



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO

UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO

ACADEMIC BLOCK
TENDER DRAWINGS

APRIL, 2024

DESIGN BY



NEW VISION ENGINEERING CONSULTANT

HEAD OFFICE:

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REGIONAL OFFICE:

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Cavalry Ground ,Lahore
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LIST OF DRAWINGS

S.NO.	DRAWING TITLE	DRG. NO
ARCHITECTURE DRAWINGS		
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2	MASTER PLAN	MP-01
3	3D VIEW	3D-02
4	3D VIEW	3D-02
5	GROUND FLOOR PLAN	AR-01
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ADDITION & REVISION				
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY



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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK LIST OF DRAWINGS
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S
DRAWN BY:	SAIF	JOB NO.	
DATE :	APRIL-2024		
SCALE:	N.T.S		
DRG. NO.	LS-00		

MASTER PLAN

**CORRIDOR
CONNECTED TO
EXISTING NURSING
SCHOOL CORRIDOR**

**PROPOSED
ACADEMIC
BLOCK**

**GROUND FLOOR PLAN
TOTAL COVERED AREA = 8,029 sq.ft**

**NEW
PROPOSED
ROAD**

**NEW
PROPOSED
ROAD**

**NEW
PROPOSED
ROAD**

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**PROJECT: UPGRADATION AND IMPROVEMENT OF
PEOPLE NURSING SCHOOL, LIAQUAT
UNIVERSITY OF MEDICAL & HEALTH
SCIENCE JAMSHORO**

**TITLE:
LUMHS ACADEMIC BLOCK
MASTER PLAN**

CAD filename:

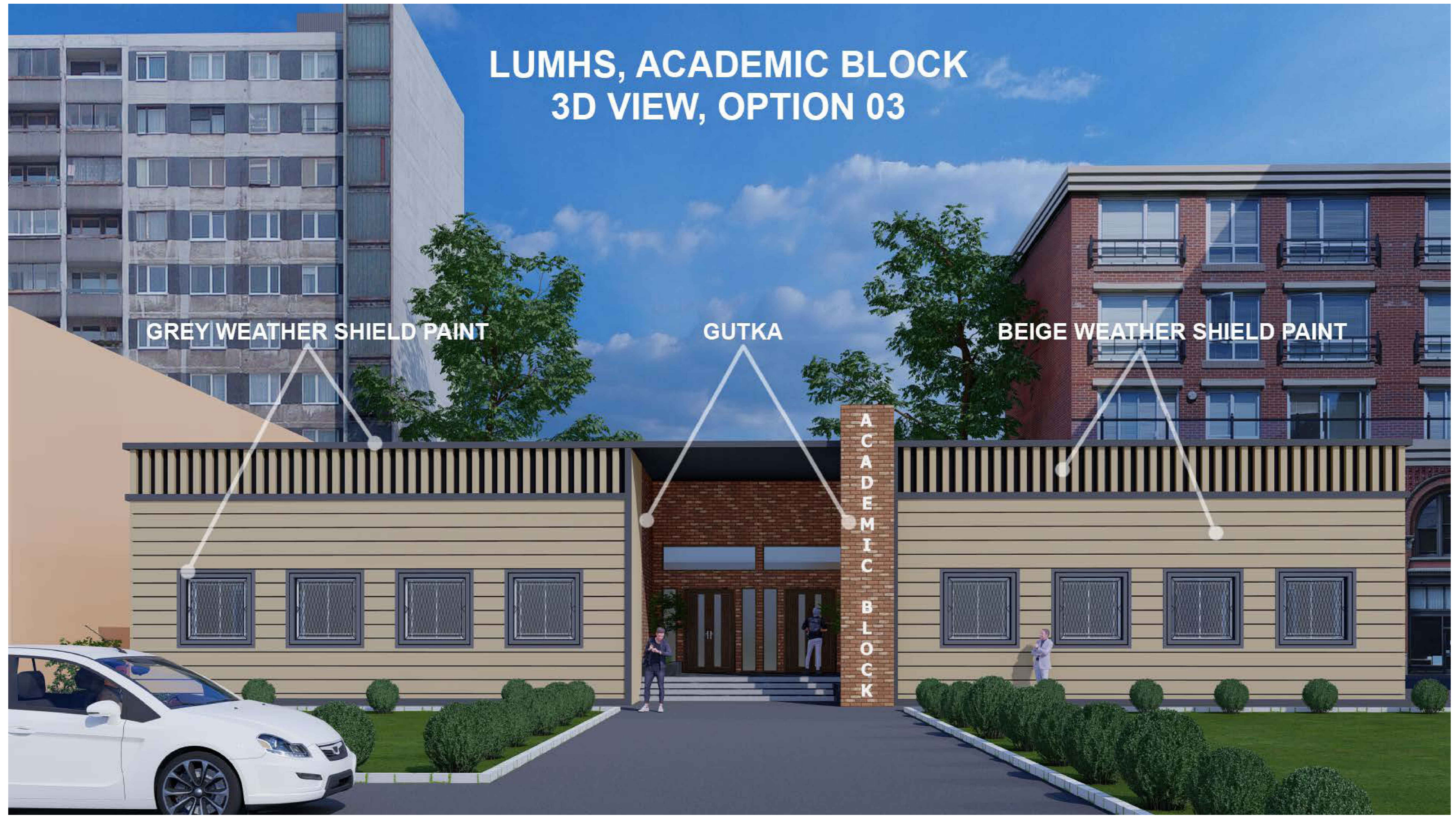
**CLIENT:
LIAQUAT UNIVERSITY OF MEDICAL &
HEALTH SCIENCE JAMSHORO**

DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S

DRG. NO. MP-01

3D VIEW

LUMHS, ACADEMIC BLOCK 3D VIEW, OPTION 03



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TITLE:	LUMHS ACADEMIC BLOCK 3D VIEW
CAD filename:	

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S
DRG. NO.	3D-01	



**LUMHS, ACADEMIC BLOCK
3D VIEW, OPTION 03**

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ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



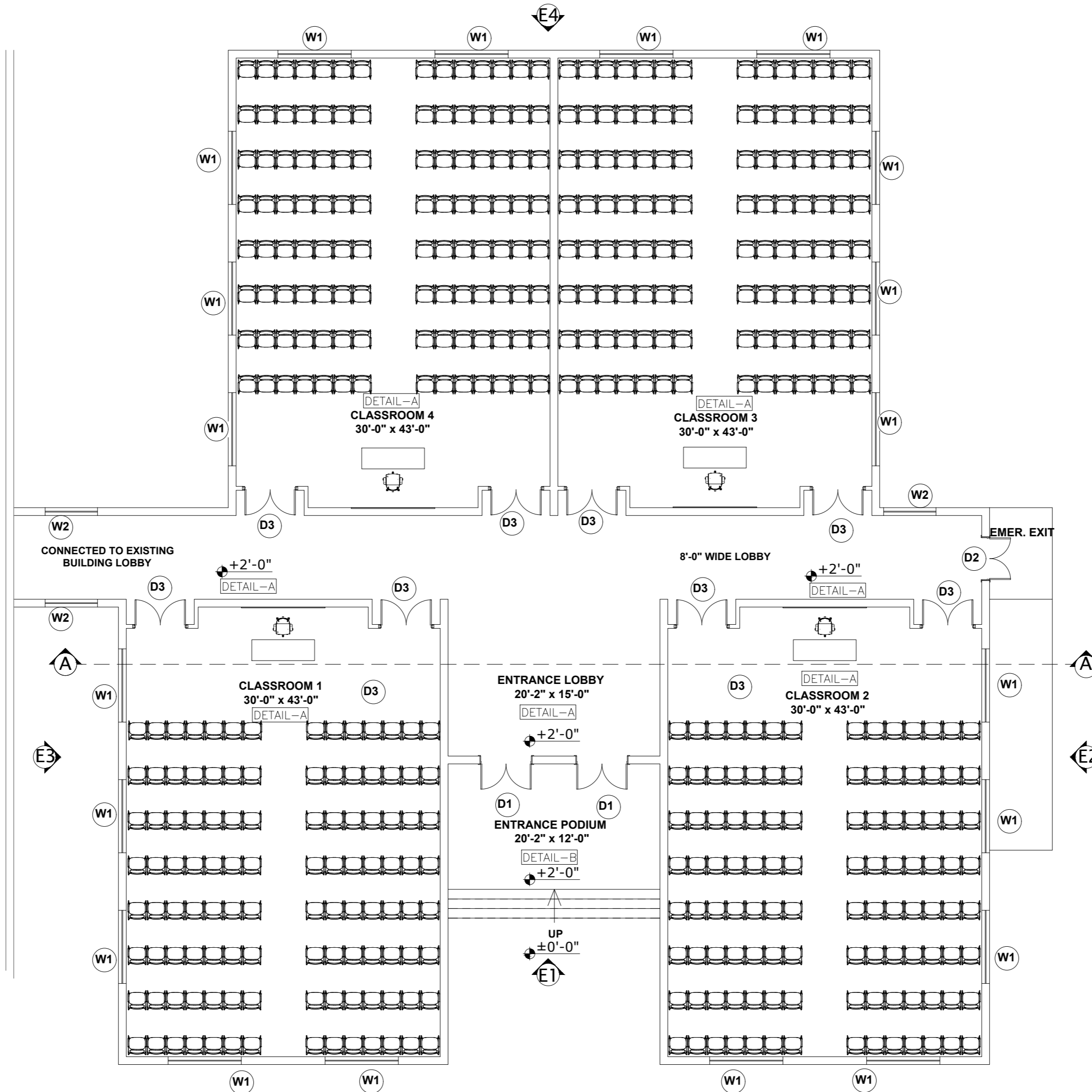
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TITLE:	LUMHS ACADEMIC BLOCK 3D VIEW
CAD filename:	

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S
DRG. NO.	3D-02	

ARCHITECTURE DRAWINGS



**COVERED AREA = 6,677 sq.ft
GROUND FLOOR PLAN**

ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

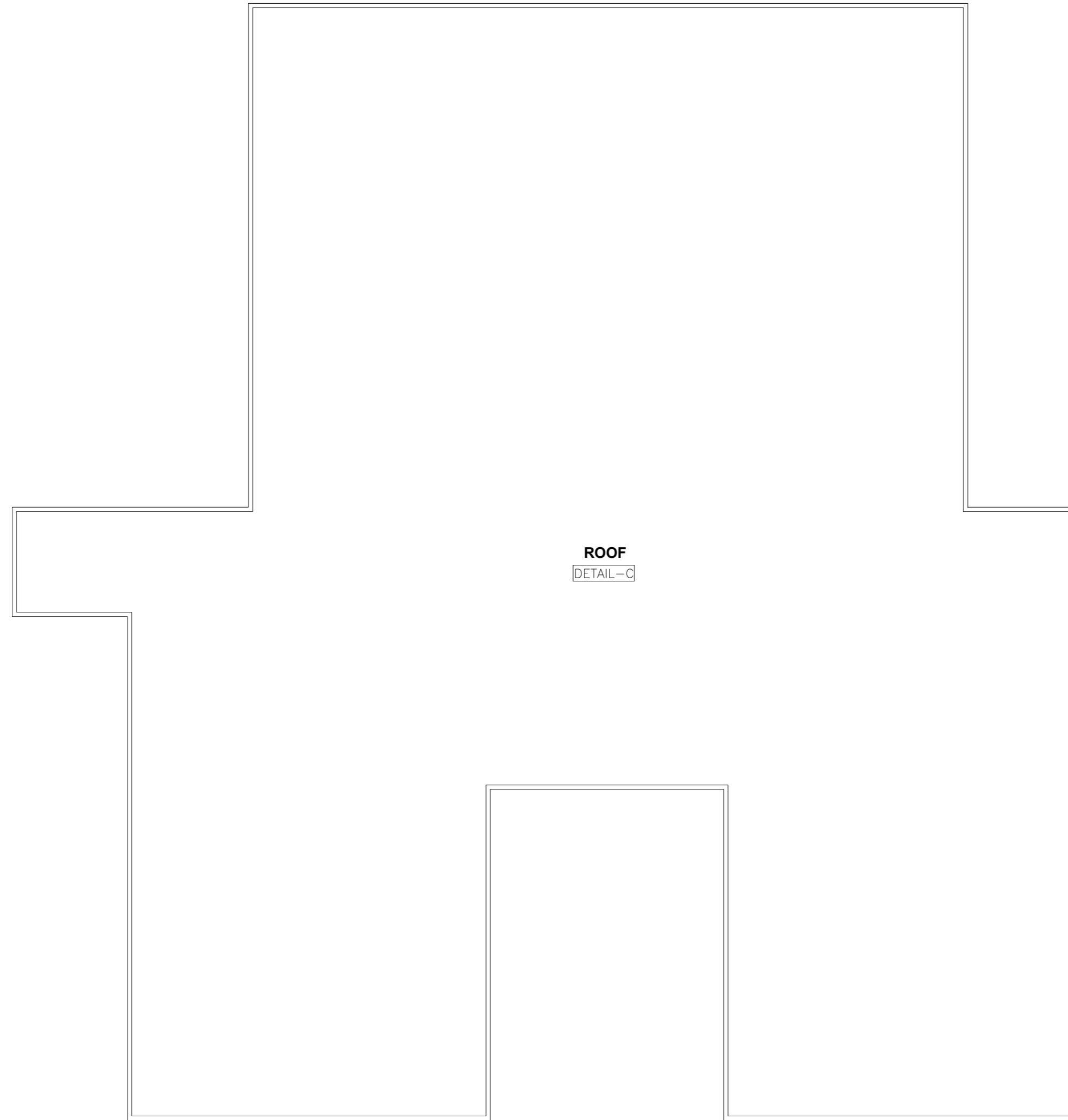


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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK GROUND FLOOR PLAN
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S
DRAWN BY:	SAIF	JOB NO.:	
DRG. NO.	AR-01	DATE :	APRIL-2024
		SCALE:	N.T.S



ROOF
DETAIL-C

ROOF PLAN

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

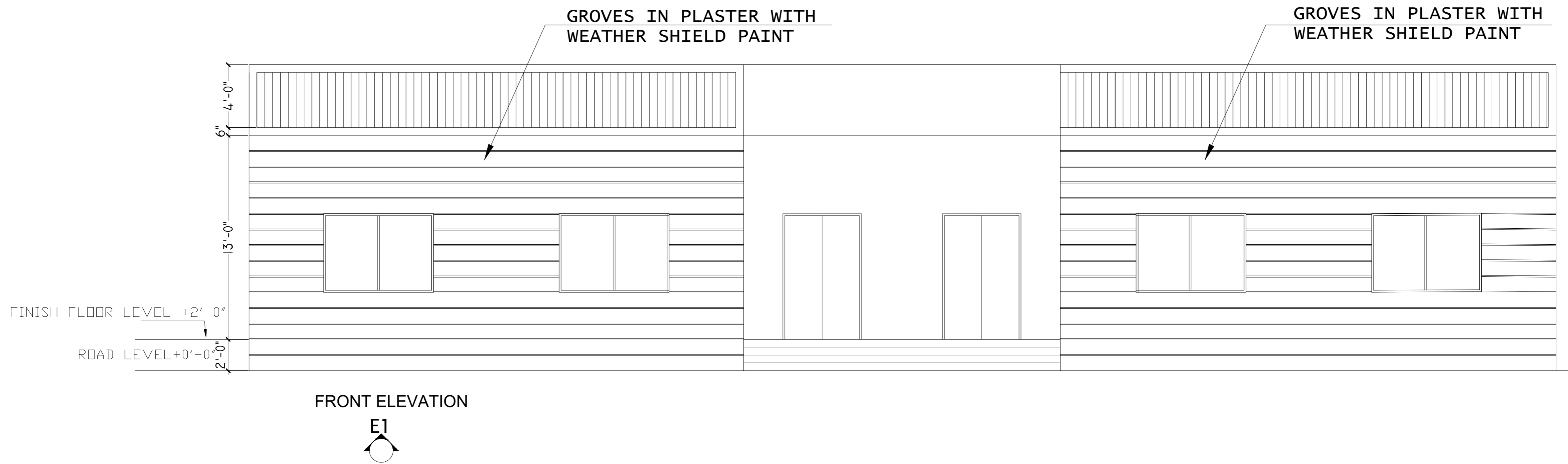


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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK ROOF PLAN
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S
DRAWN BY:	SAIF	JOB NO.	
DRG. NO.		SCALE:	N.T.S
			AR-02



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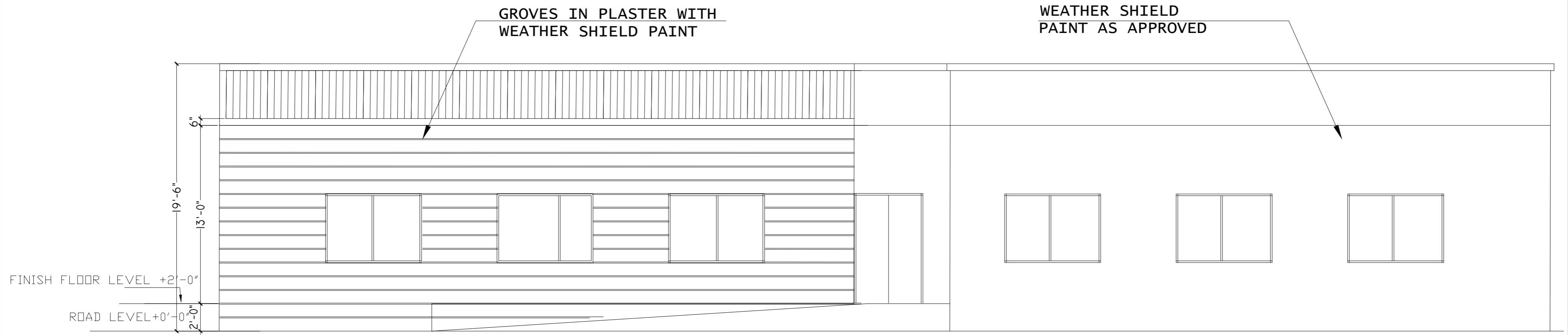
TITLE: **LUMHS ACADEMIC BLOCK
 FRONT ELEVATION E1**

CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL &
 HEALTH SCIENCE JAMSHORO**

DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S

DRG. NO. AR-03



ELEVATION

ADDITION & REVISION					
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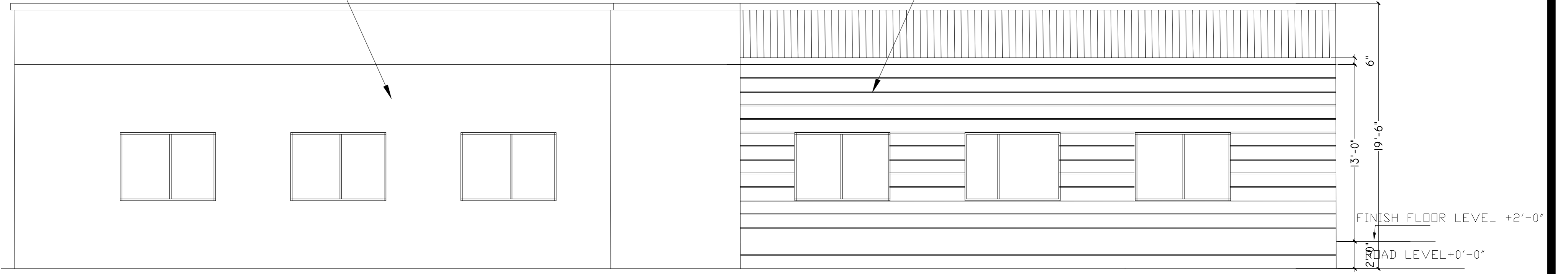


PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK RIGHT SIDE ELEVATION E2**
 CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: AR.SALMAN APPROVED BY: A.S DATE: APRIL-2024
 DRAWN BY: SAIF JOB NO. SCALE: N.T.S
 DRG. NO. AR-04

WEATHER SHIELD
PAINT AS APPROVED

GROVES IN PLASTER WITH
WEATHER SHIELD PAINT



ELEVATION



ADDITION & REVISION				
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TITLE: **LUMHS ACADEMIC BLOCK
LEFT SIDE ELEVATION E3**

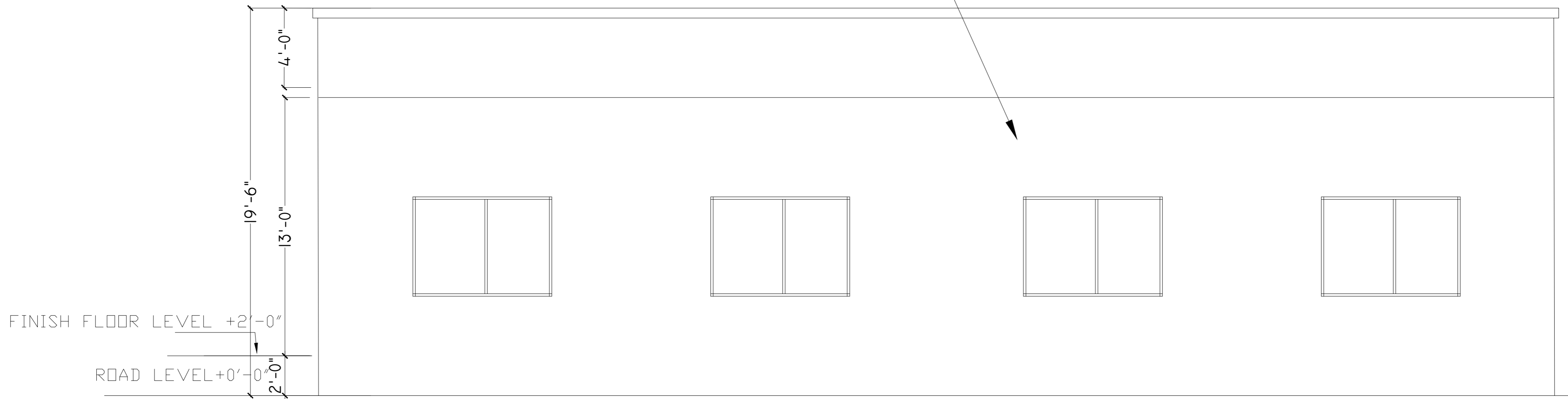
CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL &
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DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S

DRG. NO. AR-05

WEATHER SHIELD
PAINT AS APPROVED



ELEVATION



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PROJECT: **UPGRADATION AND IMPROVEMENT OF
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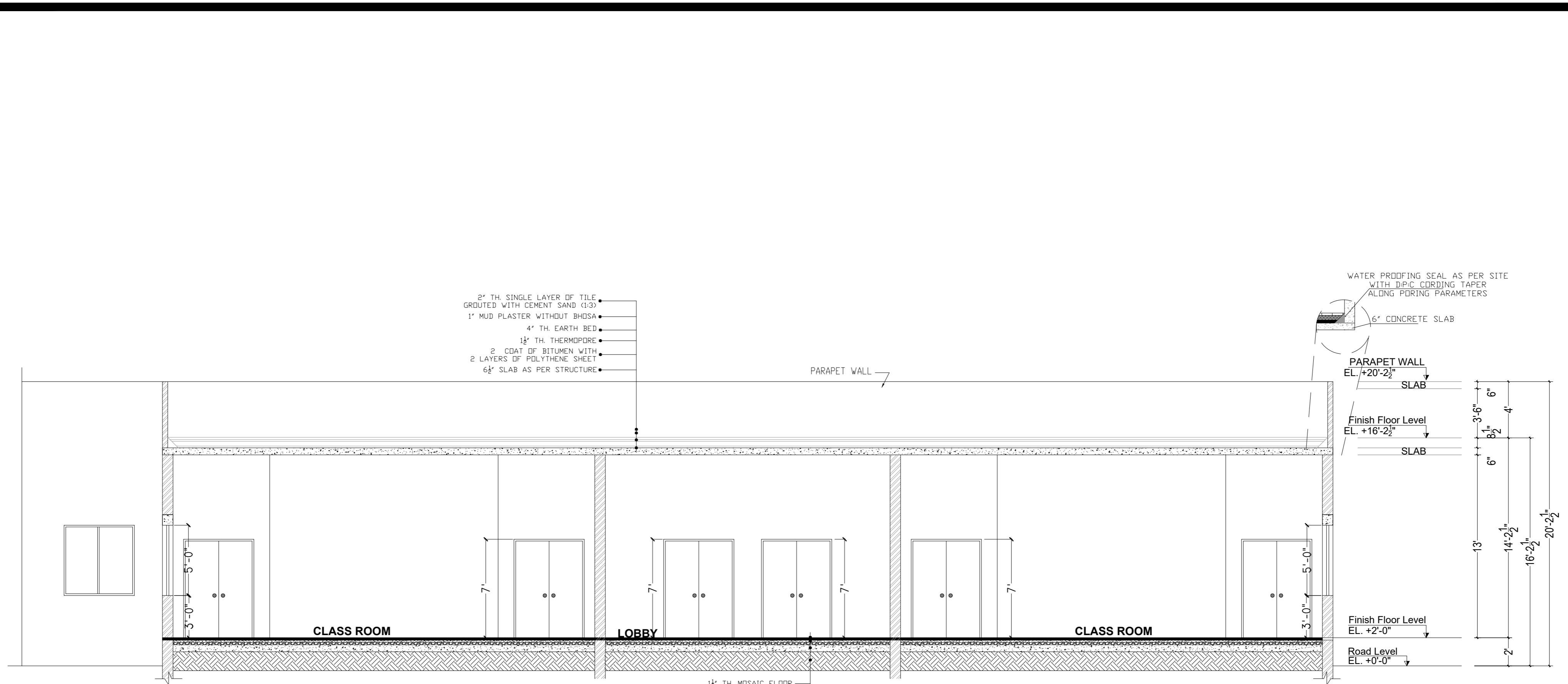
TITLE: **LUMHS ACADEMIC BLOCK
REAR ELEVATION E4**

CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL &
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DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S

DRG. NO. AR-06



SECTION AT A-A A
Scale:

1½" TH. MOSAIC FLOOR
3" PCC 1:2:4 UNDER FLOOR
4" TH. SAND PROPERLY COMPACTED
4" TH. BRICK BLAST
WELL COMPACTED EARTH

ADDITION & REVISION					
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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK SECTION AT A-A
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S
DRAWN BY:	SAIF	JOB NO.	
DRG. NO.		DATE :	APRIL-2024
		SCALE:	N.T.S

SCHEDULE OF OPENINGS

DOOR SCHEDULE

S.NO.	OPENINGS	DIMENSIONS	SILL LEVEL	DESCRIPTION
1	D1	5'-0"x8'-0"	0'-0"	SOLID DOOR
2	D2	5'-0"X8'-0"	0'-0"	FIRE RATED EMGERGENCY EXIT DOOR
3	D3	5'-0"X7'-0"	0'-0"	SOLID FLUSH DOOR

WINDOW SCHEDULE

12	W1	7'-0"X5'-0"	+3'-0"	ALUMINUM WINDOW
13	W2	5'-0"X5'-0"	+3'-0"	ALUMINUM WINDOW

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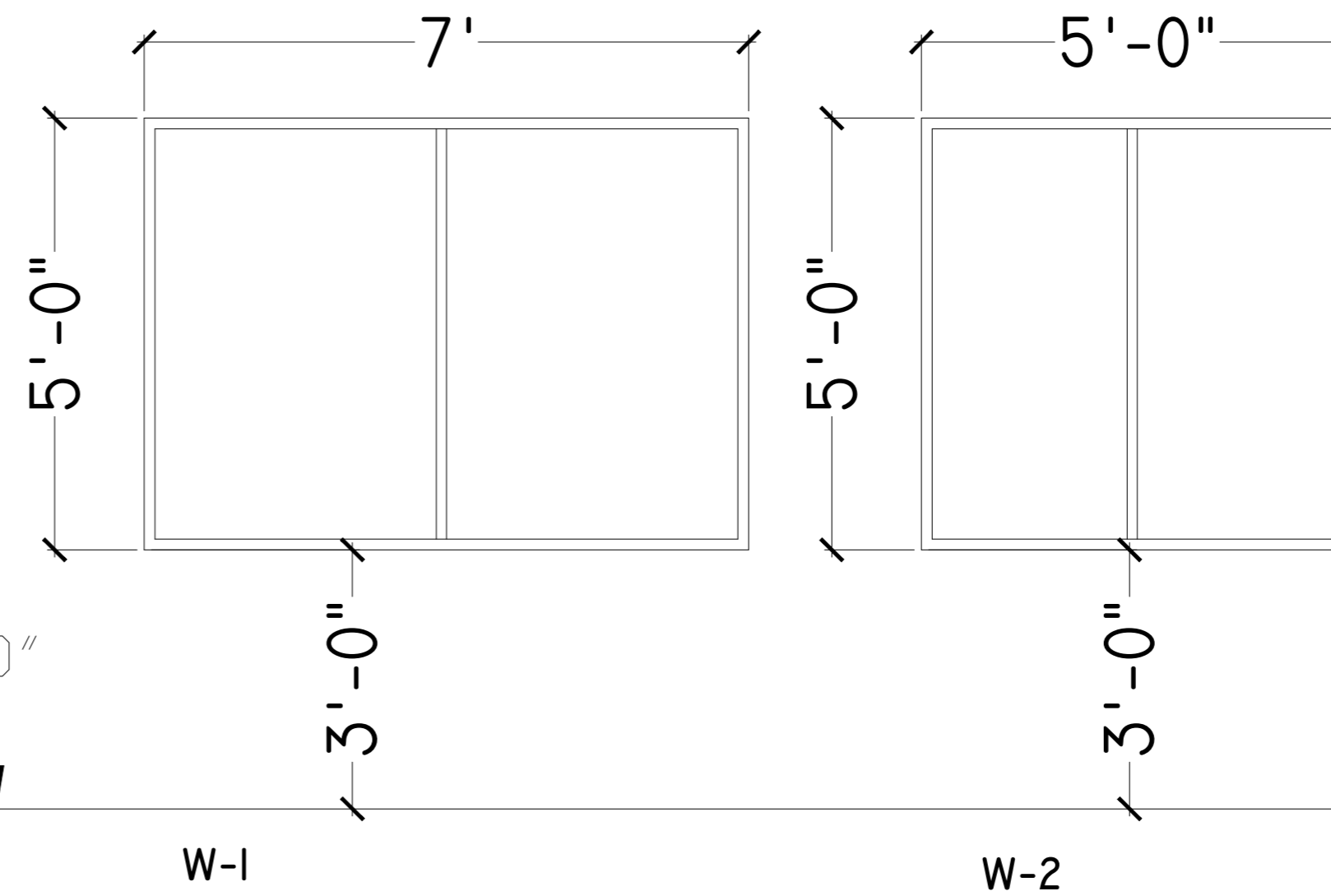
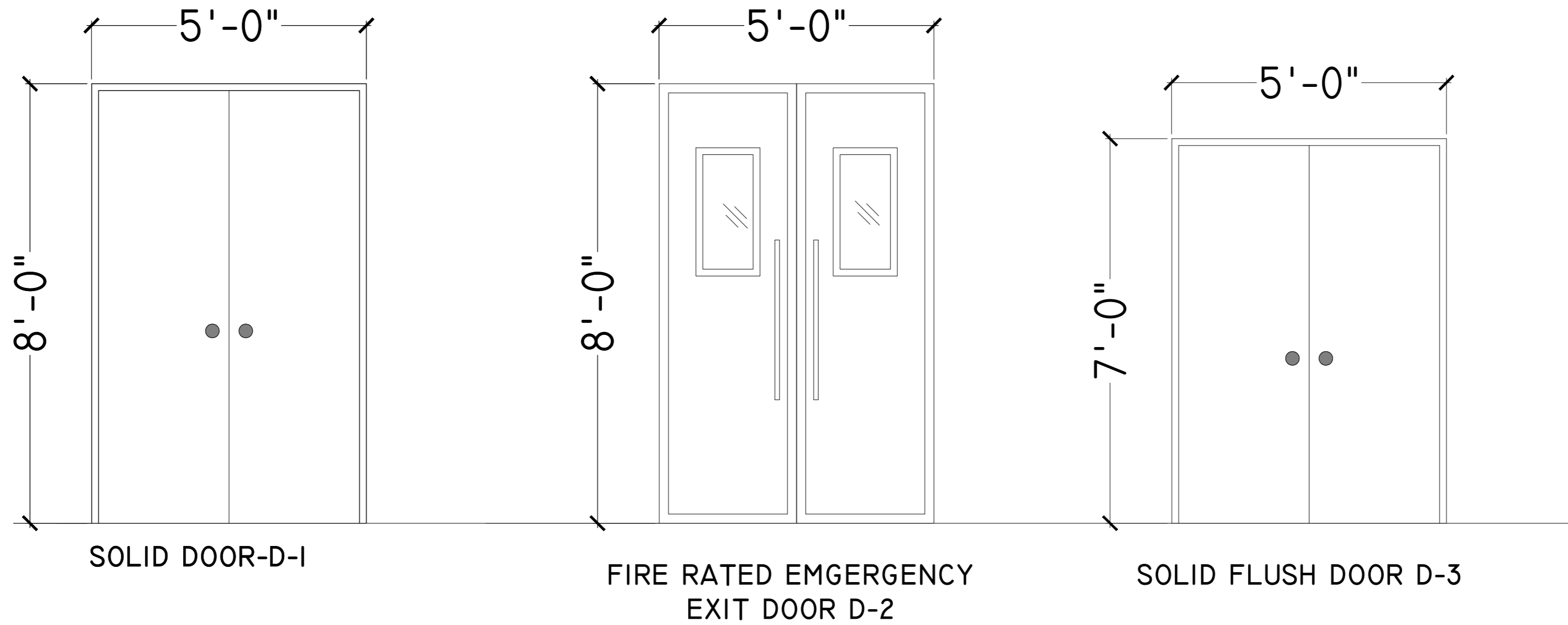
TITLE:
LUMHS ACADEMIC BLOCK
SCHEDULE OF OPENINGS

CAD filename:

CLIENT:
LIAQUAT UNIVERSITY OF MEDICAL &
HEALTH SCIENCE JAMSHORO

DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S

DRG. NO. AR-08



FINISH FLOOR LEVEL +2'-0"

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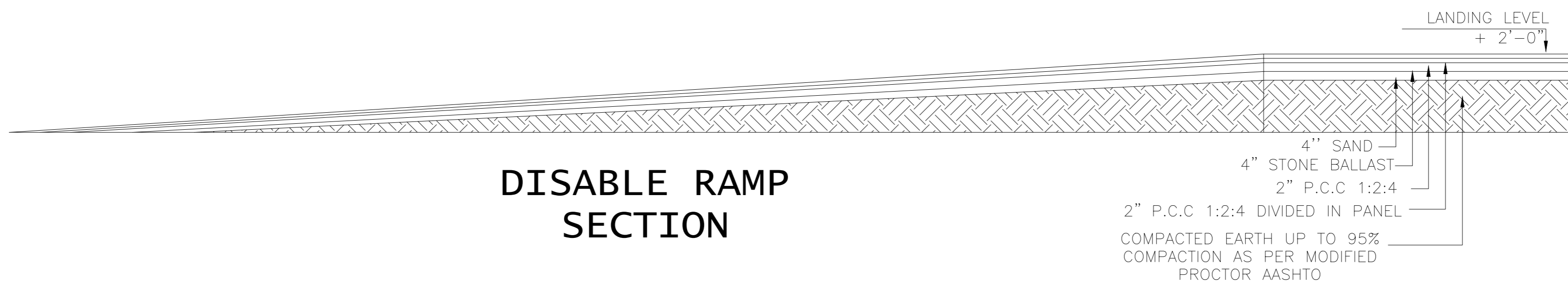
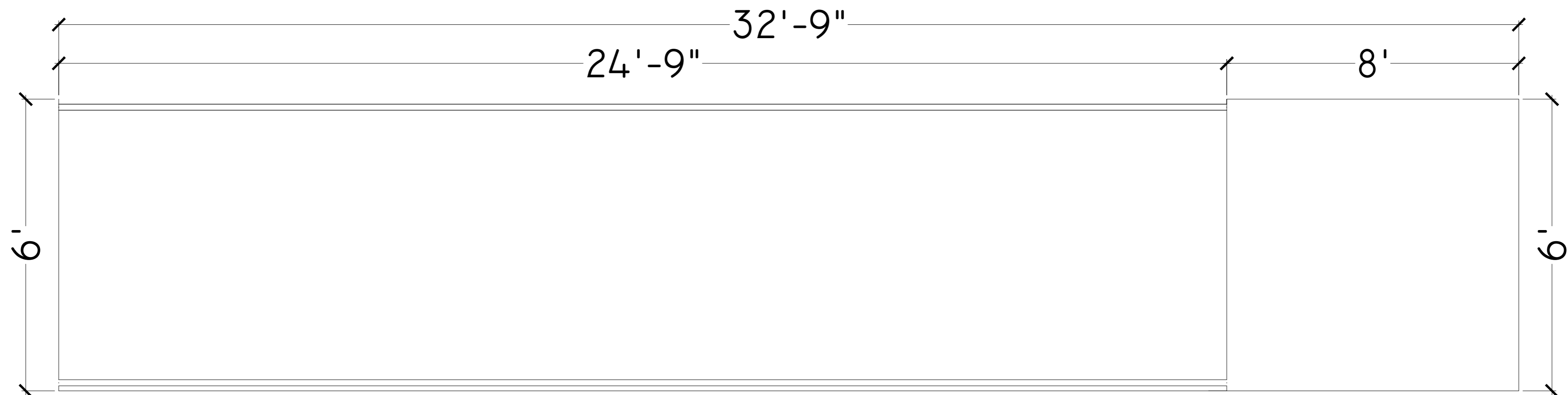
PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE: **LUMHS ACADEMIC BLOCK DOOR & WINDOW SCHEDULE**

CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
DRAWN BY: SAIF	JOB NO.	SCALE: N.T.S
DRG. NO.	AR-09	



DISABLE RAMP SECTION

ADDITION & REVISION				
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TITLE: **LUMHS ACADEMIC BLOCK
RAMP DETAIL**

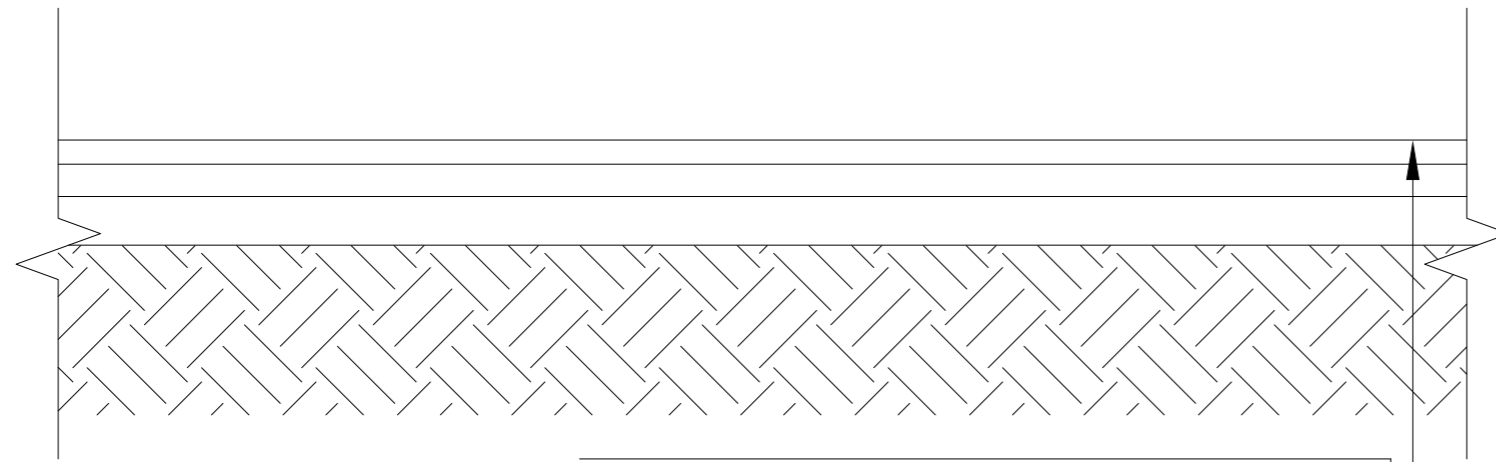
CAD filename:

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DESIGNED BY: AR.SALMAN	APPROVED BY: A.S	DATE : APRIL-2024
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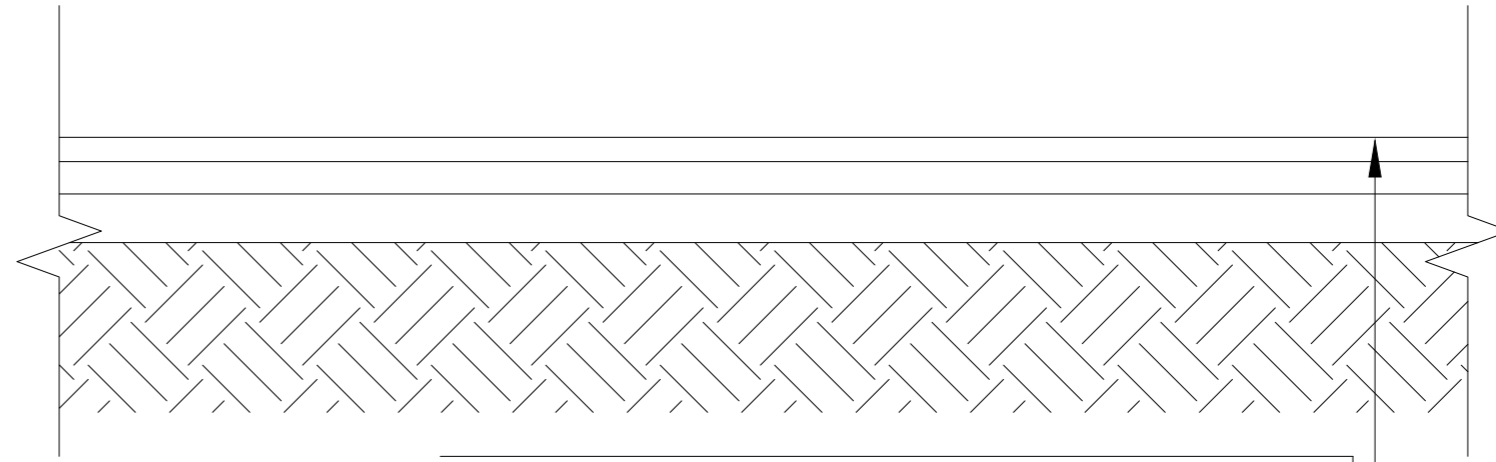
DRG. NO. AR-10

**DETAIL - A
FLOOR+ROOMS**



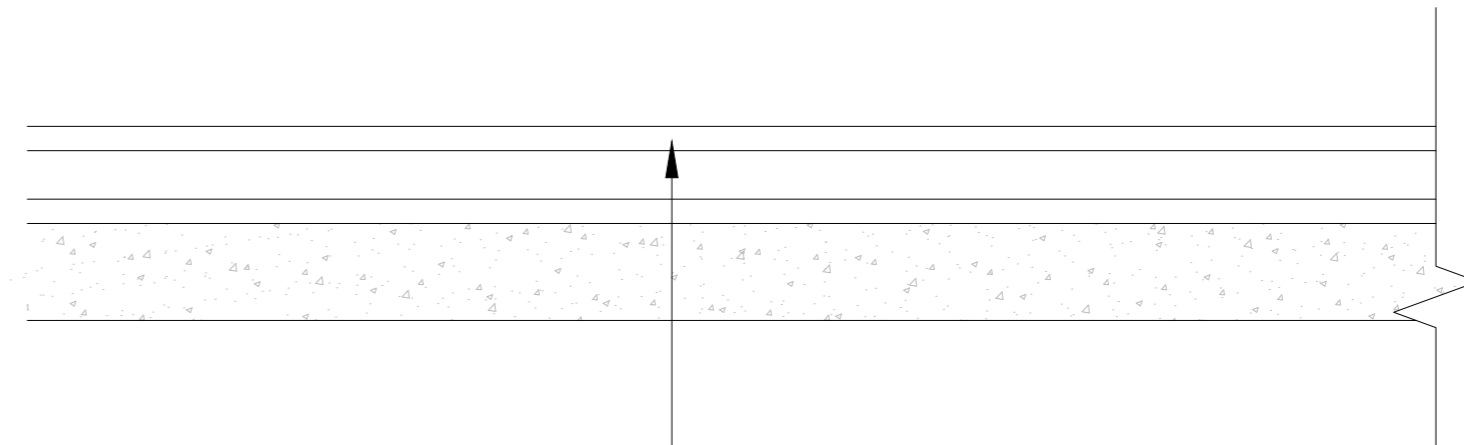
MOSAIC FLOOR
2" P.C.C 1:2:4
4" THICK HARDCORE
4" THICK SAND FILLING
COMPACTED EARTH UP TO 95%
COMPACTION AS PER
MODIFIED PROCTOR AASHTO

**DETAIL - B
PODIUM**



3/4" THICK BOTICENA MARBLE
2" P.C.C 1:2:4
6" BRICK BALLAST MIXTURE WITH 25% SAND
COMPACTED EARTH UP TO 95%
COMPACTION AS PER
MODIFIED PROCTOR AASHTO

**DETAIL - C
ROOF**



9"x4½"x1½" THICK TILE FLOORING
4" EARTH FILLING PUDLED
1½" THERMOPORE SHEET
TOW LAYER OF POLYTHENE SHEET 500 SWG
BITUMEN LAYER
R.C.C SLAB

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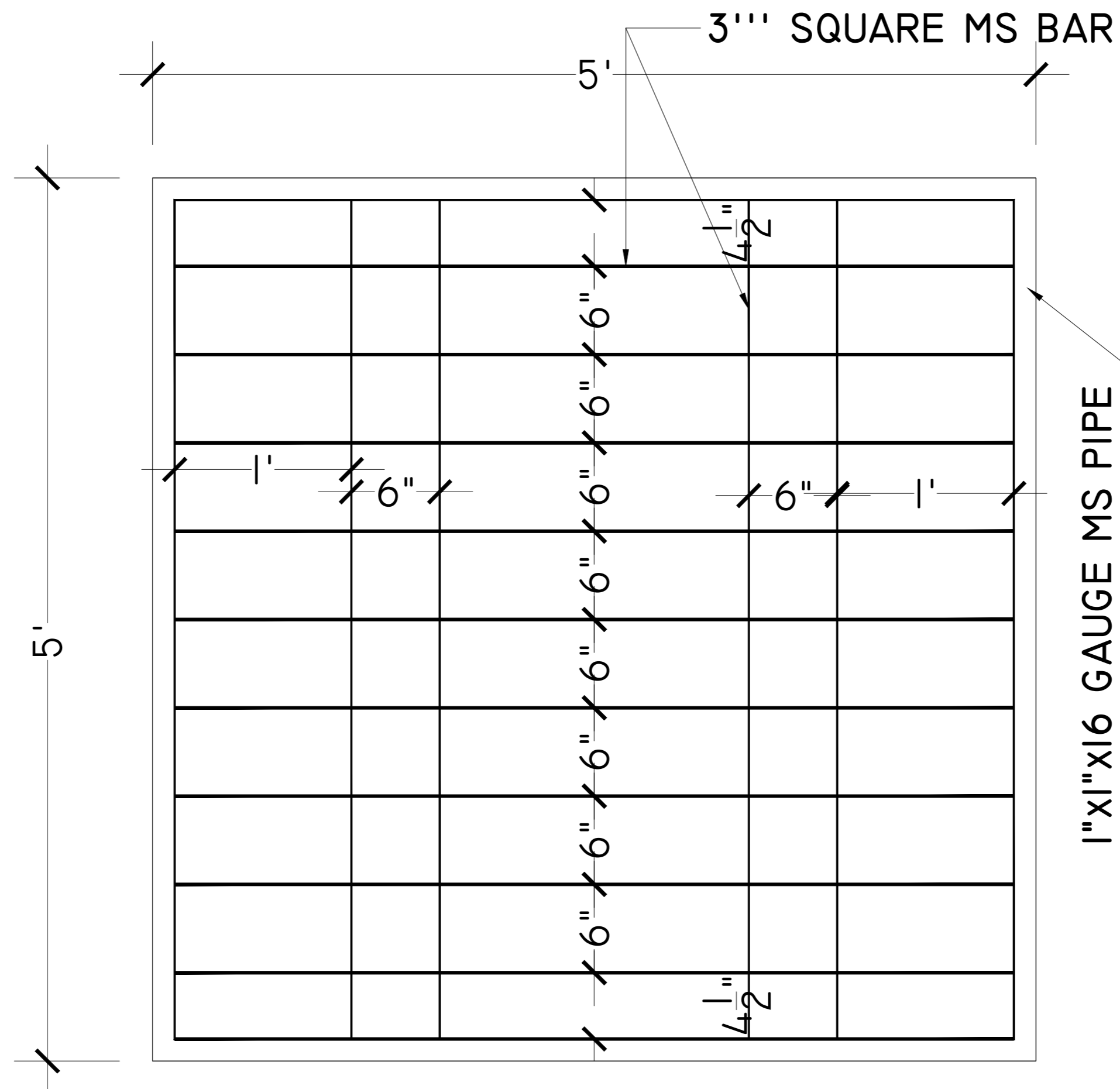


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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK FINISH FLOOR DETAILS
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S
DRAWN BY:	SAIF	JOB NO.	
DRG. NO.		SCALE:	N.T.S
			AR-11

