



"PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"



EXTERNAL DEVELOPMENT MOUNMENT TENDER DRAWINGS APRIL, 2022

DESIGN BY



NEW VISION ENGINEERING CONSULTANT

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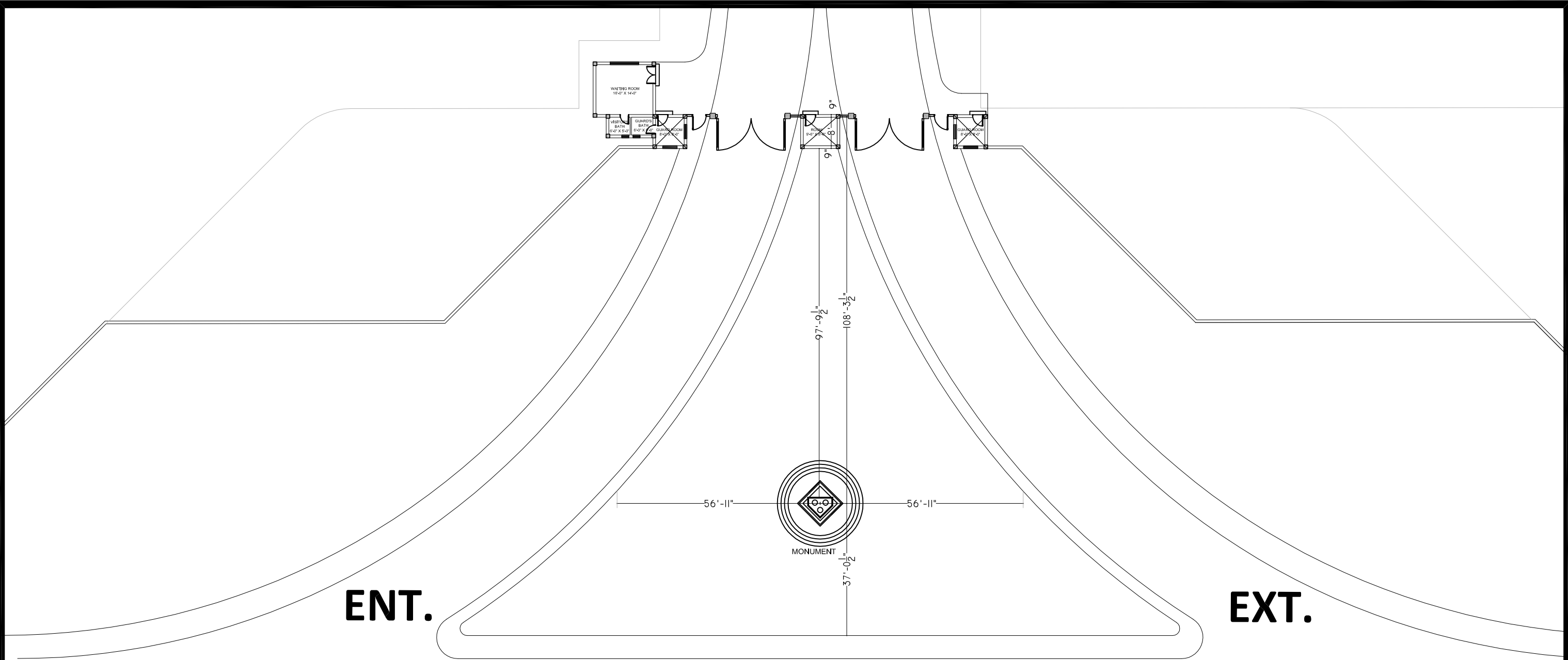
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ARCHITECTURE



ADDITION & REVISION						
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PROJECT:	"PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"	
TITLE:	PLAN	
CAD filename:		

CLIENT:

SHAIKH AYAZ UNIVERSITY SHIKARPUR

DESIGNED BY: AR.SALMAN	APPROVED BY:	DATE : MARCH, 2022
DRAWN BY: RIZWAN	JOB NO.	SCALE: N.T.S
DRG. NO.		

GA-01

MONUMENT

LIST OF DRAWINGS		
S.NO.	DRAWING TITLE	DRG. NO
ARCHITECTURE DRAWINGS		
1	LIST OF DRAWING	LS-00
2	MOUNMENT PLAN AND ELEVATION	MN-01

ADDITION & REVISION						PROJECT:		CLIENT:		
						"PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"		SHAIKH AYAZ UNIVERSITY SHIKARPUR		
						TITLE:		DESIGNED BY: AR.SALMAN	APPROVED BY:	DATE : FEB, 2022
						LIST OF DRAWINGS		DRAWN BY: RIZWAN	JOB NO.	SCALE: N.T,S
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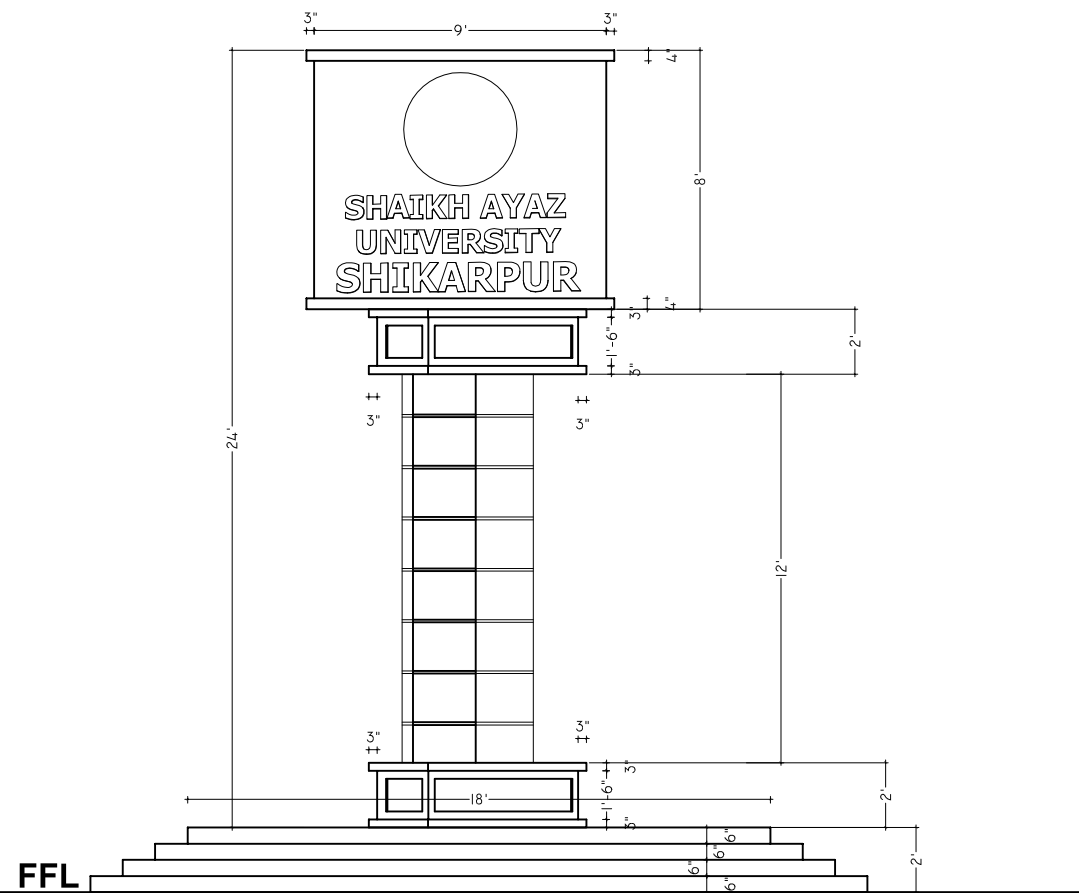
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3D VIEW

