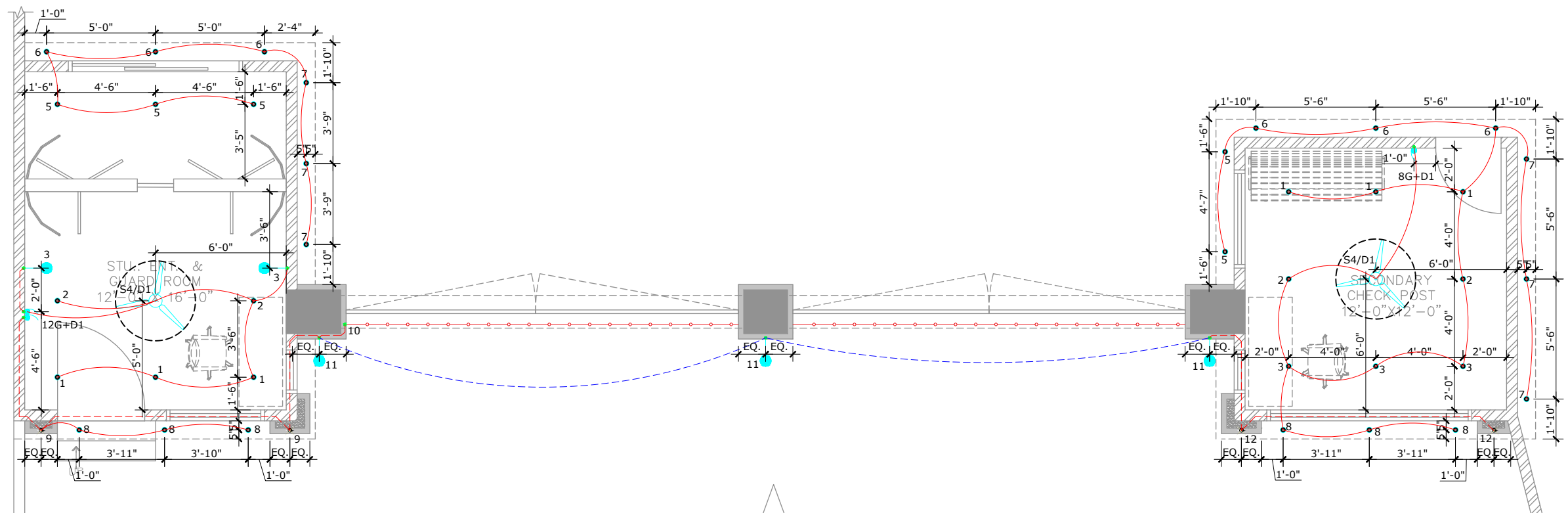
* STEEL MESH SIZE FOR ALL FOOTINGS TO BE 6" LESS THAN THE ACTUAL FOOTING SIZE.

* FOR COMBINED FOOTINGS (CF 1 & 2), USE #4@6"C/C TOP AND BOTTOM BOTH WAY.

PROJECT	ENTRANCE GATE (AIR UNIVERSITY)	SCALE	NTS
TITLE	SCHEDULES AND DETAILS	DATE	JULY-2026
ADDRESS	KORANGI CREEK KARACHI	DRAWN BY:	ENGR. MUSSAIB
		DESIGN BY:	ENGR. MUSSAIB
		DRG. NO.	S-04



POWER LAYOUT



LIGHTING LAYOUT



Naqshar Architects & Consultants

DESIGN PHASE :
PROPOSED DRAWING

TITLE SHEET :
ELECTRICAL LAYOUT

CLIENT NAME :
AIR UNIVERSITY

CLIENT ID :
NQ-H-172

ADDRESS
AIR UNIVERSITY KORANGI CREEK
CAMPUS, KARACHI

NO.	DISCRIPTION	DATE
01	ISSUED FOR REVIEW	24-07-2026
-	-	-
-	-	-

SHEET NO.
EL-001

SCALE: NTS.