DATE : APRIL-2024
SCALE: N.T.S



TYP. SAFETY GRILL DETAIL

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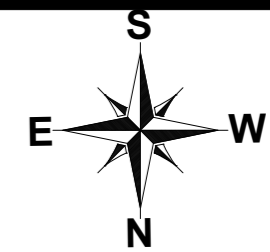
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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO	
TITLE:	LUMHS ACADEMIC BLOCK TYPICAL SAFETY GRILL DETAILS	
CAD filename:		

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO				
DESIGNED BY:	AR.SALMAN	APPROVED BY:	A.S	DATE :	APRIL-2024
DRAWN BY:	SAIF	JOB NO.		SCALE:	N.T.S
DRG. NO.	AR-11				

STRUCTURE



LIST OF DRAWINGS

S.NO.	DRAWING TITLE	DRG. NO
STRUCTURE DRAWINGS		
1	LIST OF DRAWINGS	ST-01
2	GENERAL NOTES	ST-02
3	TYPICAL DETAILS	ST-03
4	TYPICAL DETAILS	ST-04
5	TYPICAL DETAILS	ST-05
6	FOUNDATION LAYOUT PLAN	ST-06
7	FOUNDATION SCHEDULE	ST-07
8	FOUNDATION SECTION DETAIL	ST-08
9	STRIP FOOTING SECTION DETAIL	ST-09
10	BRICK FOOTING FOUNDATION LAYOUT	ST-10
11	BRICK FOOTING SECTION	ST-11
12	GROUND FLOOR COLUMN LAYOUT PLAN	ST-12
13	COLUMN SECTION	ST-13
14	PLINTH BEAM LAYOUT PLAN	ST-14
15	PLINTH BEAM SECTION	ST-15
16	GROUND FLOOR BEAM LAYOUT PLAN	ST-16
17	GROUND FLOOR BEAM SECTION	ST-17
18	ROOF FLOOR BEAM LAYOUT PLAN	ST-18
18A	ROOF FLOOR BEAM SECTION	ST-18A
19	GROUND FLOOR SLAB LAYOUT POSITIVE REINF. PLAN	ST-19
20	GROUND FLOOR SLAB LAYOUT NEGATIVE REINF. PLAN	ST-20
21	ROOF FLOOR SLAB LAYOUT POSITIVE REINF. PLAN	ST-21
22	ROOF FLOOR SLAB LAYOUT NEGATIVE REINF. PLAN	ST-22

NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



NEW VISION ENGINEERING CONSULTANT
 Head Office: Office No.B-6 SECOND FLOOR Masood Arcade
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 Email: newvisionec@yahoo.com
 Regional Office: 287-A Street # 6, Cavalry Ground ,Lahore
 Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK LIST OF DRAWING**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-01	

GENERAL TECHNICAL NOTES

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

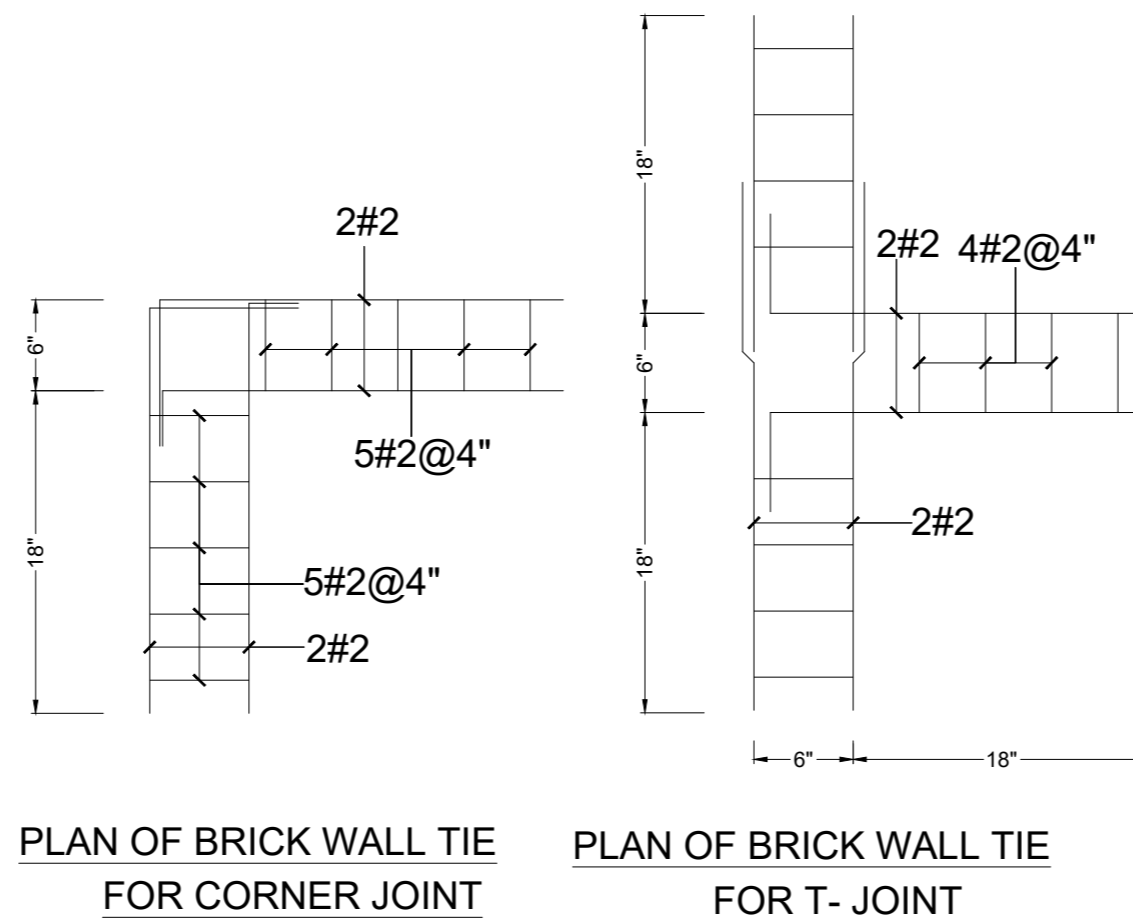
QUALITY OF CONCRETE

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

- COLUMNS.**
Minimum concrete compressive strength for 6"x12" cylinder to be 4000 psi at 28 days age. Concrete Nominal Mix to be 1:1 1/2:3 or more rich to provide specified strength
Admixture must be provided to ensure the specified structural strength as mentioned earlier.
- BEAMS, RIBS & SLABS.**
Minimum concrete compressive strength for 6"x12" cylinder to be 3000 psi at 28 days age. Concrete Nominal Mix to be 1:2:4 or more rich to provide specified strength (Equivalent 6"x6"x6" cube strength 3750 psi)
Admixture must be provided to ensure the specified structural strength as mentioned earlier.
- Use of plasticizers recommended to reduce the water cement ratio and increase workability of concrete.
- All concrete mixes to be used, should be got designed & approved before execution of work.
- Quality, size and gradation of aggregates (fine & coarse) as used during the mix design, should be strictly adhered with.
- The Design is in accordance with Seismic Zone 2A.

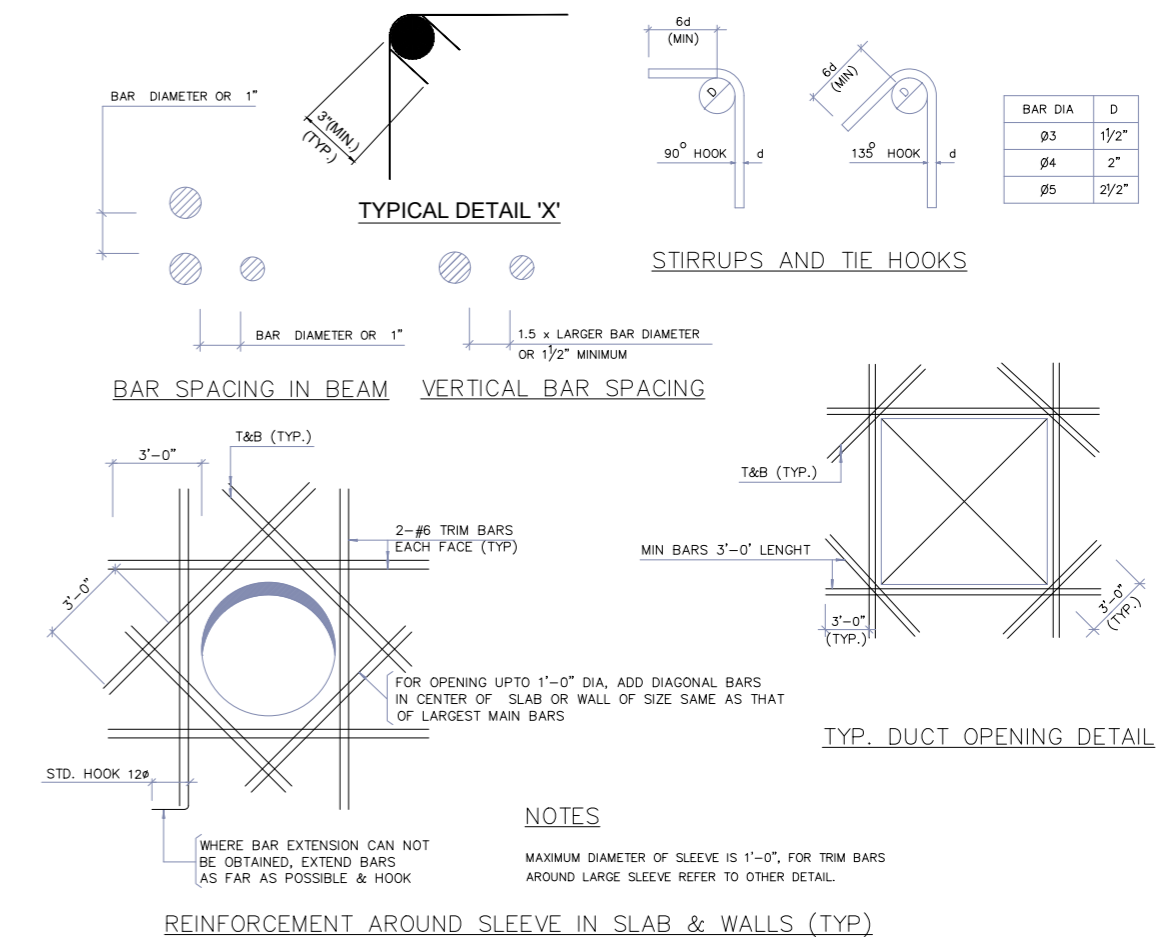
NOTES

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



REINFORCING STEEL

REINFORCING STEEL f = 60,000 psi			
BAR NO.	BAR DIA (IN.)	DEVELOPMENT LENGTH (INCH) IN TENSION	
		f _c = 3000 psi	f _c = 4000 psi
#3	0.375	17"	15"
#4	0.500	22"	19"
#5	0.625	28"	24"
#6	0.750	33"	29"
#7	0.875	48"	42"
#8	1.000	55"	48"
#3	0.375	9"	8"
#4	0.500	11"	10"
#5	0.625	14"	12"
#6	0.750	17"	15"
#7	0.875	20"	17"
#8	1.000	22"	19"
#3	0.375	32"	29"
#4	0.500	39"	35"
#5	0.625	37"	32"
#6	0.750	43"	38"
#7	0.875	63"	55"
#8	1.000	72"	63"



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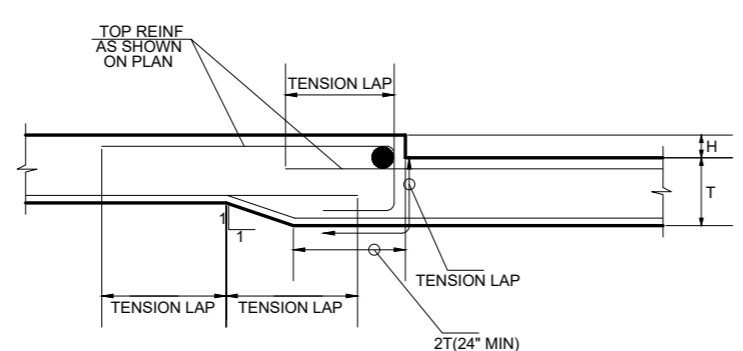
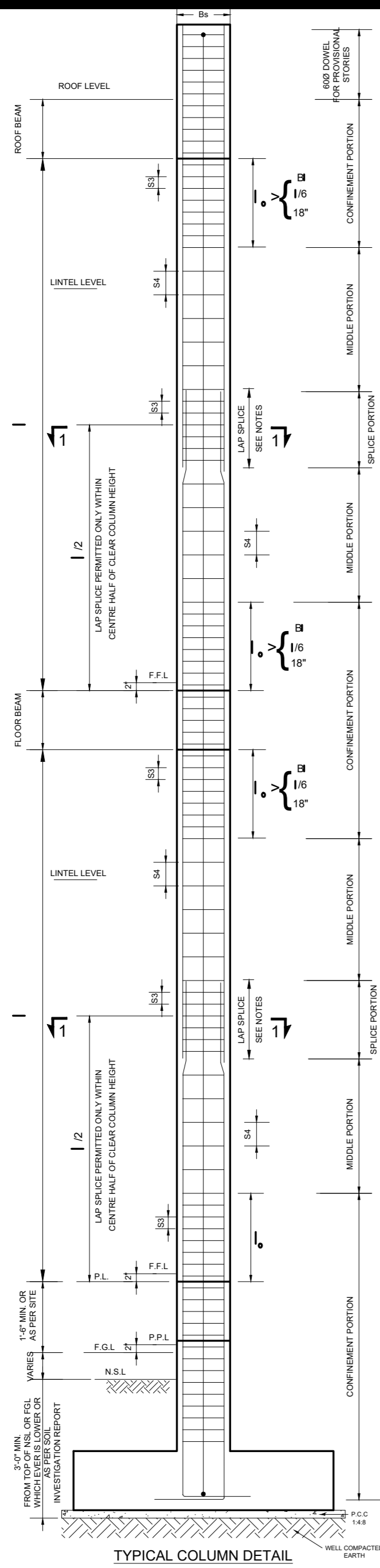
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ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



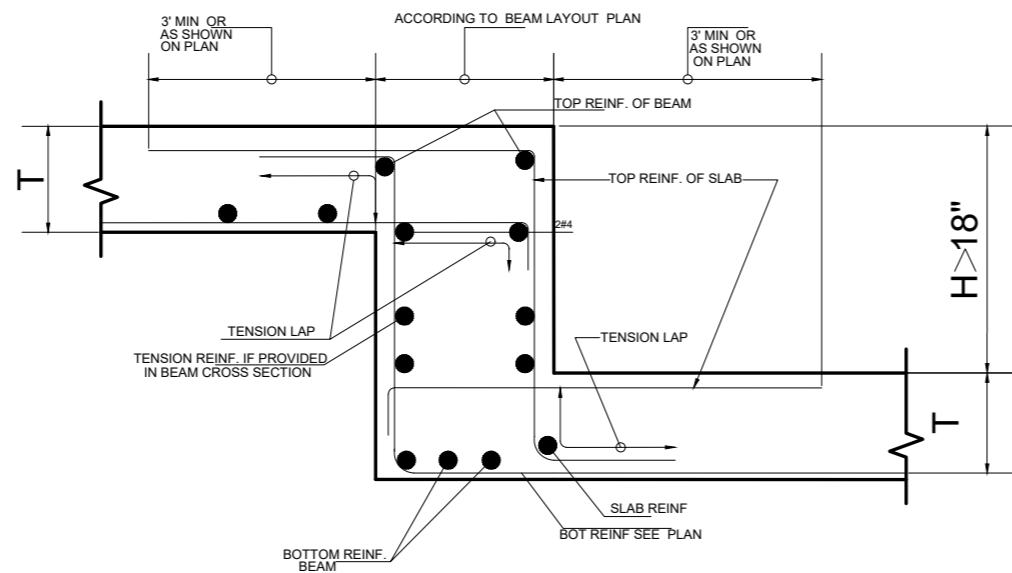
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PROJECT: UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE: LUMHS ACADEMIC BLOCK GENERAL NOTES

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
DESIGNED BY: ENGALI HAIDER
APPROVED BY: **DATE:** APRIL, 2024
DRAWN BY: MATHEW SIMON
JOB NO.: **SCALE:** N.T.S
DRG. NO.: **ST-02**



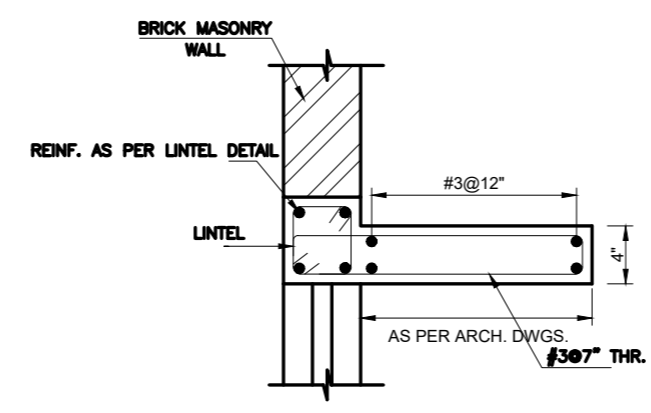
SLAB STEP $H \leq 4''$
REINFORCEMENT DETAIL OF BEAM CONNECTING WITH TWO SLABS AT DIFFERENT ELEVATIONS



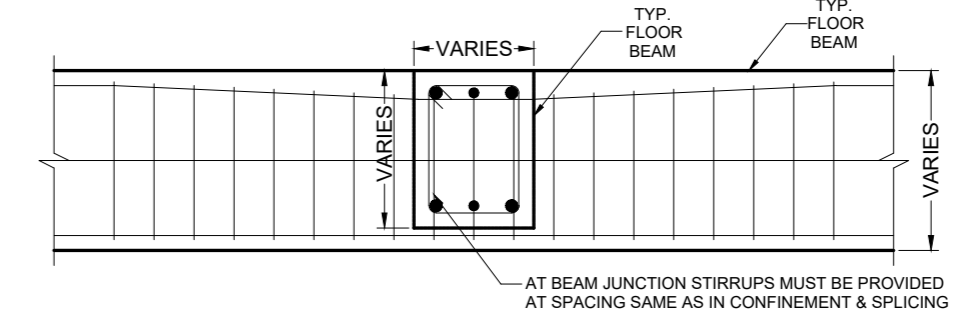
SLAB STEP $H > 18''$
REINFORCEMENT DETAIL OF BEAM CONNECTING WITH TWO SLABS AT DIFFERENT ELEVATIONS

LEGENDS

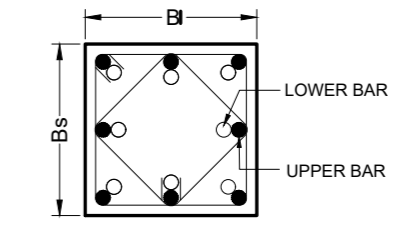
S1	STIRRUPS SPACING IN BEAM NEAR SUPPORTS & LAP SPLICES
S2	STIRRUPS SPACING IN BEAM IN MIDSPAN
S3	CROSSTIE SPACING IN COLUMNS IN CONFINEMENT & LAP SPLICE
S4	CROSSTIE SPACING IN COLUMNS IN MIDDLE PORTION.
h	DEPTH OF BEAM
db	DIAMETER OF BAR
Bs	LEAST LATERAL DIMENSION OF COLUMN
B	LARGEST LATERAL DIMENSION OF COLUMN
l	CLEAR HEIGHT OF COLUMN
l _o	LENGTH OF CONFINEMENT PORTION
l _d	DEVELOPMENT LENGTH FOR STEEL BAR
d	EFFECTIVE DEPTH OF BEAM



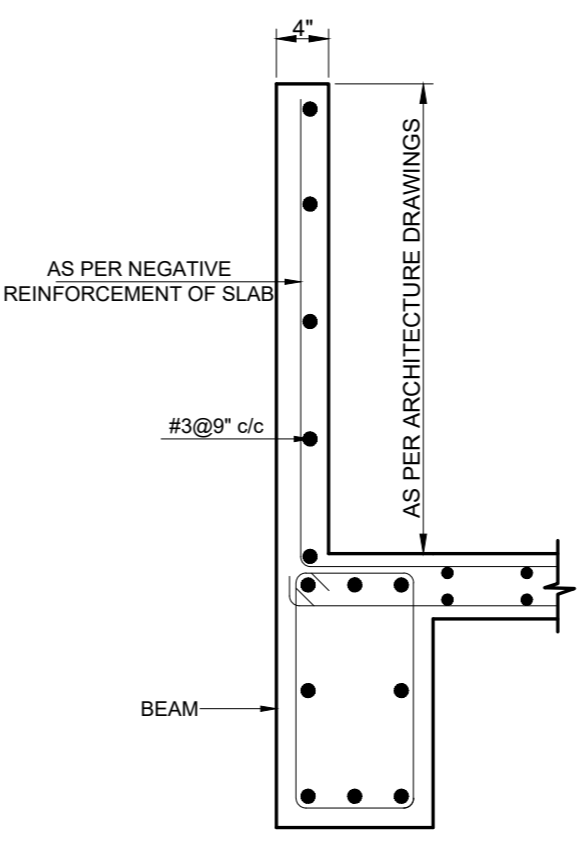
TYP. SECTION OF WINDOW SHADE
FOR LEVEL DETAILS REFER ARCHITECTURAL DRAWINGS



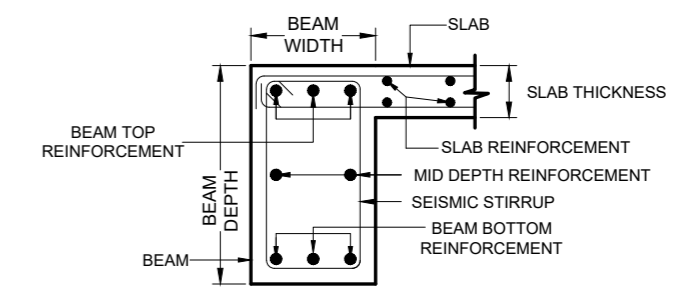
TYP. BEAM-BEAM JOINT DETAIL



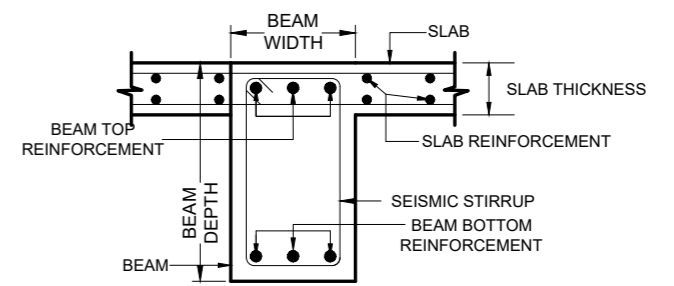
SECTION 1-1



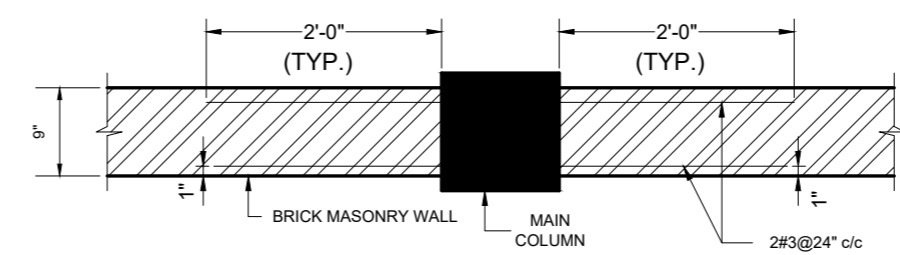
TYP. SECTION OF PARAPET WALL



TYP. SECTION OF EXTERNAL BEAM (L-SHAPED)



TYP. SECTION OF INTERNAL BEAM (T-SHAPED)



TYP. WALL & MAIN COLUMN JOINT DETAIL SECTION 2-2

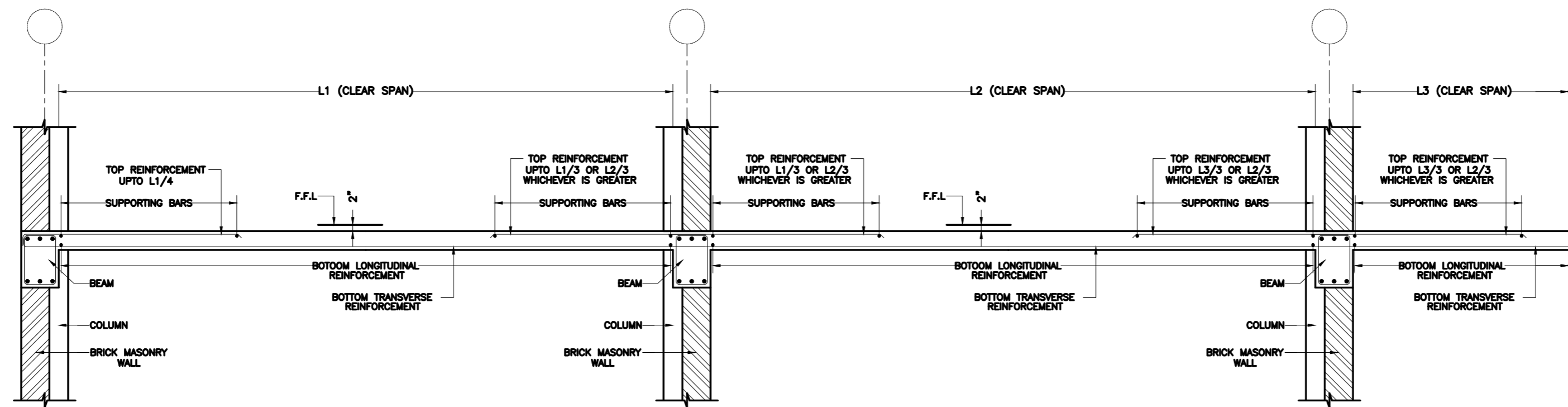
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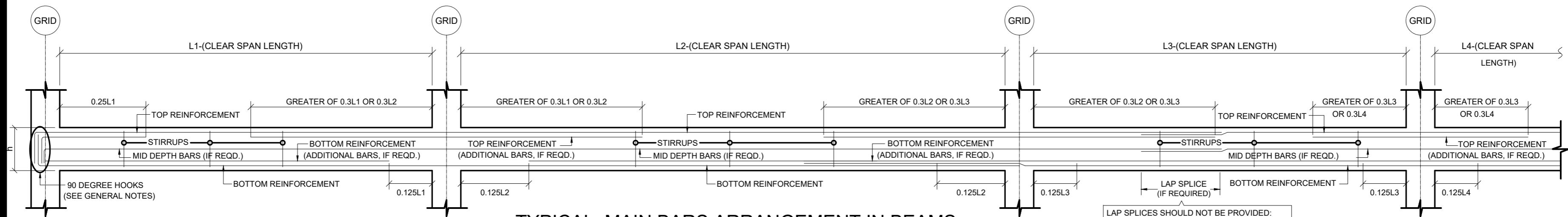
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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
TITLE: **TYPICAL DETAIL**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
DESIGNED BY: **ENG. ALI HAIDER** APPROVED BY: DATE: **FEB, 2024**
DRAWN BY: **MATHEW SIMON** JOB NO. SCALE: **N.T.S**
DRG. NO. **ST-03**

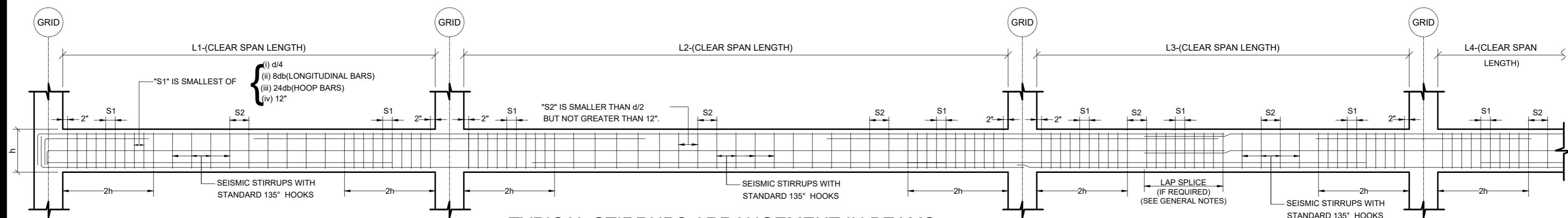


TYPICAL SECTION OF SLAB
REINFORCEMENT CURTAILMENT DETAIL



TYPICAL MAIN BARS ARRANGEMENT IN BEAMS

LAP SPLICES SHOULD NOT BE PROVIDED:
(1) WITHIN JOINTS.
(2) WITHIN A DISTANCE OF TWICE THE MEMBER DEPTH.
(3) AT CENTRE OF CLEAR SPAN OF BEAM.



