

CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

**ESTABLISHMENT OF WOMEN
SUB CAMPUS AT BAKHELA,
UNIVERSITY OF MALAKAND**

DRAWING

TITLE PAGE

PROJECT NO.
AEC-602/2022

DRAWING NO.

ARCHITECT

AR.BAQIR ALI

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

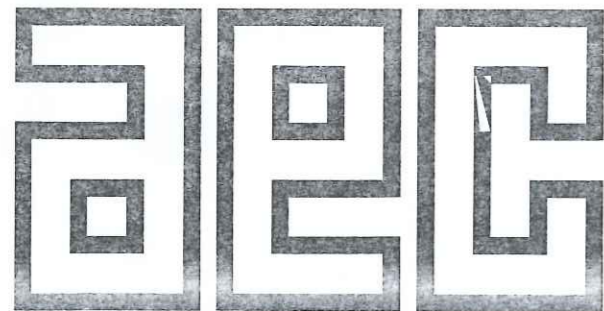
ASIM

SCALE

AS SHOWN

DATE

JULY 2024



ALLIED ENGINEERING CONSULTANTS (PVT.) LTD

ARCHITECTS.

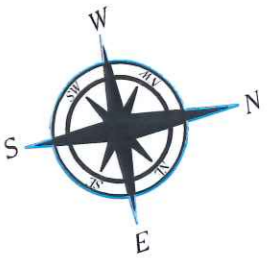
ENGINEERS .

PLANNERS .

19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752

REVISED MASTER PLAN: (40% ground coverage = 28 kanals (Existing = 16kanals & Proposed 12 kanal))

TOTAL PLOT AREA = 75.1 KANALS (Including lease land with in the boundary = 12.6 kanals)
 (62 kanal 10 marlas without lease land + 12.6 kanal lease land)



NO.	Description
A	PROPOSED ACADEMIC BLOCK
B	PROPOSED STUDENT HOSTEL
C	FACULTY HOSTEL (Future Extension)
D	ADMINISTRATION BLOCK (Future Extension)
E	STUDENT SERVICE CENTER (Future Extension)
01	EXISTING BLOCK 1
02	EXISTING BLOCK 2
03	EXISTING BLOCK 3
04	EXISTING BLOCK 4
05	PARKING



CLIENT	UNIVERSITY OF MALAKAND		
PROJECT NAME	ESTABLISHMENT OF WOMEN SUB CAMPUS AT BAKHELA, UNIVERSITY OF MALAKAND		
DISCIPLINE	MASTER PLAN	PROJECT NO.	AEC-602/2022
DESIGNED BY	AR. BAQIR ALI	CHECKED BY	MRS. SHARINE KHAN
DATE	AS SHOWN	DATE	July 2024
ALLIED ENGINEERING CONSULTANTS (PVT) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II, LAHORE PH: 3758433 / 3758752			

CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

**ESTABLISHMENT OF WOMEN
SUB CAMPUS AT BAKHELA,
UNIVERSITY OF MALAKAND**

DRAWING

**ACADEMIC BLOCK
ARCHITECTURAL DRAWINGS**

**PROJECT NO.
AEC-602/2022**

DRAWING NO.

ARCHITECT

AR.BAQIR ALI

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

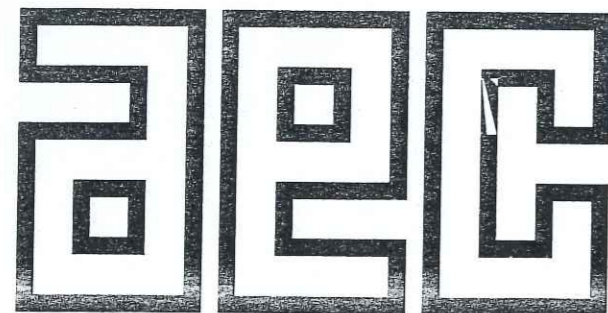
ASIM

SCALE

AS SHOWN

DATE

JULY 2024



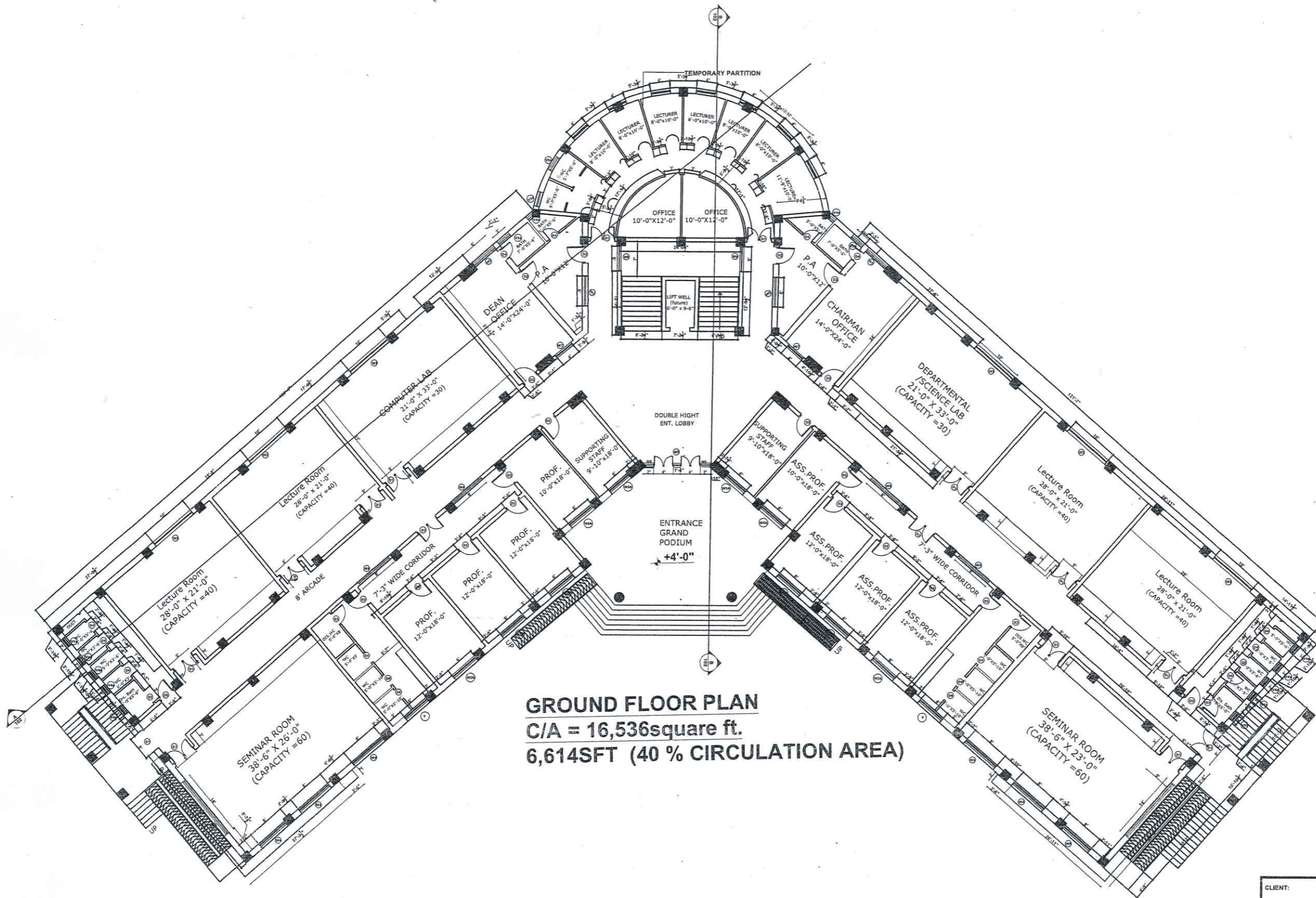
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD

ARCHITECTS.

ENGINEERS .

PLANNERS.

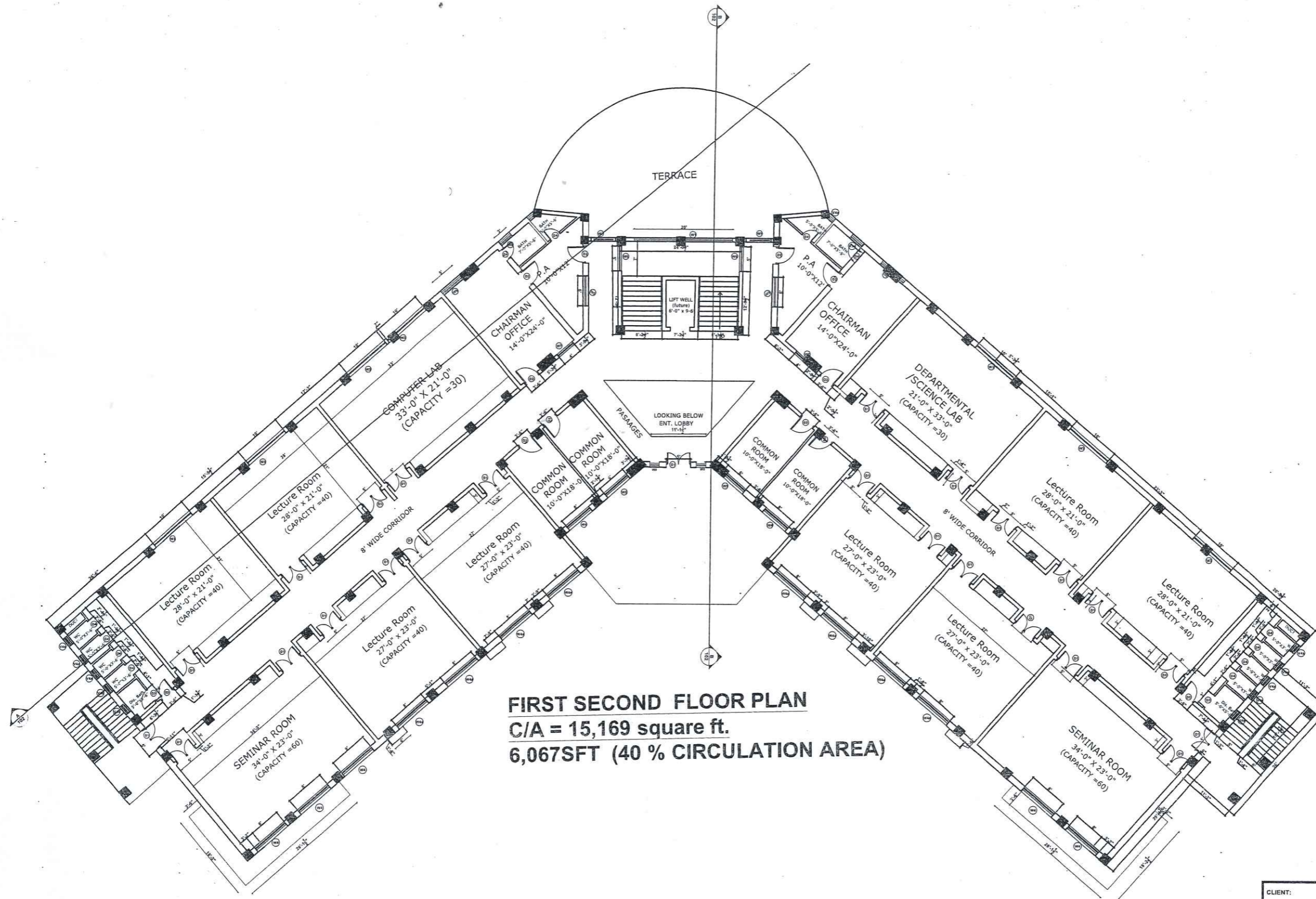
19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752



GROUND FLOOR PLAN
C/A = 16,536square ft.
6,614SFT (40 % CIRCULATION AREA)



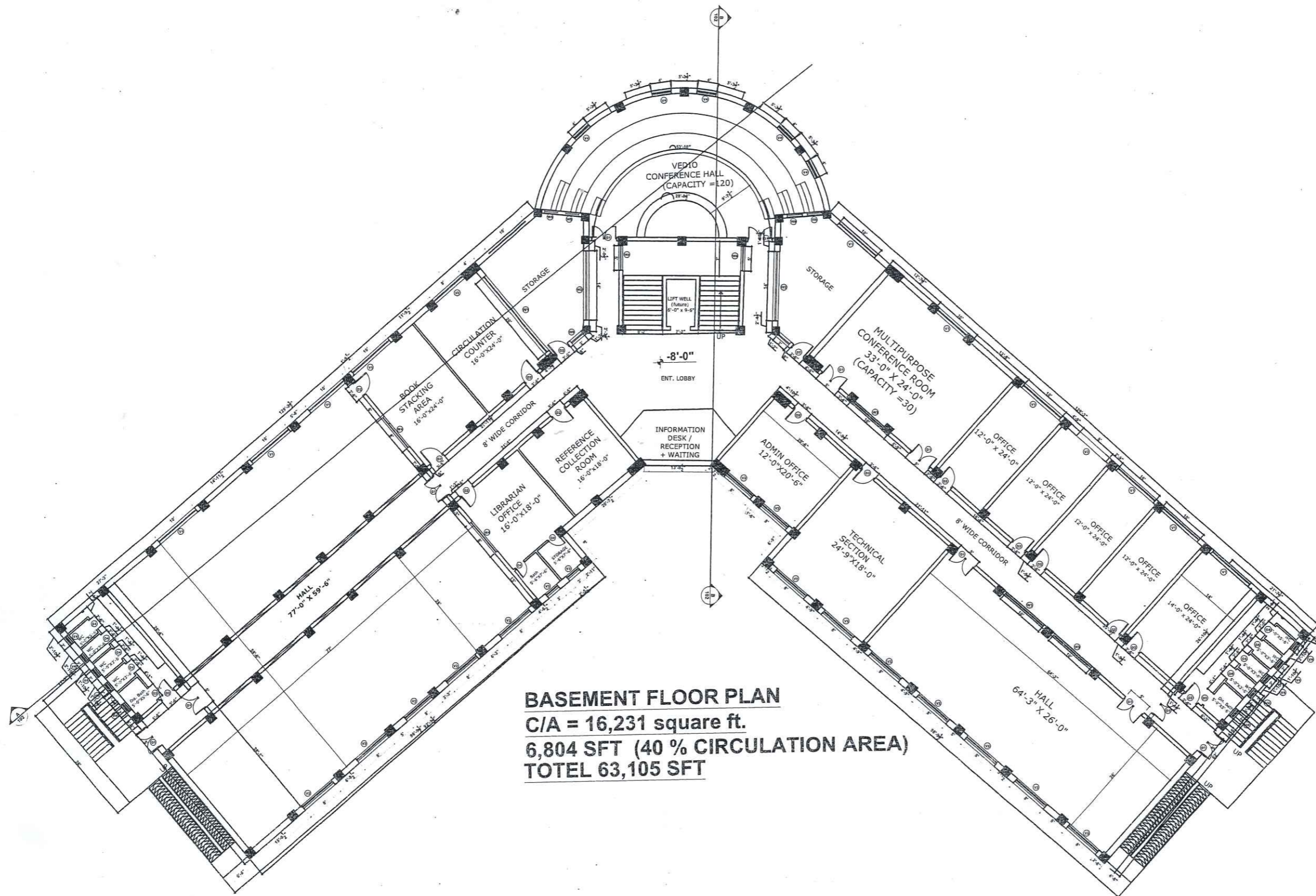
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND			
DRAWING		PROJECT NO.	
ACADEMIC BLOCK		AEC-602/2022	
GROUND FLOOR PLAN		DRAWING NO.	
		A - (2)	
ARCHITECT	CHECKED BY	MRS. SHAHINE KHAN	
AR.BAQIR ALI		SCALE	DATE
DRAWN	ASIM	AS SHOWN	JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG II, LAHORE. PH: 5759433 / 5756752			



FIRST SECOND FLOOR PLAN
C/A = 15,169 square ft.
6,067SFT (40 % CIRCULATION AREA)



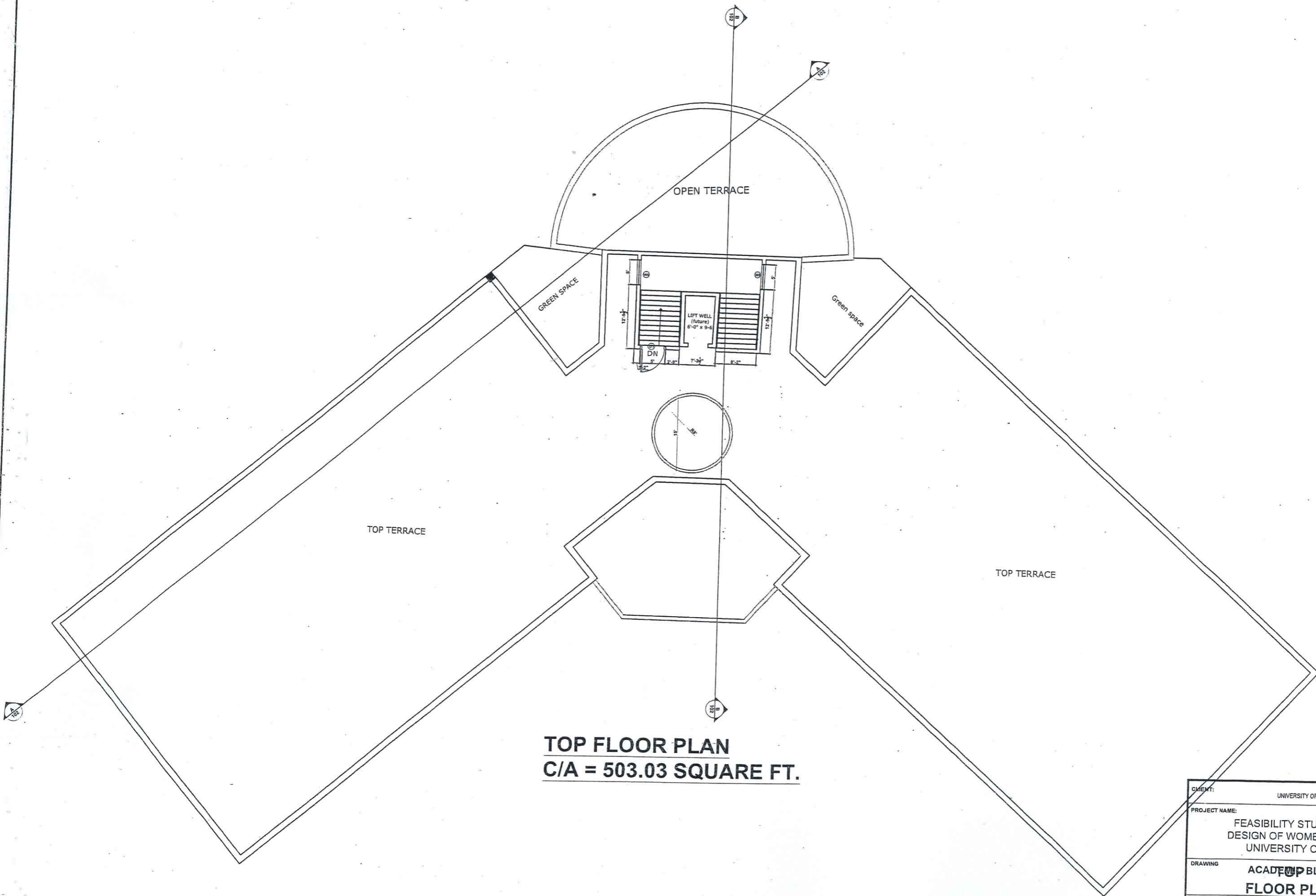
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:			
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND			
DRAWING	FIRST SECOND FLOOR PLAN	PROJECT NO.	AEC-602/2022
		DRAWING NO.	A - (3)
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	AS SHOWN
		DATE	JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG - II, LAHORE PH: 5758433 / 5758752			



BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT

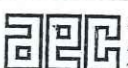


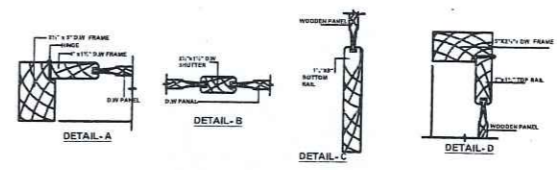
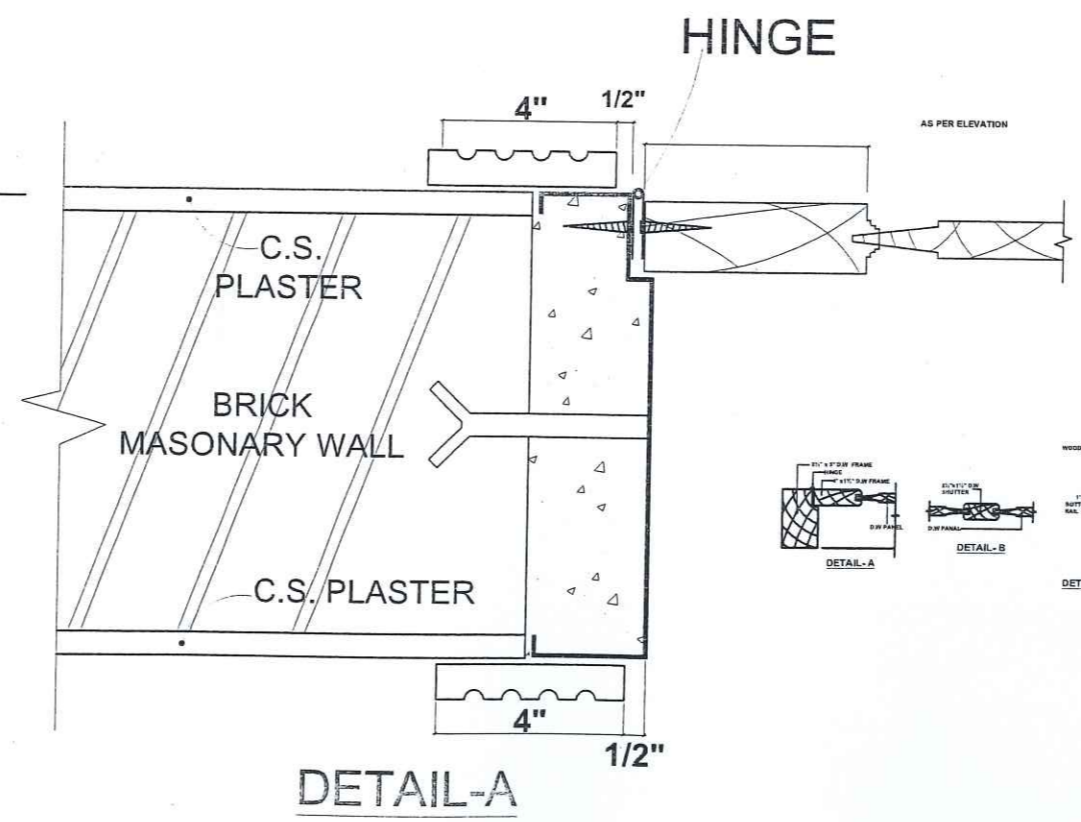
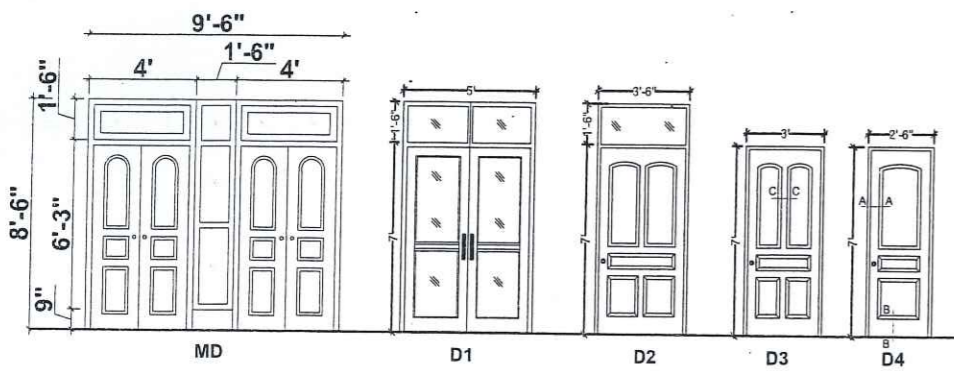
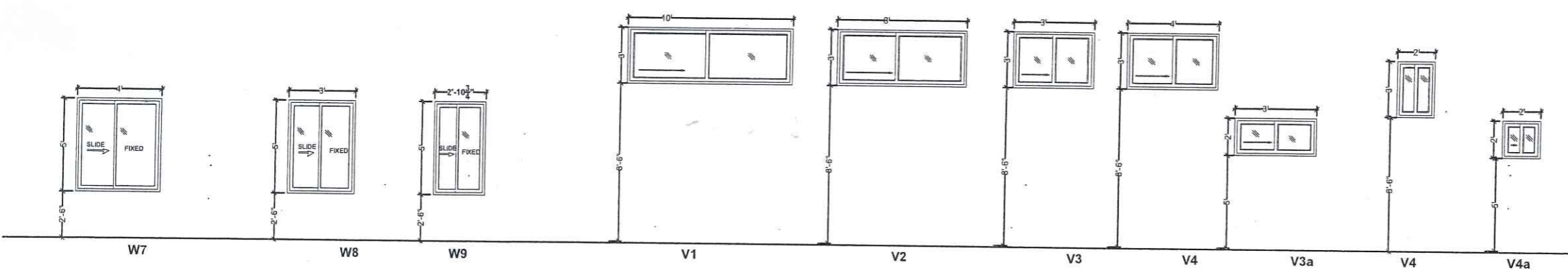
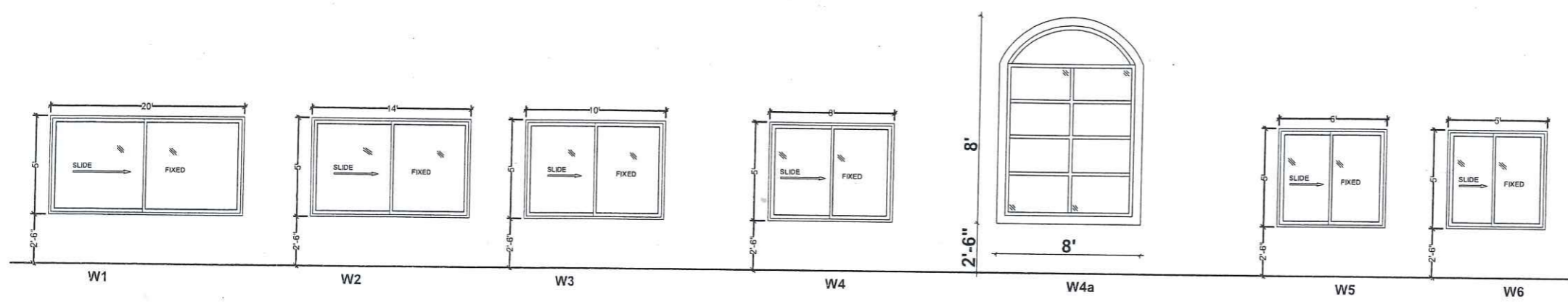
CLIENT: COMMUNICATION & HEALTH DEPARTMENT	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: ACADEMIC BLOCK	PROJECT NO. AEC-602/2022
BASEMENT FLOOR PLAN	DRAWING NO. A-(1)
ARCHITECT: AR.BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN
	DATE: JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 -A, GULBERG -II- LAHORE PH: 5758433 / 5755752	



TOP FLOOR PLAN
C/A = 503.03 SQUARE FT.



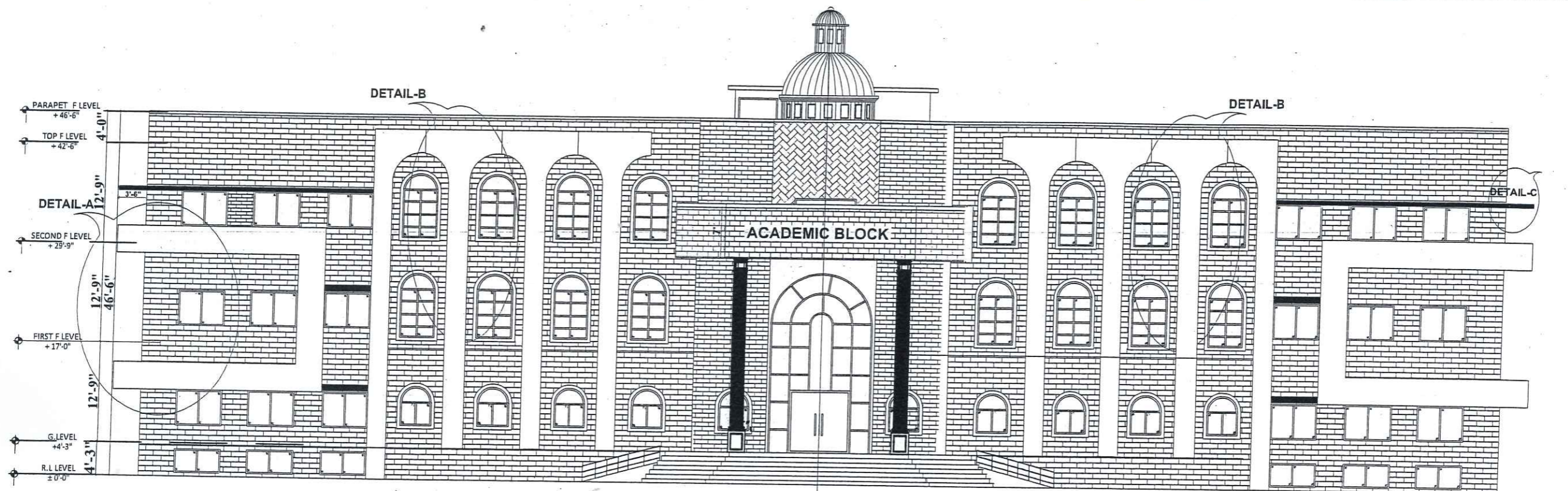
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:			
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND			
DRAWING	ACADEMIC BLOCK	PROJECT NO.	AEC-602/2022
	FLOOR PLAN	DRAWING NO.	A - (4)
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	JANUARY 2024
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19 - A, GULBERG-II, LAHORE. PH: 5758433 / 5756752			



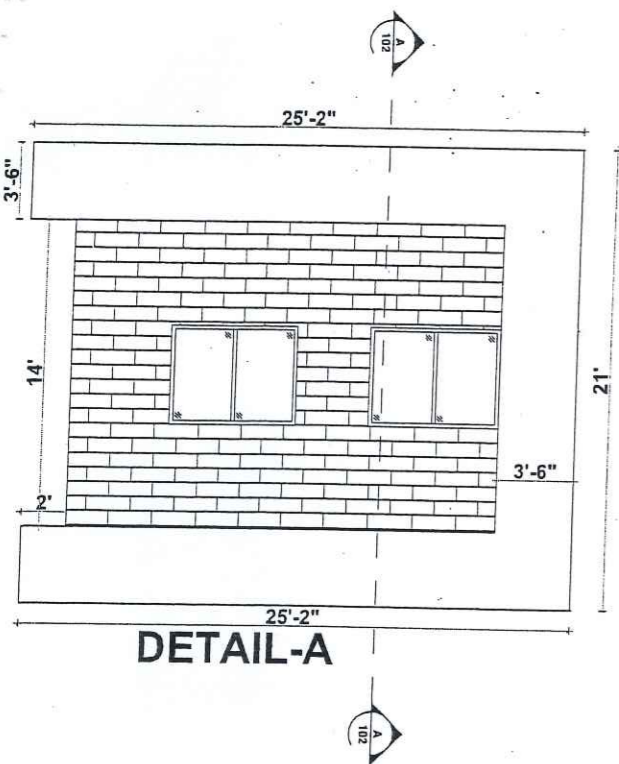
SCHEDULE OF DOORS AND WINDOWS			
NO.	SIZE	SILL QT.	DESCRIPTION
MD	9'-6"x8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D1	5'-0"x8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D2	3'-6"x8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D3	3'-0"x7'-0"	0'-0"	U PVC DOOR AS PER SPEC
D4	2'-6"x7'-0"	0'-0"	U PVC DOOR AS PER SPEC
W1	20'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W2	14'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W3	10'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W4	8'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W4a	8'-0"x8'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W5	6'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W6	5'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W7	4'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W8	3'-0"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
W9	2'-4"x5'-0"	2'-6"	ALUMINUM WINDOWS AS PER SPEC
V1	10'-0"x3'-0"	8'-6"	ALUMINUM VENT AS PER SPEC
V2	8'-0"x3'-0"	8'-6"	ALUMINUM VENT AS PER SPEC
V3	3'-0"x3'-0"	8'-6"	ALUMINUM VENT AS PER SPEC
V4a	3'-0"x2'-0"	5'-0"	ALUMINUM VENT AS PER SPEC
V4	2'-0"x3'-0"	8'-6"	ALUMINUM VENT AS PER SPEC
V4a	2'-0"x2'-0"	5'-0"	ALUMINUM VENT AS PER SPEC



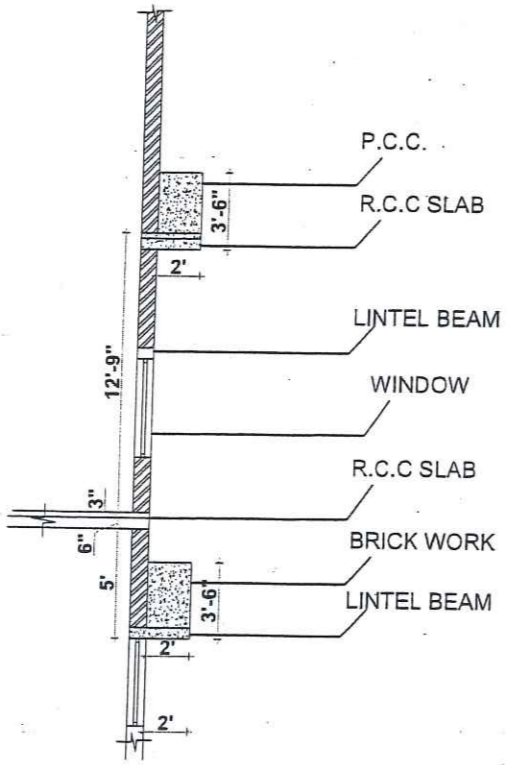
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: OPENING OF DOORS & WINDOWS	PROJECT NO. AEC-602/2022 DRAWING NO. A-(5)
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE. PH: 5758433 / 5756752	



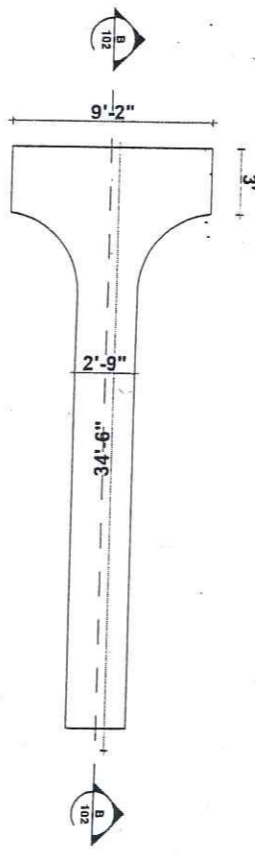
FRONT ELEVATION



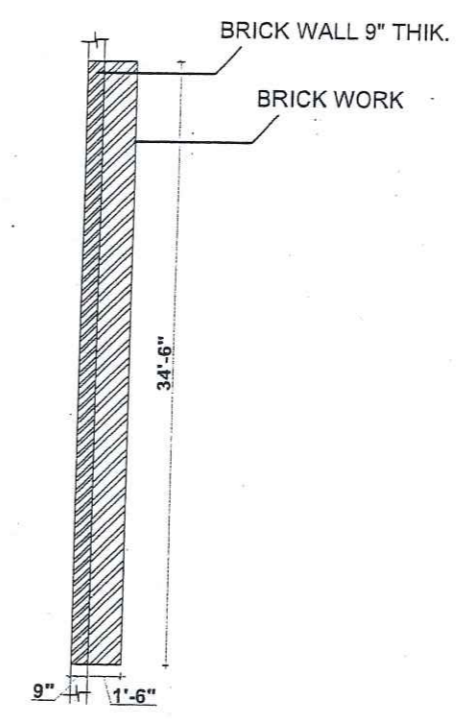
DETAIL-A



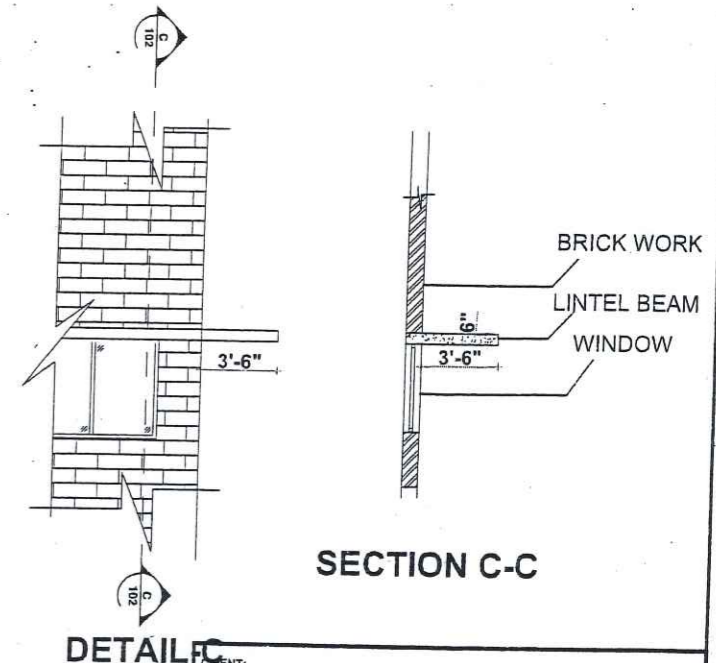
SECTION A-A



DETAIL-B




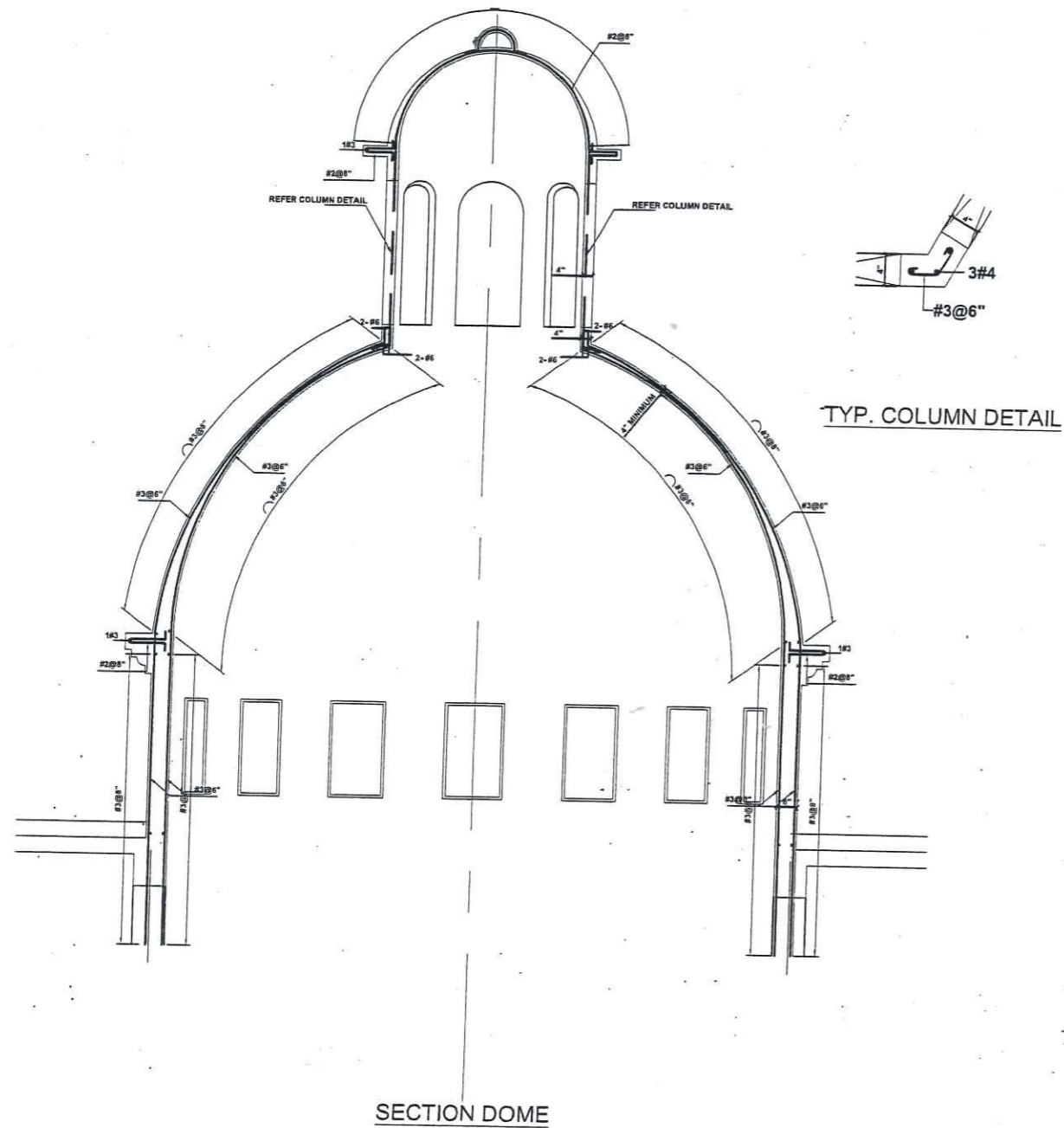
SECTION B-B



SECTION C-C

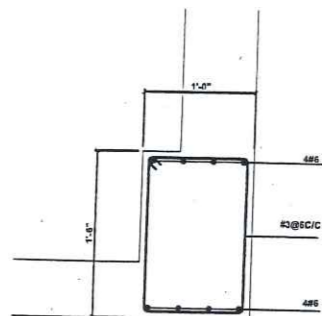
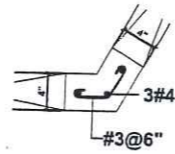


CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: ACADEMIC BLOCK FRONT ELEVATION	PROJECT NO. AEC-602/2022 DRAWING NO. A - (6)
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JANUARY 2024
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS • ENGINEERS • PLANNERS. 19-A, GULBERG-II, LAHORE. PH: 5758433 / 5758752	

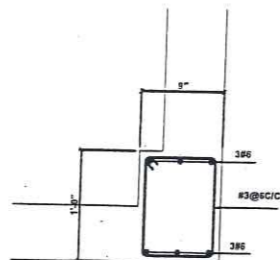


SECTION DOME

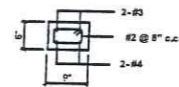
TYP. COLUMN DETAIL



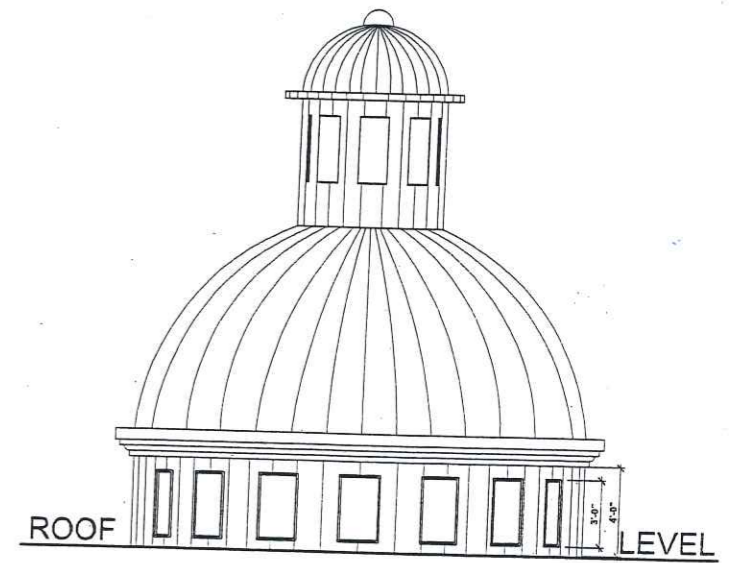
SECTION RING BEAM FOR DOME



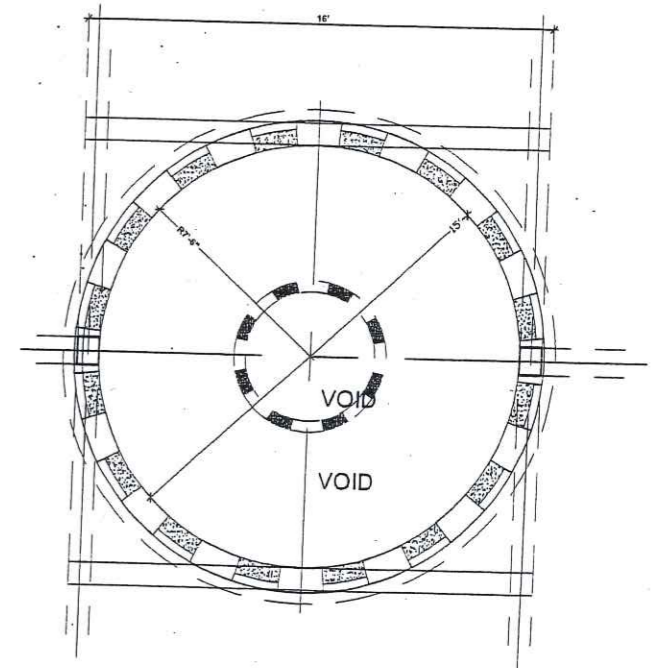
SECTION RING BEAM FOR DOME



LINTEL FOR OPENING



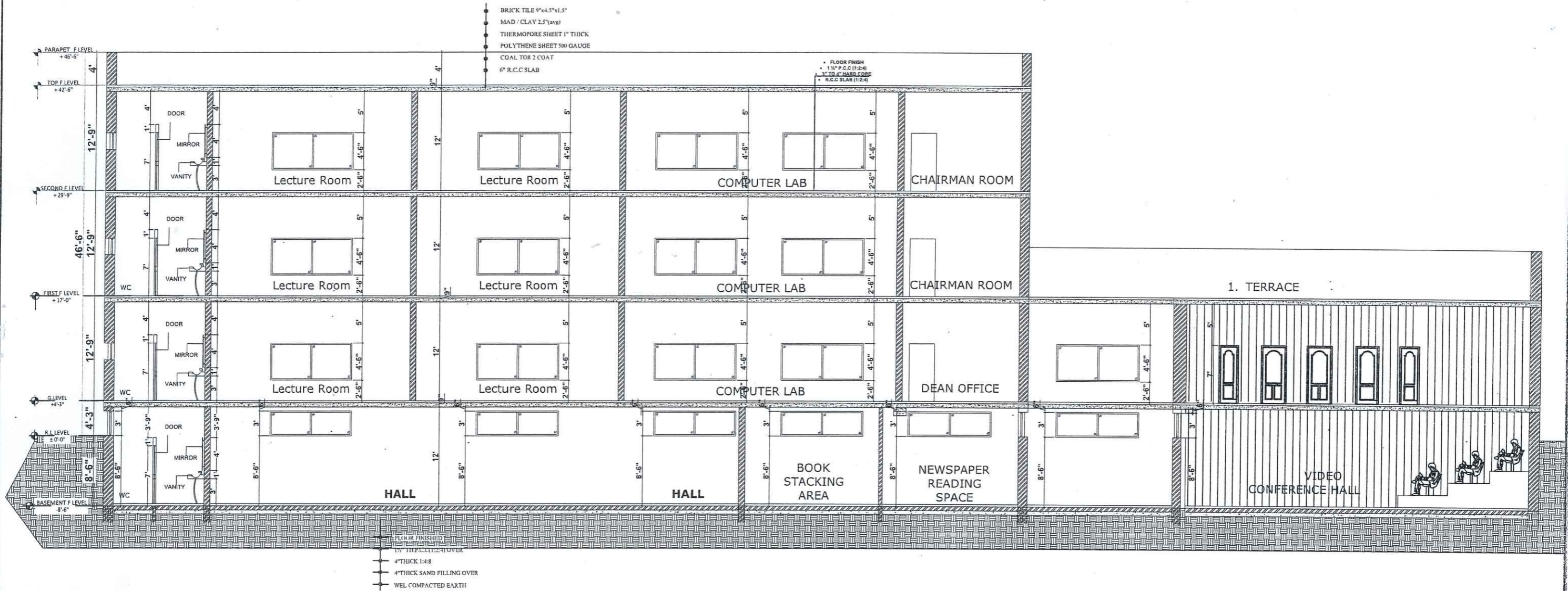
ELEVATION OF DOME



DOME PLAN




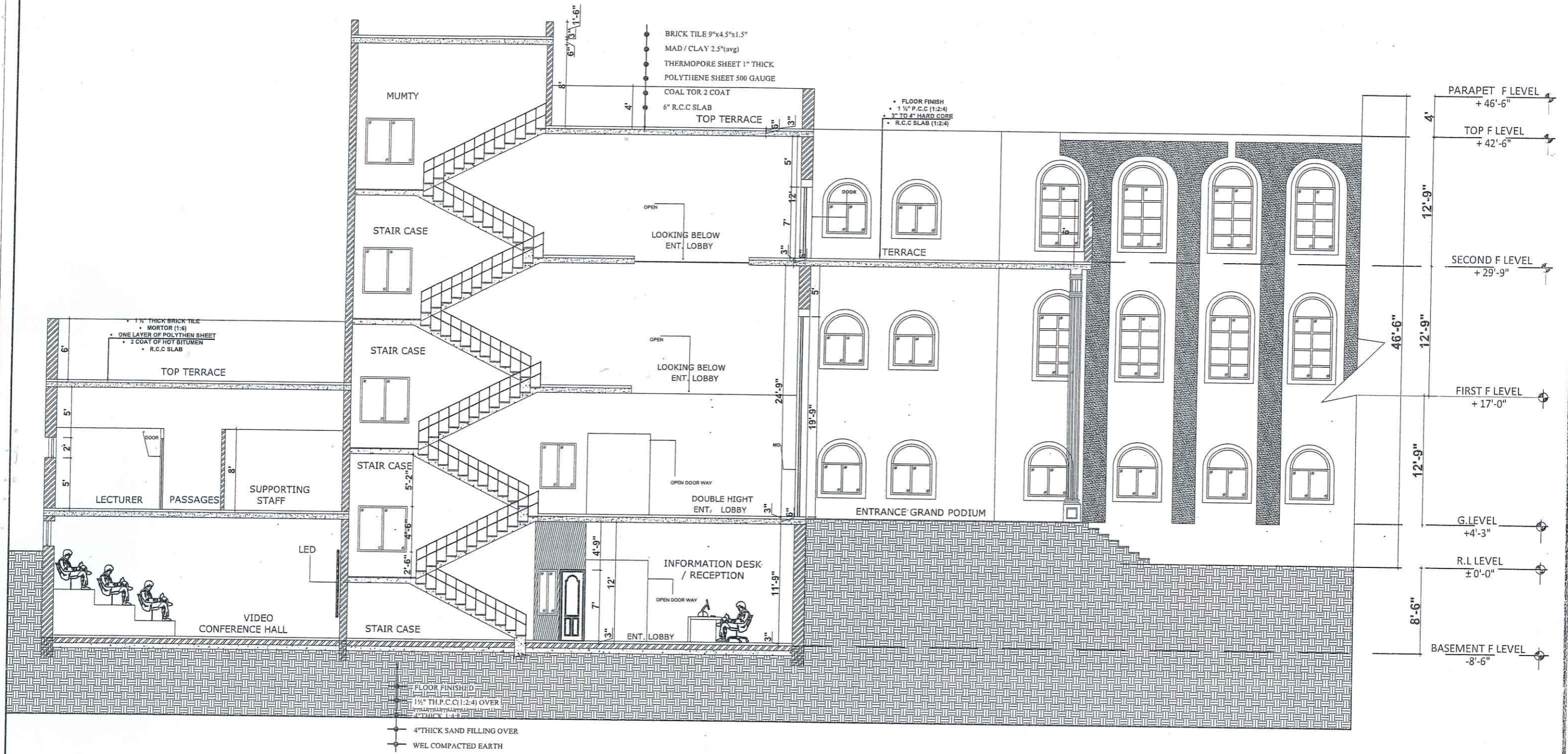
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING	ACADEMIC BLOCK DOME DETAIL	PROJECT NO.	AEC-602/2022
ARCHITECT	AR.BAQIR ALI	DRAWING NO.	A - (6A)
DRAWN	ASIM	CHECKED BY	MRS. SHAHINE KHAN
		SCALE	DATE
		AS SHOWN	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS. 19 - A, GULBERG-II, LAHORE. PH: 5758433 / 5756752			



SECTION AT A.A



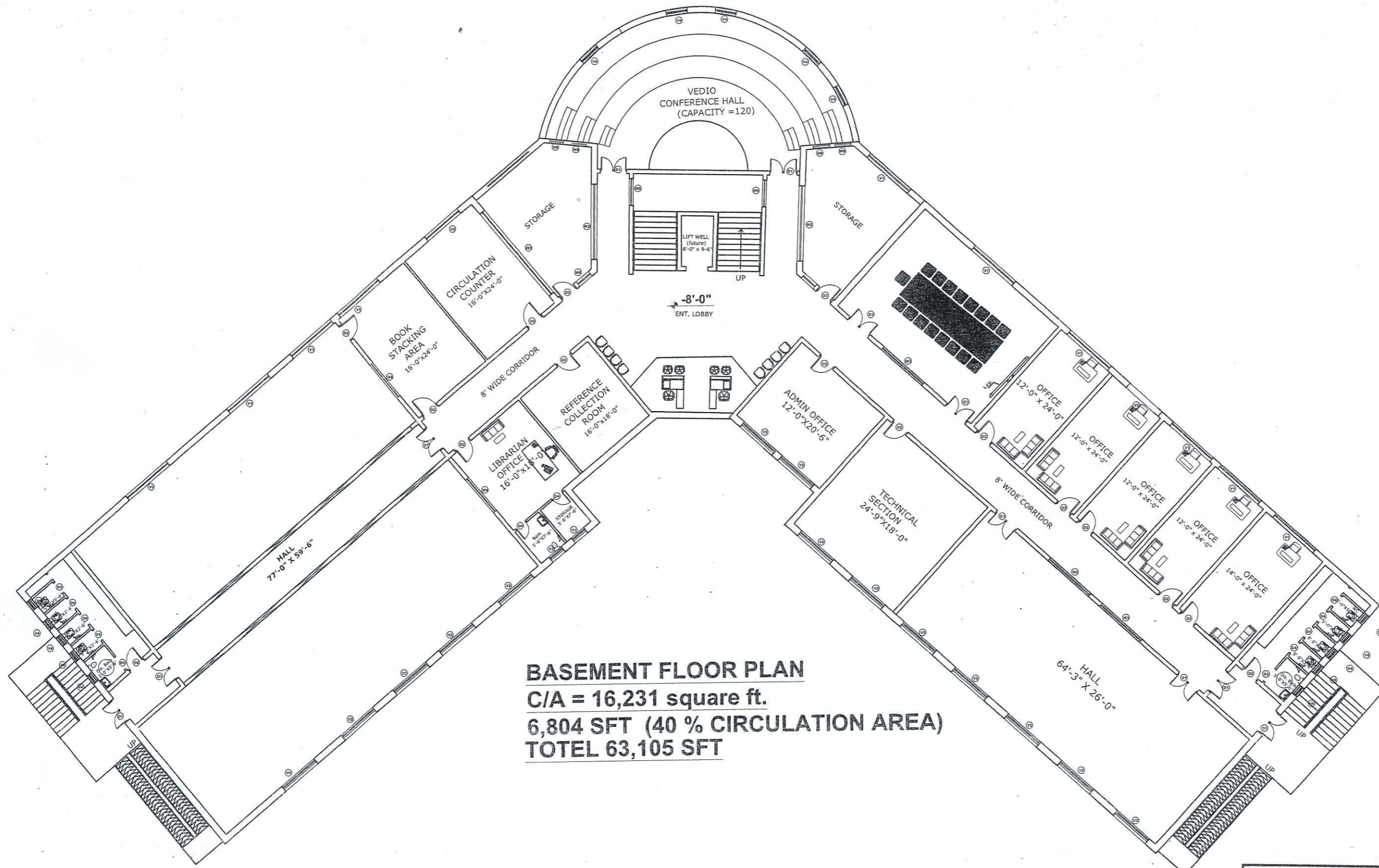
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: ACADEMIC BLOCK SECTION AT A-A	PROJECT NO. AEC-602/2022 DRAWING NO. A-(7)
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JULY 2024
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS. 19-A, GULBERG-II, LAHORE PH: 5758433 / 5758752	



SECTION AT B.B



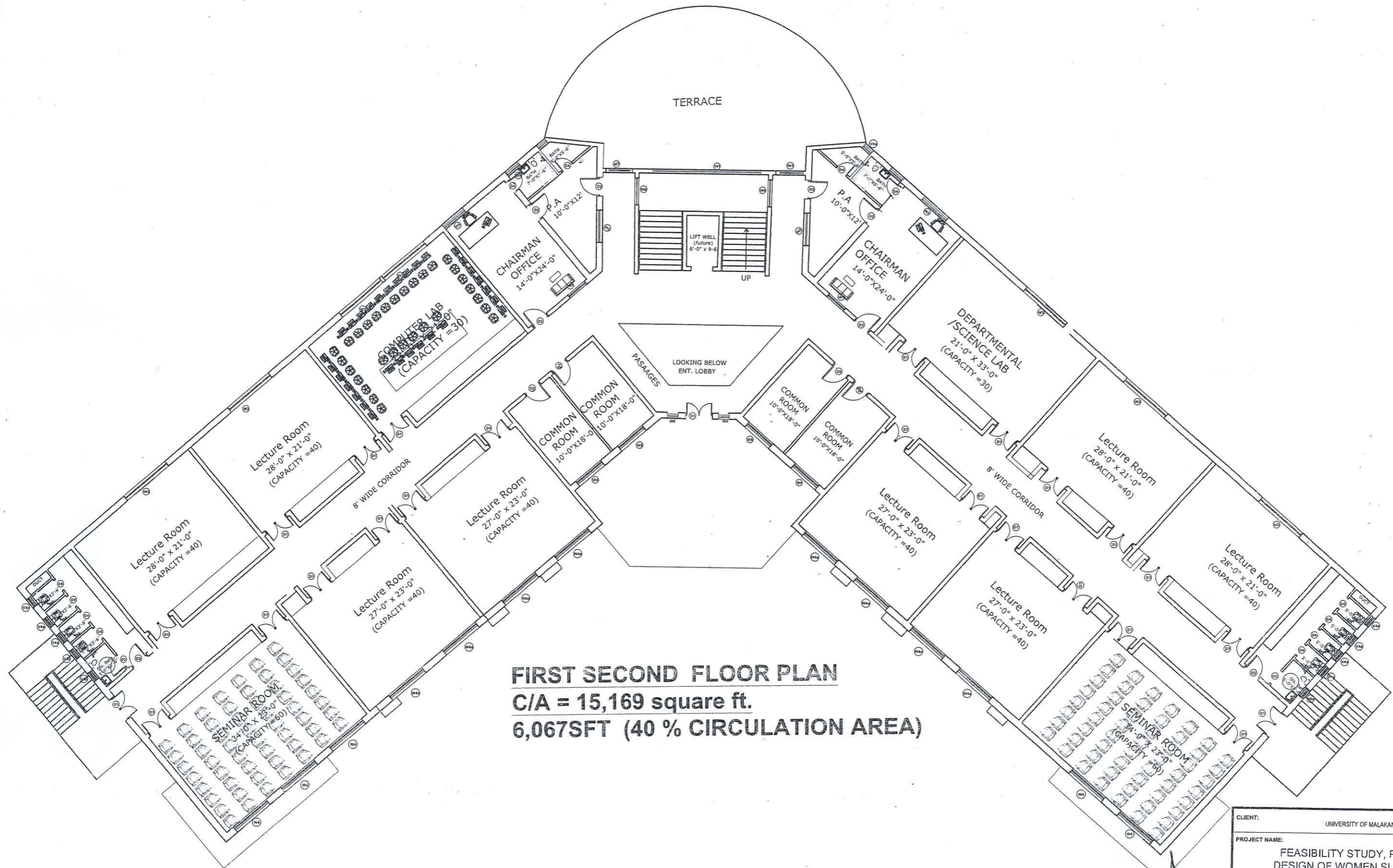
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: ACADEMIC BLOCK SECTION AT B-B	PROJECT NO. AEC-602/2022 DRAWING NO. A-(8)
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE. PH: 5756433 / 5756752	



BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT



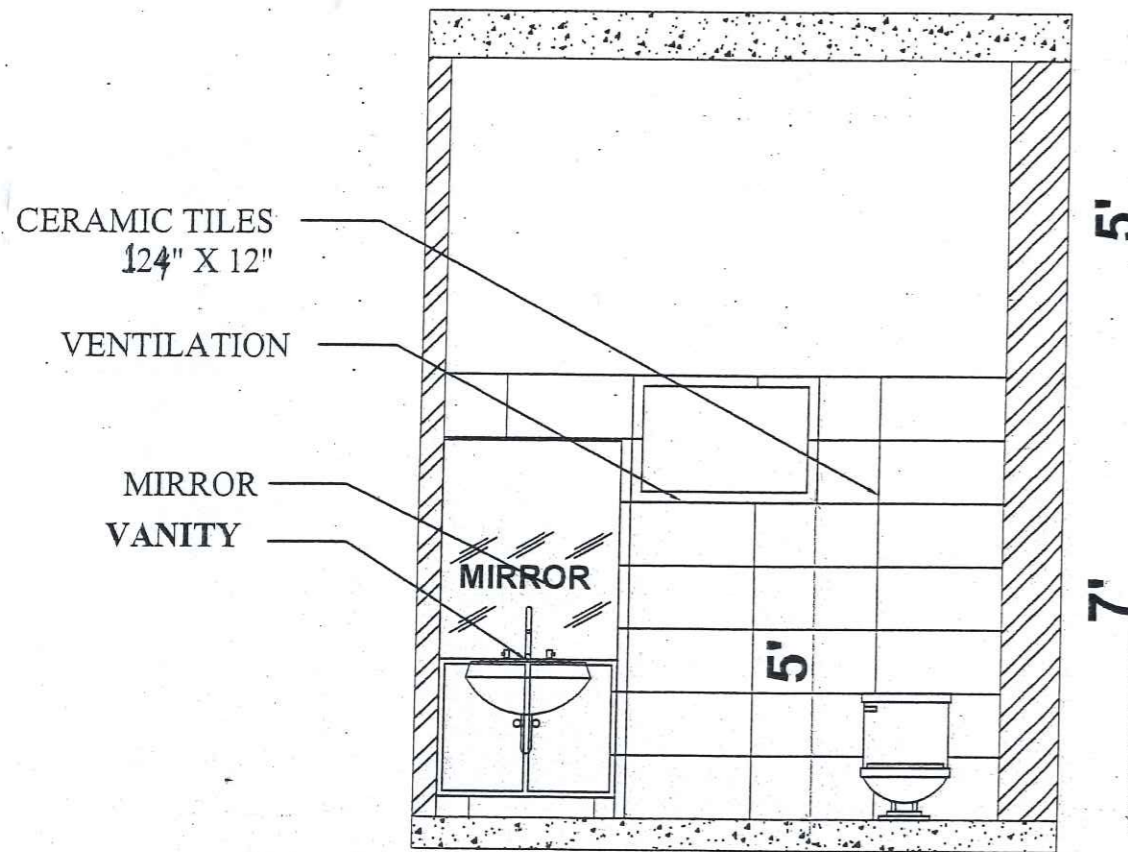
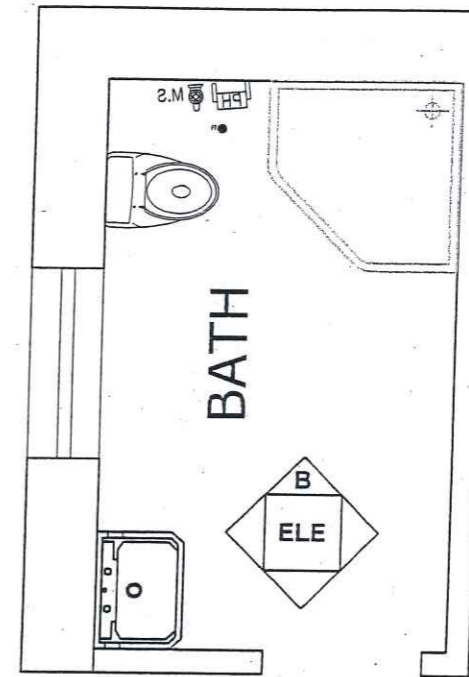
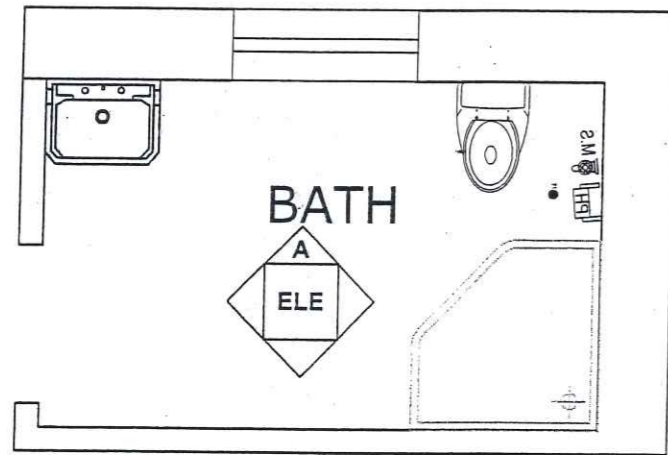
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWN	BASEMENT	PROJECT NO.	AEC-602/2022
	FURNITURE PLAN	DRAWING NO.	A - (9)
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19 - A, GULBERG-II LAHORE PH: 5758433 / 5756752			



FIRST SECOND FLOOR PLAN
C/A = 15,169 square ft.
6,067SFT (40 % CIRCULATION AREA)



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS , UNIVERSITY OF MALAKAND	
DRAWING	FIRST & SECOND FURNITURE PLAN	PROJECT NO.	AEC-602/2022
		DRAWING NO.	A - (11)
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	JULY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG - II, LAHORE PH: 5758433 / 5756752			

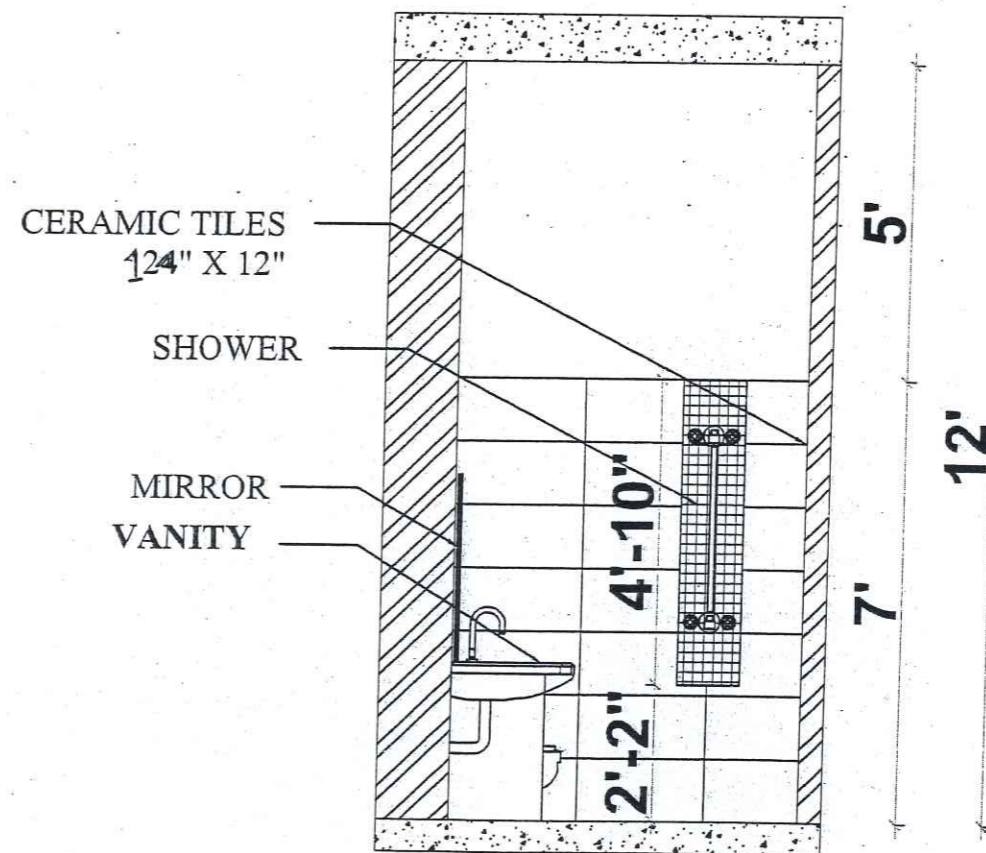


TYPICAL BATH TYPE A

9"

5'

7'




TYPICAL BATH TYPE B

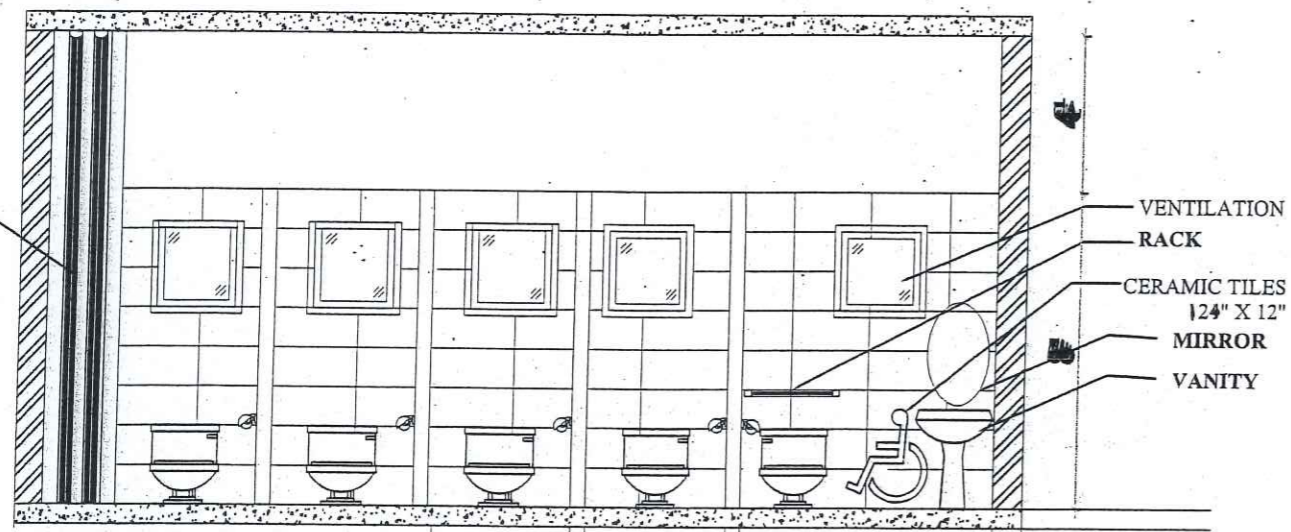
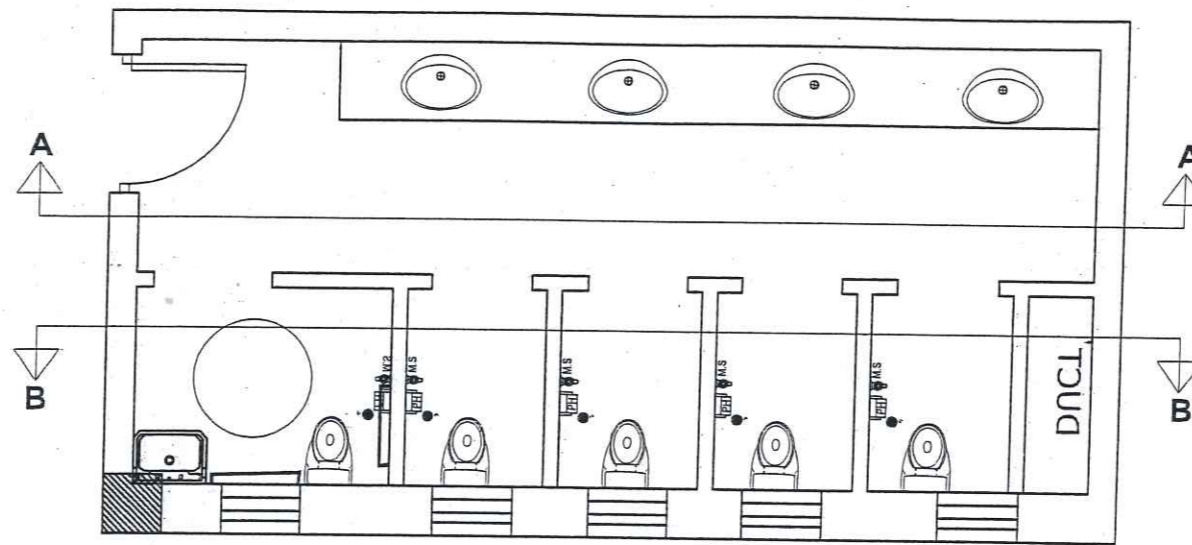
5'

7'

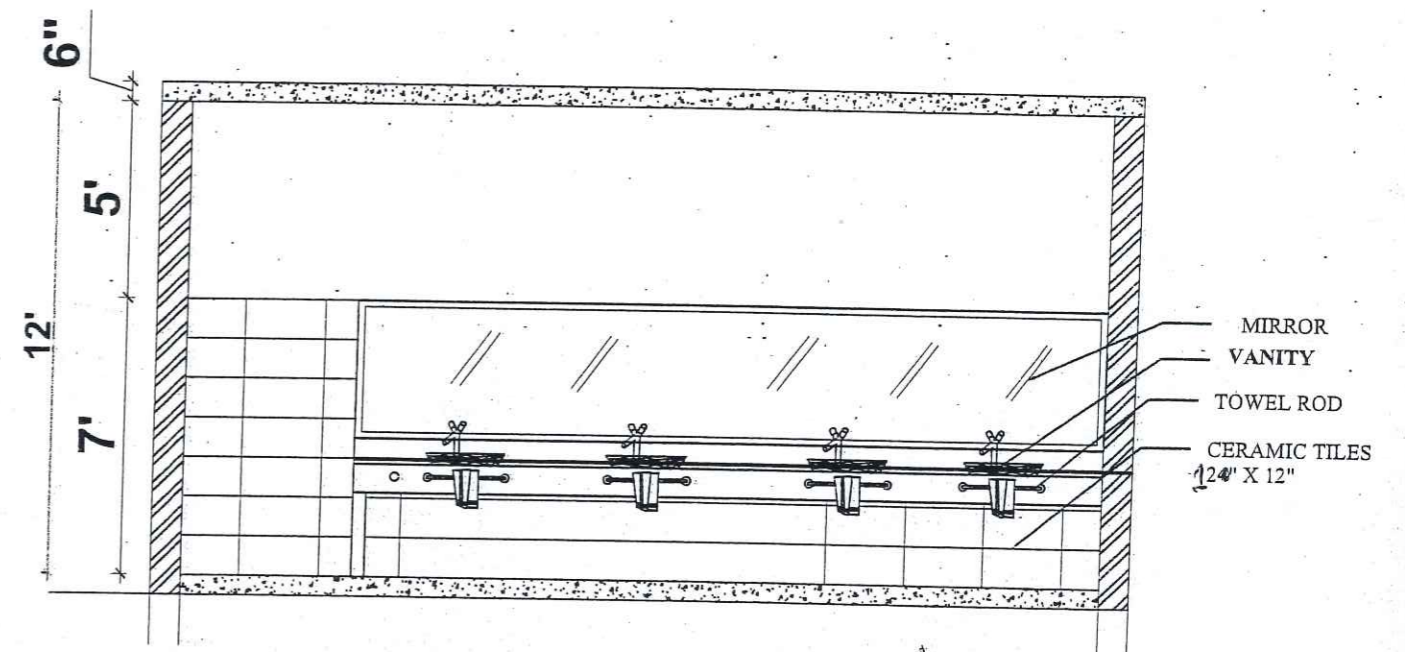
12'



CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND	
DRAWING: TYPICAL BATH DETAIL	PROJECT NO. AEC-602/2022 DRAWING NO. A - (12)
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: DEC 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-4, LAHORE PH: 5759433 / 5759752	

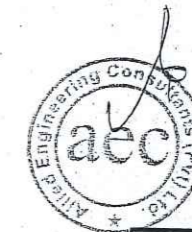



ELEVATION B-B

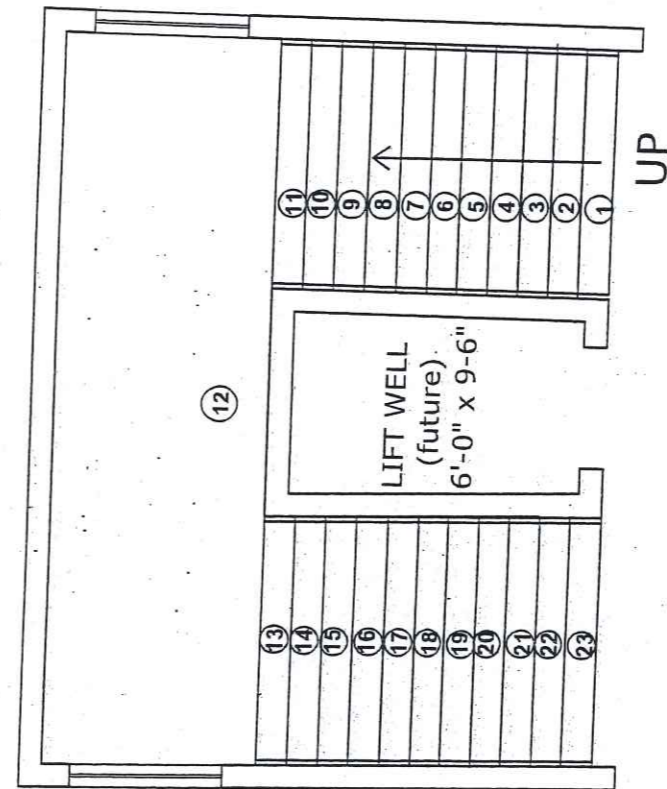
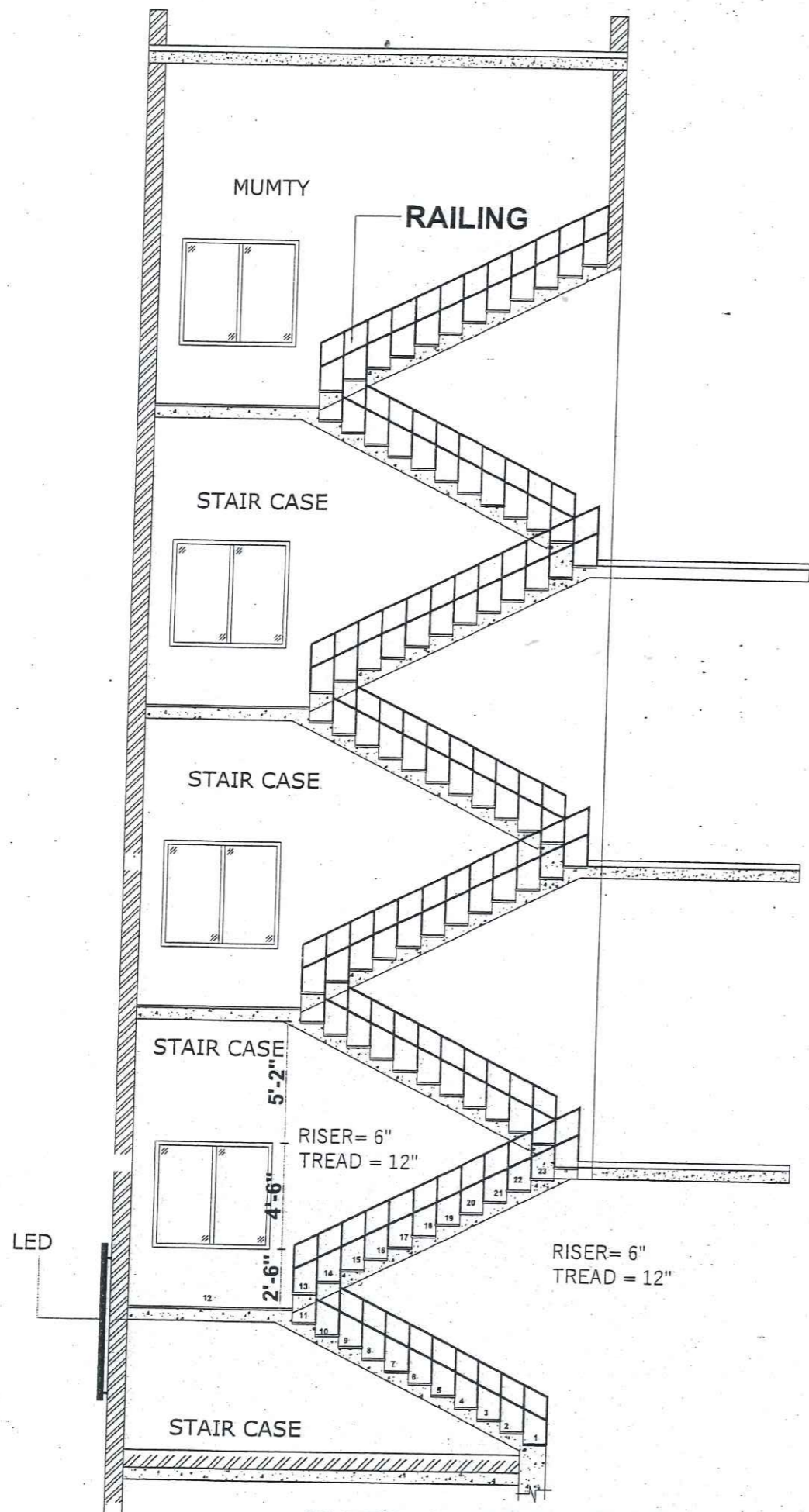


ELEVATION A-A

LAVATORY BLOCK TYPICAL DETAILS




CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND	
DRAWING: TYPICAL LAVATORY DETAIL	PROJECT NO. AEC-602/2022 DRAWING NO. A-(13)
ARCHITECT: AR.BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: DEC 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS . ENGINEERS . PLANNERS. 19-A, GULBERG-II-LAHORE PH: 5758433 / 5756752	



STAIR DETAIL



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND			
DRAWING		PROJECT NO. AEC-602/2022	
TYPICAL STAIR DETAIL		DRAWING NO. A-(14)	
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	DEC 2023
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NOTE:
LAVATORY BLOCK (5'-0")HEIGHT
ATTACHED BATH (7'-0")HEIGHT

ACADEMIC

SCHEDULE OF INTERNAL FINISHES

NO.	ROOMS NAME	FLOOR					SKIRTING			DADO	WALLS / COLUMNS		CEILING	
		MOSAIC FLOORING	MARBLE FLOORING	PCC	CERAMIC TILE	PORCELAIN TILE	MOSAIC	MARBLE	PORCELAIN TILE		GLAZED CERAMIC TILE	DISTEMPER	PLASTIC EMULATION PAINT	FALSE CEILING
01	ENTRANCE LOBBY & CORRIDOR		●				●					●		●
02	HALL				●			●				●	●	●
03	SECTION ROOM	●					●					●		●
04	OFFICE'S				●			●				●	●	●
05	BOOK STACKING AREA	●					●					●		●
06	VIDEO CONFERENCE	●					●					●		●
07	MULTIPURPOSE CONFERENCE ROOM	●					●					●		●
08	PUBLIC ACCESS COMPUTER SCIENCE	●					●					●		●
09	MULTIMEDIA SECTION	●					●					●		●
10	SEMINAR ROOM				●			●				●	●	●
11	Lecture Room											●	●	●
12	COMPUTER LAB				●			●				●	●	●
13	LAUNDRY			●					●			●		●
14	PROF.				●			●				●	●	●
15	SUPPORTING STAFF	●					●					●		●
16	COMMON ROOM	●					●					●		●
17	BATH			●					●			●		●
18	LAVATORY			●					●			●		●
18	TERRACE											●		●



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:			
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND			
DRAWING	ACADEMIC BLOCK FINISHED DETAIL		PROJECT NO. AEC-602/2022 DRAWING NO. A-(15)
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	AS SHOWN
		DATE	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS 19-A, GULBERG-II, LAHORE PH: 5758433 / 5755752			

CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

FEASIBILITY STUDY, PLANNING,
DESIGN OF WOMEN SUB CAMPUS ,
UNIVERSITY OF MALAKAND

DRAWING

**ACADEMIC BLOCK
FLOORING DRAWINGS**

PROJECT NO.
AEC-602/2022

DRAWING NO.