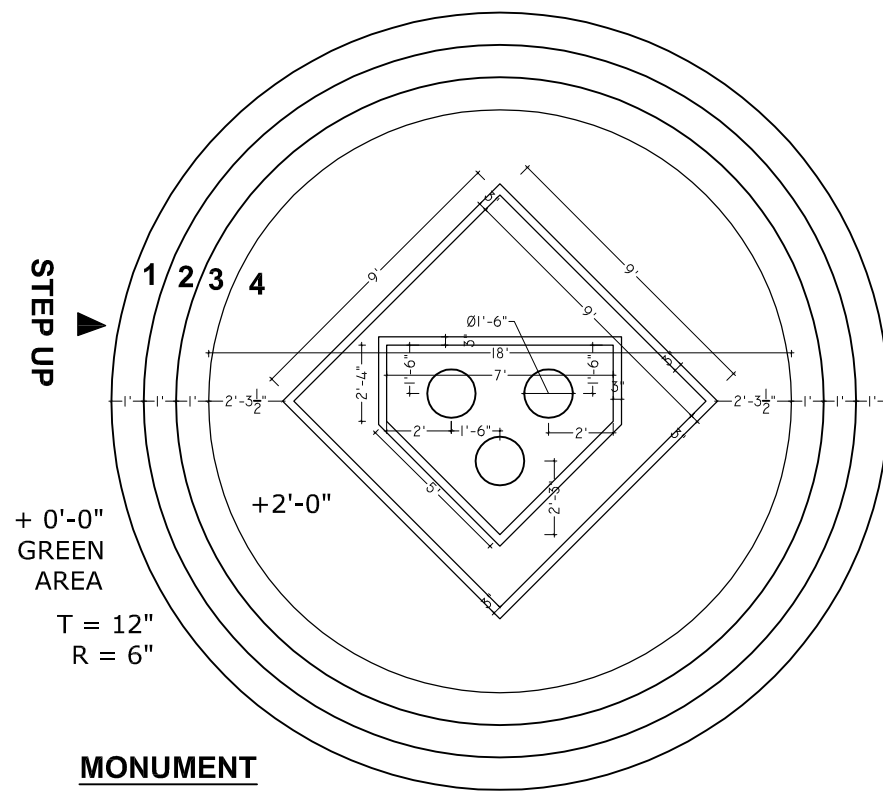


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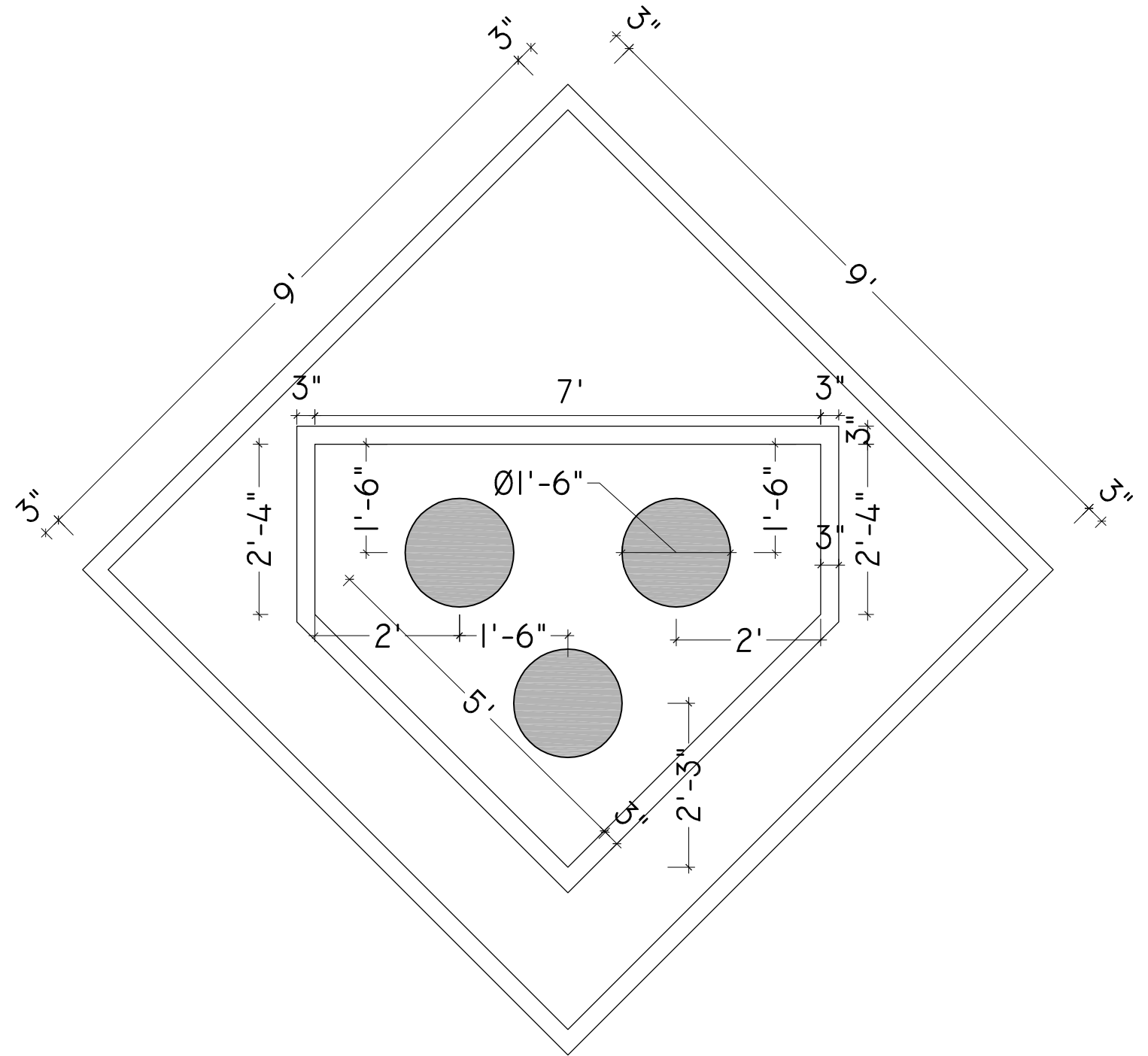
MONUMENT ARCHITECTURE



**MONUMENT
FRONT ELEVATION**



**MONUMENT
PLAN**



**PEDESTAL AND MONUMENT PLAN
BLOW UP**

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PROJECT:

"PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"

CLIENT:

SHAIKH AYAZ UNIVERSITY SHIKARPUR

TITLE:

MOUNMENT PLAN AND ELEVATION

DESIGNED BY:

AR.SALMAN

APPROVED BY:

DATE :

MARCH, 2022

DRAWN BY:

RIZWAN

JOB NO.

SCALE:

N,T,S

CAD filename:

DRG. NO.

MN-01

MONUMENT STRUCTURE

STRUCTURAL NOTES

GENERAL TECHNICAL NOTES

1. Figured dimensions are to be followed.
 2. Class "A" kiln burnt brick with minimum crushing strength of 2000 PSI should be used & joint at end should be sloppy, Vertical toothed joint at corners are prohibited.
 3. A steel G-60 deformed steel should be used in beams footing slabs and water retaining structures, in columns, for all diameters.
 4. All steel should be checked for its quality and placement DETAIL as shown in drawings.
 5. Extra care is required for proper placement of top reinforcement at support sections and cantilevers.
 6. Dotted bars designate top reinforcement.
 7. Provide L- shaped end hooks for all bars at discontinuous ends in footings, walls, beams and slabs as shown in drawings.
 8. Lap length should be followed As except specified:-
 - (a) 1" $\varnothing$ = 60"
 - (b) 3/4" $\varnothing$ = 45"
 - (c) 5/8" $\varnothing$ = 36"
 - (d) 1/2" $\varnothing$ = 30"
 - (e) 3/8" $\varnothing$ = 23"
 09. Provide 3/8" dia at 12" c/c as distribution steel if not shown in drawings.
 10. Minimum concrete cover.
 - a) Footing = 2"
 - b) Slabs = 3/4"
 - c) Beams = 1 1/2"
 - d) Columns = 1 1/2"
 - e) Water tank and retaining wall i- Water/earth face or exposed to weather = 2"
 - ii- Other faces = 1"
 11. All footing should be taken below the original Ground Level to achieve the minimum depth as shown in drawings. Footing should not be placed on uncompacted fill area.
 12. All drawings should be read in conjunction with Architectural Drawings.
 13. Contractor will co-ordinate all drawings such as architectural, structural, electrical, mechanical, water supply, drainage etc: before execution of work.
 14. Standard ACI 318, Astm C 33 and Astm A-615 use for structural concrete
 15. Fine modulus of fine aggregate varies from 2- 3.5mm
For concrete use 2.9- 3.2mm
For plaster use 2.2- 3.6mm
- QUALITY OF CONCRETE
1. FOOTINGS & RETAINING WALLS.
Minimum concrete compressive strength for 6"x12" cylinder to be 3000 psi at 28 days age. Concrete Nominal Mix 1:2:4 or more rich to provide specified strength (Equivalent 6"x6"x6" cube strength 3750 psi)

2. COLUMNS.

Minimum concrete compressive strength for 6"x12" cylinder to be 4000 psi at 28 days age. Concrete Nominal Mix to be 1:1½:3 or more rich to provide specified strength

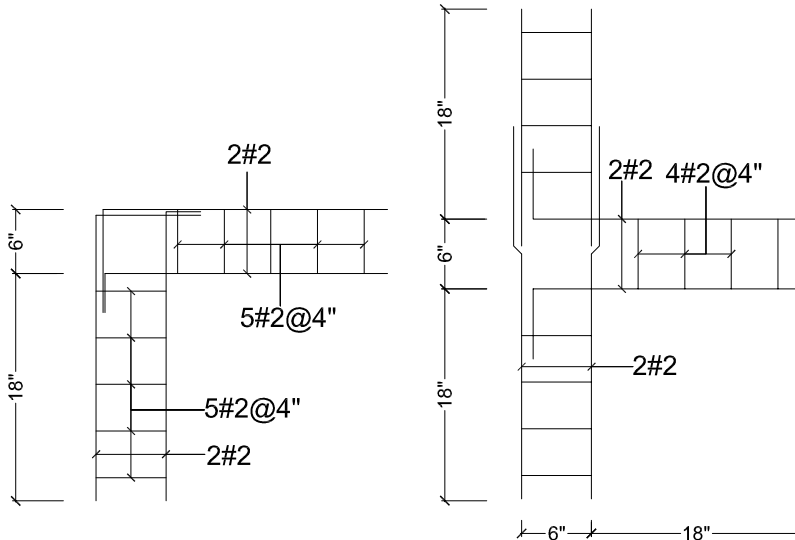
3. BEAMS, RIBS & SLABS.