TYPICAL STIRRUPS ARRANGEMENT IN BEAMS

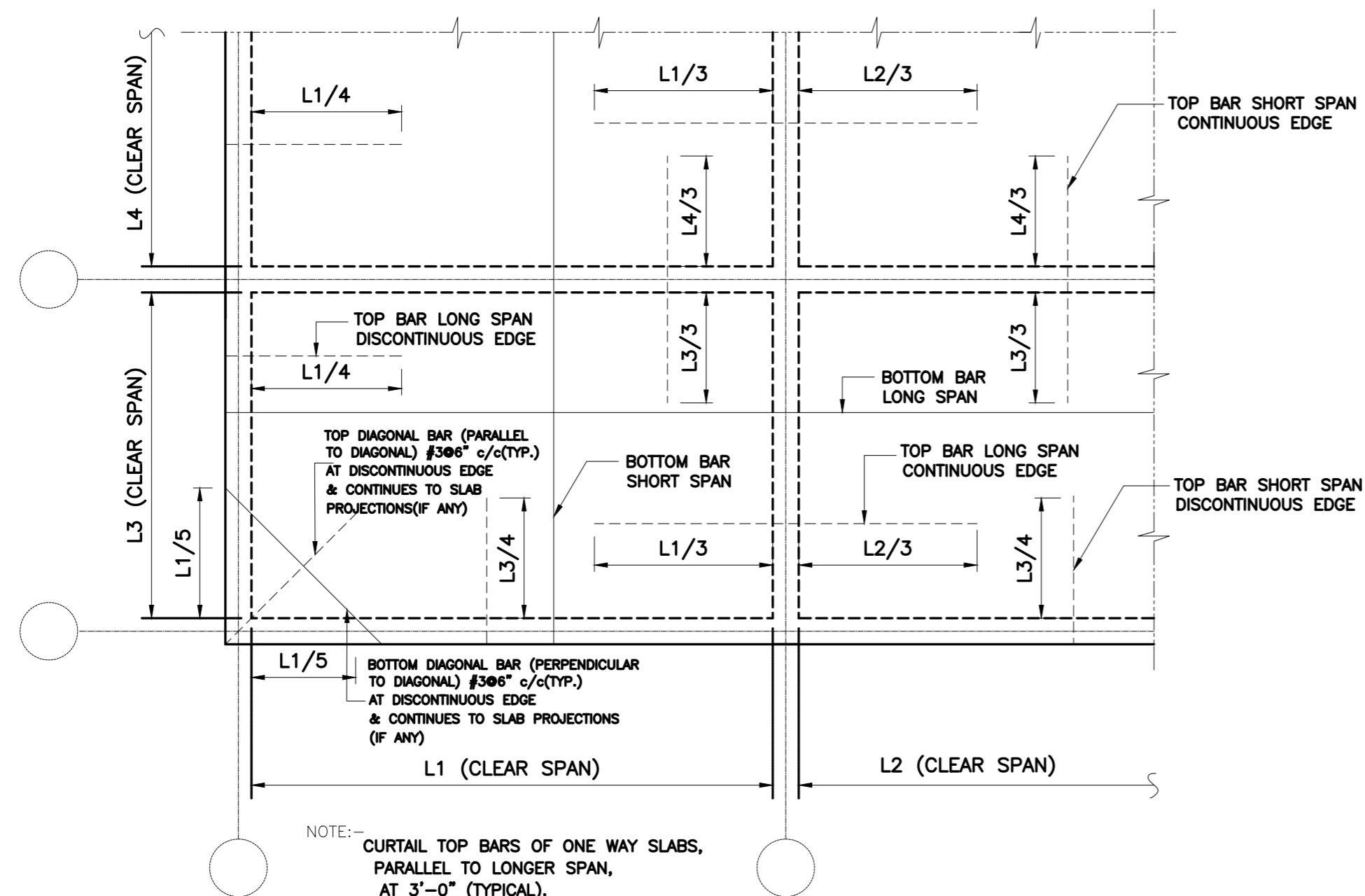
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 TITLE: **TYPICAL DETAIL**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: ENG. ALI HAIDER
 APPROVED BY:
 DATE: FEB, 2024
 DRAWN BY: MATHEW SIMON
 JOB NO.:
 SCALE: N.T.S
 DRG. NO.: ST-04



TYP. TWO WAY SLAB REINFORCEMENT CURTAILMENT DETAIL
SCALE: NTS

SCHEDULE OF LINTELS		
S/No	CLEAR SPAN	CONFIGURATION
1	UPTO 4'-0"	
2	UPTO 6'-6"	
3	UPTO 8'-0"	
5	UPTO 12'-0"	

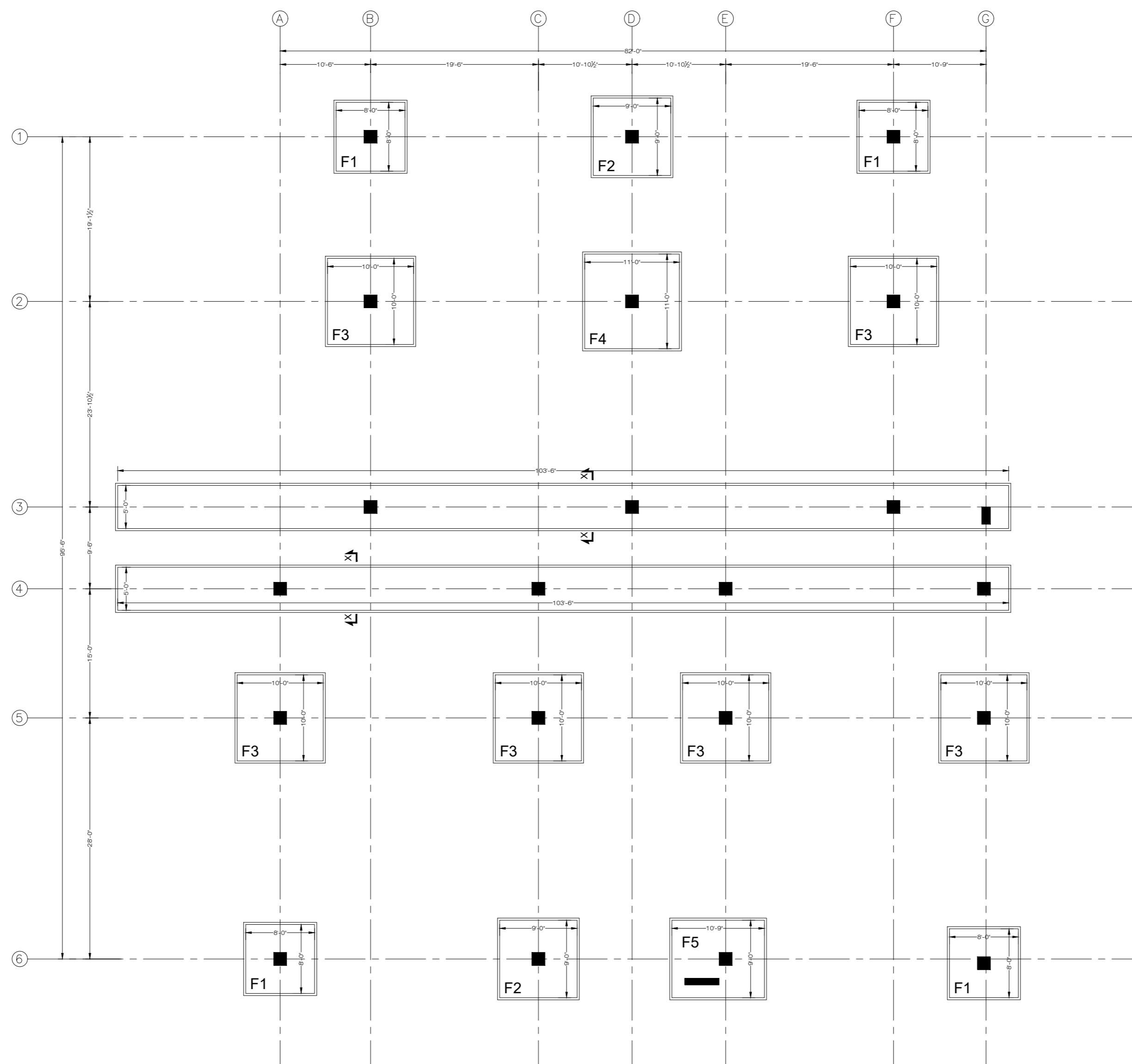
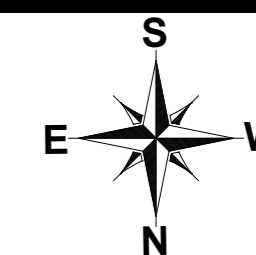
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PROJECT: UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
 TITLE: TYPICAL DETAIL

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
 DESIGNED BY: ENG. ALI HAIDER
 APPROVED BY: [Signature]
 DATE: FEB, 2024
 DRAWN BY: MATHEW SIMON
 JOB NO.: [Blank]
 SCALE: N.T.S.
 DRG. NO.: ST-05



FOUNDATON LAYOUT PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
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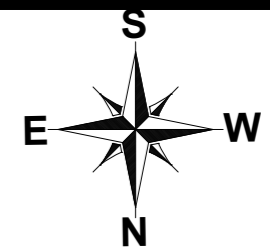
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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
TITLE: **LUMHS ACADEMIC BLOCK FOUNDATION LAYOUT PLAN**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-06	



SCHEDULE OF FOOTINGS

MARK	SIZE				REINFORCEMENT DETAIL				REMARKS
	L	W	H		BOTTOM BARS		TOP BARS		
					BS	BL	TS	TL	
F1	8'-0"	8'-0"	9"	15"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	ISOLATED FOOTING
F2	9'-0"	9'-0"	9"	15"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	ISOLATED FOOTING
F3	10'-0"	10'-0"	9"	15"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	ISOLATED FOOTING
F4	11'-0"	11'-0"	12"	18"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	ISOLATED FOOTING
F5	10'-6"	9'-0"	12"	18"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	ISOLATED FOOTING
SEC X-X	103'-6"	5'-0"	9"	15"	#4@6" c/c	#4@6" c/c	#3@6" c/c	#3@8" c/c	STRIP FOOTING

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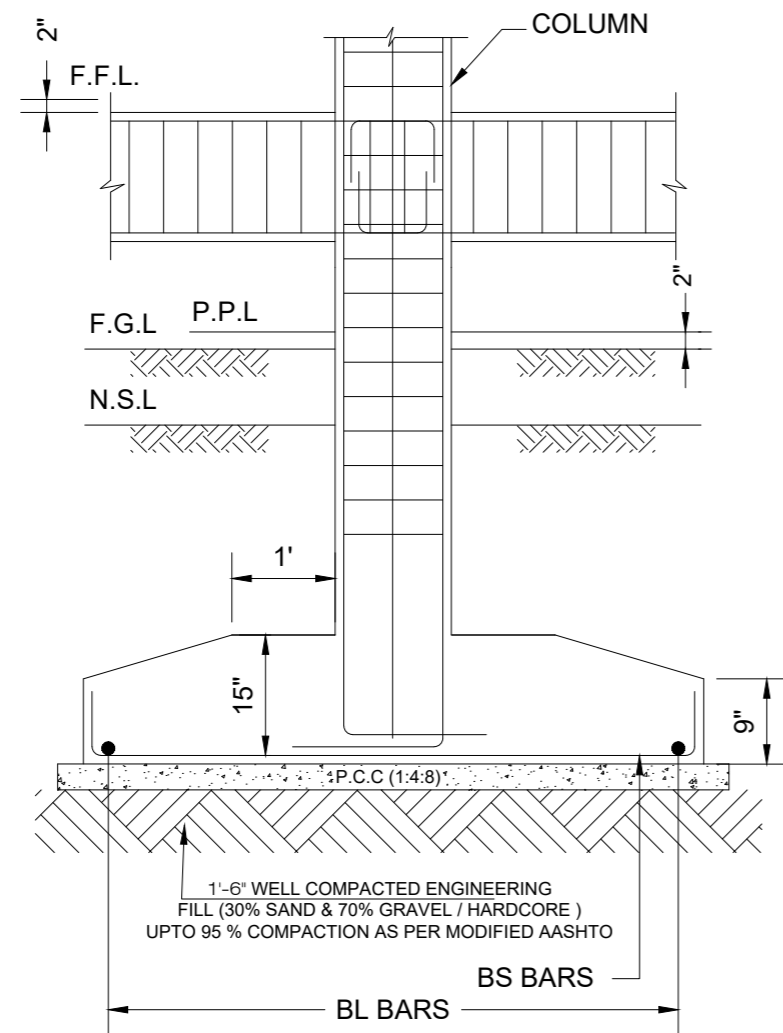
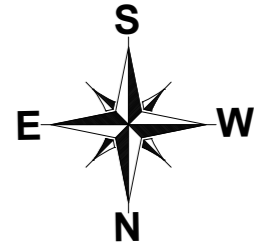


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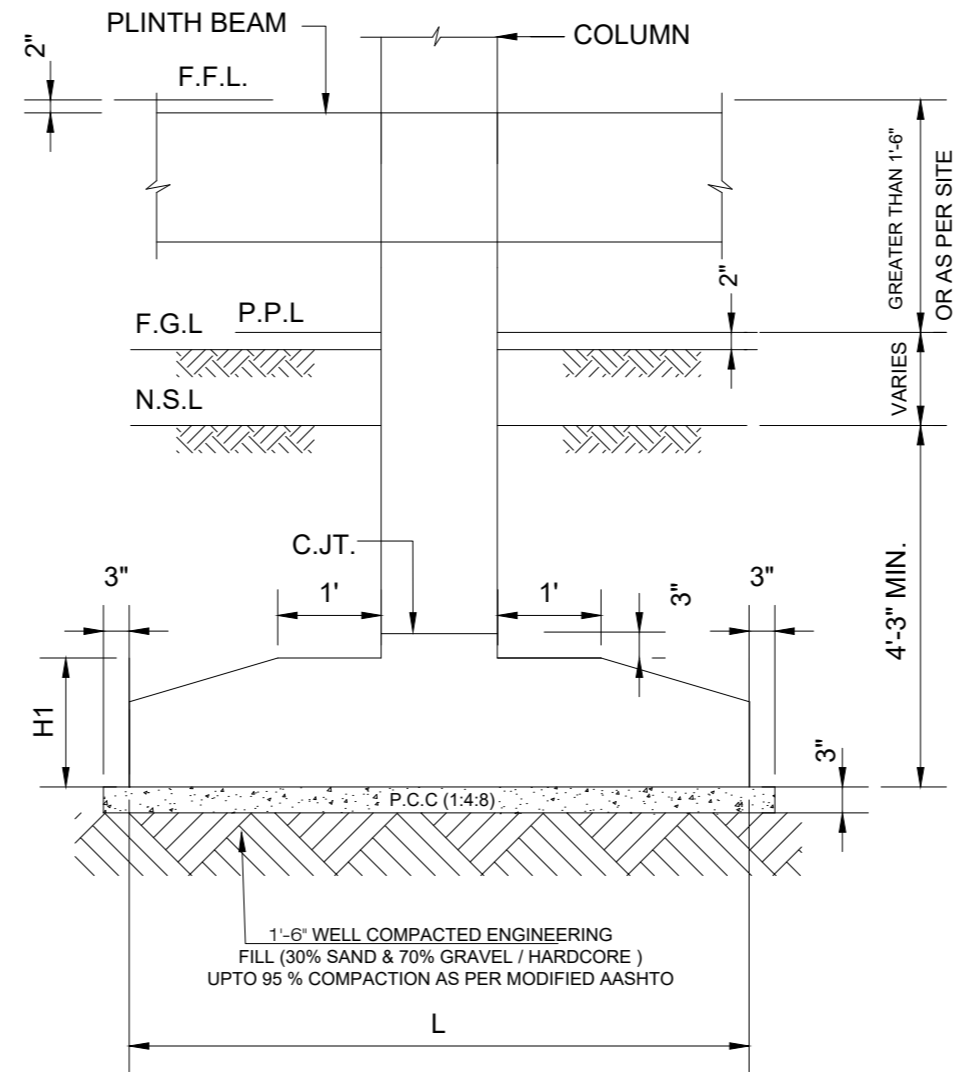
PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK FOUNDATION SCHEDULE**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

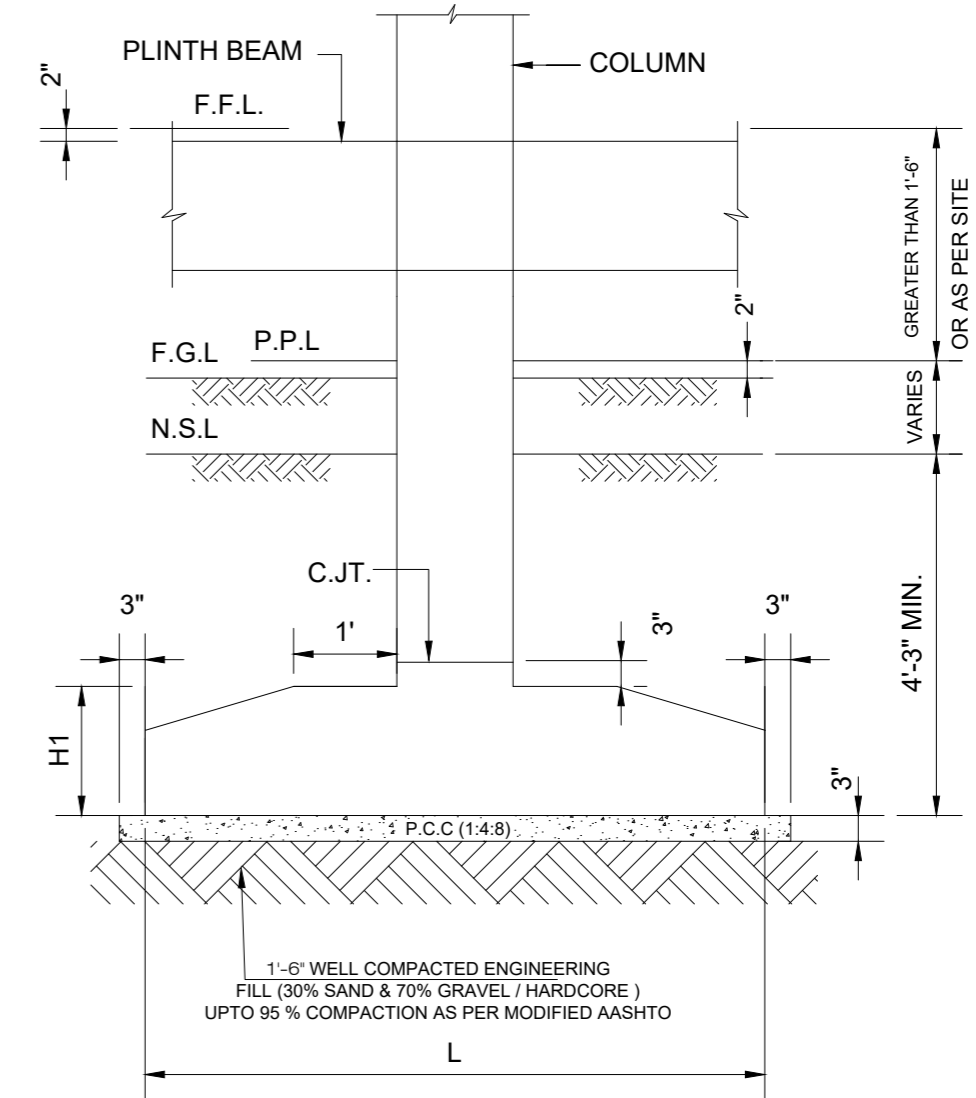
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHW SIMON	JOB NO.:	SCALE: N.T.S
DRG. NO.:	ST-07	