ARCHITECT

AR.BAQIR ALI

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

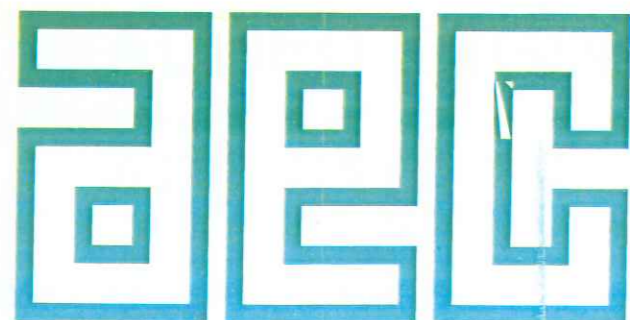
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SCALE

AS SHOWN

DATE

JANUARY 2024



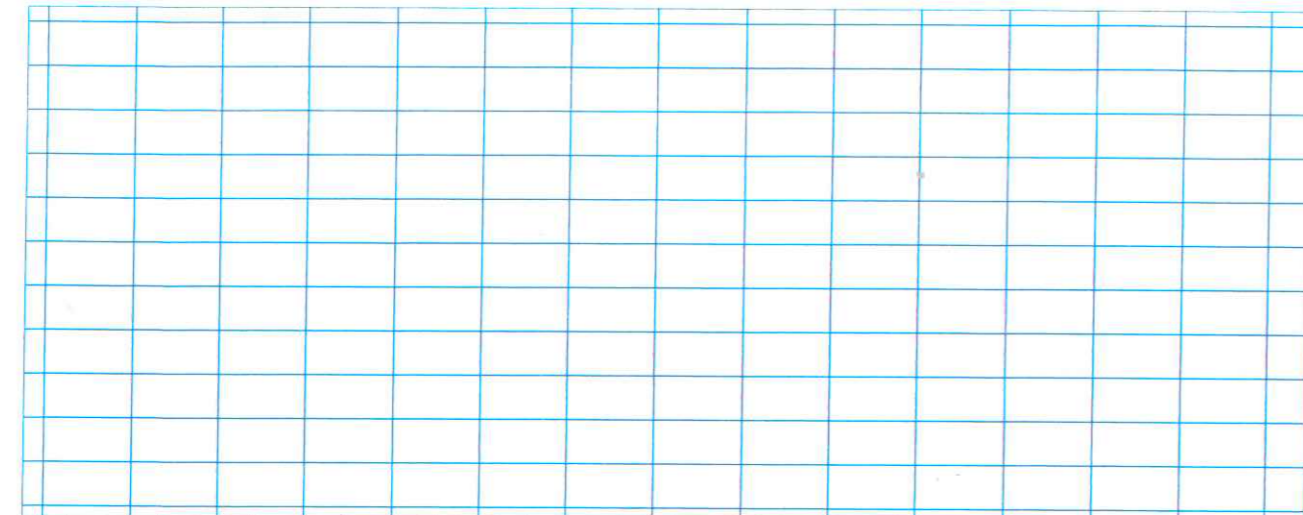
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ARCHITECTS.

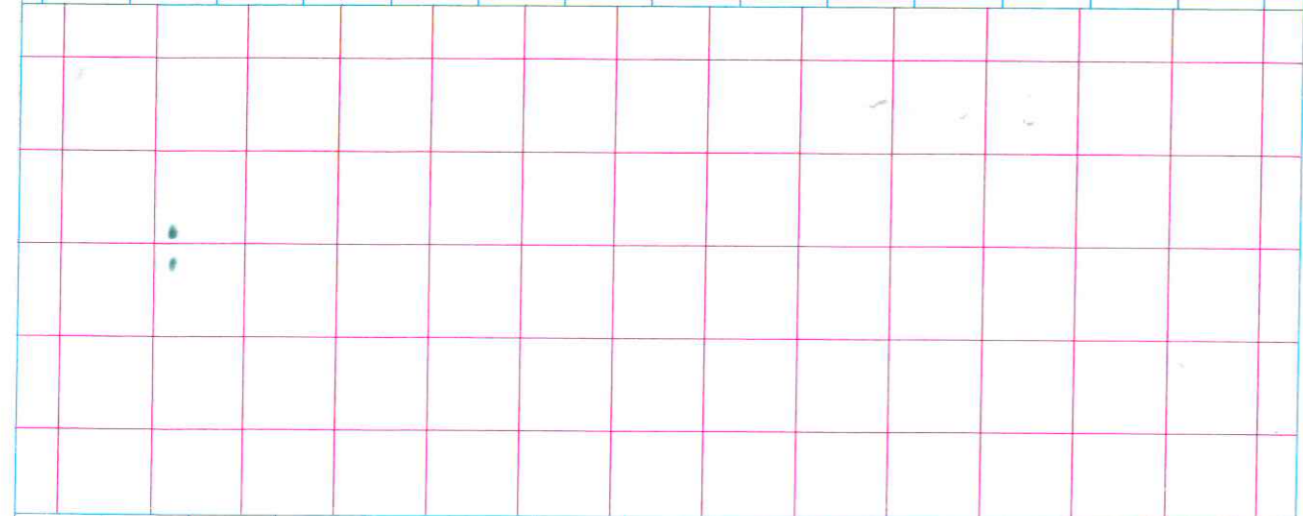
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PLANNERS.

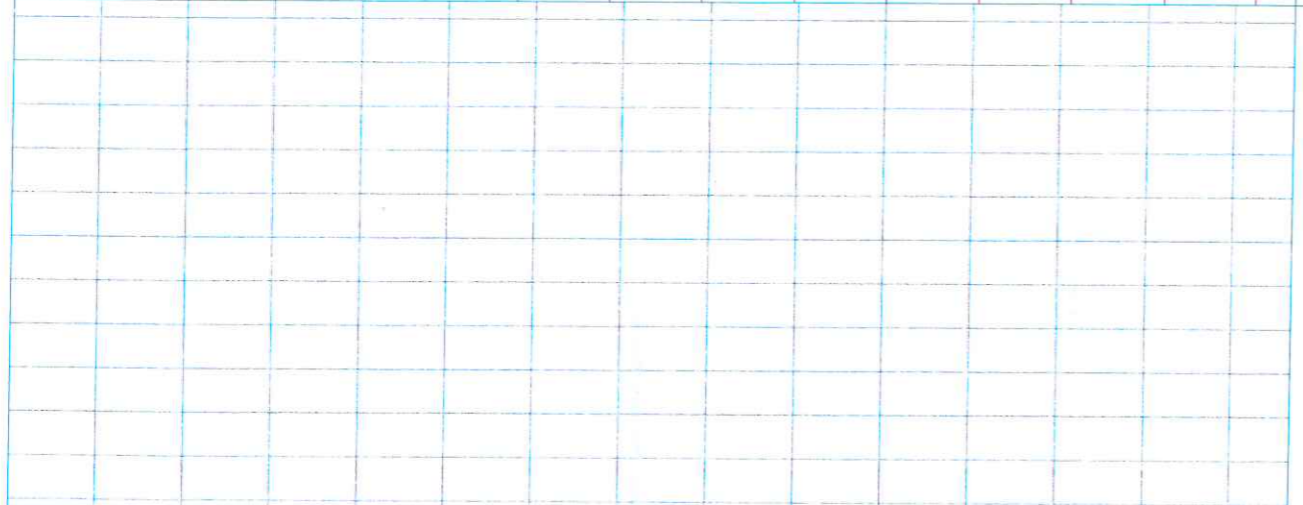
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**MARBLE
FLOORING 12"x12"**



**PORCELAIN
TILE 20" x 20"**



**CERAMIC
TILE 12" x 12"**



CLIENT: COMMUNICATION & HEALTH DEPARTMENT

PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND

PROJECT NO: AEC-602/2022

DATE: A - (0)

LEGEND

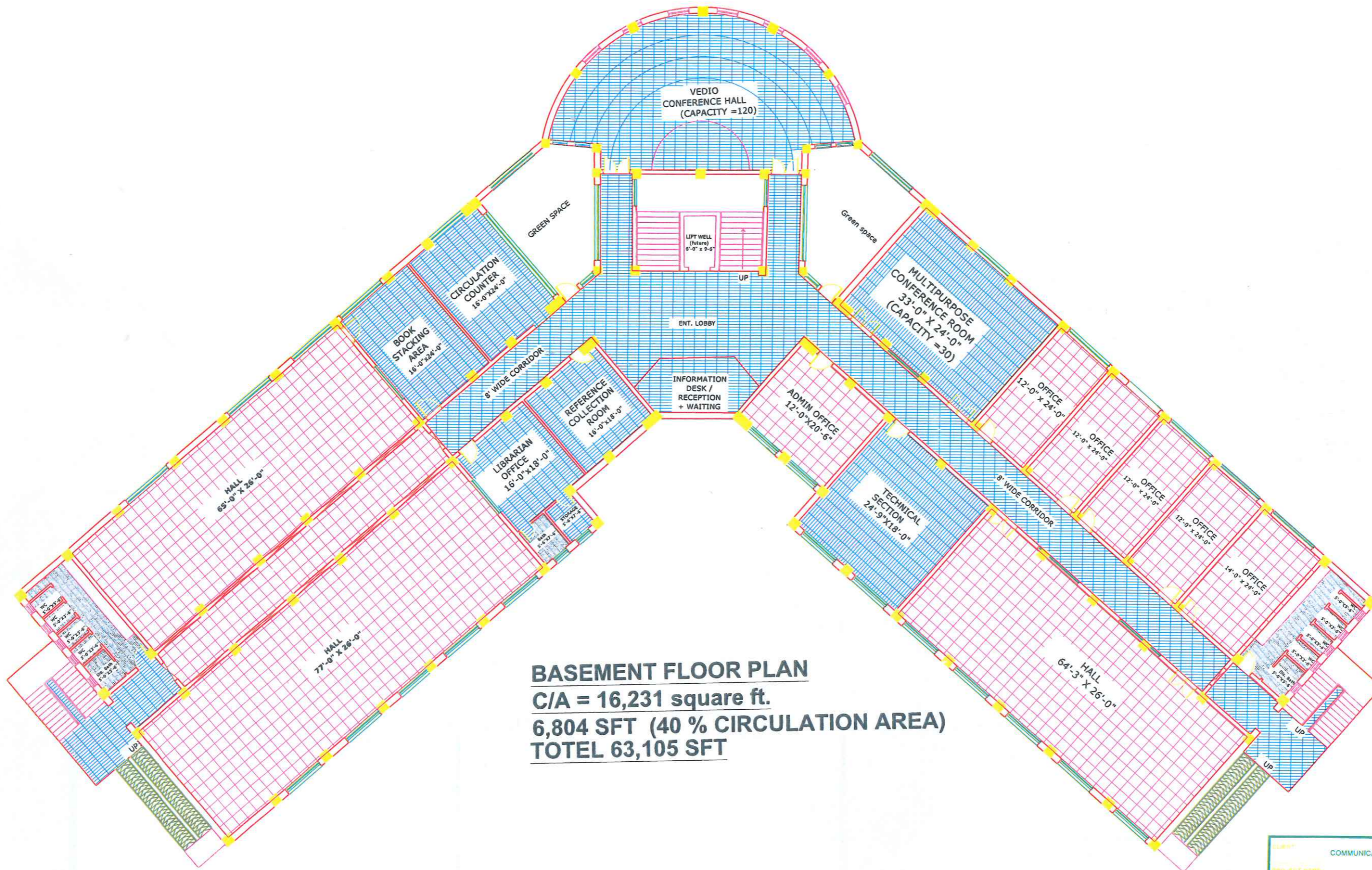
DESIGNED BY: AR. BAQIR ALI

CHECKED BY: MRS. SHAHINE KHAN

SCALE: AS SHOWN

DATE: JANUARY 2024

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BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT



COMMUNICATION & HEALTH DEPARTMENT

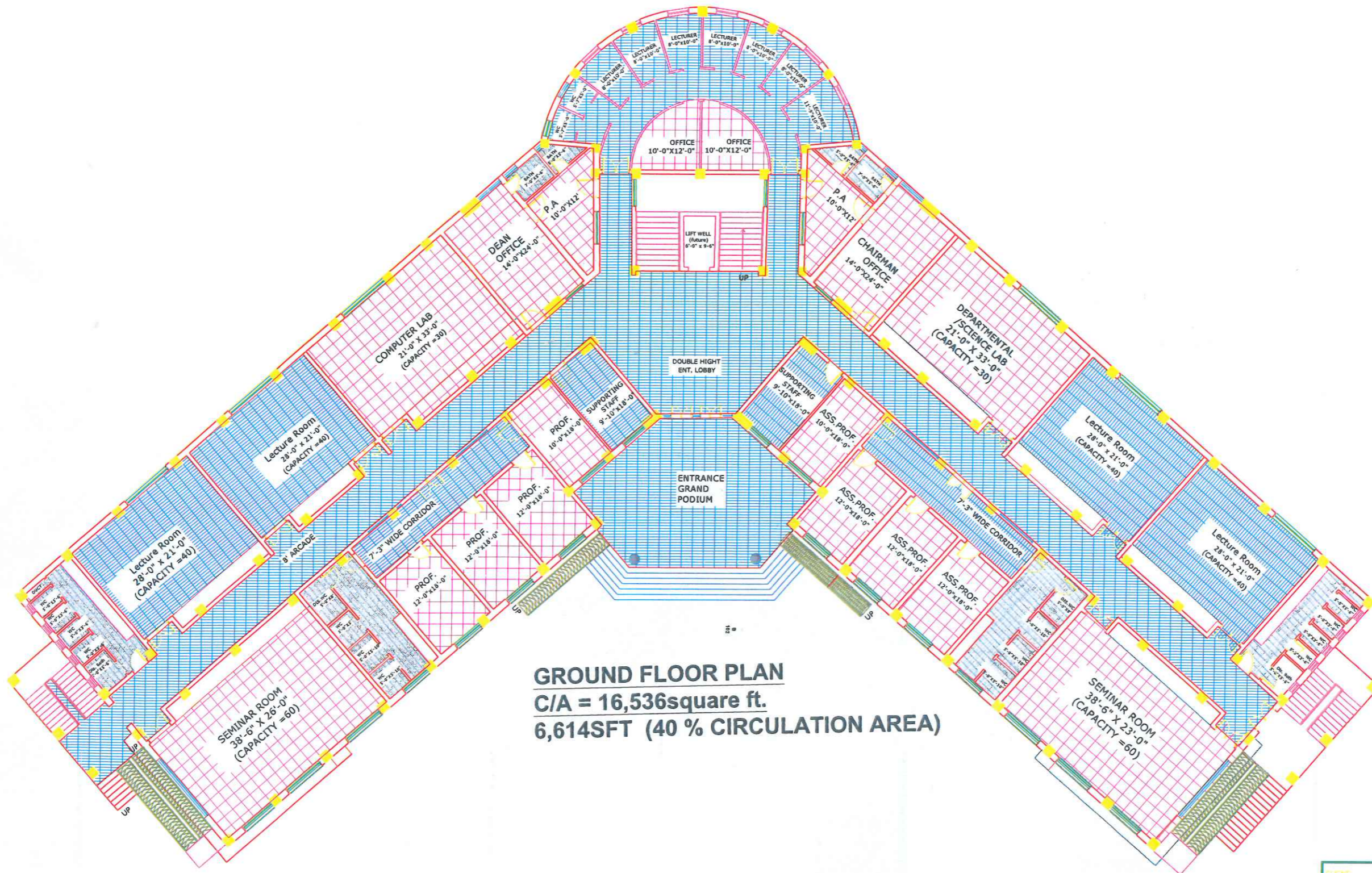
FEASIBILITY STUDY, PLANNING,
 DESIGN OF WOMEN SUB CAMPUS,
 UNIVERSITY OF MALAKAND

BASEMENT FLOOR PLAN

PROJECT NO: AEC-602/2022
 SHEET NO: A - (1)

DESIGNED BY: AR. BAQIR ALI
 CHECKED BY: MRS. SHAHINE KHAN
 DATE: AS SHOWN JANUARY 2024

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GROUND FLOOR PLAN
C/A = 16,536square ft.
6,614SFT (40 % CIRCULATION AREA)



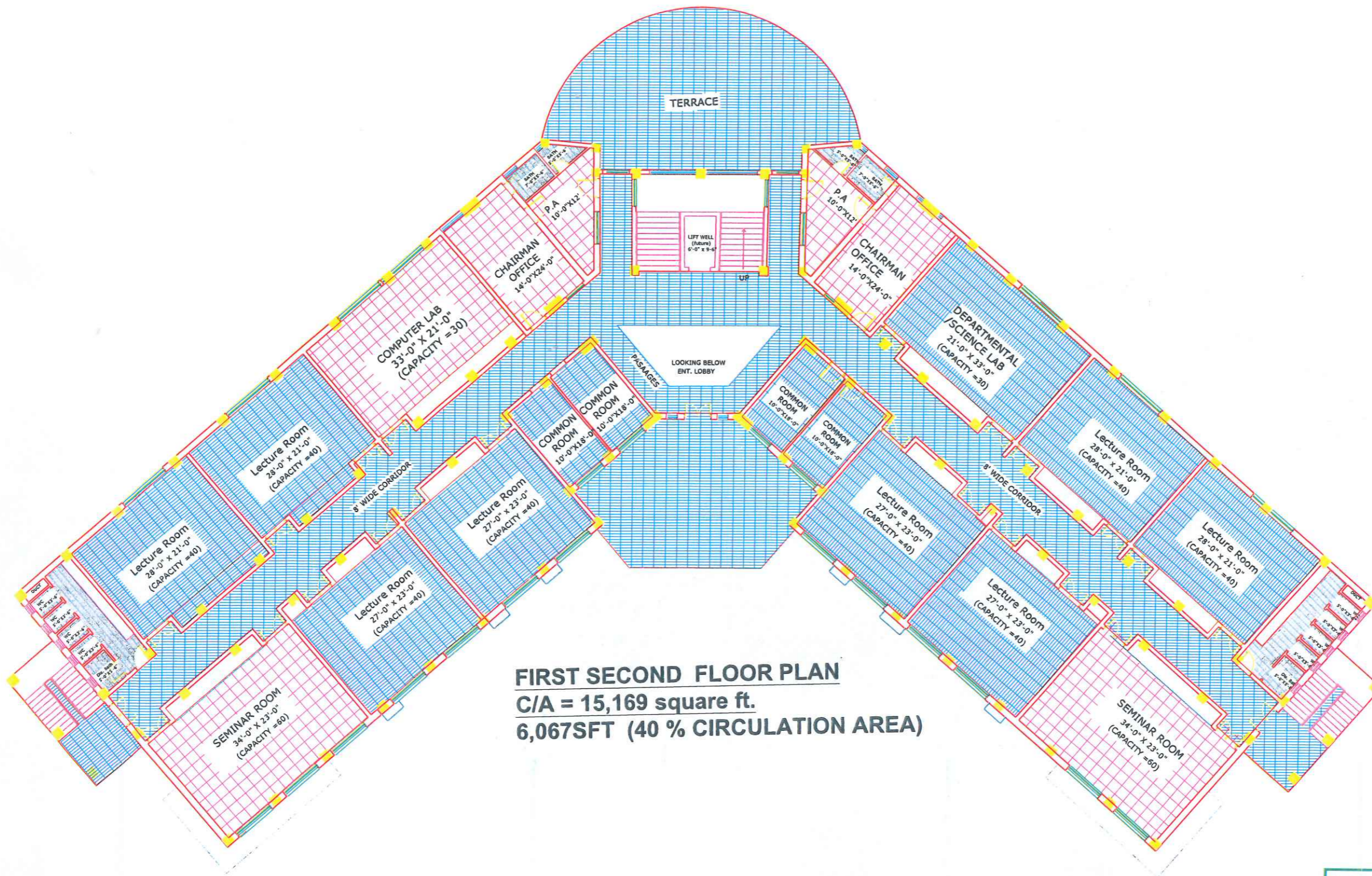
UNIVERSITY OF MALAKAND

FEASIBILITY STUDY, PLANNING,
 DESIGN OF WOMEN SUB CAMPUS ,
 UNIVERSITY OF MALAKAND

GROUND FLOOR PLAN AEC-602/2022
 A - (2)

AR.BAQIR ALI MRS. SHAHINE KHAN
 ASIM AS SHOWN JANUARY 2024

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FIRST SECOND FLOOR PLAN
C/A = 15,169 square ft.
6,067SFT (40 % CIRCULATION AREA)



CLIENT	UNIVERSITY OF MALAKAND
PROJECT NAME	FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND
PROJECT NO.	AEC-602/2022
DATE	A - (3)
DESIGNED BY	AR BAQIR ALI
CHECKED BY	MRS. SHAHINE KHAN
DATE	JANUARY 2024
SCALE	AS SHOWN
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG - 4, LAHORE PH: 5758433 5756752	

NOTE:
LAVATORY BLOCK (5'-0")HEIGHT
ATTACHED BATH (7'-0")HEIGHT

ACADEMIC

SCHEDULE OF INTERNAL FINISHES

NO.	ROOMS NAME	FLOOR					SKIRTING		DADO			WALLS / COLUMNS		CEILING	
		MOSSAIC FLOORING	MARBLE FLOORING	PCC	CERAMIC TILE	PORCELAIN TILE	MOSAIC	MARBLE	GLAZED CERAMIC TILE				DISTEMPER	PLASTIC EMULATION PAINT	FALSE CEILING
01	ENTRANCE LOBBY & CORRIDOR	●					●					●		●	
02	HALL				●							●		●	●
03	SECTION ROOM	●					●					●		●	●
04	OFFICE'S				●							●		●	●
05	BOOK STACKING AREA	●					●					●		●	●
06	VIDEO CONFERENCE	●					●					●		●	●
07	MULTIPURPOSE CONFERENCE ROOM	●					●					●		●	●
08	PUBLIC ACCESS COMPUTER SCIENCE	●					●					●		●	●
09	MULTIMEDIA SECTION	●					●					●		●	●
10	SEMINAR ROOM				●							●		●	●
11	Lecture Room											●		●	●
12	COMPUTER LAB				●							●		●	●
13	LAUNDRY				●					●		●		●	●
14	PROF.				●							●		●	●
15	SUPPORTING STAFF	●					●					●		●	●
16	COMMON ROOM	●					●					●		●	●
17	BATH				●					●		●		●	●
18	LAVATORY				●					●		●		●	●
18	TERRACE											●		●	●



UNIVERSITY OF MALAKAND

PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND

DRAWING NO: FINISHED DETAIL

PROJECT NO: AEC-602/2022

SCALE: A - (4)

DESIGNED BY: AR. BAQIR ALI

CHECKED BY: MRS. SHAHINE KHAN

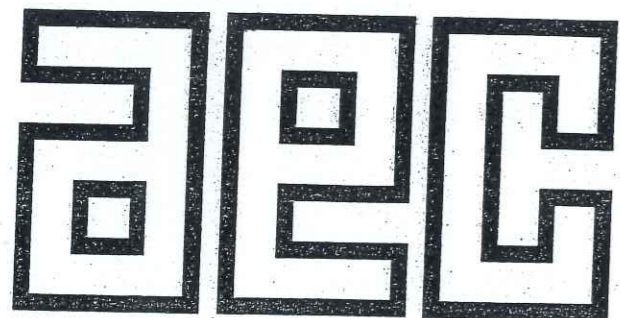
DATE: AS SHOWN

JANUARY 2024

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STRUCTURE DRAWINGS



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GENERAL CONSTRUCTION NOTES

1. GENERAL NOTES:

- All materials in construction shall comply with the Building Code of Pakistan, ACI 318-14 and ASTM specifications.
- All plans, dimensions and site conditions must be checked and verified prior to construction. Any missings or omissions noted in the drawing or in rules and regulations, specification must be communicated in writing to the engineer.
- Any variations/changes in structural drawings if required due to architectural purpose, must be consulted with structural engineer in writing.

2. FOUNDATION NOTES:

- Raft foundation has been designed based on 0.55 TSF Soil Bearing Capacity as per Geo Technical investigation report.No.10571/GSK Dated September, 2023.
- Safety measures shall be ensured prior to excavation and excavated material must be removed from site.
- Any loose material, organic material or filled area must be reported to the structural engineer prior to placement of foundation.
- Site preparation shall be made by clearing the entire area and removing of Trees/Shrubs/vegetation, and buried structures should be removed in their entirety from beneath the proposed construction area.
- Excavated foundation bed should be leveled and free of any loose soil.
- Any loosened soil must be compacted prior to placement of foundation P.C.C.
- Construction of foundation must be completed immediately after completion of excavation, leveling and dressing to minimize potential
- Water stopper shall be provided at all corners of water retaining structure as per site requirements
- Site safety must be ensured during and after the excavation process and any machinery or moving loads shall not be permitted near the
- Minimum 28 days Concrete Compressive strength (f_c') for foundation work shall be 3000 psi.
- Grade-60 deformed round bars conforming to ASTM A-615 shall be used in foundation work.
- Shear keys in raft foundation shall be provided at intervals not less than 36" in both ways.
- An experienced geotechnical engineer must be involved for quality control of foundation work.
- An expert surveyor must be involved for demarcation of columns.
- Any additional excavation for sewerage or sanitation system must be consulted with structural engineer.



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TITLE:	ACADEMIC BUILDING	GENERAL CONSTRUCTION NOTES	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE:
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	
		Designed by: ENGR. ZARIF KHAN	Sheet No. S-01
		Drawn by: MUHAMMAD ILYAS	
			Scale: As indicated

3. GENERAL INFORMATION OF MATERIAL PROPERTIES:

- Concrete Mixed Design shall be performed for the required concrete strength and plant mixed concrete shall be used ensuring quality control..
- Minimum 28 days cylinder crushing strength of reinforced concrete in beam, columns, slab and stair shall be 3000 psi.
- Steel reinforcement for foundation, columns, beams, slabs, retaining wall, raft, and lift wall shall be Grade-60 deformed round bars conforming to ASTM A-615.
- Compressive strength of first class concrete blocks/brick shall be at least 1,500 psi with actual dimensions of 8-5/8 in \pm 1/8 in
- In superstructure, the cement sand mortar ratio (1:5) shall be used in brick/block masonry works.
- In plaster, the cement sand ratio (1:4) shall be used.
- Water mixed mortar/concrete shall be used within 45 minutes of mixing.
- Admixture shall be used in mortar/concrete with the consultation of designer/technical expert only.
- In Substructure and superstructure, English bond shall be adopted in brick / block masonry walls.
- Minimum clear spacing between parallel bars in beam/columns shall be "db" but not less than 1in including lap splice zone.
- Lap splices shall not be used within a distance equal to 2h (twice the member depth from column or beam face).
- Lap splices in columns shall be provided in mid center as per table given.
- Ties/Stirrups in beams, columns and lintels shall be provided with 135° hooks and with an extension of 6db or 3in whichever is greater.
- Hooks and bends shall be provided at all concrete connection area & terminal bars of beam and slabs
- Ties of columns and stirrups of beams shall be continued at beam / column crossing area (beam columns connection)
- Distance between parallel bars (vertical layers) in beams shall be one inch.
- Ties/stirrups in column/beam should be continued in connection/joint area.
- Standard hook of 90° (12 db) along with development length as per table given should be provided to all terminal bars.
- R.C.C beams and columns shall be provided at windows openings and lintel level of window and doors as per drawings provided
- Curing of concrete shall be continued for at least 7 days of curing.
- Mortar joint for brick / block masonry wall shall be 3/8" to 1/2".
- An experienced engineer must be involved in construction work for quality control and quality assurance.
- Any changes in structural drawings/design must be consulted in writing with structural engineer.
- GI wire mesh (18" swg. 3/4x3/4) shall be applied on brick/block masonry work, near beam and columns area upto 18" wide

MINIMUM CLEAR COVER	
• Column/Beam	1.5"
• R/wall. Shear wall	1.5"
• Footing	3"

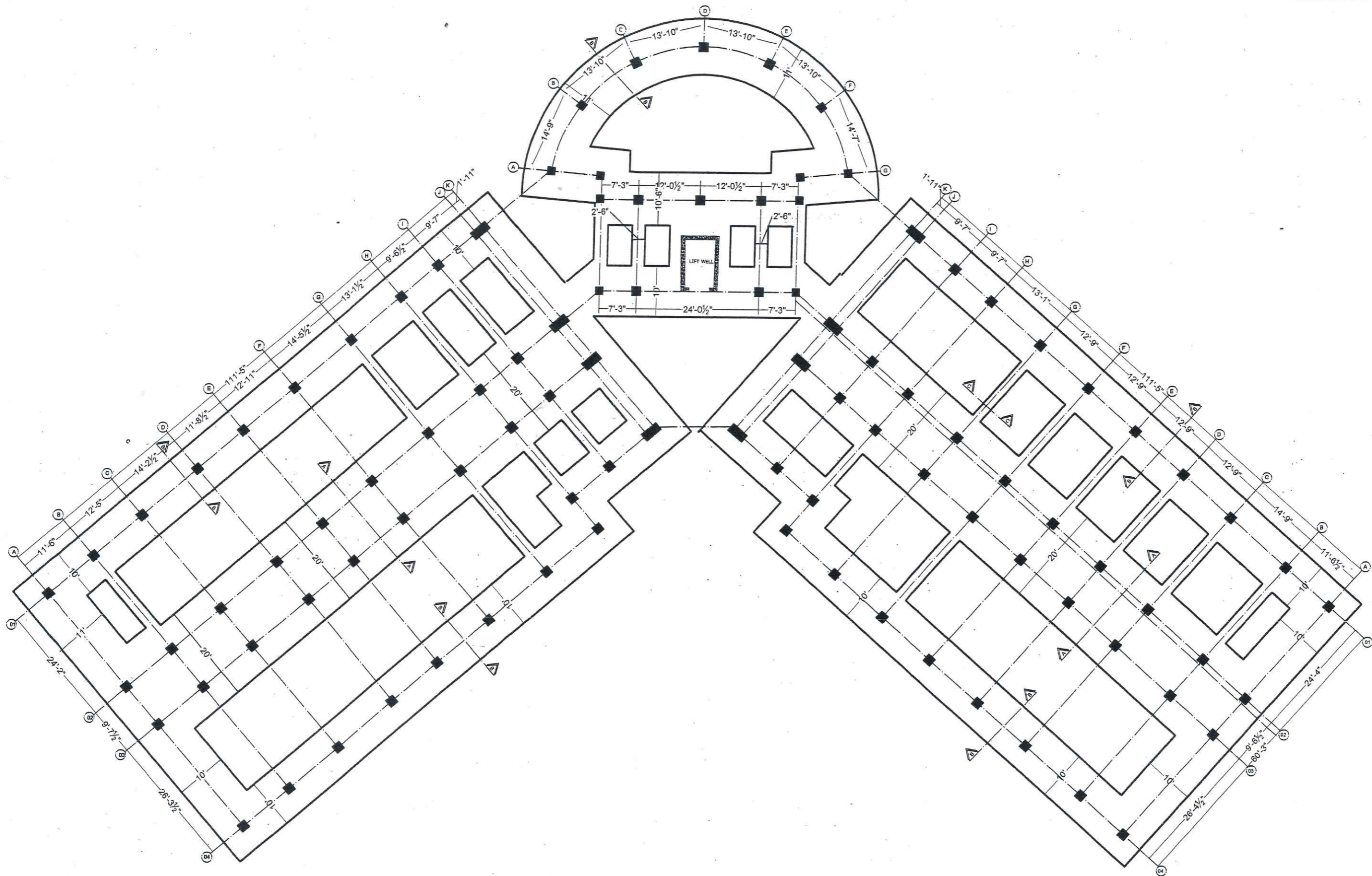
SPLICE LENGTH MINIMUM SPLICE LENGTH f _c =3000, and f _y =60,000 psi			
• BAR DIA	SLAB	COLUMN	BEAM/WALL
• 1/2"	30"	---	28"
• 3/4"	-	45"	42"

DEVELOPMENT LENGTH DEVELOPMENT LENGTH f _c =3000, and f _y =60,000 psi	
• BAR DIA	WITH STANDRD HOOK OF 90°
• 1/2"	9"
• 3/4"	13"




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TITLE:	ACADEMIC BUILDING	GENERAL INFORMATION OF MATERIAL PROPERTIES	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE:
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	Sheet No.
		Designed by: ENGR. ZARIF KHAN	S-02
		Drawn by: MUHAMMAD ILYAS	
			Scale: As indicated

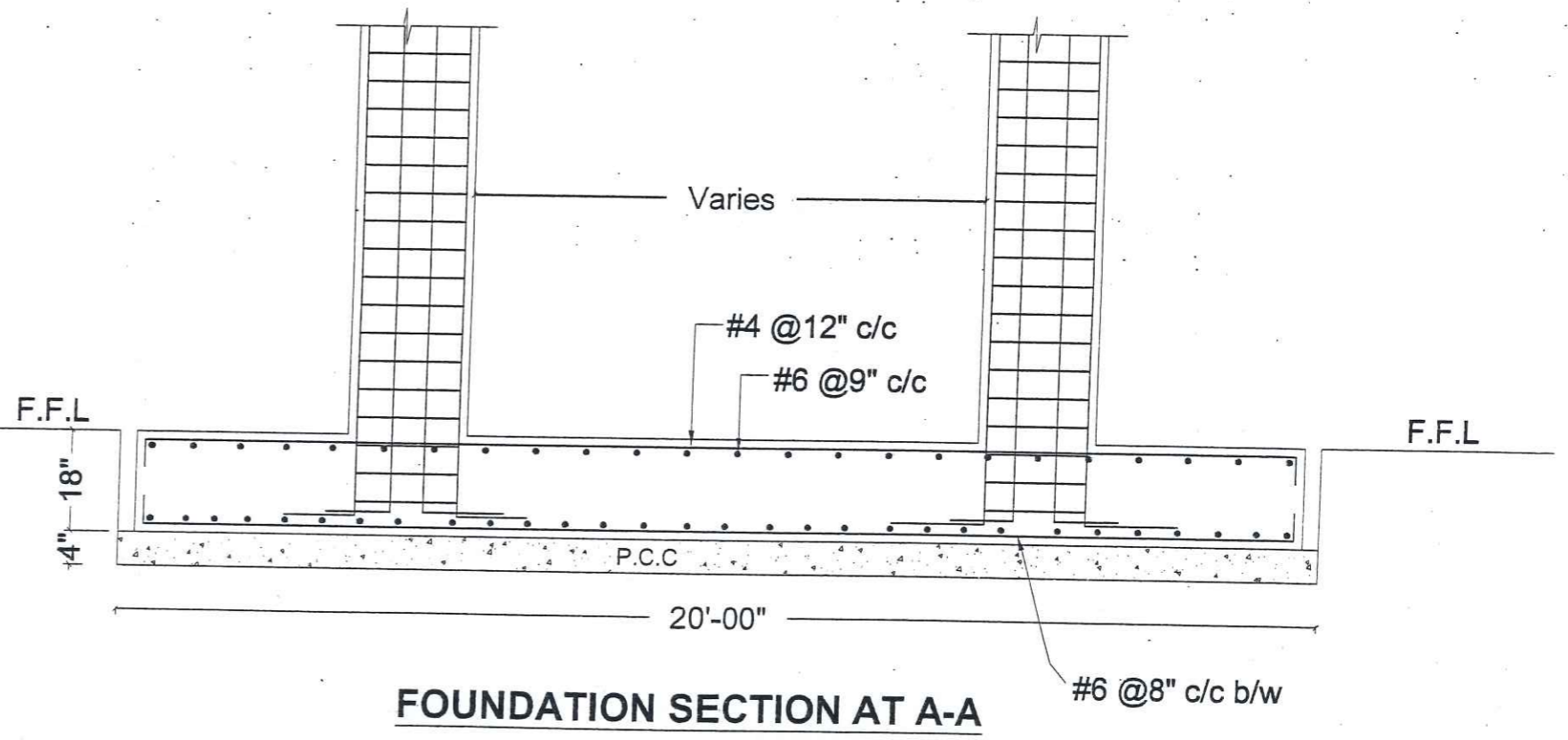
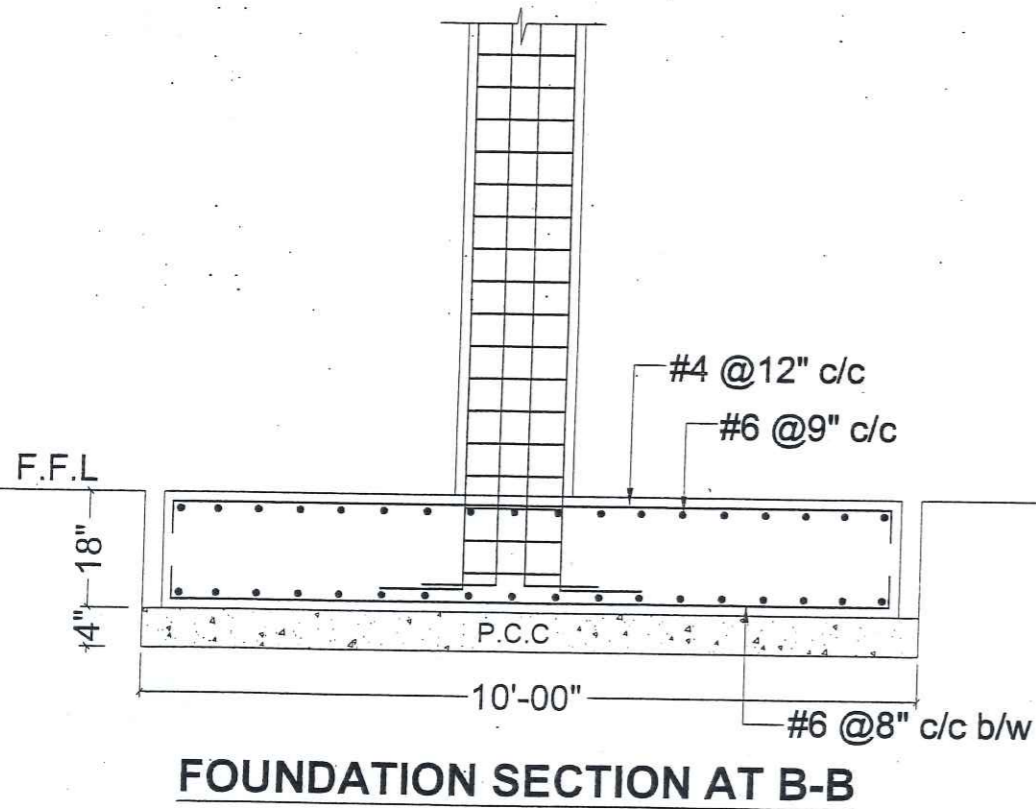
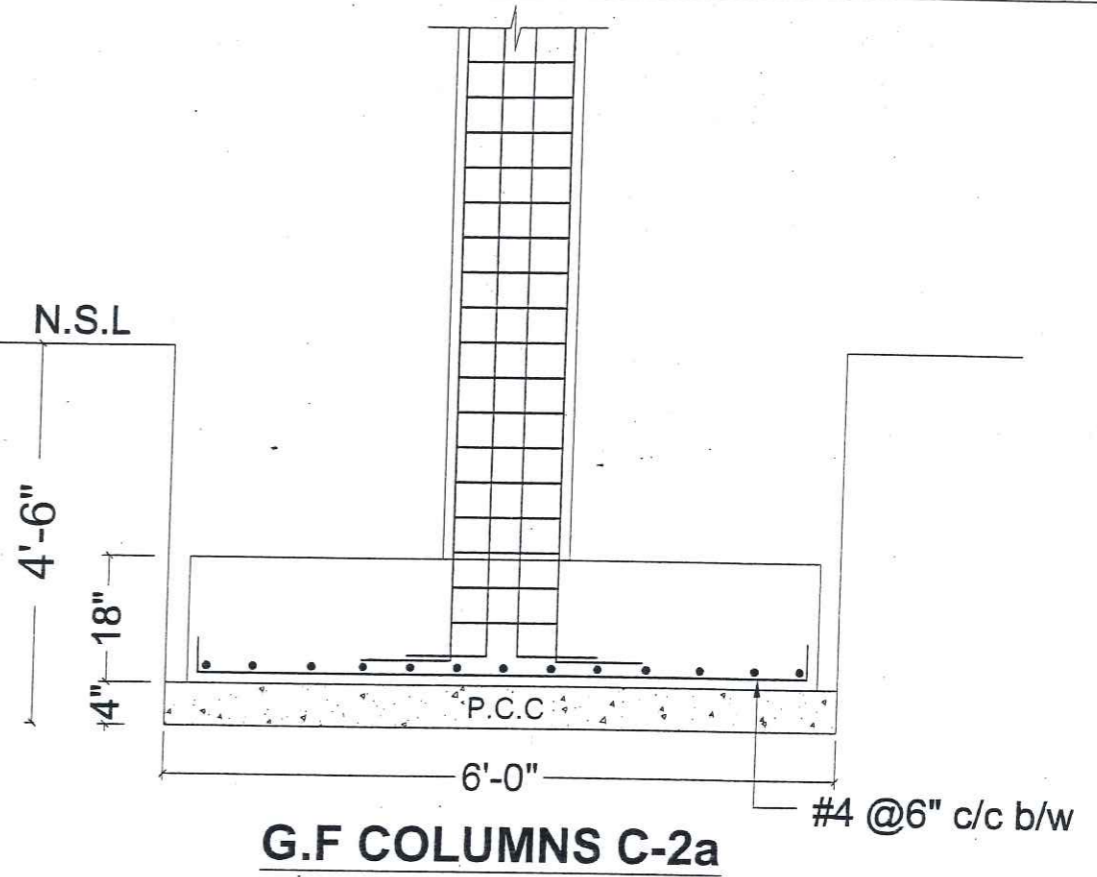
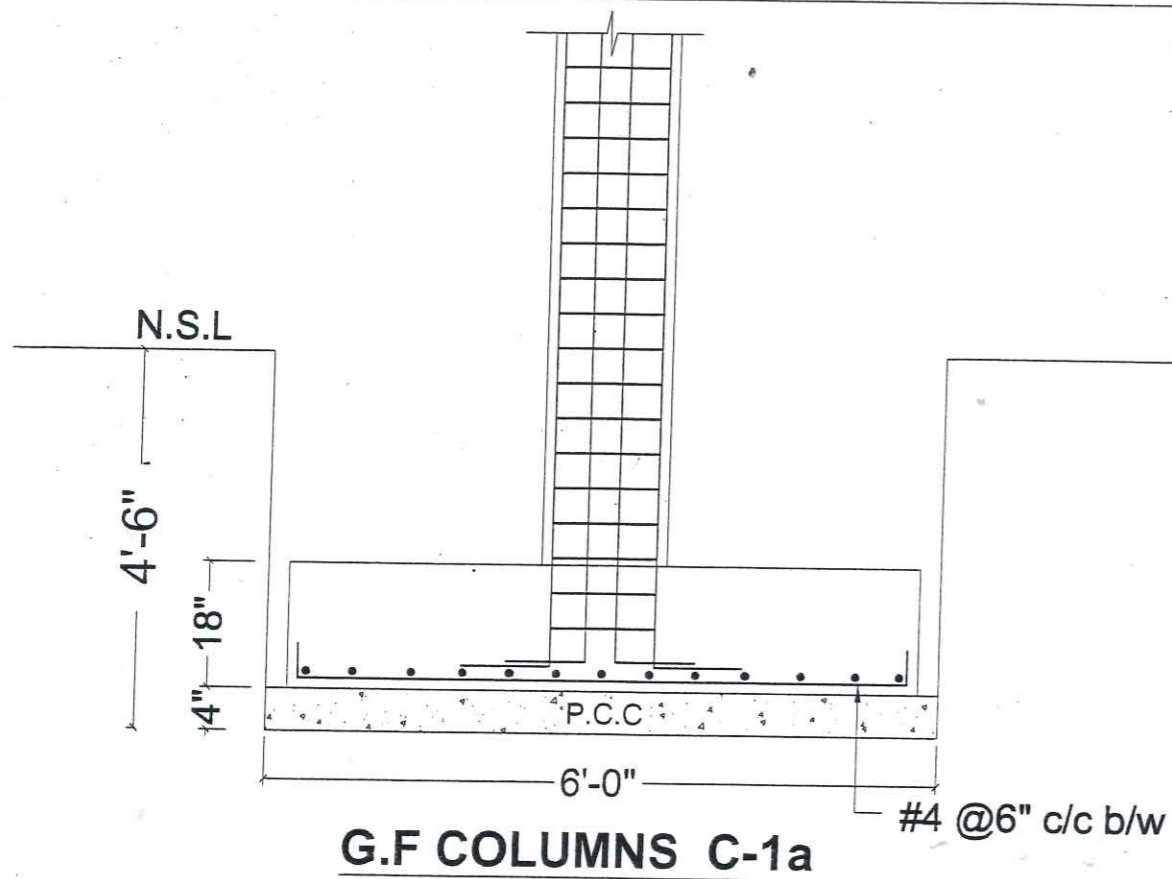


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PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING	BAEMENT FOUNDATION PLAN	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE: 
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	Sheet No. S-03
		Designed by: ENGR. ZARIF KHAN	Scale: As indicated
		Drawn by: MUHAMMAD ILYAS	



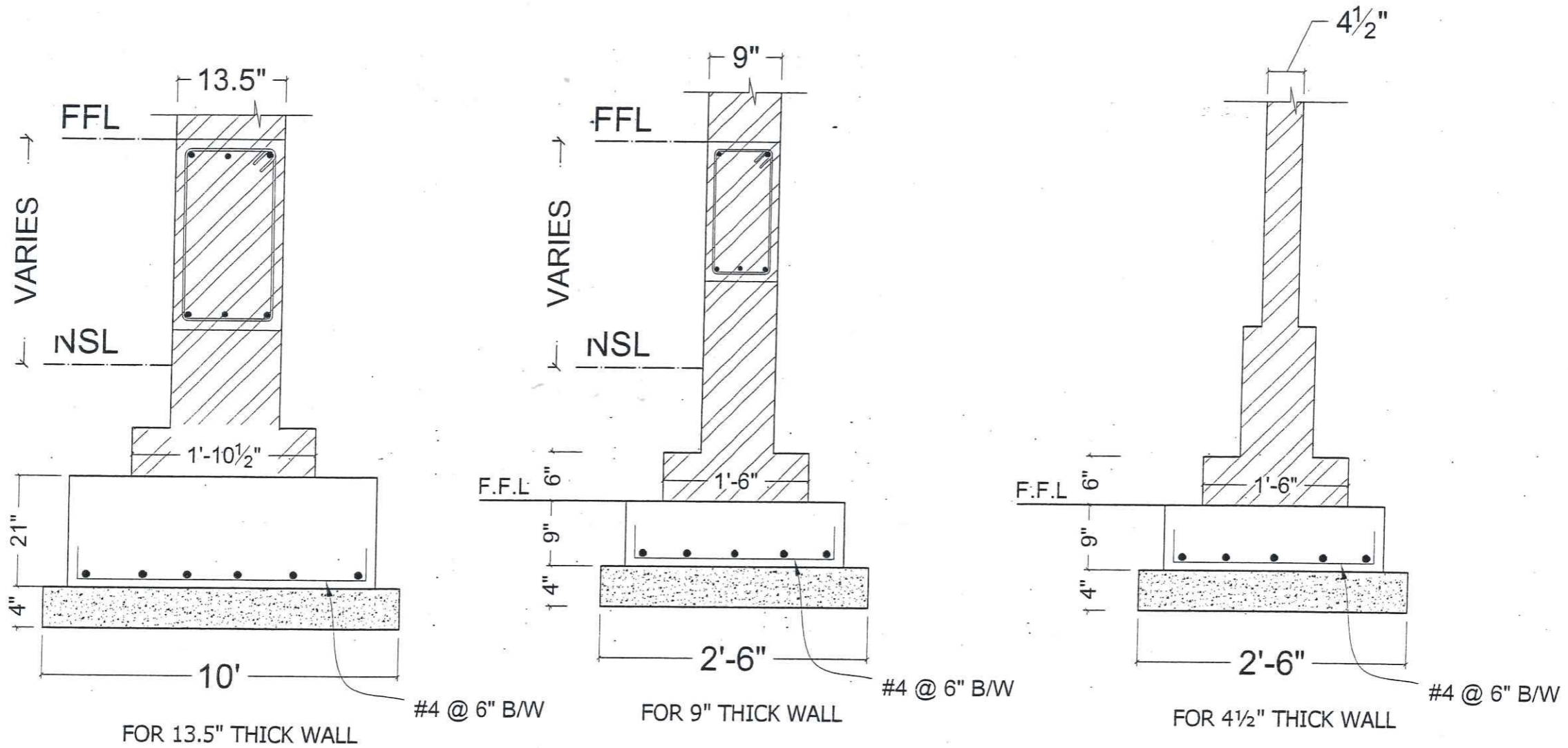


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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

FOUNDATION SECTION & DETAILS		ENGINEER'S SIGNATURE:	Sheet No.
Project Number:	0024	 	S-04
Date:	06-01-2024		
Designed by:	ENGR. ZARIF KHAN		
Drawn by:	MUHAMMAD ILYAS		
		Scale:	As indicated



NOTE: DETAILS OF BRICK MASONRY BELOW PLINTH BEAM

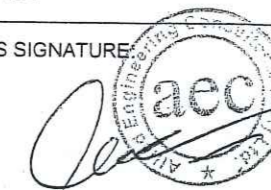
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PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

BRICK MASONRY FOUNDATION DETAIL

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

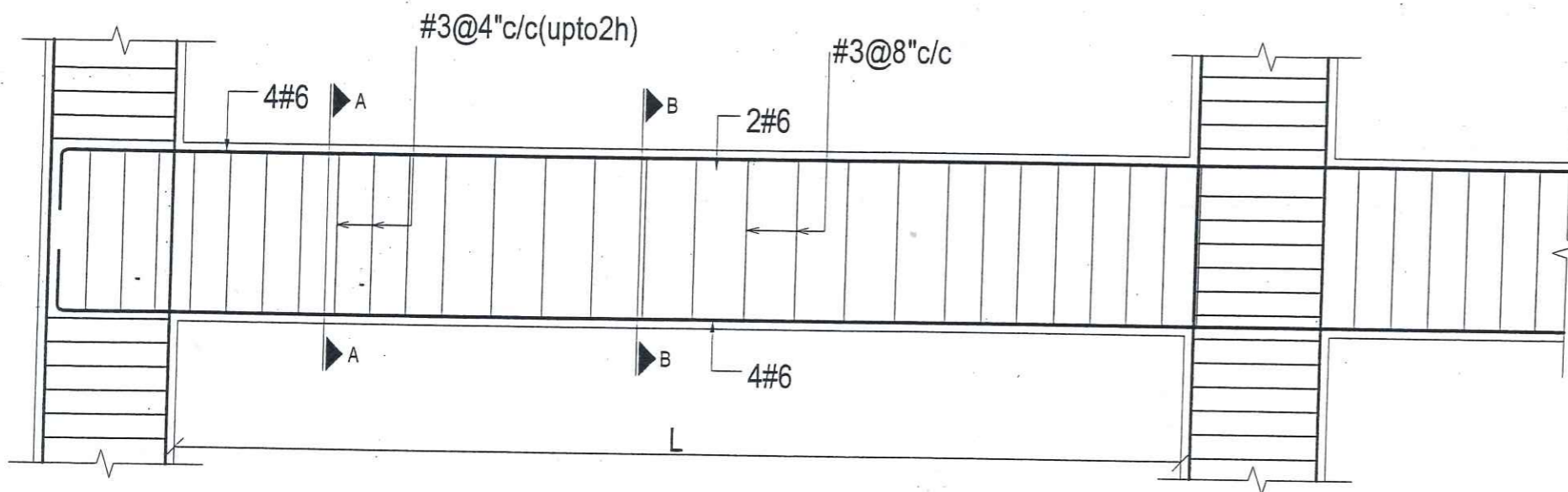
ENGINEER'S SIGNATURE



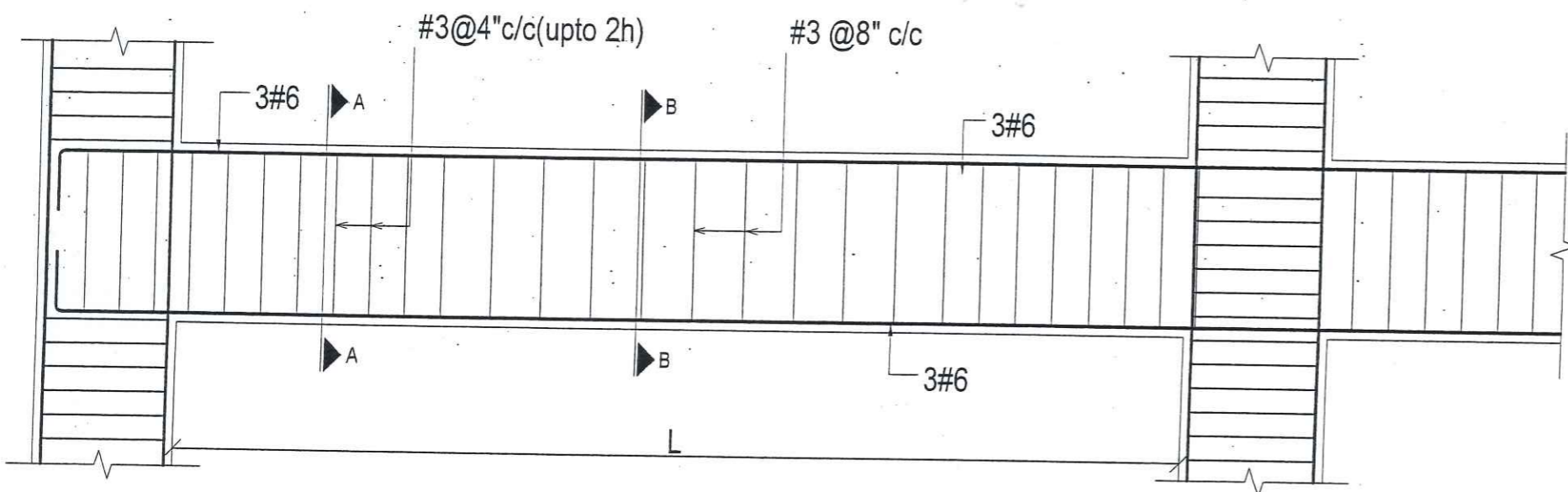
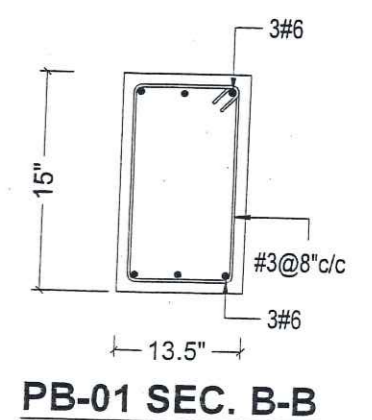
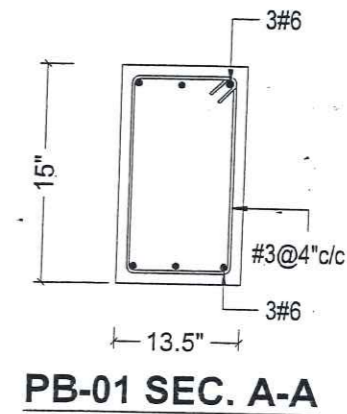
Sheet No.

S-05

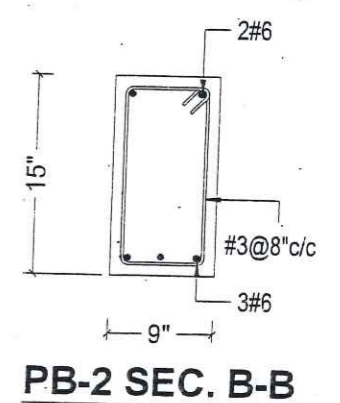
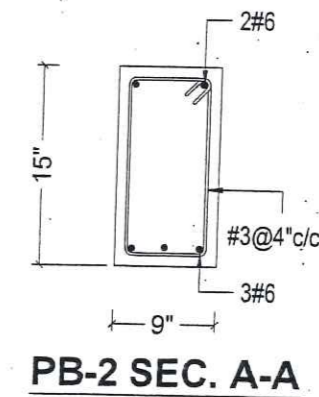
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PLINTH BEAM (PB-1)



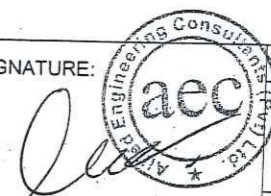
PLINTH BEAM (PB2)

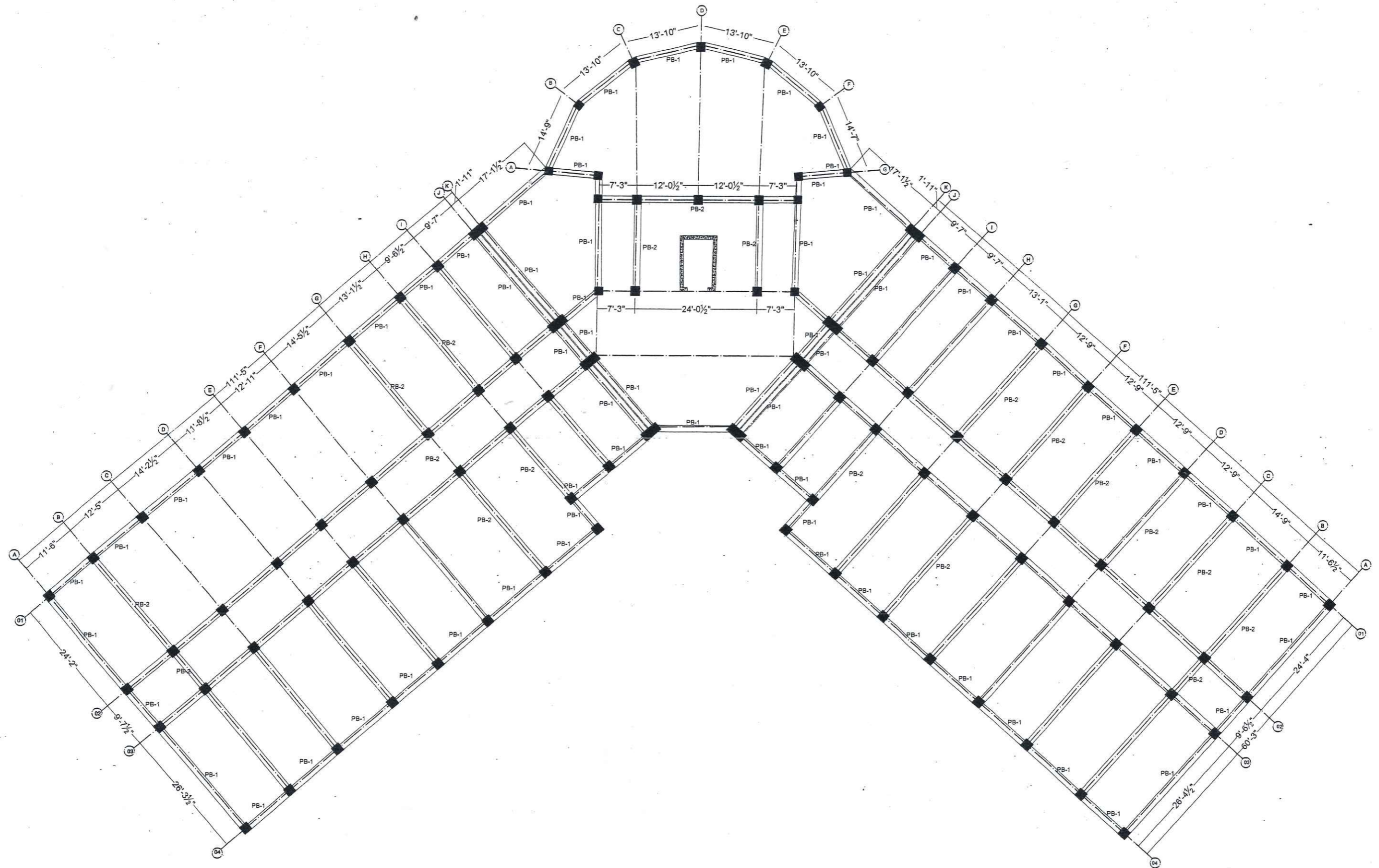


NOTE: BRICK WALLS OF 13.5" AND 9" SHOULD BE PROVIDED BELOW PLINTH BEAMS AS PER DETAILS GIVEN

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TITLE:	ACADEMIC BUILDING	PLINTH BEAM SECTIONS	
CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	06-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
		ENGINEER'S SIGNATURE:	Sheet No.
			S-05
		Scale:	As indicated





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TITLE:

ACADEMIC BUILDING

PLINTH BEAM PLAN

CLIENT:

PROJECT:

ESTABLISHMENT OF WOMEN SUB-CAMPUS AT
BATKHELA UNIVERSITY OF MALAKAND

Project Number: 0024

Date: 06-01-2024

Designed by: ENGR. ZARIF KHAN

Drawn by: MUHAMMAD ILYAS

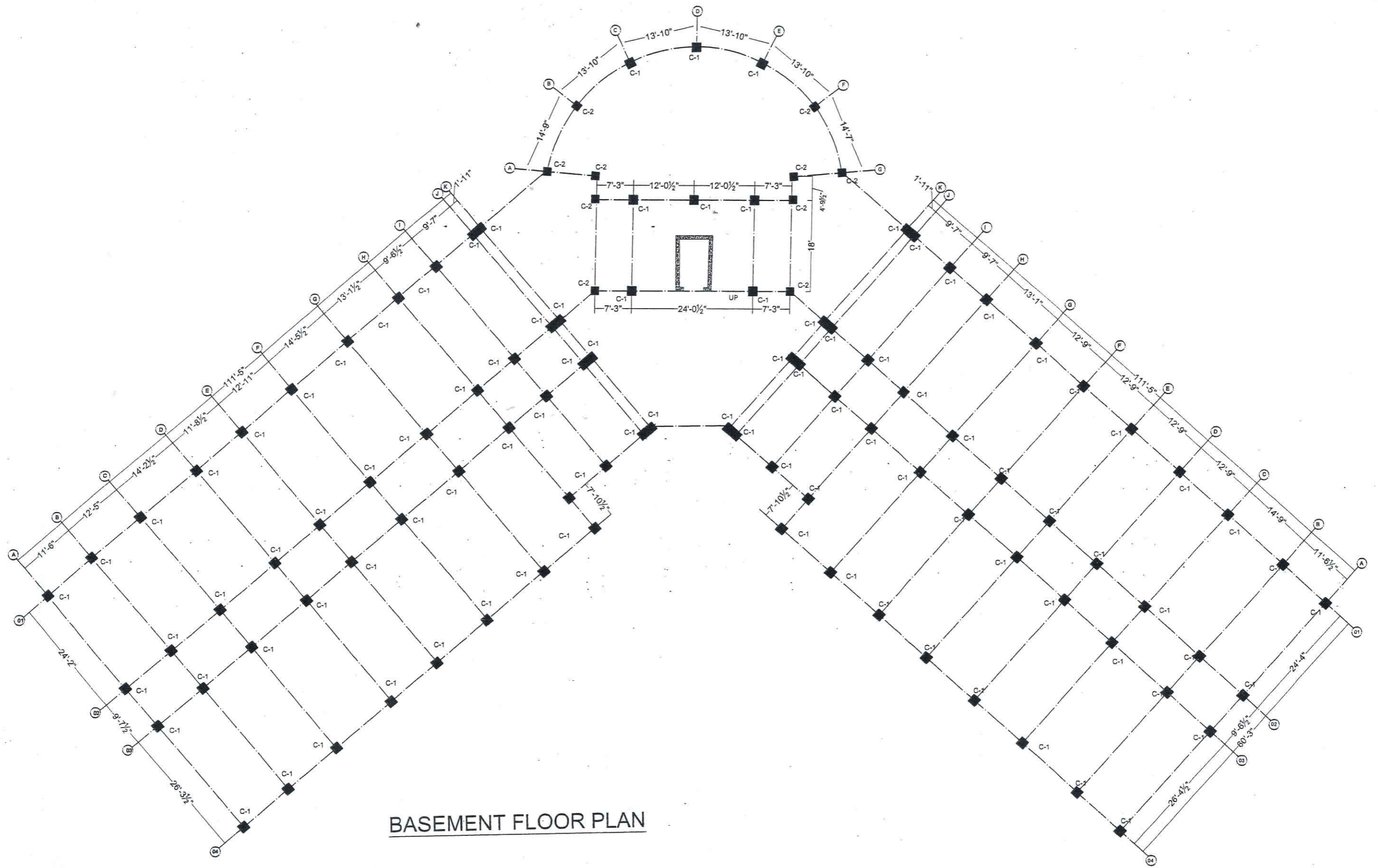
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Sheet No.