Minimum concrete compressive strength for 6"x12" cylinder to be 3000 psi at 28 days age. Concrete Nominal Mix to be 1:2:4 or more rich to provide specified strength (Equivalent 6"x6"x6" cube strength 3750 psi)

4. Use of plasticizers recommended to reduce the water cement ratio and increase workability of concrete.
5. All concrete mixes to be used, should be got designed & approved before execution of work.
6. Quality, size and gradation of aggregates (fine & course) as used during the mix design, should be strictly adhered with.
7. The Design is in accordance with Seismic Zone 2A.

NOTES

1. ALL LAYOUT DIMENSIONS AND F.FLOOR LEVELS TO BE AS PER ARCH DRAWING.
2. PROVIDE PLINTH BEAM PB AT PLINTH LEVEL, WALL BEAMS AT SLAB LEVEL.
3. PROVIDE #2 DOUBLE-LEG TIE BARS AT 12" CENTRES AT COMMON JOINT BETWEEN WALLS AND COLUMNS. THESE BARS SHOULD PASS INTO WALLS ON EACH SIDE OF COLUMNS.



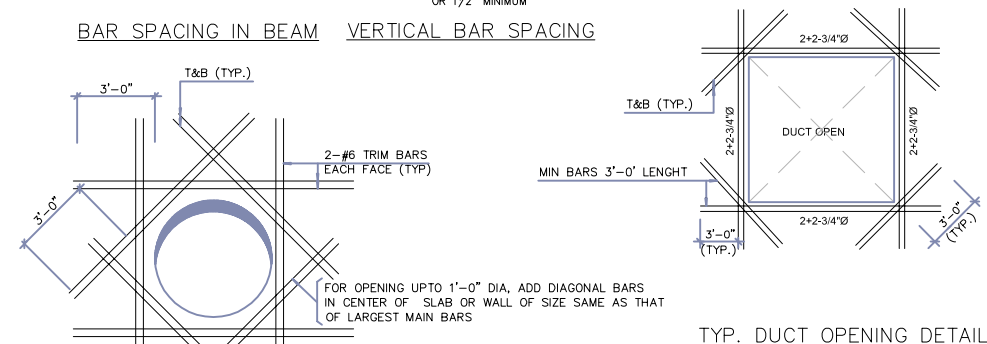
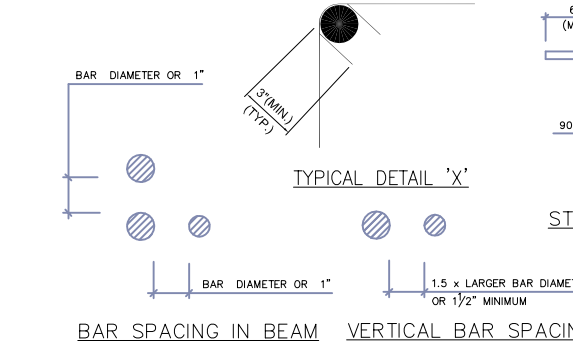
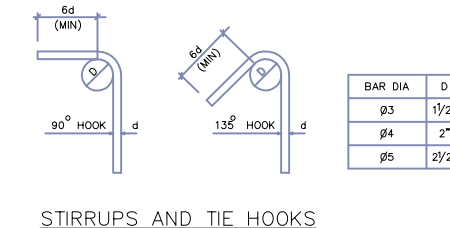
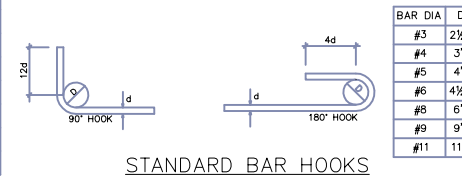
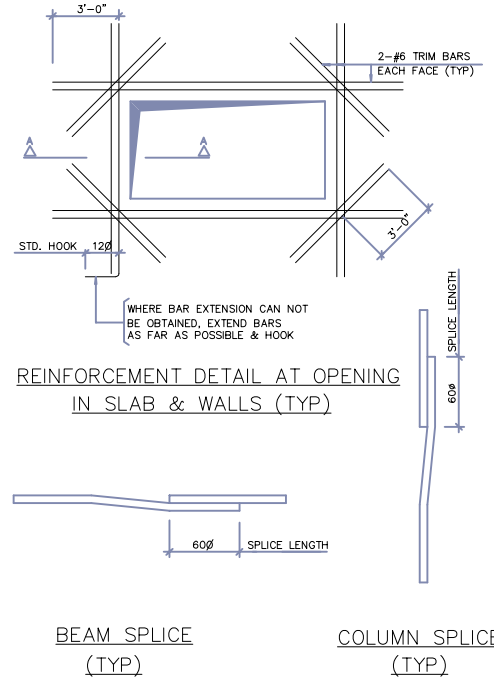
PLAN OF BRICK WALL TIE FOR CORNER JOINT

PLAN OF BRICK WALL TIE FOR T- JOINT

REINFORCING STEEL

REINFORCING STEEL $f_y = 60,000$ psi			
BAR NO.	BAR DIA (IN.)	DEVELOPMENT LENGTH (INCH) IN TENSION	
		$f_c = 3000$ psi	$f_c = 4000$ psi
#3	0.375	17"	15"
#4	0.500	22"	19"
#5	0.625	28"	24"
#6	0.750	33"	29"
#7	0.875	46"	42"
#8	1.000	55"	48"
BAR NO.	BAR DIA (IN.)	DEVELOPMENT LENGTH (INCH) IN COMPRESSION	
		$f_c = 3000$ psi	$f_c = 4000$ psi
#3	0.375	9"	8"
#4	0.500	11"	10"
#5	0.625	14"	12"
#6	0.750	17"	15"
#7	0.875	20"	17"
#8	1.000	22"	19"
BAR NO.	BAR DIA (IN.)	SPLICE LENGTH (INCH) IN TENSION	
		$f_c = 3000$ psi	$f_c = 4000$ psi
#3	0.375	25"	20"
#4	0.500	29"	25"
#5	0.625	37"	32"
#6	0.750	43"	38"
#7	0.875	63"	55"
#8	1.000	72"	63"

REINFORCING STEEL $f_y = 40,000$ psi			
BAR NO.	BAR DIA (IN.)	DEVELOPMENT LENGTH (INCH) IN TENSION	
		$f_c = 3000$ psi	$f_c = 4000$ psi
#3	0.375	12"	12"
#4	0.500	16"	13"
#5	0.625	19"	17"
#6	0.750	23"	20"
#7	0.875	33"	28"
#8	1.000	37"	32"



NOTES

MAXIMUM DIAMETER OF SLEEVE IS 1'-0", FOR TRIM BAND
AROUND LARGE SLEEVE REFER TO OTHER DETAIL.

REINFORCEMENT AROUND SLEEVE IN SLAB & WALLS (TYP

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PROJEC

**"PROVISION OF MISSING FACILITIES FOR THE
SHAIKH AYAZ UNIVERSITY SHIKARPUR"**

TITLE:

GENERAL NOTE

CAD filename

CLIENT

SHAIKH AYAZ UNIVERSITY SHIKARPUR

DESIGNED BY:

APPROVED BY:

DATE: MARCH, 2022

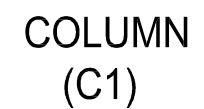
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JOB NO. _____

SCALE:

DRG. NO.

-01



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PROJECT:

**T "PROVISION OF MISSING FACILITIES FOR THE
e SHAIKH AYAZ UNIVERSITY SHIKARPUR"**

TITLE:

COLUMN LAYOUT

CAD filename:

CLIENT:

SHAIKH AYAZ UNIVERSITY SHIKARPUR

DESIGNED BY:

APPROVED BY:

DATE:	MARCH, 2022
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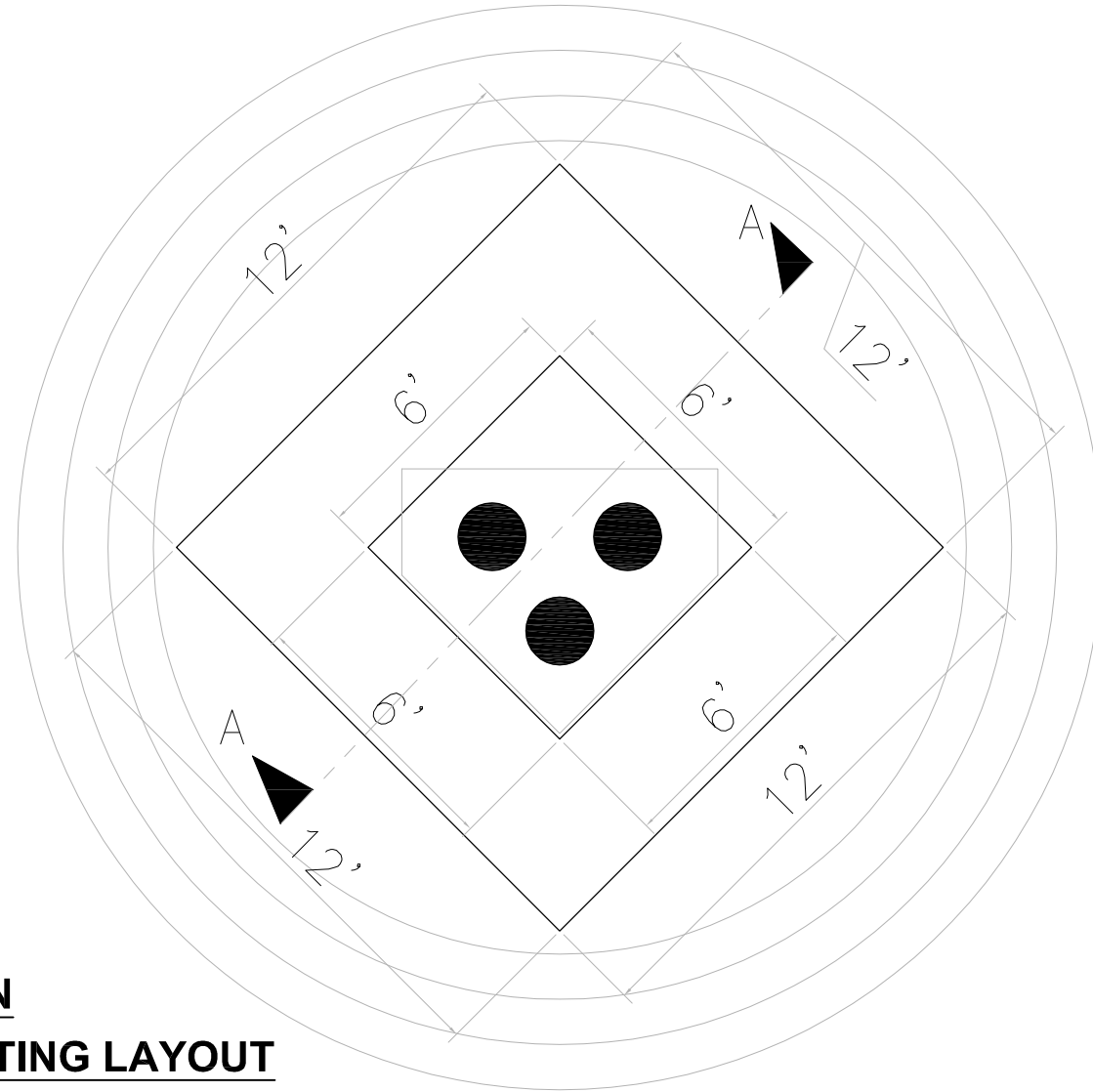
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RIZWAN

JOB NO.

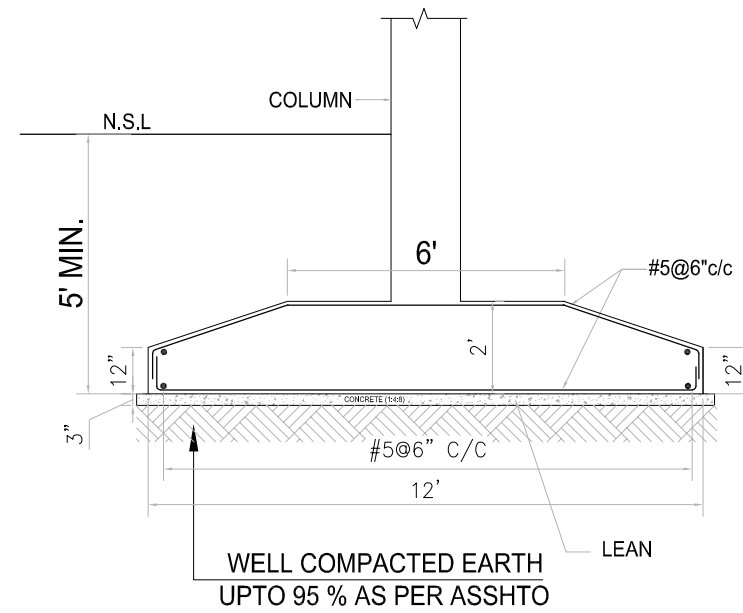
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DRG. NO.

MST-01



PLAN
FOOTING LAYOUT



SECTION A-A

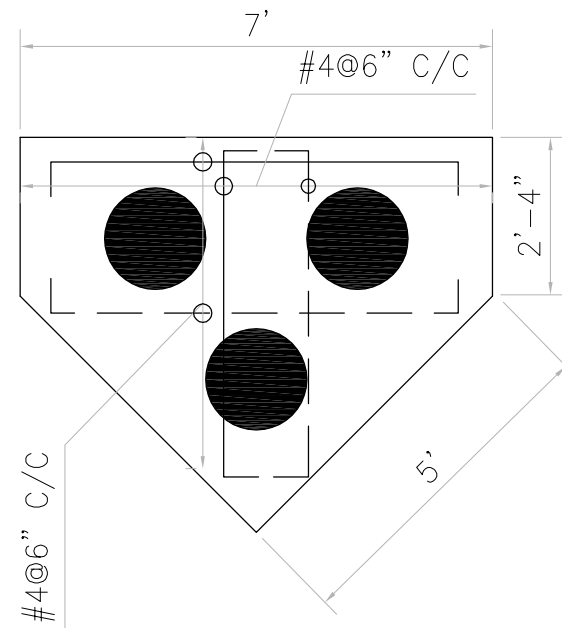
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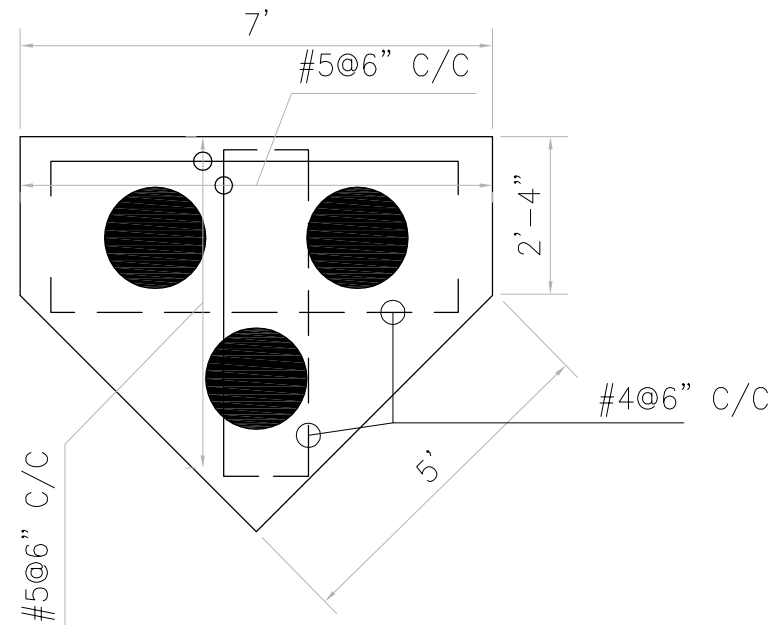
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T

PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAikh AYAZ UNIVERSITY SHIKARPUR"		CLIENT: SHAikh AYAZ UNIVERSITY SHIKARPUR	
TITLE: FOOTING DETAIL	DESIGNED BY: ENG. ASHAN	APPROVED BY:	DATE : MARCH, 2022
	DRAWN BY: RIZWAN	JOB NO.	SCALE: N,T,S
	CAD filename: DRG. NO. MST-02		