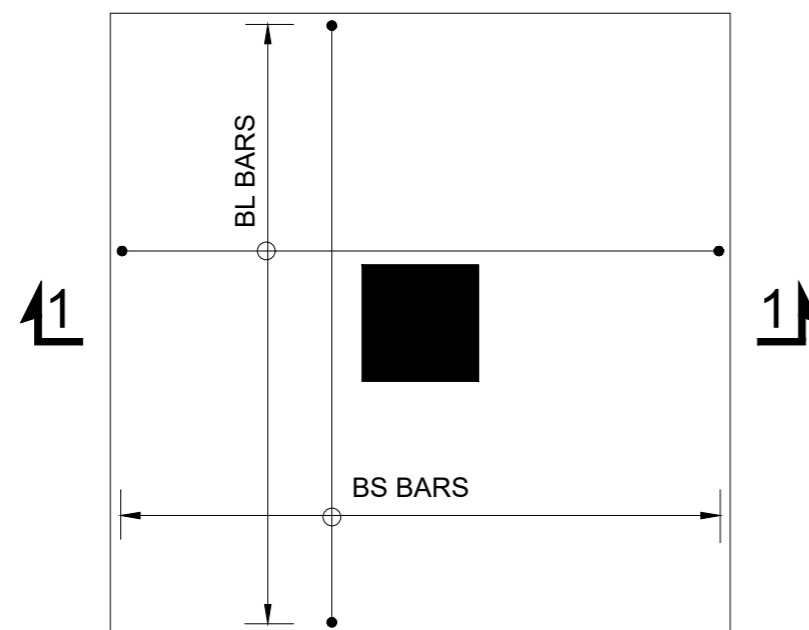
SECTION 1-1
REINFORCEMENT DETAILS



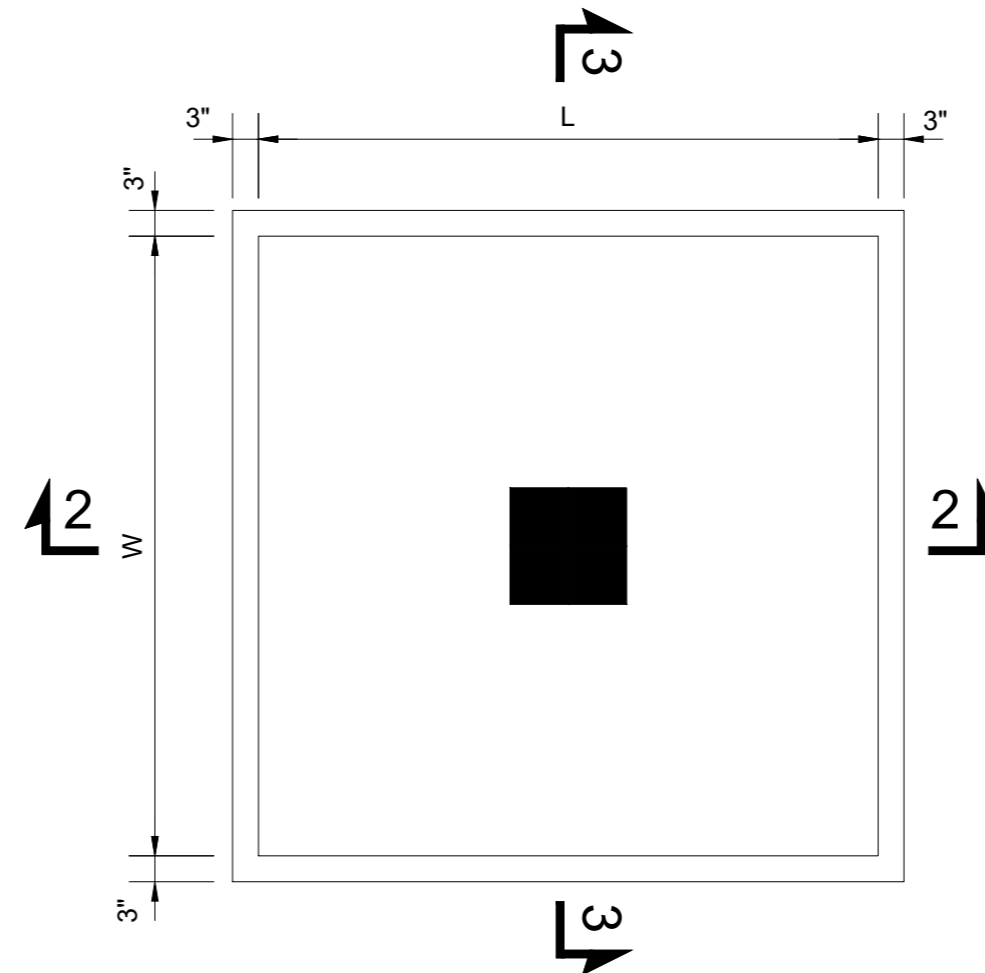
SECTION 2-2
CONCRETE OUTLINE



SECTION 3-3
CONCRETE OUTLINE



ISOLATED FOOTING (TYP.)
REINFORCEMENT DETAILS



ISOLATED FOOTING (TYP.)
CONCRETE OUTLINE

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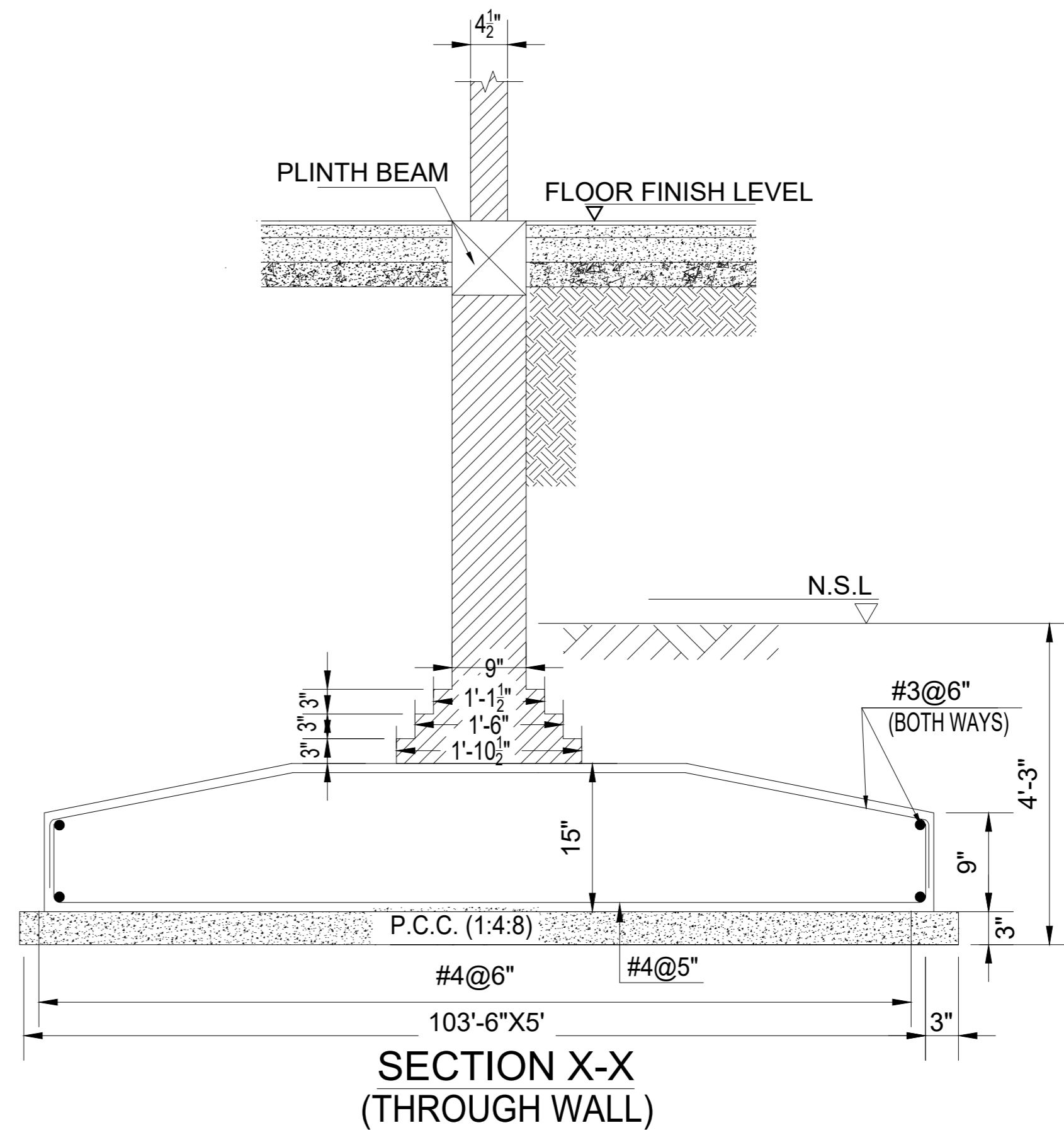
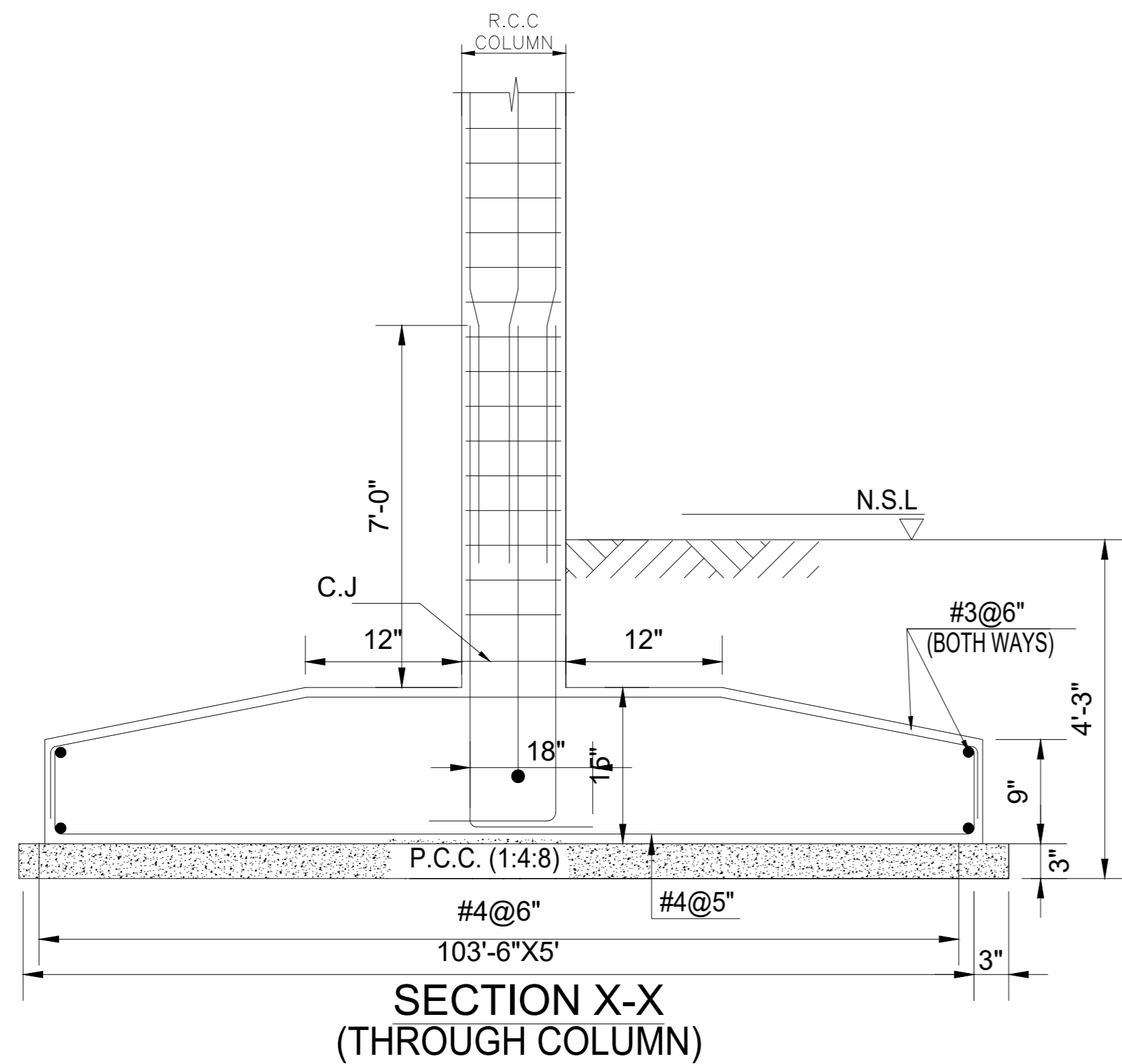
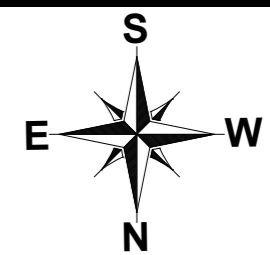
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Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
TITLE: **LUMHS ACADEMIC BLOCK FOUNDATION SECTION**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
DESIGNED BY: ENGALI HAIDER
APPROVED BY: [Signature]
DATE: APRIL, 2024
DRAWN BY: MATHIEW SIMON
JOB NO.: [Blank]
SCALE: N.T.S
DRG. NO.: ST-08



NOTE:
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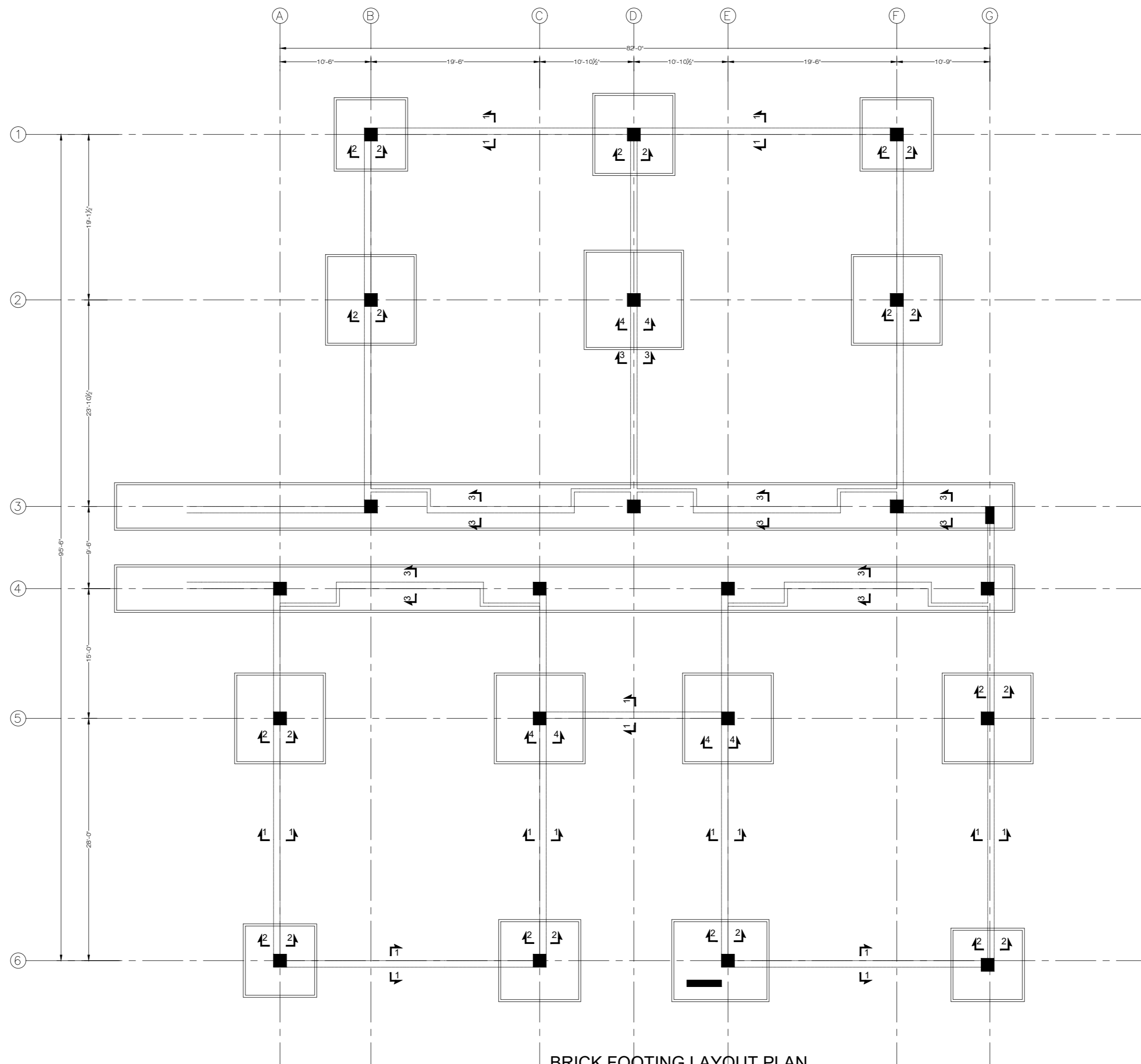
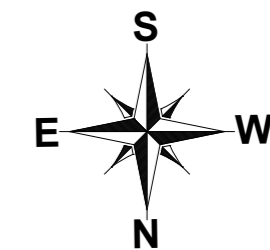
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PROJECT: UPGRADATION AND IMPROVEMENT OF
 PEOPLE NURSING SCHOOL, LIAQUAT
 UNIVERSITY OF MEDICAL & HEALTH
 SCIENCE JAMSHORO
TITLE: LUMHS ACADEMIC BLOCK
 STRIP FOOTING SECTION

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL &
 HEALTH SCIENCE JAMSHORO
 DESIGNED BY: ENGALI HAIDER
 APPROVED BY: DATE: APRIL, 2024
 DRAWN BY: MATHIEW SIMON
 JOB NO. SCALE: N.T.S
 DRG. NO. ST-09



BRICK FOOTING LAYOUT PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



NEW VISION ENGINEERING CONSULTANT
Head Office: Office No.B-6 SECOND FLOOR Masood Arcade IJP Road Islamabad.
Ph: +92-51-4848375, Fax: +92-51-4848375
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Regional Office: 287-A Street # 6, Cavalry Ground ,Lahore
Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

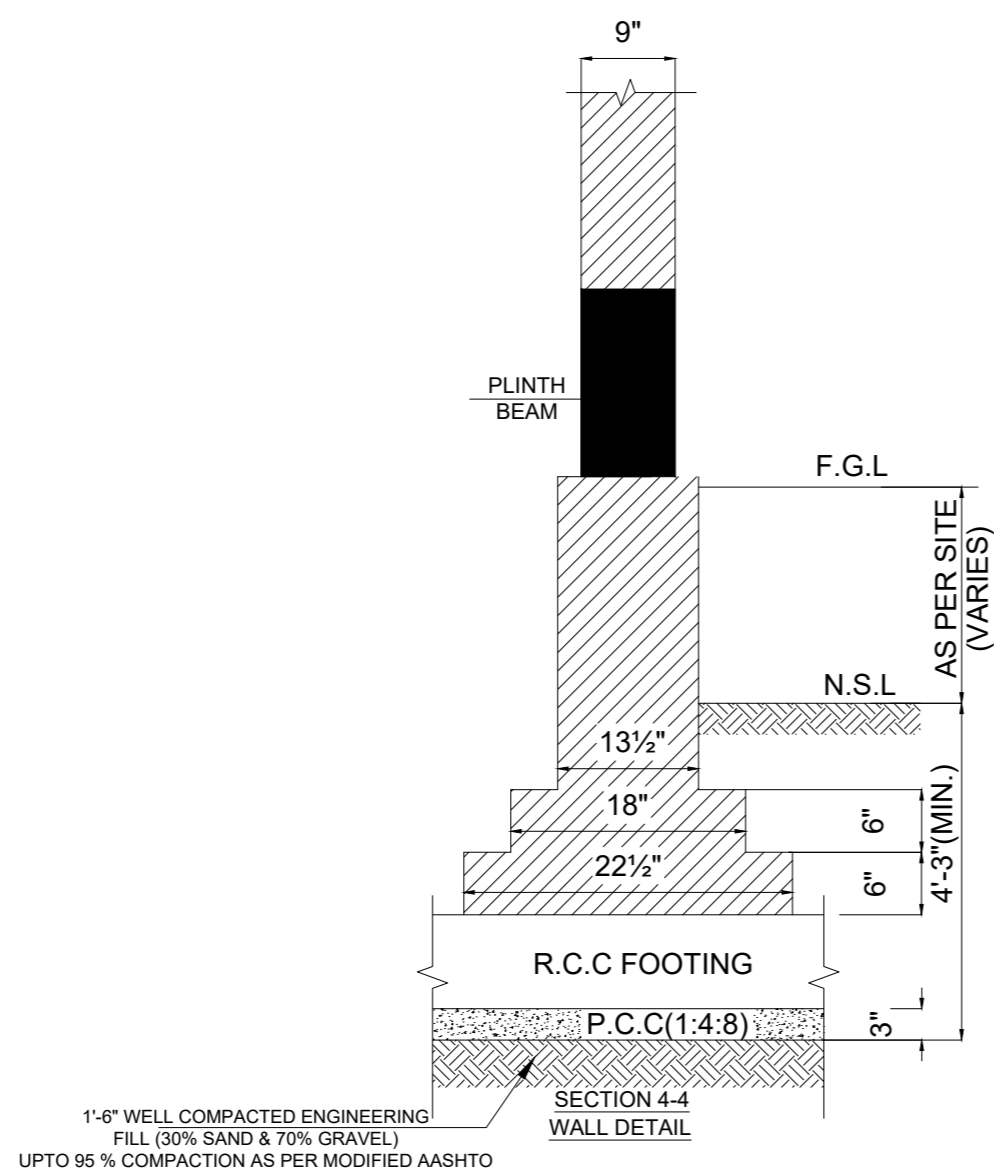
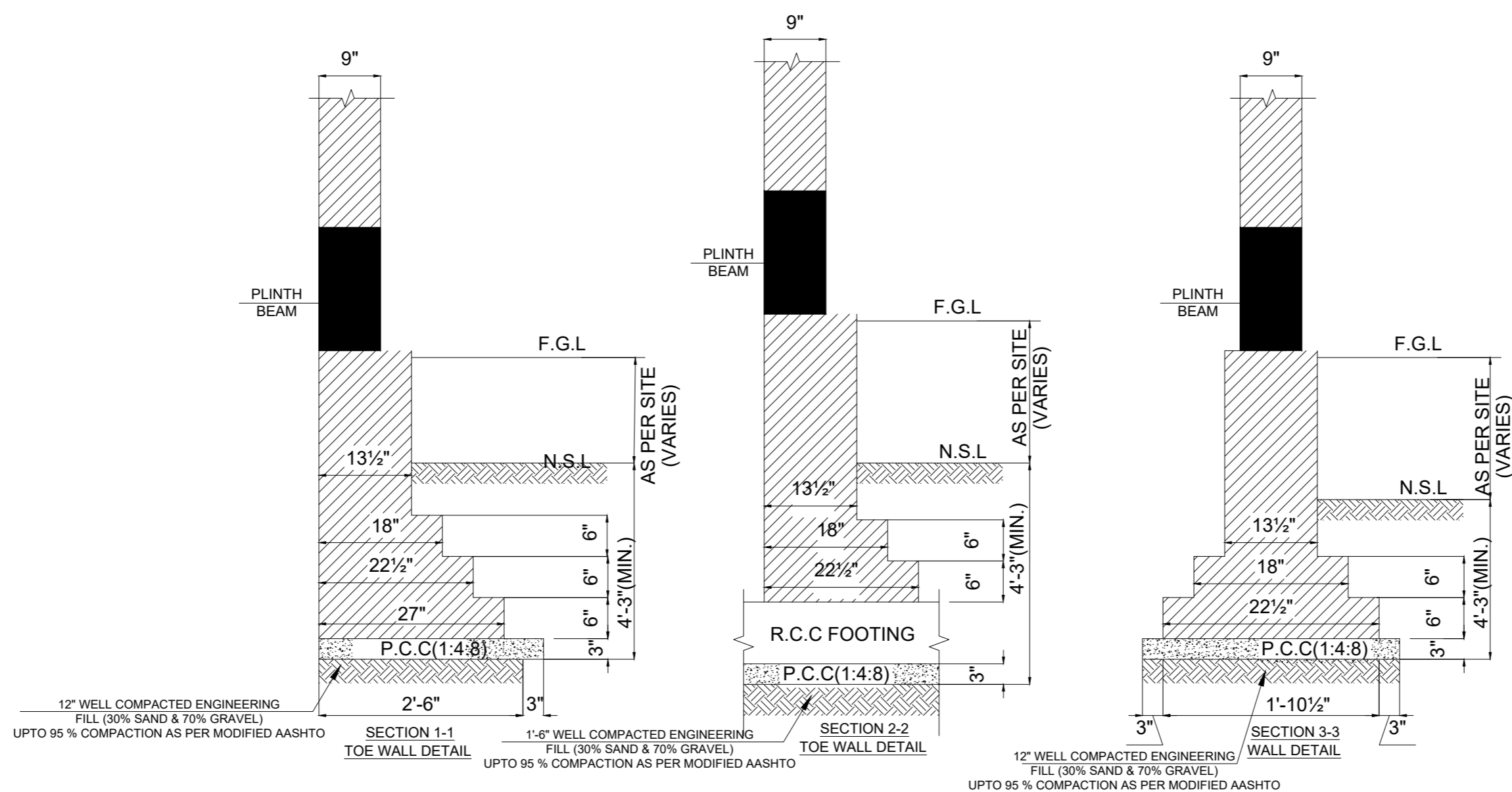
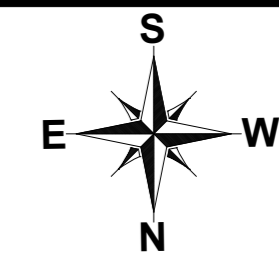
TITLE: **LUMHS ACADEMIC BLOCK BRICK FOOTING LAYOUT**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENG ALI HAIDER APPROVED BY: DATE: APRIL, 2024