S-05

Scale:

As indicated

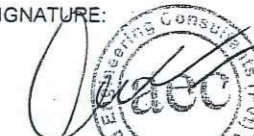



BASEMENT FLOOR PLAN

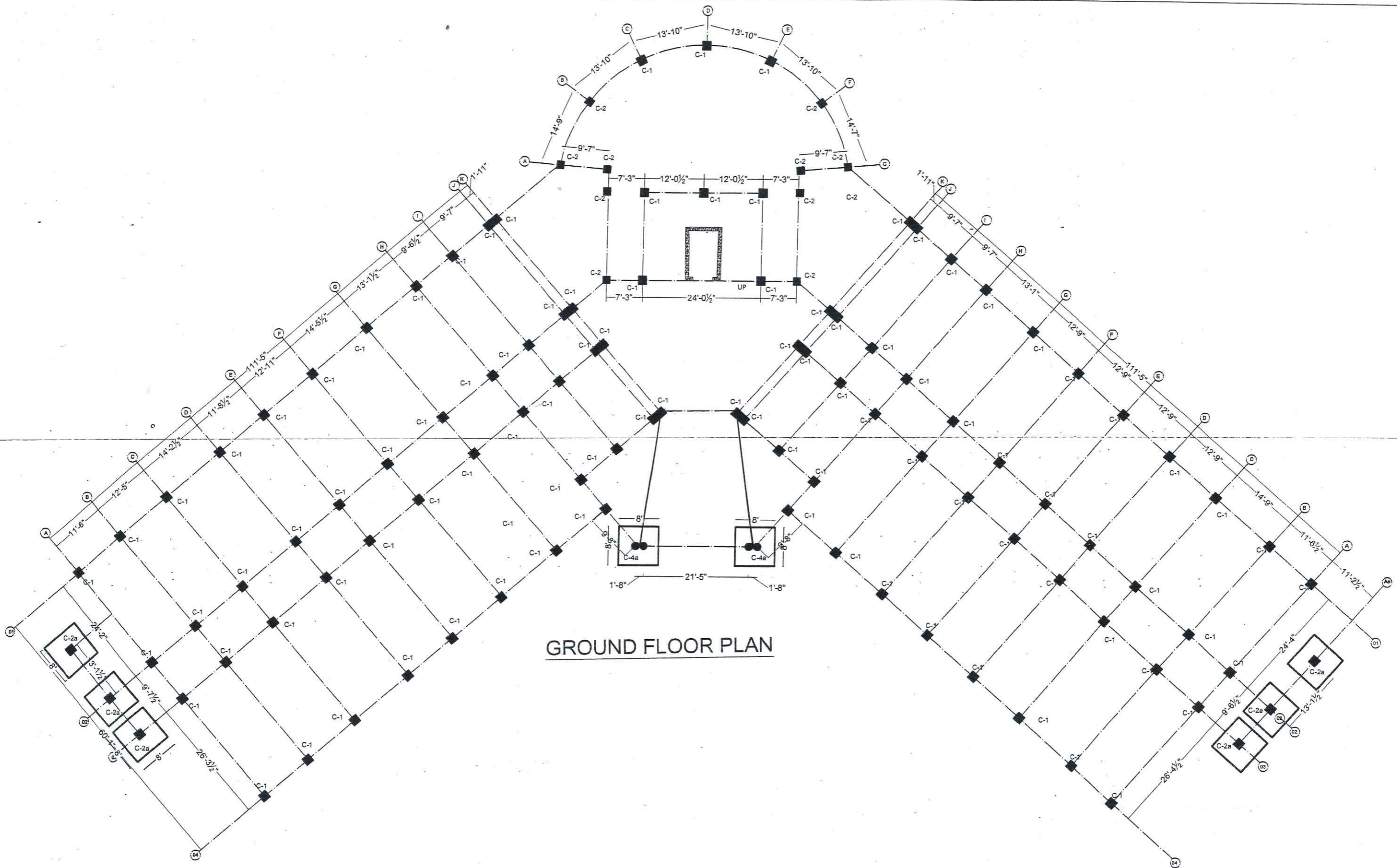
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ENGINEERS .
PLANNERS .
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

BASEMENT COLUMNS PLAN	
Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN.
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:





Sheet No.	S-06
Scale:	As indicated

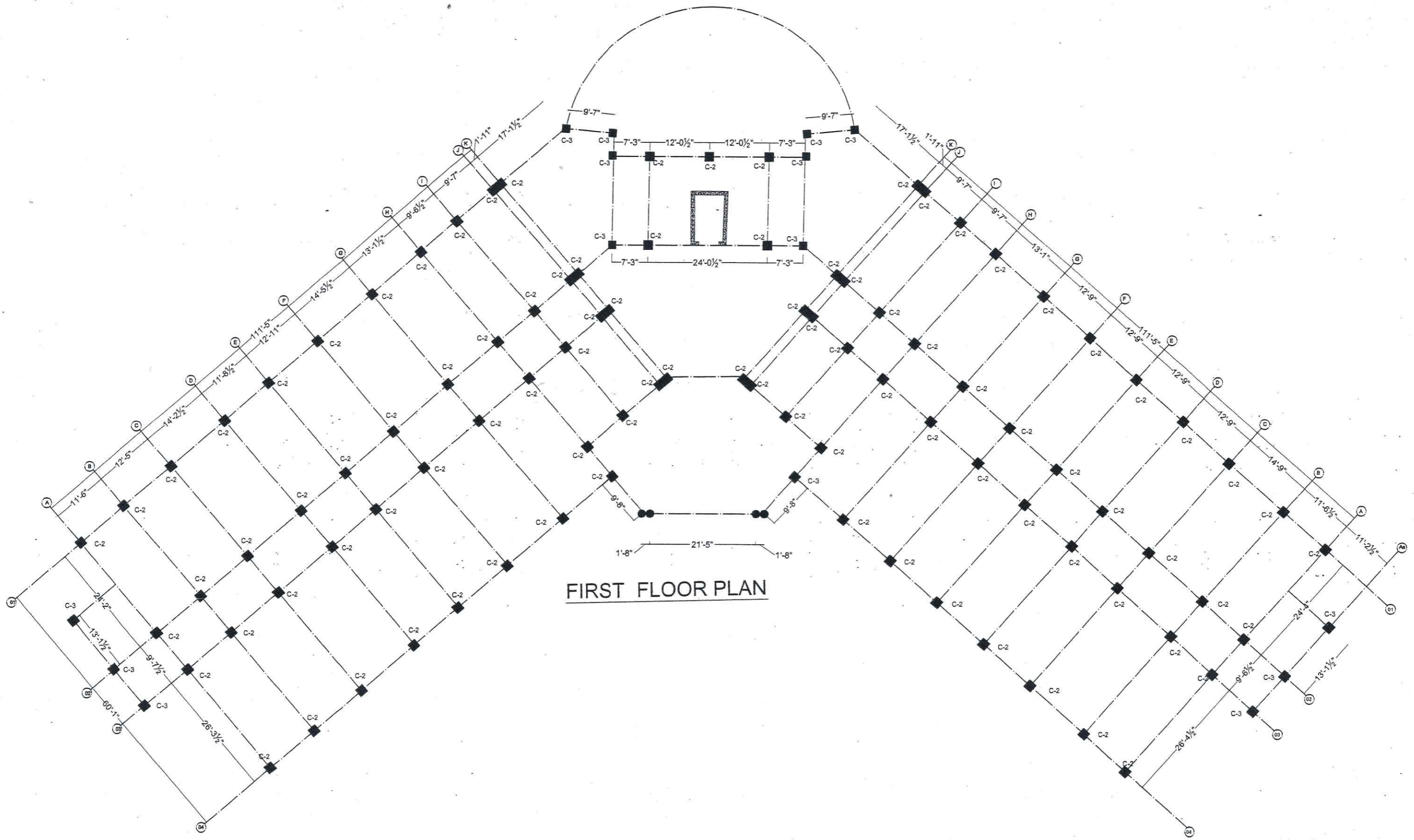


GROUND FLOOR PLAN

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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

GROUND FLOOR COLUMNS PLAN		ENGINEER'S SIGNATURE:  	Sheet No.
Project Number:	0024		S-07
Date:	06-01-2024		
Designed by:	ENGR. ZARIF KHAN		
Drawn by:	MUHAMMAD ILYAS	Scale:	As indicated



FIRST FLOOR PLAN

AEC ARCHITECTS .
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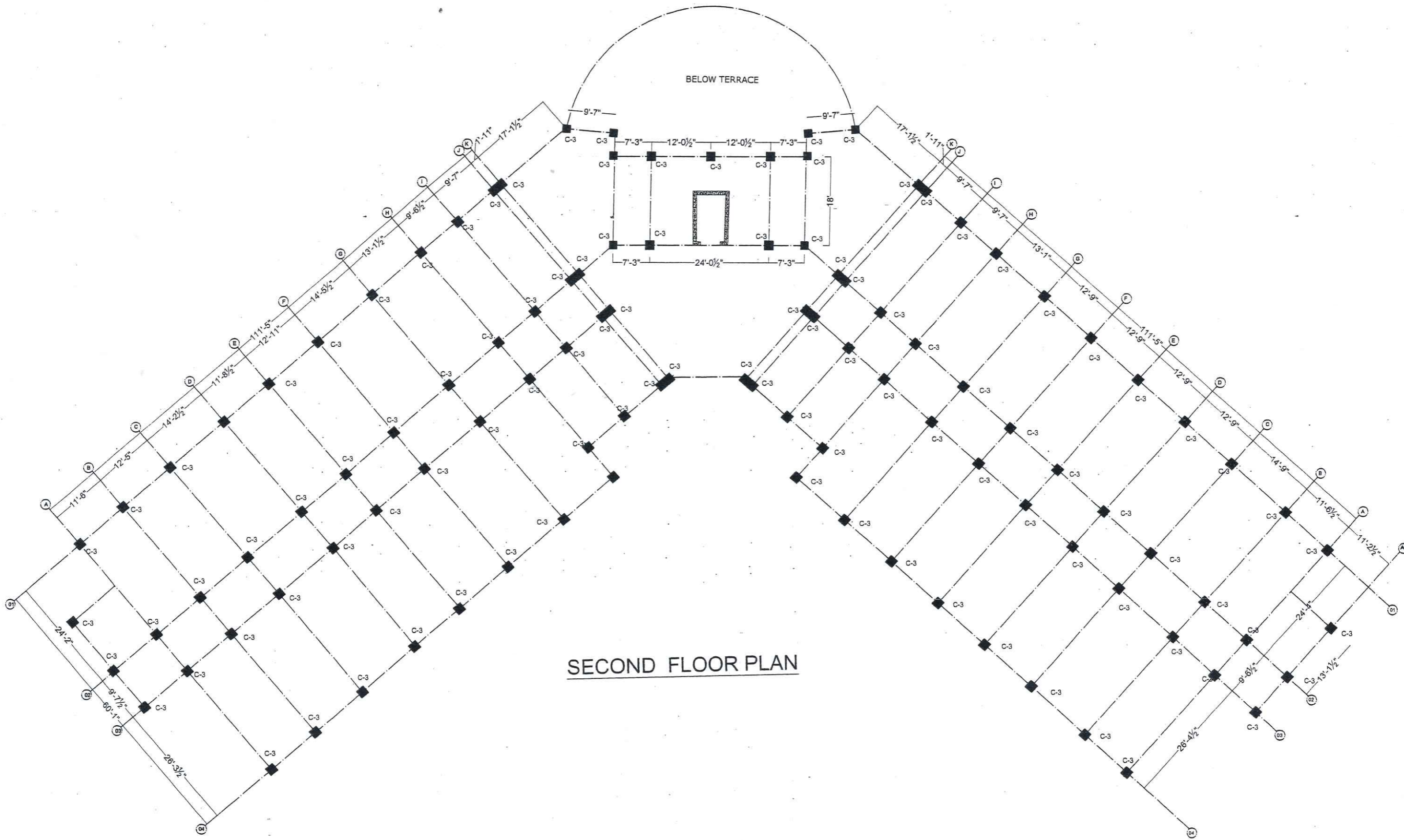
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

FIRST FLOOR COLUMNS PLAN	
Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:

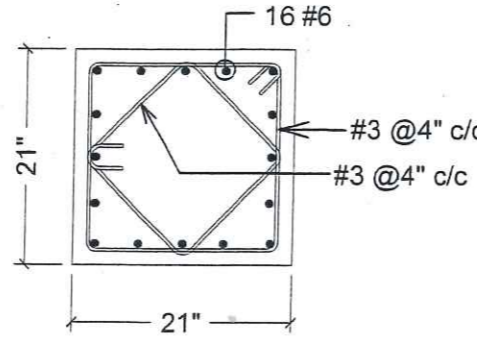
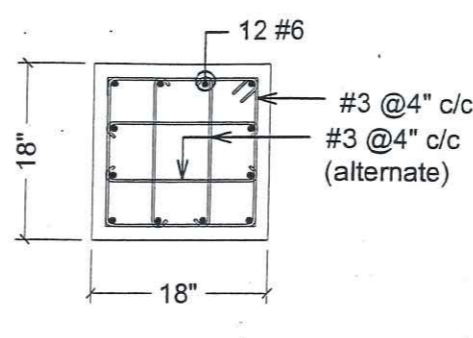
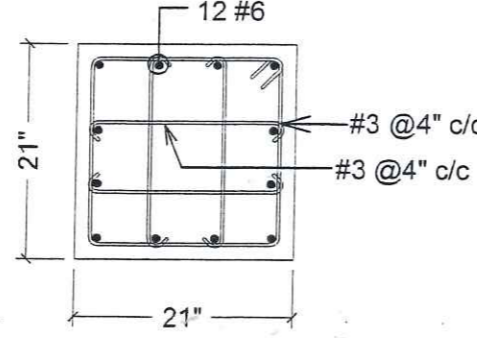
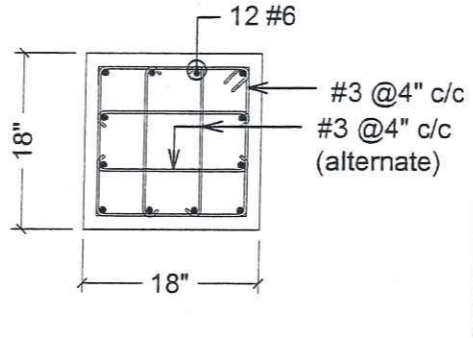
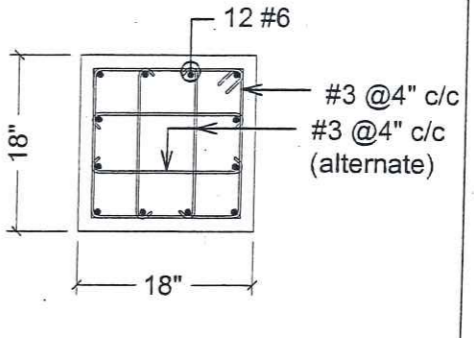
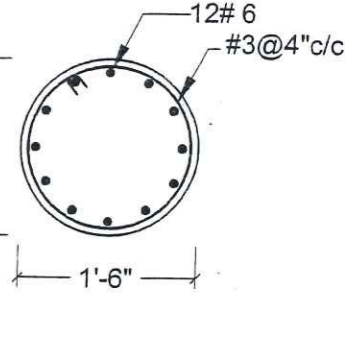
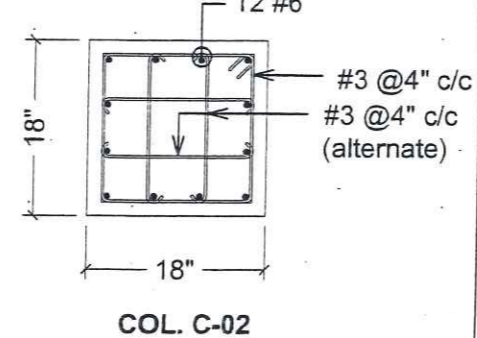
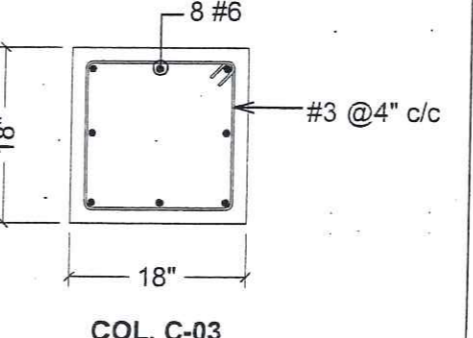
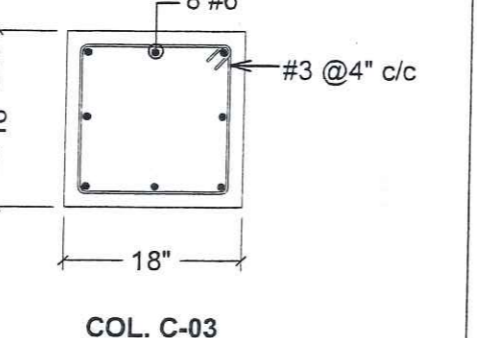
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Scale:	As indicated



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TITLE:	ACADEMIC BUILDING	SECOND FLOOR COLUMNS PLAN	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE:
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	
		Designed by: ENGR. ZARIF KHAN	
		Drawn by: MUHAMMAD ILYAS	
		Sheet No.	S-09
		Scale:	As indicated

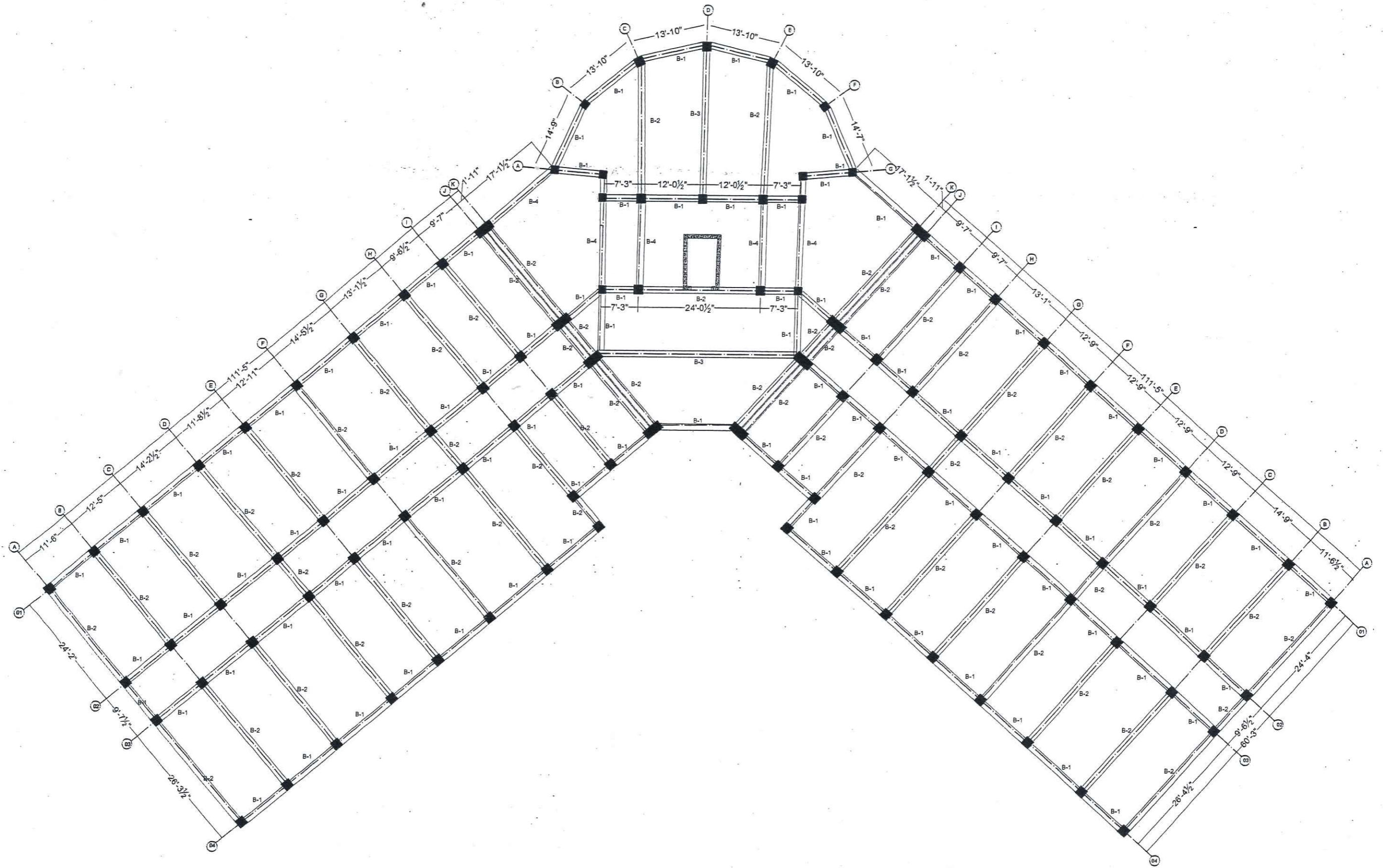
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<p style="text-align: center;">SECOND FLOOR</p>	 <p style="text-align: center;">COL. C-03</p>			



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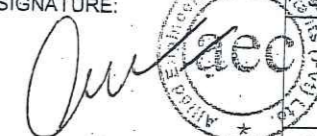
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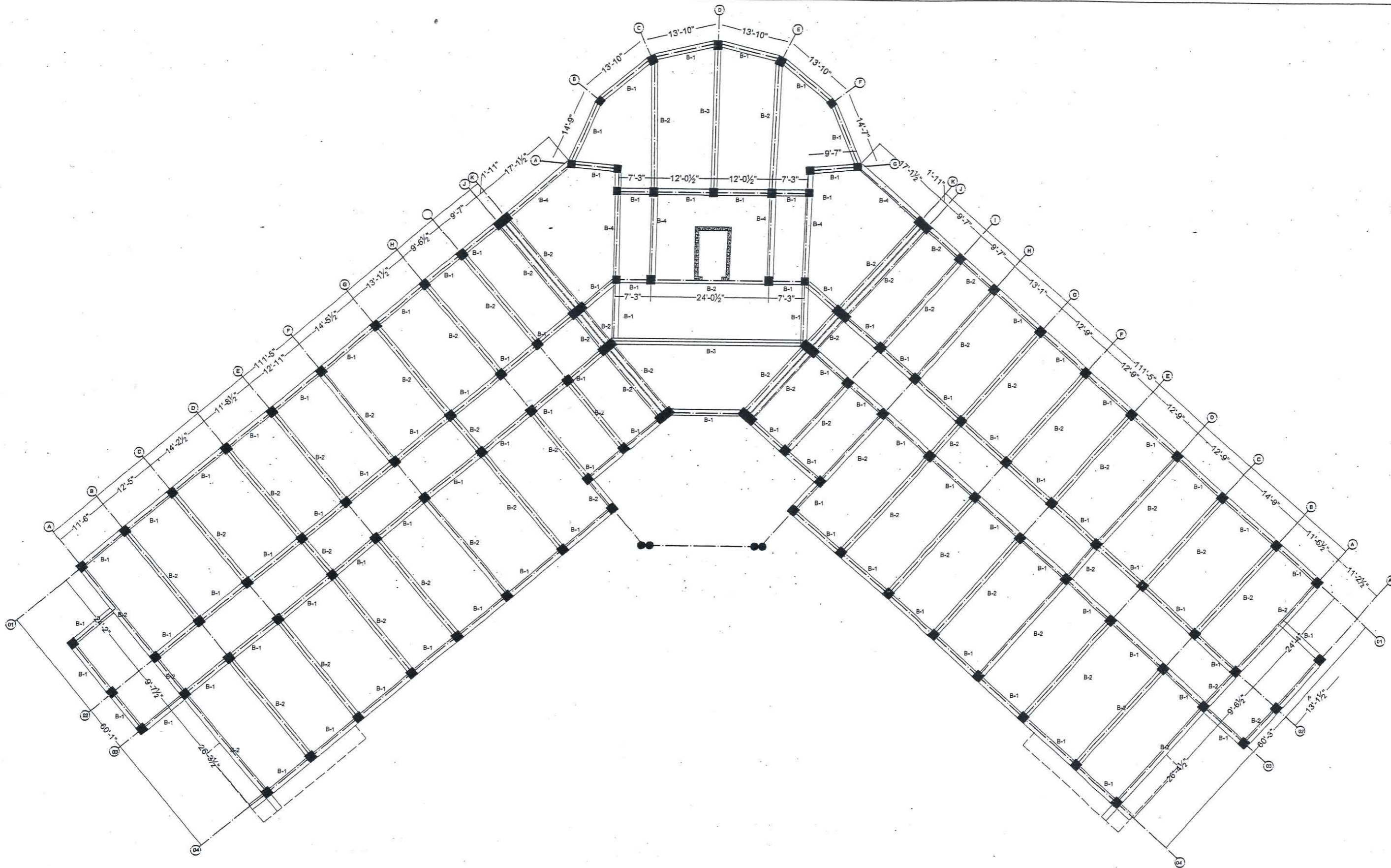
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<p>PROJECT:</p>	<p>ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND</p>	<p>Date: 06-01-2024</p>	<p>Sheet No.</p>
		<p>Designed by: ENGR. ZARIF KHAN</p>	<p style="text-align: center;">S-10</p>
		<p>Drawn by: MUHAMMAD ILYAS</p>	<p>Scale: As indicated</p>



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TITLE:	ACADEMIC BUILDING	BASEMENT BEAM PLAN	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE:  Sheet No.
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	S-11
		Designed by: ENGR. ZARIF KHAN	
		Drawn by: MUHAMMAD ILYAS	Scale: As indicated

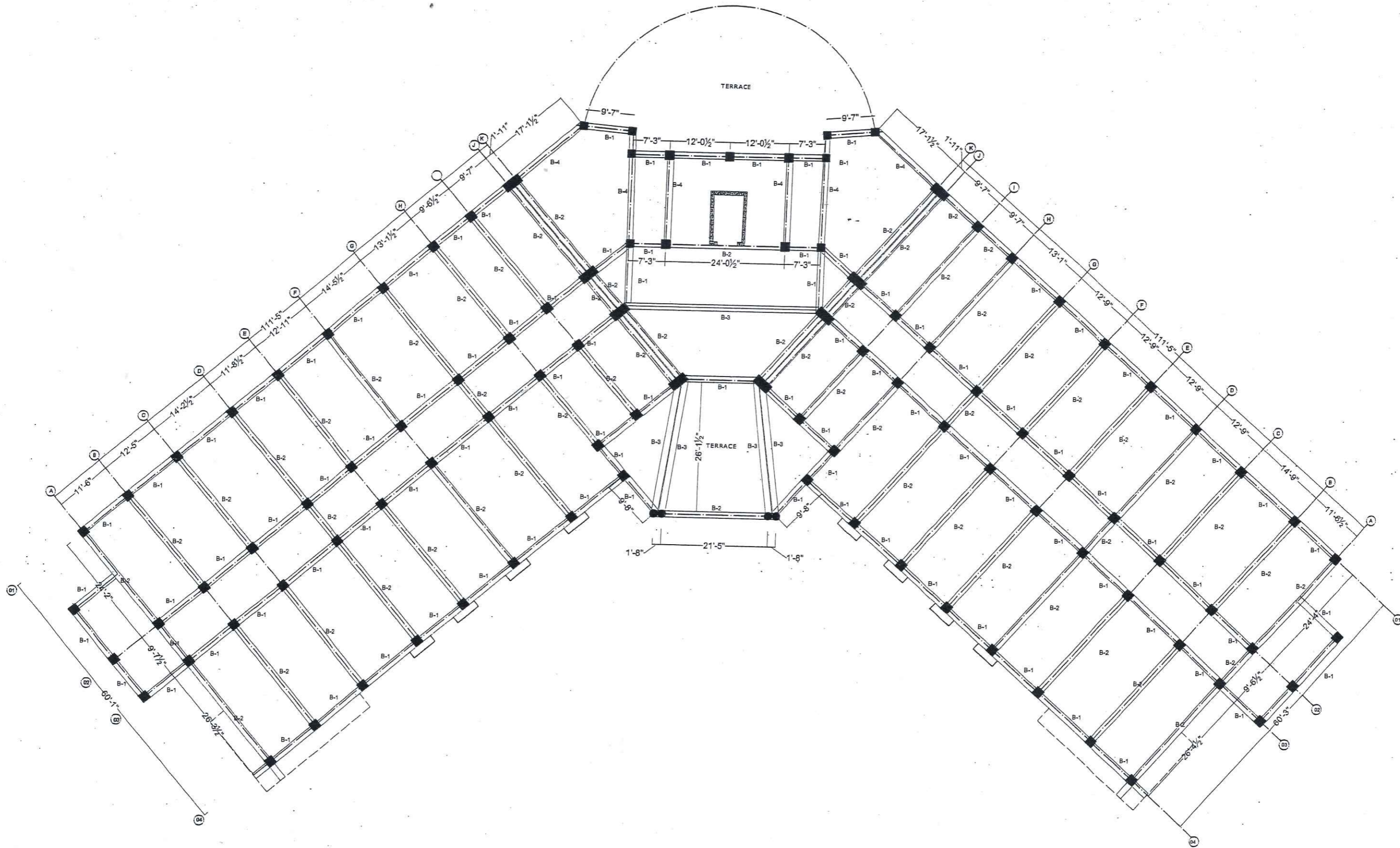


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TITLE:	ACADEMIC BUILDING	GROUND FLOOR BEAM PLAN	
CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	06-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
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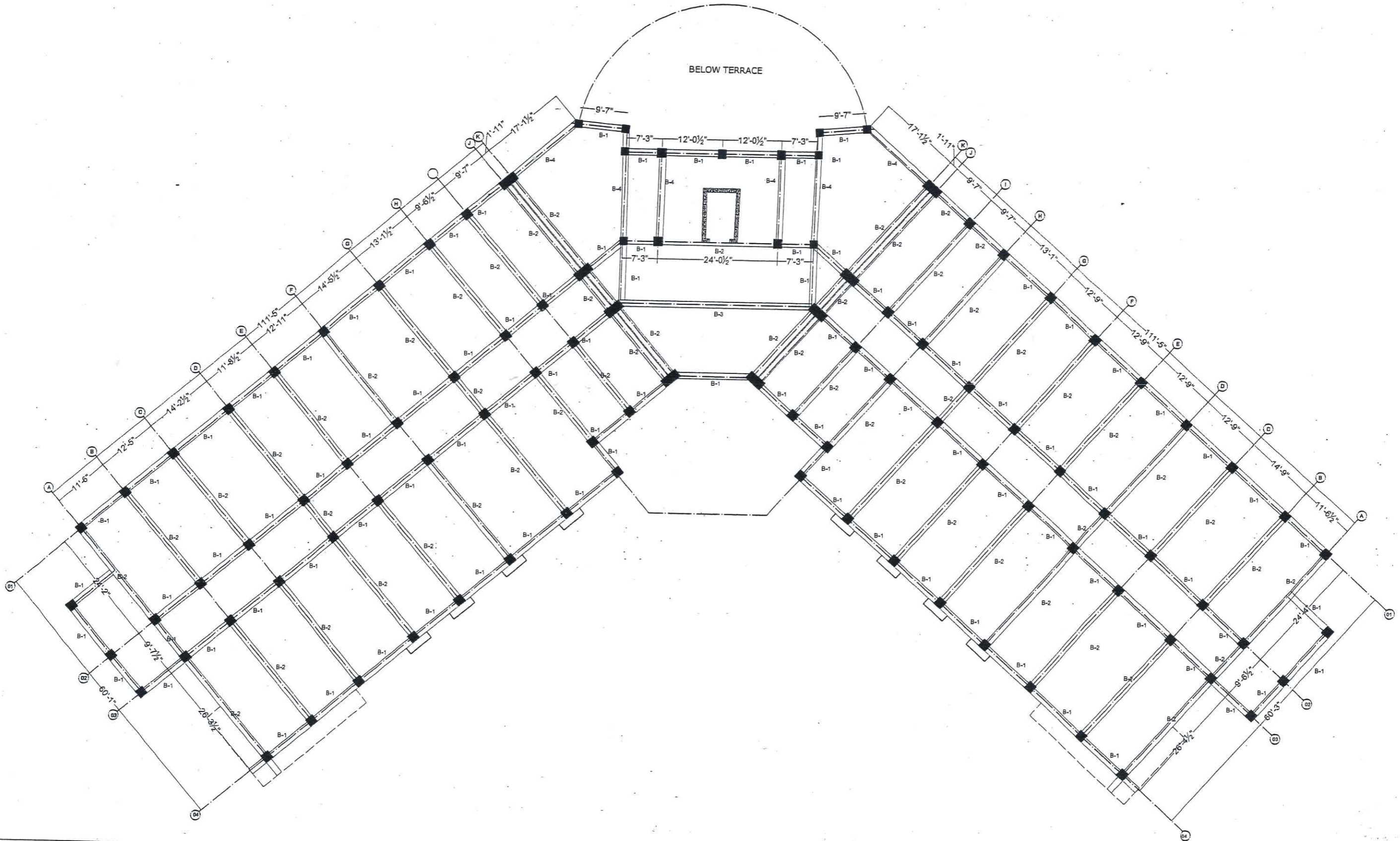


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TITLE:	ACADEMIC BUILDING	FIRST FLOOR BEAM PLAN	
CLIENT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Project Number:	0024
PROJECT:		Date:	06-01-2024
		ENGINEER'S SIGNATURE:	Sheet No.
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
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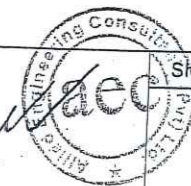
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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

SECOND FLOOR BEAM PLAN

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

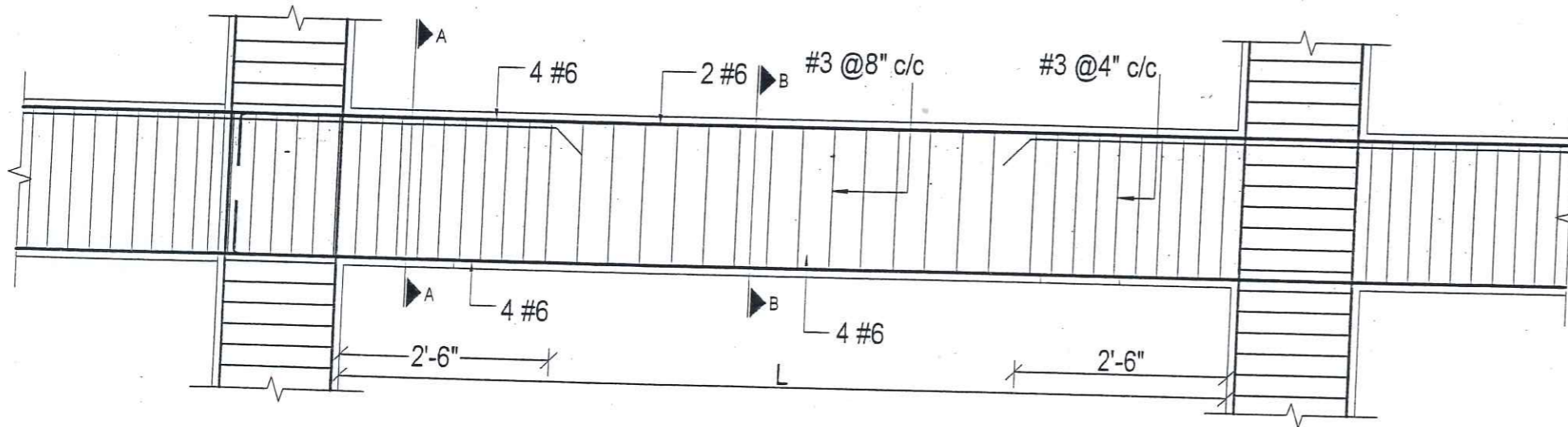
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Zarif Khan



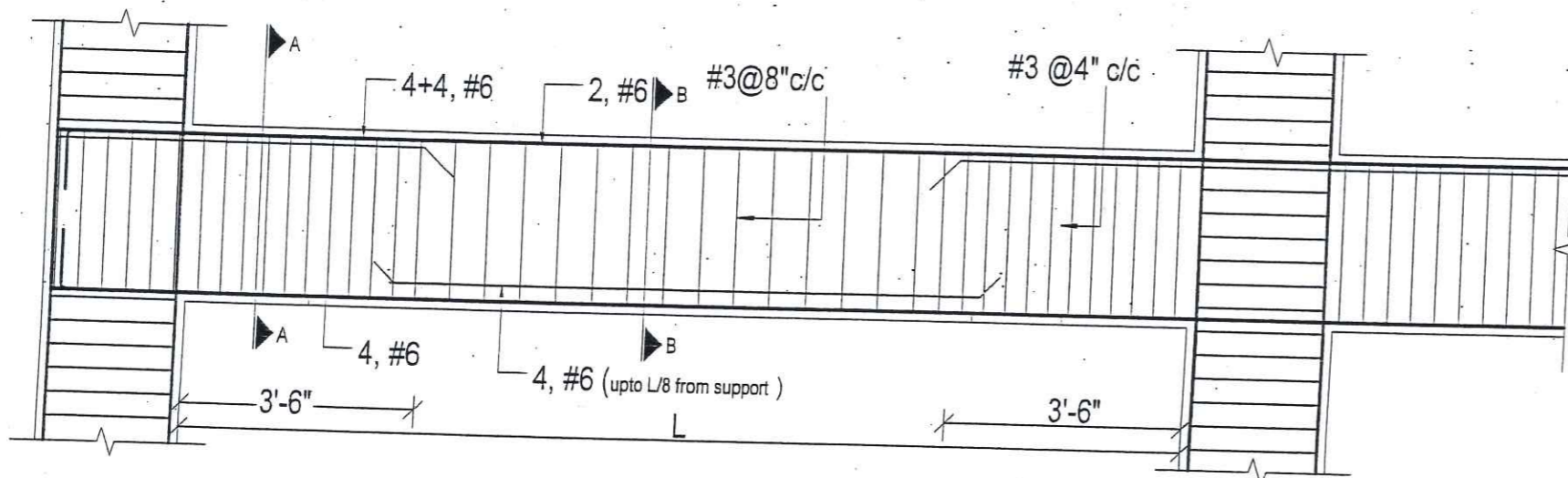
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S-14

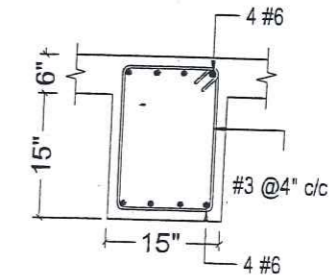
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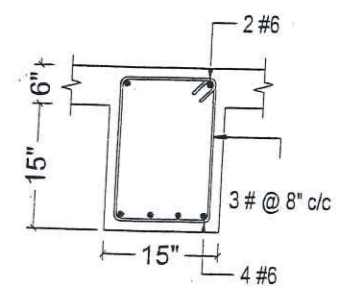
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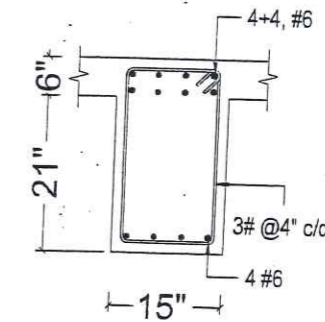
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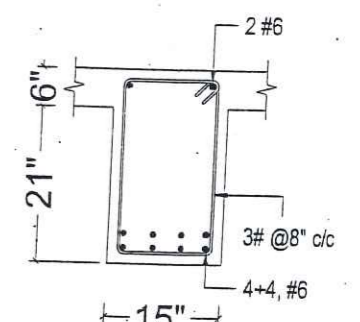
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B-1 SEC. B-B



B-2 SEC. A-A



B-2 SEC. B-B



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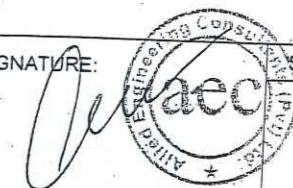
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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

BEAM SECTION DETAILS

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

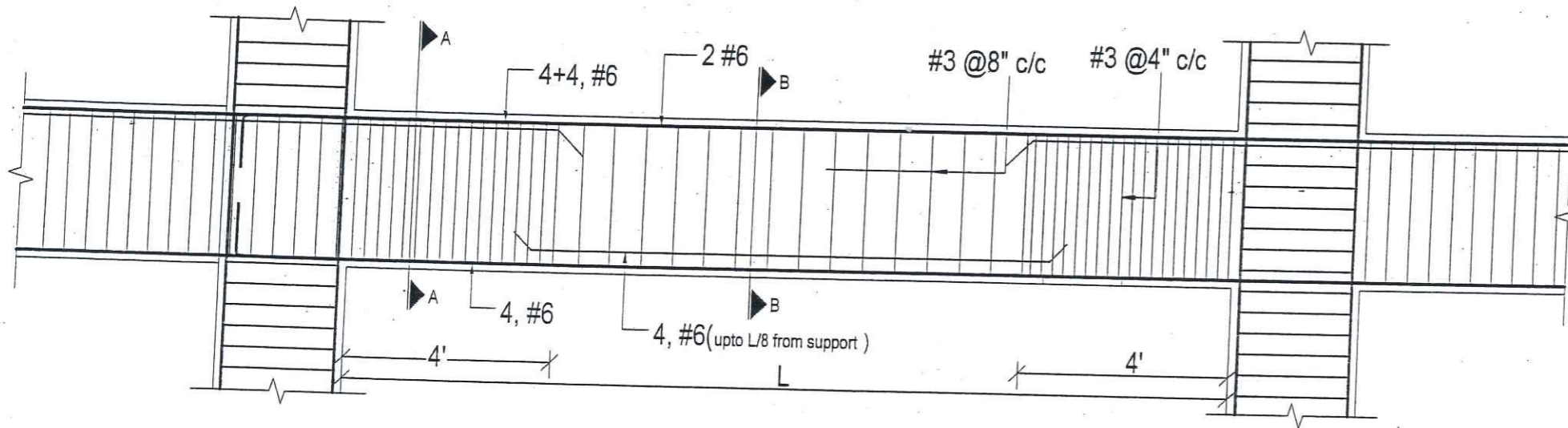
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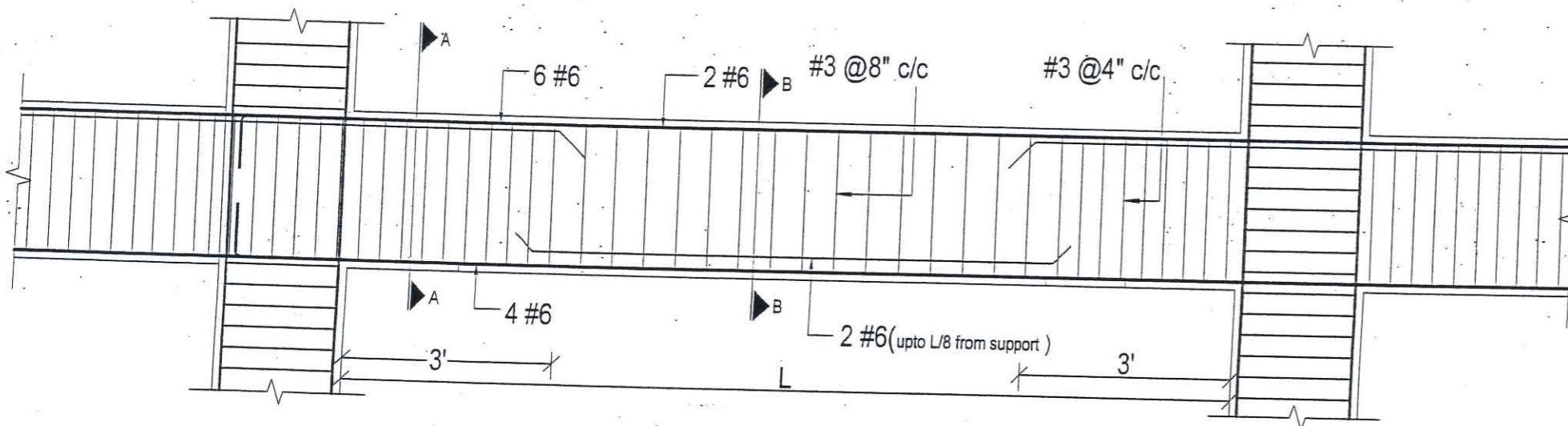
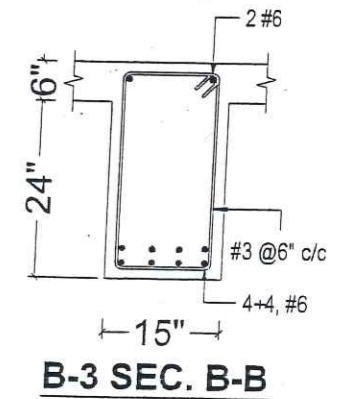
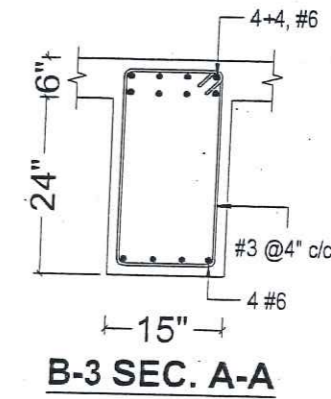
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S-15

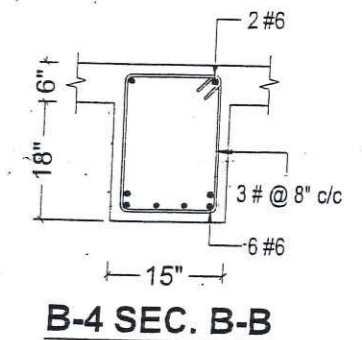
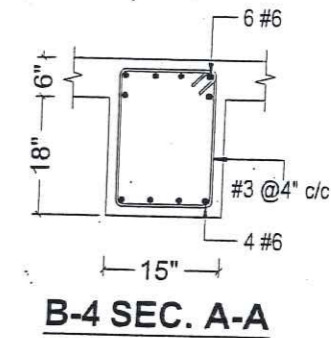
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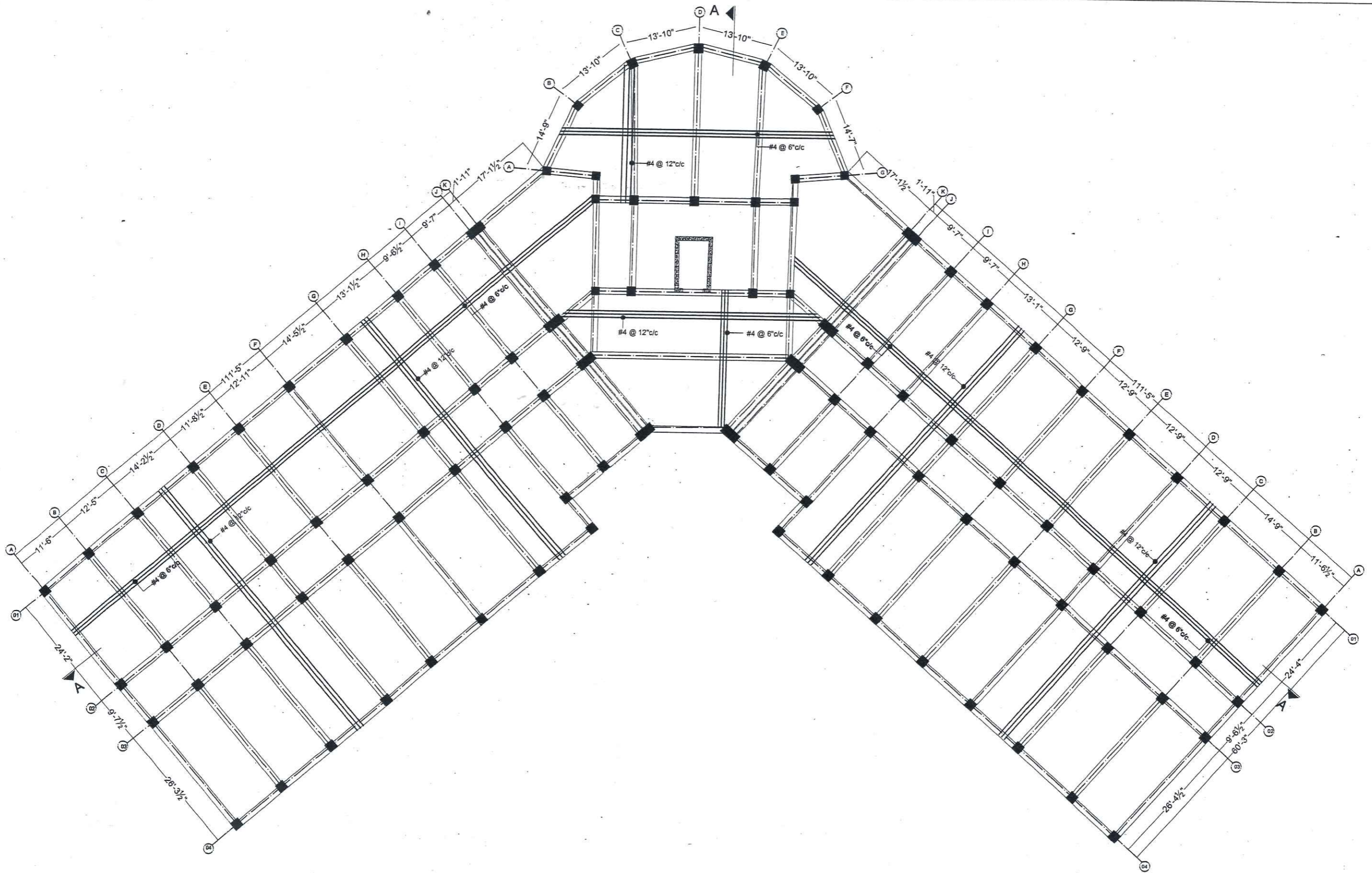


ROOF BEAM (B-4)



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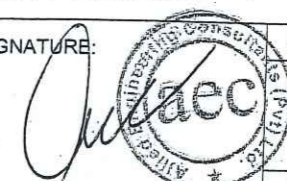
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CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	06-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
		ENGINEER'S SIGNATURE:	Sheet No.
			S-16
		Scale:	As indicated

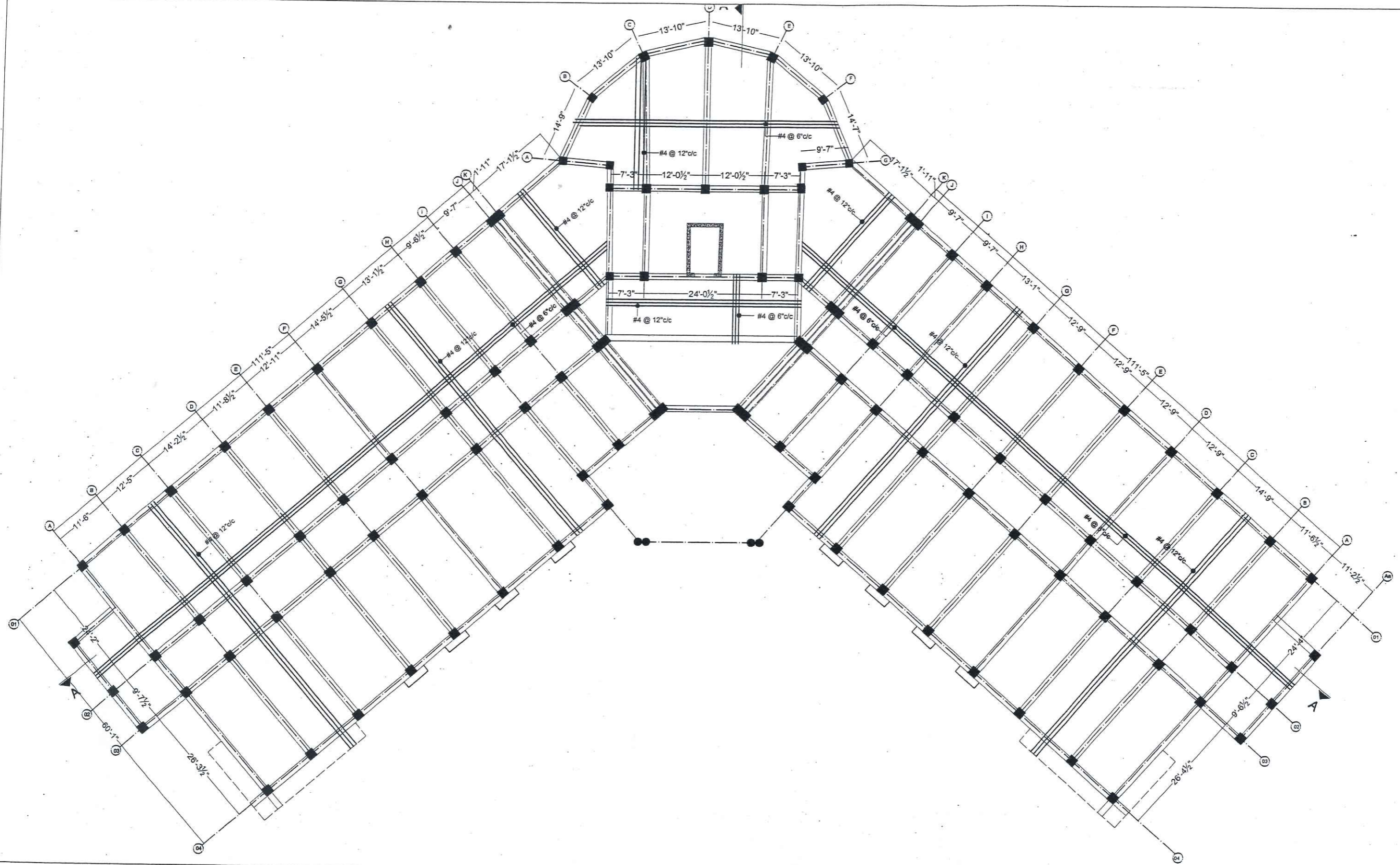


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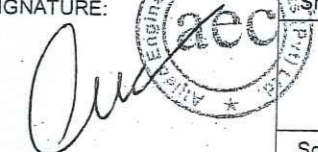
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CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

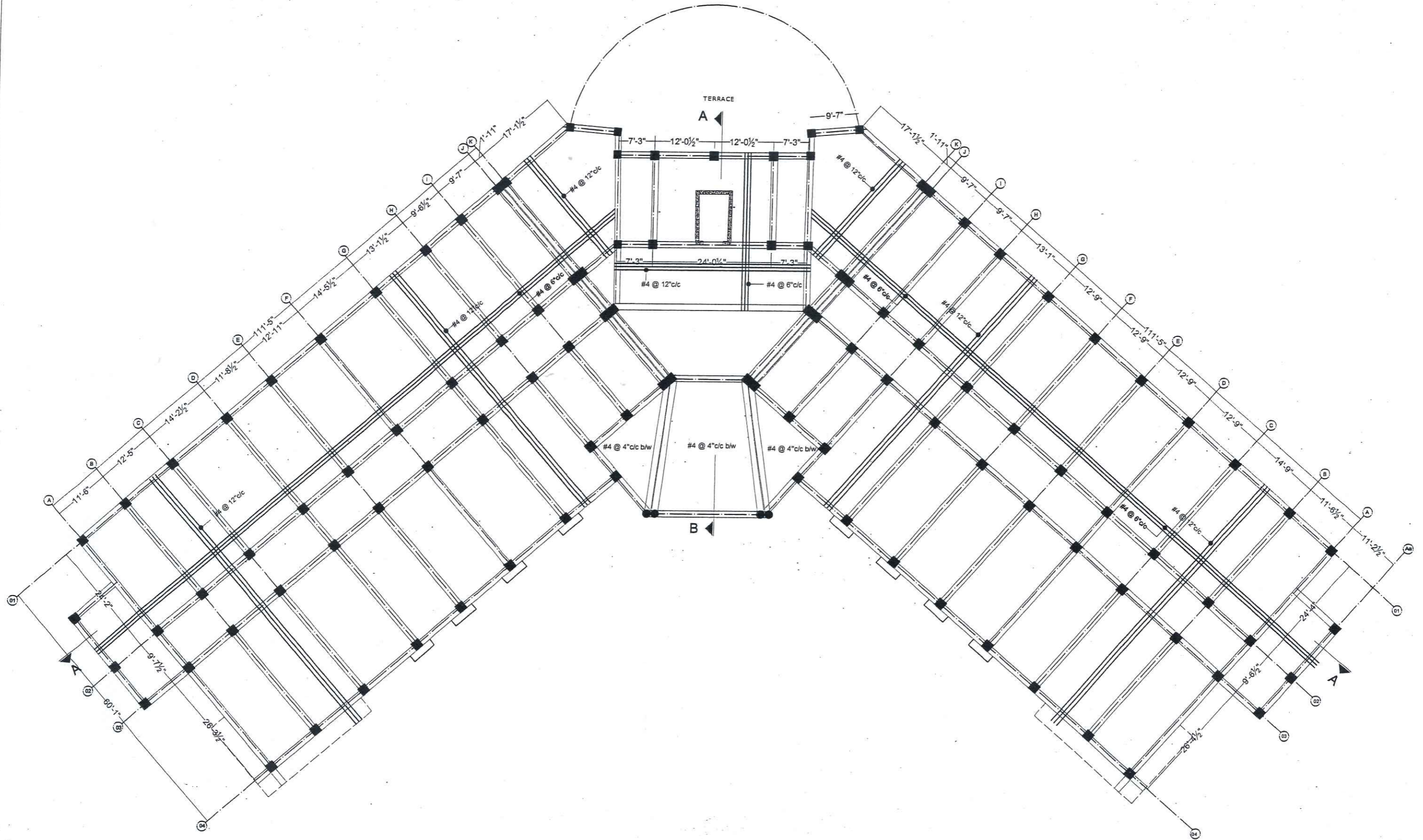
BASEMENT STEEL SLAB REINFORCEMENT DETAILS		ENGINEER'S SIGNATURE: 	
Project Number:	0024	Sheet No.	S-17
Date:	06-01-2024	Scale:	As indicated
Designed by:	ENGR. ZARIF KHAN		
Drawn by:	MUHAMMAD ILYAS		



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TITLE:	ACADEMIC BUILDING	GROUND STEEL SLAB REINFORCEMENT DETAILS	
		Project Number: 0024	ENGINEER'S SIGNATURE: 
CLIENT:		Date: 06-01-2024	Sheet No.
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Designed by: ENGR. ZARIF KHAN	S-17
		Drawn by: MUHAMMAD ILYAS	
		Scale:	As indicated

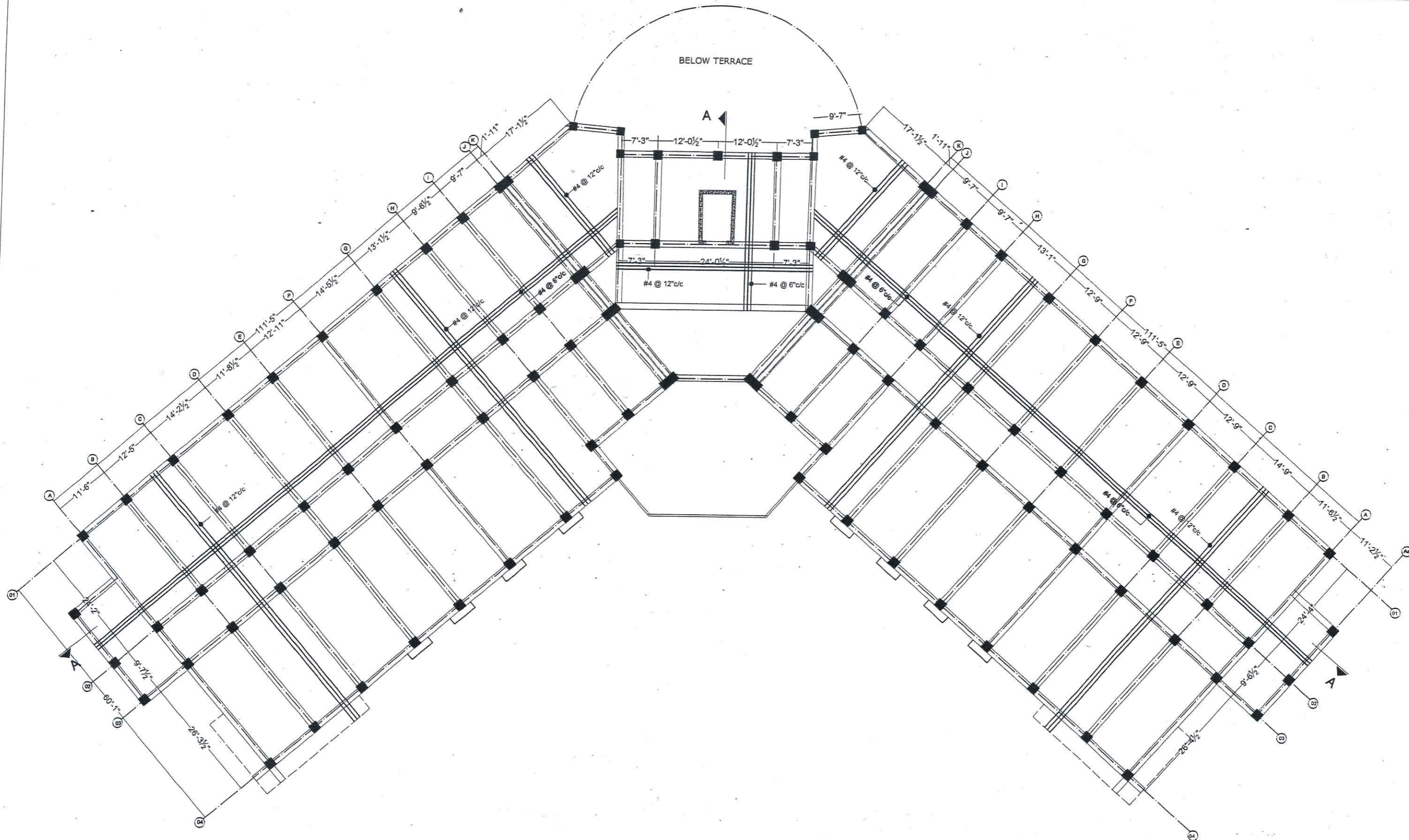


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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

FIRST FLOOR STEEL SLAB REINFORCEMENT DETAILS		ENGINEER'S SIGNATURE:		Sheet No.
Project Number:	0024			S-18
Date:	06-01-2024			
Designed by:	ENGR. ZARIF KHAN			
Drawn by:	MUHAMMAD ILYAS			
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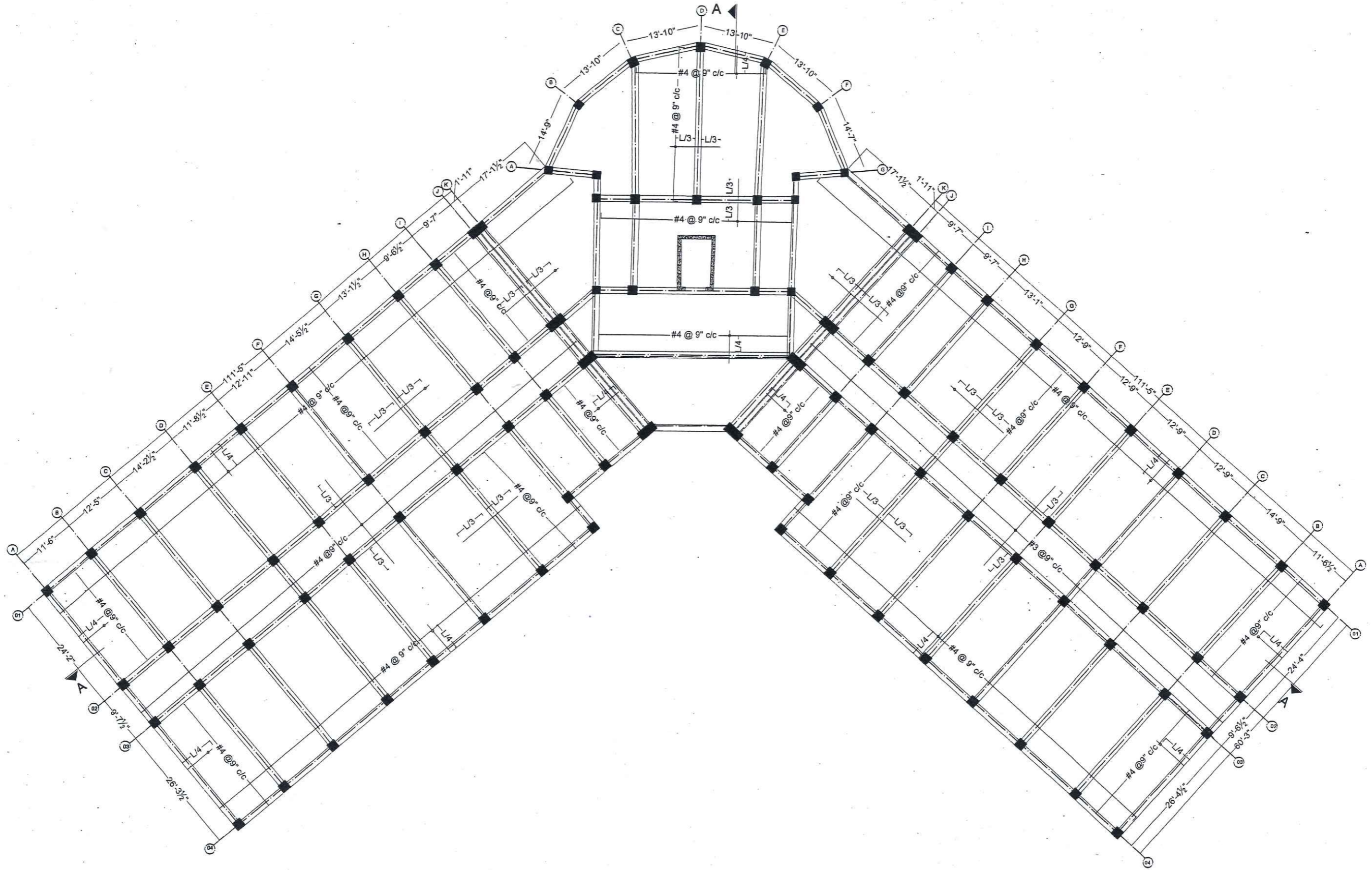


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TITLE:	ACADEMIC BUILDING	SECOND FLOOR STEEL SLAB REINFORCEMENT DETAILS	
CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	06-01-2024
		ENGINEER'S SIGNATURE:	Sheet No.
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
			S-19
		Scale:	As indicated



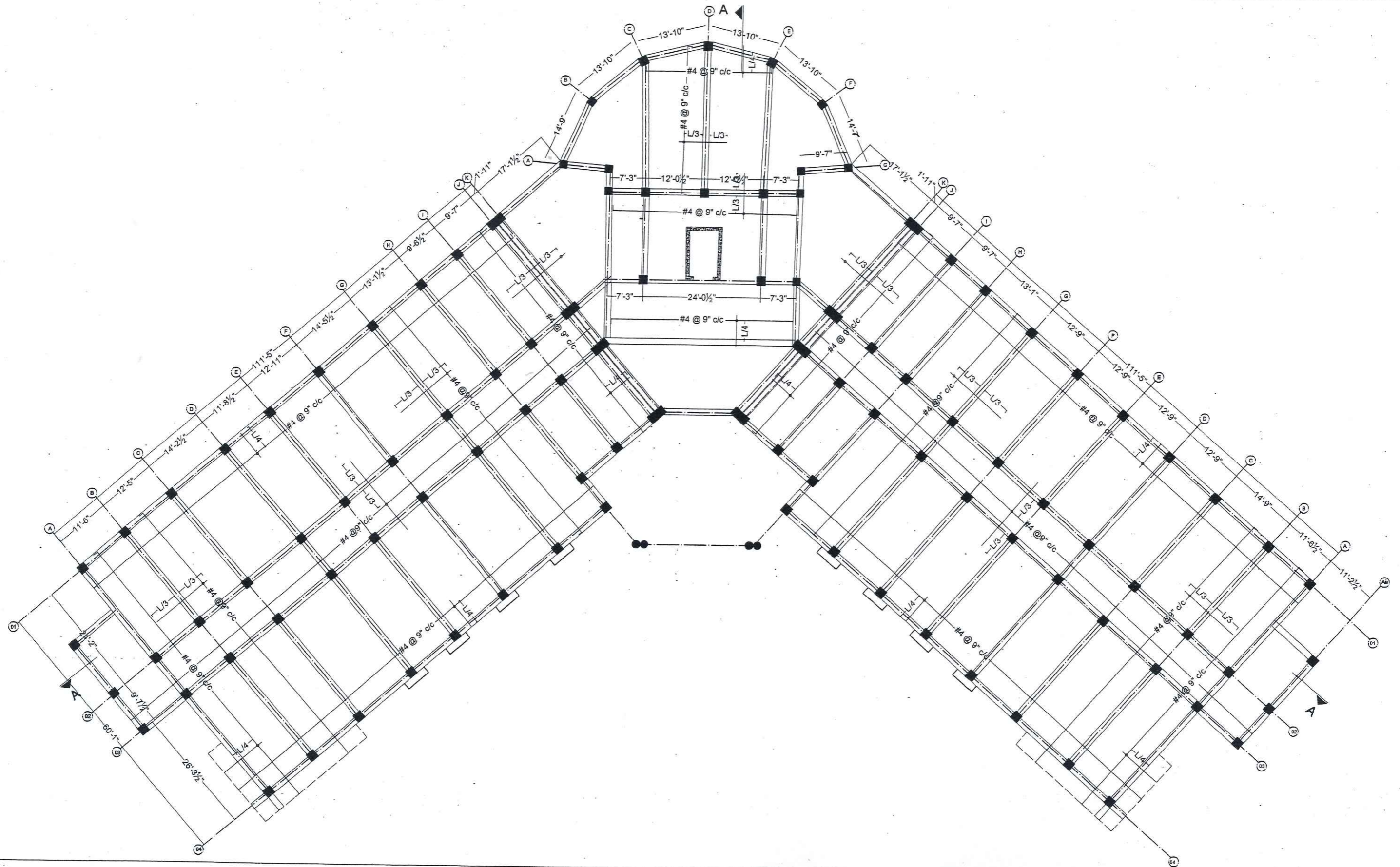


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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

SLAB REINFORCEMENT DETAILS		ENGINEER'S SIGNATURE:		Sheet No.
Project Number:	0024			S-20
Date:	06-01-2024			
Designed by:	ENGR. ZARIF KHAN			
Drawn by:	MUHAMMAD ILYAS	Scale:	As indicated	



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TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

SLAB REINFORCEMENT DETAILS

Project Number: 0024
Date: 06-01-2024
Designed by: ENGR. ZARIF KHAN
Drawn by: MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:

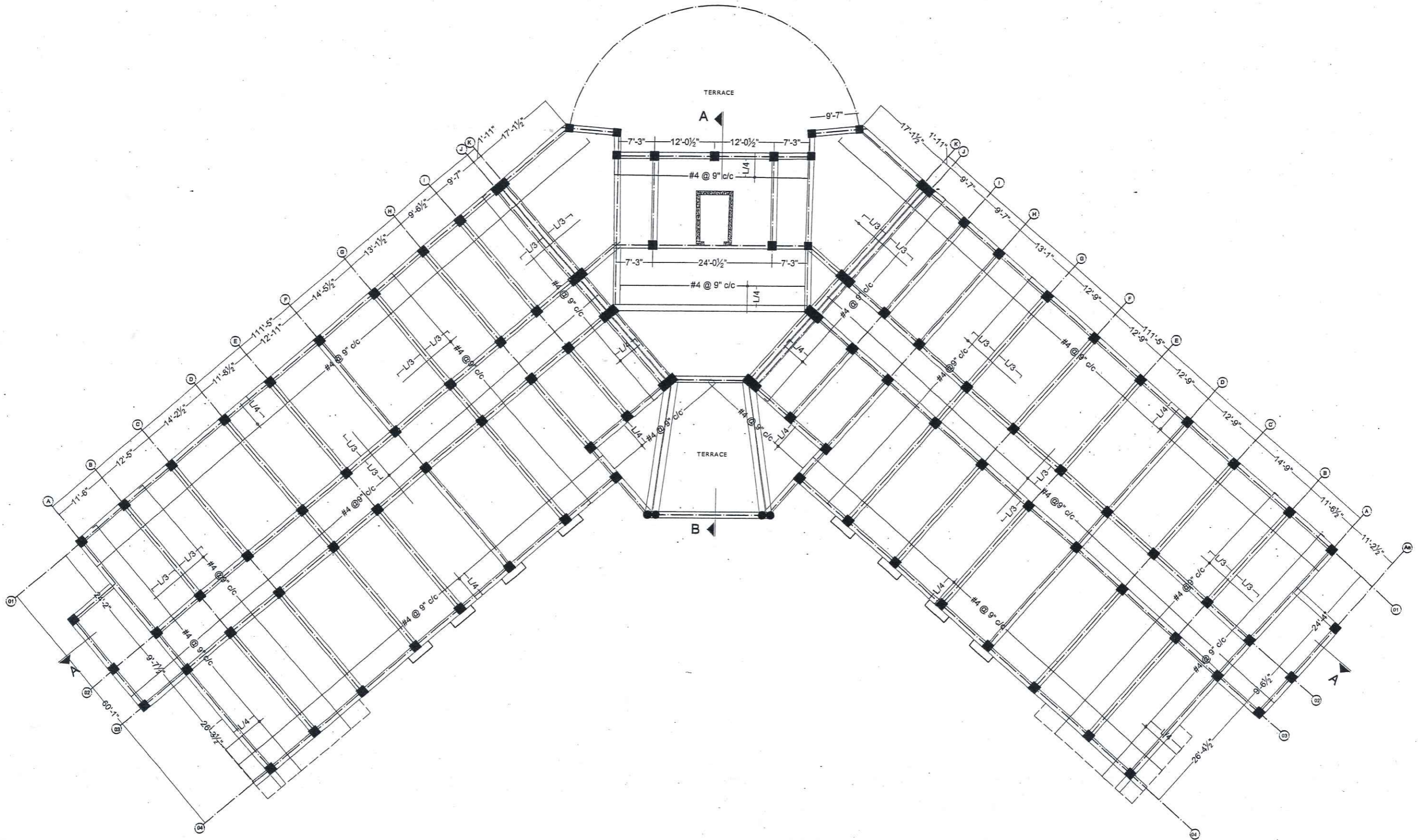


Sheet No.

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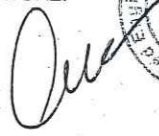
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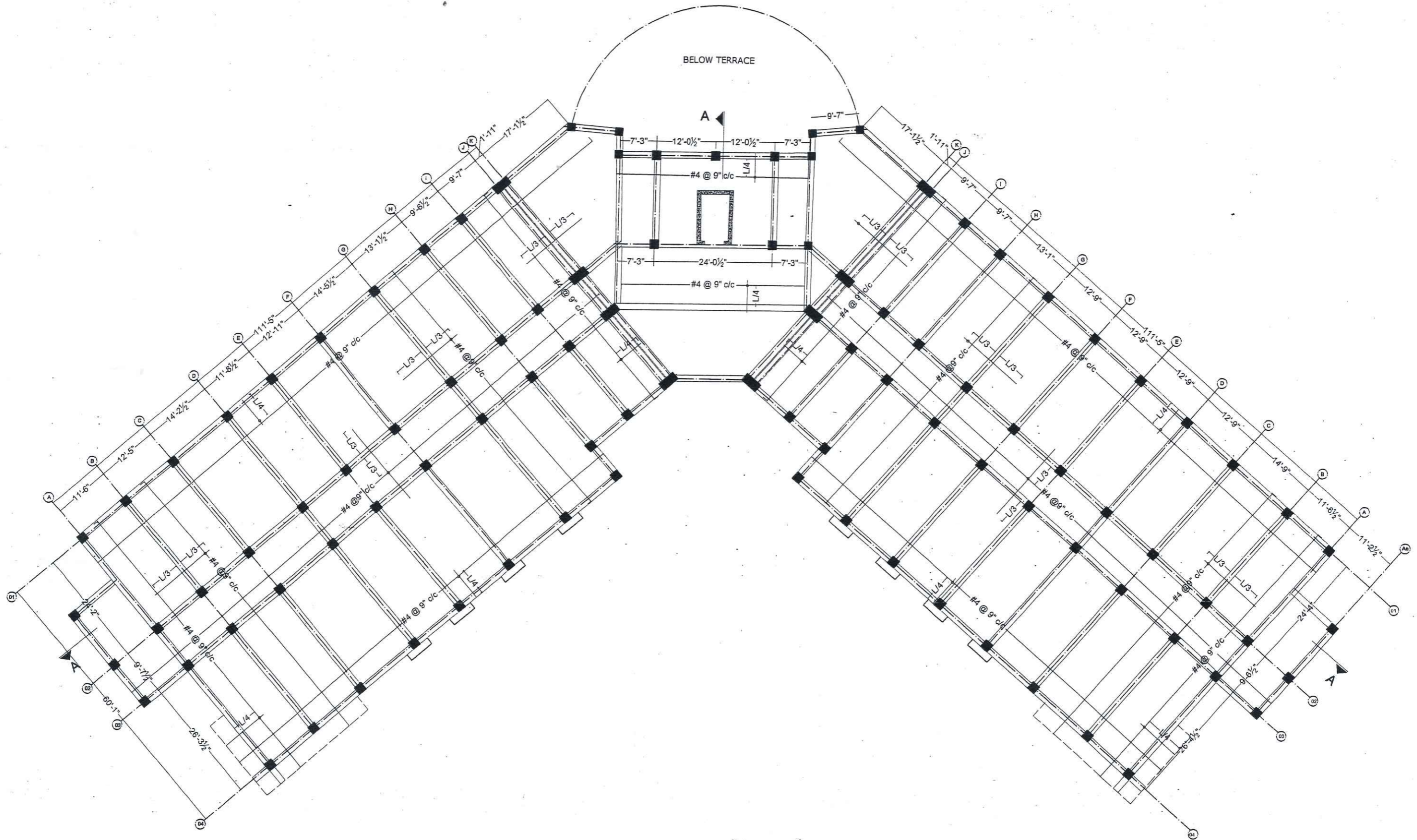
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TITLE:	ACADEMIC BUILDING	FIRST FLOOR SLAB REINFORCEMENT DETAILS	
CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	06-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
		ENGINEER'S SIGNATURE:	Sheet No.
			S-22
		Scale:	As indicated.