BOTTOM PEDESTAL REINFORCEMENT DETAIL



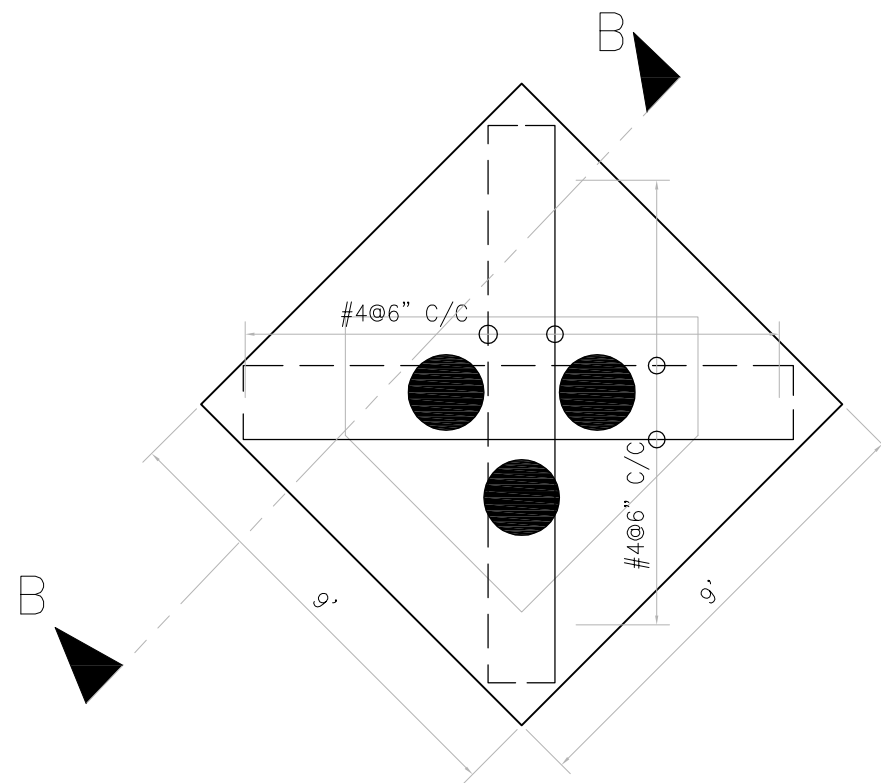
TOP PEDESTAL REINFORCEMENT DETAIL

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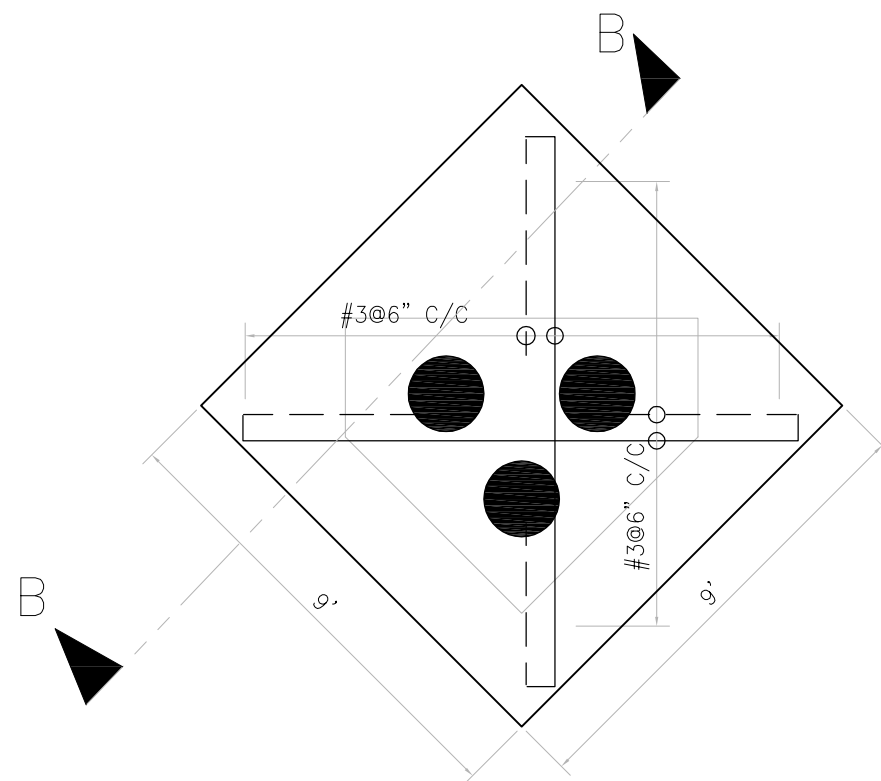


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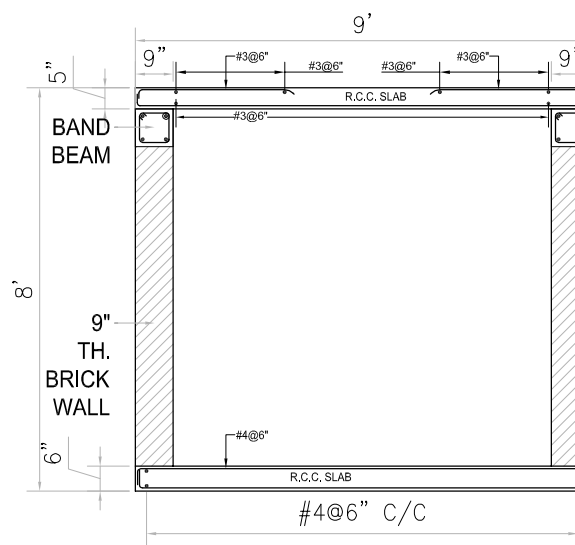
PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"		CLIENT: SHAIKH AYAZ UNIVERSITY SHIKARPUR	
TITLE: PEDESTAL REINFORCEMENT DETAIL	DESIGNED BY: ENG. ASHAN		APPROVED BY:
	DRAWN BY: RIZWAN		JOB NO.
CAD filename:		DRG. NO.	
		DATE : MARCH, 2022	
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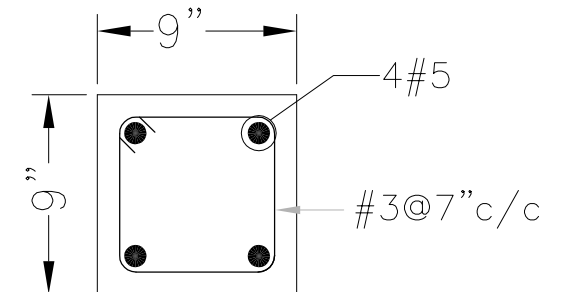
BOTTOM SLAB DETAIL OF MONUMENT
SLAB THICKNESS 6"



TOP SLAB DETAIL OF MONUMENT
SLAB THICKNESS 5"



SECTION B-B
MONUMENT SECTION



BAND BEAM SECTION

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CLIENT:

SHAIKH AYAZ UNIVERSITY SHIKARPUR

DESIGNED BY:

ENG. ASHAN

APPROVED BY:

DATE :

MARCH, 2022

TITLE:

MONUMENT REINFORCEMENT
DETAIL

DRAWN BY:

RIZWAN

JOB NO.

SCALE:

N,T,S

CAD filename:

DRG. NO.

MST-04



"PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"



**EXTERNAL DEVELOPMENT
MAIN GATE
TENDER DRAWINGS
APRIL, 2022**

DESIGN BY



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MAIN GATE

LIST OF DRAWINGS		
S.NO.	DRAWING TITLE	DRG. NO
ARCHITECTURE DRAWINGS		
1	LIST OF DRAWING	LS-00
2	PLAN	GA-01
3	MAIN GATE PLAN AND ELEVATION	GA-02

ADDITION & REVISION						PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR" TITLE: LIST OF DRAWINGS CAD filename:	CLIENT: SHAIKH AYAZ UNIVERSITY SHIKARPUR		
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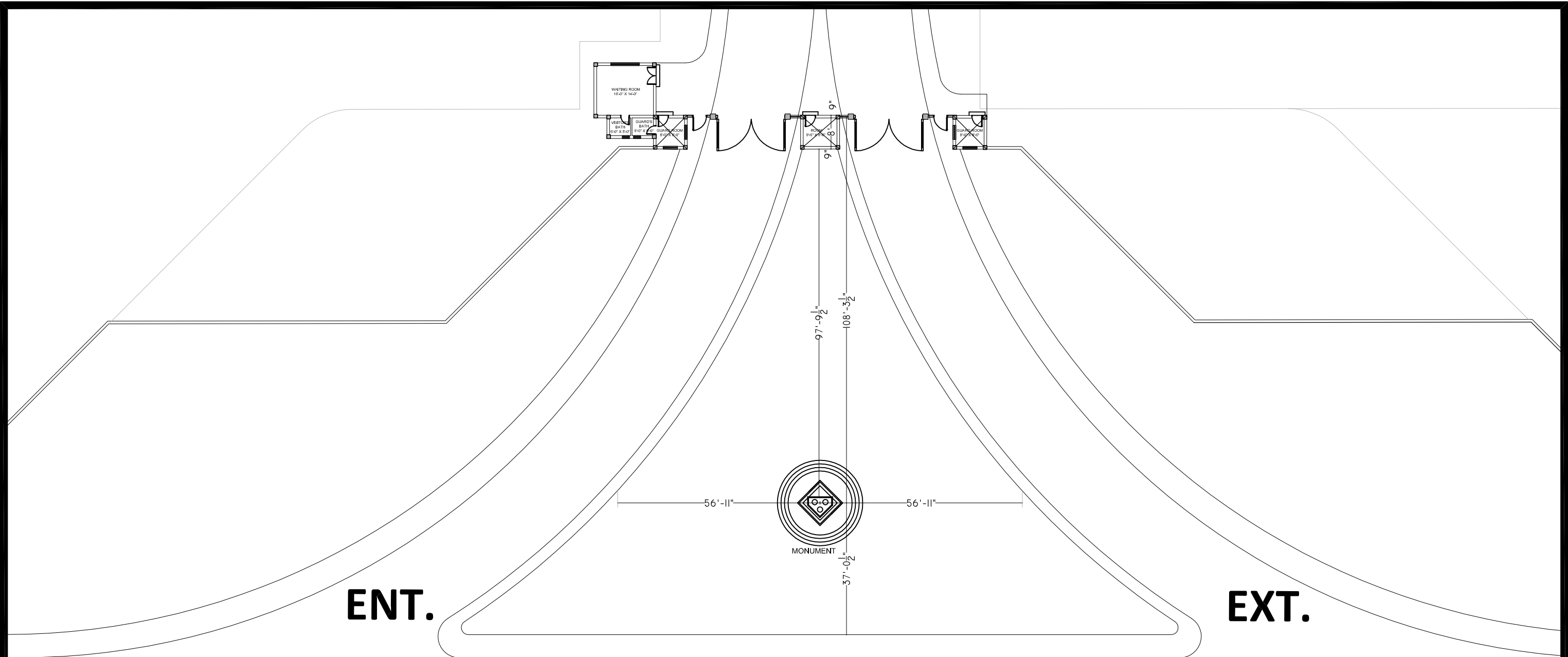
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MAIN GATE 3D VIEW