DRAWN BY: MATHEW SIMON JOB NO. SCALE: N.T.S

DRG. NO. ST-10



NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



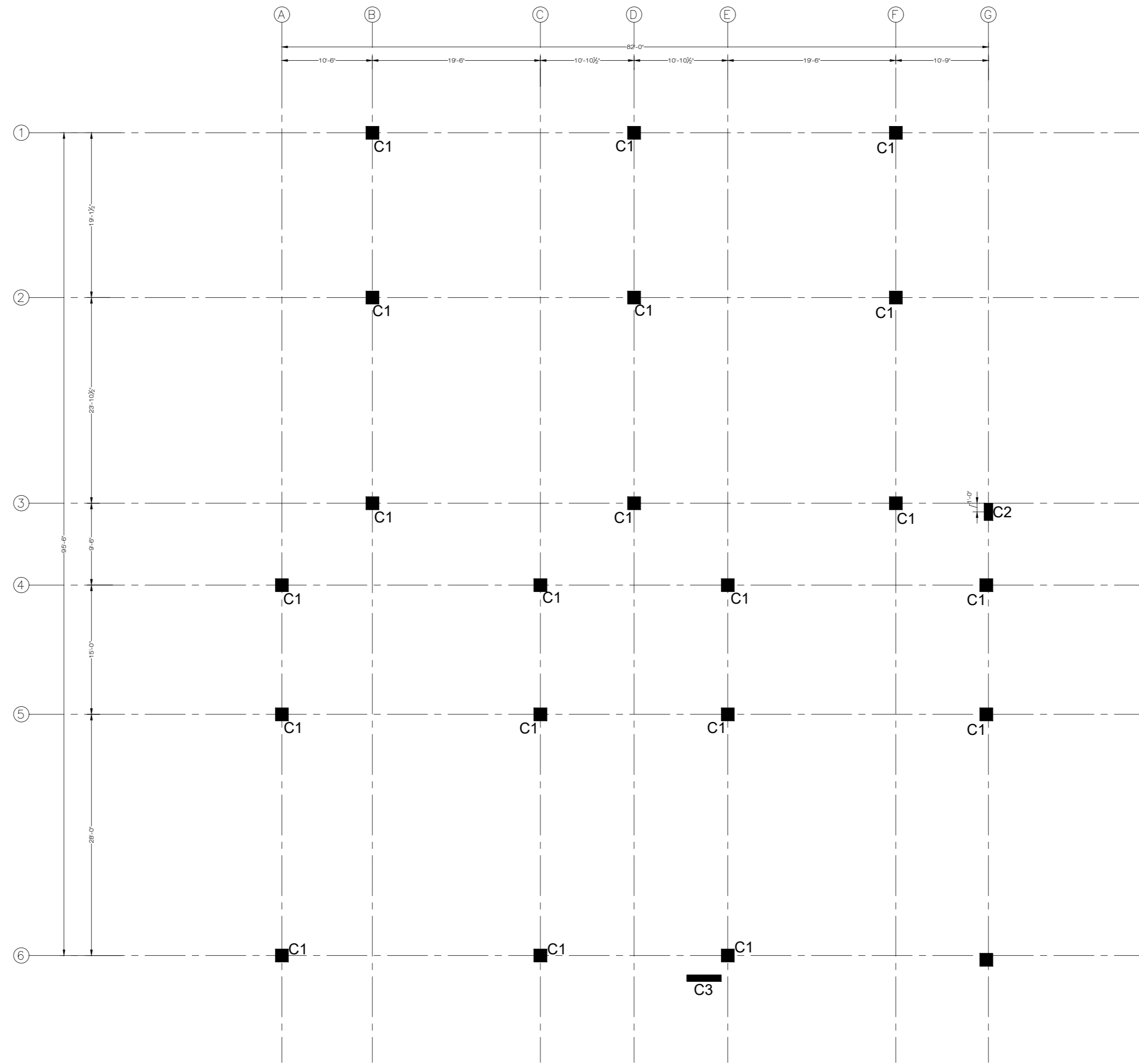
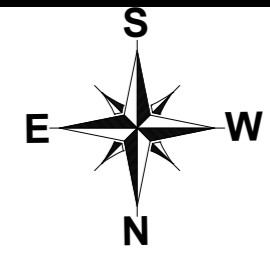
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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE: **LUMHS ACADEMIC BLOCK BRICK MASONRY FOOTING SECTION**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-11	



COLUMN LAYOUT GROUND FLOOR PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



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Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

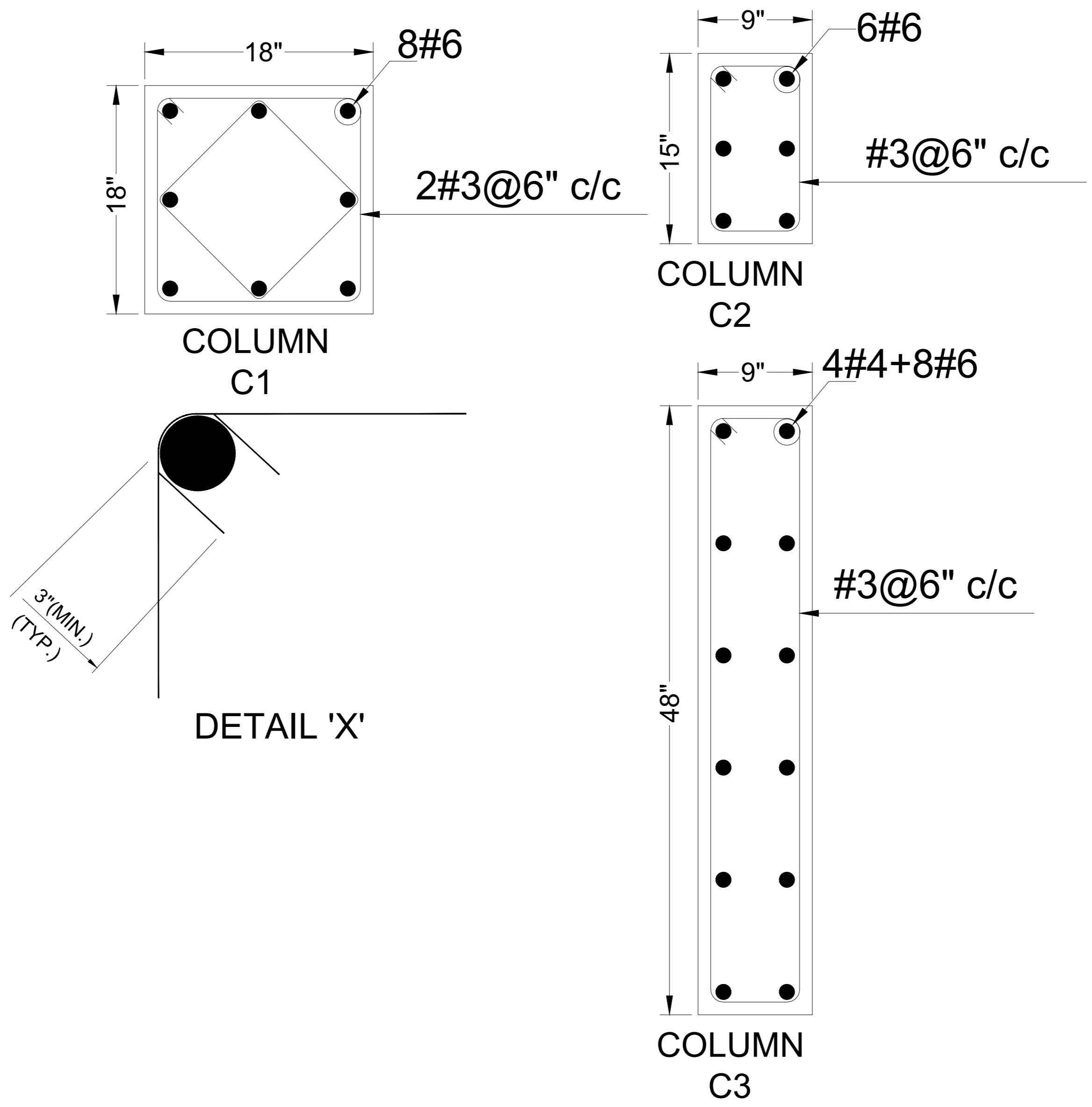
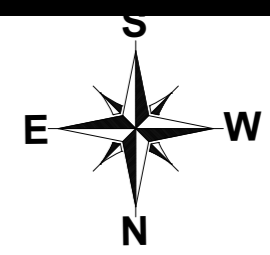
TITLE: **LUMHS ACADEMIC BLOCK GROUND FLOOR COLUMN LAYOUT PLAN**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGALI HAIDER APPROVED BY: DATE: APRIL, 2024

DRAWN BY: MATHEW SIMON JOB NO. SCALE: N.T.S

DRG. NO. ST-12



NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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

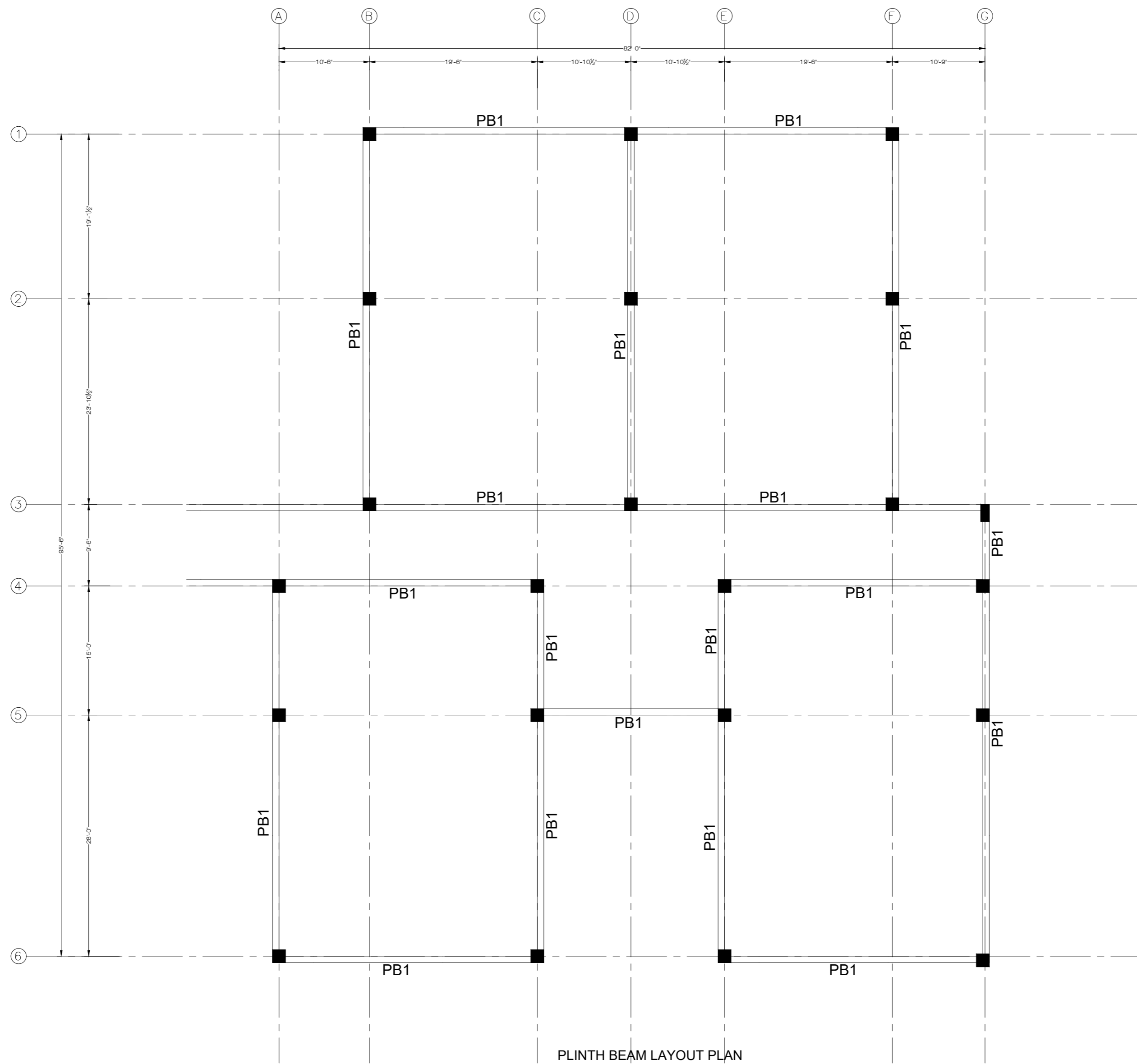
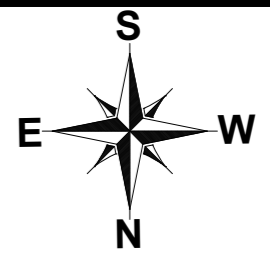


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 Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK COLUMN SECTION**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHIEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-13	



PLINTH BEAM LAYOUT PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

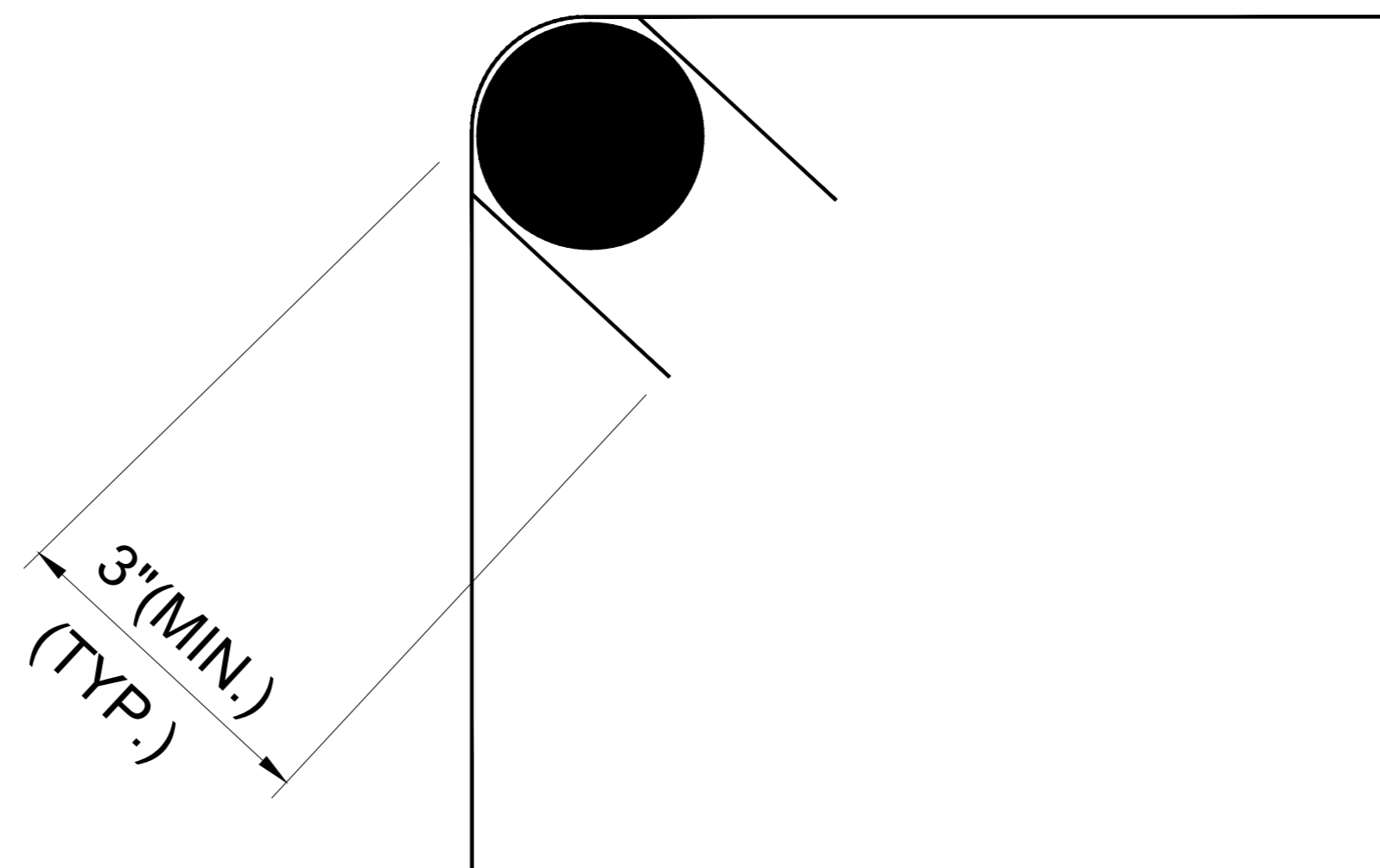
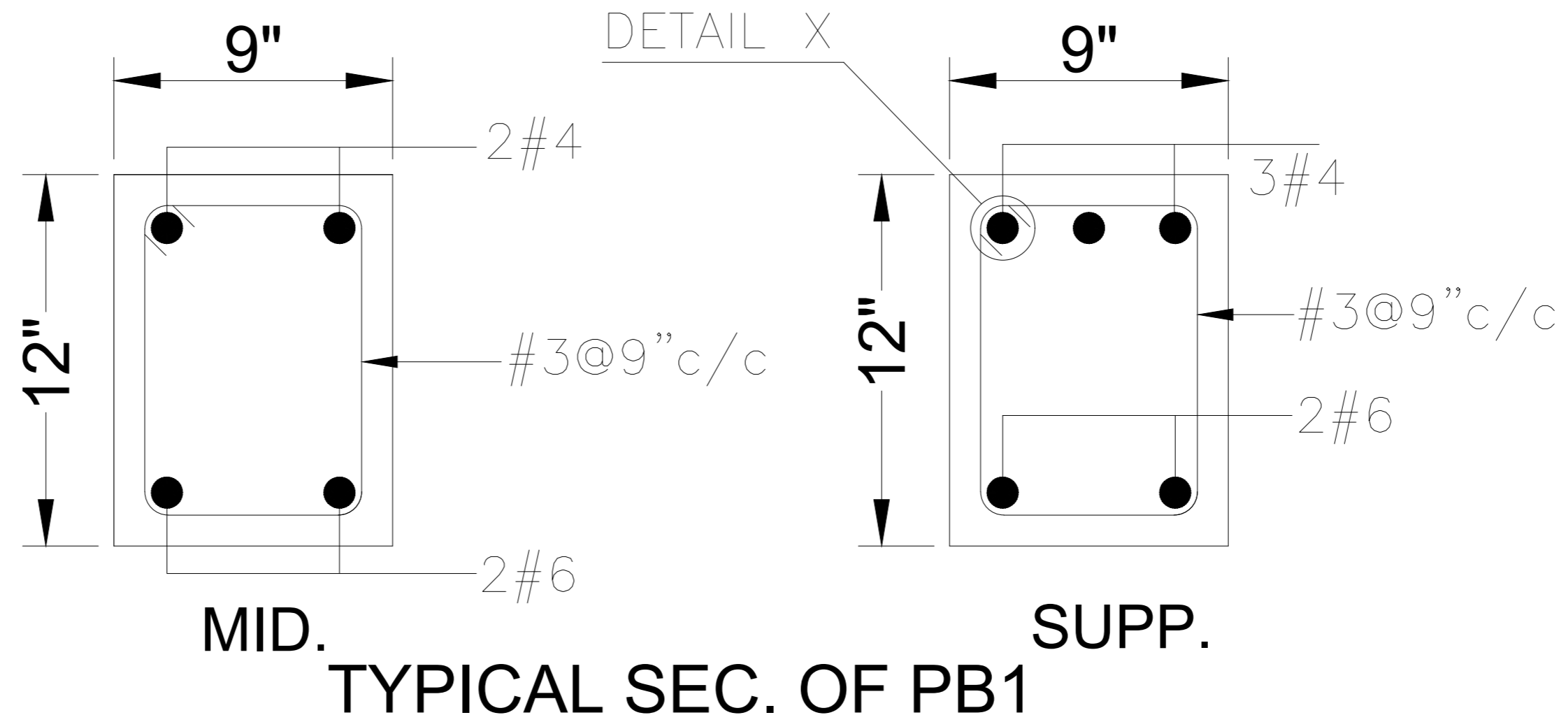
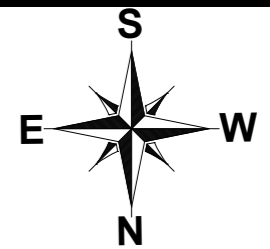
ADDITION & REVISION					
ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK PLINTH BEAM LAYOUT PLAN**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-14	



NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

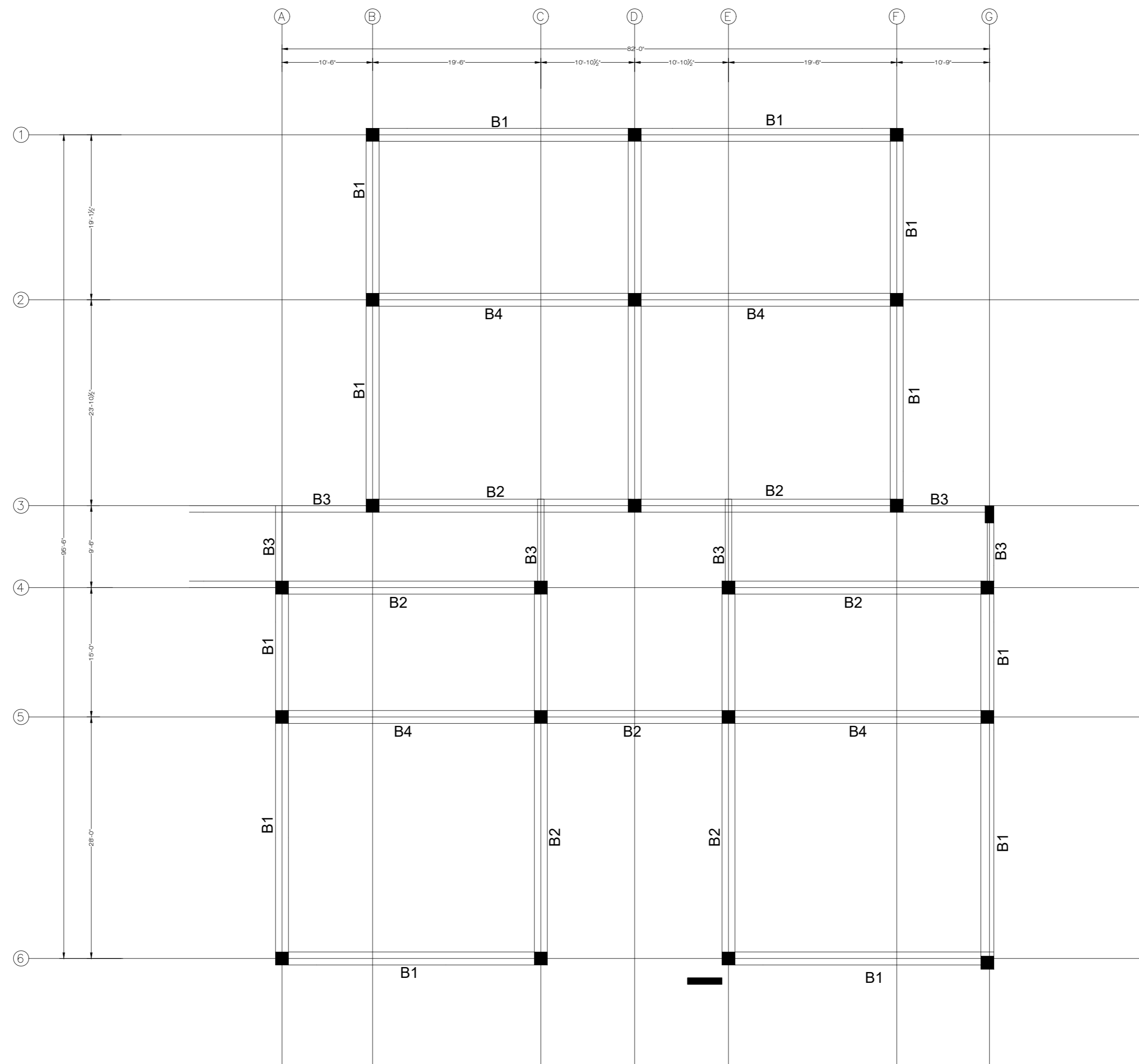
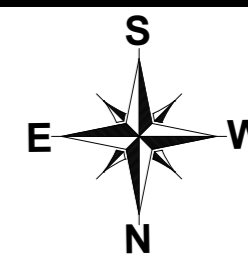
ADDITION & REVISION					
ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK PLINTH BEAM SECTION**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHEW SIMON	JOB NO.:	SCALE: N.T.S
DRG. NO.:	ST-15	



GROUND FLOOR BEAM LAYOUT PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



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Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