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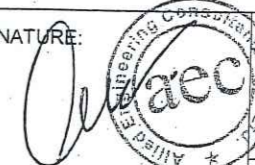
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PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

SECOND FLOOR SLAB REINFORCEMENT DETAILS

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

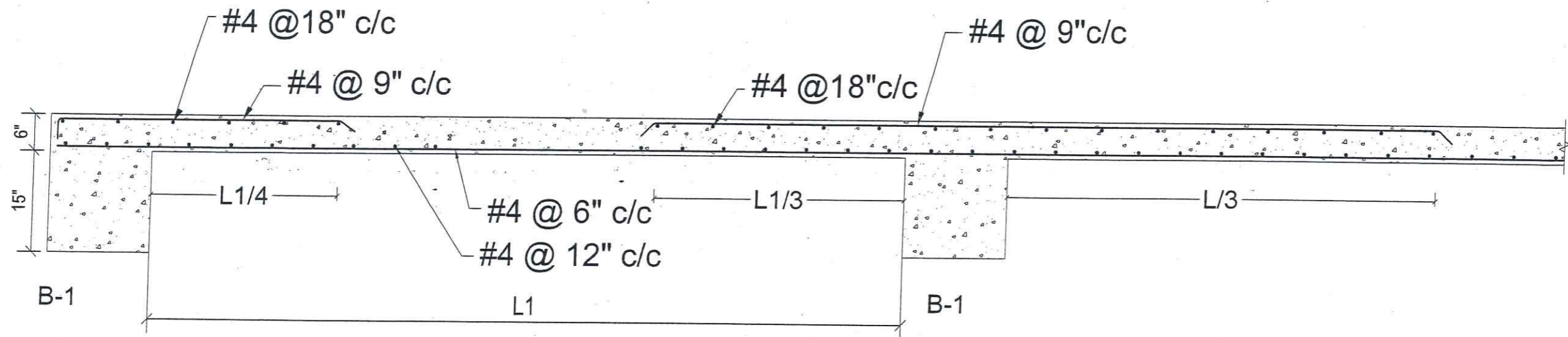
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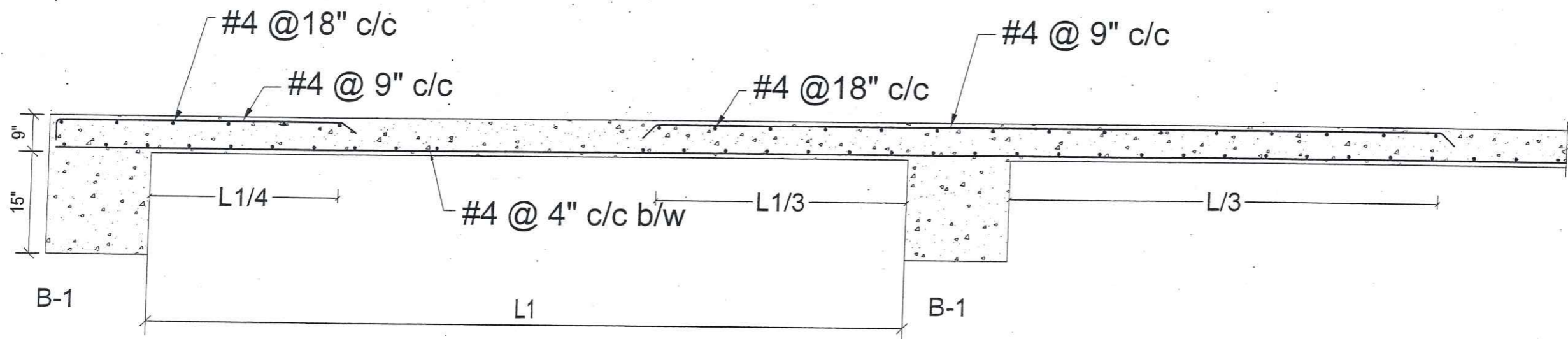
Sheet No.

S-23

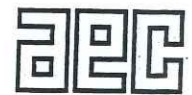
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SLAB SECTION A-A
SLAB 6" THICK




SLAB SECTION B-B
SLAB 6.5" THICK



ARCHITECTS .
ENGINEERS .
PLANNERS .

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(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING	STEEL SLAB REINFORCEMENT SECTION, DETAILS	
CLIENT:		Project Number: 0024	ENGINEER'S SIGNATURE: 
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date: 06-01-2024	Sheet No. S-24
		Designed by: ENGR. ZARIF KHAN	
		Drawn by: MUHAMMAD ILYAS	Scale: As indicated

DOOR / WINDOWS LINTEL BEAM DETAILS

SPAN RANGE	WALL THICKNESS	
	4 1/2"	9"
UPTO 4'-0"		
4'-3" TO 6'-0"		
6'-3" TO 8'-0"		
8'-3" TO 10'-0"		



ARCHITECTS •
ENGINEERS •
PLANNERS •

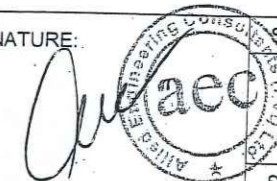
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

DOOR / WINDOW LINTEL BEAM DETAILS

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:

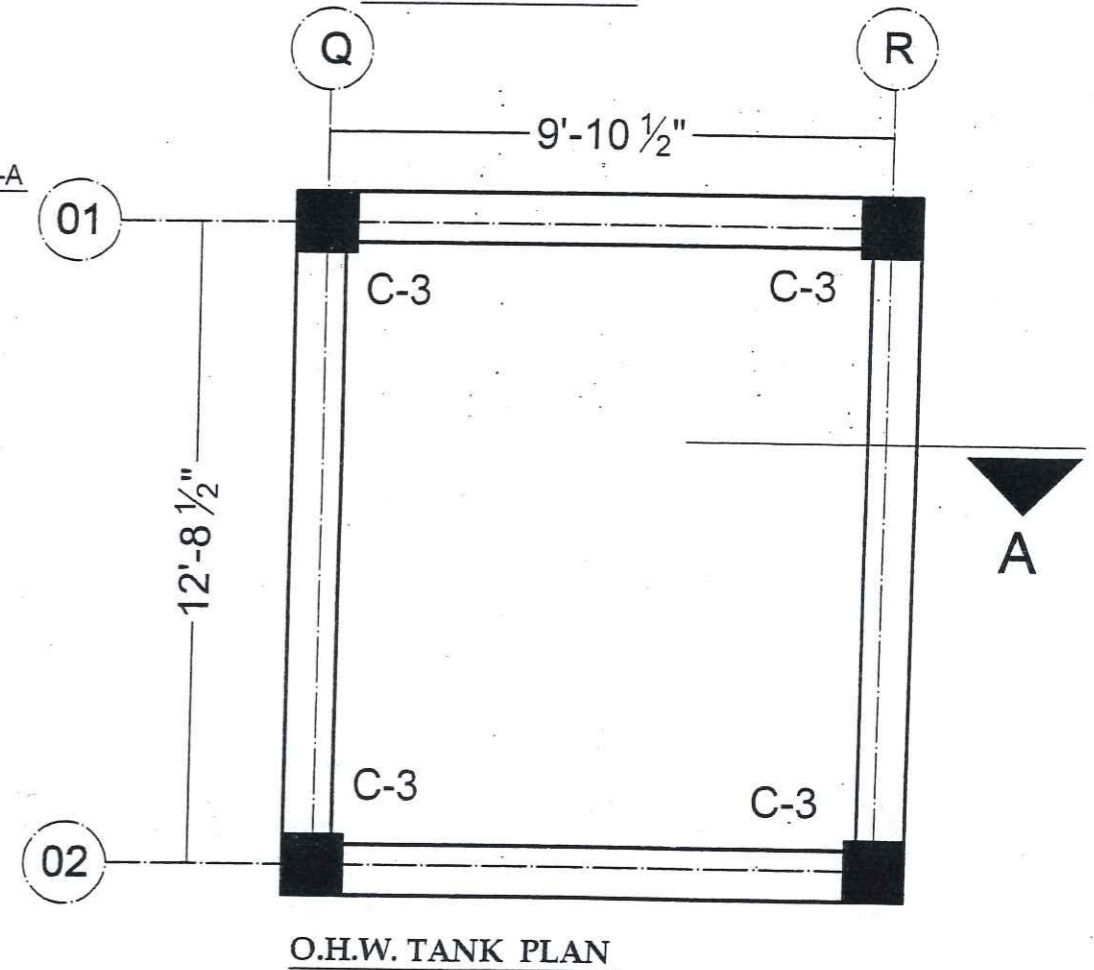
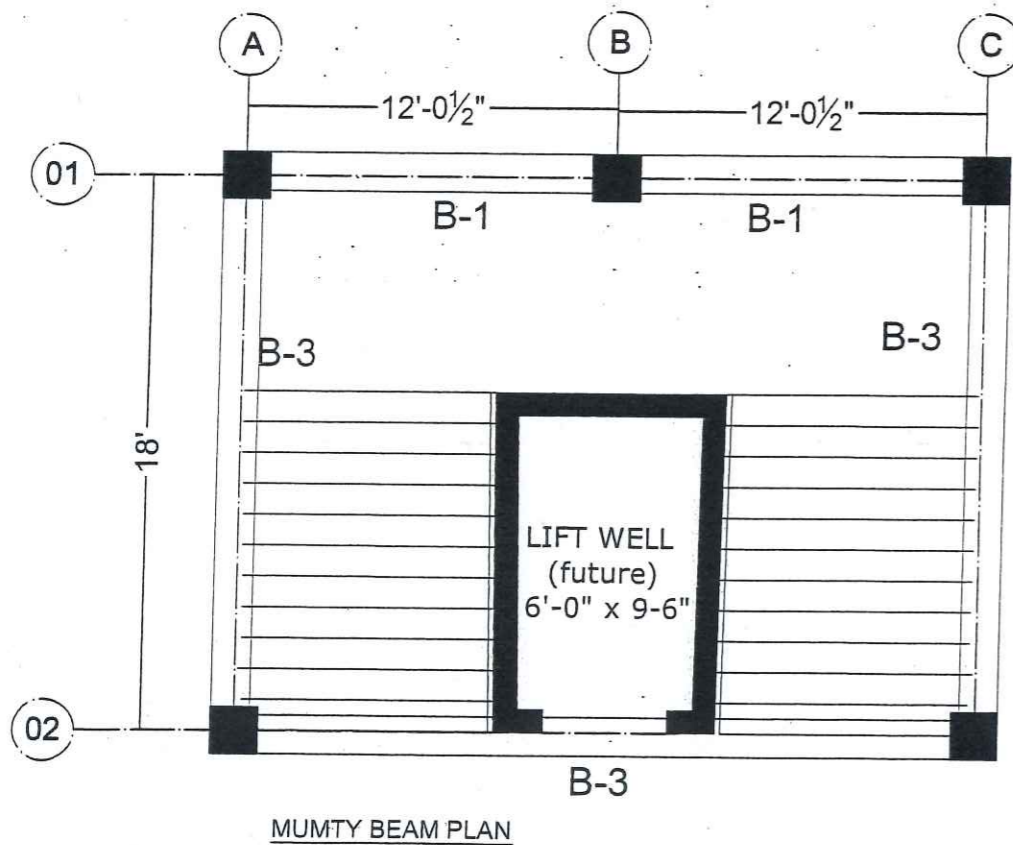
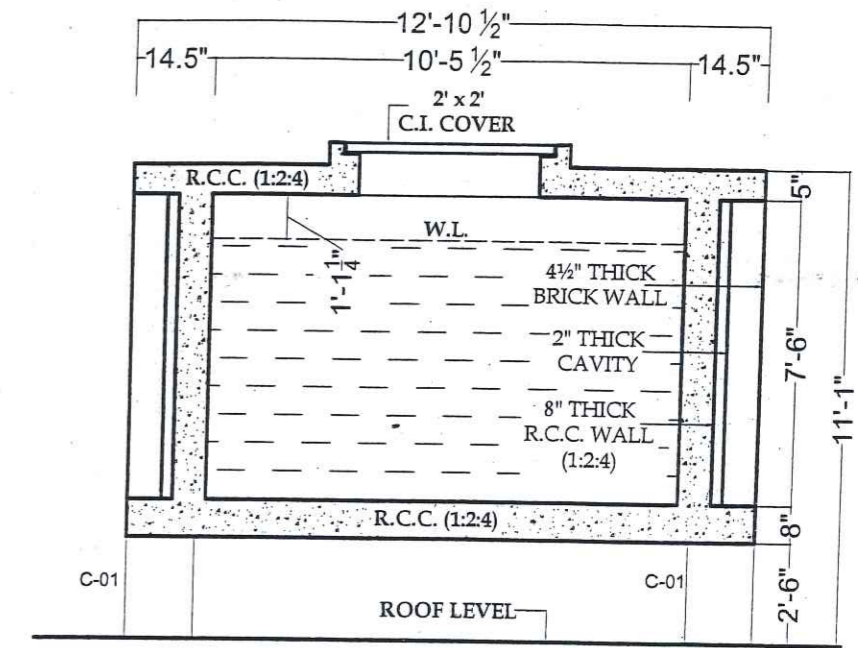
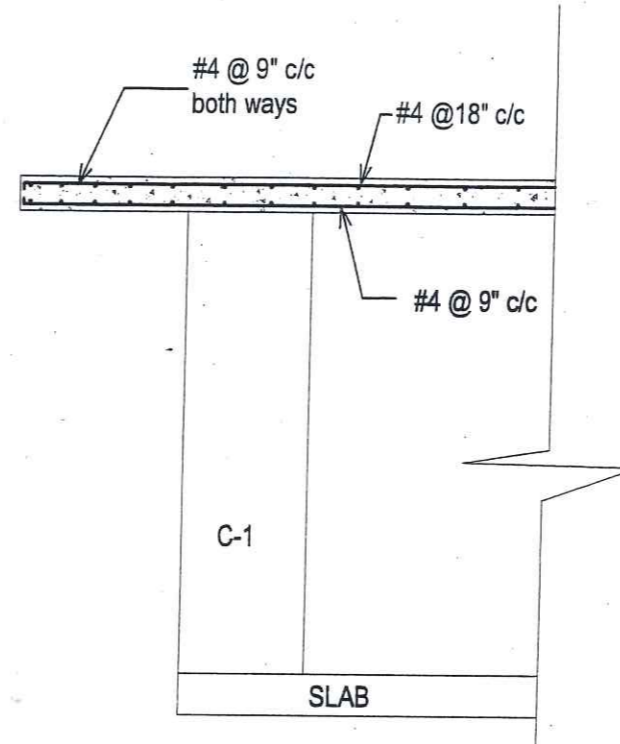
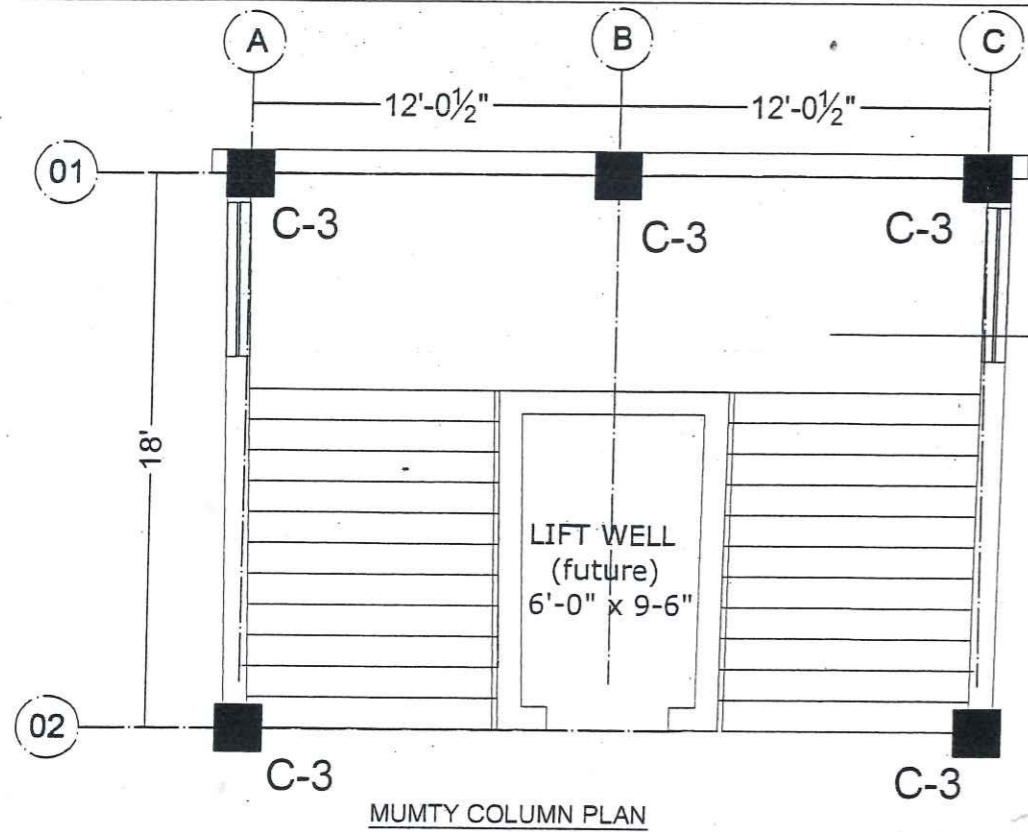


Sheet No.

S-25

Scale:

As indicated



AEC ARCHITECTS .
ENGINEERS .
PLANNERS .
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
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PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

MUMTY ,O.H.W.TANK PLAN & SECTION

Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

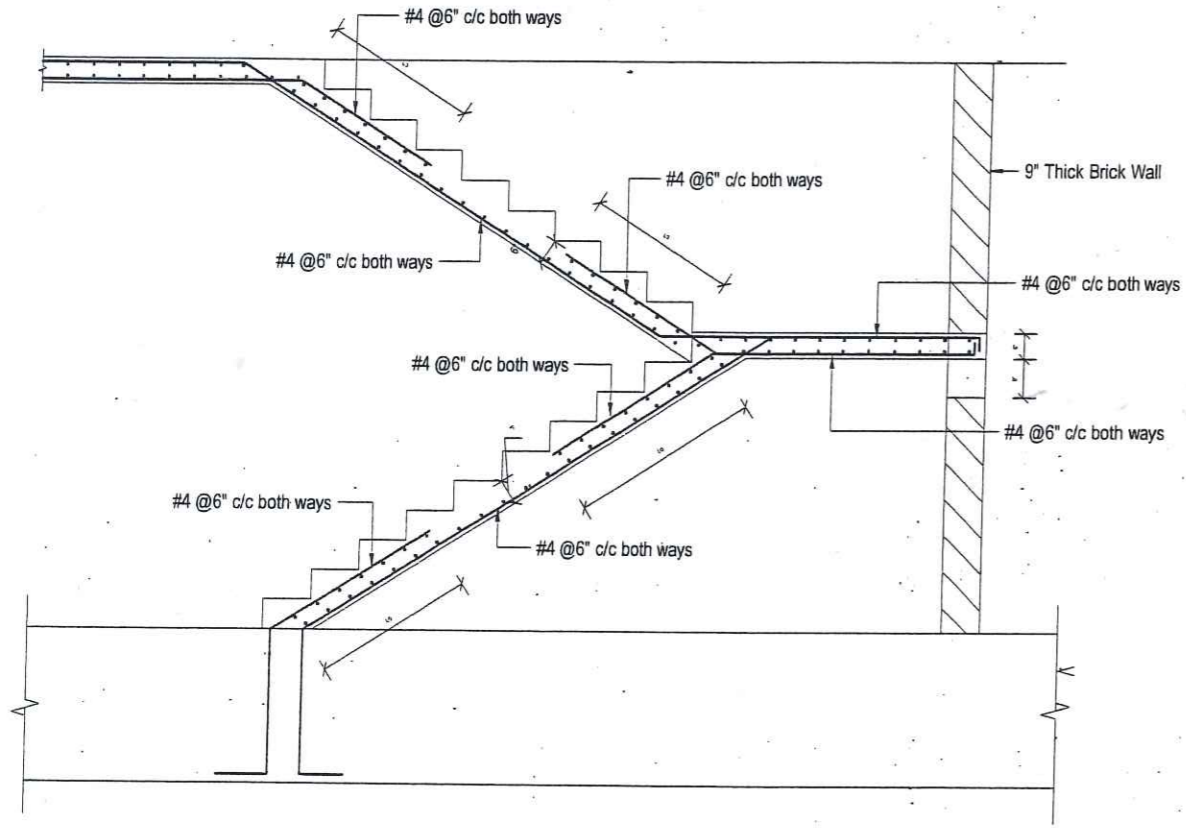
ENGINEER'S SIGNATURE:

[Signature]

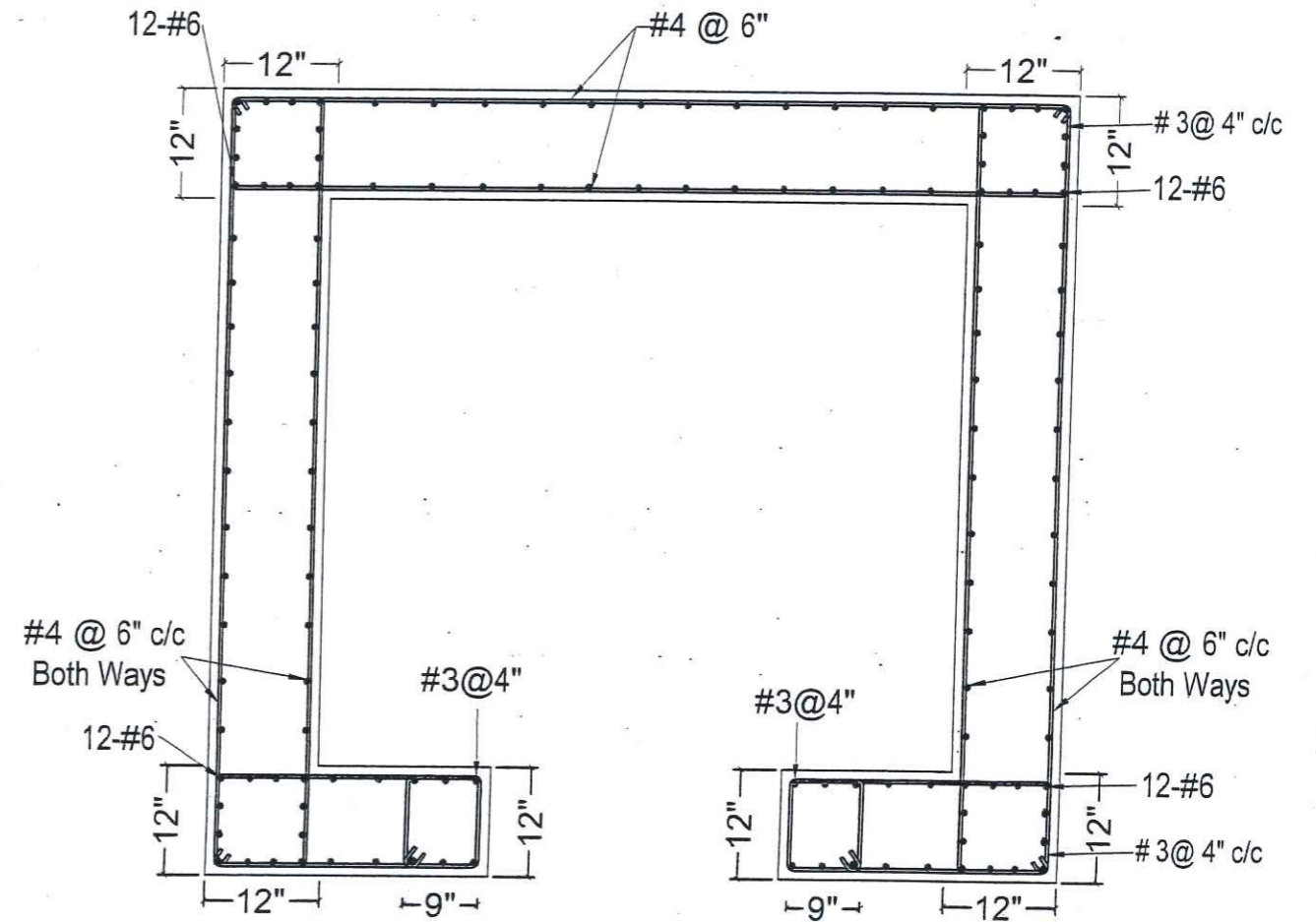
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S-26

Scale: As indicated



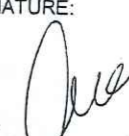
TYPICAL STAIR SECTION




aecc ARCHITECTS .
ENGINEERS .
PLANNERS .
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	ACADEMIC BUILDING
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

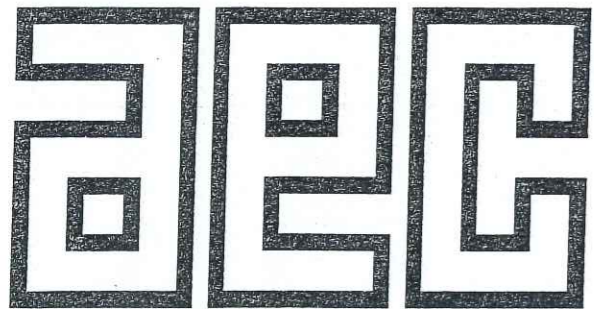
RAMP AND STAIR DETAILS	
Project Number:	0024
Date:	06-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE: 

 Sheet No. **S-27**

Scale: As indicated

ELECTRICAL DRAWINGS



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CLIENT: **UNIVERSITY OF MALAKAND**

PROJECT NAME:
**ESTABLISHMENT OF WOMEN SUB CAMPUS ,
 AT BATKHELA
 UNIVERSITY OF MALAKAND**

DRAWING

ACADEMIC BLOCK

PROJECT NO.

DRAWING NO.

ENGNR

YASIR KHAN

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

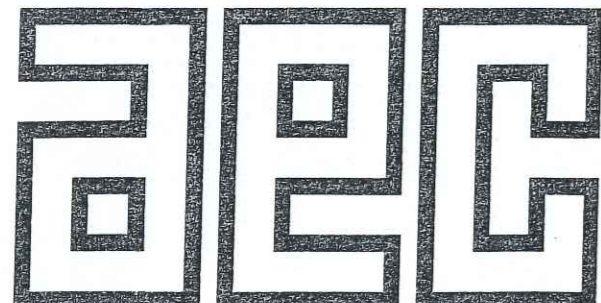
YASIR KHAN

SCALE

AS SHOWN

DATE

JAN 2024



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LEGEND

POWER SYSTEM

S.NO	DESCRIPTION	SYMBOLS	MOUNTING HEIGHT
1	ONE WAY 5 AMPS GANG TYPE SWITCH		4'-0" F.F.L
2	SWITCH BOARD WITH FAN DIMMER		4'-0" F.F.L
3	5 AMPS TWO WAY SWITCH BOARD		4'-0" F.F.L
4	3 PIN COMBINED SWITCH SOCKET 5/15 AMPS UNIVERSAL OUTLET		9" F.F.L
6	3 PIN 20 AMPS MULT IPIN SWITCH SOCKET		6'-0" F.F.L
7	DISTRIBUTION BOARD LIGHT & POWER		4'-0" F.F.L OR AS REQ.

ILLUMINATION SYSTEM

S.NO	DESCRIPTION	SYMBOLS	MOUNTING HEIGHT
1	ENERGY SAVER		ON WALL
2	CEILING LIGHT 17 WATT		IN SLAB/CEILING
3	CEILING LIGHT 10 WATT		IN SLAB/CEILING
4	CEILING FAN POINT 56" (FAN HOOK)		AS PER SITE
5	EXHAUST FAN		AS PER SITE
6	WARDROBE BRACKET FAN POINT		8'-0" F.F.L

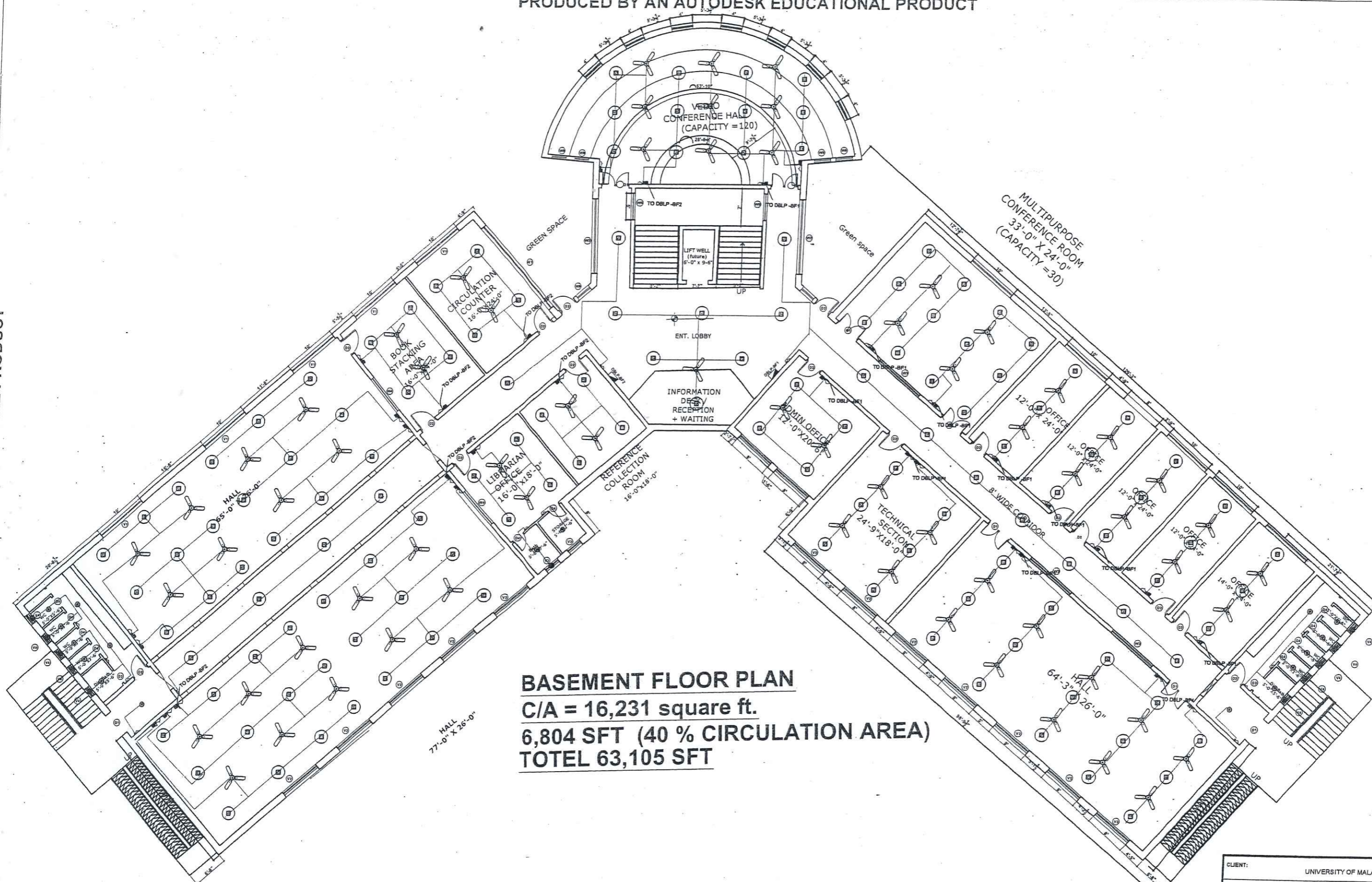
CLOSE CIRCUIT T.V SYSTEM

S.NO	SYMBOLS	DESCRIPTION	MAKE	MOUNTING HEIGHT
1	CCTV	INDICATES CLOSE CIRCUIT TELEVISION SYSTEM	-BOSCH -PHILIPS -SONY	-
2		INDICATES MONITOR-COLOURED	-BOSCH -PHILIPS -SONY	3'-6" F.F.L
3		INDICATES CLOSE CIRCUIT TV CAMERA	-BOSCH -PHILIPS -SONY	-ON WALL -7'-0" -ON SLAB
4		INDICATES WIRING IN 3/4" OR 1" DIA PVC FOR CCTV SYSTEM WITH CCTV CABLE	-POLO -DELTA GOLD -SHAVYL	ON SLAB/ BUG/BUF/BIS
5		INDICATES CLOSE CIRCUIT JUNCTION MADE OF M.S BOX 16SWG 7"x4"x4" DEEP WITH COVER TO PULL CCTV CABLES	LOCAL	6" TO 9" BELOW SLAB/BU ABOVE FALSE CEILING

Electrical Engineer
Allied Engineering Consultants (Pvt) Ltd.
Peshawar



CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING: ELECTRICAL LEGENDS	PROJECT NO. AEC-602/2023 DRAWING NO. EE - 1
ENGINEER: ASFANDYAR TAHIR	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASFANDYAR TAHIR	SCALE: AS SHOWN DATE: NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS . ENGINEERS . PLANNERS .	



BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

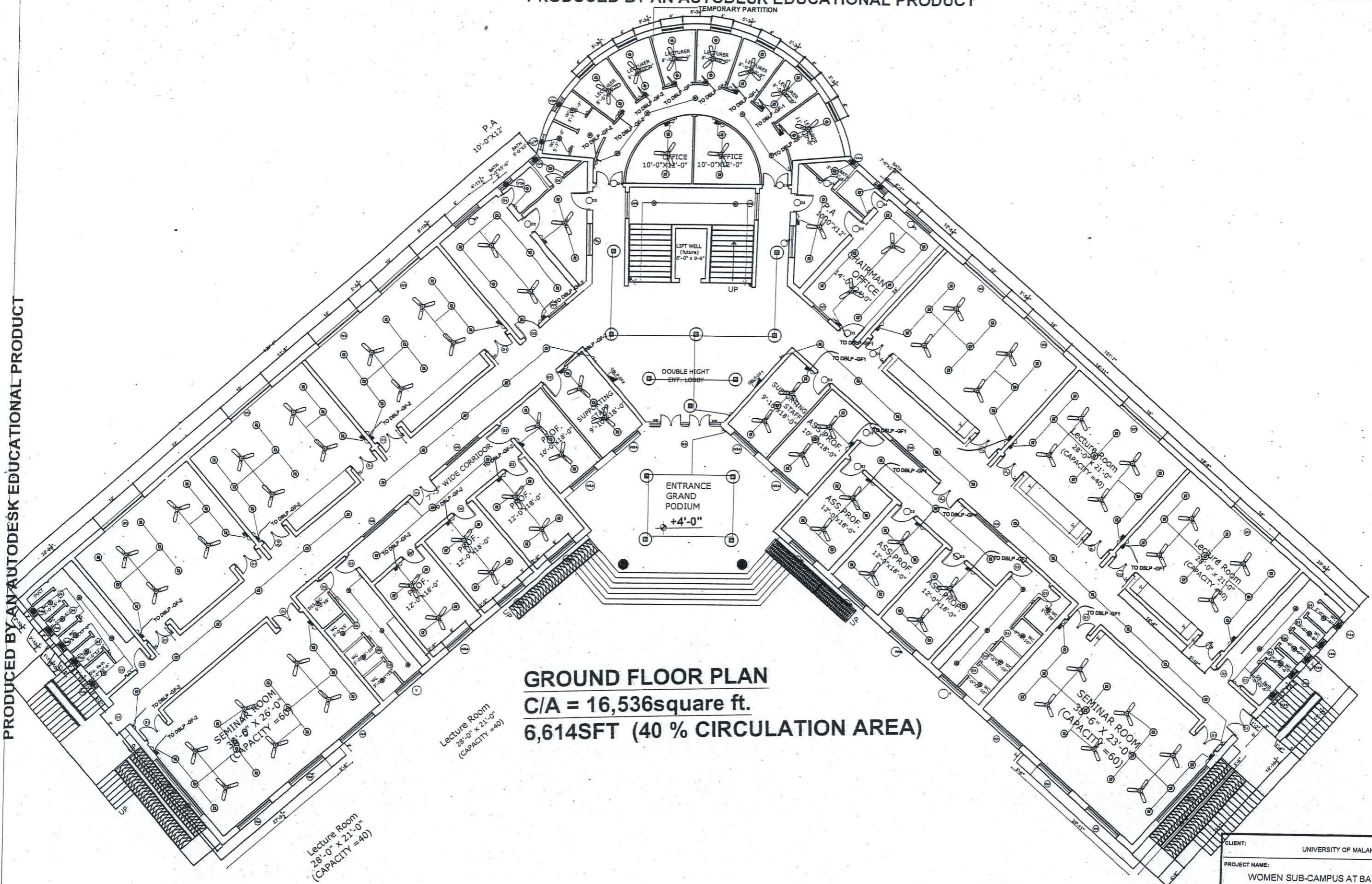
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING:	BASEMENT FLOOR ELECTRIFICATION	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 2
ENGINEER:	ASFANDYAR TAHIR	CHECKED BY:	MRS. SHAHINE KHAN
DRAWN:	ASFANDYAR TAHIR	SCALE:	AS SHOWN
		DATE:	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II-LAHORE PH: 97584331/5758732			

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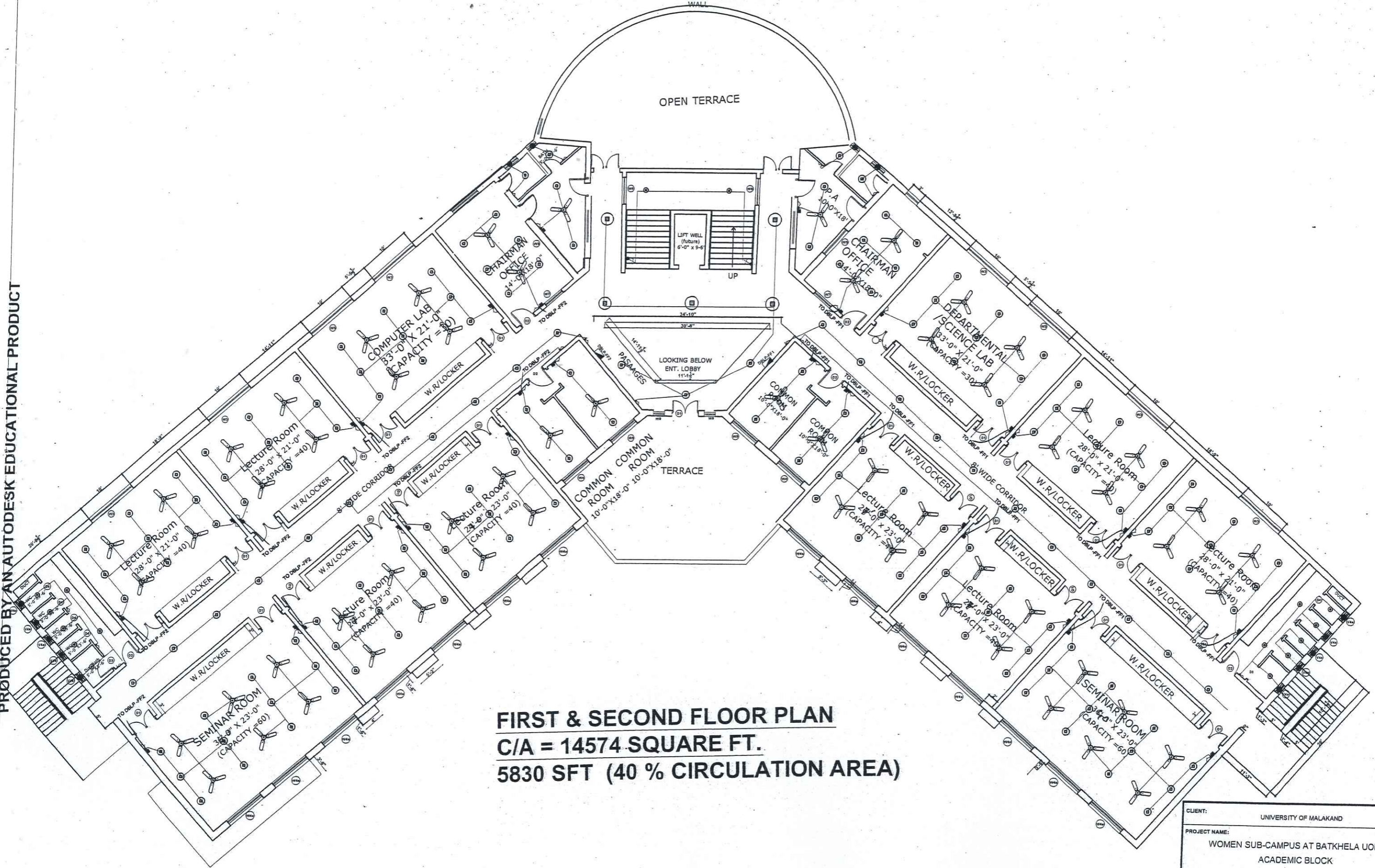
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GROUND FLOOR PLAN
C/A = 16,536square ft.
6,614SFT (40 % CIRCULATION AREA)

CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING	GROUND FLOOR ELECTRIFICATION	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 3
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
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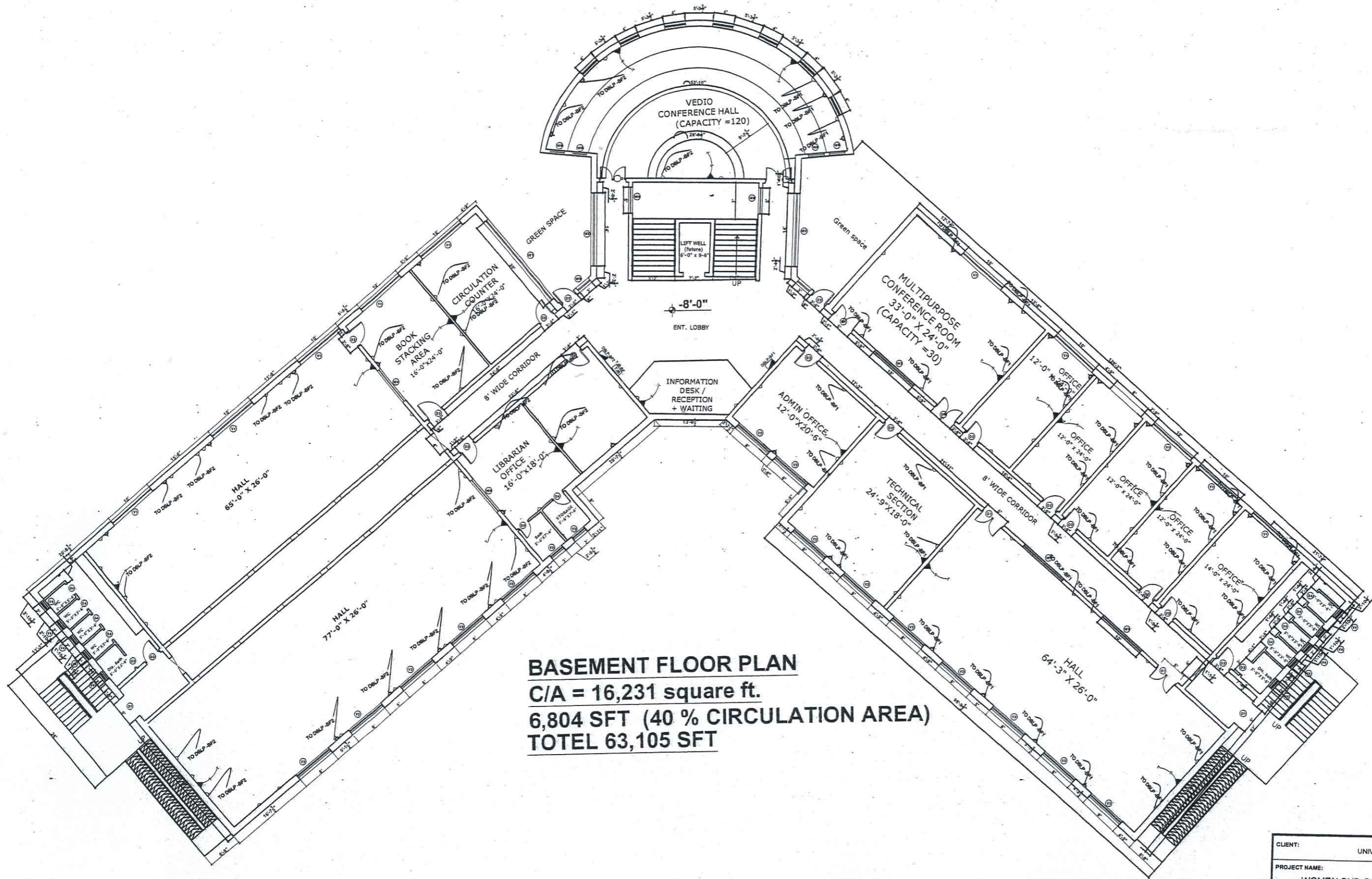
FIRST & SECOND FLOOR PLAN
C/A = 14574 SQUARE FT.
5830 SFT (40 % CIRCULATION AREA)



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATHKHELA UOM ACADEMIC BLOCK	
DRAWING	FIRST & SECOND FLOOR ELECTRIFICATION	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 4
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS - ENGINEERS - PLANNERS			

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

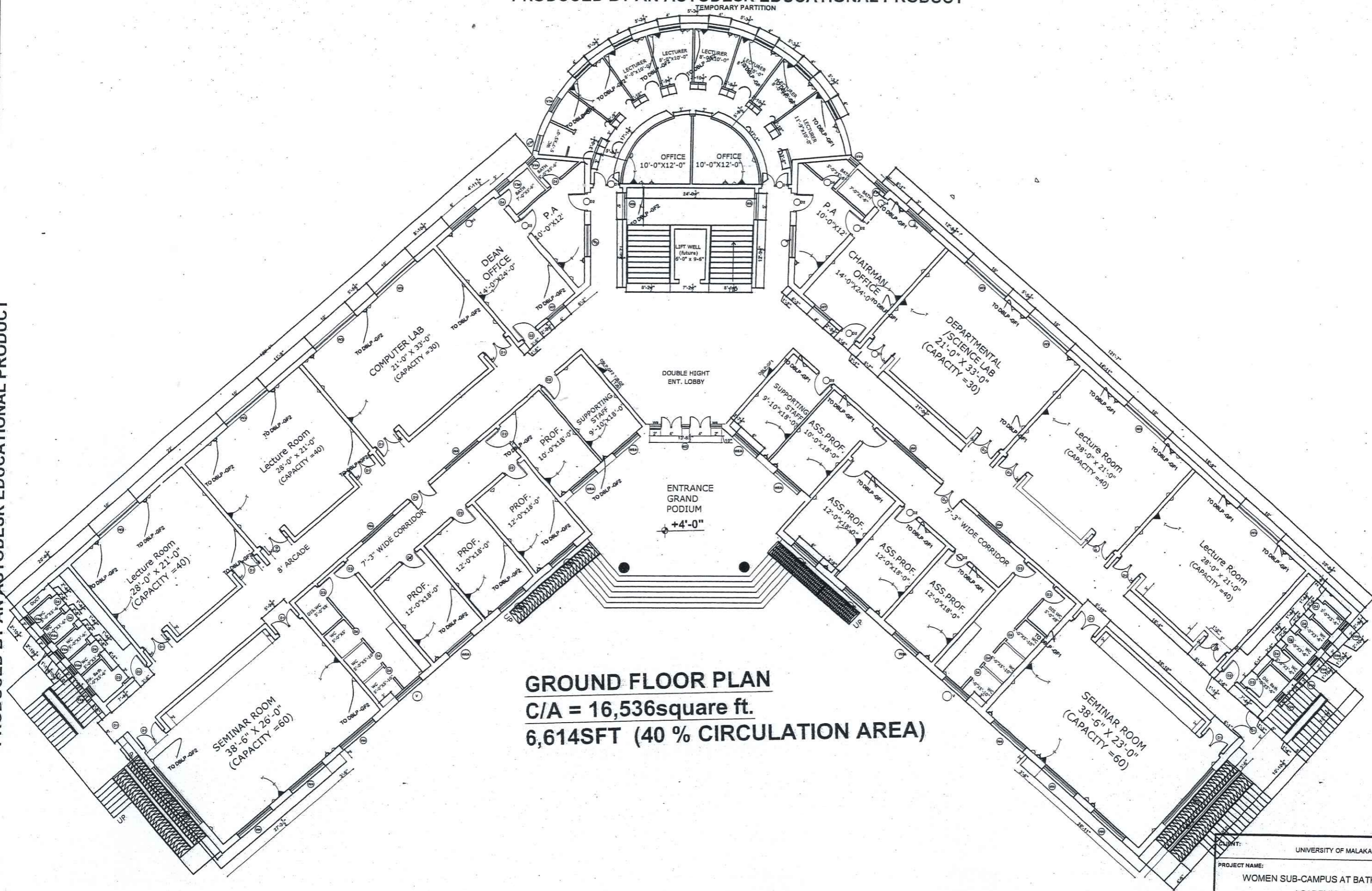
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING	BASEMENT FLOOR LIGHT & POWER PLUG & TELEPHONE	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 5
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS • ENGINEERS • PLANNERS. 19-A, GULBERG-II-LAHORE PH: 3734333 3734732			



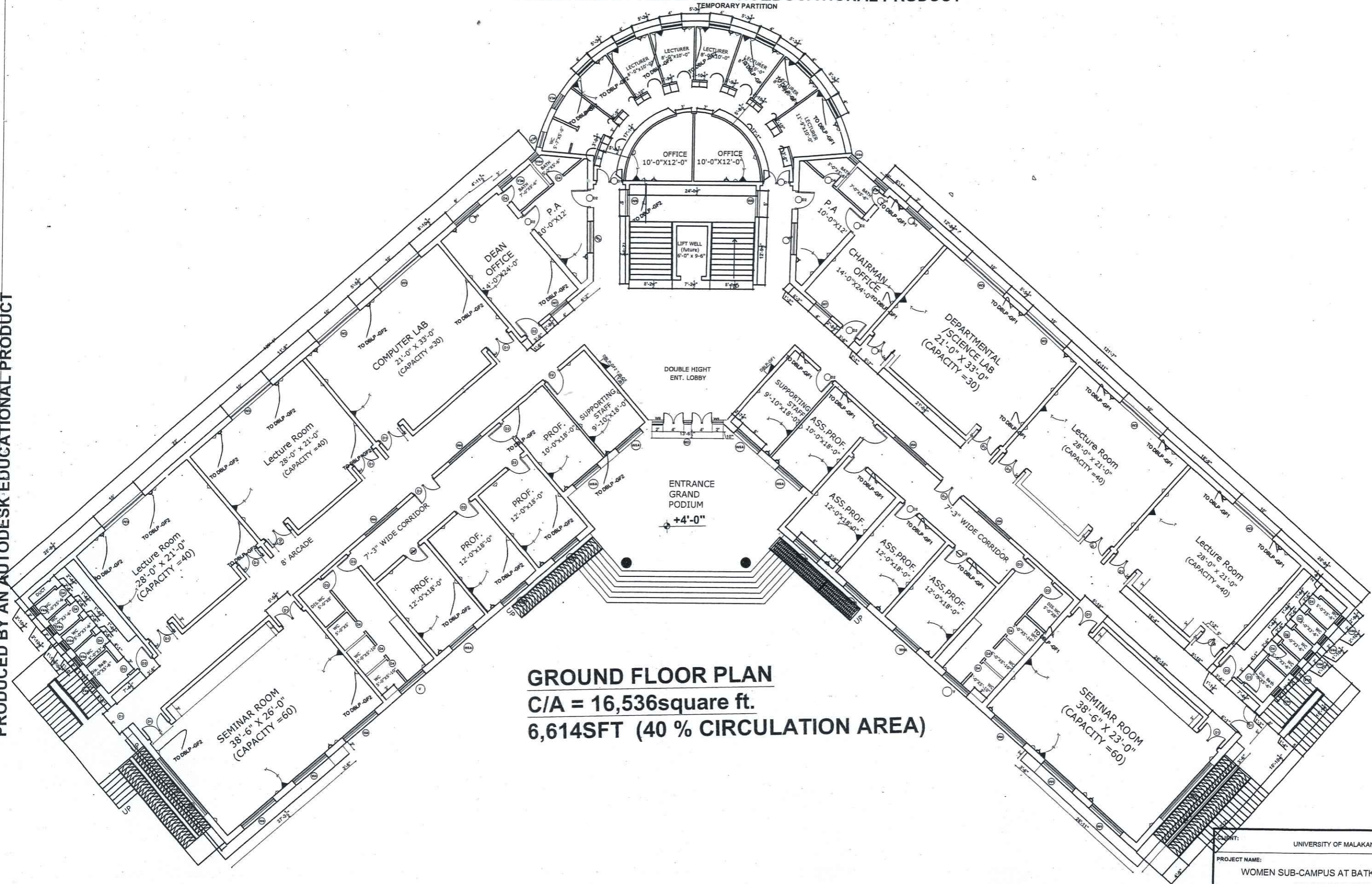
GROUND FLOOR PLAN
C/A = 16,536square ft.
6,614SFT (40 % CIRCULATION AREA)



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING	GROUND FLOOR LIGHT & POWER PLUG & TELEPHONE	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 6
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II, LAHORE Pk: 5736333 / 5736732			

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

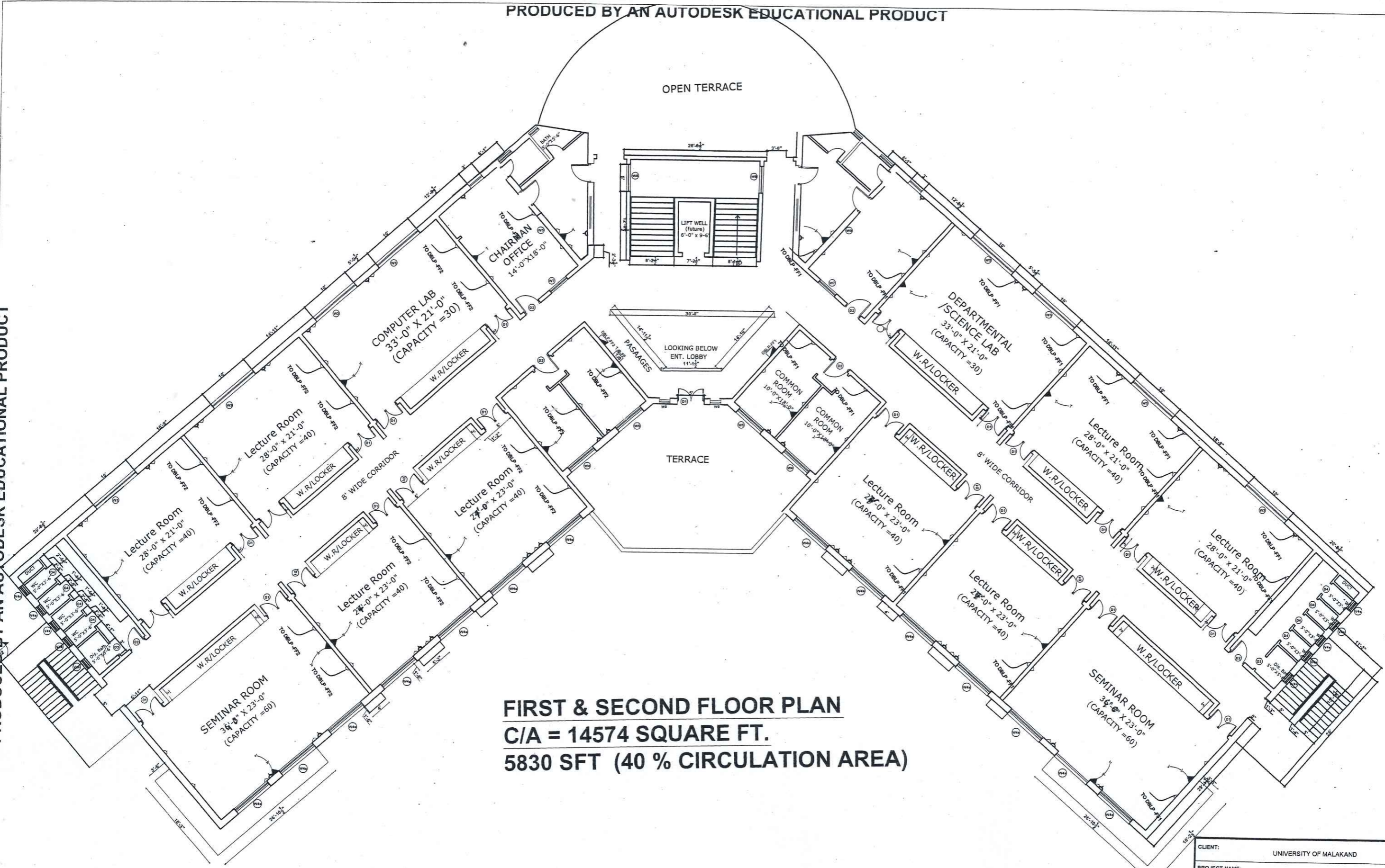
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GROUND FLOOR PLAN
C/A = 16,536square ft.
6,614SFT (40 % CIRCULATION AREA)



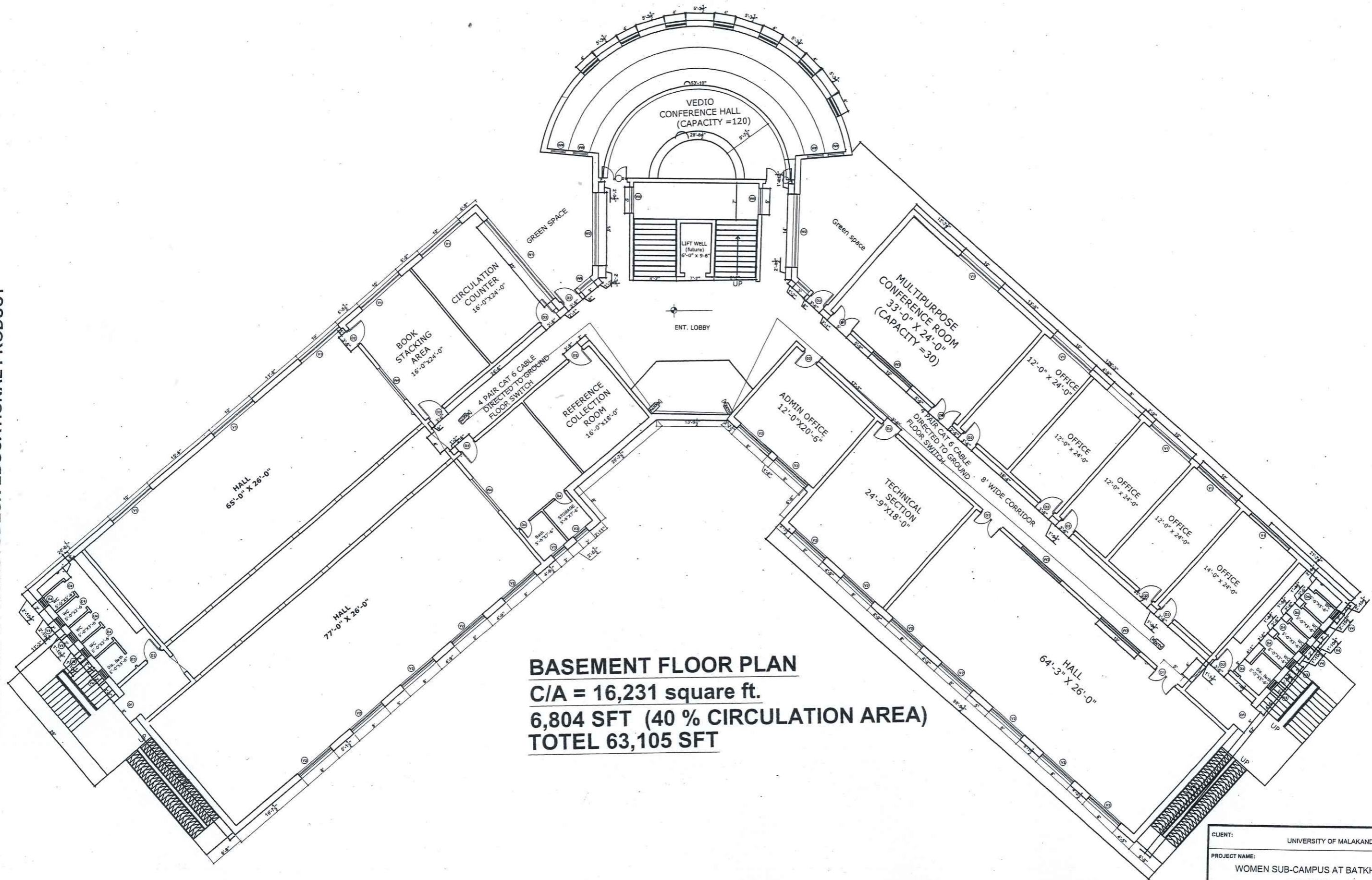
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		DRAWING NO.	EE - 6
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS . 19 - A, GULBERG-II, LAHORE. P.H: 5756433 / 5756752			



FIRST & SECOND FLOOR PLAN
C/A = 14574 SQUARE FT.
5830 SFT (40 % CIRCULATION AREA)



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING	FIRST & SECOND FLOOR LIGHT & POWER PLUG & TELEPHONE	PROJECT NO.	AEC-602/2023
		DRAWING NO.	EE - 7
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS · ENGINEERS · PLANNERS. 19-A, GULBERG-II, LAHORE PH: 5758433 / 5758752			

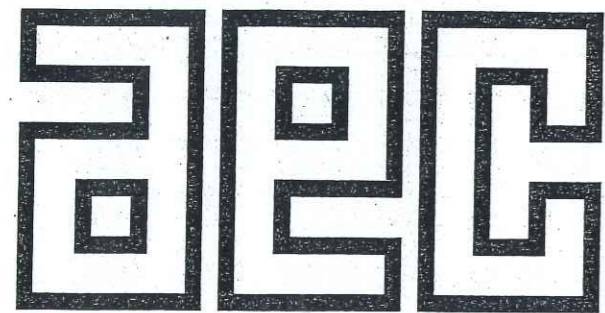


BASEMENT FLOOR PLAN
C/A = 16,231 square ft.
6,804 SFT (40 % CIRCULATION AREA)
TOTEL 63,105 SFT



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:		WOMEN SUB-CAMPUS AT BATKHELA UOM ACADEMIC BLOCK	
DRAWING	PROJECT NO.		AEC-602/2023
BASEMENT FLOOR CCTV SYSTEM		DRAWING NO.	EE - 8
ENGINEER	ASFANDYAR TAHIR	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASFANDYAR TAHIR	SCALE	AS SHOWN
		DATE	NOV 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS. 19-A, GULBERG-4-LAHORE. PH: 3758433 / 3758732			

PUBLIC HEALTH DRAWINGS

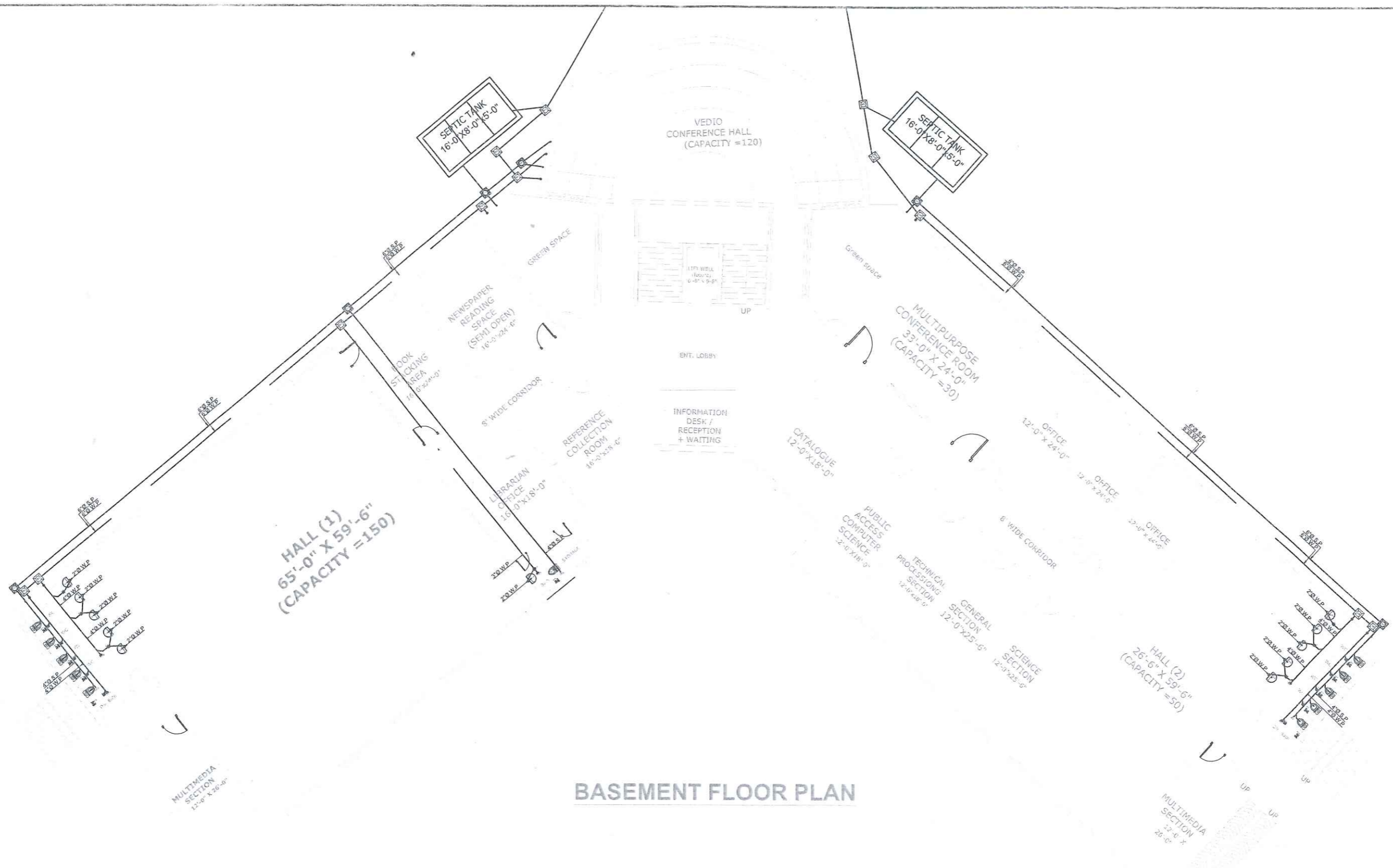


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19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752

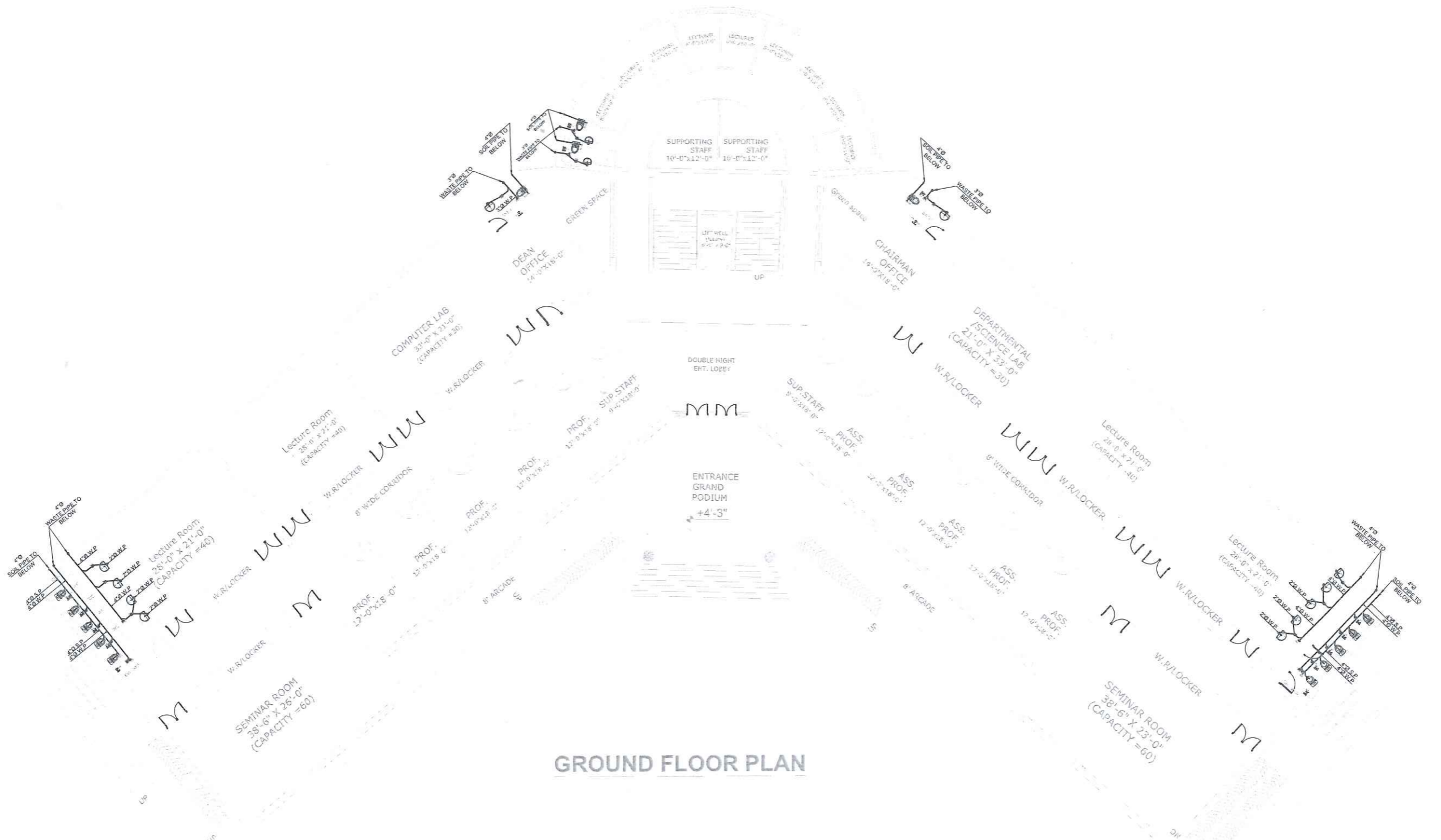
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BASEMENT FLOOR PLAN



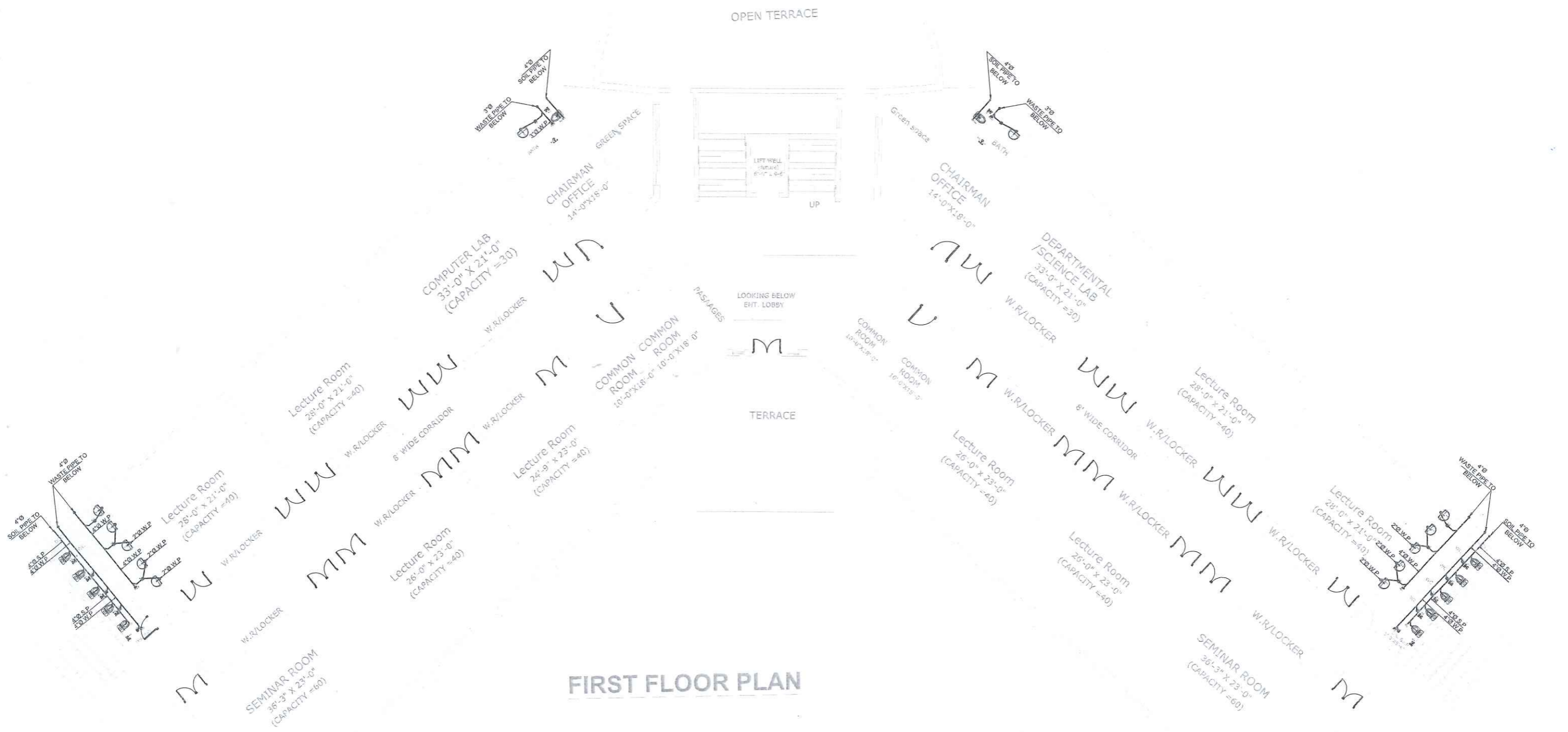
WOMEN UNIVERSITY CAMPUS MALAKAND			
ACADEMIC BLOCK			
DRAWING BASMENT FLOOR		PROJECT NO. AEC-J...	
		DRAWING NO. S-01	
ENGINEER SOHAIL	CHECKED BY MRS. SHAHINE KHAN		
DRAWN IMRAN	SCALE AS SHOWN	DATE AUG 2023	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS. 19-A GULBERG-II LAHORE PH: 5758433 / 5756752			