MAIN GATE 3D VIEW

ARCHITECTURE



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PROJECT:

**"PROVISION OF MISSING FACILITIES FOR THE
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TITLE:

PLAN

CAD filename:

CLIENT:

SHAIKH AYAZ UNIVERSITY SHIKARPUR

DESIGNED BY:
AR.SALMAN

APPROVED BY:

DATE :	MARCH, 2022
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DRAWN BY:
RIZWAN

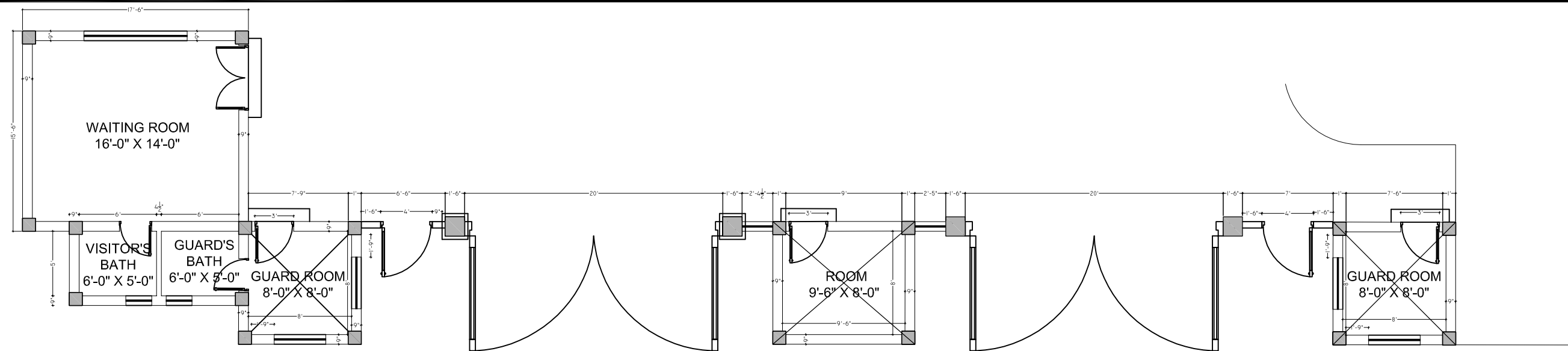
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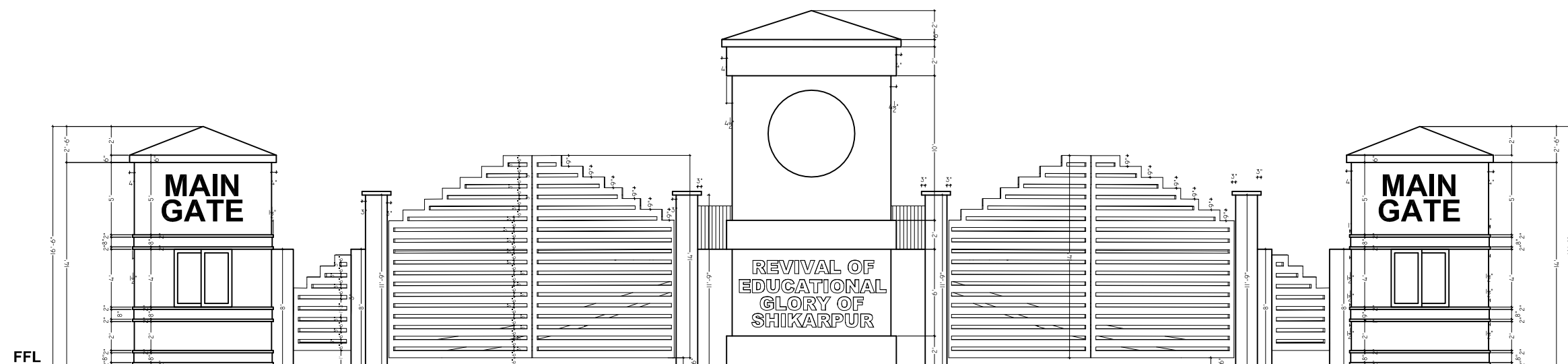
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GA-01



**SAU MAIN GATE
PLAN**



**SAU MAIN GATE
FRONT ELEVATION**

ADDITION & REVISION						
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TITLE: MAIN GATE PLAN AND ELEVATION	DESIGNED BY: AR.SALMAN		APPROVED BY:
	DRAWN BY: RIZWAN		JOB NO.
			DATE : MARCH, 2022
		SCALE: N,T,S	
CAD filename:		DRG. NO. GA-02	

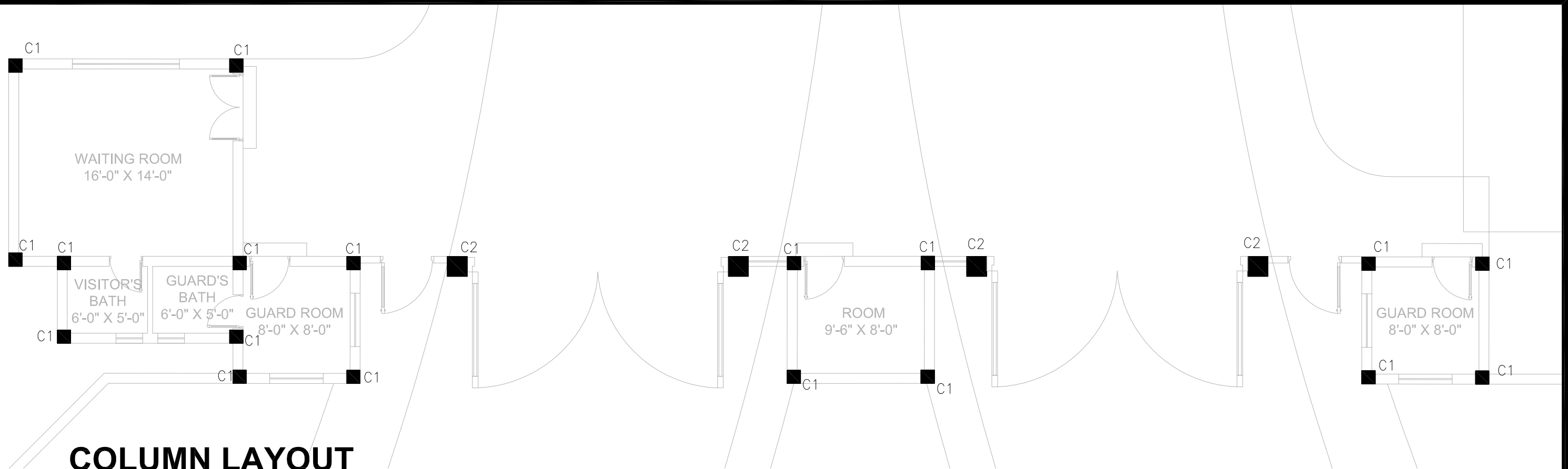
STRUCTURE

LIST OF DRAWINGS		
S.NO.	DRAWING TITLE	DRG. NO
ARCHITECTURE DRAWINGS		
1	LIST OF DRAWING	ST-00
2	GENERAL NOTES	G-01
3	COLUMN LAYOUT AND SECTION	ST-01
4	FOUNDATION LAYOUT AND SECTION	ST-02
5	PLINTH BEAM LAYOUT AND SECTION	ST-03
4	BEAM LAYOUT AND SECTION	ST-04
5	SLAB LAYOUT POSITIVE REINFORCEMENT DETAIL	ST-05
6	SLAB LAYOUT NEGATIVE REINFORCEMENT DETAIL	ST-06