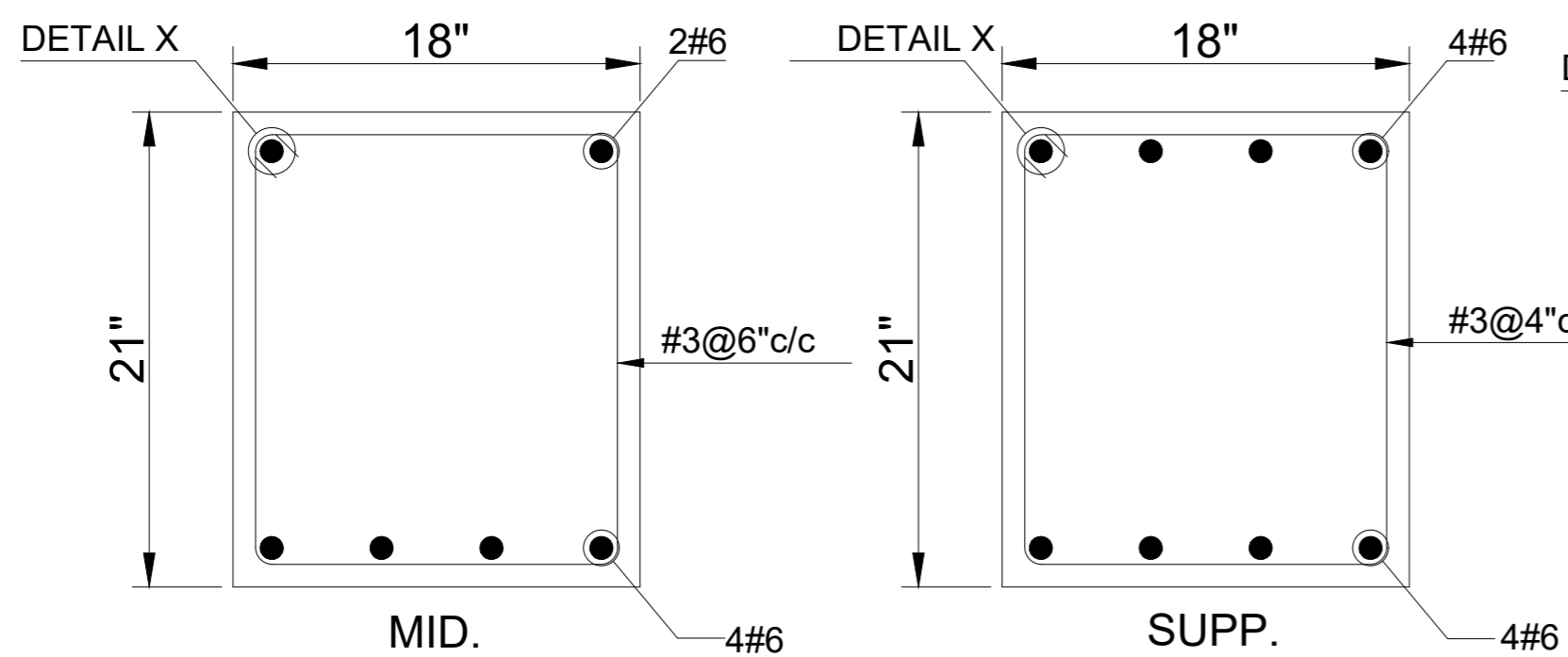
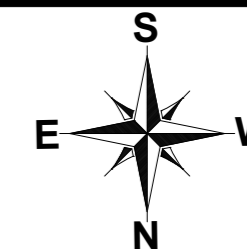
TITLE: **LUMHS ACADEMIC BLOCK GROUND FLOOR BEAM LAYOUT PLAN**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

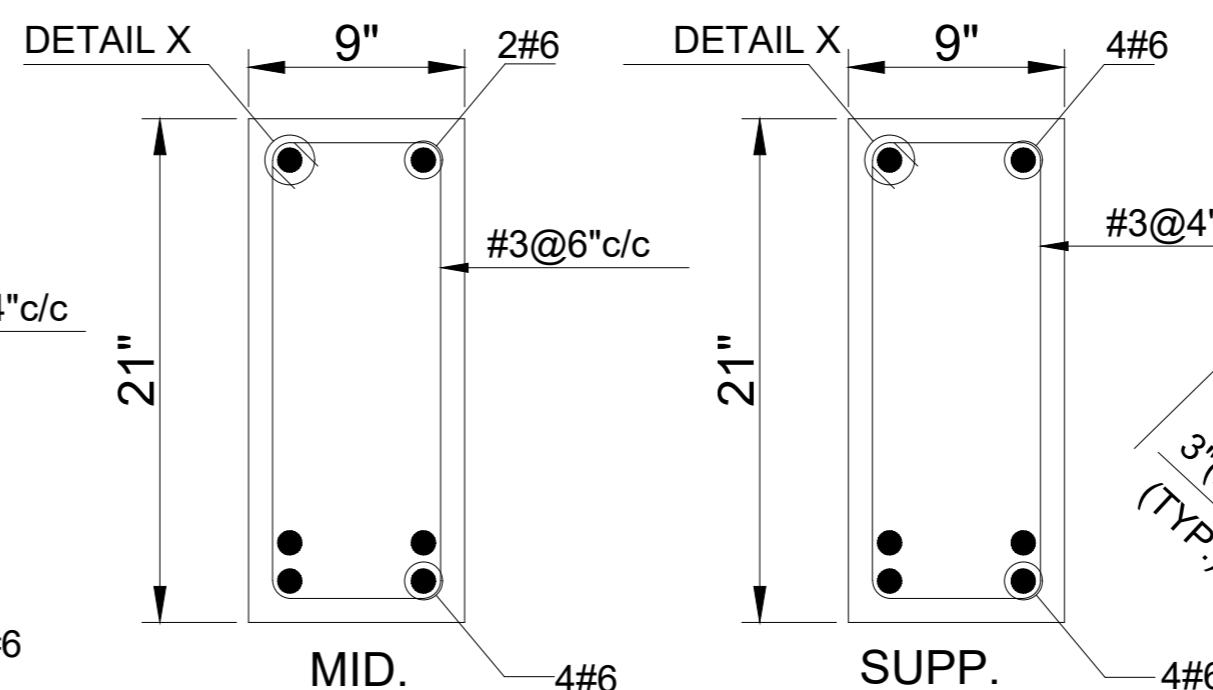
DESIGNED BY: ENGALI HAIDER APPROVED BY: DATE: APRIL, 2024

DRAWN BY: MATHEW SIMON JOB NO. SCALE: N.T.S

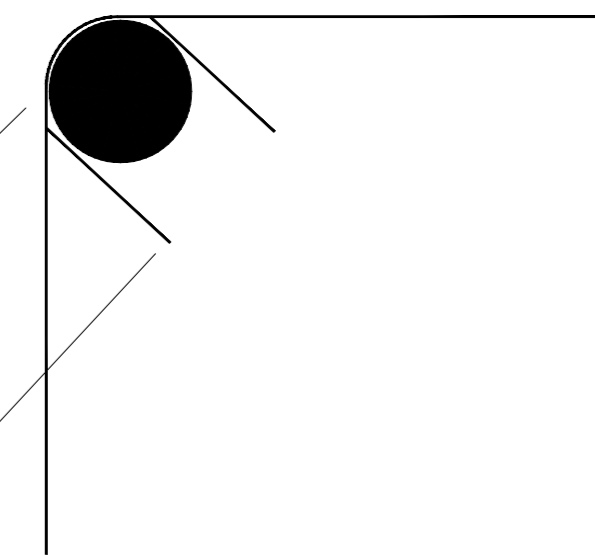
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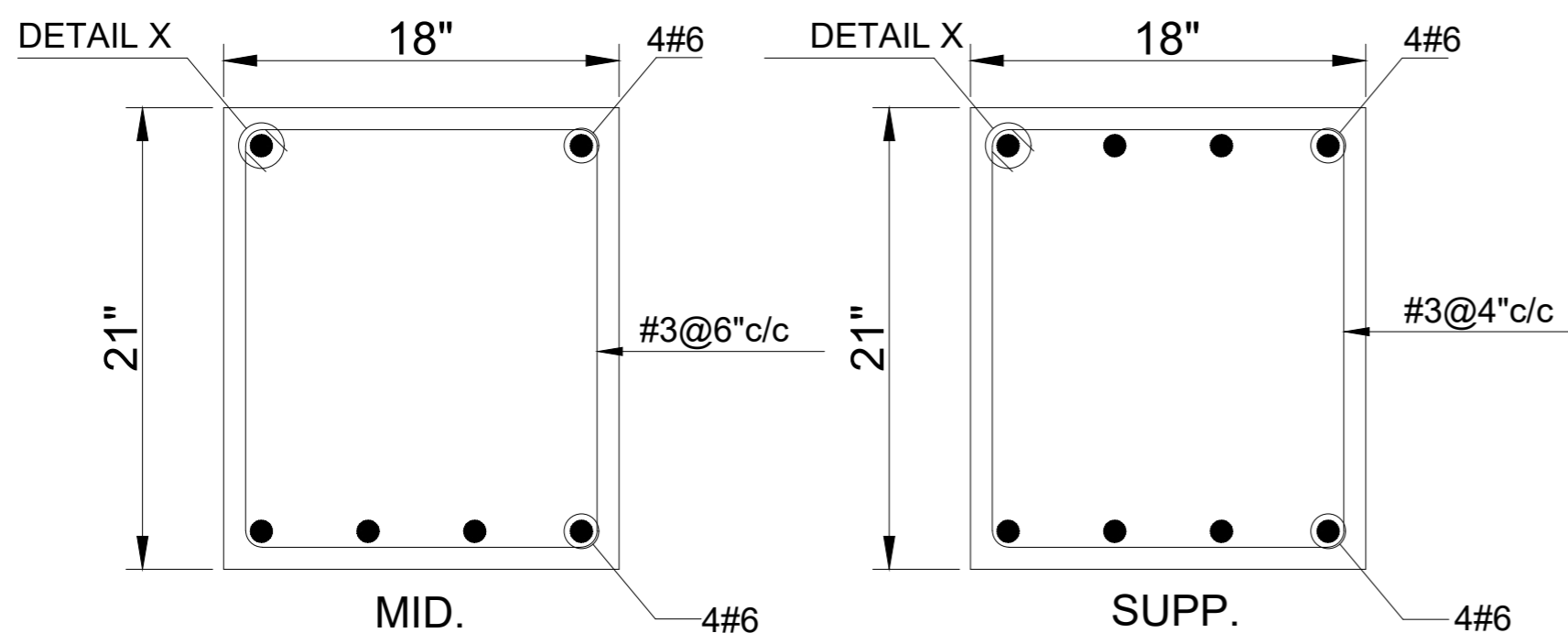
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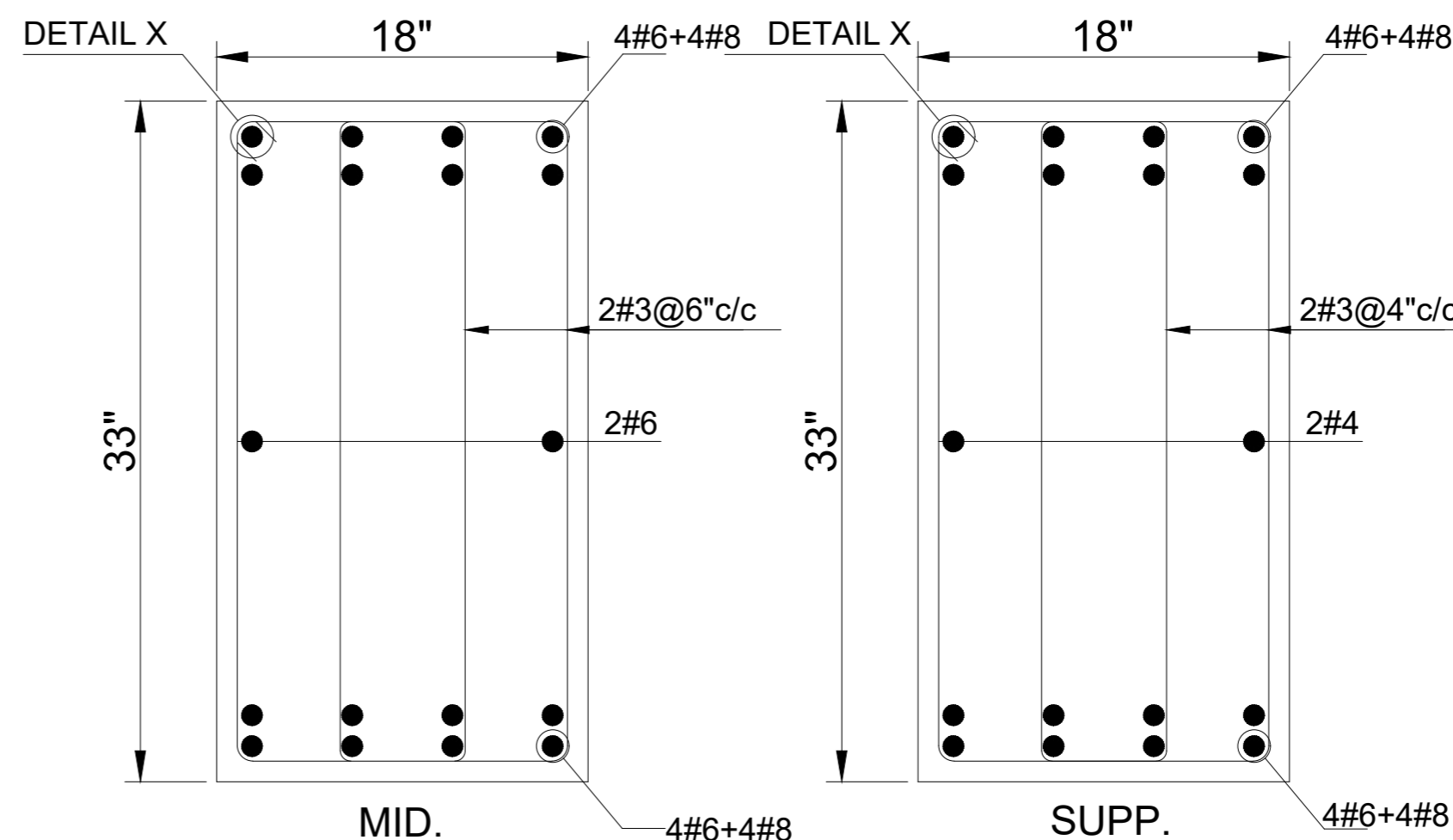
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DETAIL 'X'



TYPICAL SEC. OF B2



TYPICAL SEC. OF B4

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

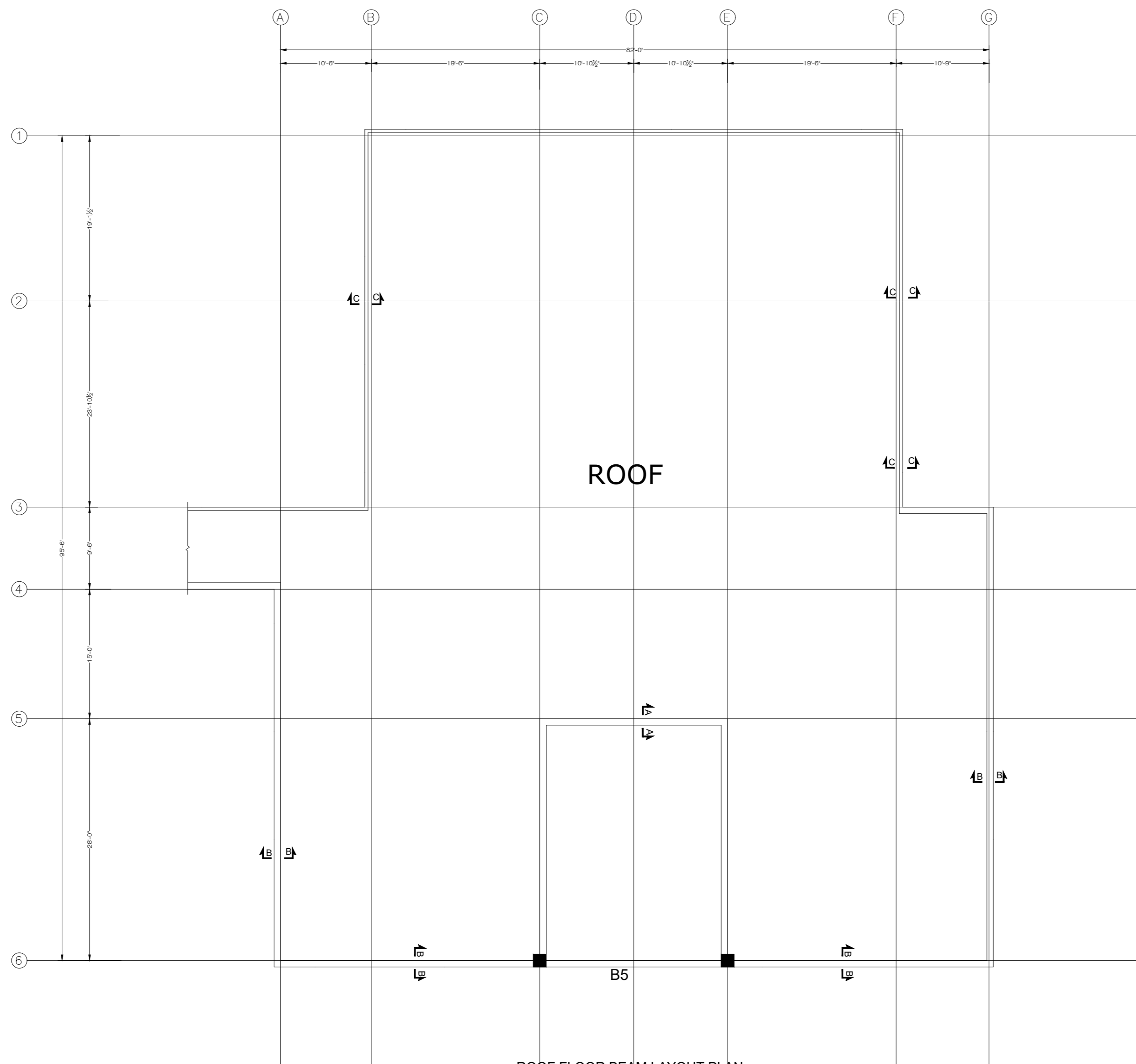
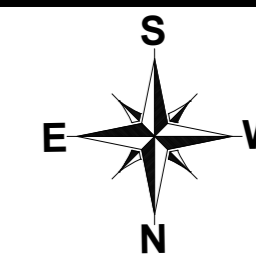
ADDITION & REVISION					
NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK GROUND FLOOR BEAM SECTION**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: ENGALI HAIDER
 APPROVED BY: [Signature]
 DATE: APRIL, 2024
 DRAWN BY: MATHEW SIMON
 JOB NO.: [Blank]
 SCALE: N.T.S
 DRG. NO.: ST-17