GROUND FLOOR PLAN



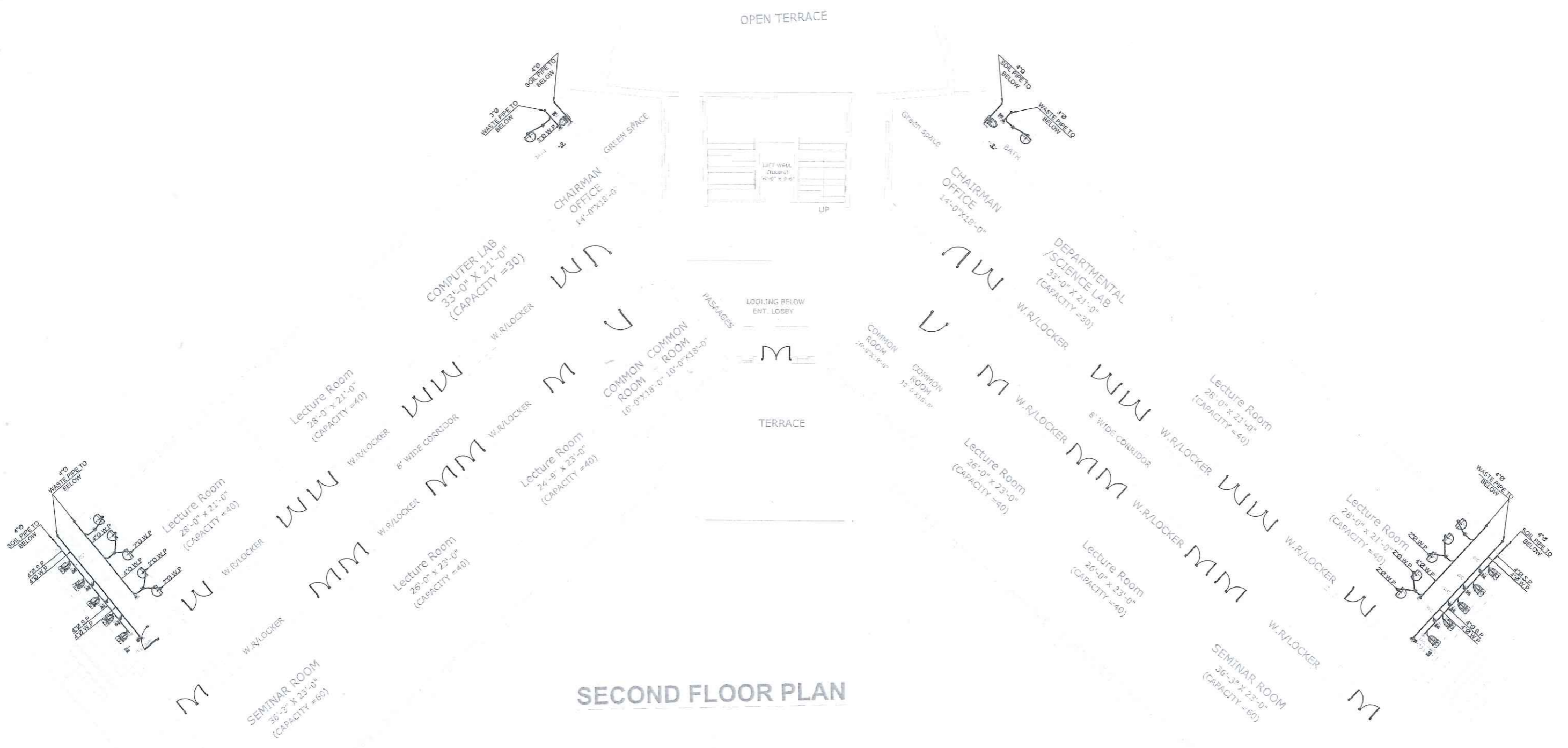
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ACADEMIC BLOCK			
DRAWING GROUND FLOOR		PROJECT NO. AEC-... DRAWING NO. S - 02	
ENGINEER SOHAIL	CHECKED BY MRS. SHAHINE KHAN		
DRAWN IMRAN	SCALE AS SHOWN	DATE AUG 2023	
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FIRST FLOOR PLAN



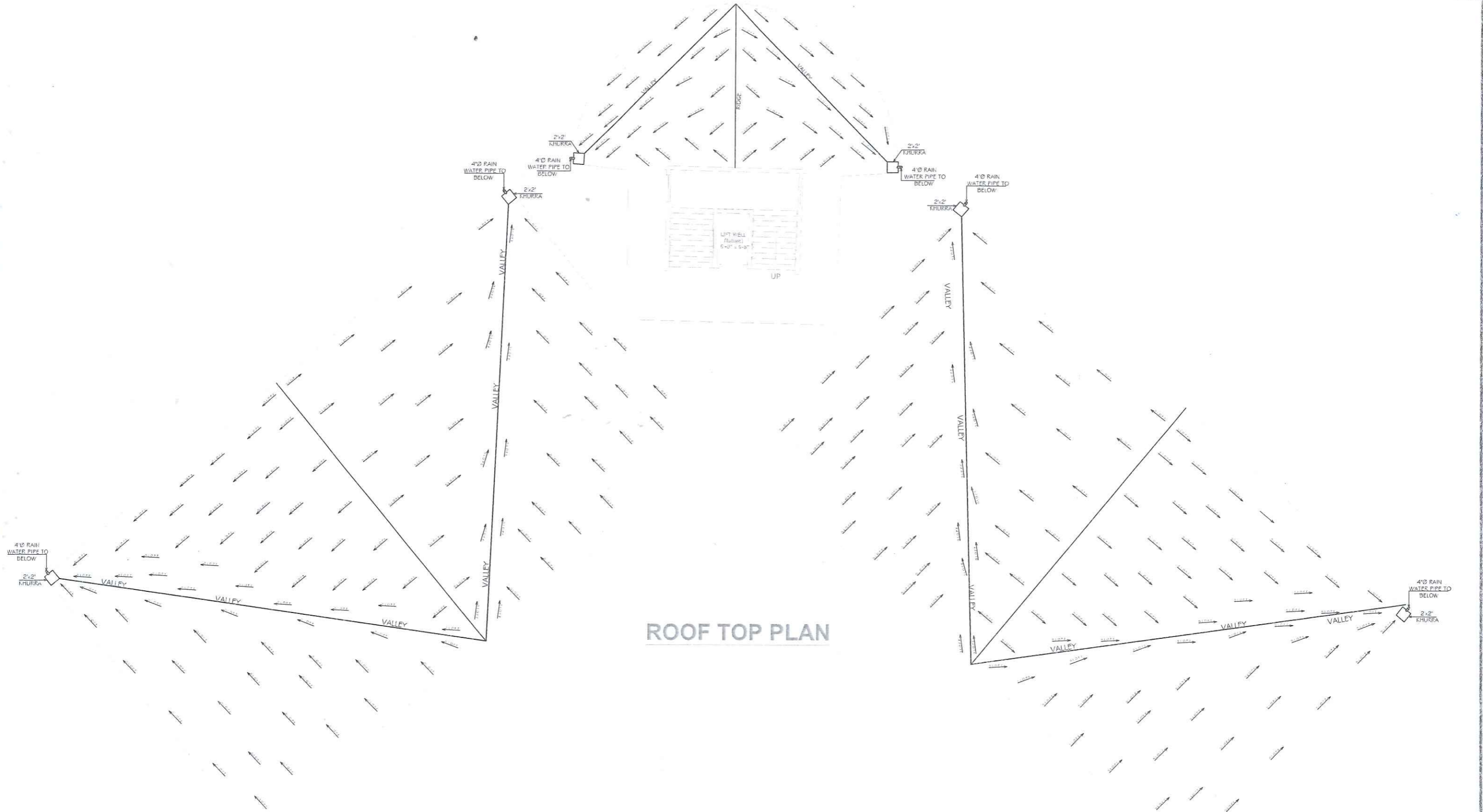
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ACADEMIC BLOCK			
DRAWING FIRST FLOOR		PROJECT NO. AEC-1...	
		DRAWING NO. S-03	
ENGINEER SOHAIL	CHECKED BY MRS. SHAMINE KHAN	SCALE AS SHOWN	DATE AUG 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS • 19-A, GULBERG-II, LAHORE. PH: 5758433 / 5756752			



SECOND FLOOR PLAN



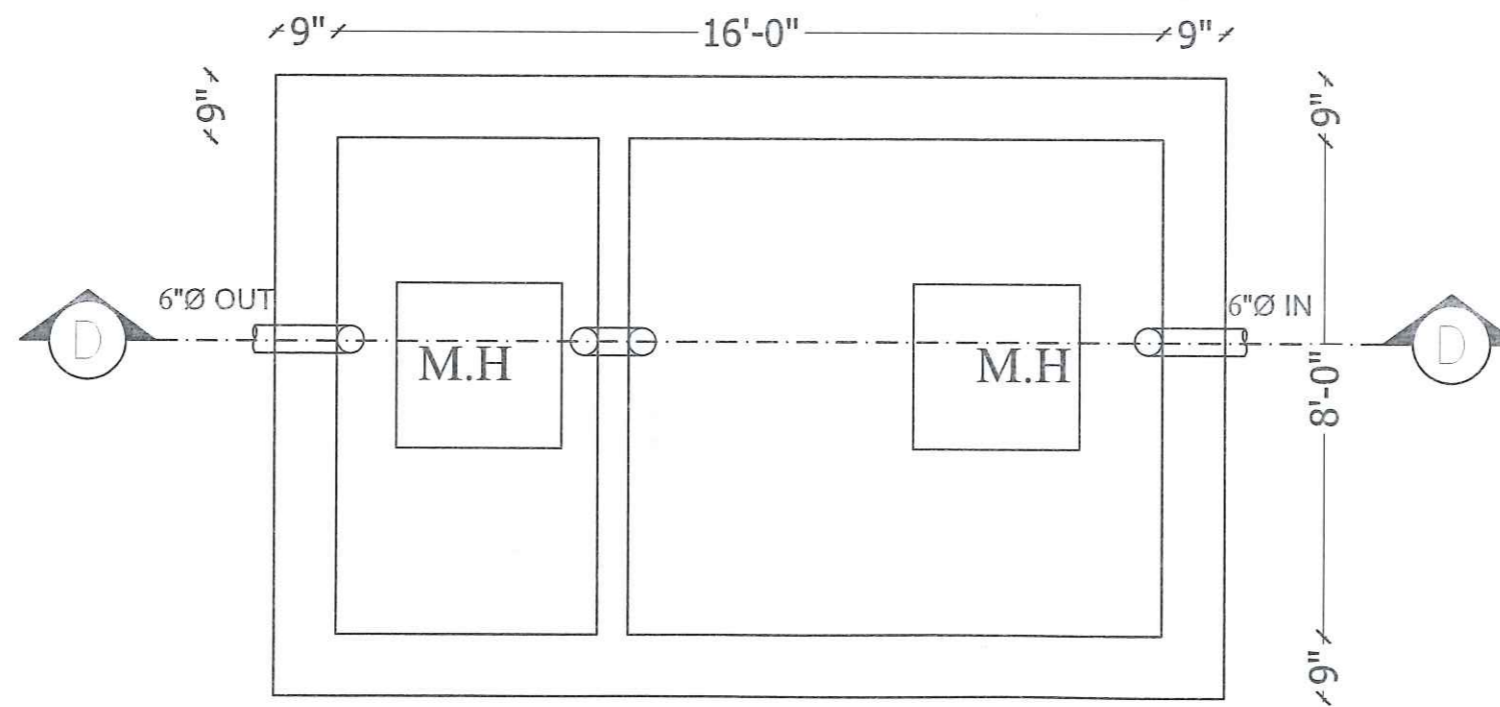
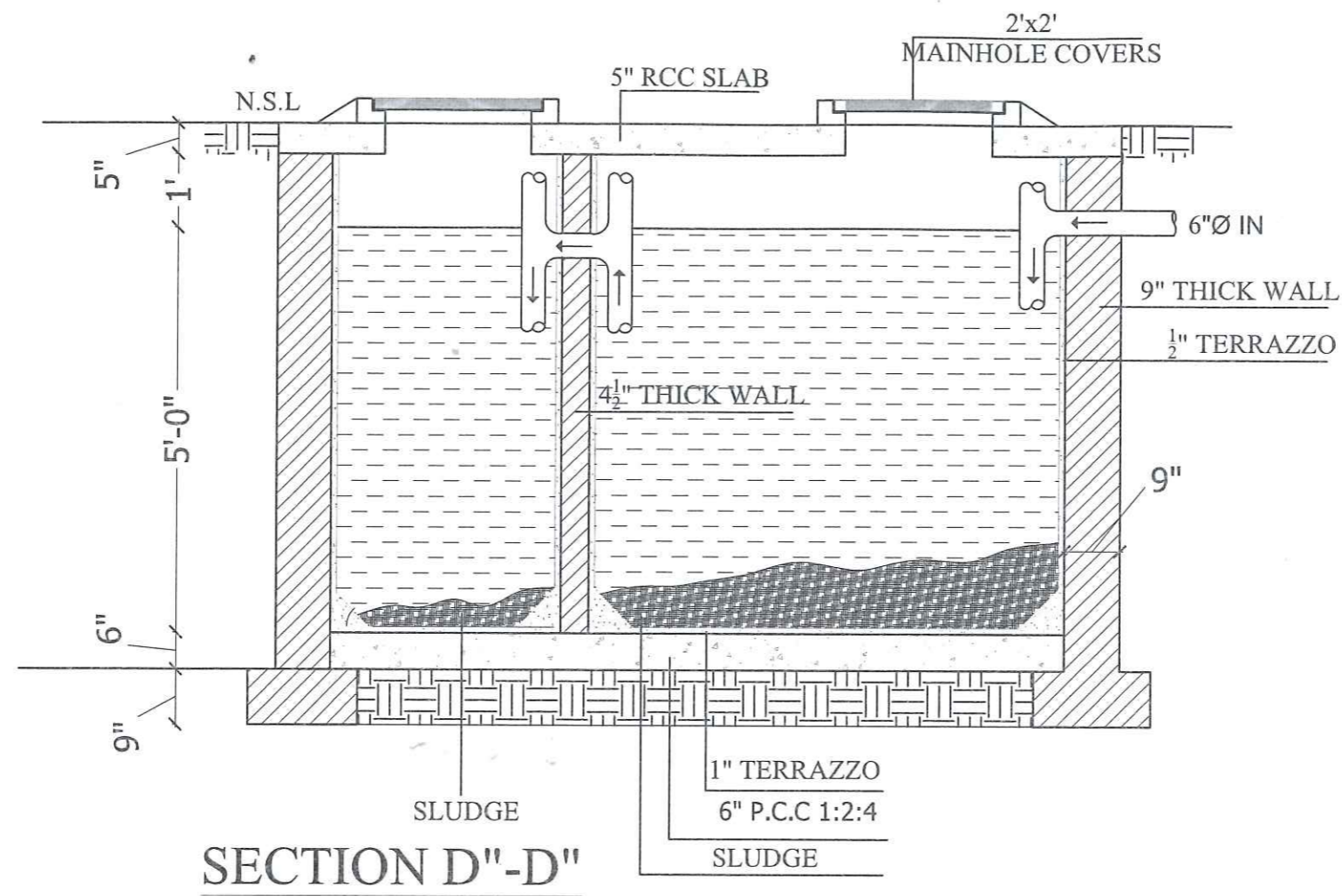
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ACADEMIC BLOCK			
DRAWING SECOND FLOOR PLAN		PROJECT NO. AEC-.....	
		DRAWING NO. S - 04	
ENGINEER SOHAIL	CHECKED BY MRS. SHAHINE KHAN		
DRAWN IMRAN	SCALE AS SHOWN	DATE AUG 2023	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS • 19 - A, GULBERG-II - LAHORE PH: 5758433 / 5750752			



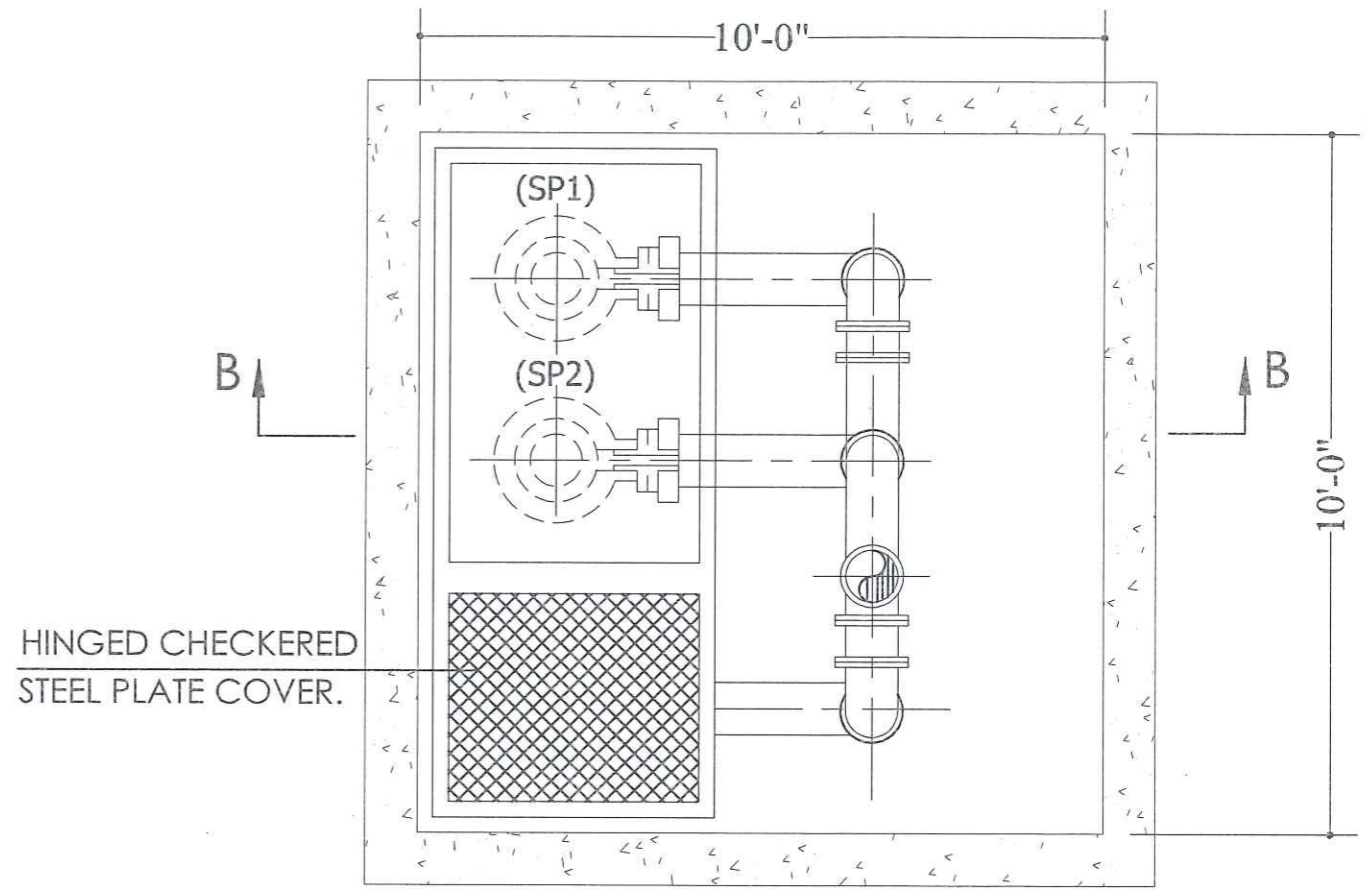
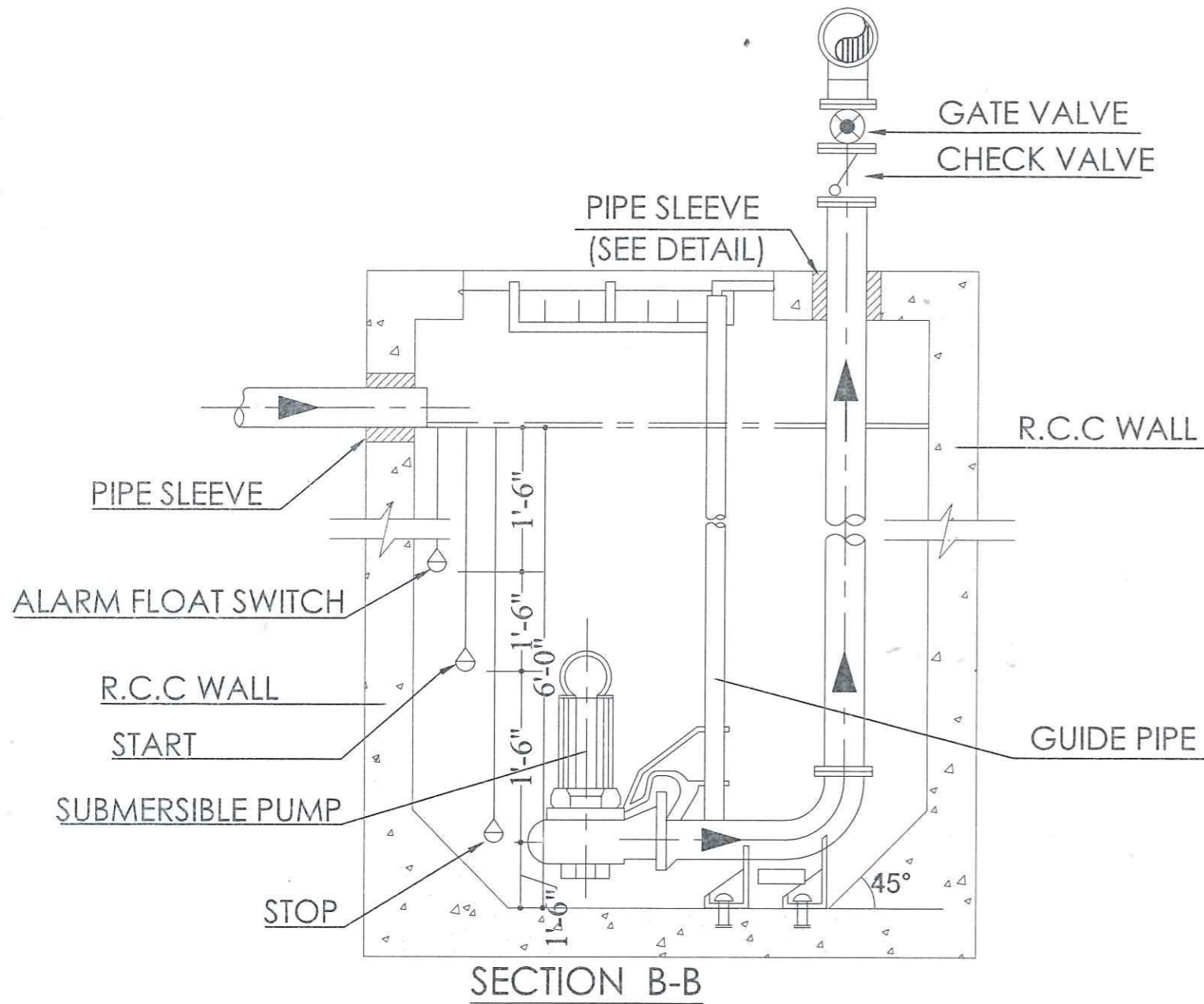
ROOF TOP PLAN



WOMEN UNIVERSITY CAMPUS MALAKAND			
ACADEMIC BLOCK			
DRAWING TOP ROOF PLAN		PROJECT NO. AEC-... DRAWING NO. S - 05	
ENGINEER SOHAIL	CHECKED BY MRS. SHAHINE KHAN		
DRAWN IMRAN	SCALE AS SHOWN	DATE AUG 2023	
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WOMEN UNIVERSITY CAMPUS MALAKAND ACADEMIC BLOCK			
DRAWING		PROJECT NO.	
SEPTIC TANK DETAIL		AEC-...	
DRAWING NO.		DRAWING NO.	
S - 06		S - 06	
ENGINEER	SOHAIL	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	IMRAN	SCALE	AS SHOWN
		DATE	AUG 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS. 19 - A, GULBERG - II, LAHORE PH: 5758433 / 5758752			



PLAN
**SUBMERSIBLE PUMP &
 SUMP DETAILS
 SUMP PIT 01)**

EQUIPMENT SCHEDULE										
S.NO	ITEM DESCRIPTION	TYPE	CAPACITY (EACH PUMP)	HEAD (F)	MOTOR	ELECT DETAILS			REMARKS	SUMP PIT SIZE (feet)
01	WASTE WATER PUMP	SUBMERSIBLE SUMP PUMP	70 GPM	40	(HP)	V	PH	HZ	WORKING/STAND BY PUMP	(10'X10'X6')
SUMP PUMPS (SP-1 & 2)					2.5	220	1	50	1 WORKING+1 STAND BY	

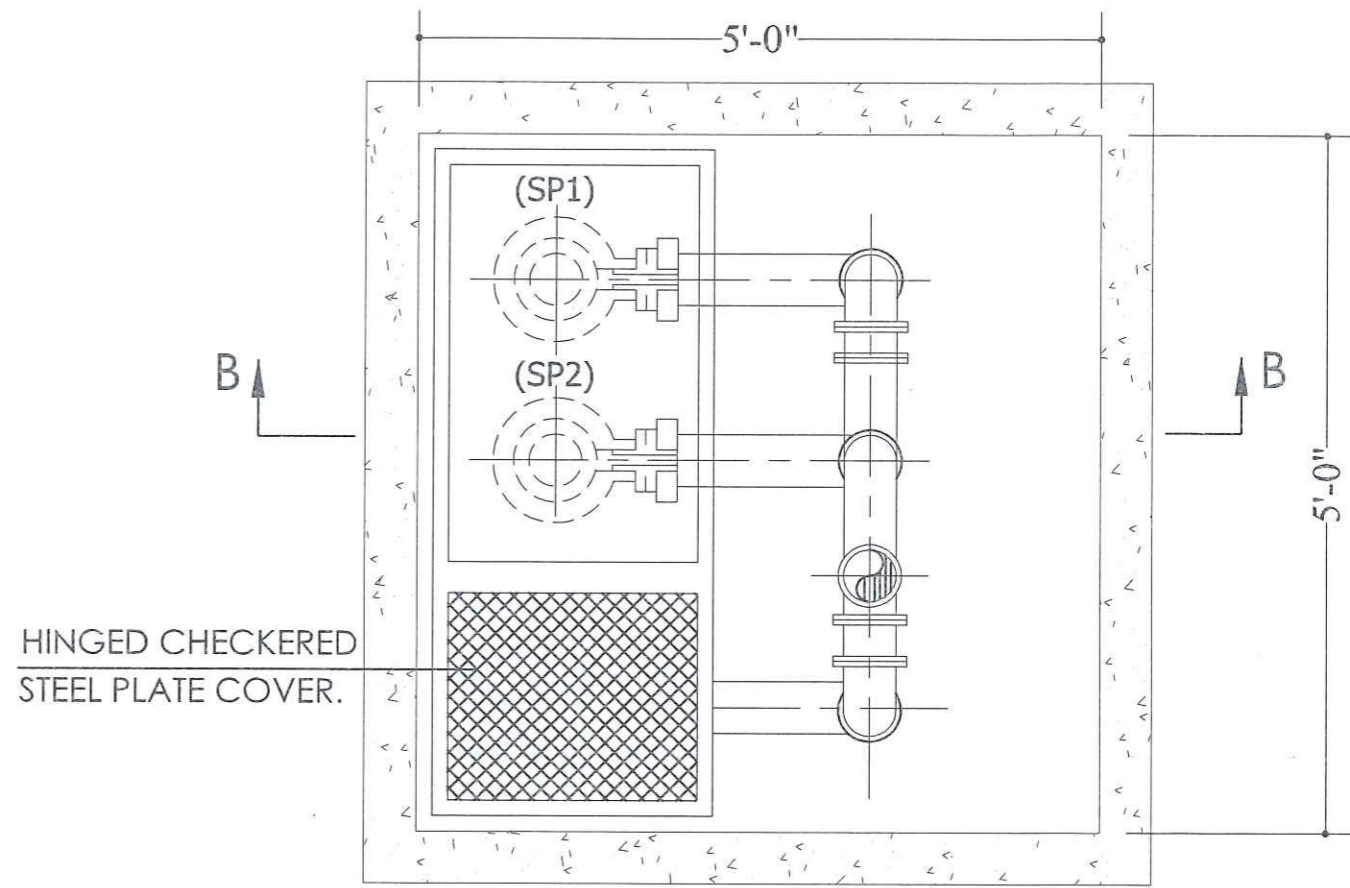
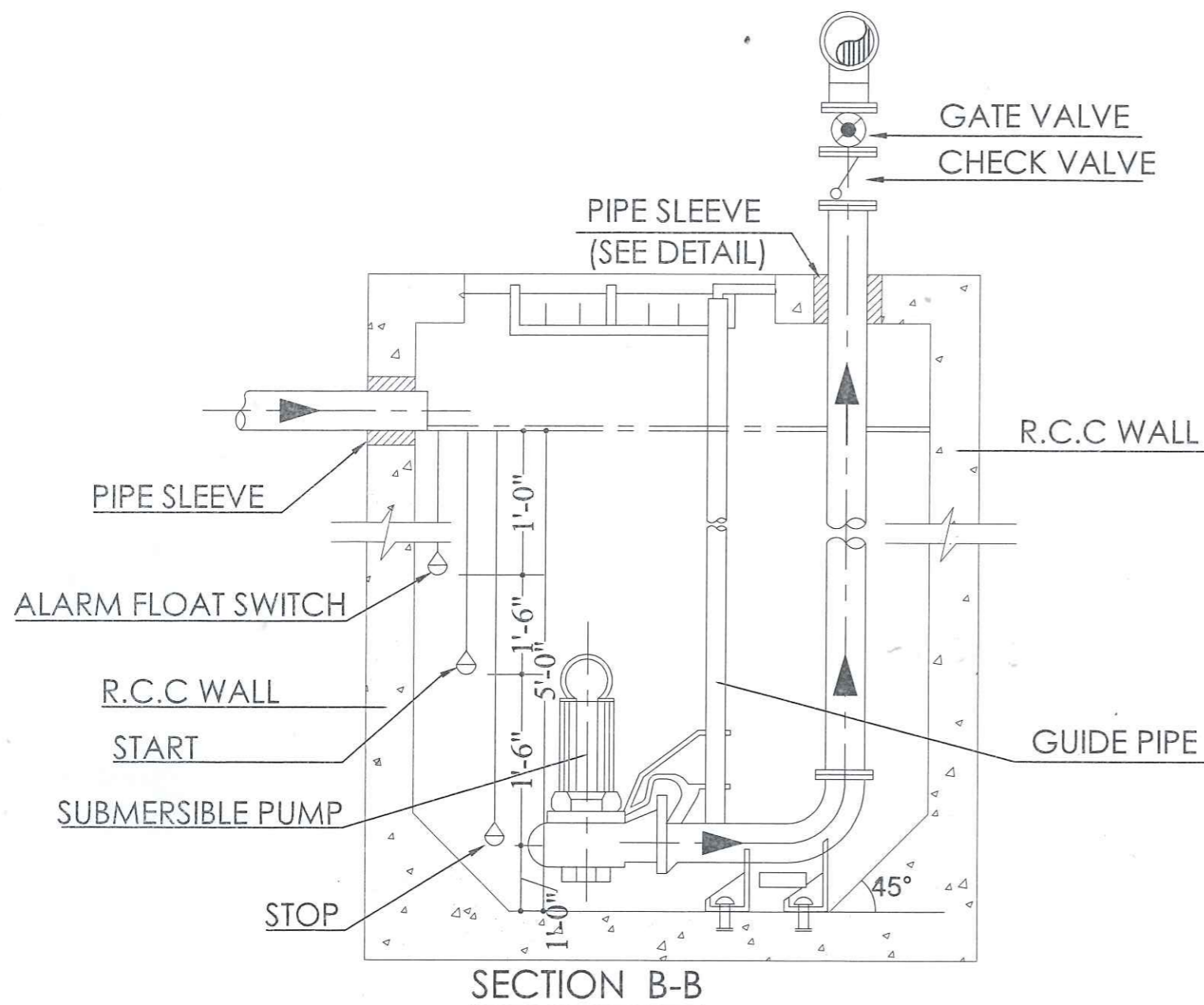


**WOMEN UNIVERSITY
 CAMPUS MALAKAND**
 ACADEMIC BLOCK

DRAWING	PROJECT NO.
SUMP PIT DETAIL 01	AEC-...
DRAWING NO.	DATE
S - 07	AUG 2023

ENGINEER	CHECKED BY
SOHAIL	MRS. SHAHINE KHAN
DRAWN	SCALE
IMRAN	AS SHOWN

AEC ALLIED ENGINEERING CONSULTANTS (PVT.) LTD
 ENGINEERS • ENGINEERS • PLANNERS.
 19 - A, GULBERG - II, LAHORE PH: 5758433 / 5756752



PLAN
**SUBMERSIBLE PUMP &
 SUMP DETAILS
 SUMP PIT 02)**

EQUIPMENT SCHEDULE

S.NO	ITEM DESCRIPTION	TYPE	CAPACITY (EACH PUMP)	HEAD (F)	MOTOR	ELECT DETAILS			REMARKS	SUMP PIT SIZE (feet)
						V	PH	HZ		
01	WASTE WATER PUMP	SUBMERSIBLE SUMP PUMP	50 GPM	40	(HP)	V	PH	HZ	WORKING/STAND BY PUMP	(5'X5'X5')
SUMP PUMPS (SP-1 & 2)					2.25	220	1	50	1 WORKING+1 STAND BY	



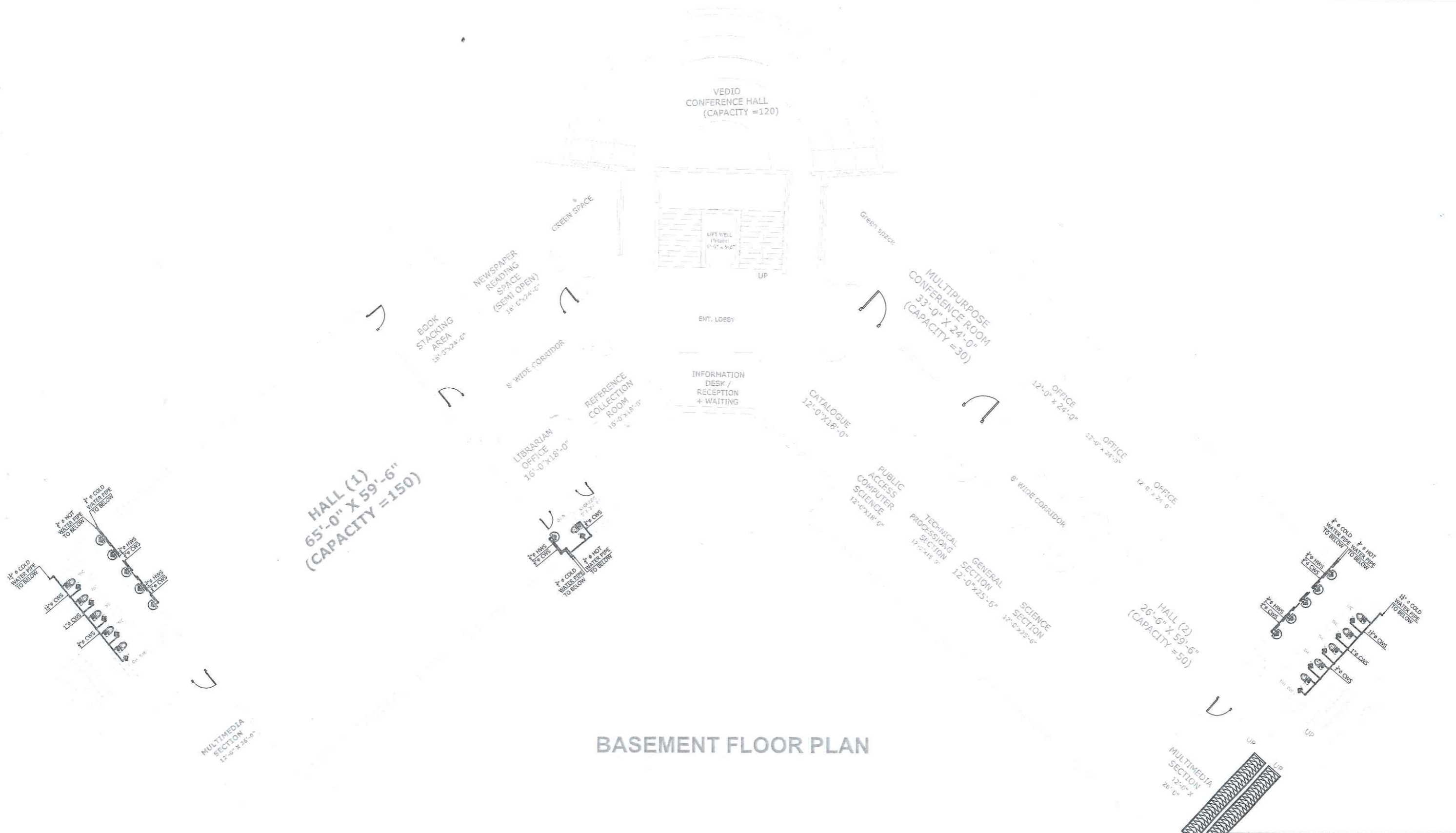
**WOMEN UNIVERSITY
 CAMPUS MALAKAND**

ACADEMIC BLOCK

DRAWING		PROJECT NO.	
SUMP PIT DETAIL 02		AEC-...	
DRAWING NO.		DATE	
S - 08		AUG 2023	
ENGINEER	SOHAIL	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	IMRAN	SCALE	AS SHOWN

AEC ALLIED ENGINEERING CONSULTANTS (PVT.) LTD
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 19 - A, GULBERG-II, LAHORE PH: 5758433 / 5756752

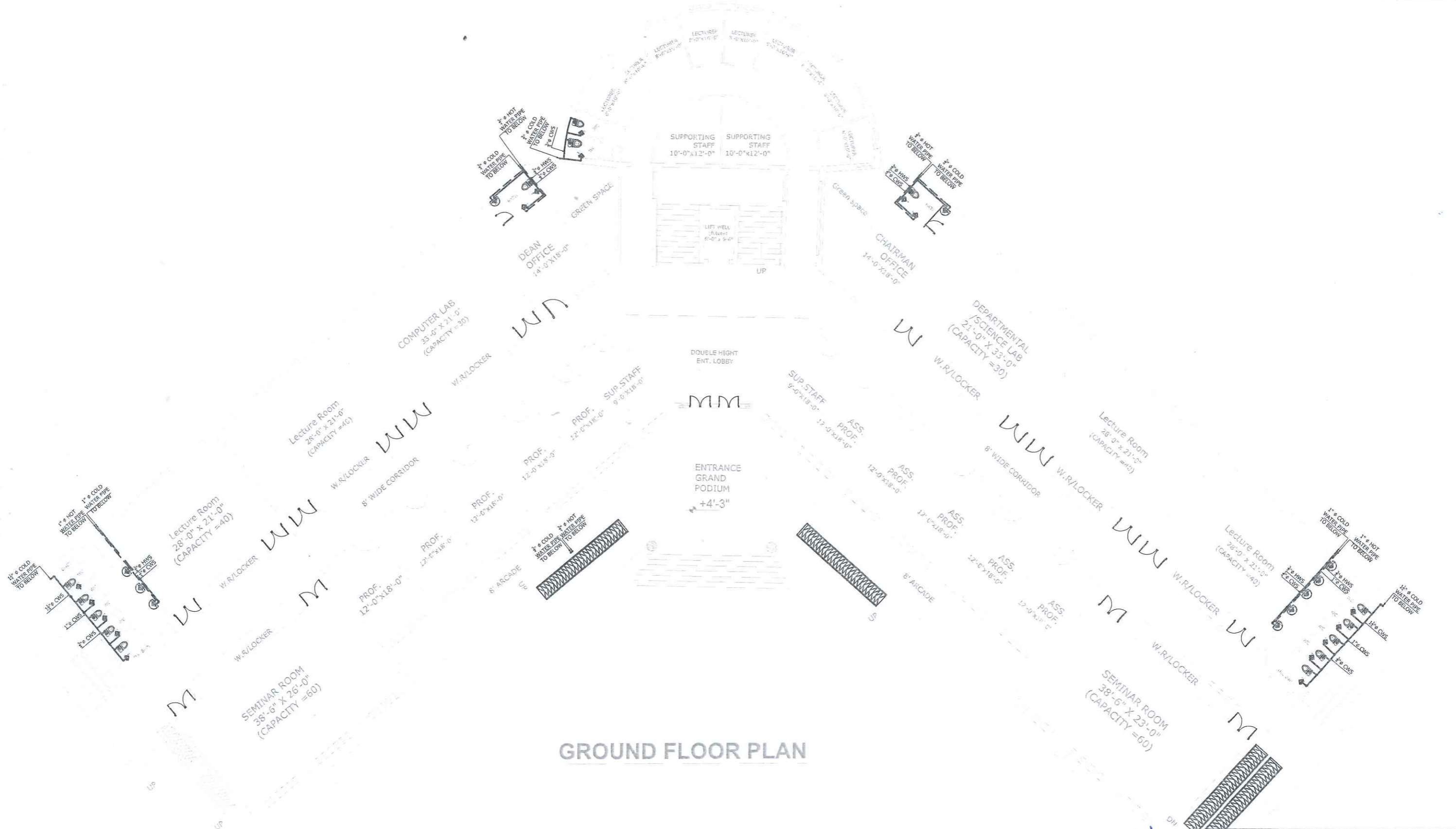
WATER SUPPLY



BASEMENT FLOOR PLAN



WOMEN UNIVERSITY CAMPUS MALAKAND	
ACADEMIC BLOCK	
DRAWING	PROJECT NO.
BASMENT FLOOR	AEC-.../...
ENGINEER	DRAWING NO.
SOHAIL	W.S - 01
CHECKED BY	DATE
MRS. SHAHINE KHAN	AUG 2023
SCALE	AS SHOWN
ASIM	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS • 19 - A, GULBERG - II, LAHORE PH: 5758433 / 5758752	

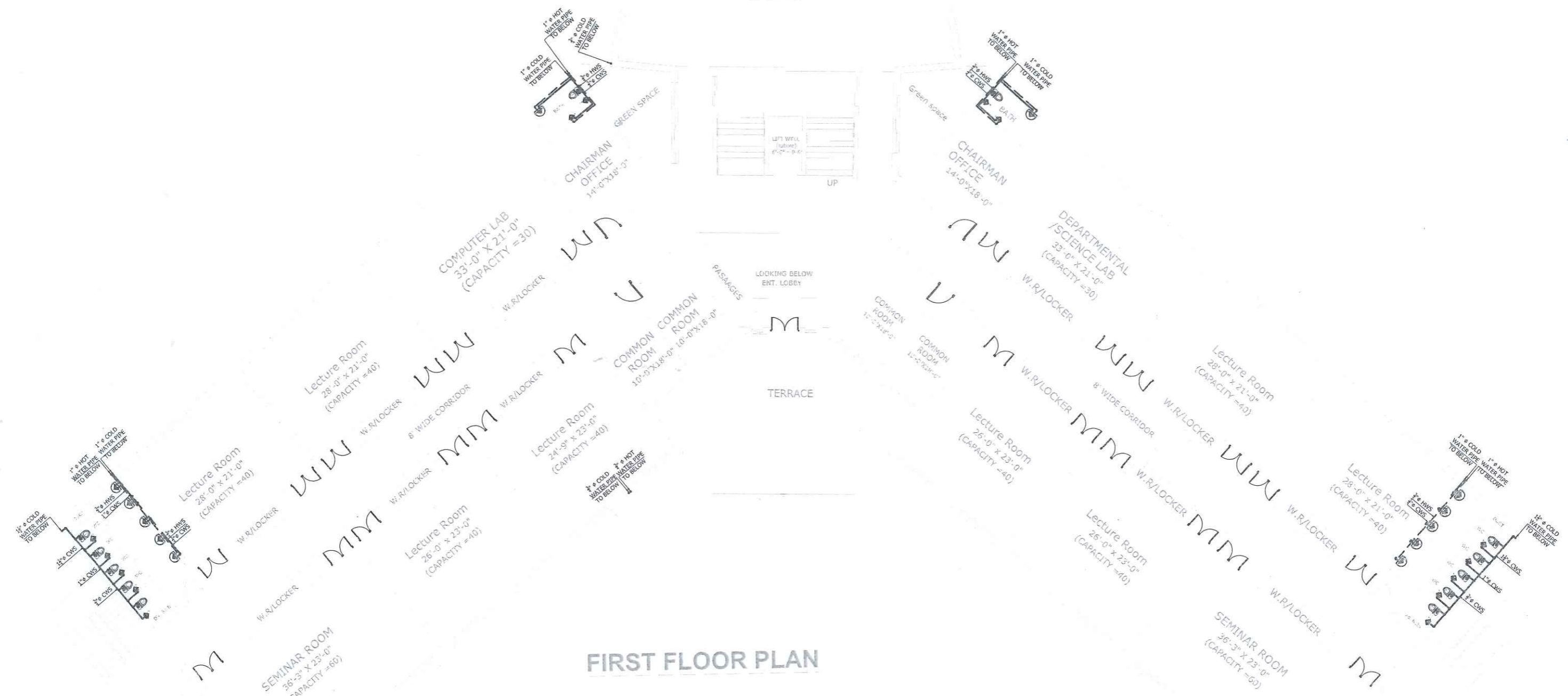


GROUND FLOOR PLAN



WOMEN UNIVERSITY CAMPUS MALAKAND			
ACADEMIC BLOCK			
DRAWING		PROJECT NO.	
GROUND FLOOR		AEC-...	
		DRAWING NO.	
		W.S - 02	
ENGINEER	SOHAIL	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	AUG 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS • 19-A, GULBERG-II, LAHORE PH: 5758433 / 5758752			

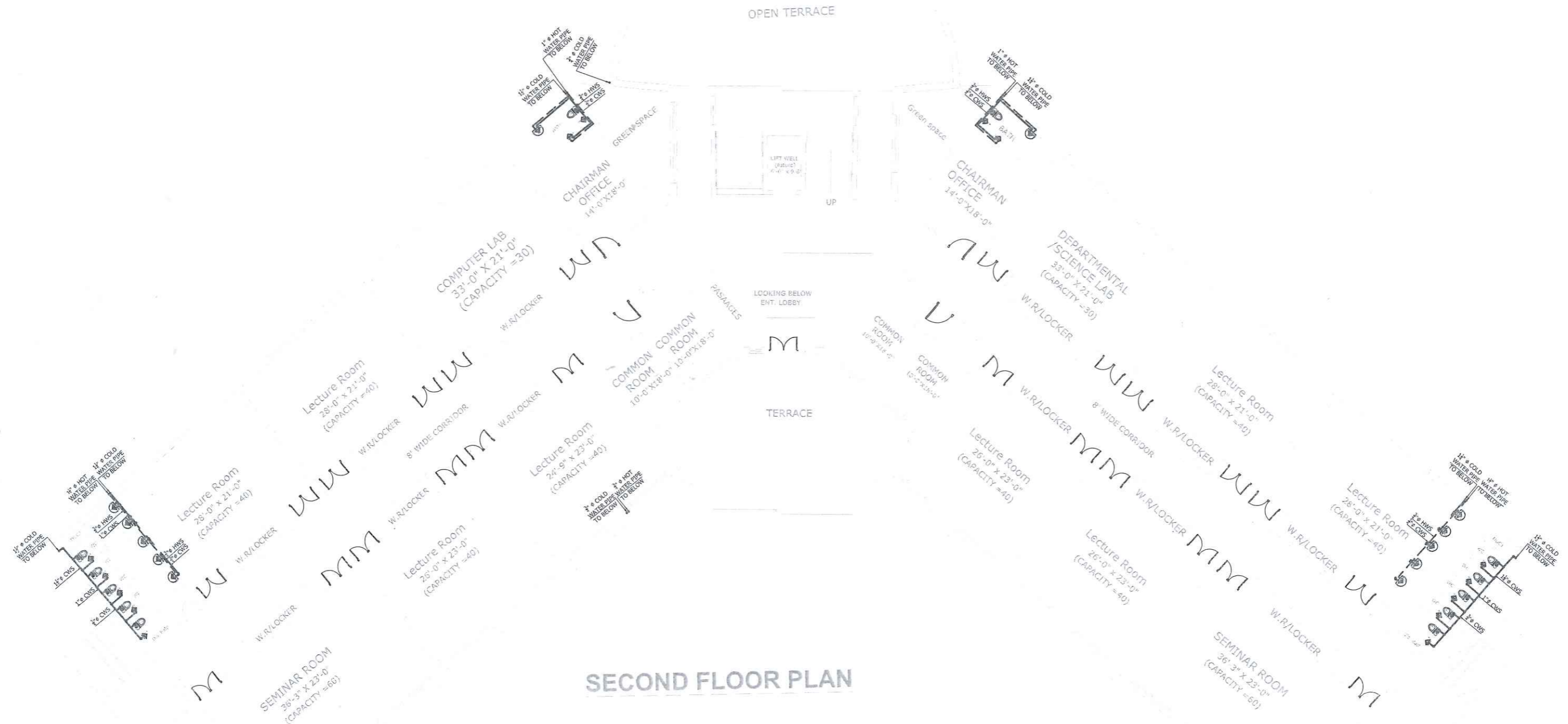
OPEN TERRACE



FIRST FLOOR PLAN



WOMEN UNIVERSITY CAMPUS MALAKAND			
ACADEMIC BLOCK			
DRAWING FIRST FLOOR		PROJECT NO. AEC-...	
		DRAWING NO. W.S - 03	
ENGINEER SOHAIL	CHECKED BY MRS. SHAHINE KHAN		
DRAWN ASIM	SCALE AS SHOWN	DATE AUG 2023	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS • 19-A, GULBERG-II, LAHORE. PH: 5758433 / 5759752			



SECOND FLOOR PLAN



WOMEN UNIVERSITY CAMPUS MALAKAND			
ACADEMIC BLOCK			
DRAWING		PROJECT NO.	
SECOND FLOOR PLAN		AEC-1...	
		DRAWING NO.	
		W.S - 04	
ENGINEER	CHECKED BY		
SOHAIL	MRS. SHAHINE KHAN		
DRAWN	SCALE	DATE	
ASIM	AS SHOWN	AUG 2023	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ENGINEERS • ENGINEERS • PLANNERS. 19 - A, GULBERG-II, LAHORE PH: 5758433 / 5758752			

CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

**ESTABLISHMENT OF WOMEN
SUB CAMPUS AT BAKHELA,
UNIVERSITY OF MALAKAND**

DRAWING

**STUDENT HOSTEL
ARCHITECTURAL DRAWINGS**

PROJECT NO.

AEC-602/2022

DRAWING NO.

ARCHITECT

AR.BAQIR ALI

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

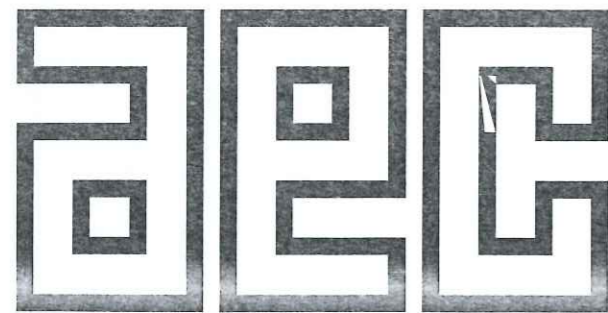
ASIM

SCALE

AS SHOWN

DATE

JULY 2024



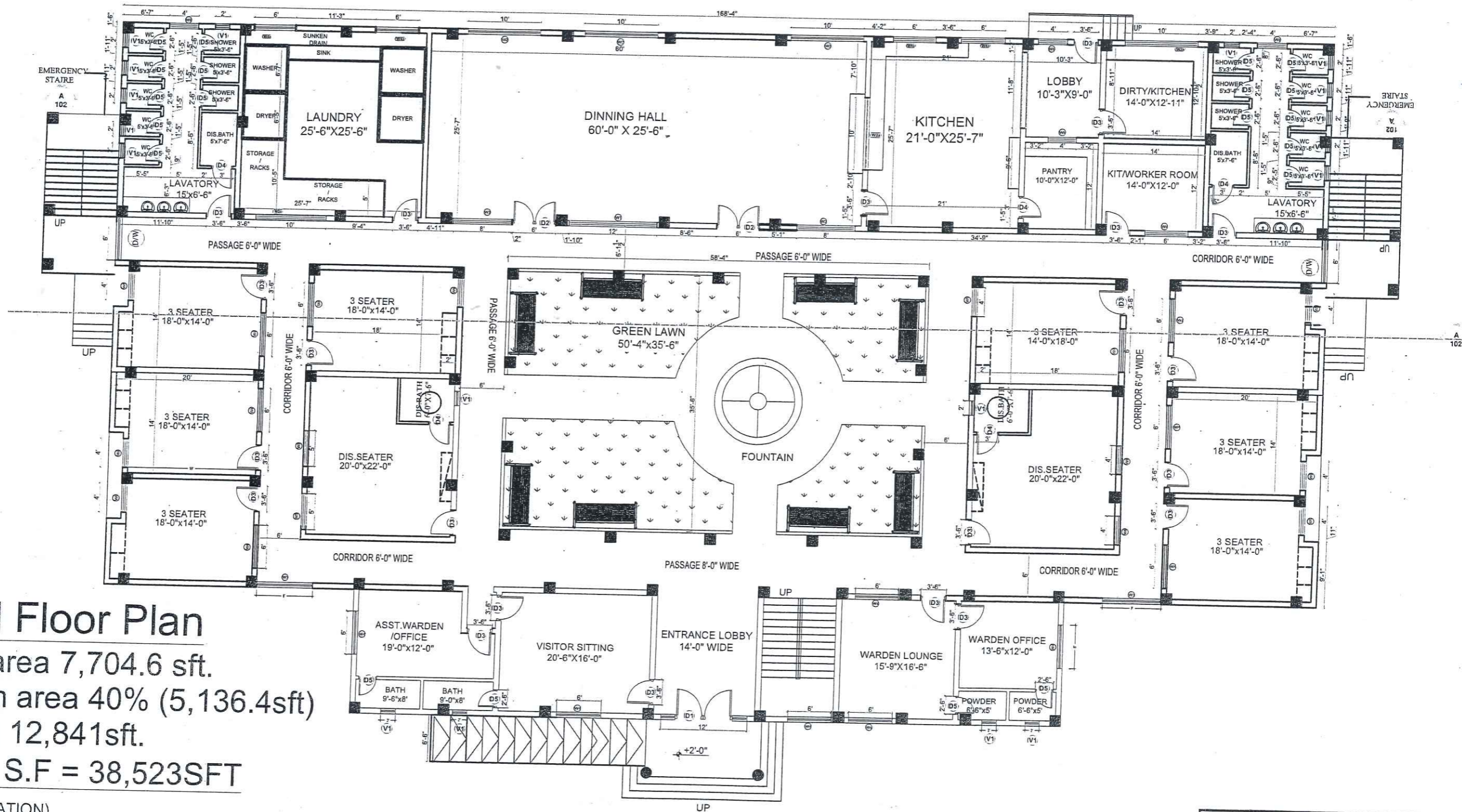
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD

ARCHITECTS.

ENGINEERS .

PLANNERS.

19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752



Ground Floor Plan

Covered area 7,704.6 sft.


Circulation area 40% (5,136.4sft)

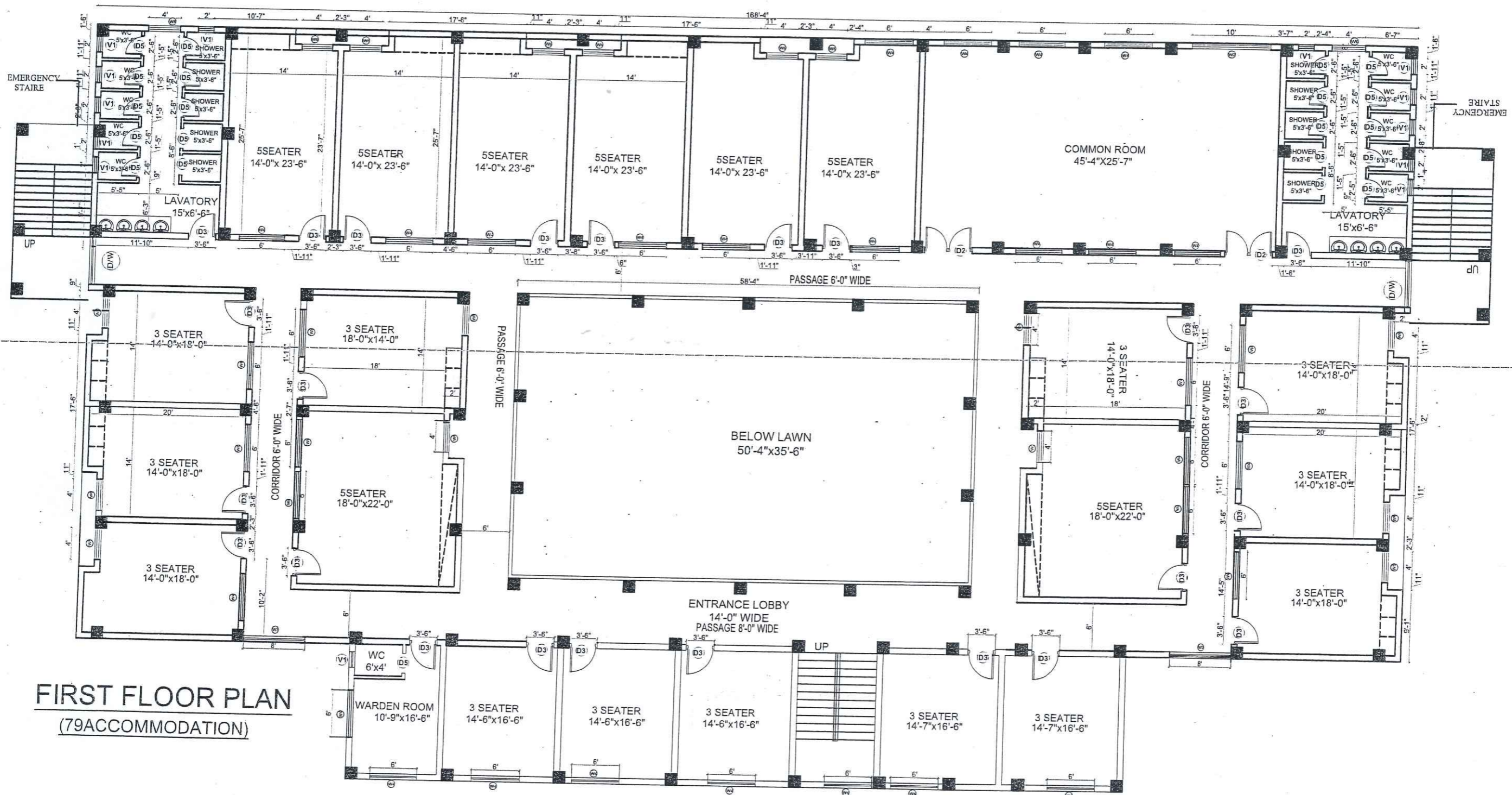
Total area 12,841sft.

G.F+F.F+ S.F = 38,523SFT

(30 ACCOMMODATION)




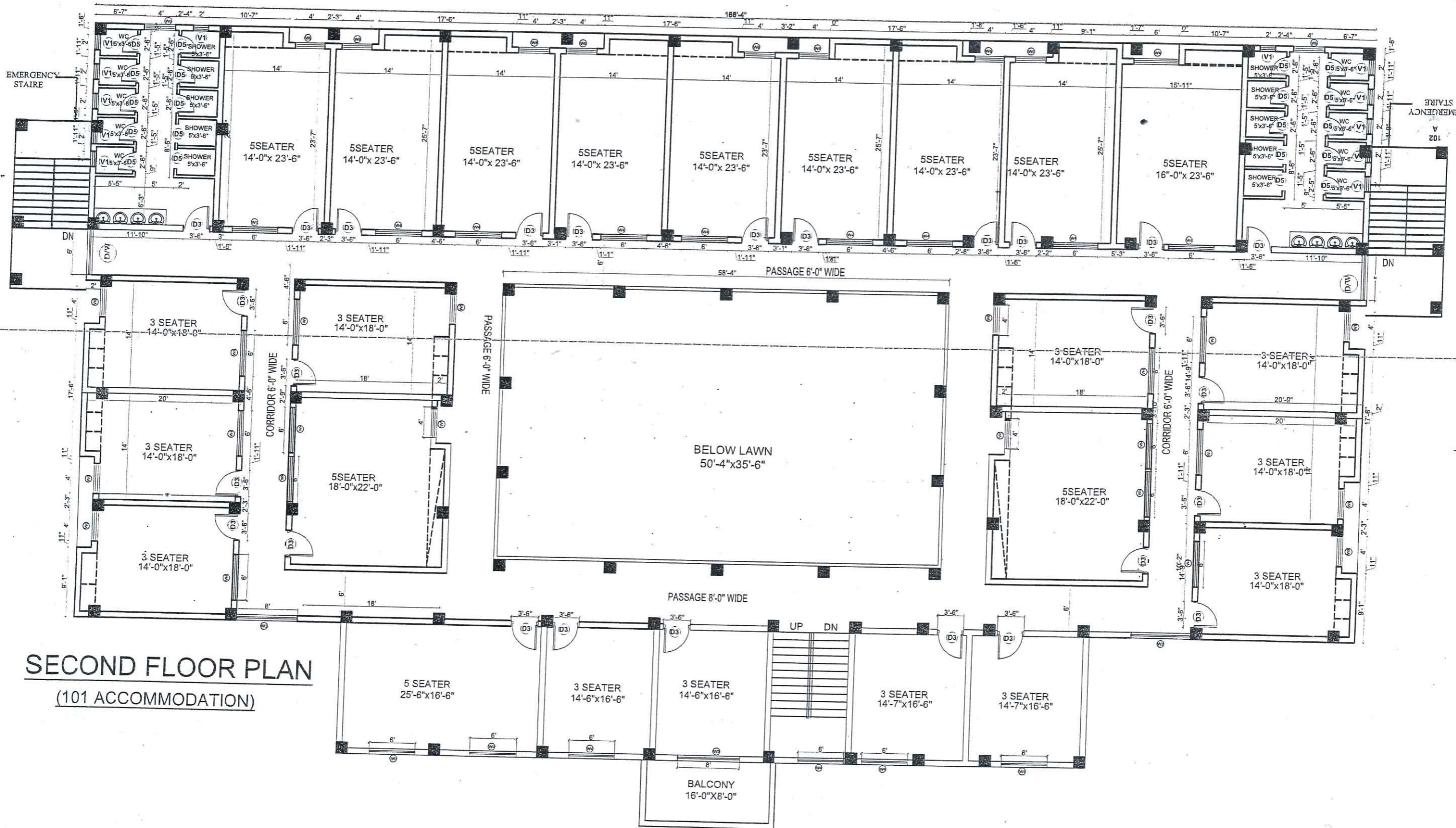
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: GROUND FLOOR PLAN	PROJECT NO. AEC-602/2022 DRAWING NO. A-1
ARCHITECT: AR.BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JANUARY 2024
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS • ENGINEERS • PLANNERS 19-A, GULBERG-II, LAHORE. P.H. 578433 / 5756752	



FIRST FLOOR PLAN
(79ACCOMMODATION)



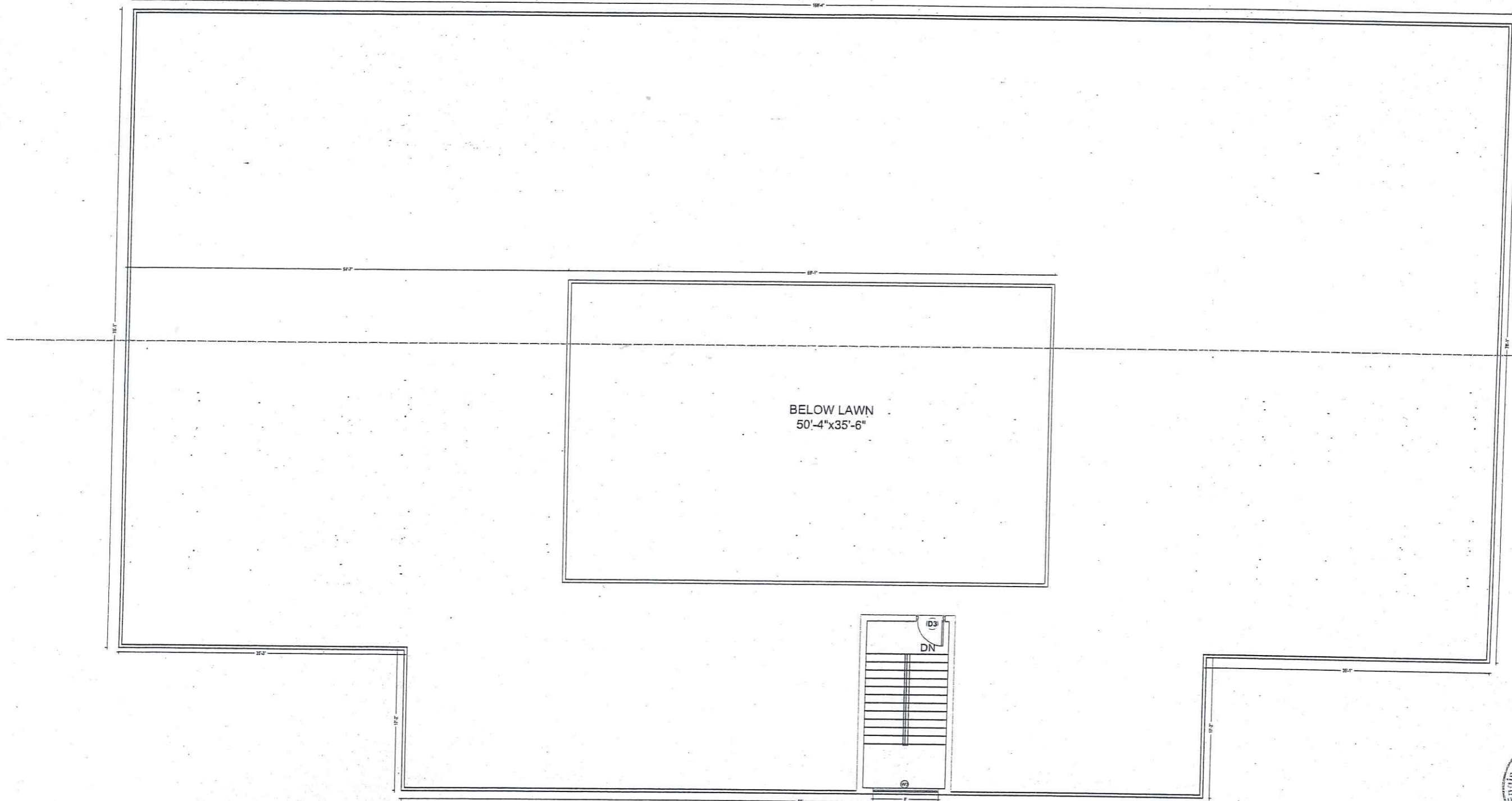
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: FIRST FLOOR PLAN	PROJECT NO. AEC-602/2022 DRAWING NO. A-2
ARCHITECT: AR.BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JANUARY 2024
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE. P.H. 575433 / 5756752	



SECOND FLOOR PLAN
(101 ACCOMMODATION)




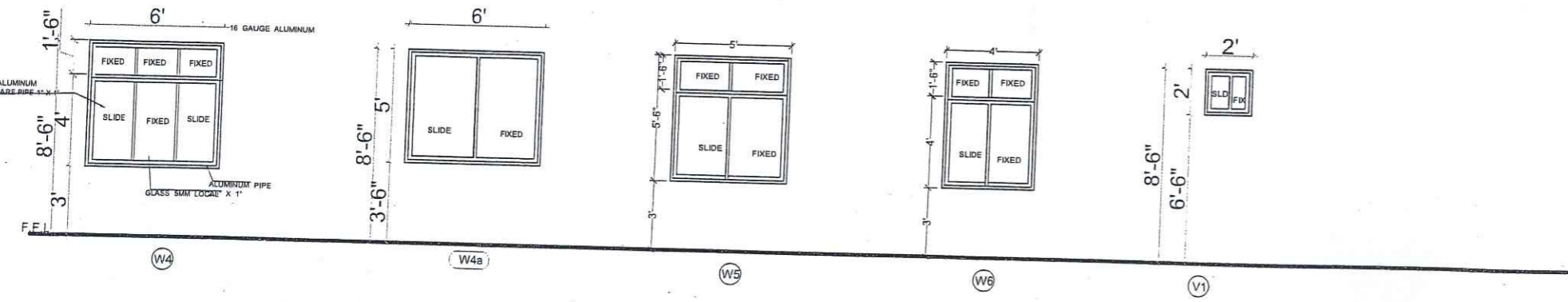
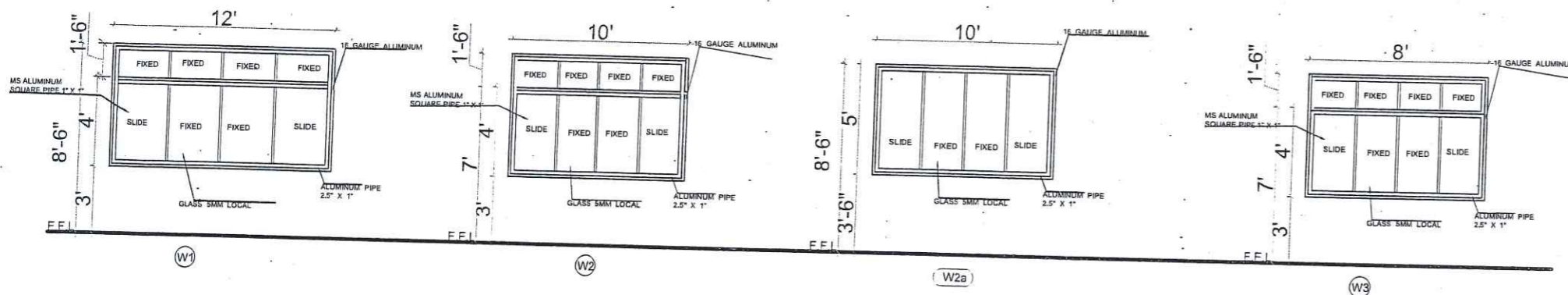
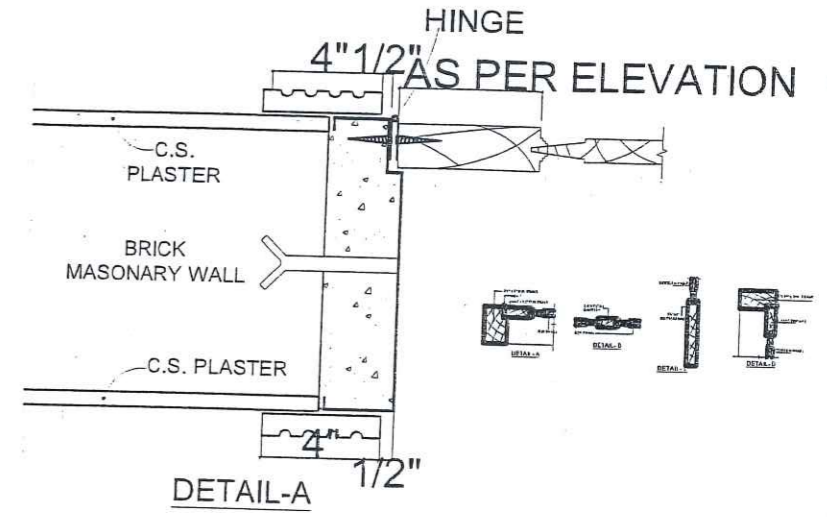
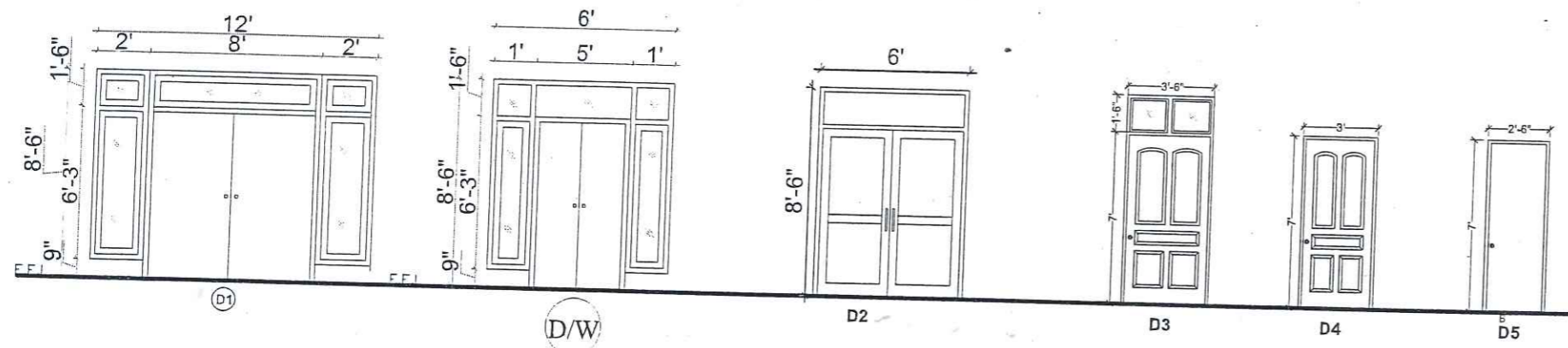
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: SECOND FLOOR PLAN	PROJECT NO. AEC-602/2022 DRAWING NO. A-3
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS • ENGINEERS • PLANNERS. <small>19 - A. GULBERG-II, LAHORE P.O. 5758433 / 5756752</small>	



**TOP FLOOR PLAN
COVERED 252 SFT**



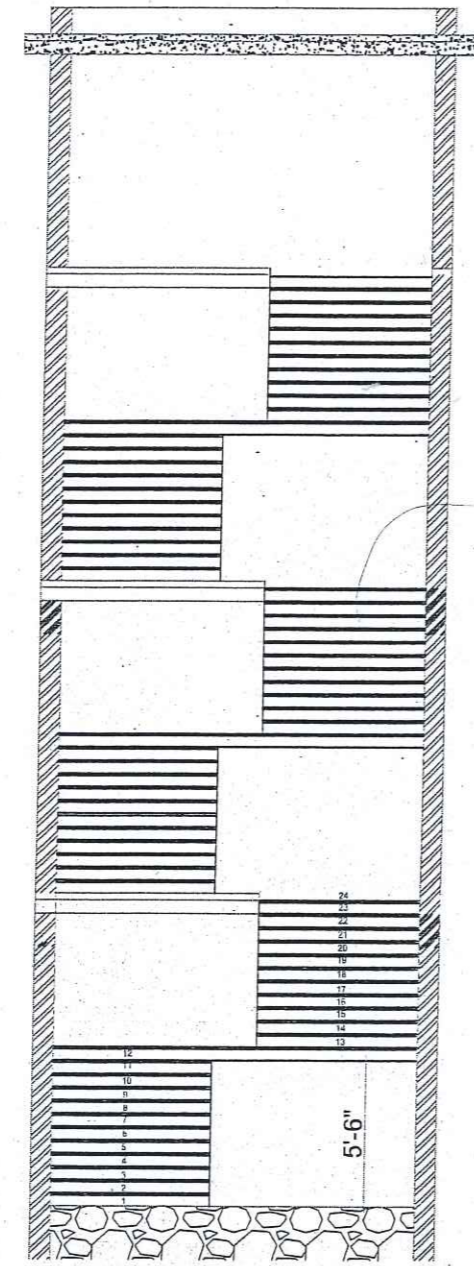
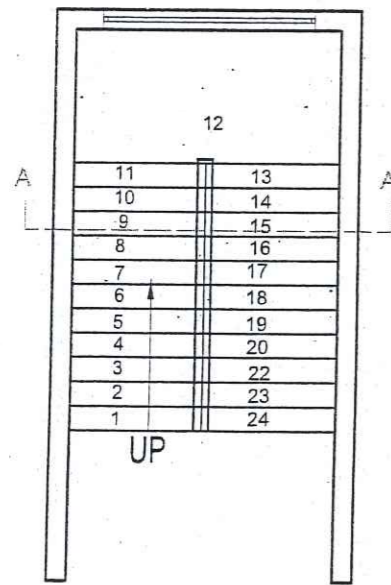
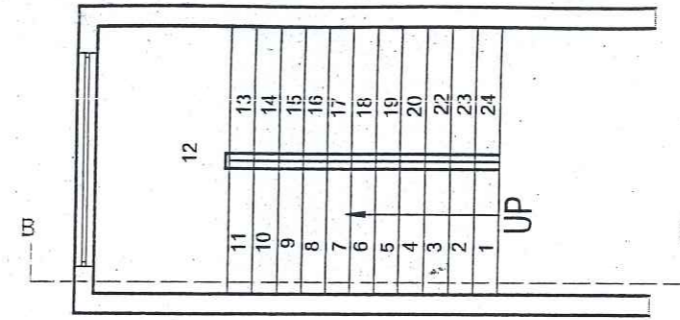
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND			
DRAWING		PROJECT NO.	
TOP FLOOR PLAN		AEC-602/2022	
		DRAWING NO.	
		A - 4	
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	DEC 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS · ENGINEERS · PLANNERS. 19-A, GULBERG-II, LAHORE. PHL: 37584831 / 37567532			



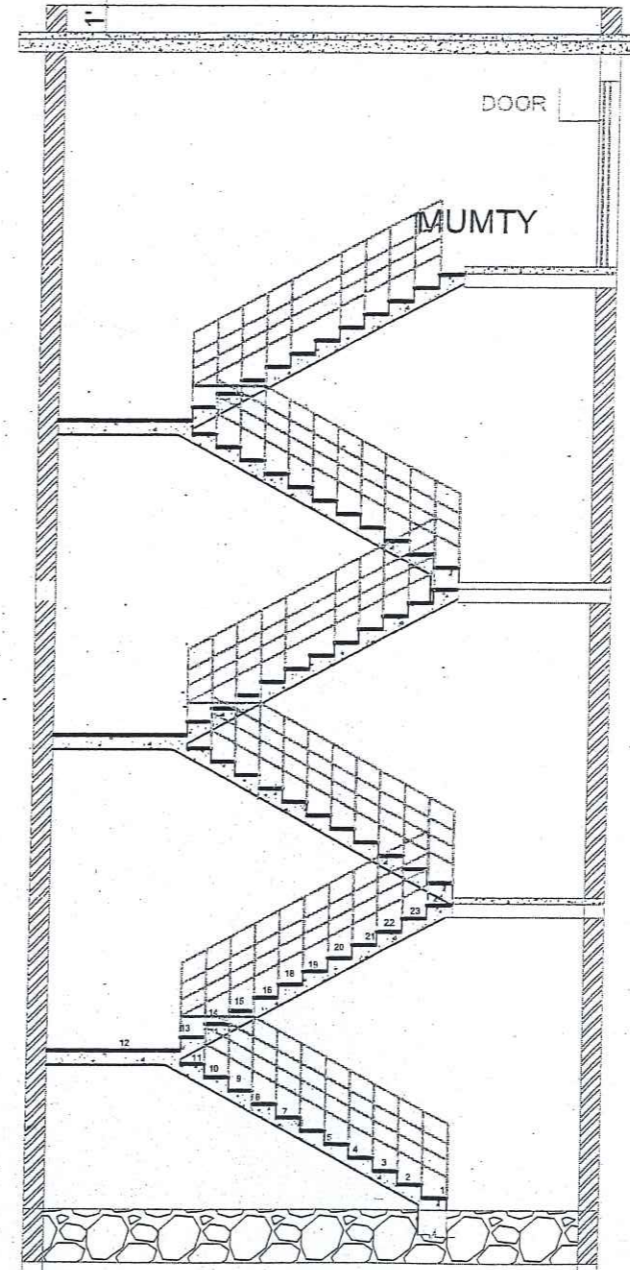
SCHEDULE OF DOORS AND WINDOWS			
NÖ.	SIZE	SILL	DESCRIPTION
D1	12'-0" x 8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
DW	8'-0" x 8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D2	6'-0" x 8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D3	3'-6" x 8'-6"	0'-0"	BRAZILIAN WOODEN DOOR AS PER SPEC
D4	3'-0" x 7'-0"	0'-0"	UPVC DOOR AS PER SPEC
D5	2'-6" x 7'-0"	0'-0"	UPVC DOOR AS PER SPEC
W1	12'-0" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
W2	10'-6" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
W2a	10'-0" x 5'-0"	3'-6"	ALUMINUM WINDOWS AS PER SPEC
W3	8'-0" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
W4	6'-0" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
W4a	6'-0" x 5'-0"	3'-6"	ALUMINUM WINDOWS AS PER SPEC
W5	5'-0" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
W6	4'-0" x 5'-6"	3'-0"	ALUMINUM WINDOWS AS PER SPEC
V1	2'-0" x 2'-0"	6'-6"	ALUMINUM VENT AS PER SPEC



CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
DRAWING: OPENING OF DOORS WINDOWS	PROJECT NO: AEC-602/2022 DRAWING NO: A-5
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN
DATE: JANUARY 2024	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS. ENGINEERS. PLANNERS.	