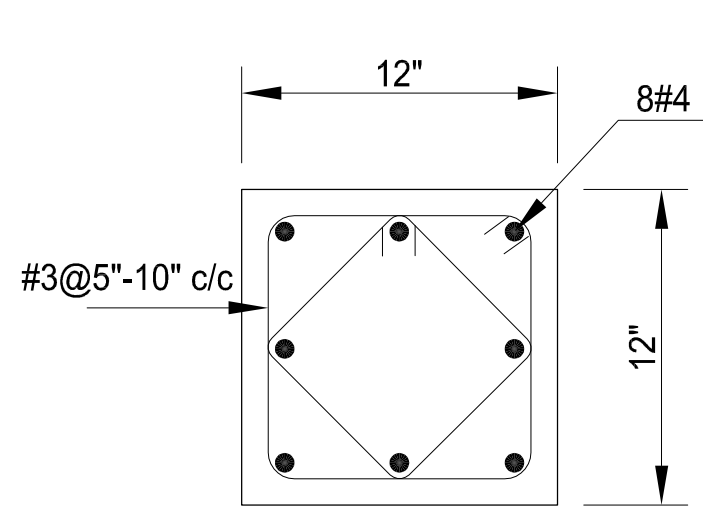
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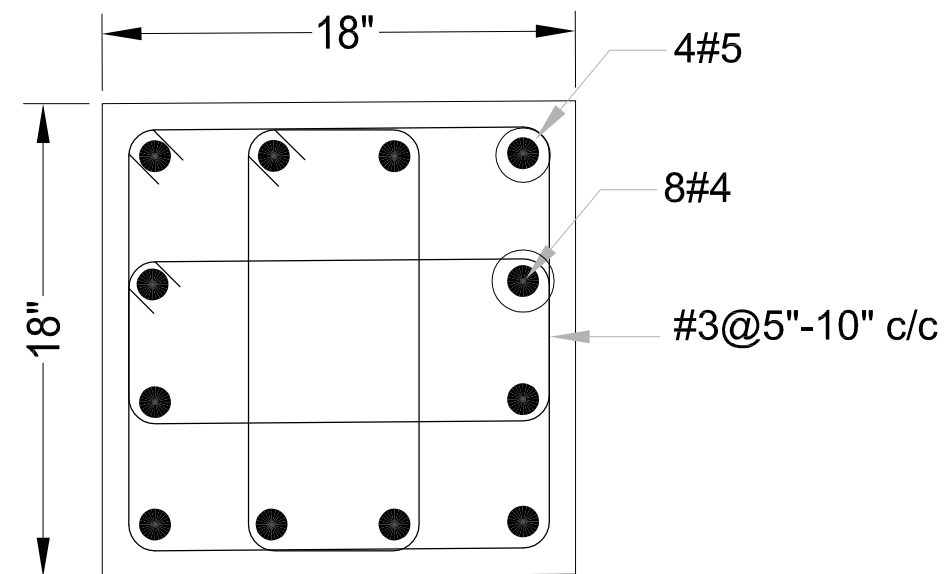
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COLUMN LAYOUT



COLUMN (C1)



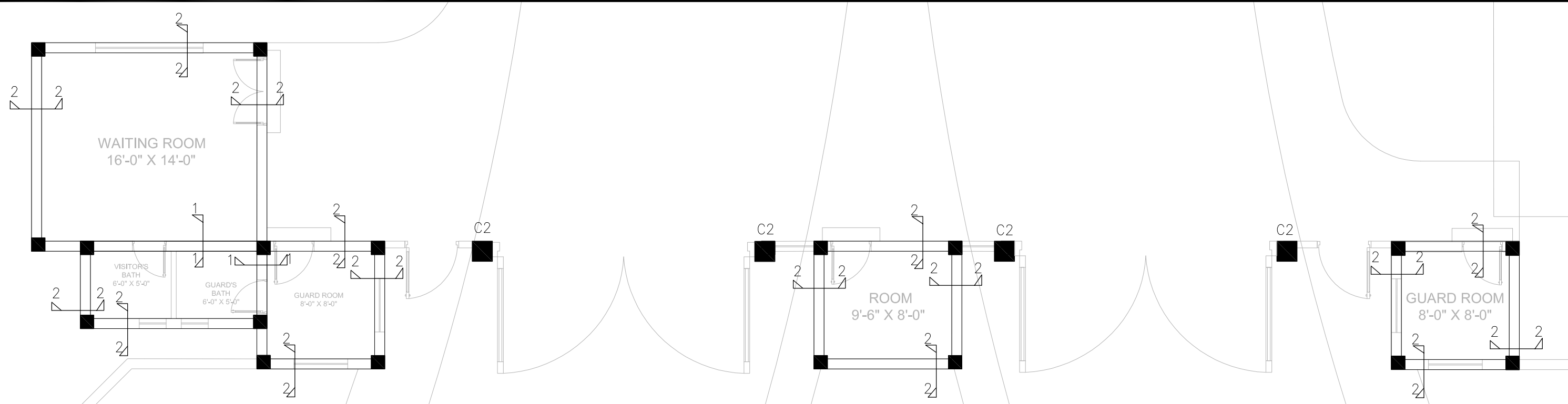
COLUMN (C2)

ADDITION & REVISION						
ADD.	REV.	NO.	DATE	DESCRIPTION	DES. BY	CHK. BY

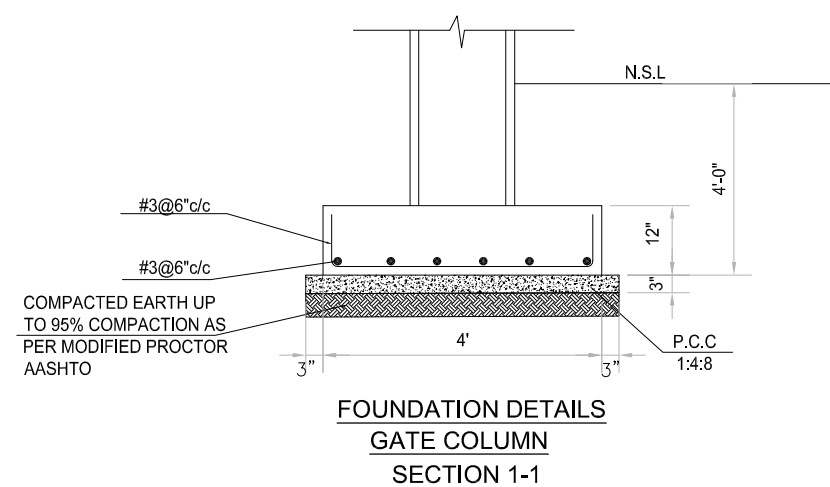
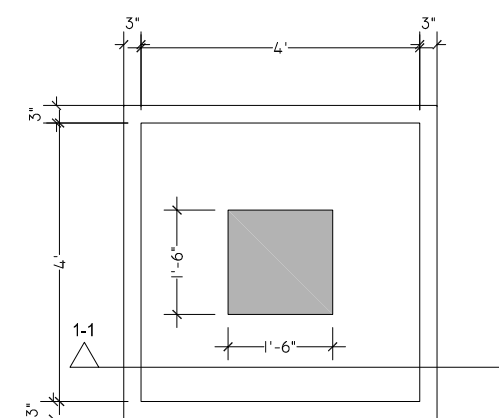
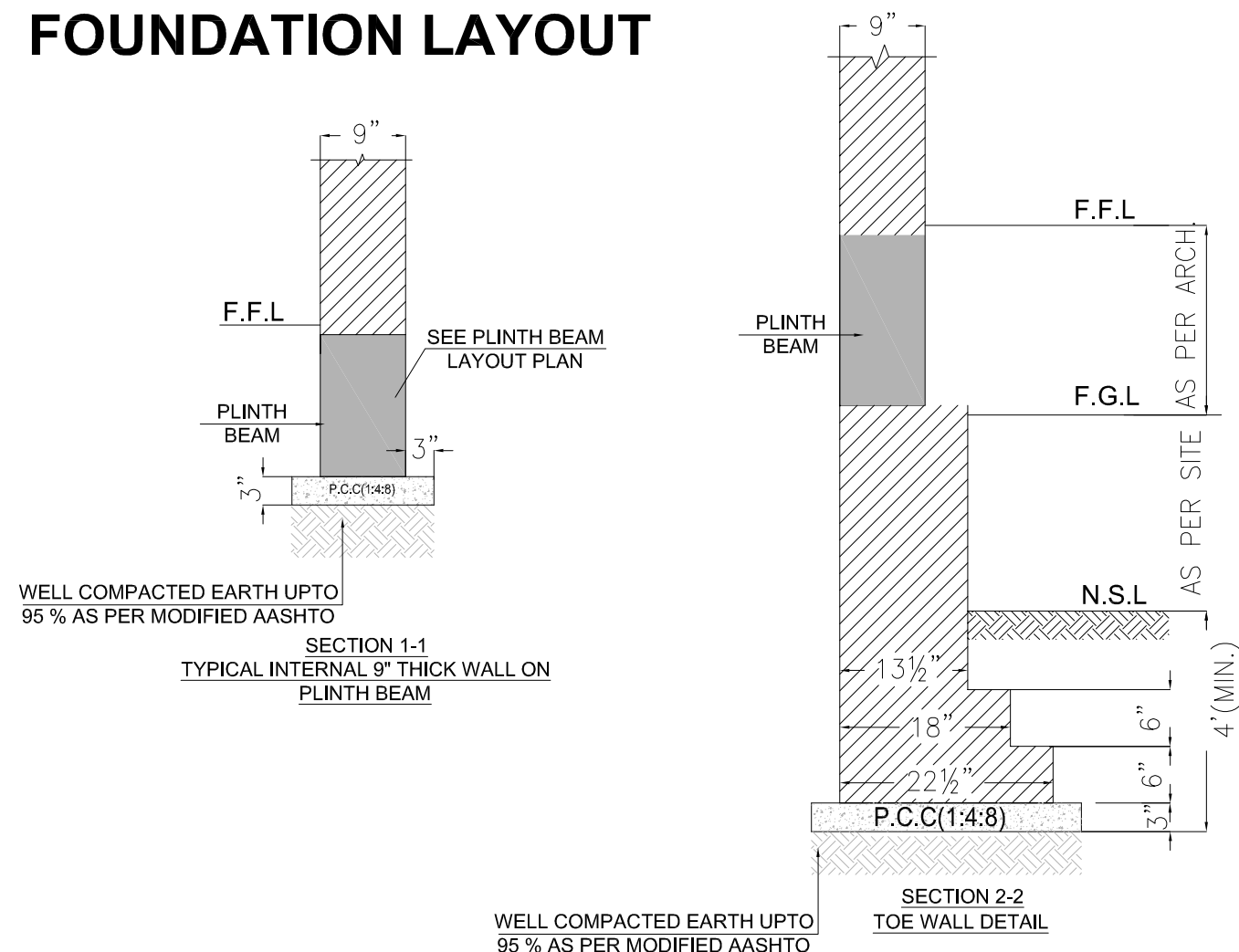