SECTION AT A.A

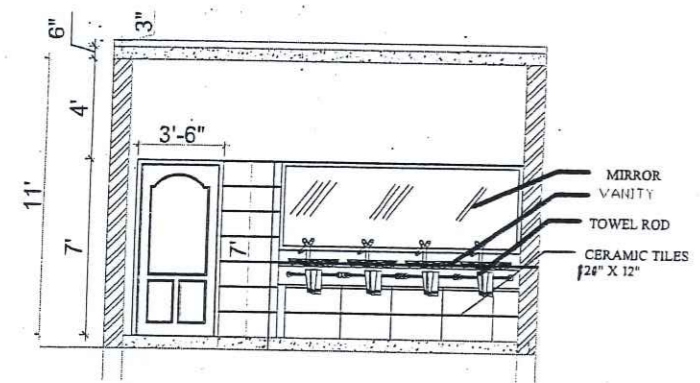
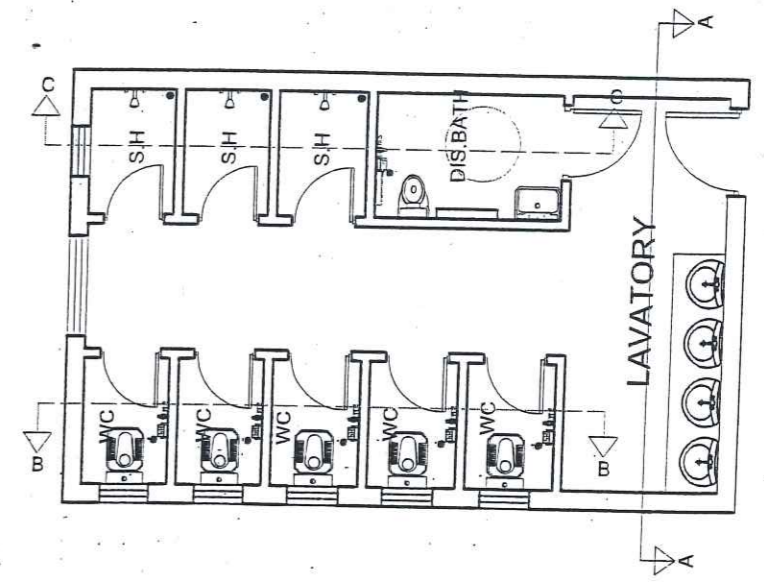
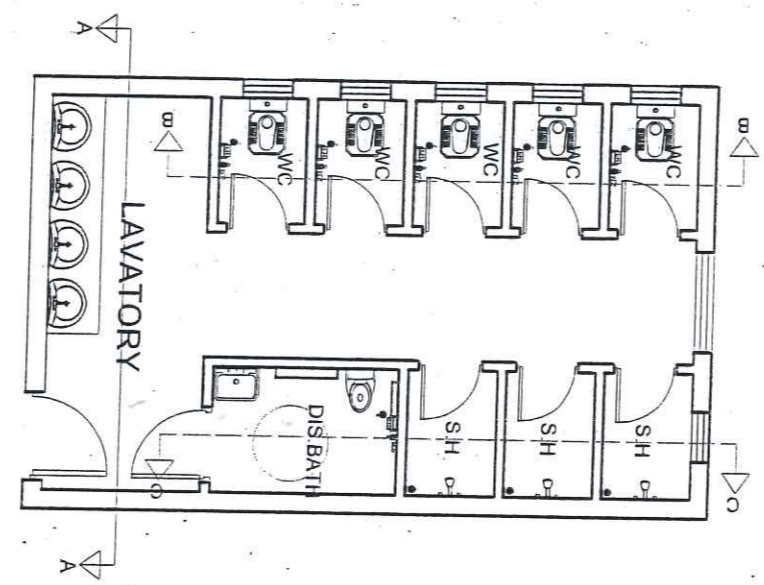
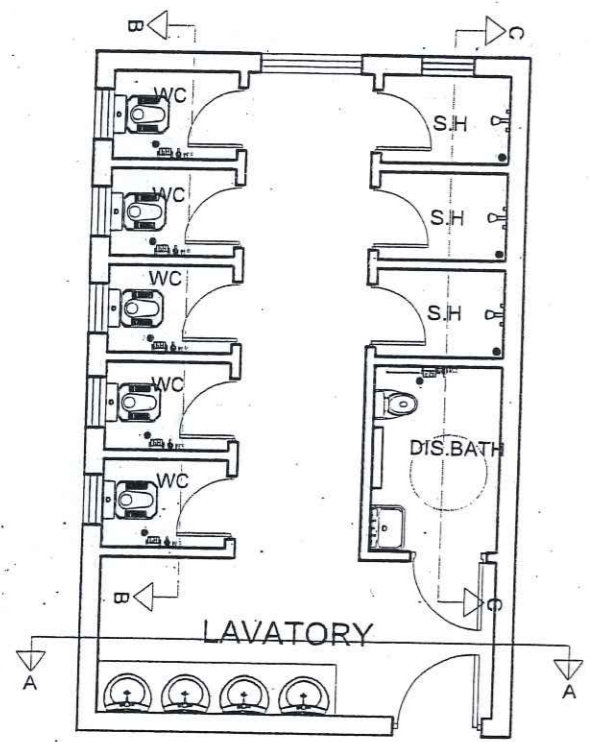


SECTION AT B.B

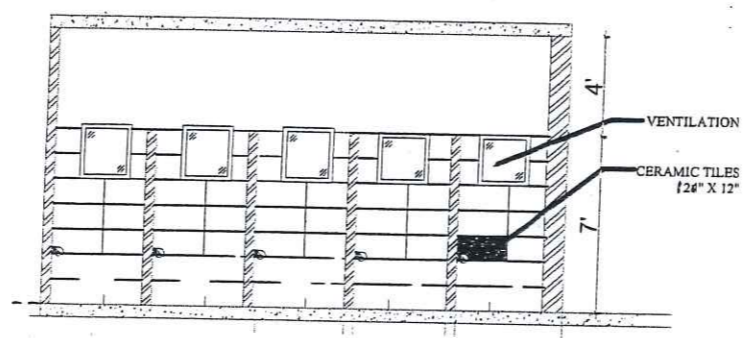
STAIR DETAIL



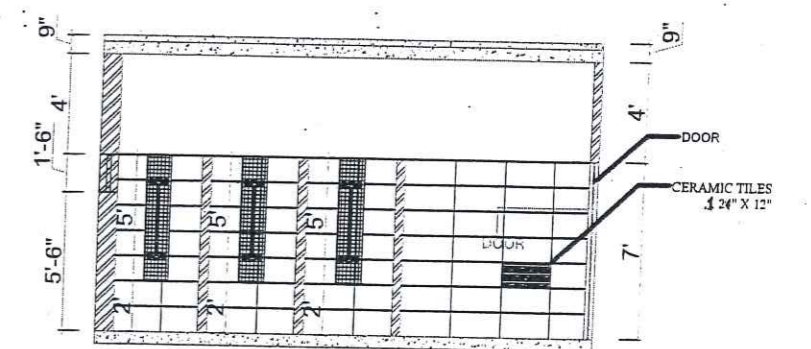
CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND			
DRAWING		PROJECT NO. AEC-602/2022	
TYPICAL STAIR DETAIL		DRAWING NO. A - 12	
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	DEC 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS. 19 - A. GULBERG-II - LAHORE PH: 5756463 / 5756752			



ELEVATION A-A

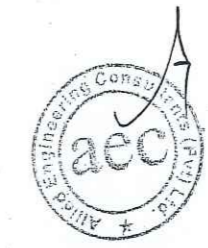


ELEVATION B-B

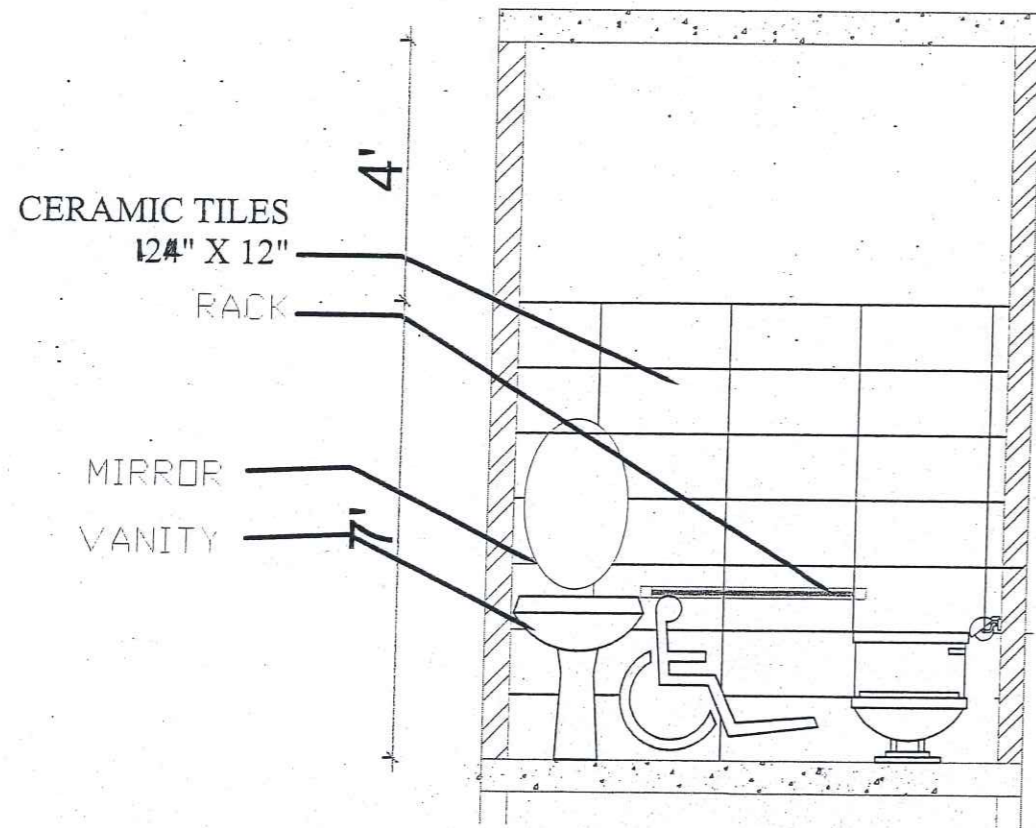
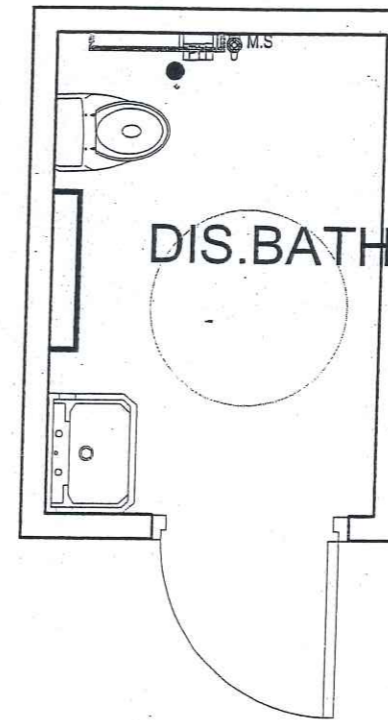
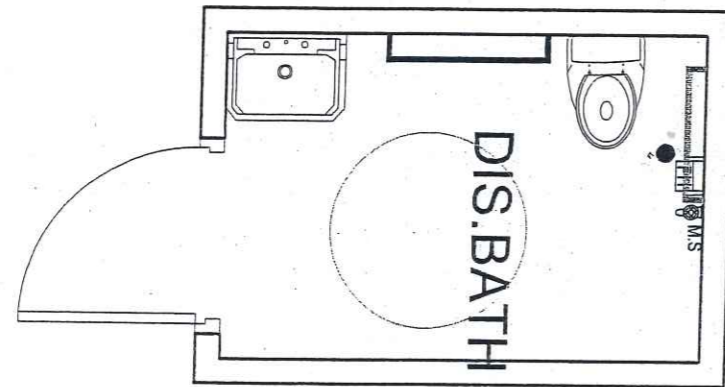


ELEVATION C-C

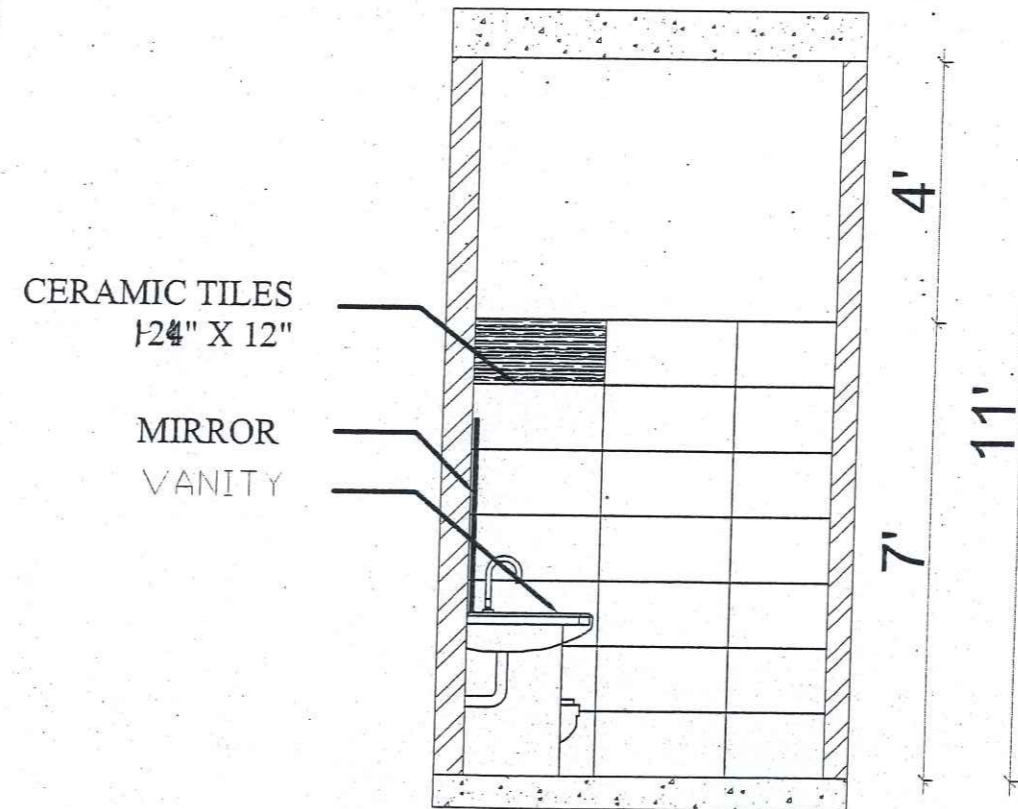
LAVATORY BLOCK TYPICAL DETAILS



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME:			
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND			
DRAWING		PROJECT NO.	
LAVATORY BLOCK TYPICAL DETAILS		AEC-602/2022	
		DRAWING NO.	
		A - 12	
ARCHITECT	AR. BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS. <small>19 - A, GULBERG-II - LAHORE P.H: 5756433 / 5756752</small>			




ELEVATION

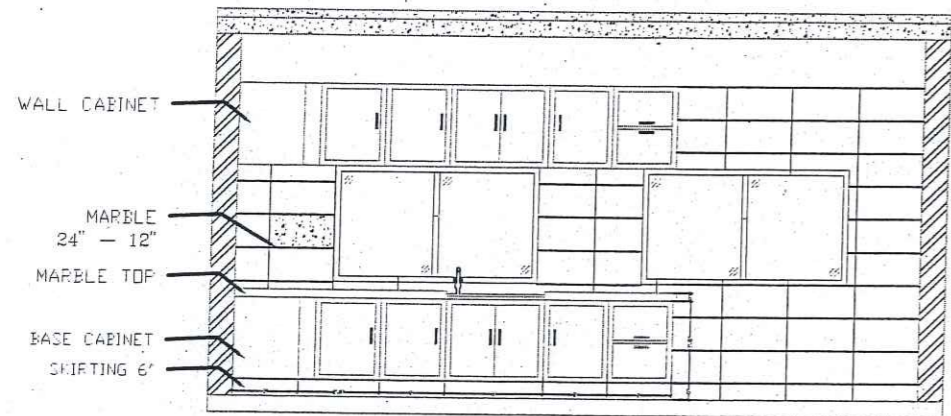
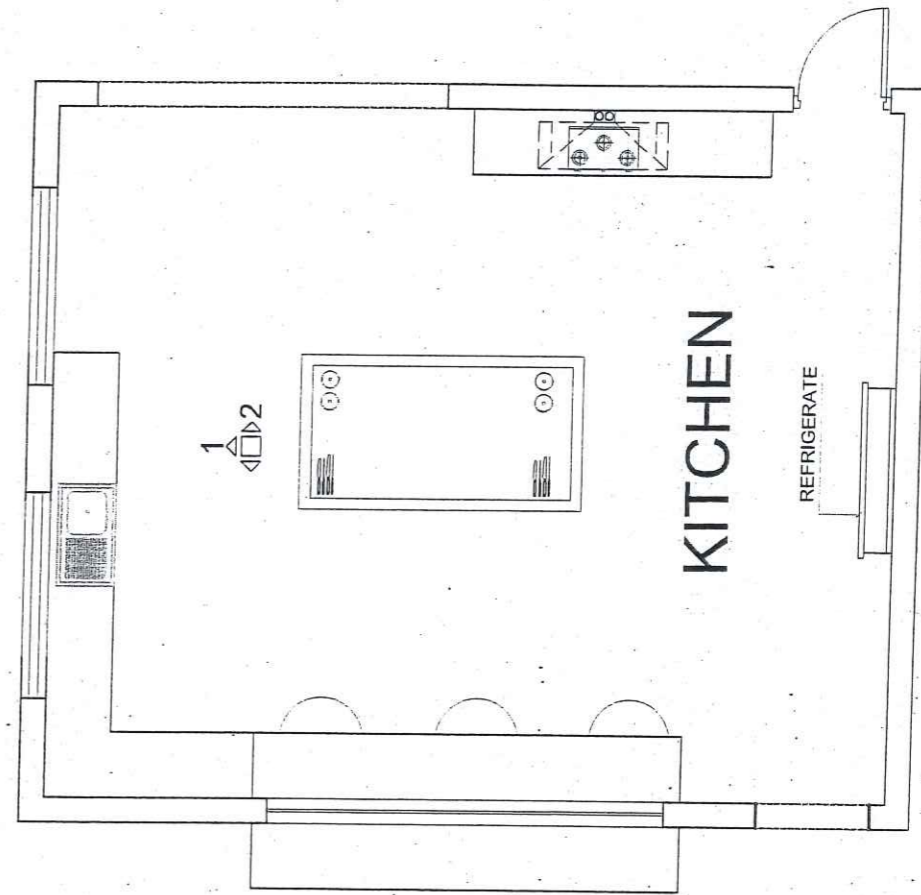
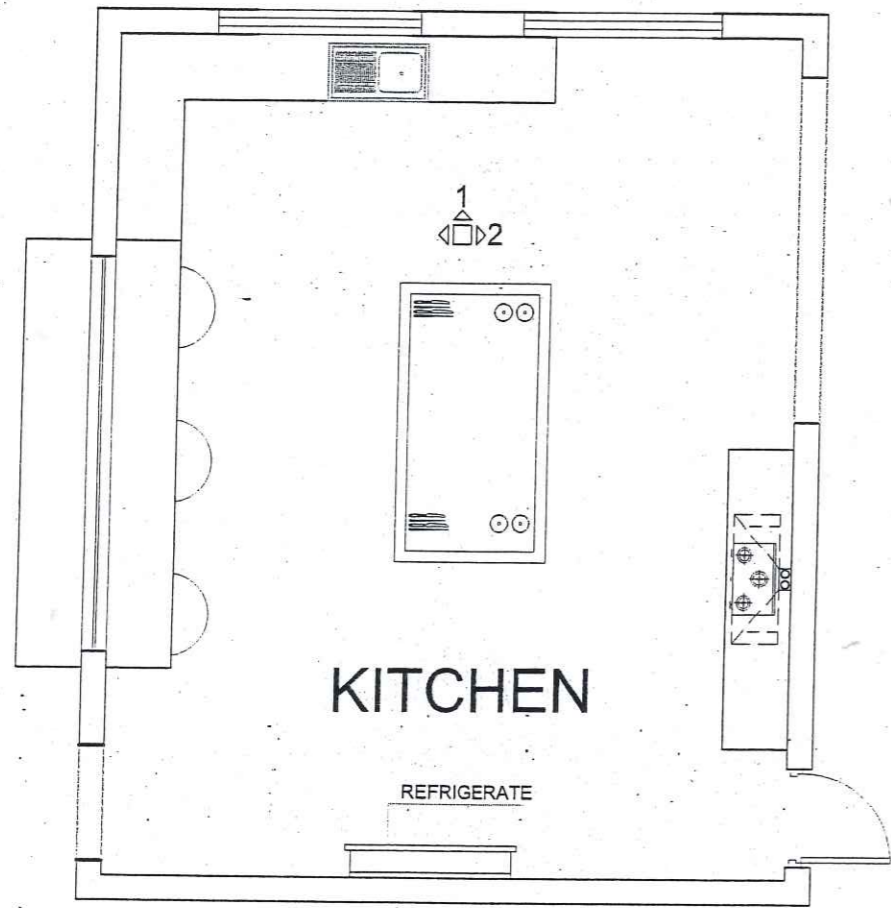


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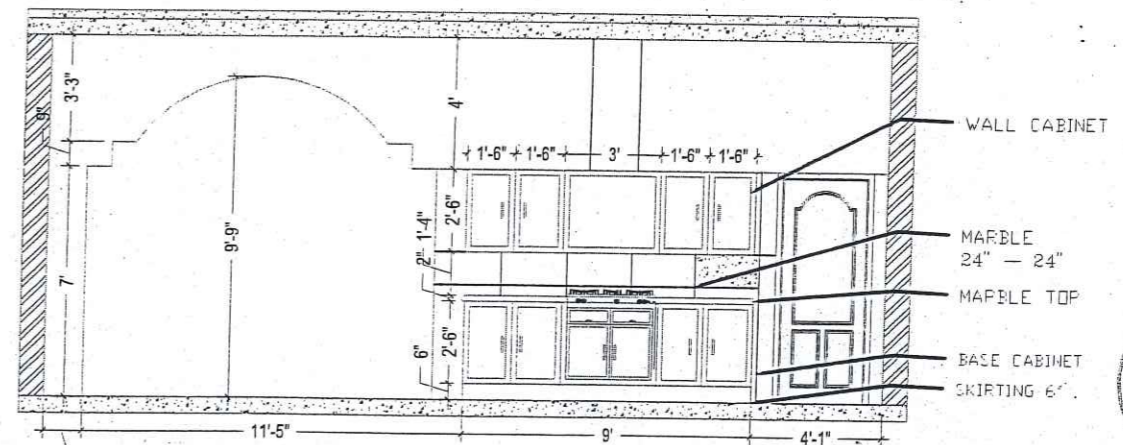
TYPICAL BATH TYPE B



CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND	
DRAWING: TYPICAL BATH DETAIL	PROJECT NO. AEC-602/2022 DRAWING NO. A-14
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: DEC 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE. PH: 5758483, 5758752	



ELEVATION



ELEVATION

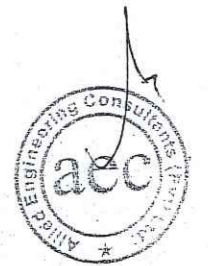


CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND			
DRAWING		PROJECT NO.	
TYPICAL KITCHEN DETAIL		AEC-602/2022	
		DRAWING NO.	
		A - 15	
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	DEC 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS • ENGINEERS • PLANNERS 19-A, QUILBERG-II, LAHORE PH: 3753433 / 3756752			

NOTE:
LAVATORY BLOCK (5'-0")HEIGHT
ATTACHED BATH (7'-0")HEIGHT

SCHEDULE OF INTERNAL FINISHES

NO.	ROOMS NAME	FLOOR					SKIRTING		DADO			WALLS / COLUMNS		CEILING		
		MOSSAIC FLOORING	MARBLE FLOORING	PCC	CERAMIC TILE	PORCELAIN TILE	MOSAIC	MARBLE	PORCELAIN TILE	GLAZED CERAMIC TILE			DISTEMPER	PLASTIC EMULATION PAINT	FALSE CEILING	DISTEMPER
01	ENTRANCE LOBBY & CORRIDOR		●				●						●		●	
02	SEATER ROOM		●				●						●		●	
03	WARDEN ROOM		●				●						●		●	
04	OFFICE		●				●						●		●	
05	ASST.WARDEN		●				●						●		●	
06	COMMON ROOM		●				●						●		●	
07	WARDEN LOUNGE		●				●						●		●	
08	VISITOR ROOM		●				●						●		●	
09	KIT/WORKER ROOM		●				●						●		●	
10	TV LOUNGE		●				●						●		●	
11	DINNING HALL		●				●						●		●	
12	KITCHEN		●				●						●		●	
13	LAUNDRY		●				●						●		●	
14	PANTRY		●				●						●		●	
15	STORE		●				●						●		●	
16	BATH				●						●		●		●	
17	LAVATORY				●						●		●		●	



CLIENT:		UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND (75 KANAL) AT STATE LAND			
DRAWING		PROJECT NO. AEC-602/2022	
FINISHING DETAIL		DRAWING NO. A - 16	
ARCHITECT	AR.BAQIR ALI	CHECKED BY	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
	AS SHOWN		DEC 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE PH: 3758433 / 3756752			

CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

FEASIBILITY STUDY, PLANNING,
DESIGN OF WOMEN SUB CAMPUS ,
UNIVERSITY OF MALAKAND

DRAWING

STUDENT HOSTEL
FLOORING DRAWINGS

PROJECT NO.

AEC-602/2022

DRAWING NO.

ARCHITECT

AR.BAQIR ALI

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

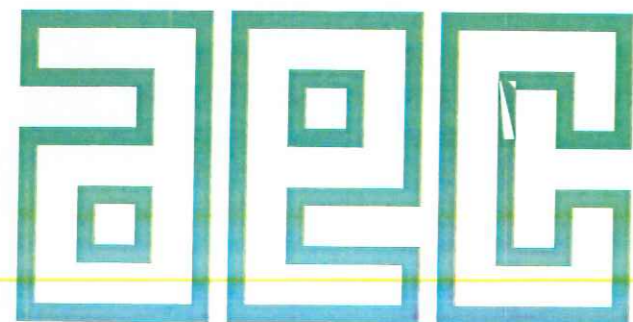
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SCALE

AS SHOWN

DATE

JANUARY 2024



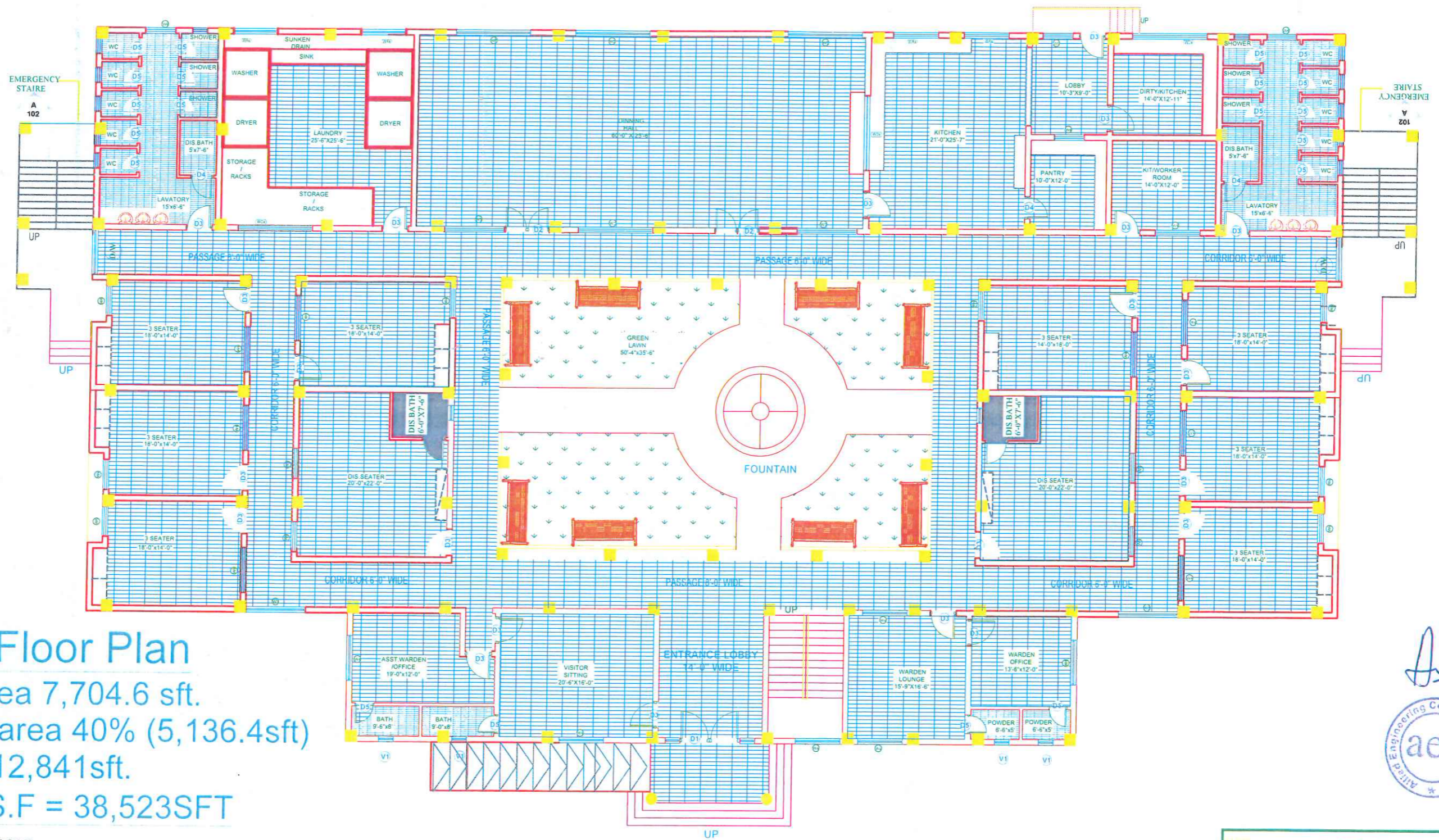
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD

ARCHITECTS.

ENGINEERS .

PLANNERS.

19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752



Ground Floor Plan

Covered area 7,704.6 sft.

Circulation area 40% (5,136.4sft)

Total area 12,841sft.

G.F+F.F+ S.F = 38,523SFT

(30 ACCOMMODATION)



UNIVERSITY OF MALAKAND

FEASIBILITY STUDY, PLANNING,
DESIGN OF WOMEN SUB CAMPUS,
UNIVERSITY OF MALAKAND

GROUND FLOOR PLAN

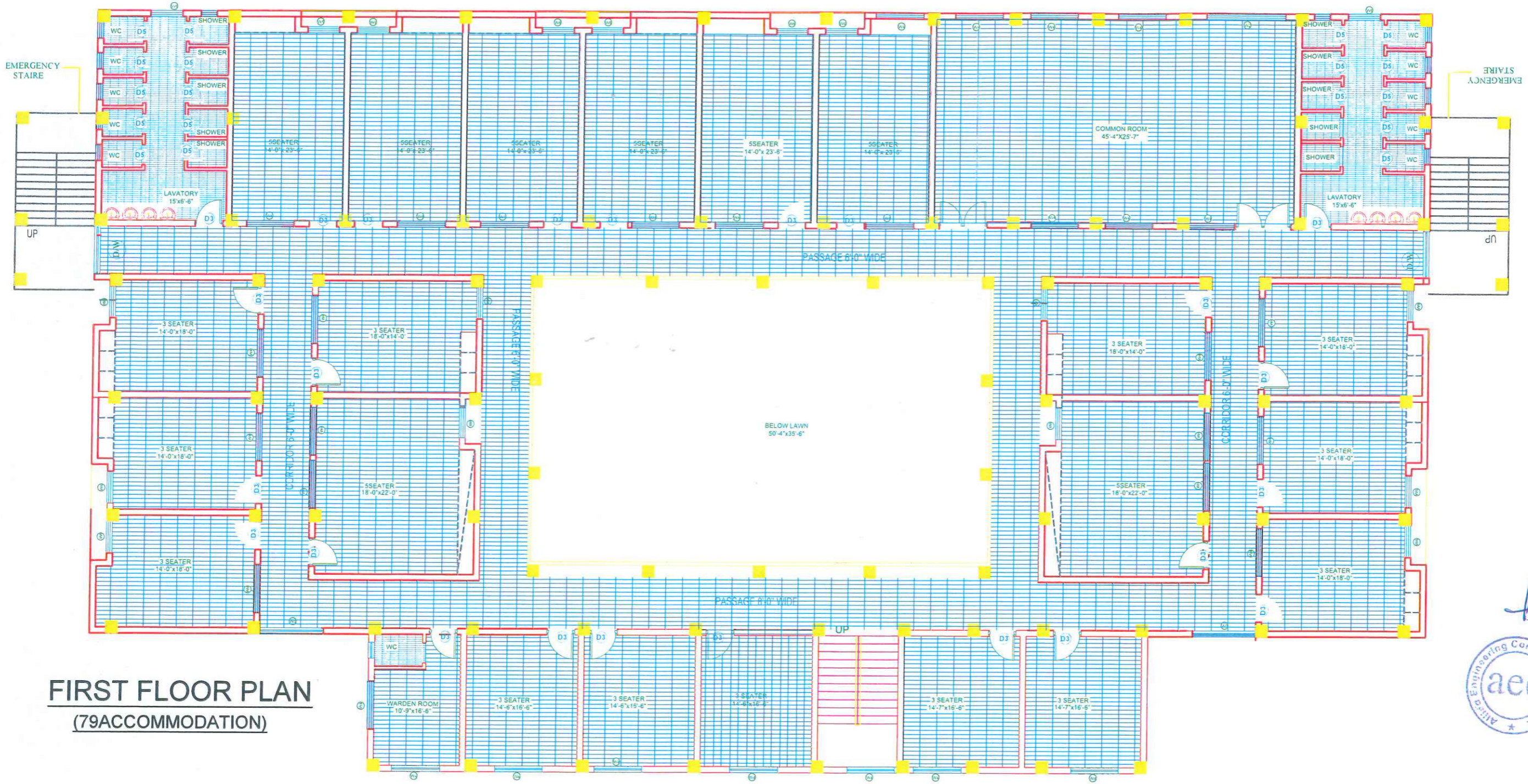
AEC-602/2022

A - 1

AR BAQIR ALI MRS. SHAHINE KHAN

ASIM AS SHOWN JANUARY 2024

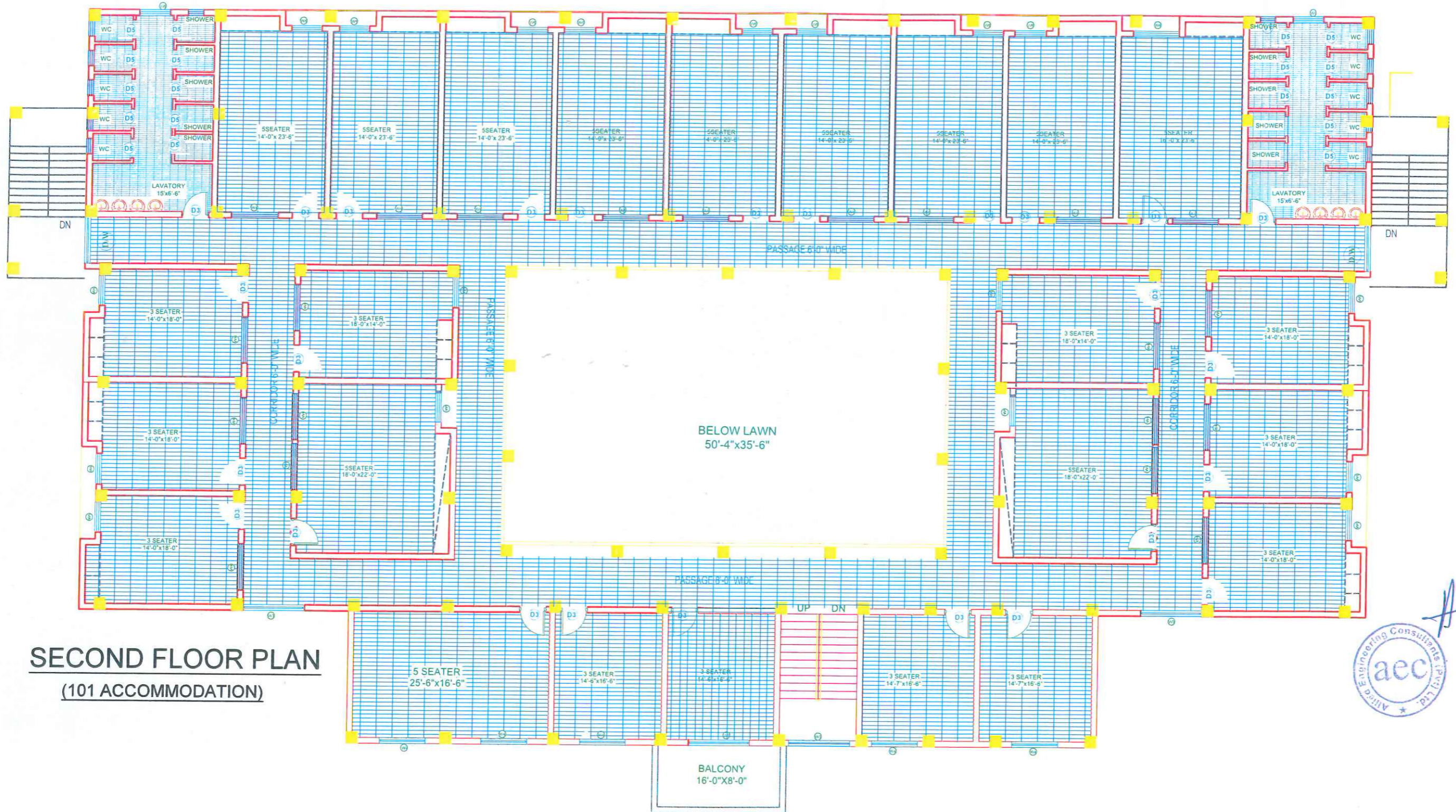
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FIRST FLOOR PLAN
(79ACCOMMODATION)



UNIVERSITY OF MALAKAND	
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
FIRST FLOOR PLAN	AEC-602/2022
	A - 2
AR.BAQIR ALI	MRS. SHAHINE KHAN
ASIM	AS SHOWN JANUARY 2024
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SECOND FLOOR PLAN
(101 ACCOMMODATION)




UNIVERSITY OF MALAKAND	
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND	
SECOND FLOOR PLAN	AEC-602/2022
	A-3
AR BAQIR ALI	MRS. SHAHINE KHAN
ASIM	AS SHOWN JANUARY 2024
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NOTE:
LAVATORY BLOCK (5'-0")HEIGHT
ATTACHED BATH (7'-0")HEIGHT

SCHEDULE OF INTERNAL FINISHES

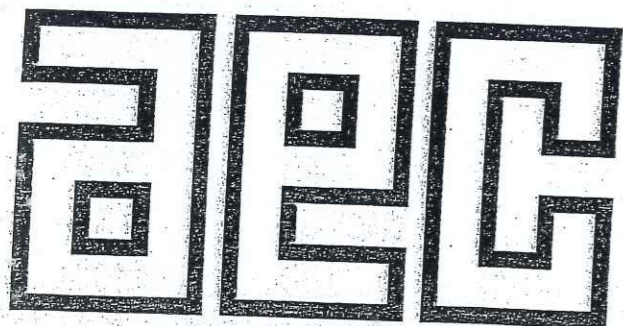
NO.	ROOMS NAME	FLOOR				SKIRTING		DADO		WALLS / COLUMNS		CEILING	
		MOSSAIC FLOORING	MARBLE FLOORING	PCC	CERAMIC TILE	PORCELAIN TILE	MOSSAIC	MARBLE	PORCELAIN TILE	GLAZED CERAMIC TILE	DISTEMPER	PLASTIC EMULATION PAINT	FALSE CEILING
01	ENTRANCE LOBBY & CORRIDOR		●				●				●	●	
02	SEATER ROOM		●				●				●	●	
03	WARDEN ROOM		●				●				●	●	
04	OFFICE		●				●				●	●	
05	ASST.WARDEN		●				●				●	●	
06	COMMON ROOM		●				●				●	●	
07	WARDEN LOUNGE		●				●				●	●	
08	VISITOR ROOM		●				●				●	●	
09	KIT/WORKER ROOM		●				●				●	●	
10	TV LOUNGE		●				●				●	●	
11	DINNING HALL		●				●				●	●	
12	KITCHEN		●				●				●	●	
13	LAUNDRY		●				●				●	●	
14	PANTRY		●				●				●	●	
15	STORE		●				●				●	●	
16	BATH				●				●		●	●	
17	LAVATORY				●				●		●	●	

AS


UNIVERSITY OF MALAKAND
 FEASIBILITY STUDY, PLANNING,
 DESIGN OF WOMEN SUB CAMPUS,
 UNIVERSITY OF MALAKAND
 FINISHING DETAIL AEC-602/2022
 A - 15
 AR BAQIR ALI MRS. SHAHINE KHAN
 ASIM AS SHOWIN JANUARY 2024
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STRUCTURE DRAWINGS

col



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GENERAL CONSTRUCTION NOTES

1. GENERAL NOTES:

- All materials in construction shall comply with the Building Code of Pakistan, ACI 318-14 and ASTM specifications.
- All plans, dimensions and site conditions must be checked and verified prior to construction. Any missings or omissions noted in the drawing or in rules and regulations, specification must be communicated in writing to the engineer.
- Any variations/changes in structural drawings if required due to architectural purpose, must be consulted with structural engineer in writing.

2. FOUNDATION NOTES:

- Raft foundation has been designed based on 0.75 TSF Soil Bearing Capacity as per Geo Technical investigation report.No.10571/GSK Dated September, 2023
- Safety measures shall be ensured prior to excavation and excavated material must be removed from site.
- Any loose material, organic material or filled area must be reported to the structural engineer prior to placement of foundation.
- Site preparation shall be made by clearing the entire area and removing of Trees/Shrubs/vegetation, and buried structures should be removed in their entirety from beneath the proposed construction area.
- Excavated foundation bed should be leveled and free of any loose soil.
- Any loosened soil must be compacted prior to placement of foundation P.C.C.
- Construction of foundation must be completed immediately after completion of excavation, leveling and dressing to minimize potential
- Water stopper shall be provided at all corners of water retaining structure as per site requirements
- Site safety must be ensured during and after the excavation process and any machinery or moving loads shall not be permitted near the
- Minimum 28 days Concrete Compressive strength (fc') for foundation work shall be 3000 psi.
- Grade-60 deformed round bars conforming to ASTM A-615 shall be used in foundation work.
- Shear keys in raft foundation shall be provided at intervals not less than 36" in both ways.
- An experienced geotechnical engineer must be involved for quality control of foundation work.
- An expert surveyor must be involved for demarcation of columns.
- Any additional excavation for sewerage or sanitation system must be consulted with structural engineer.

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TITLE:	STUDENT HOSTEL	GENERAL CONSTRUCTION NOTES		
CLIENT:		Project Number:	0024	ENGINEER'S SIGNATURE:
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	08-01-2024	
		Designed by:	ENGR. ZARIF KHAN	 Sheet No. S-01
		Drawn by:	MUHAMMAD ILYAS	
				Scale: As indicated

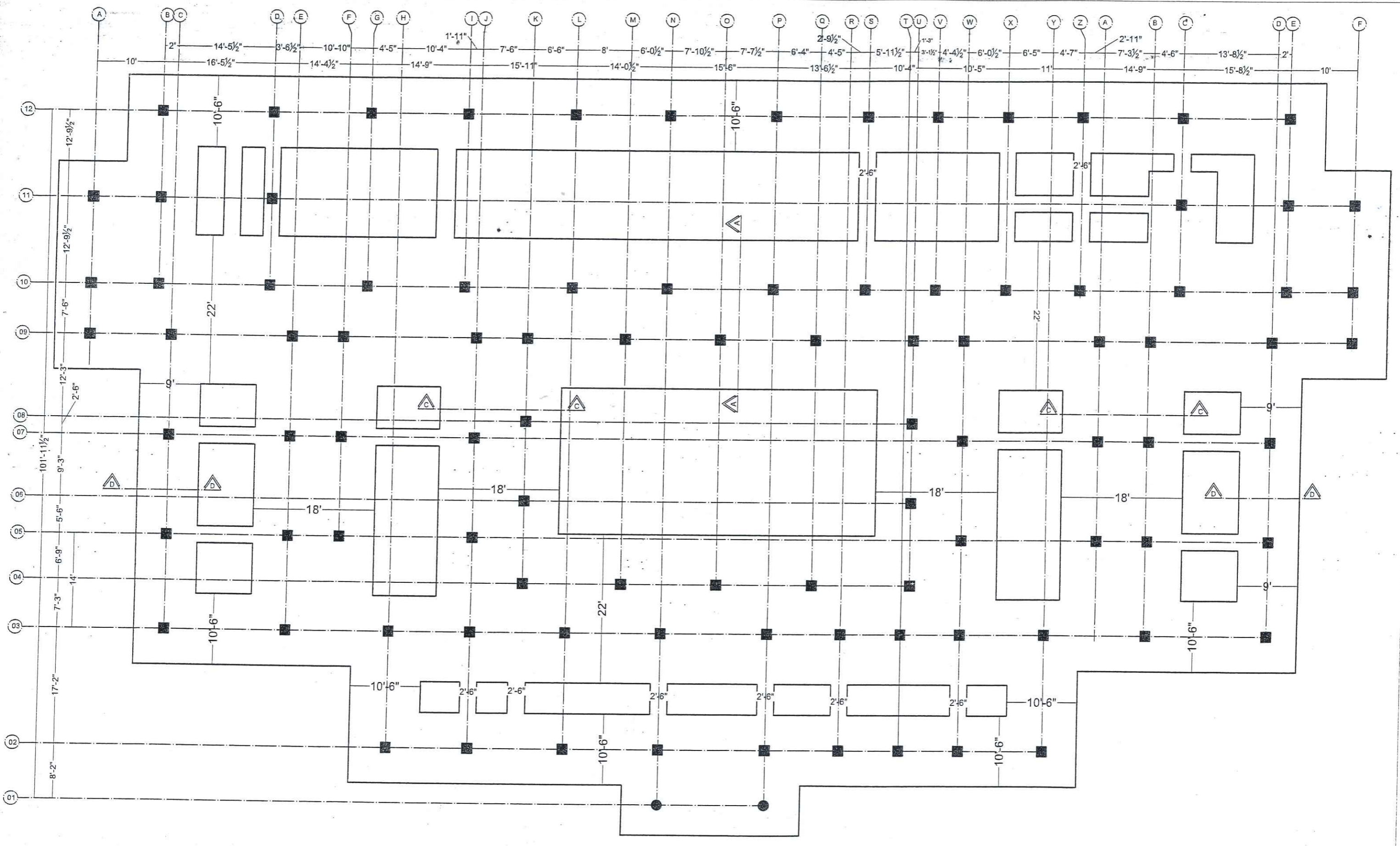
3. GENERAL INFORMATION OF MATERIAL PROPERTIES:

- Concrete Mixed Design shall be performed for the required concrete strength and plant mixed concrete shall be used ensuring quality control..
- Minimum 28 days cylinder crushing strength of reinforced concrete in beam, columns, slab and stair shall be 3000 psi.
- Steel reinforcement for foundation, columns, beams, slabs, retaining wall, raft, and lift wall shall be Grade-60 deformed round bars conforming to ASTM A-615.
- Compressive strength of first class concrete blocks/brick shall be at least 1,500 psi with actual dimensions of 8-5/8 in \pm 1/8 in
- In superstructure, the cement sand mortar ratio (1:5) shall be used in brick/block masonry works.
- In plaster, the cement sand ratio (1:4) shall be used.
- Water mixed mortar/concrete shall be used within 45 minutes of mixing.
- Admixture shall be used in mortar/concrete with the consultation of designer/technical expert only.
- In Substructure and superstructure, English bond shall be adopted in brick / block masonry walls.
- Minimum clear spacing between parallel bars in beam/columns shall be "db" but not less than 1in including lap splice zone.
- Lap splices shall not be used within a distance equal to 2h (twice the member depth from column or beam face).
- Lap splices in columns shall be provided in mid center as per table given.
- Ties/Stirrups in beams, columns and lintels shall be provided with 135° hooks and with an extension of 6db or 3in whichever is greater.
- Hooks and bends shall be provided at all concrete connection area & terminal bars of beam and slabs
- Ties of columns and stirrups of beams shall be continued at beam / column crossing area (beam columns connection)
- Distance between parallel bars (vertical layers) in beams shall be one inch.
- Ties/stirrups in column/beam should be continued in connection/joint area.
- Standard hook of 90° (12 db) along with development length as per table given should be provided to all terminal bars.
- R.C.C beams and columns shall be provided at windows openings and lintel level of window and doors as per drawings provided
- Curing of concrete shall be continued for at least 7 days of curing.
- Mortar joint for brick / block masonry wall shall be 3/8" to 1/2".
- An experienced engineer must be involved in construction work for quality control and quality assurance.
- Any changes in structural drawings/design must be consulted in writing with structural engineer.
- GI wire mesh (18" swg. 3/4x3/4) shall be applied on brick/block masonry work, near beam and columns area upto 18" wide

MINIMUM CLEAR COVER	
• Column/Beam	1.5"
• R/wall. Shear wall	1.5"
• Footing	3"

SPLICE LENGTH MINIMUM SPICE LENGTH f _c =3000, and f _y =60,000 psi			
• BAR DIA	SLAB	COLUMN	BEAM/WALL
• 1/2"	30"	---	28"
• 3/4"	-	45"	42"

DEVELOPMENT LENGTH DEVELOPMENT LENGTH f _c =3000, and f _y =60,000 psi	
• BAR DIA	WITH STANDRD HOOK OF 90°
• 1/2"	9"
• 3/4"	13"

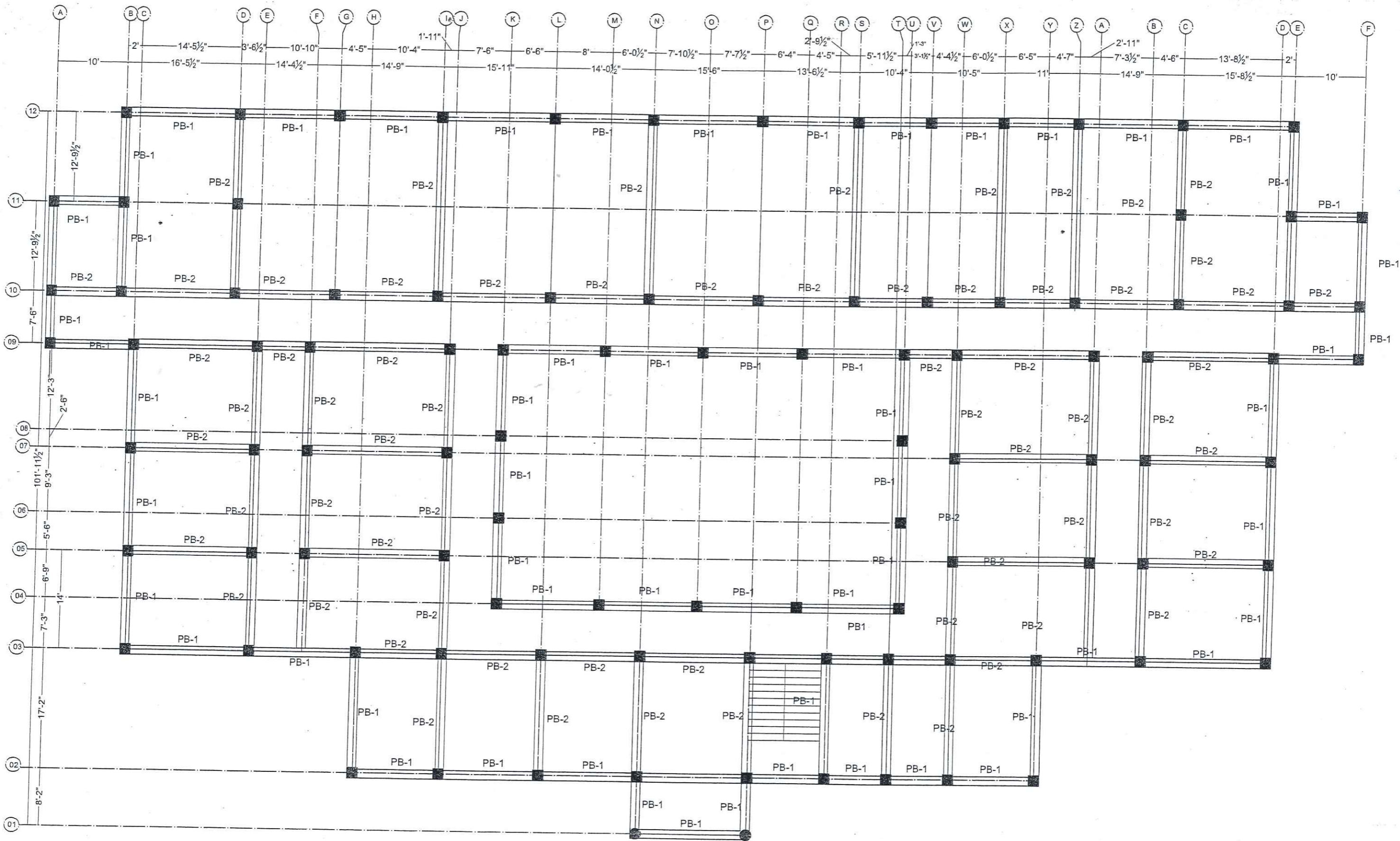


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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

GROUND FLOOR FOUNDATION PLAN		Project Number: 0024	ENGINEER'S SIGNATURE: <i>[Signature]</i>	Sheet No.
Date: 08-01-2024	Designed by: ENGR. ZARIF KHAN	Drawn by: MUHAMMAD ILYAS		S-03



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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

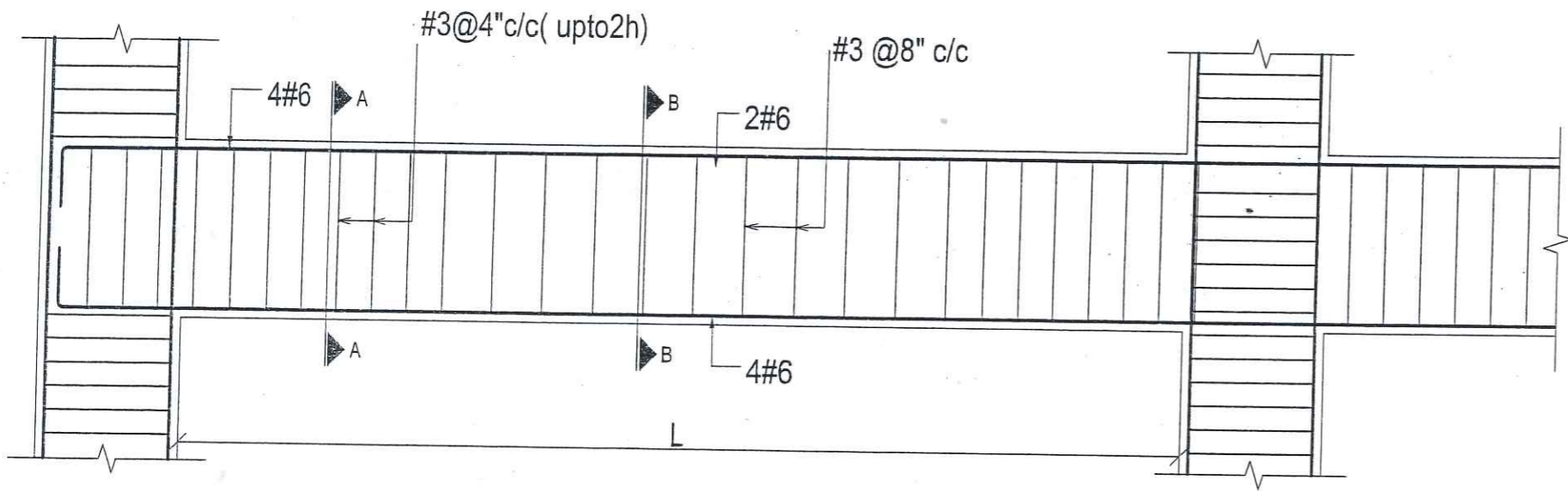
PLINTH BEAM PLAN	
Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE: *[Signature]*

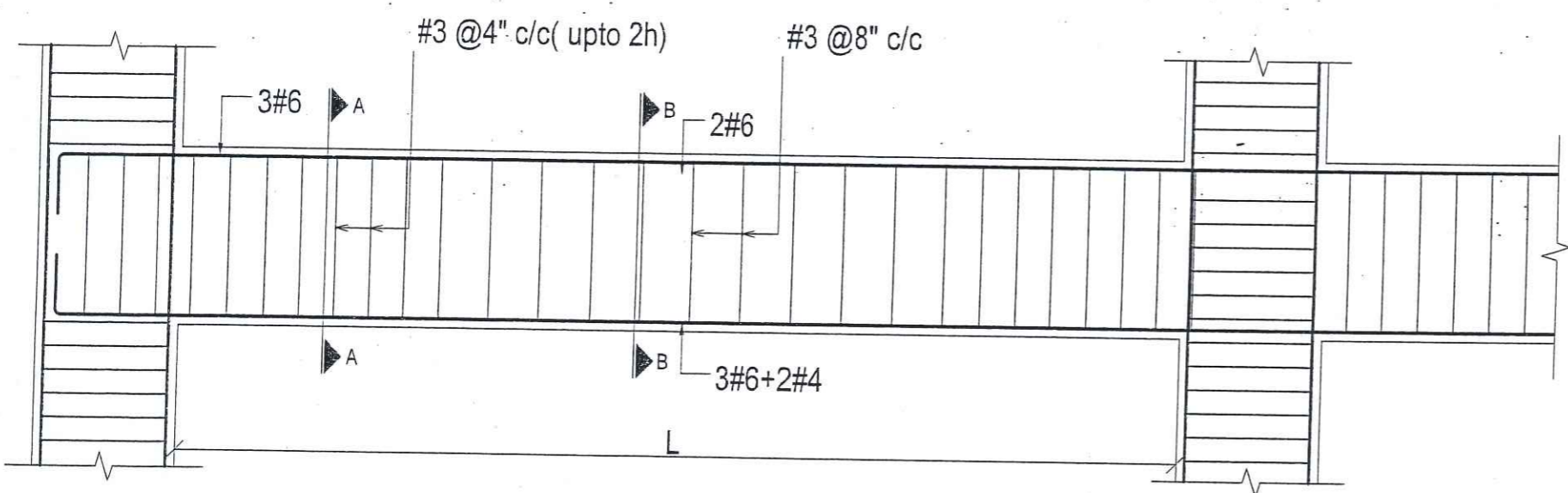
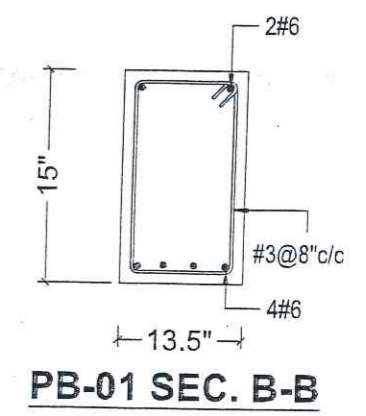
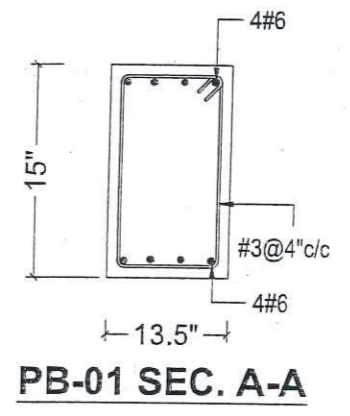
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Sheet No. **S-04**

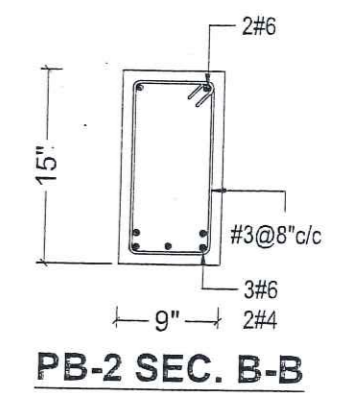
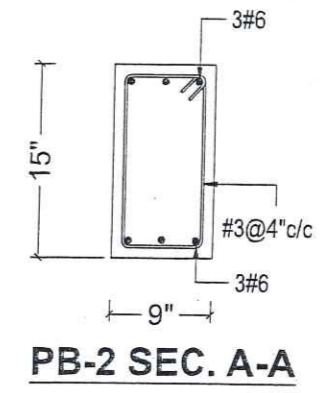
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PLINTH BEAM (PB-1)



PLINTH BEAM (PB2)

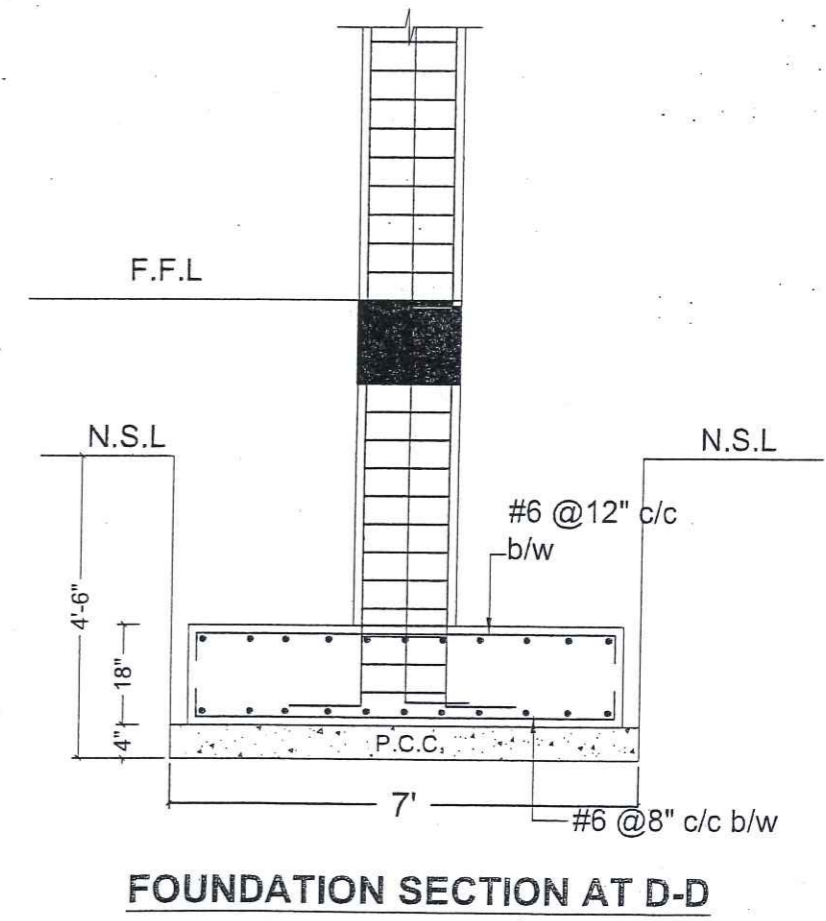
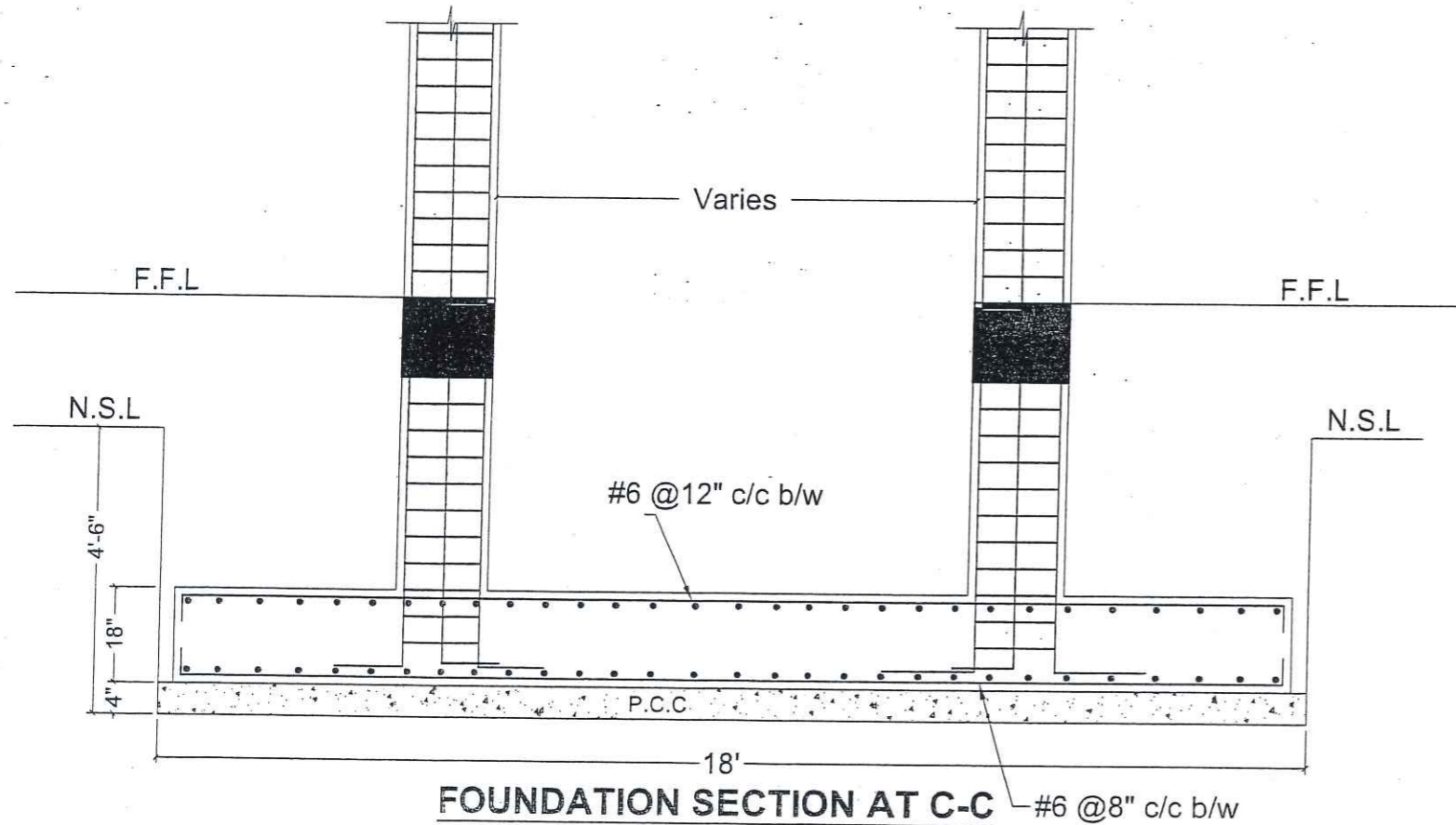
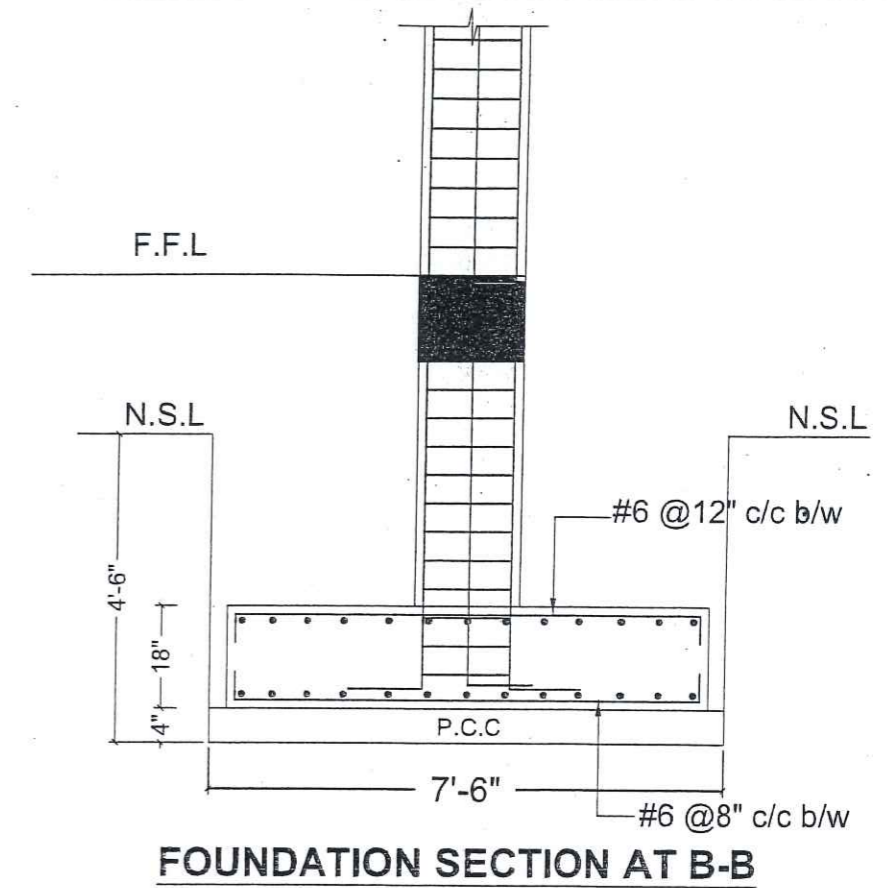
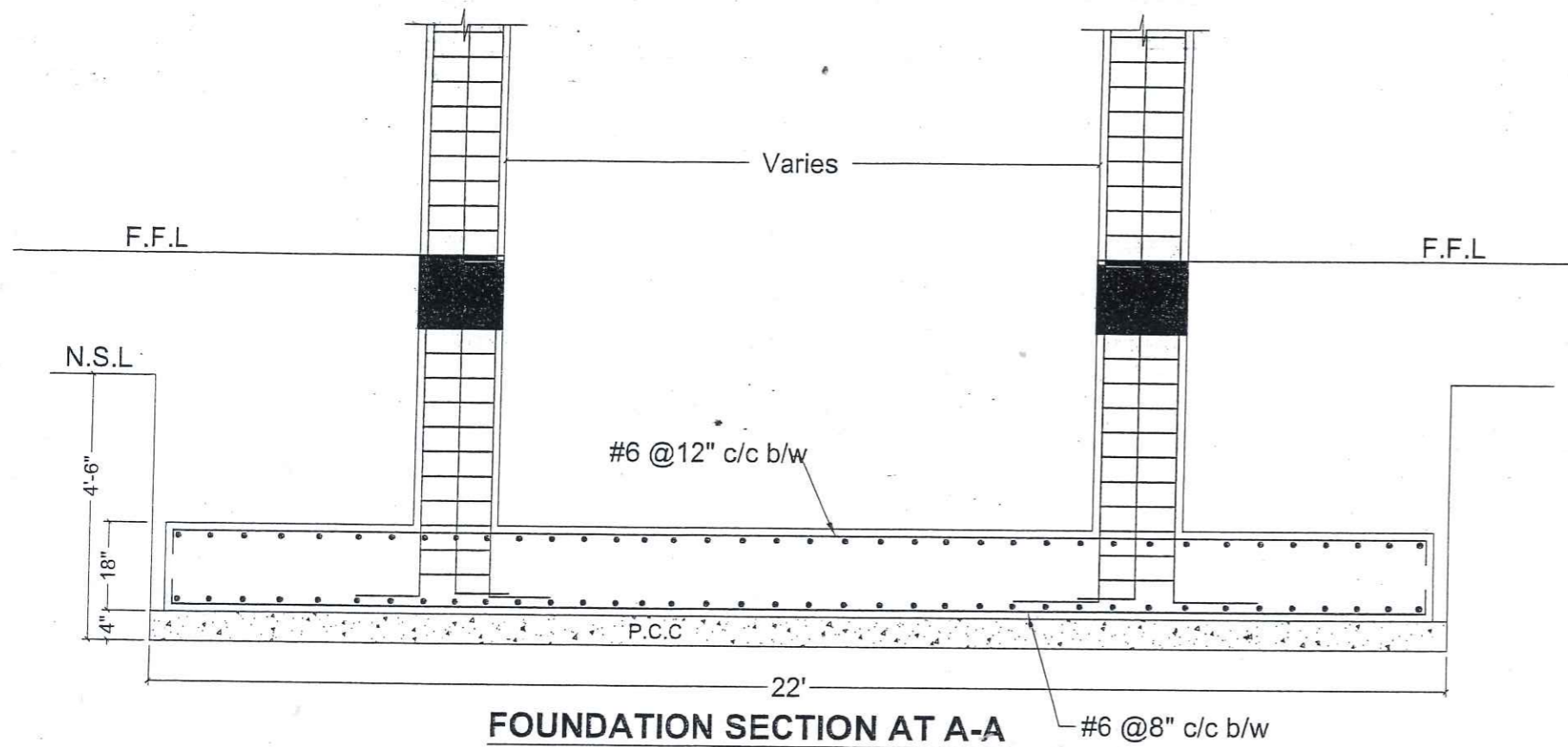


NOTE: Brick walls of 13.5" shall be provided to all exterior walls while brick walls of 9" shall be provided to all interior walls having clear span greater than 12ft.

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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

PLINTH BEAM BEAM SECTION DETAILS		ENGINEER'S SIGNATURE:		Sheet No.
Project Number:	0024			S-05
Date:	08-01-2024			
Designed by:	ENGR. ZARIF KHAN			
Drawn by:	MUHAMMAD ILYAS	Scale:	As indicated	

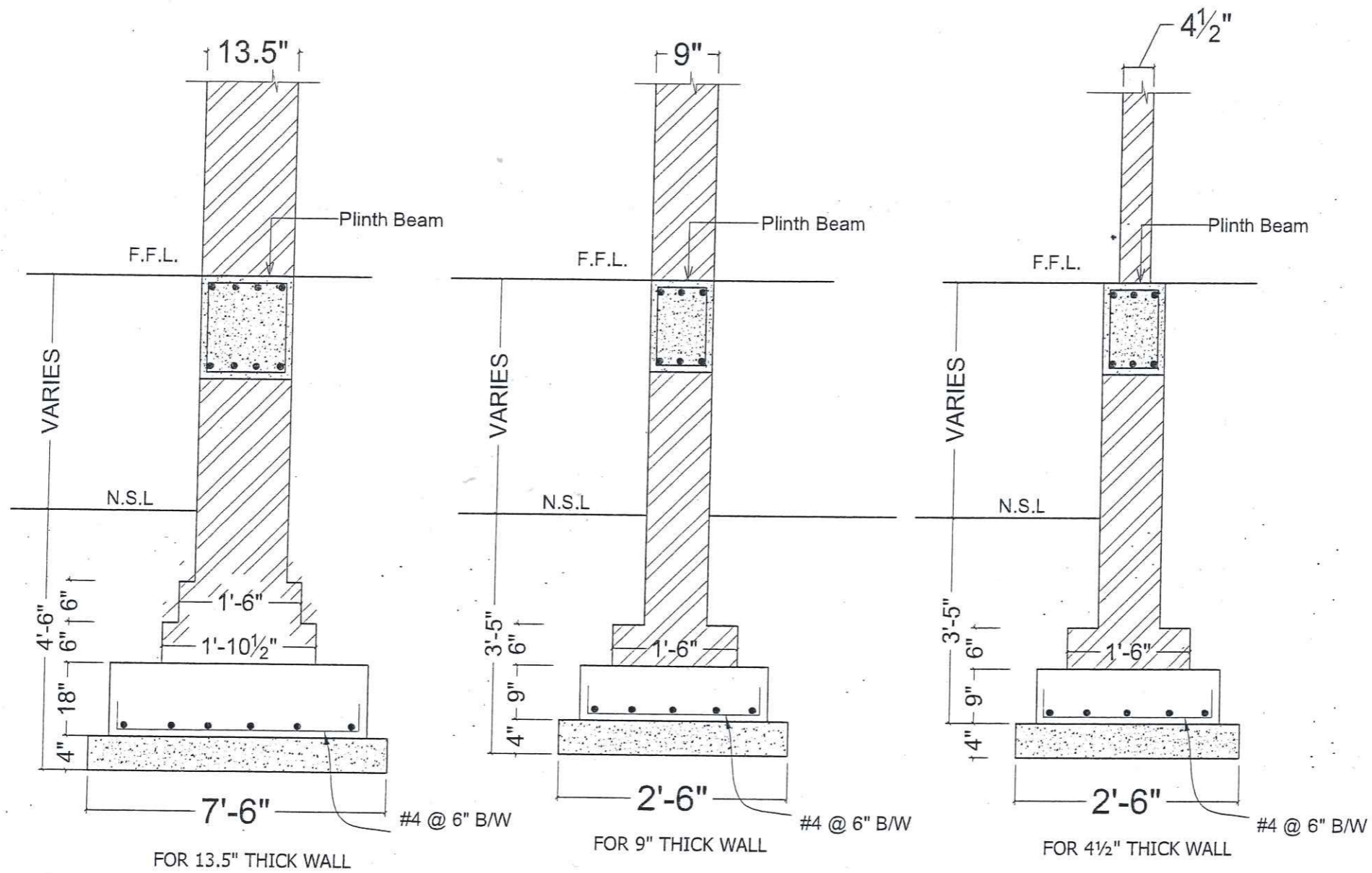


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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

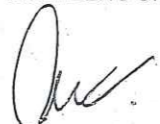

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Date: 08-01-2024	Designed by: ENGR. ZARIF KHAN	Drawn by: MUHAMMAD ILYAS		
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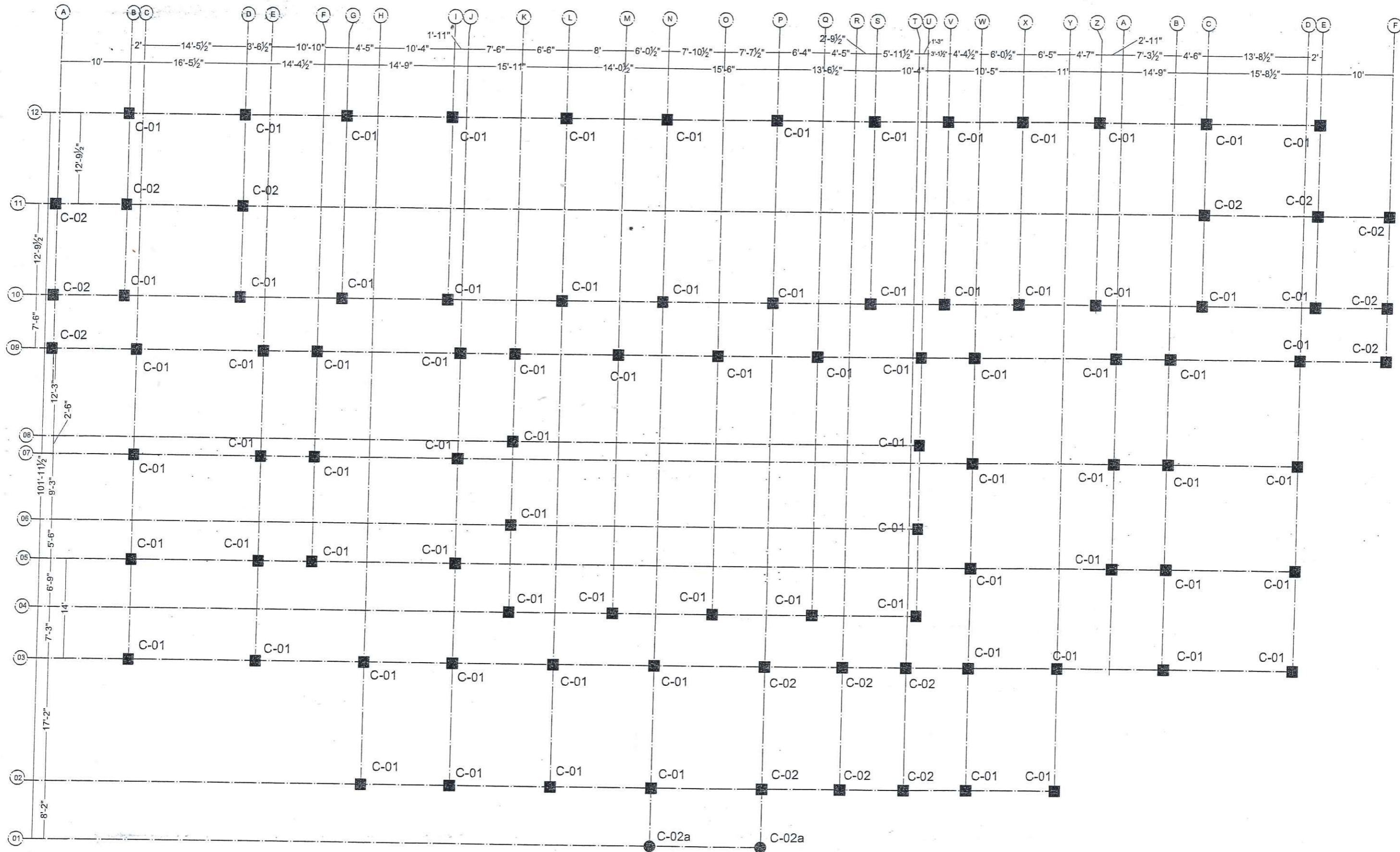


NOTE: Brick walls of 13.5" shall be provided to all exterior walls while brick walls of 9" shall be provided to all interior walls having clear span greater than 12ft.

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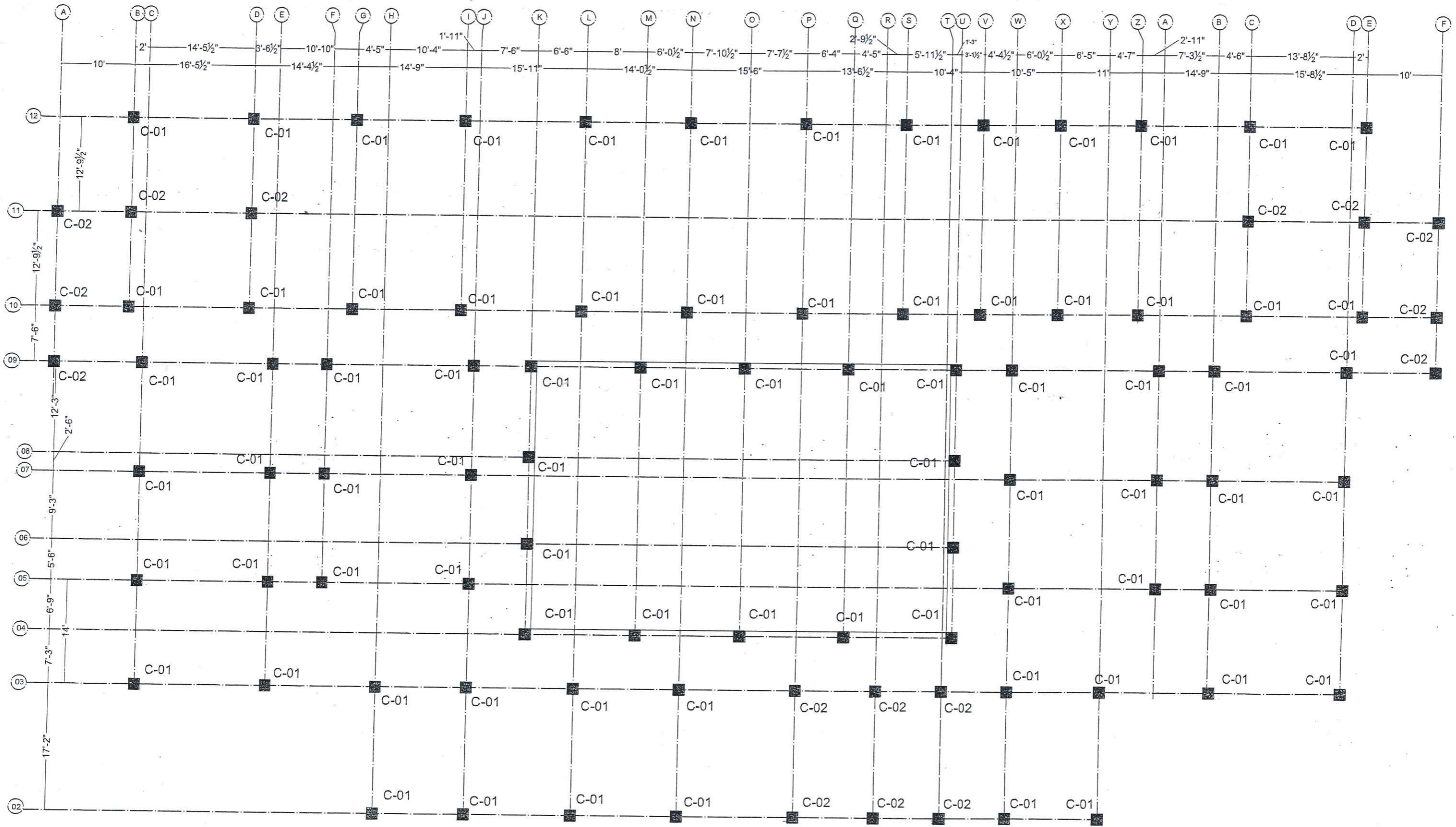
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CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	08-01-2024
		ENGINEER'S SIGNATURE:	
		Designed by:	
		Drawn by:	MUHAMMAD ILYAS
			
		Sheet No.	S-07
		Scale:	As indicated



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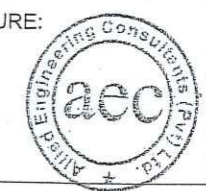
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CLIENT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Project Number:	0024
PROJECT:		Date:	08-01-2024
		Designed by:	ENGR. ZARIF KHAN
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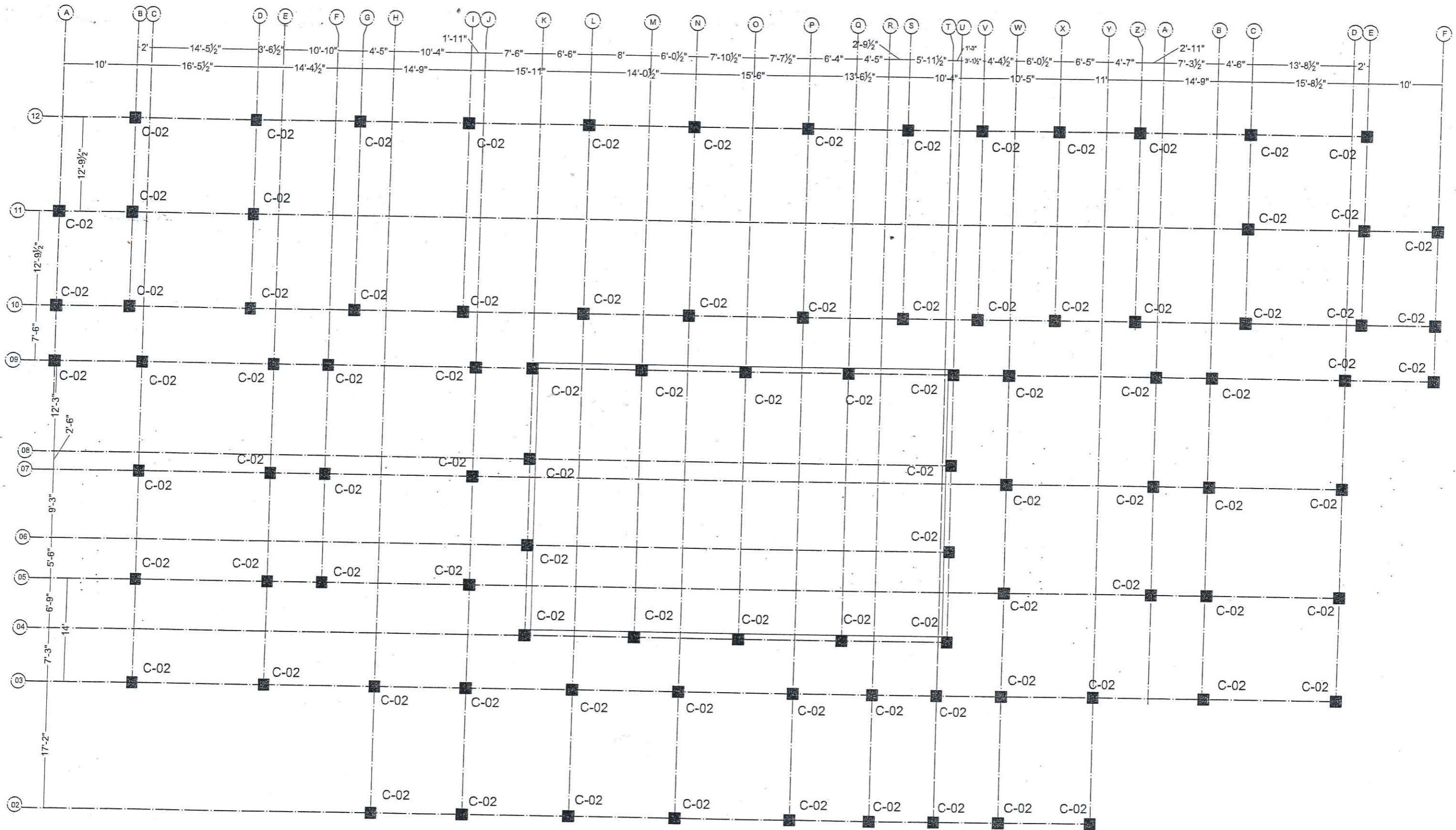


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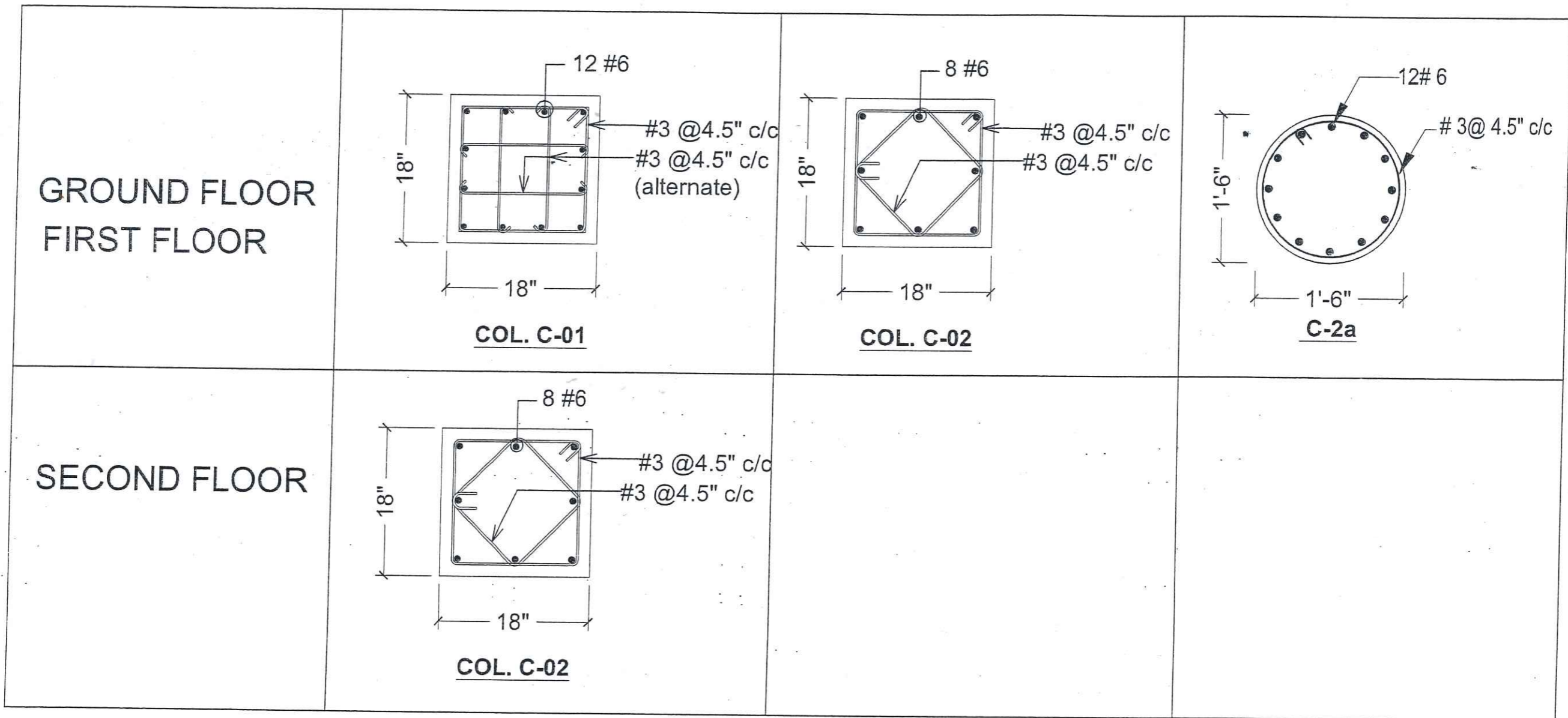
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CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	08-01-2024
		ENGINEER'S SIGNATURE:	
		Designed by:	
		Drawn by:	MUHAMMAD ILYAS
		Sheet No.	S-09
		Scale:	As indicated





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TITLE:	STUDENT HOSTEL	SECOND FLOOR COLUMNS PLAN	
CLIENT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Project Number:	0024
PROJECT:		Date:	08-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
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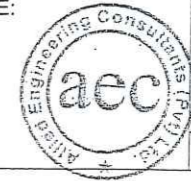
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CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

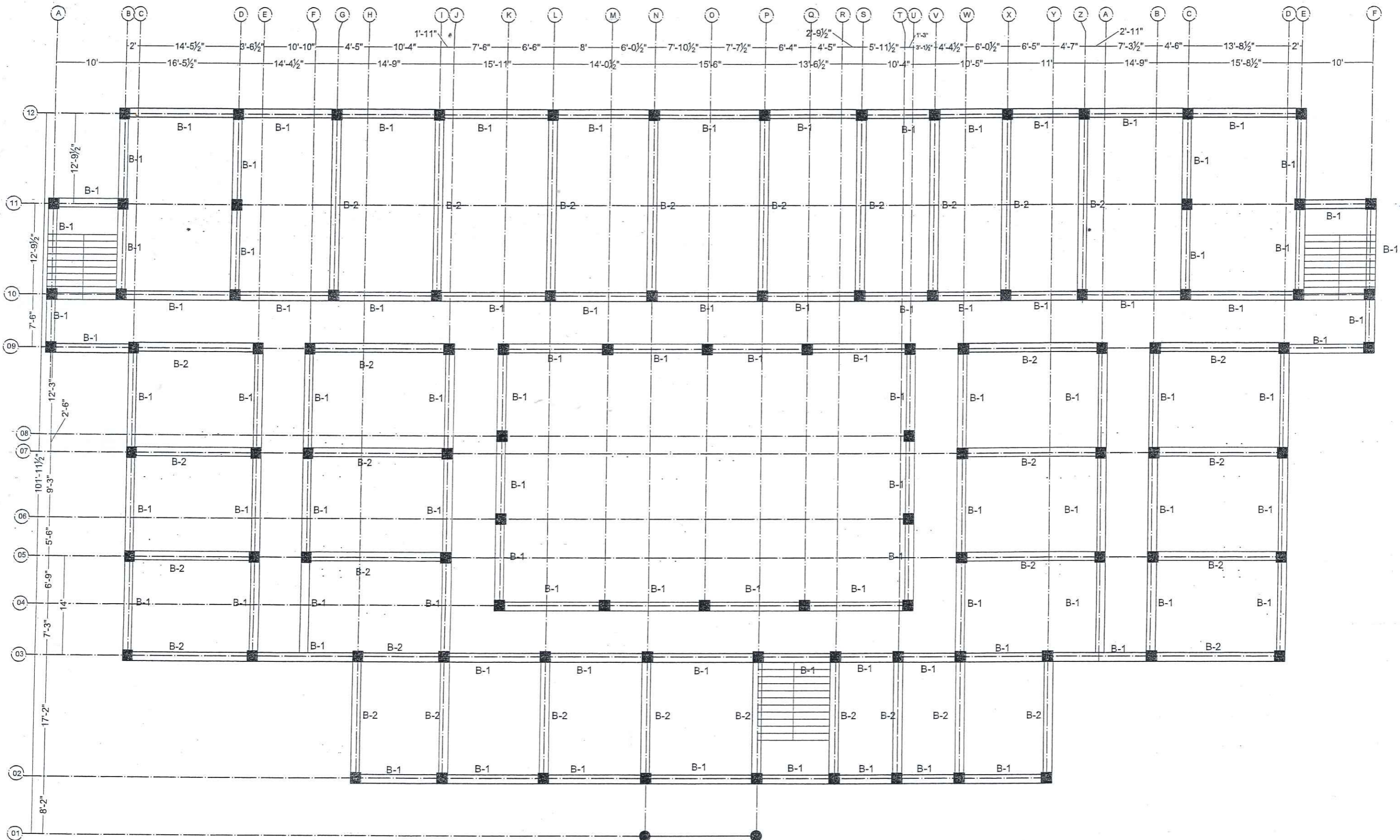
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Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:

Sheet No.	S-11
Scale:	As indicated



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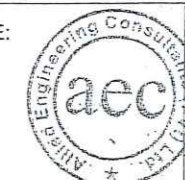
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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

GROUND FLOOR BEAM PLAN

Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

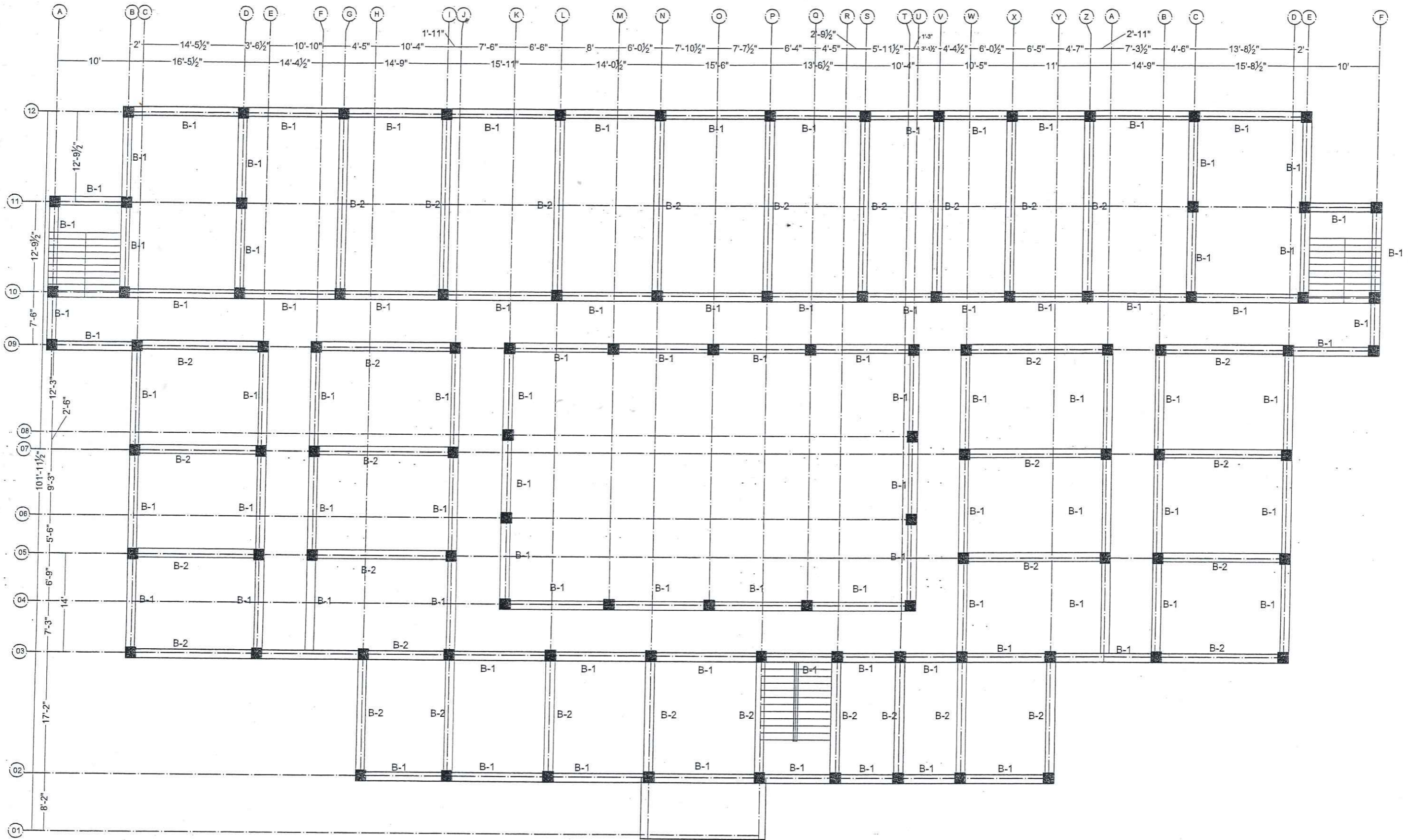
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Sheet No.

S-12



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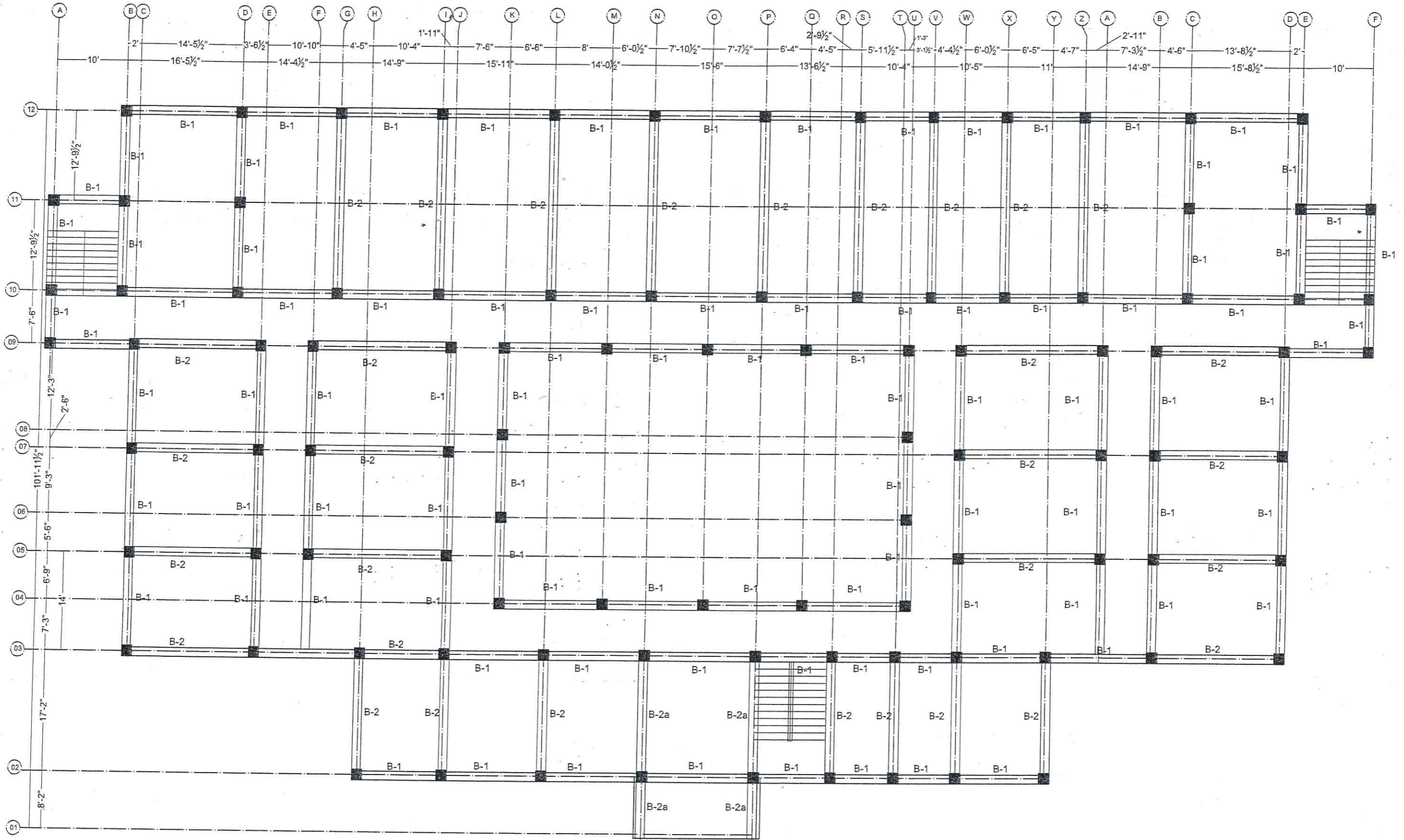
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TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

FIRST FLOOR BEAM PLAN		Project Number:	0024	ENGINEER'S SIGNATURE:	Sheet No.
Date:	08-01-2024	Designed by:	ENGR. ZARIF KHAN		
Drawn by:	MUHAMMAD ILYAS				
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S-13

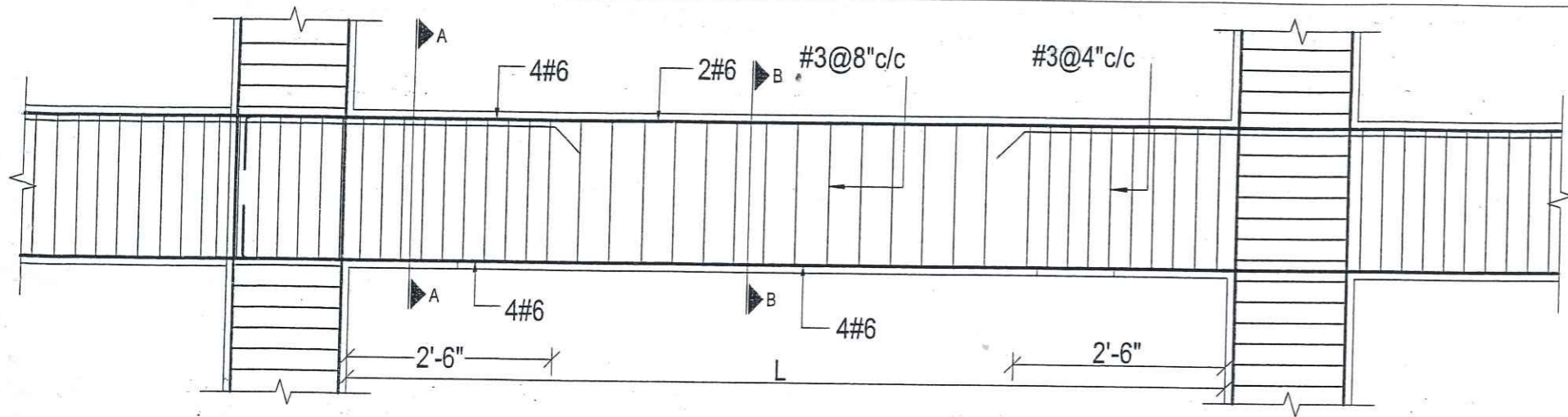


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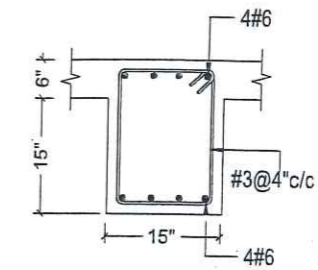
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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

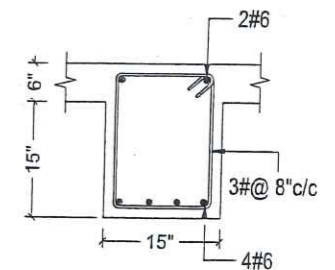
SECOND FLOOR BEAM PLAN		Project Number: 0024	ENGINEER'S SIGNATURE:	Sheet No.
Date: 08-01-2024	Designed by: ENGR. ZARIF KHAN	Drawn by: MUHAMMAD ILYAS		
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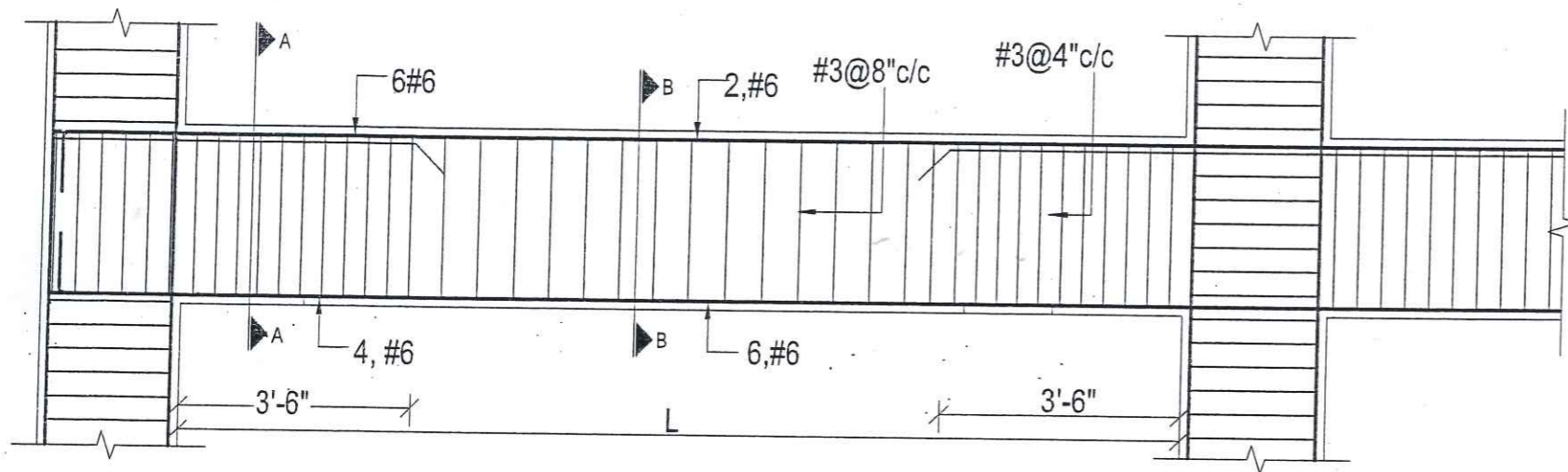
ROOF BEAM (B-1)



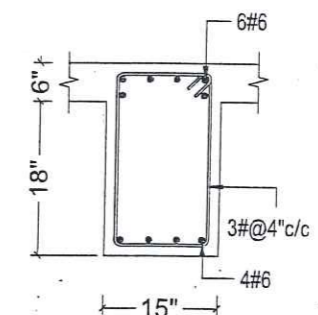
B-1 SEC. A-A



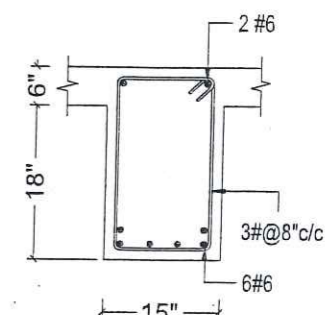
B-1 SEC. B-B



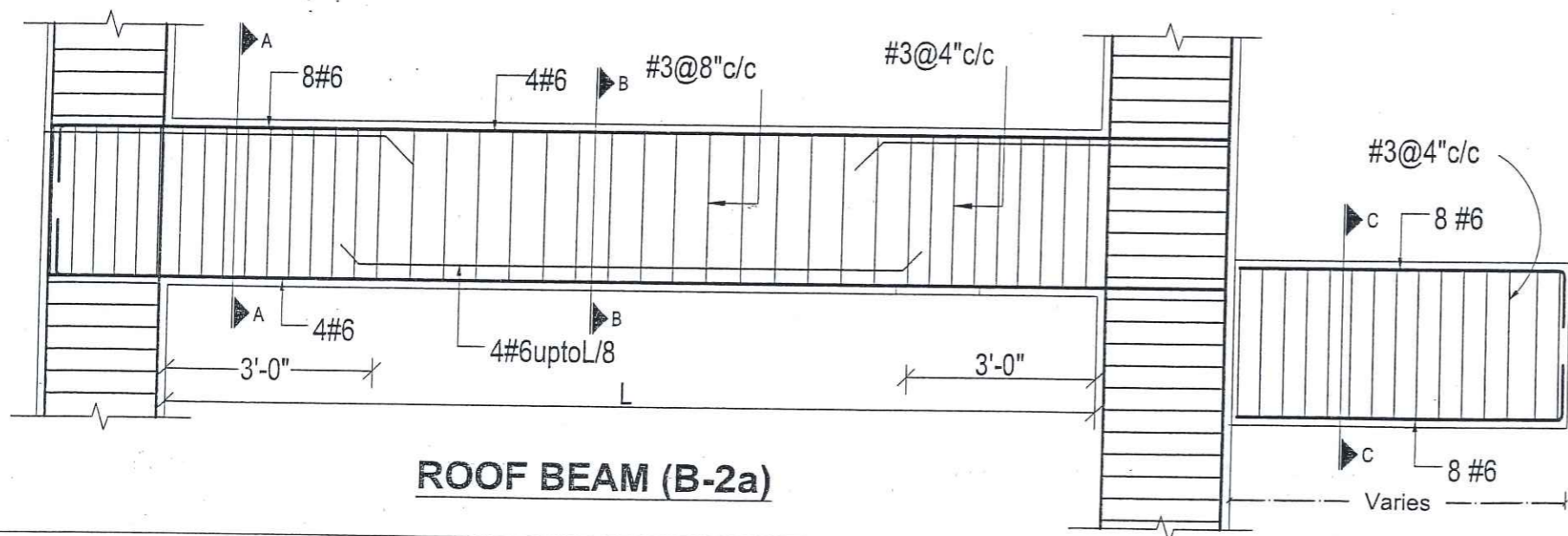
ROOF BEAM (B-2)



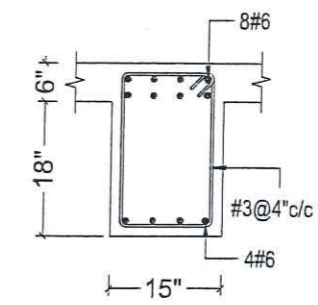
B-2 SEC. A-A



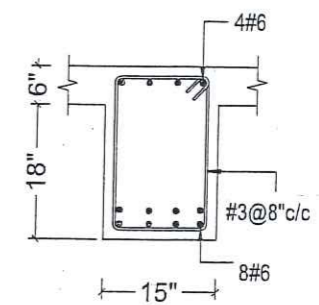
B-2 SEC. B-B



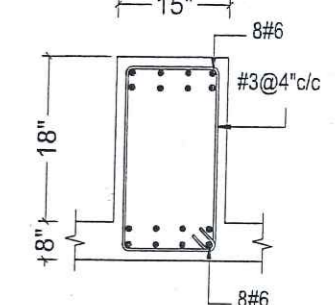
ROOF BEAM (B-2a)



B-2a SEC. A-A



B-2a SEC. B-B

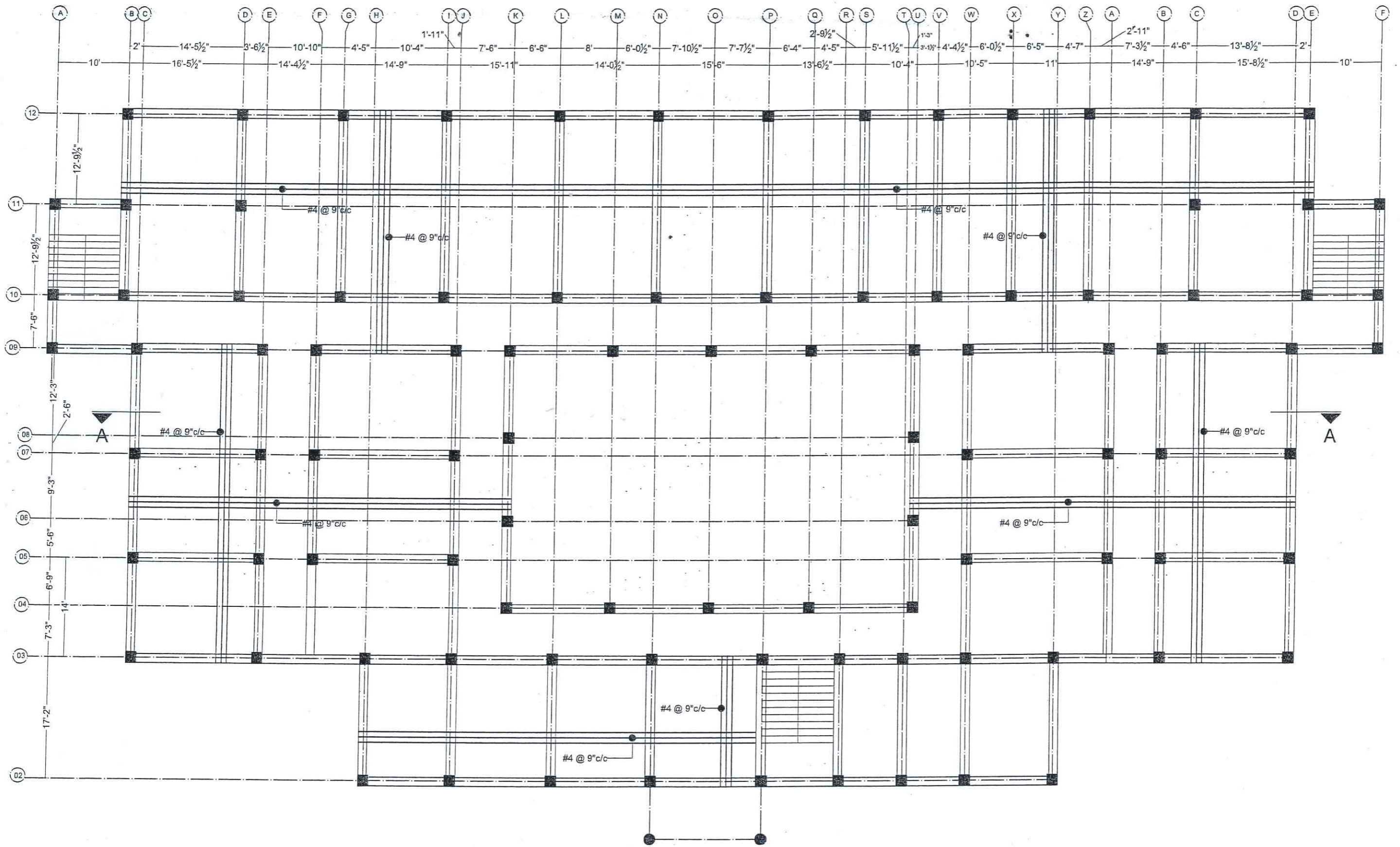


B-2a SEC. C-C

aec ARCHITECTS .
ENGINEERS .
PLANNERS .
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

BEAM SECTION & DETAILS		ENGINEER'S SIGNATURE: 	Sheet No. S-15
Project Number:	0024		
Date:	08-01-2024		
Designed by:	ENGR. ZARIF KHAN		
Drawn by:	MUHAMMAD ILYAS	 Scale: As indicated	

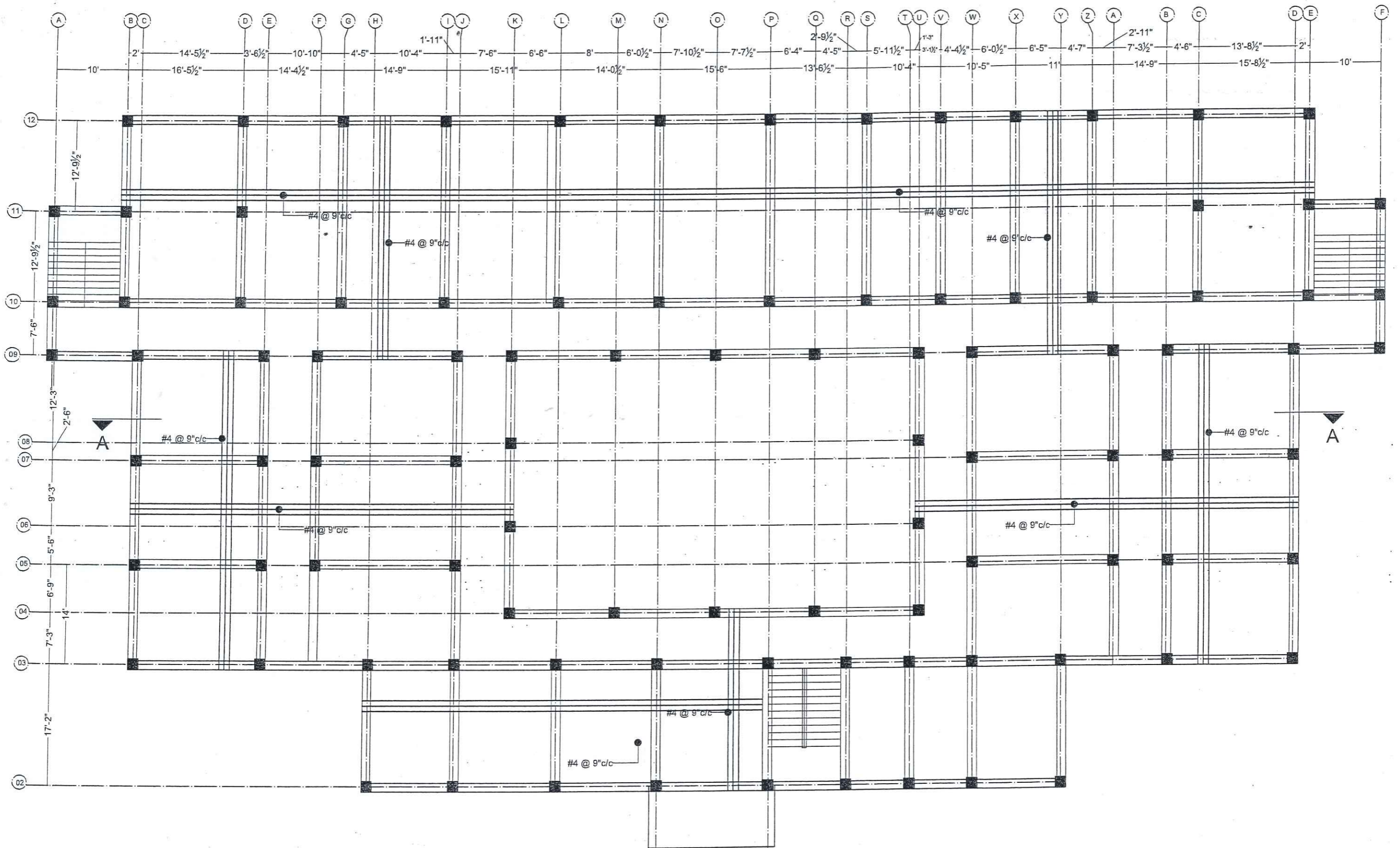


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ENGINEERS.
PLANNERS.

ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

GROUND FLOOR SLAB REINFORCEMENT DETAILS		ENGINEER'S SIGNATURE:		Sheet No.
Project Number:	0024			S-16
Date:	08-01-2024			
Designed by:	ENGR. ZARIF KHAN			
Drawn by:	MUHAMMAD ILYAS	Scale:		As indicated



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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

FIRST FLOOR SLAB REINFORCEMENT DETAILS

Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

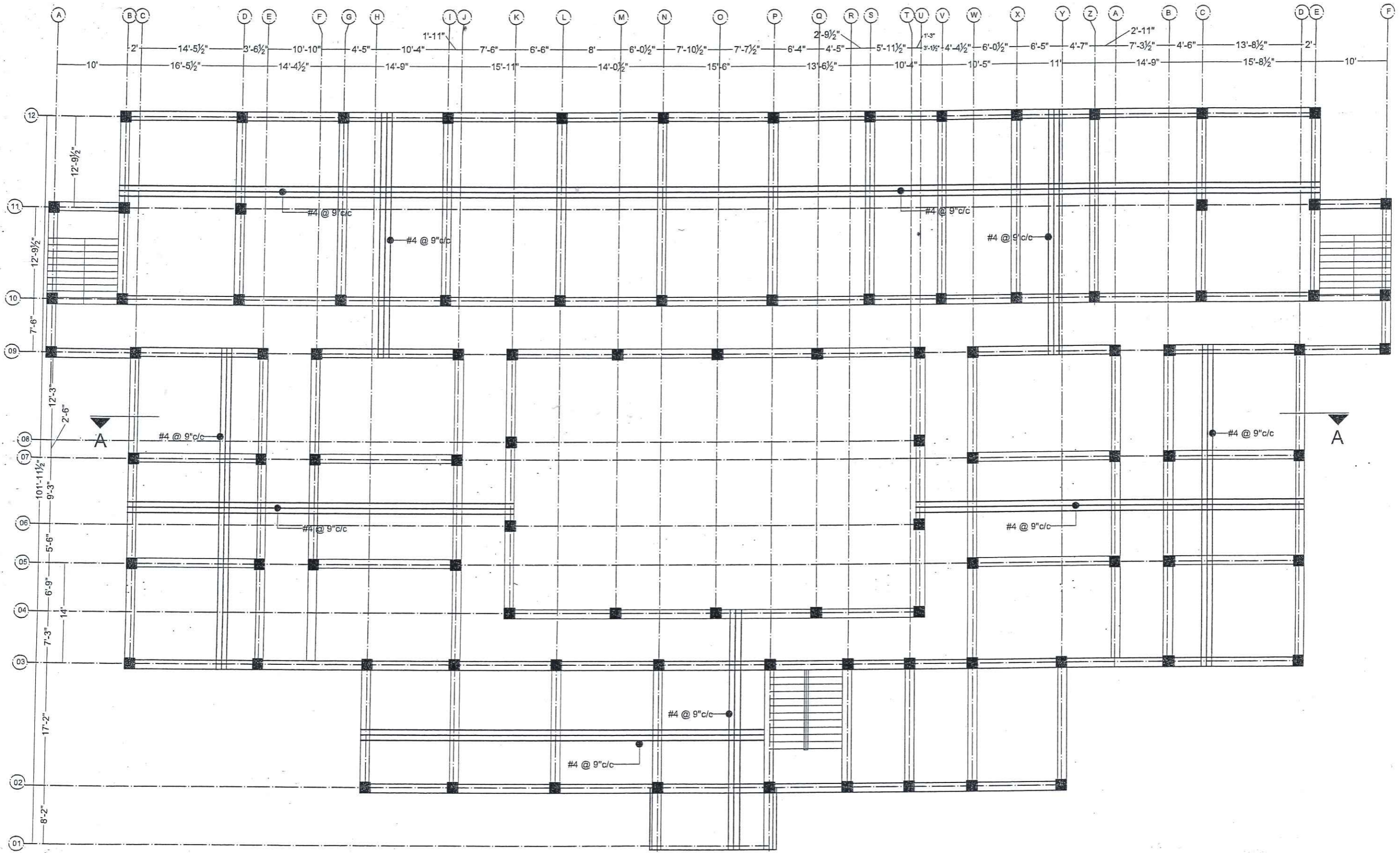
ENGINEER'S SIGNATURE:



Sheet No.

S-17

Scale: As indicated



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PLANNERS.

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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

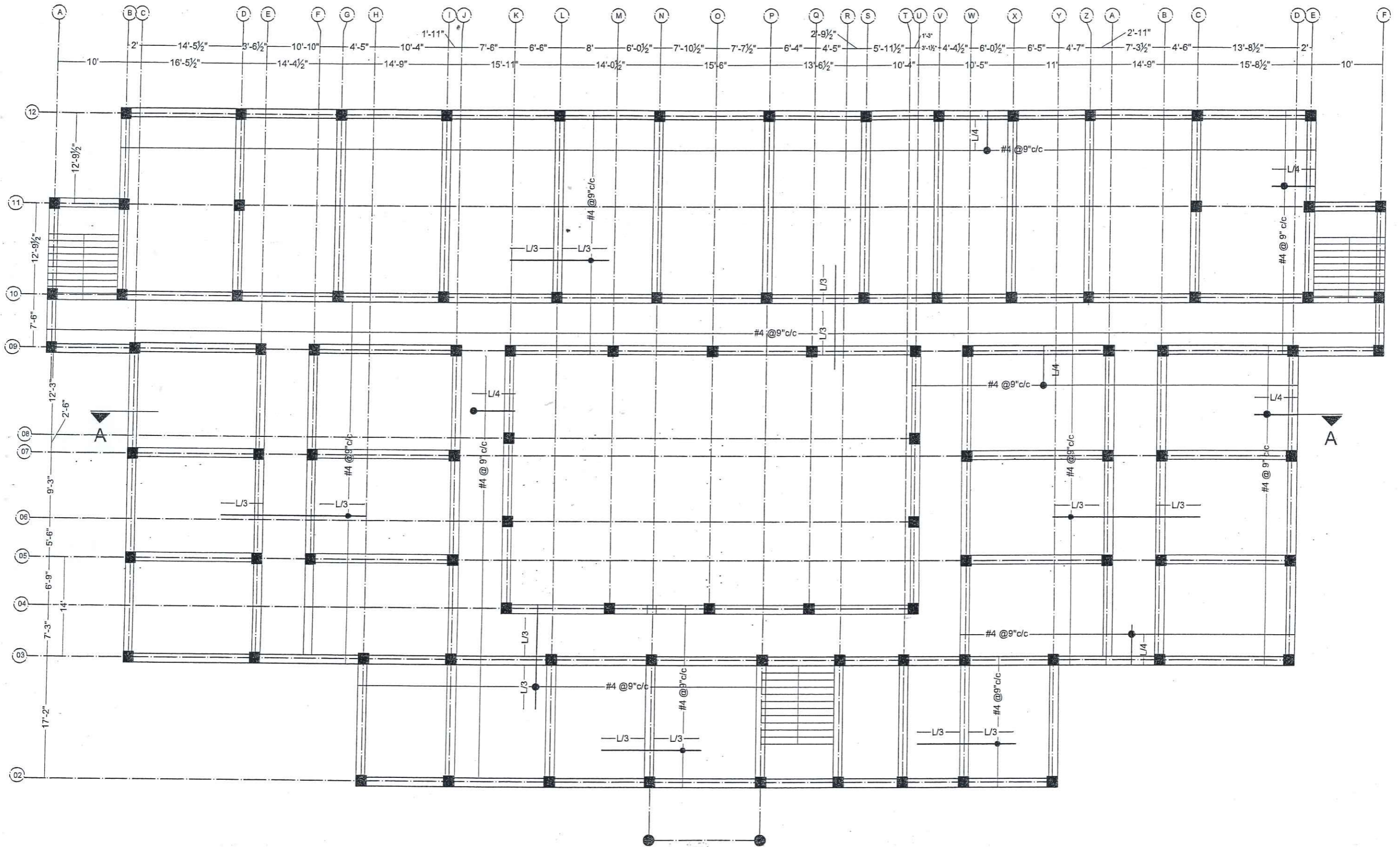
SECOND FLOOR SLAB REINFORCEMENT DETAILS

Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS



ENGINEER'S SIGNATURE

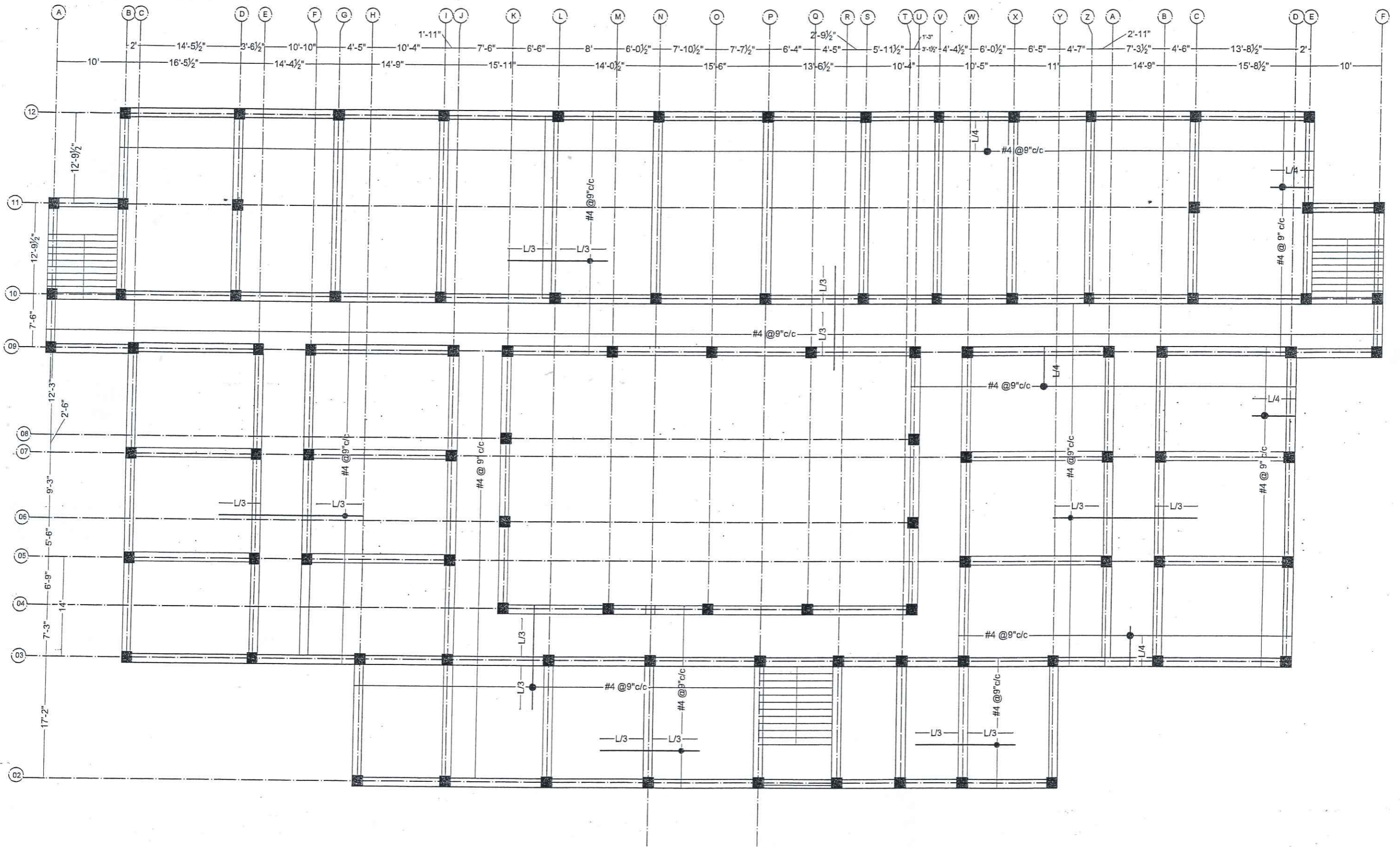
Zarif Khan

Sheet No.	S-18
Scale:	As indicated



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ENGINEERS •
PLANNERS •
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL	GROUND FLOOR SLAB REINFORCEMENT DETAILS	
CLIENT:		Project Number:	0024
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	08-01-2024
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
		ENGINEER'S SIGNATURE:	
			
		Sheet No.	S-19
		Scale:	As indicated

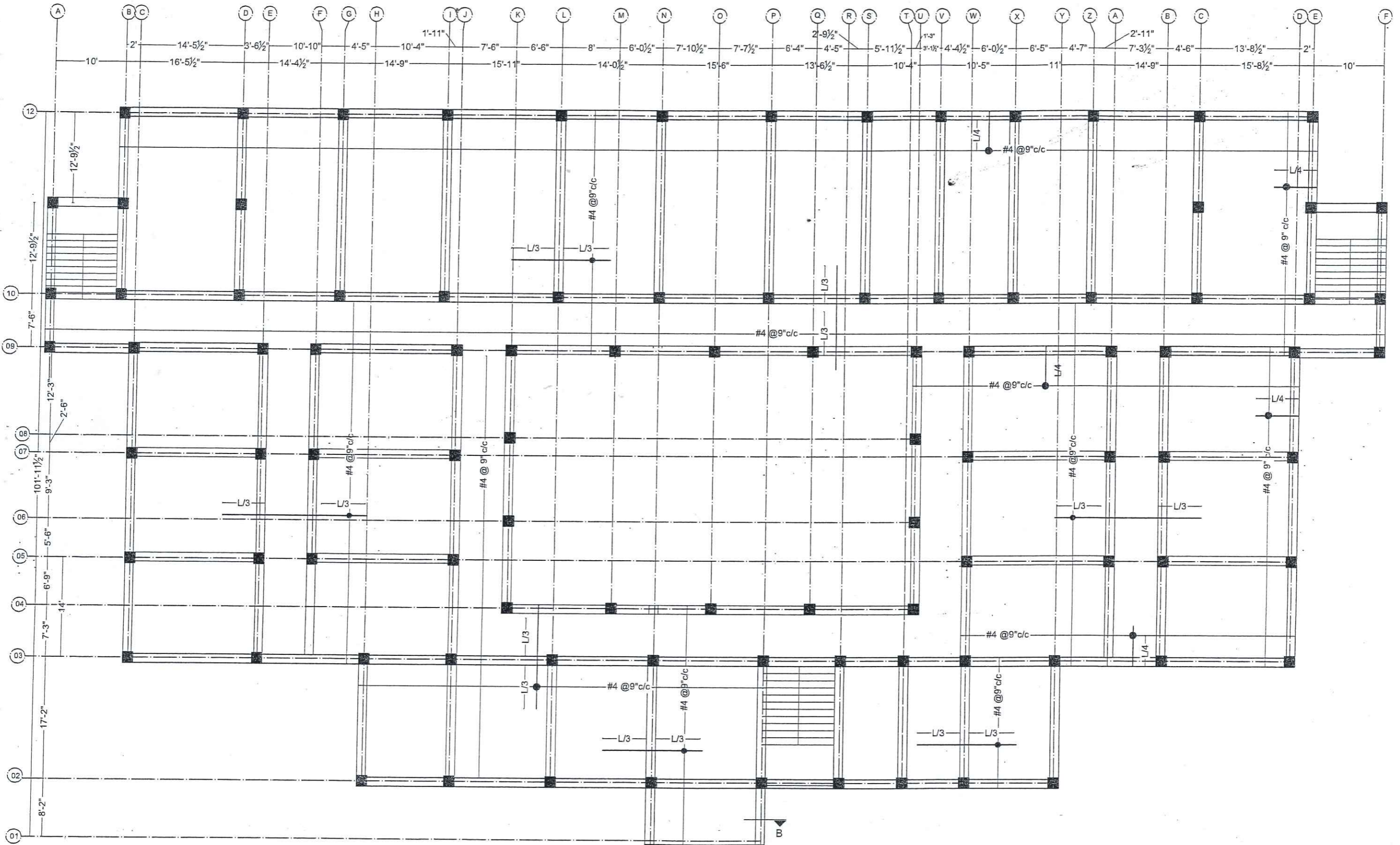


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ENGINEERS .
PLANNERS .

ALLIED ENGINEERING CONSULTANTS
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19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

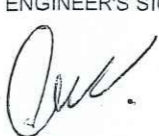

TITLE:	STUDENT HOSTEL	FIRST FLOOR SLAB REINFORCEMENT DETAILS	
CLIENT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Project Number:	0024
PROJECT:		Date:	08-01-2024
		ENGINEER'S SIGNATURE:	
		Designed by:	ENGR. ZARIF KHAN
		Drawn by:	MUHAMMAD ILYAS
			Scale: As indicated

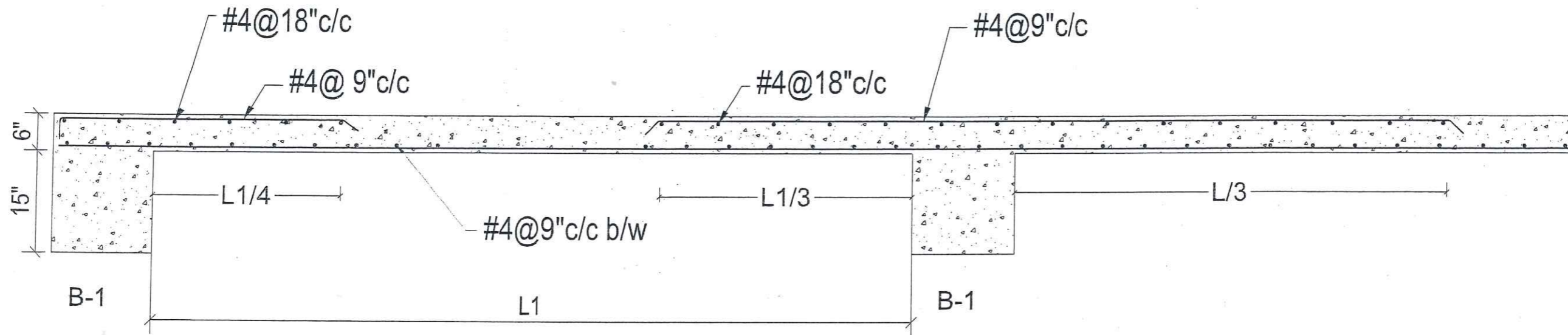
S-20



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ENGINEERS .
PLANNERS .

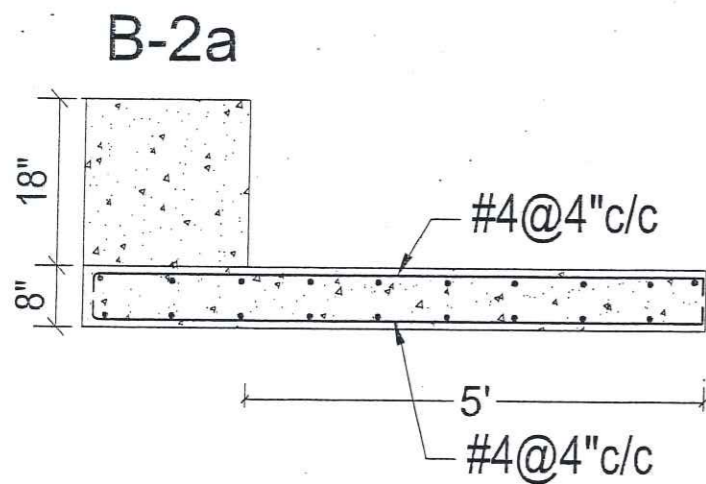
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD.
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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL	SECOND FLOOR SLAB REINFORCEMENT DETAILS	
CLIENT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Project Number:	0024
PROJECT:		Date:	08-01-2024
		ENGINEER'S SIGNATURE:	 
		Designed by:	
		Drawn by:	MUHAMMAD ILYAS
		Sheet No.	S-21
		Scale:	As indicated



SLAB SECTION A-A

SLAB 6" THICK



SLAB SECTION B-B

SLAB 10" THICK



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ENGINEERS.
PLANNERS.