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PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"		CLIENT: SHAIKH AYAZ UNIVERSITY SHIKARPUR	
TITLE: COLUMN LAYOUT AND SECTION	DESIGNED BY: AR.SALMAN		APPROVED BY:
	DRAWN BY: RIZWAN		JOB NO.
CAD filename:		DRG. NO.	
		DATE : MARCH, 2022	
		SCALE: N.T.S	
		ST-01	



FOUNDATION LAYOUT

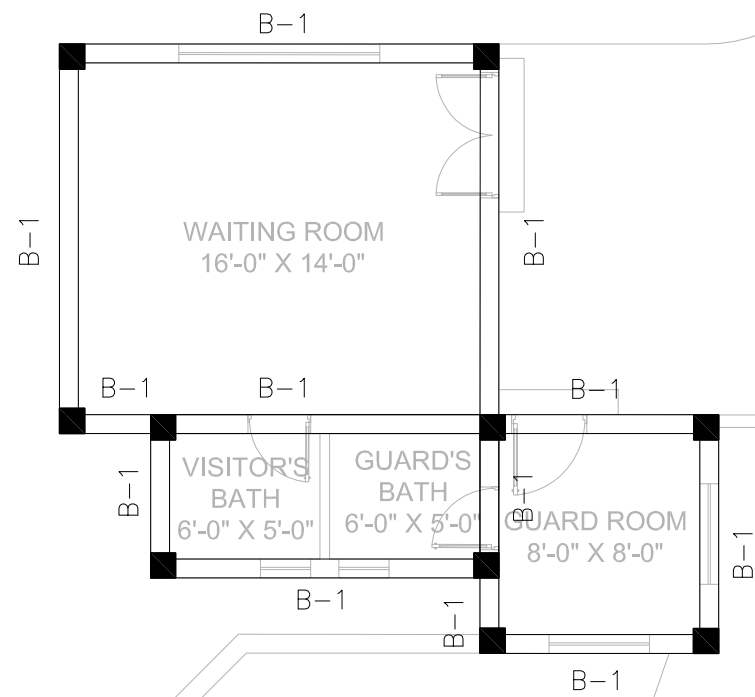


ADDITION & REVISION					
ADD.	REV.	NO.	DATE	DESCRIPTION	DES. BY
					CHK. BY
					APP. BY

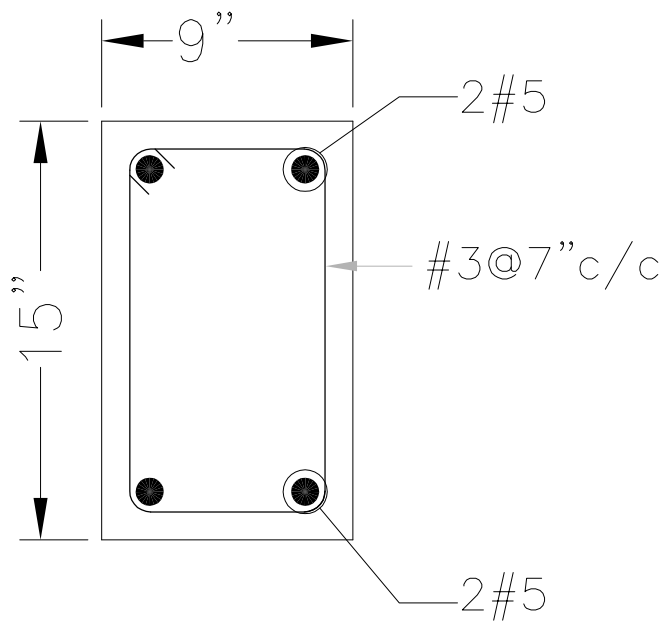
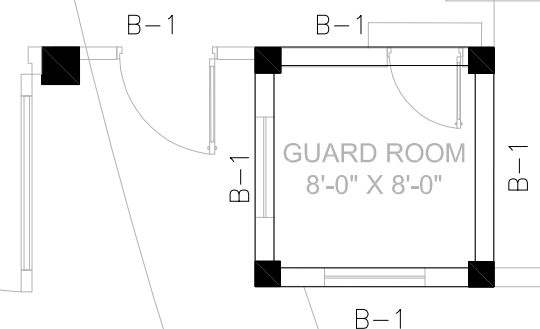
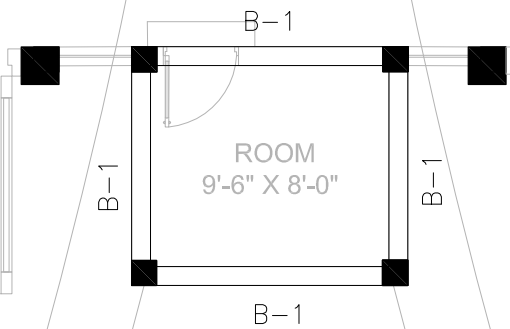


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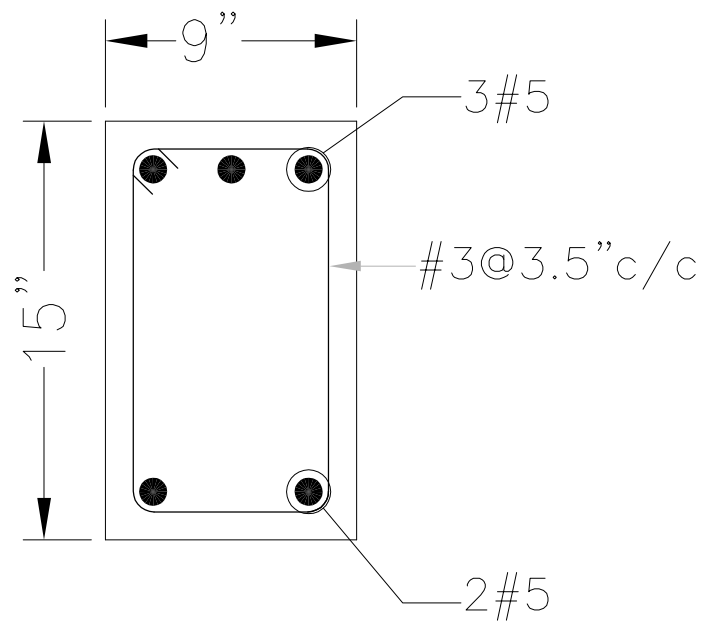
PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAikh AYAZ UNIVERSITY SHIKARPUR"		CLIENT: SHAikh AYAZ UNIVERSITY SHIKARPUR	
TITLE: FOUNDATION LAYOUT AND SECTION	DESIGNED BY: AR.SALMAN		APPROVED BY:
	DRAWN BY: RIZWAN		JOB NO.
			DATE : MARCH, 2022
		SCALE: N.T.S	
CAD filename:		DRG. NO. ST-02	



BEAM LAYOUT



MID



SUPP

**BEAM SECTION
B-1**

ADDITION & REVISION						
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY	



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T

PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"		CLIENT: SHAIKH AYAZ UNIVERSITY SHIKARPUR	
TITLE: BEAM LAYOUT AND SECTION	DESIGNED BY: AR.SALMAN	APPROVED BY:	DATE : MARCH, 2022
	DRAWN BY: RIZWAN	JOB NO.	SCALE: N,T,S
CAD filename:		DRG. NO. ST-04	

ST-05



 NEW VISION ENGINEERING CONSULTANT Head Office: Office No.B-6 Second Floor Masood Arcade IJP Road Islamabad Ph: +92-51-4848375, Fax: +92-51-4848375 Email: newvisionec@yahoo.com Regional Office: 287-A Street # 6, Cavalry Ground ,Lahore Ph: +92-42-37250130	PROJECT: "PROVISION OF MISSING FACILITIES FOR THE SHAIKH AYAZ UNIVERSITY SHIKARPUR"	CLIENT: SHAIKH AYAZ UNIVERSITY SHIKARPUR		
	TITLE: SLAB LAYOUT NEGATIVE REINFORCEMENT	DESIGNED BY: AR.SALMAN	APPROVED BY:	DATE : MARCH, 2022
		DRAWN BY: RIZWAN	JOB NO.	SCALE: N.T.S
	CAD filename:	DRG. NO. ST-06		