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(PVT.) LTD
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PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL	STEEL SLAB REINFORCEMENT SECTION, DETAILS		
CLIENT:		Project Number:	0024	ENGINEER'S SIGNATURE:
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND	Date:	08-01-2024	
		Designed by:	ENGR. ZARIF KHAN	
		Drawn by:	MUHAMMAD ILYAS	Sheet No.
				S-22
				Scale: As indicated

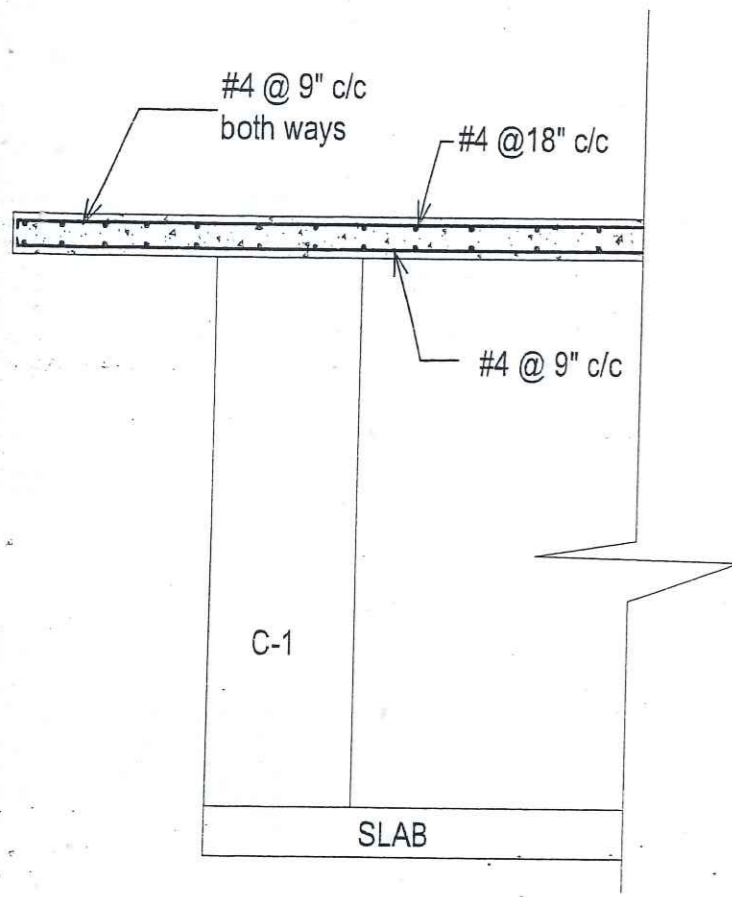
DOOR / WINDOWS LINTEL BEAM DETAILS

SPAN RANGE	WALL THICKNESS	
	4 1/2"	9"
UPTO 4'-0"		
4'-3" TO 6'-0"		
6'-3" TO 8'-0"		
8'-3" TO 10'-0"		

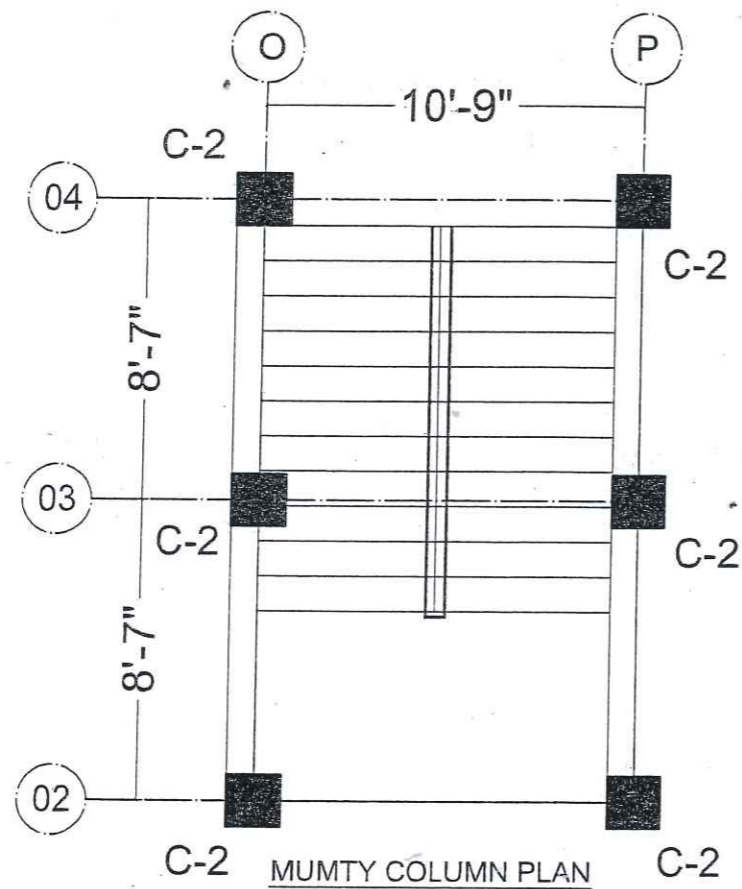
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 19 - A, GULBERG -II- LAHORE
 PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

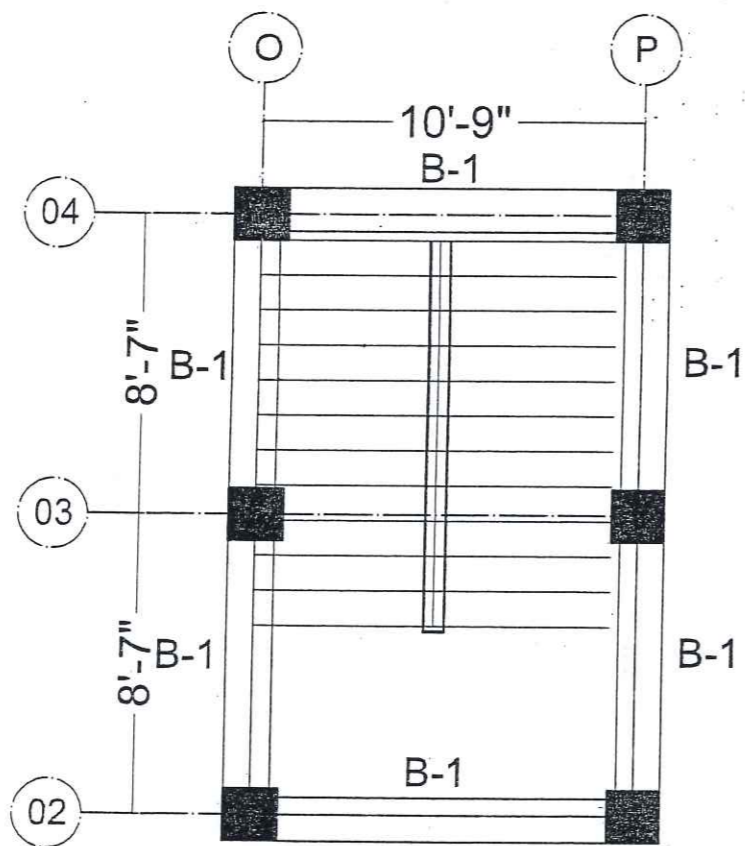
DOOR / WINDOW LINTEL BEAM DETAILS			Sheet No.
Project Number:	0024	ENGINEER'S SIGNATURE: 	S-23
Date:	08-01-2024		
Designed by:	ENGR. ZARIF KHAN		Scale: As indicated
Drawn by:	MUHAMMAD ILYAS		



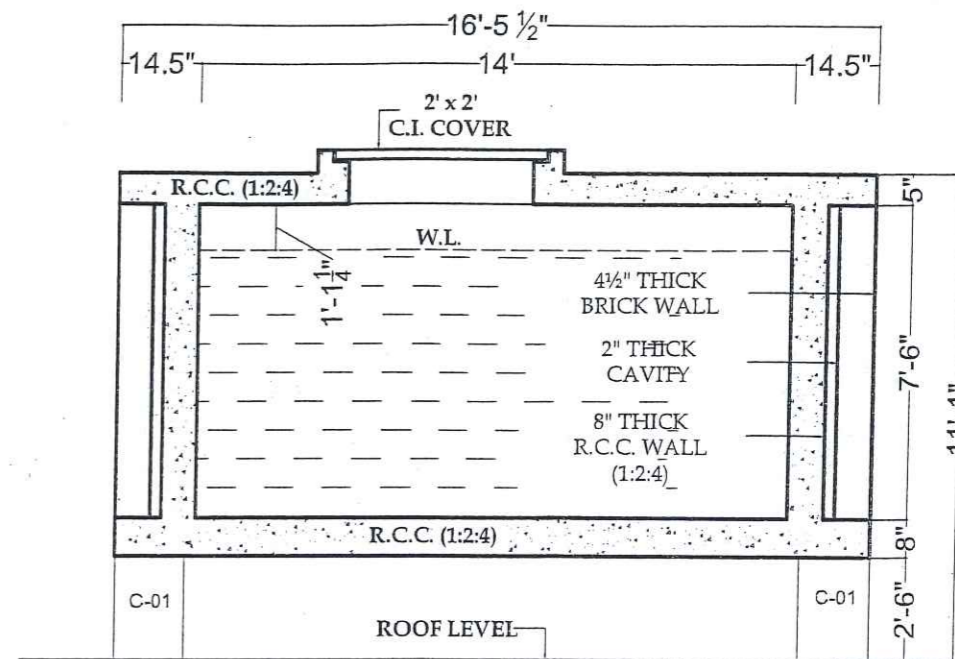
MUMTY SLAB REINFORCEMENT SECTION AT A-A



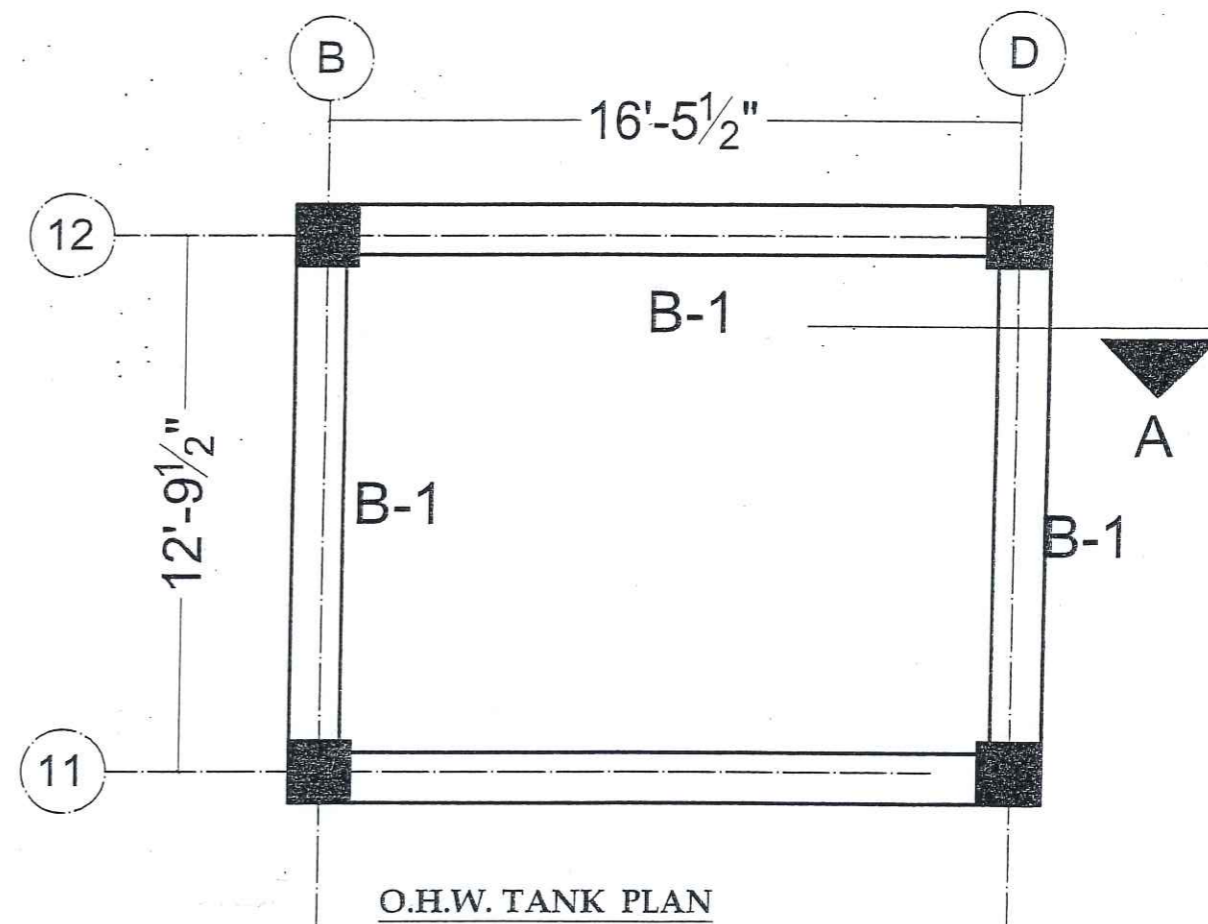
MUMTY COLUMN PLAN



MUMTY BEAM PLAN



O.H.W. TANK DETAIL SECTION AT A-A



O.H.W. TANK PLAN

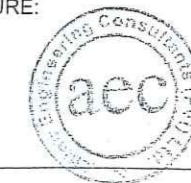
AEC ARCHITECTS .
ENGINEERS .
PLANNERS .
ALLIED ENGINEERING CONSULTANTS
(PVT.) LTD
19 - A, GULBERG -II- LAHORE
PH: 5758433 / 5756752

TITLE:	STUDENT HOSTEL
CLIENT:	
PROJECT:	ESTABLISHMENT OF WOMEN SUB-CAMPUS AT BATKHELA UNIVERSITY OF MALAKAND

MUMTY, O.H.W. TANK PLAN & SECTION	
Project Number:	0024
Date:	08-01-2024
Designed by:	ENGR. ZARIF KHAN
Drawn by:	MUHAMMAD ILYAS

ENGINEER'S SIGNATURE:

[Signature]

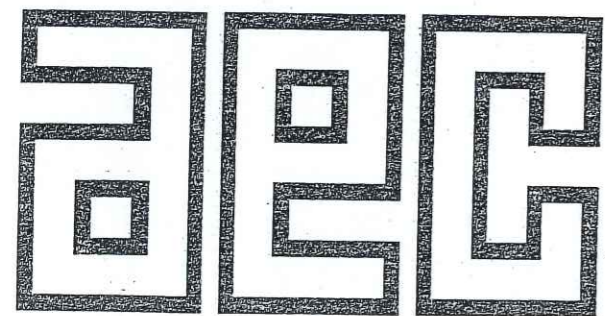


Sheet No.

S-24

Scale: As indicated

ELECTRICAL DRAWINGS



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CLIENT:

UNIVERSITY OF MALAKAND

PROJECT NAME:

ESTABLISHMENT OF WOMEN SUB CAMPUS ,
AT BATKHELA
UNIVERSITY OF MALAKAND

DRAWING

PROJECT NO.

STUDENT HOSTEL

DRAWING NO.

ENGR

YASIR KHAN

CHECKED BY

MRS. SHAHINE KHAN

DRAWN

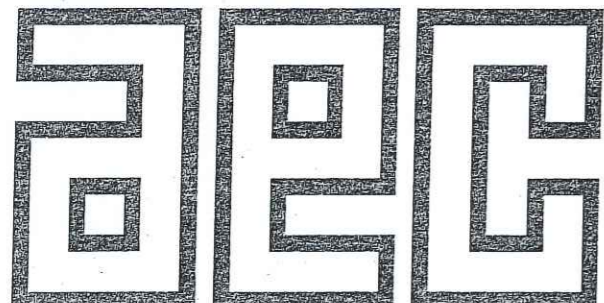
YASIR KHAN

SCALE

AS SHOWN

DATE

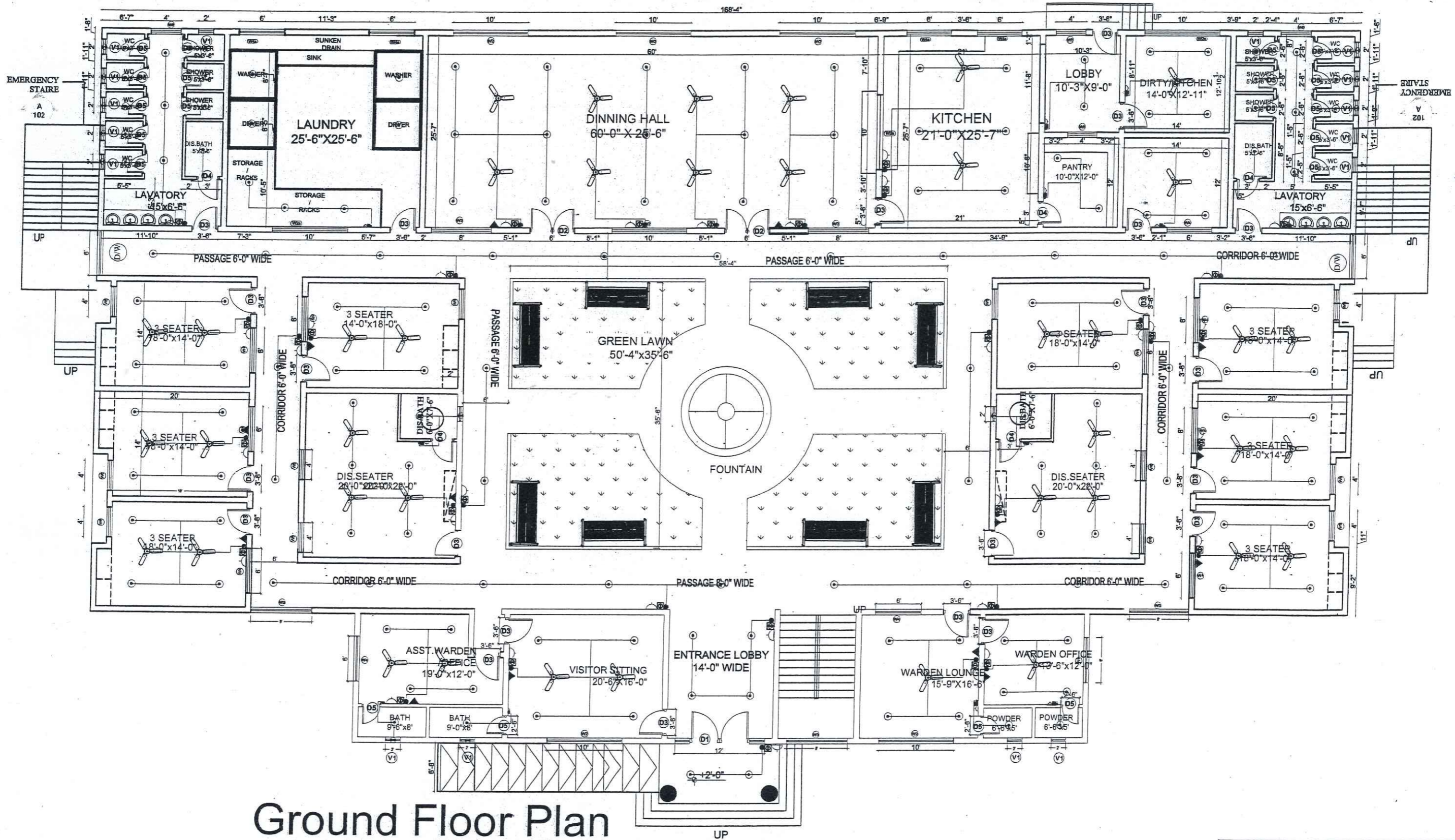
JAN 2024



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Ground Floor Plan

Covered area 7,704.6 sft.

Circulation area 40% (5,136.4sft)

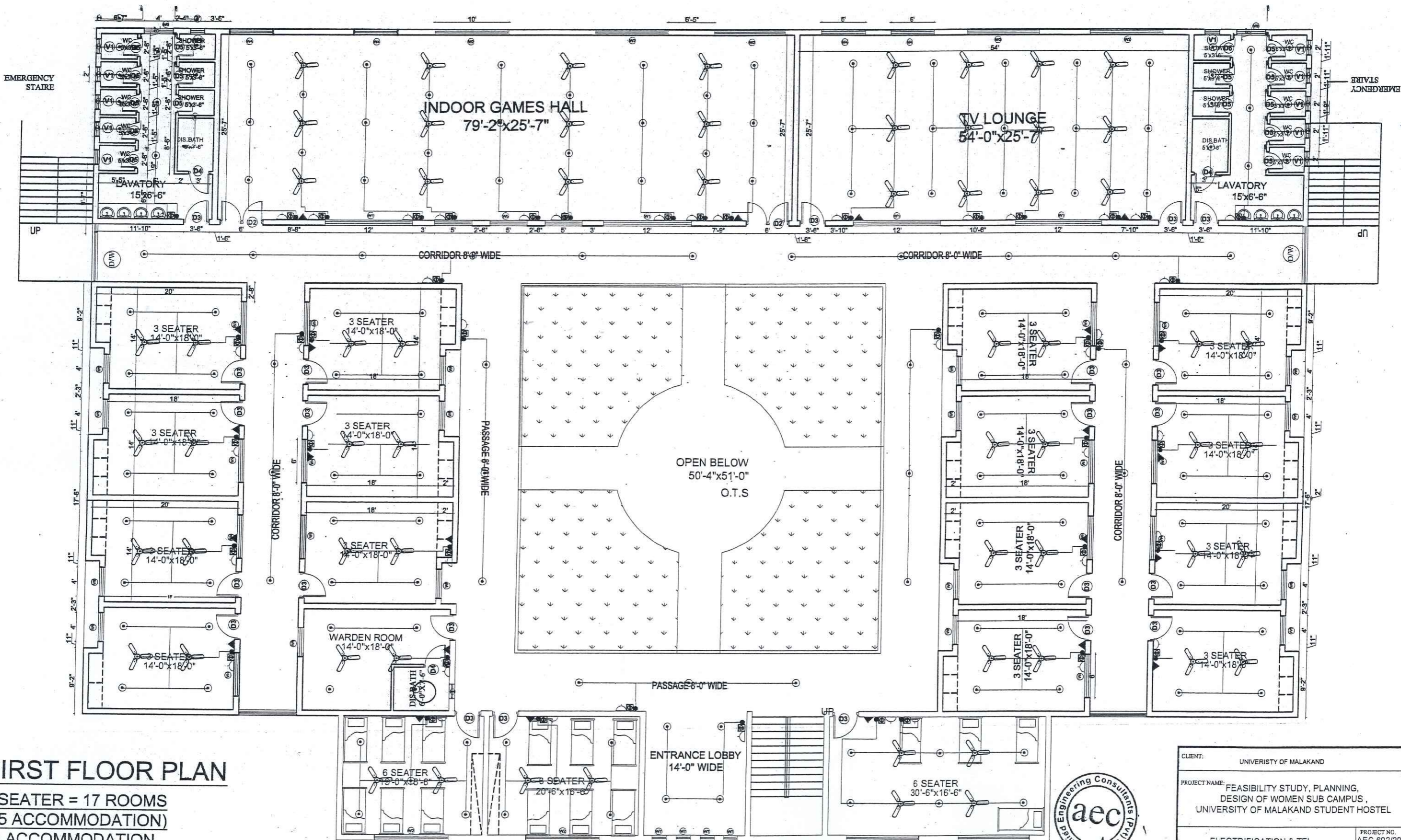
Total area 12,841sft.

G.F+F.F+ S.F = 38,523SFT

(30 ACCOMMODATION)



CLIENT:	UNIVERSITY OF MALAKAND		
PROJECT NAME:	FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL		
ELECTRIFICATION & TEL	PROJECT NO.	AEC-602/2022	
GROUND FLOOR PLAN	DRAWING NO.	A - 1	
ENGRN	CHECKED BY	MRS. SHAHINE KHAN	
DRAWN	SCALE	DATE	
YASIR KHAN	AS SHOWN	OCT 2023	
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS - ENGINEERS - PLANNERS. 19-A, GULBERG-II-LABORE TEL: 5759433 / 5756752			



FIRST FLOOR PLAN

3 SEATER = 17 ROOMS
 (45 ACCOMMODATION)
 18 ACCOMMODATION



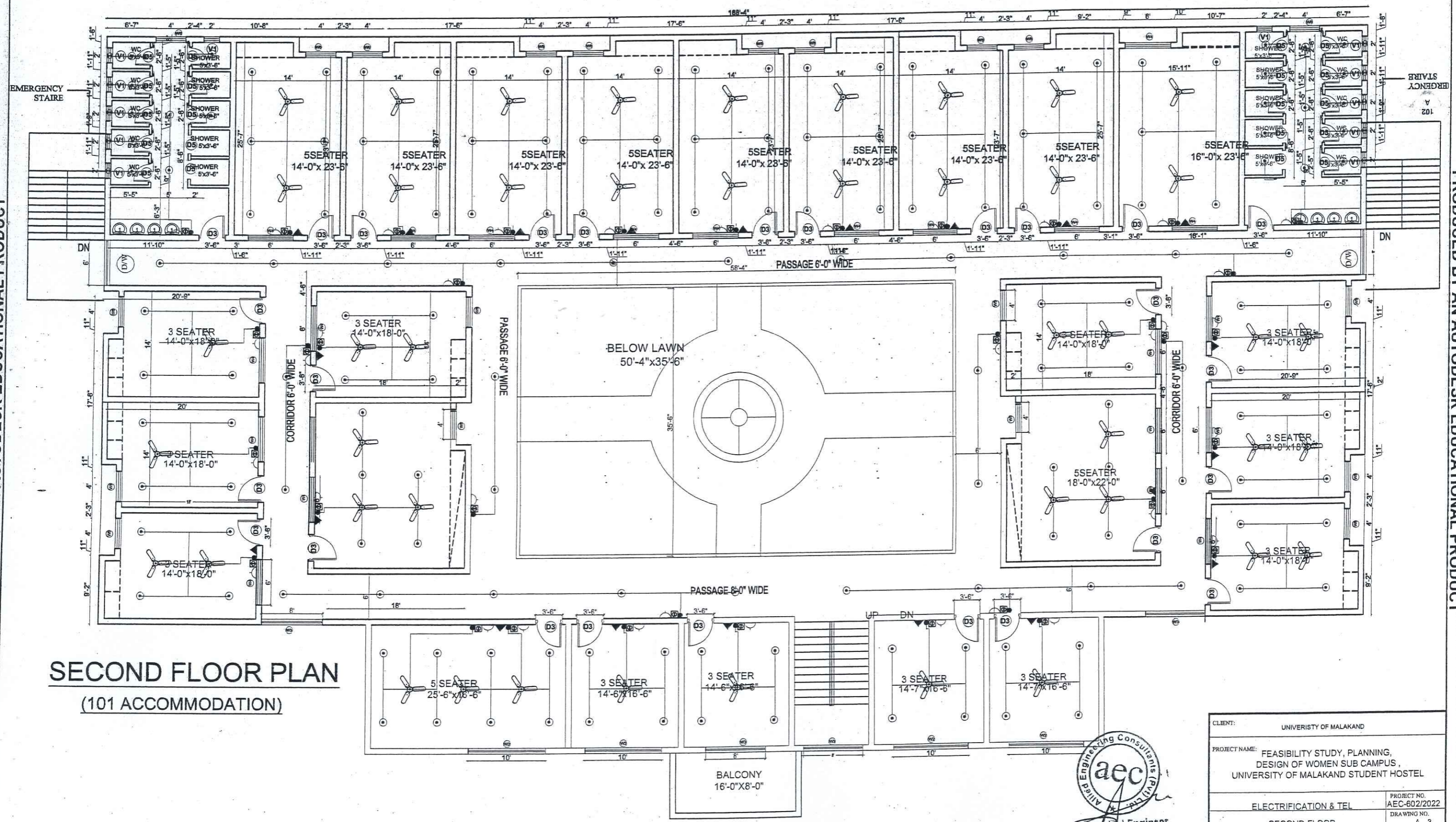
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
ELECTRIFICATION & TEL	PROJECT NO. AEC-602/2022
FIRST FLOOR PLAN	DRAWING NO. A-2
ENGR. YASIR KHAN	CHECKED BY MRS. SHAHINE KHAN
DRAWN YASIR KHAN	SCALE AS SHOWN
	DATE OCT 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS - ENGINEERS - PLANNERS. 15-A, GULBERG-II-LAHORE. PH: 3758433 / 3759752	

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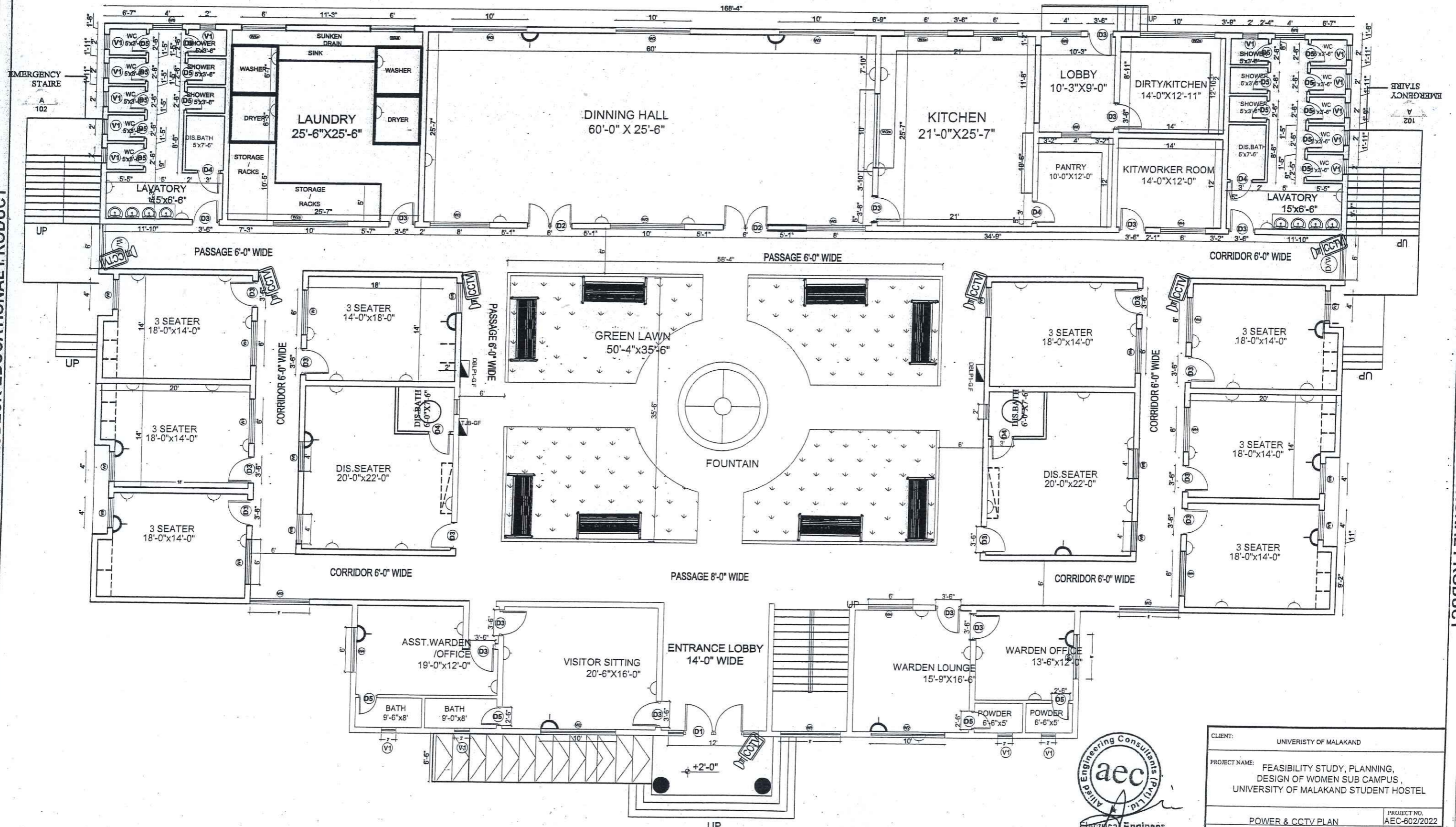
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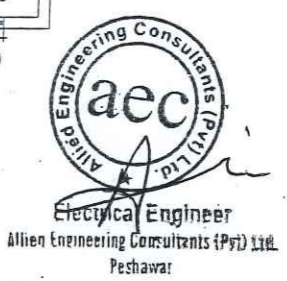
SECOND FLOOR PLAN
 (101 ACCOMMODATION)


 Electrical Engineer
 Allied Engineering Consultants (Pvt) Ltd.
 Peshawar

CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
ELECTRIFICATION & TEL	PROJECT NO. AEC-602/2022
SECOND FLOOR	DRAWING NO. A-3
ENGR. YASIR KHAN	CHECKED BY MRS. SHAHINE KHAN
DRAWN YASIR KHAN	SCALE AS SHOWN
	DATE OCT 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS · ENGINEERS · PLANNERS · 15-A, GULBERG-II, LAHORE. P/B: 5759403 / 5756752	



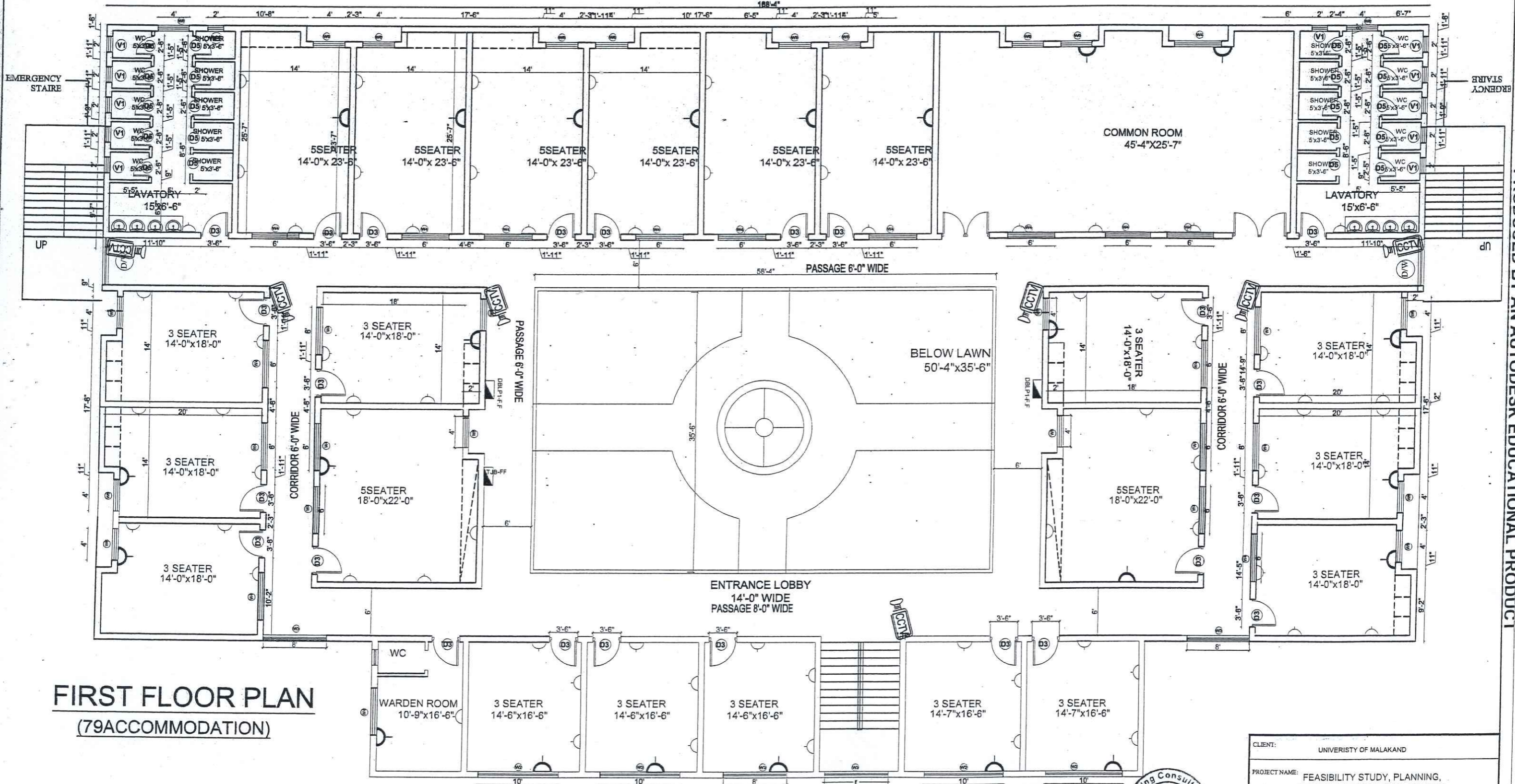
Ground Floor Plan
 Covered area 7,704.6 sft.



CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
POWER & CCTV PLAN	PROJECT NO. AEC-602/2022
GROUND FLOOR	DRAWING NO. A-4
ENGR. YASIR KHAN	CHECKED BY MRS. SHAHINE KHAN
DRAWN YASIR KHAN	SCALE AS SHOWN
	DATE OCT 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG - D - LAHORE PH: 5758433 / 5756752	


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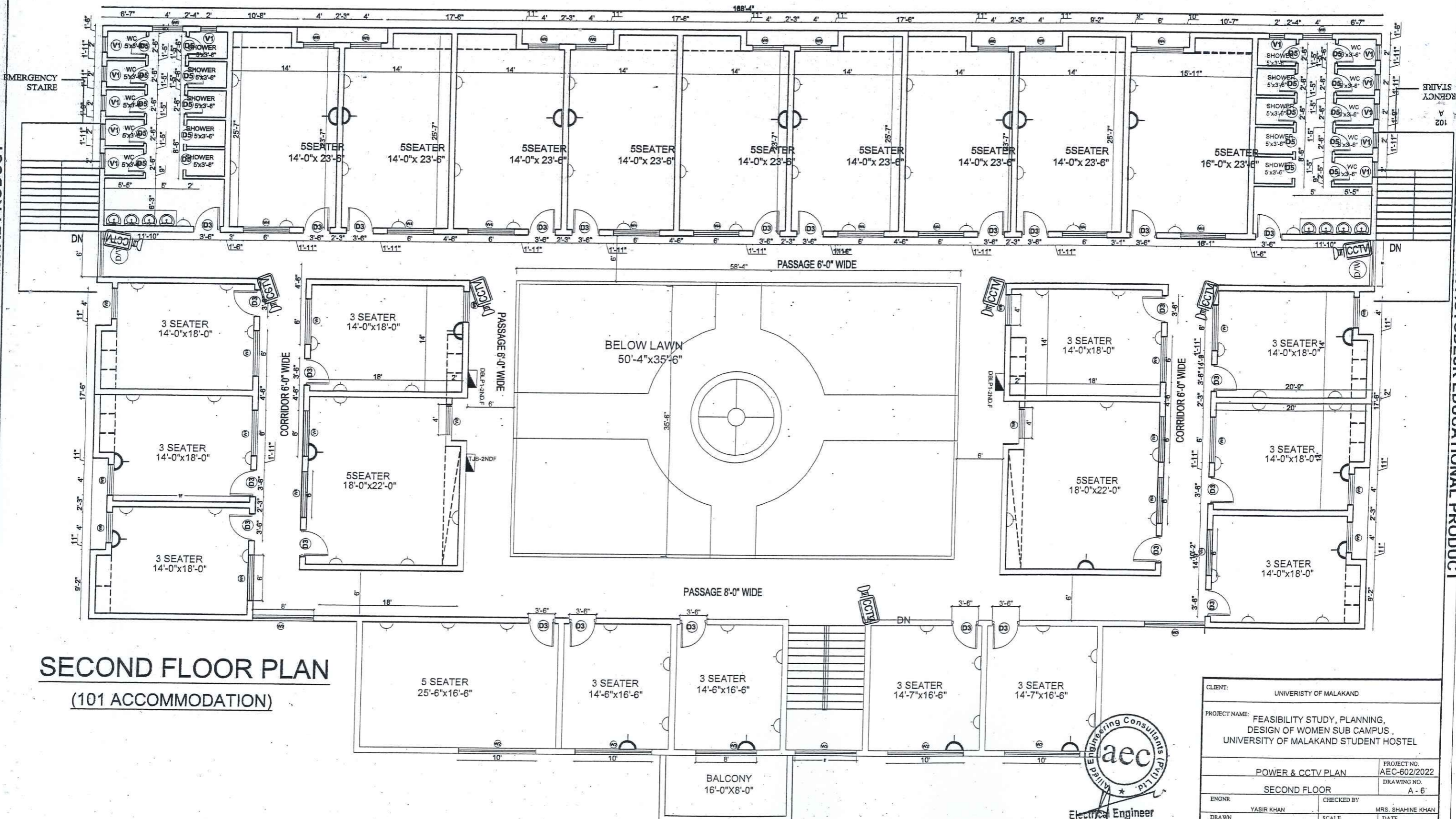
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



FIRST FLOOR PLAN
(79ACCOMMODATION)

aec
Allied Engineering Consultants (Pvt) Ltd.
Peshawar

CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
POWER & CCTV PLAN	PROJECT NO. AEC-602/2022
FIRST FLOOR	DRAWING NO. A-5
ENGR YASIR KHAN	CHECKED BY MRS. SHAHINE KHAN
DRAWN YASIR KHAN	SCALE AS SHOWN
	DATE OCT 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD. ARCHITECTS. ENGINEERS. PLANNERS. 19-A, GULBERG-II, LAHORE. P/F: 5759433 / 9756752	



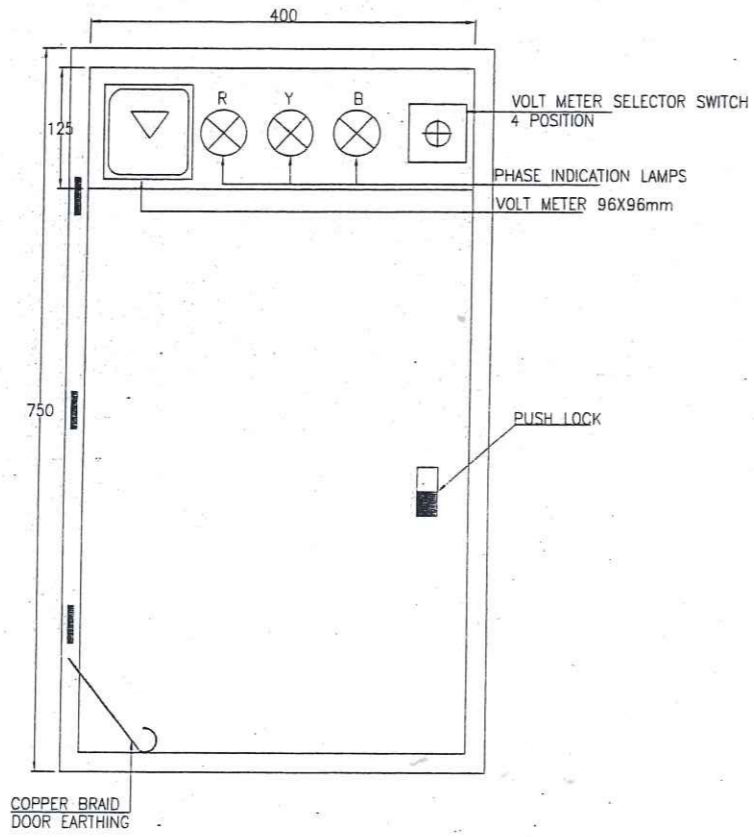
SECOND FLOOR PLAN
(101 ACCOMMODATION)

acc
Allied Engineering Consultants (Pvt) Ltd.
Peshawar

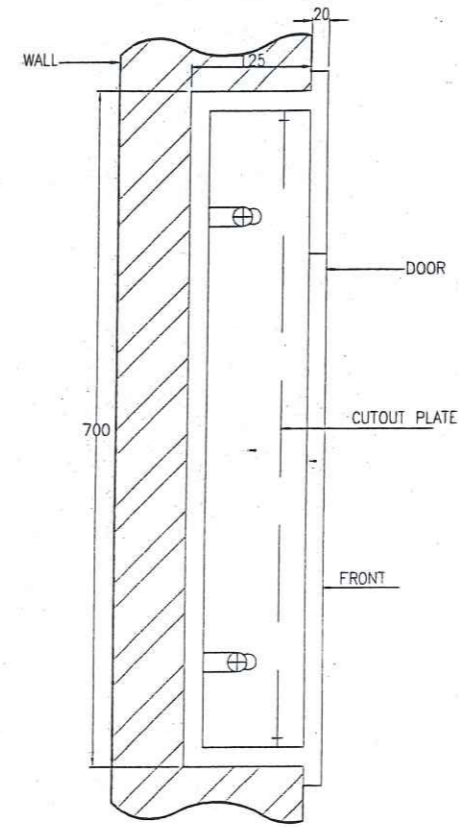
CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
POWER & CCTV PLAN	PROJECT NO. AEC-602/2022
SECOND FLOOR	DRAWING NO. A-6'
ENGR. YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: YASIR KHAN	SCALE: AS SHOWN
	DATE: OCT 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II, LAHORE. P: 5758433 / 5756752	

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

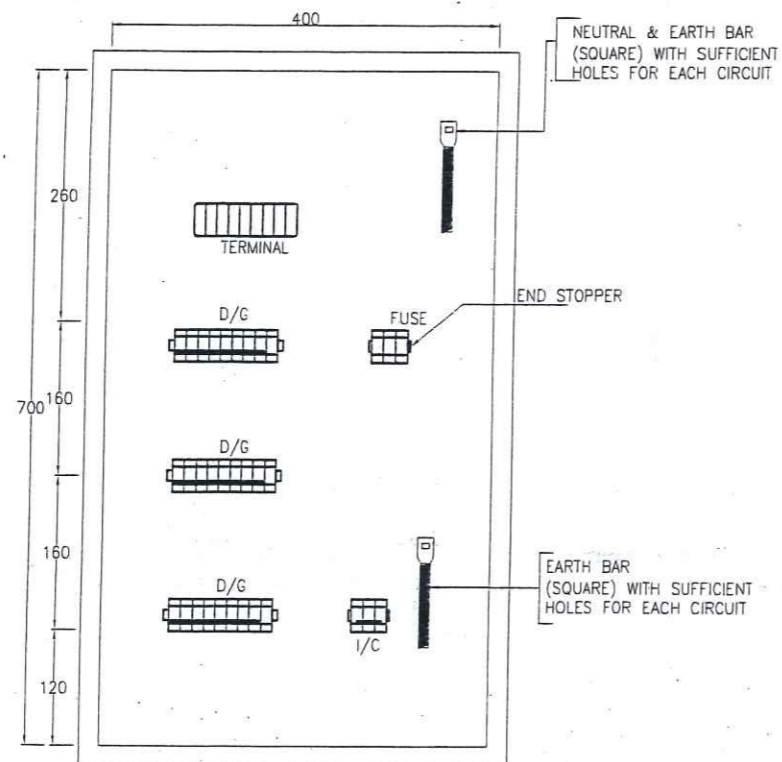
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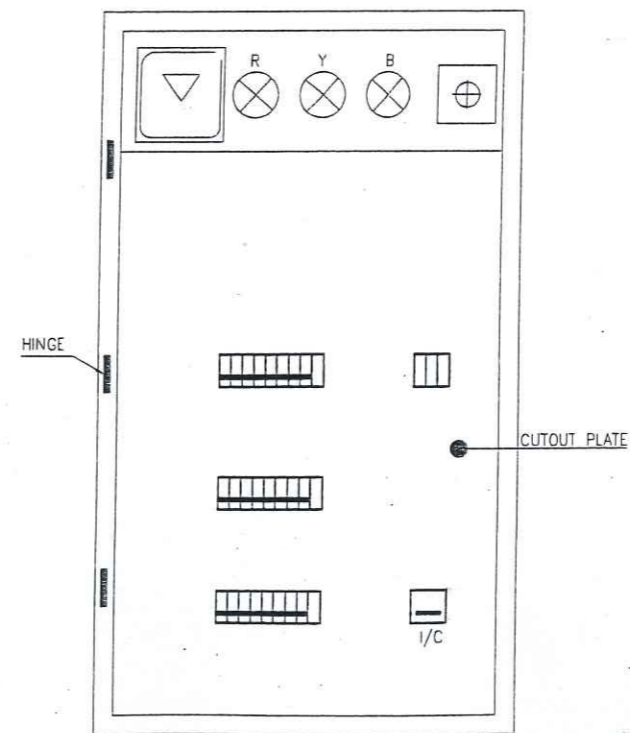
FRONT VIEW



SECTIONAL SIDE



FRONT VIEW
INTERNAL ARRANGMENT



FRONT VIEW
WITH CUT OUT PLATE

Electrical Engineer
 Allied Engineering Consultants (Pvt) Ltd.
 Peshawar

CLIENT: UNIVERSITY OF MALAKAND	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
DRAWING: DISTRIBUTION BOARD	PROJECT NO. AEC-602/2022 DRAWING NO. A-7
ENGR: YASIR KHAN	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: YASIR KHAN	SCALE: AS SHOWN DATE: OCT 2023
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II-LABORE PH: 5759403 / 5756752	

EARTHING DETAIL BORE TYPE

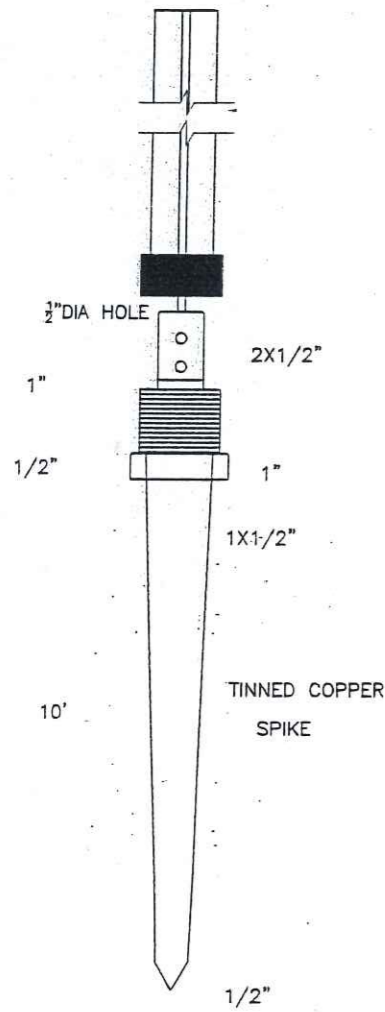
2x50 mm sq STRANDED COPPER
CONDUCTOR PURITY:99% IN G.I
PIPE FOR EARTHING LEAD ENTRY
UP TO MPB/SMPB

CONCRETE COVER 18"x18"

4" THICK

PLUG

COPPER EARTH TEST LINK
8"x12"x1/2" WITH HOLES
BRASS NUTS, FIXED ON WALL
OF MAN HOLE



ERATHING LEADS

50mm G.L. PIPE

1/2" DIA HOLE

2X1/2"

1"

1/2"

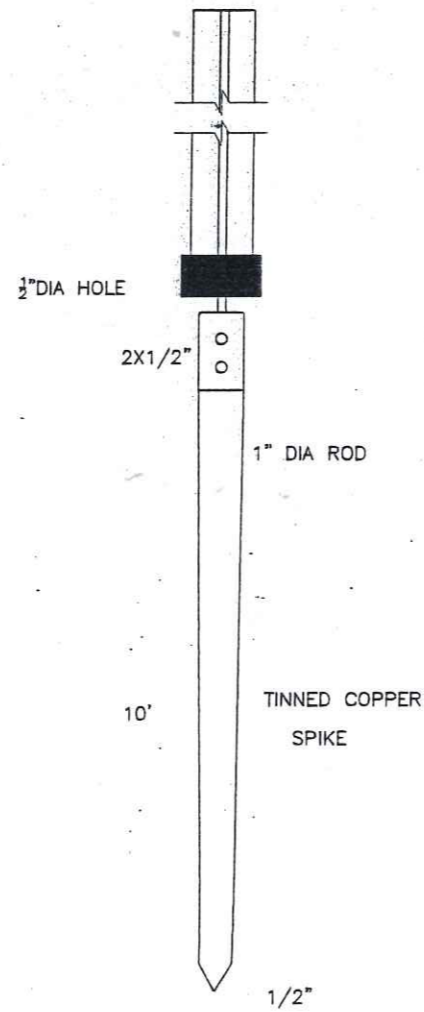
1X1/2"

10'

TINNED COPPER
SPIKE

1/2"

DETAIL OF EARTH SPIKE



1/2" DIA HOLE

2X1/2"

10'

TINNED COPPER
SPIKE

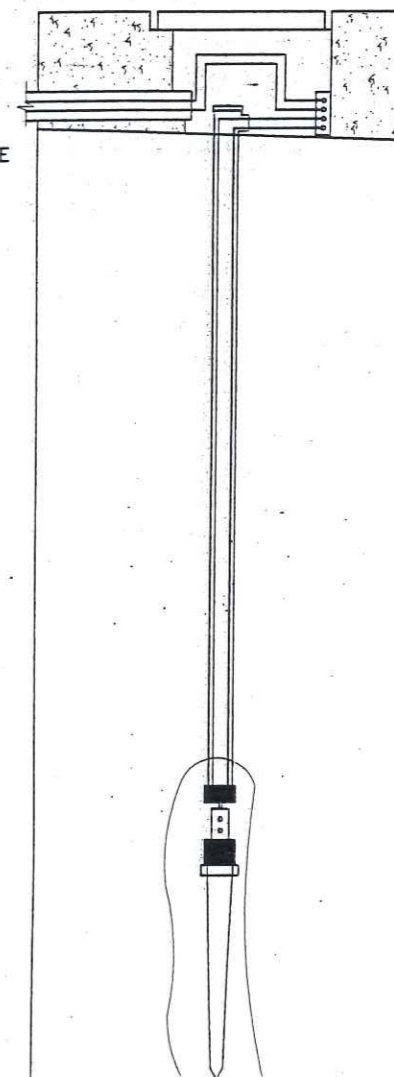
1/2"

DETAIL OF EARTH ROD

F.F.L
18"
50 mm DIA G.I PIPE
TEE

70' TO 80' (20 TO 25m)
UP TO PERMANENT WATER LEVEL

2"DIA G.I HOLE



1:3:6 R.C.C OR
9" BRICK WALL

2"DIA G.I PIPE
14 SWG

1x50 mm sq
SCC


2"DIA G.I PIPE

1/2" DIA HOLE

TINNED COPPER SPIKE

SEE DETAIL OF
EARTH SPIKE



CLIENT: COMMUNICATION & HEALTH DEPARTMENT	
PROJECT NAME: FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS, UNIVERSITY OF MALAKAND STUDENT HOSTEL	
DRAWING: EARTHING DETAIL	PROJECT NO. AEC-602/2022 DRAWING NO. A-8
ARCHITECT: AR. BAQIR ALI	CHECKED BY: MRS. SHAHINE KHAN
DRAWN: ASIM	SCALE: AS SHOWN DATE: OCT 2023
 ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19-A, GULBERG-II-LAHORE PH: 5758433 / 5756752	

ESTABLISHMENT OF WOMEN SUB CAMPUS AT BAKHELA , UNIVERSITY OF MALAKAND

EXTERNAL DEVELOPMENT WORK

PROJECT NO.

DRAWING NO.

ARCHITECT

BAQIR ALI

CHECKED

MRS. SHAHINE KHAN

DRAWN

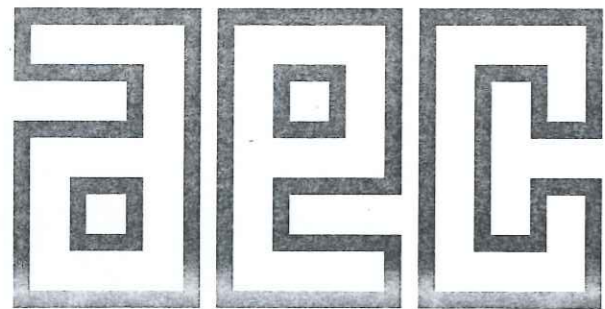
ASIM

SCALE

AS SHOWN

DATE

JULY 2024



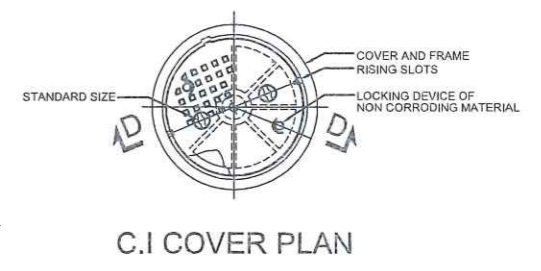
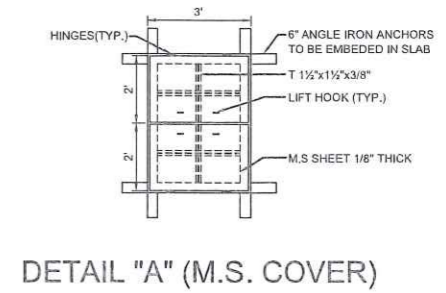
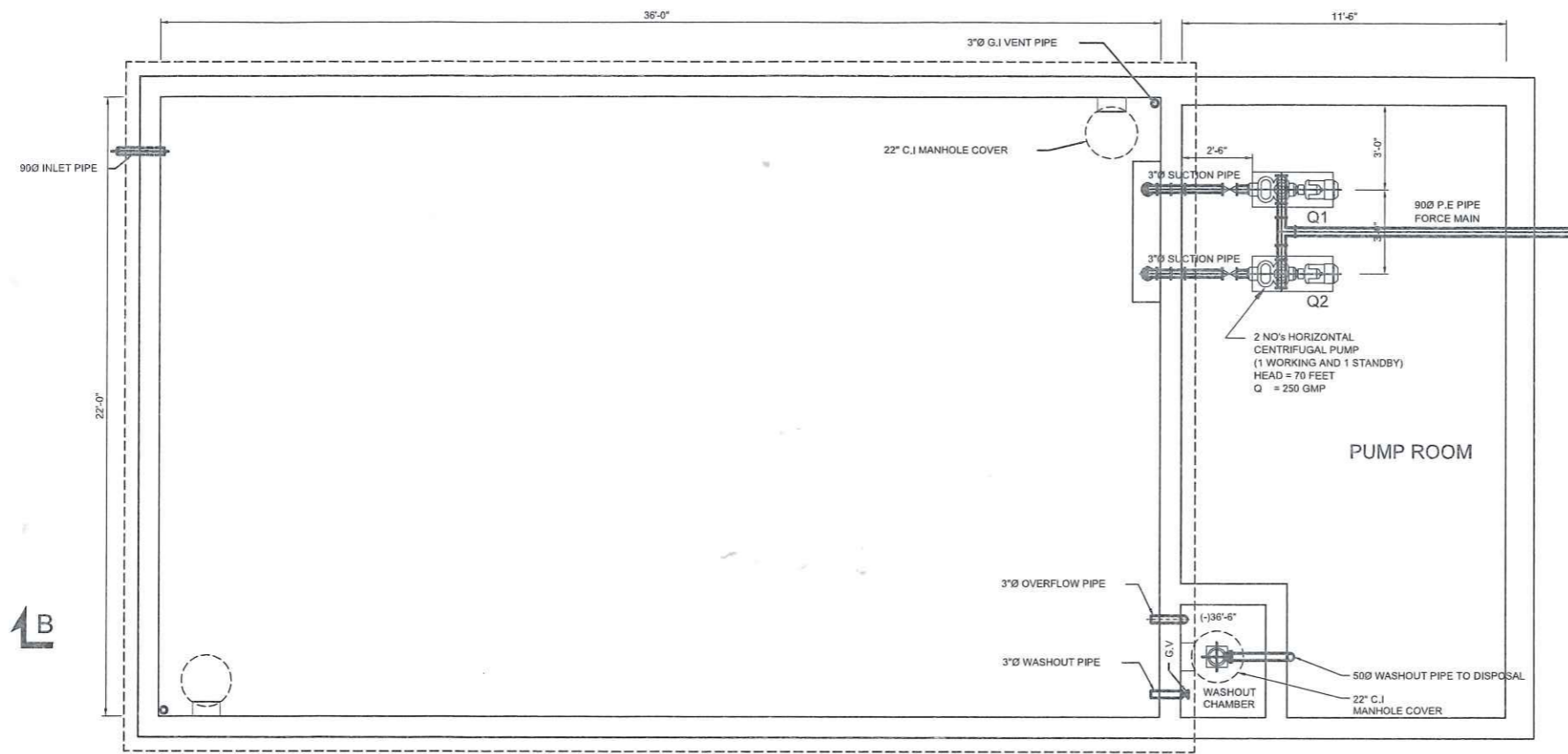
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD

ARCHITECTS.

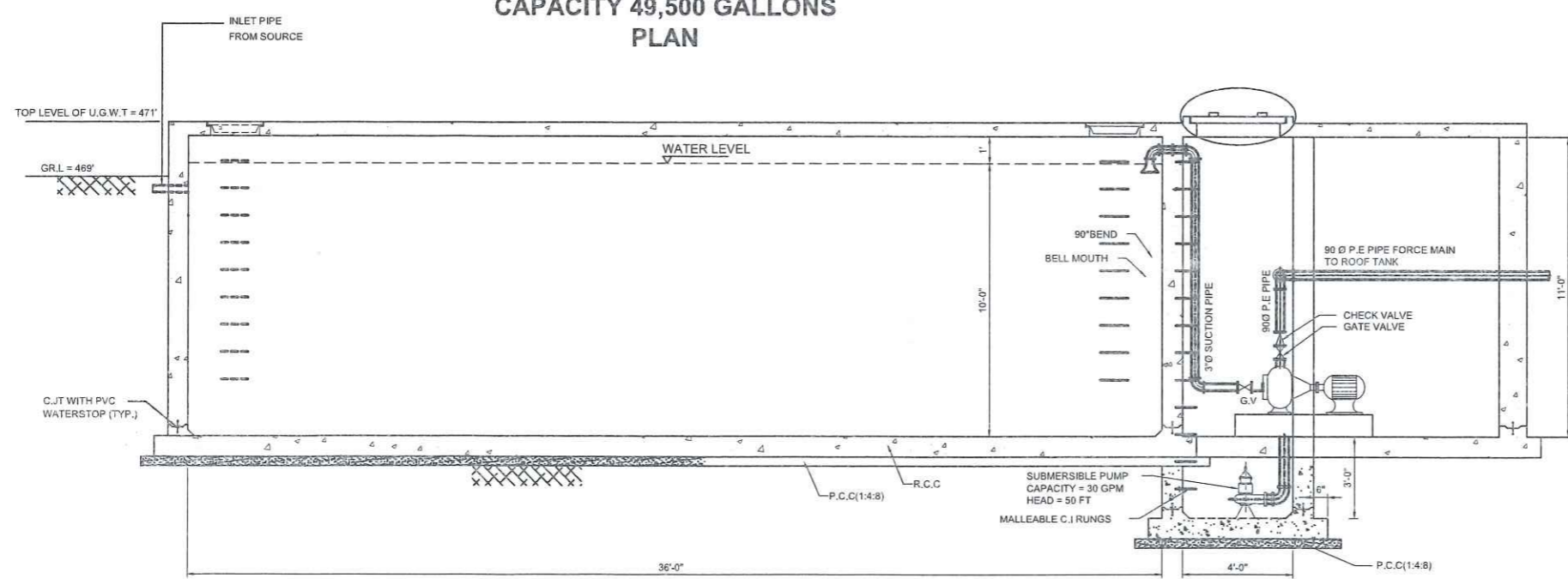
ENGINEERS.

PLANNERS.

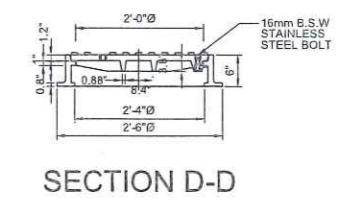
19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752



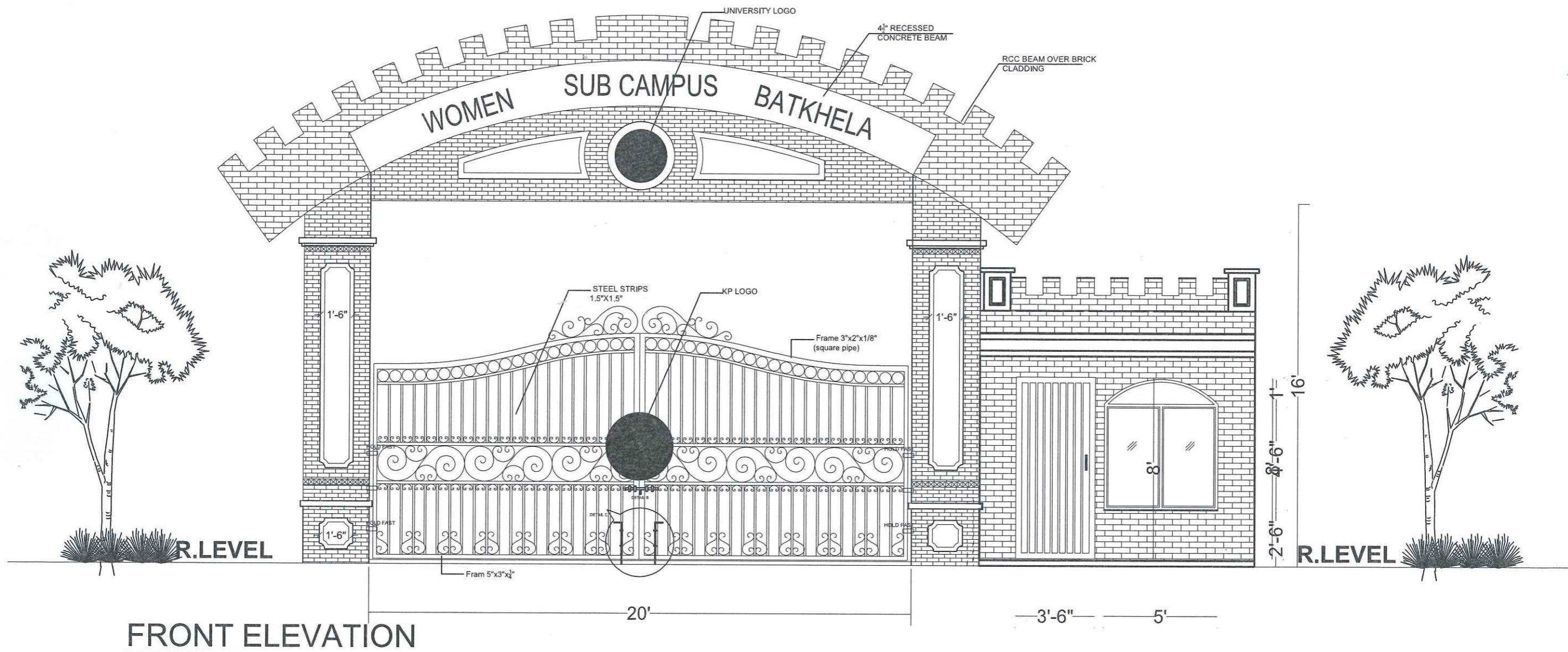
UNDER GROUND WATER TANK
CAPACITY 49,500 GALLONS
PLAN



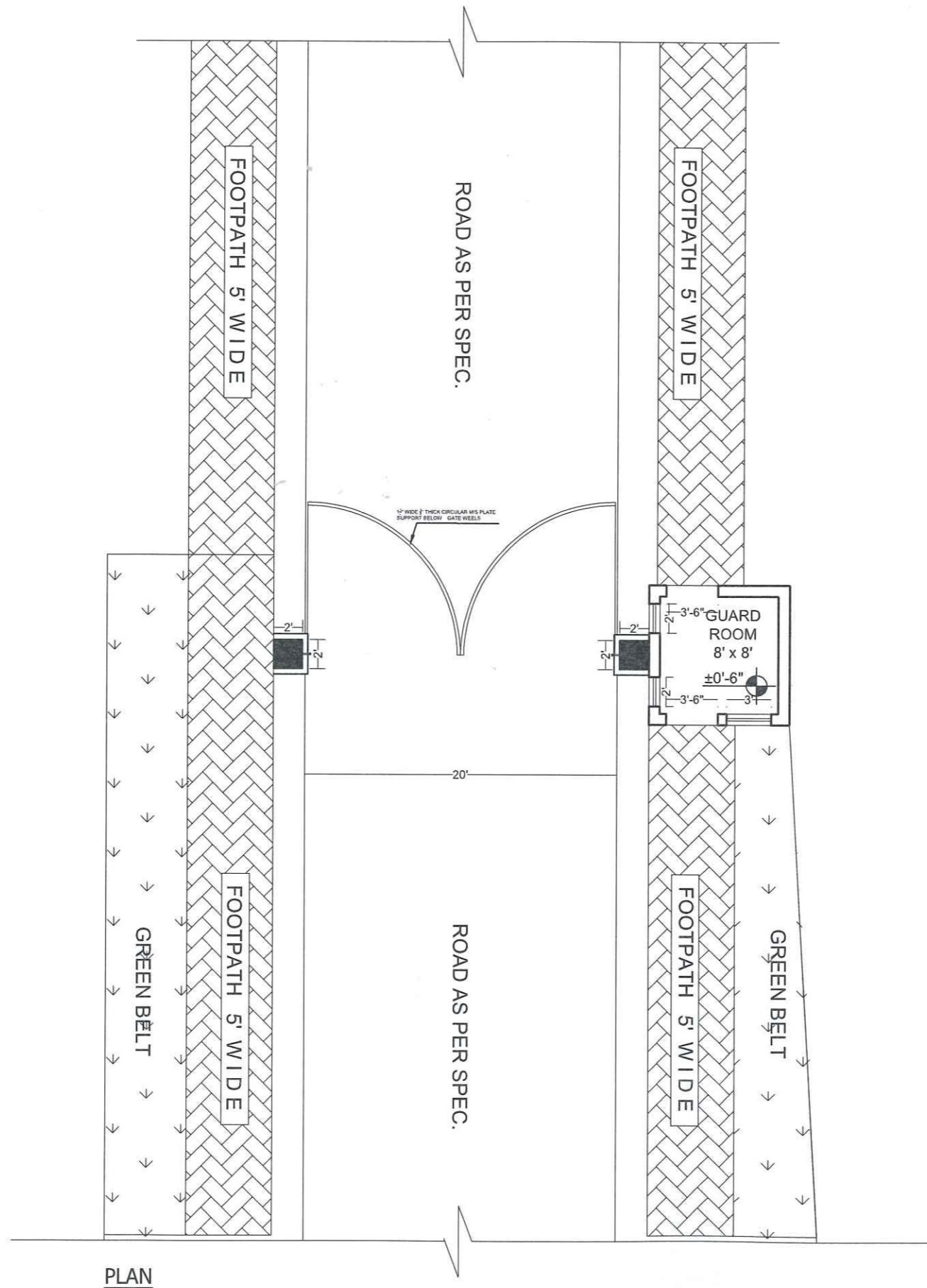
SECTION B-B



CLIENT:	UNIVERSITY OF MALAKAND		
PROJECT NAME:	ESTABLISHMENT OF WOMEN SUB CAMPUS AT BAKHELA, UNIVERSITY OF MALAKAND		
DETAIL OF UNDER GROUND WATER TANK CAPACITY 50000 GALLONS	PROJECT NO.	DRAWING NO.	
ENGINEER	WAHEED KHAN	CHECKED	MRS.SHAHINE KHAN
DRAWN	M.ZAHID	SCALE	DATE
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS . ENGINEERS . PLANNERS . 19 - A, GULBERG-II, LAHORE PH: 5758433/5756752			



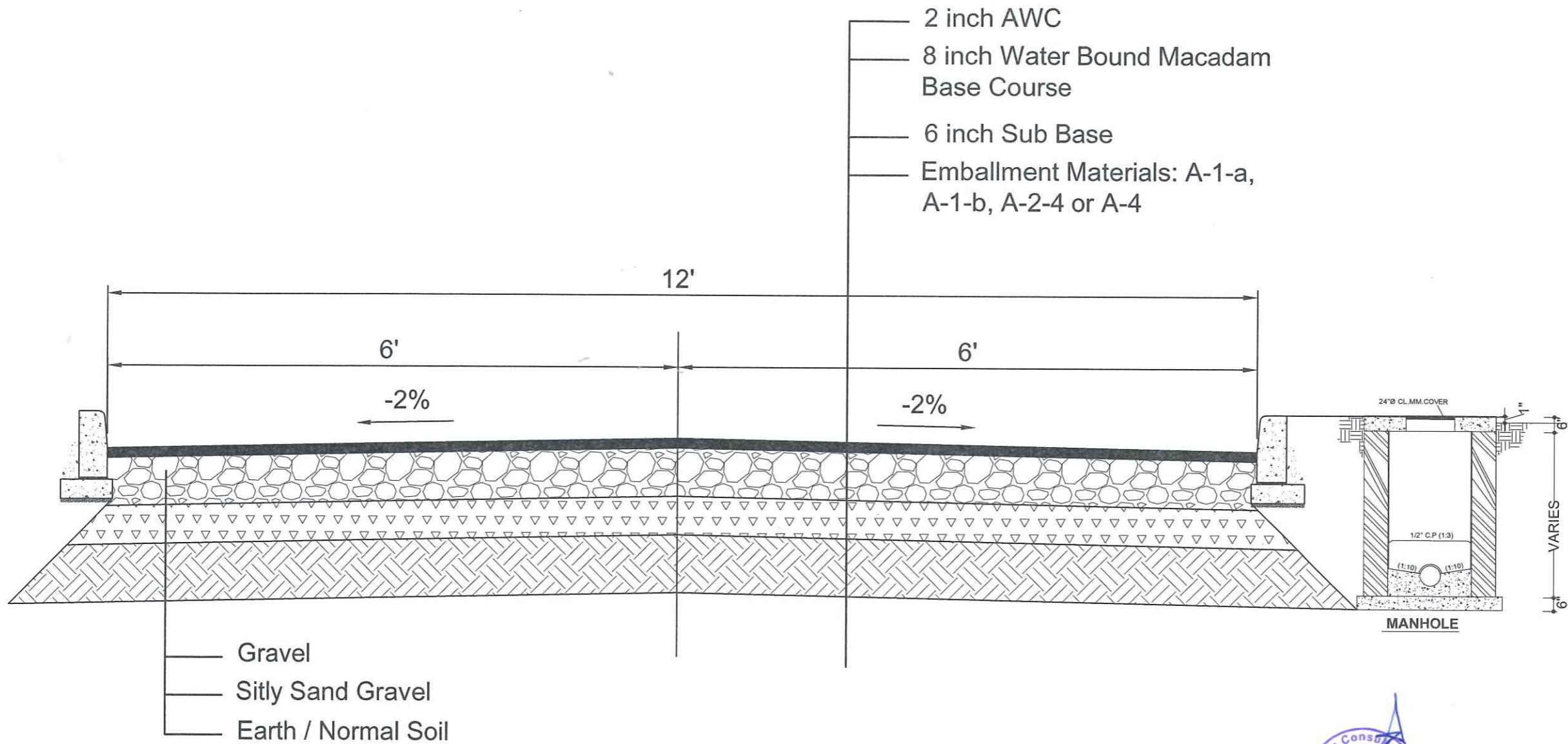
FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS , UNIVERSITY OF MALAKAND			
MAIN GATE		PROJECT NO.	
		DRAWING NO. 01	
ARCHITECT	AR.BAQIR ALI	CHECKED	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	DATE
		AS SHOWN	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS 19 - A, GULBERG -II- LAHORE PH: 5758433 / 5758752			



PLAN



FEASIBILITY STUDY, PLANNING, DESIGN OF WOMEN SUB CAMPUS , UNIVERSITY OF MALAKAND			
MAIN GATE		PROJECT NO.	
		DRAWING NO. 03	
ARCHITECT	AR.BAQIR ALI	CHECKED	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	AS SHOWN
		DATE	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS 19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752			



TYPICAL SECTION

ESTABLISHMENT DESIGN OF WOMEN SUB CAMPUS , UNIVERSITY OF MALAKAND			
ASPHALT ROAD DETAIL		PROJECT NO.	
		DRAWING NO.	12
ARCHITECT	BAQIR ALI	CHECKED	MRS. SHAHINE KHAN
DRAWN	ASIM	SCALE	AS SHOWN
		DATE	JANUARY 2024
ALLIED ENGINEERING CONSULTANTS (PVT.) LTD ARCHITECTS. ENGINEERS. PLANNERS. 19 - A, GULBERG -II- LAHORE PH: 5758433 / 5756752			