ROOF FLOOR BEAM LAYOUT PLAN
FOR MORE DETAIL REFER TO ARCHITECTURAL DRAWINGS

NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

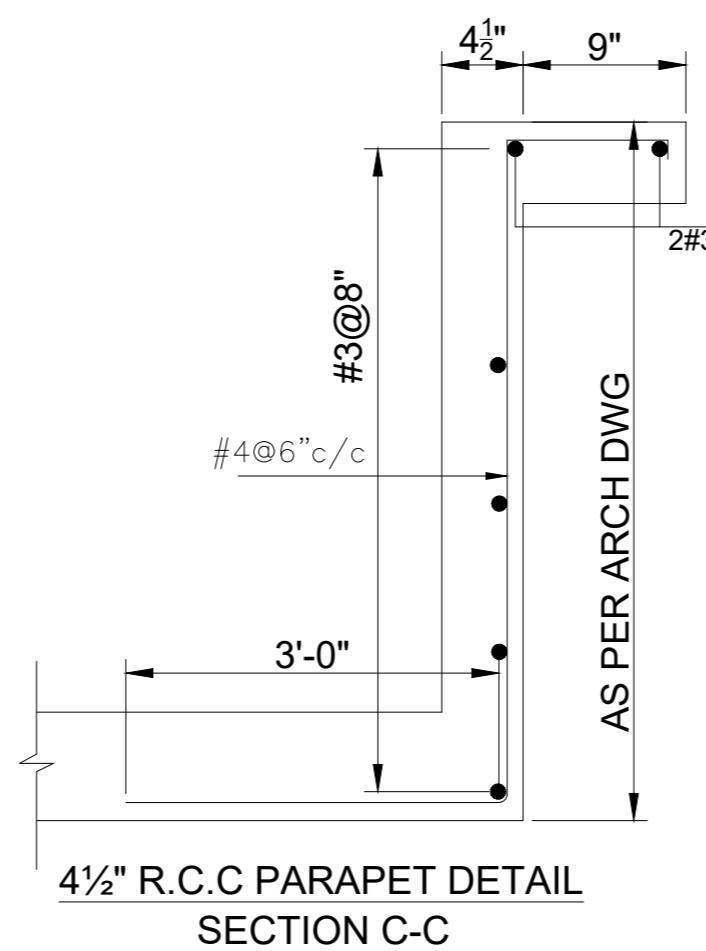
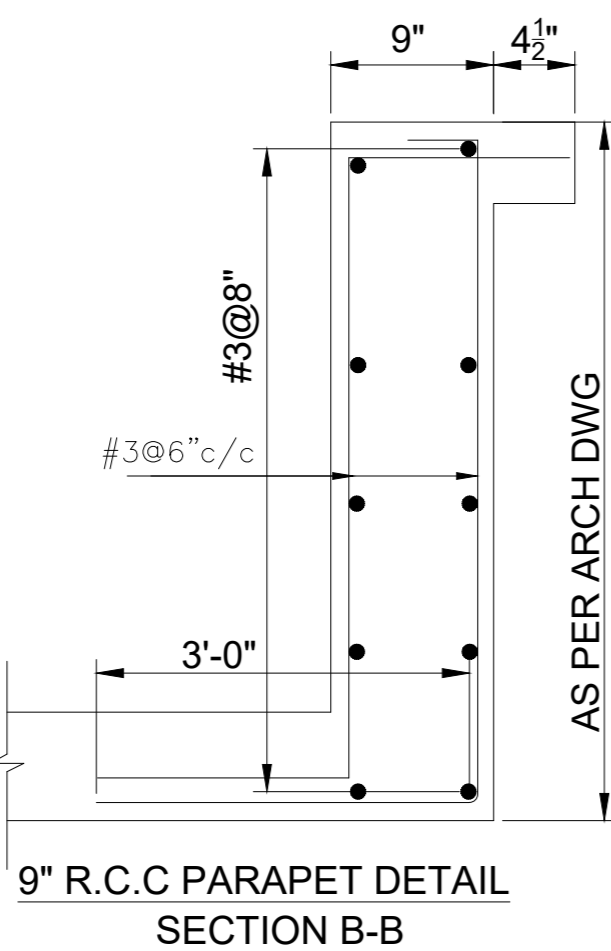
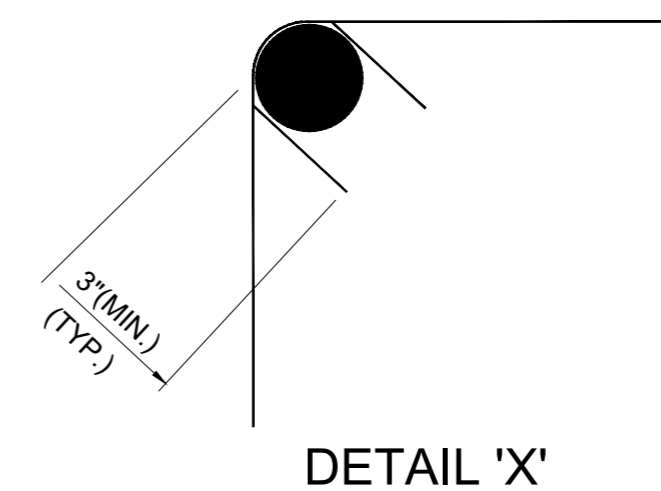
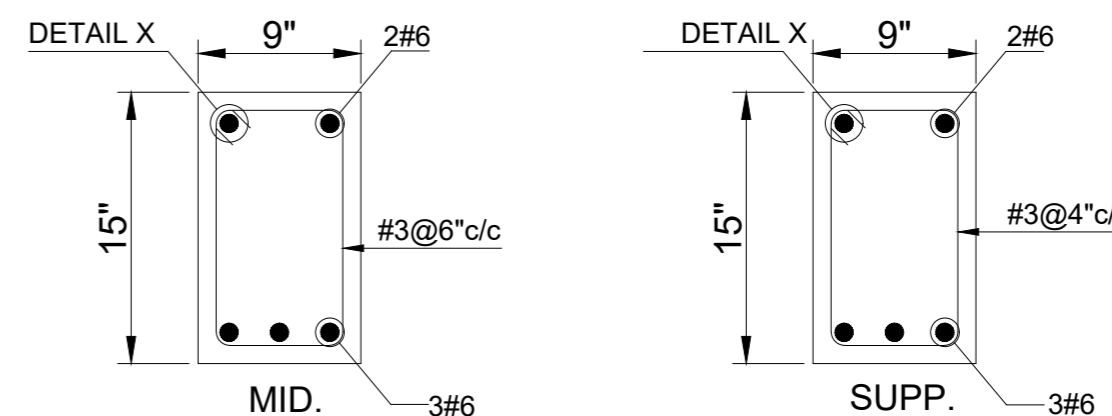
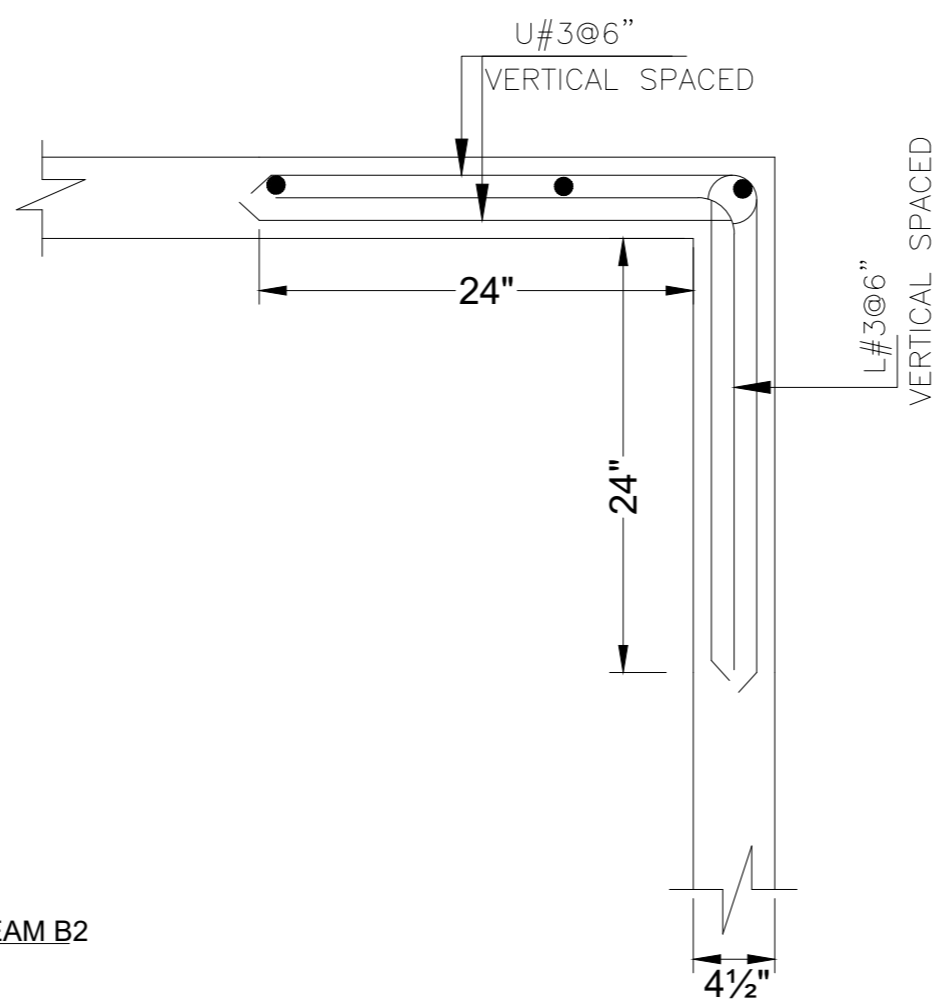
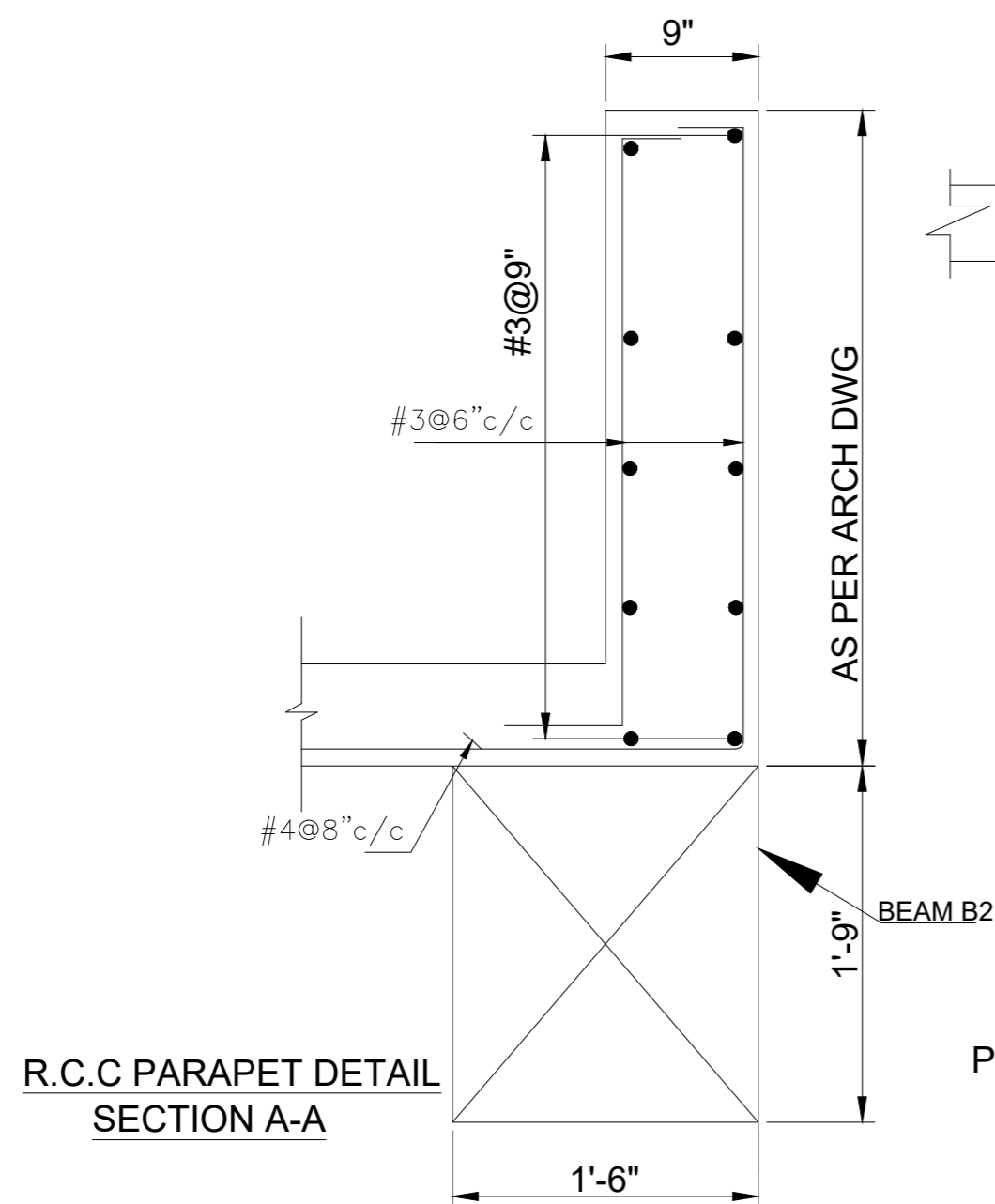
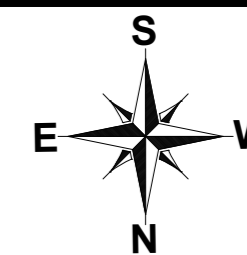
ADDITION & REVISION					
ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



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Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
TITLE: **LUMHS ACADEMIC BLOCK ROOF FLOOR LAYOUT PLAN**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-18	



NOTE:
THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

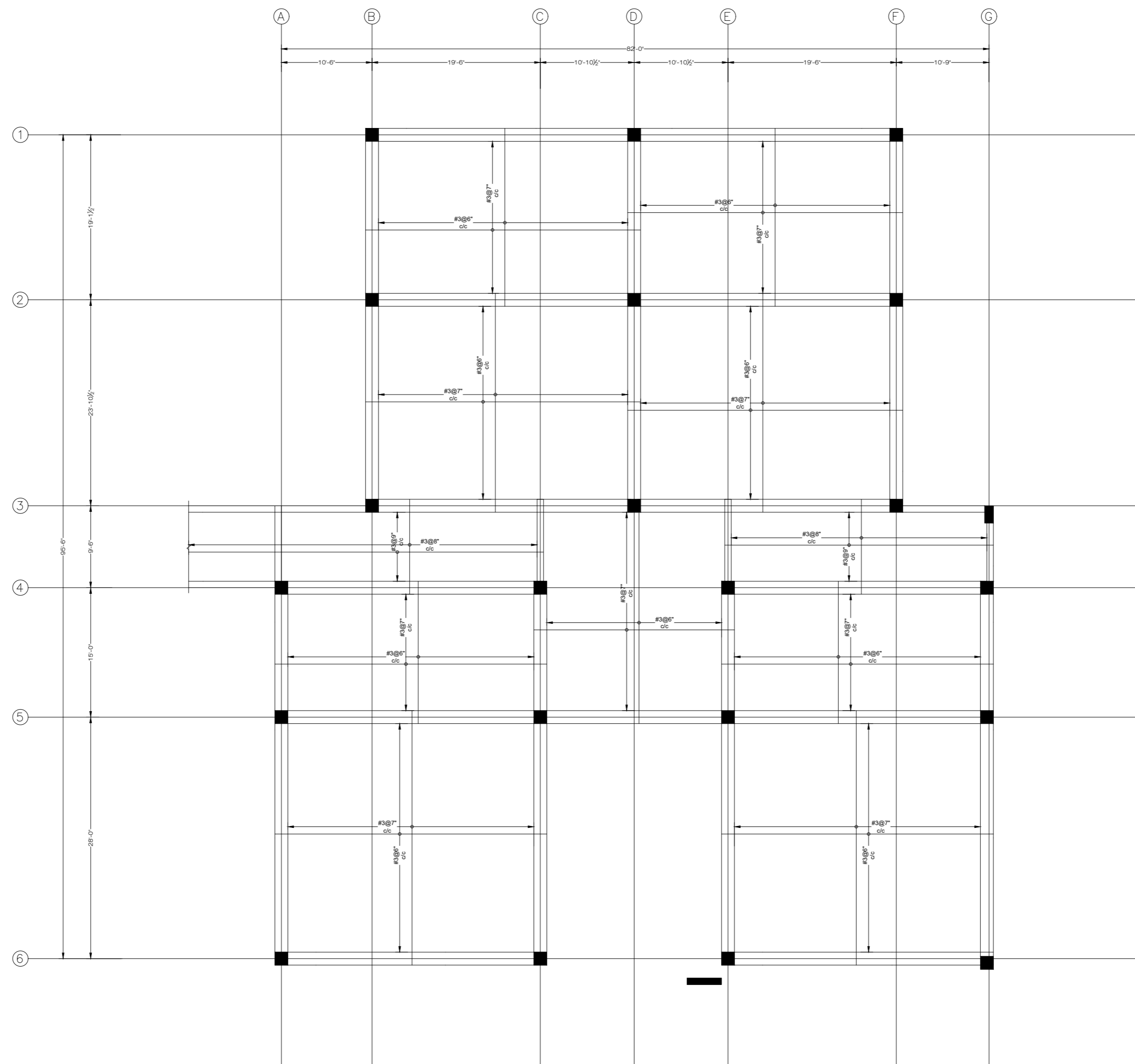
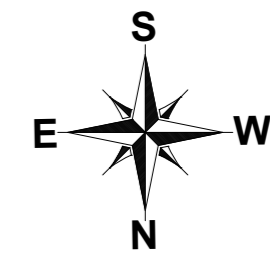
ADDITION & REVISION						
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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK ROOF FLOOR BEAM SECTION**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: ENGALI HAIDER
 APPROVED BY: [Signature]
 DATE: APRIL, 2024
 DRAWN BY: MATHEW SIMON
 JOB NO.: [Blank]
 SCALE: N.T.S
 DRG. NO.: ST-18A



GROUND FLOOR SLAB LAYOUT
 POSITIVE REINFORCEMENT DETAIL
 SLAB THICKNESS = 6" (EXCEPT WHERE AS NOTED)
 COVERED AREA=7626 SFT

NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING. THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

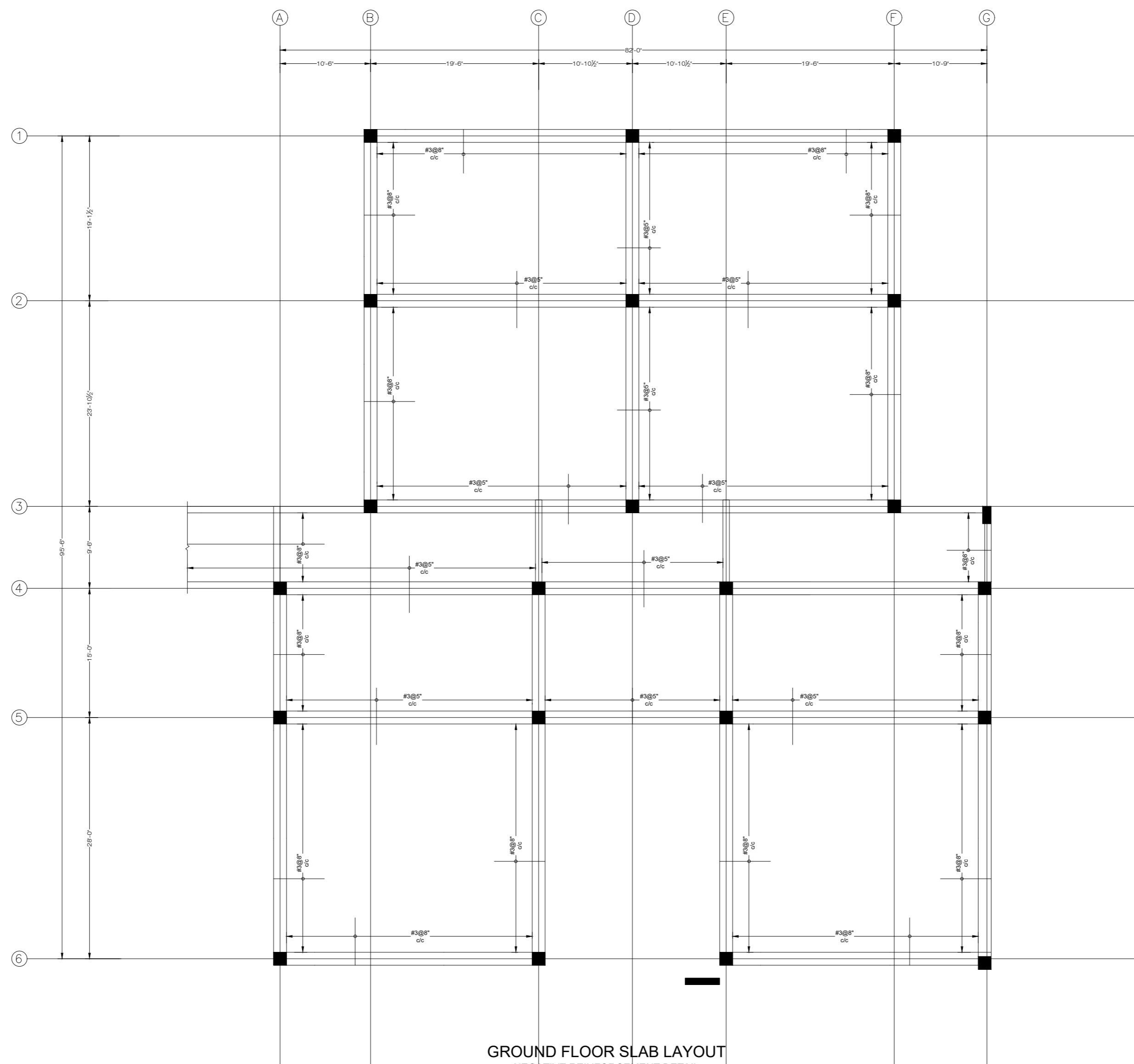
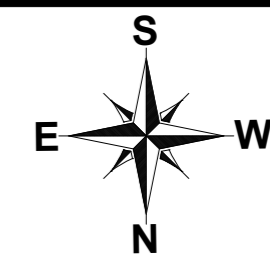
ADDITION & REVISION					
ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK GROUND FLOOR POSITIVE REINFORCEMENT PLAN**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHIEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-19	



GROUND FLOOR SLAB LAYOUT
 NEGATIVE REINFORCEMENT DETAIL
 SLAB THICKNESS = 6" (EXCEPT WHERE AS NOTED)
 COVERED AREA=7626 SFT

NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

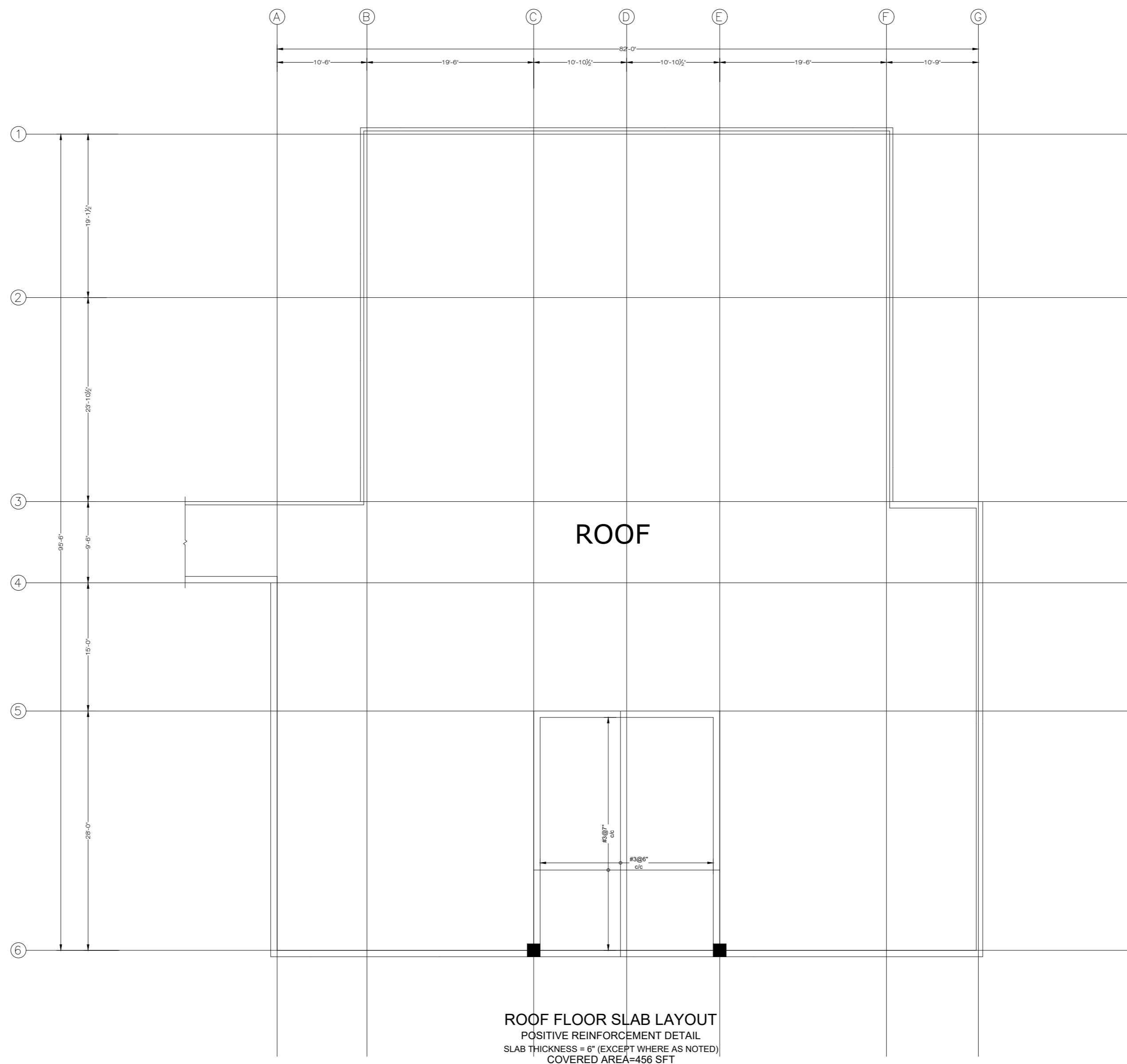
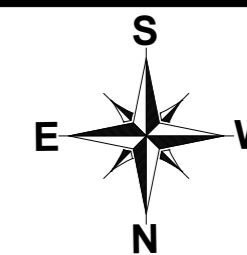
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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK GROUND FLOOR NEGATIVE REINFORCEMENT PLAN**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: ENGALI HAIDER
 APPROVED BY: [Signature]
 DATE: APRIL, 2024
 DRAWN BY: MATHEW SIMON
 JOB NO.: [Blank]
 SCALE: N.T.S
 DRG. NO.: ST-20



ROOF FLOOR SLAB LAYOUT
 POSITIVE REINFORCEMENT DETAIL
 SLAB THICKNESS = 6" (EXCEPT WHERE AS NOTED)
 COVERED AREA=456 SFT

NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

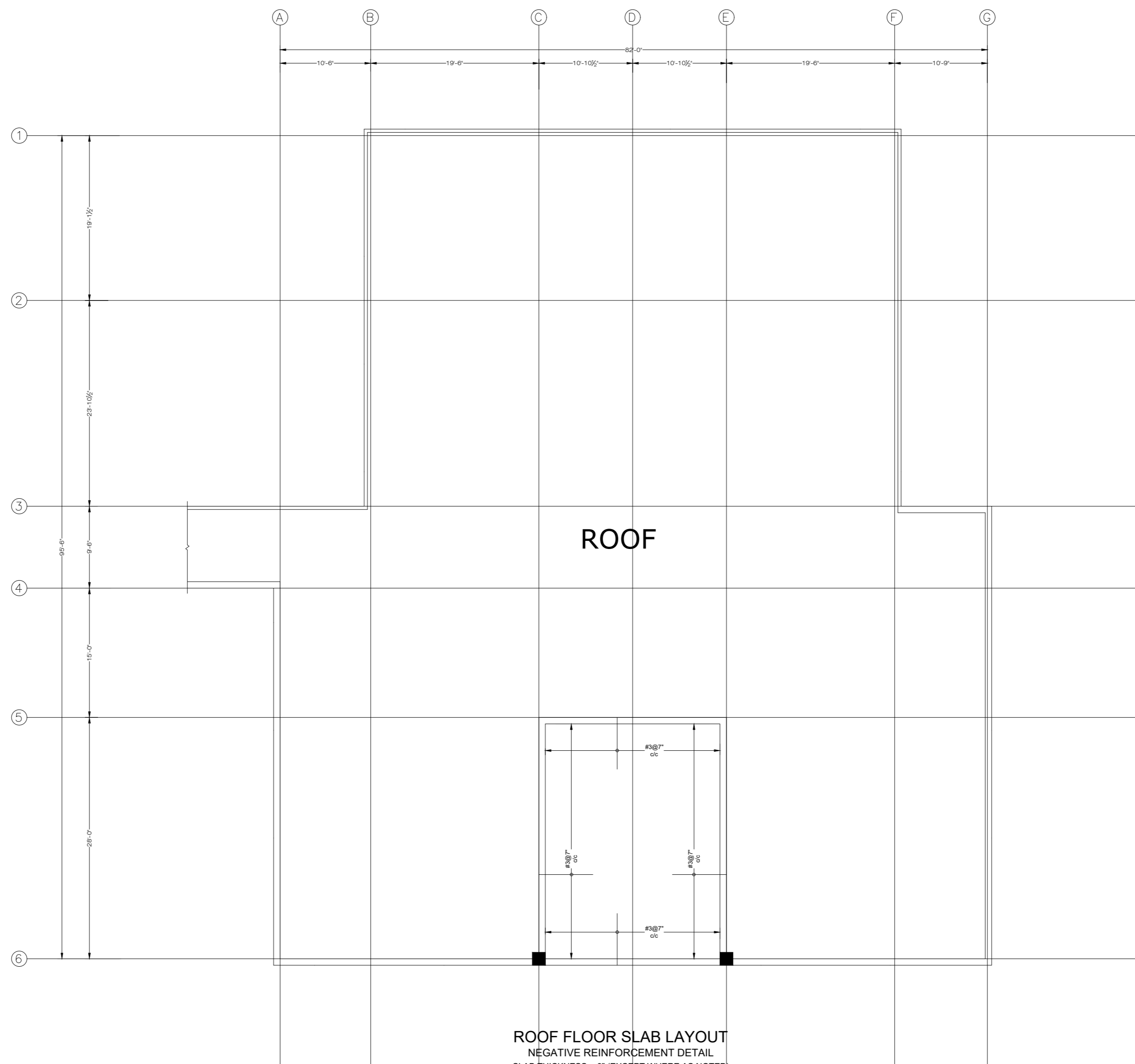
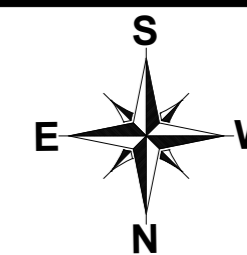
ADDITION & REVISION					
ADD. REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY



NEW VISION ENGINEERING CONSULTANT
 Head Office: Office No.B-6 SECOND FLOOR Masood Arcade
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 Ph: +92-51-4848375, Fax: +92-51-4848375
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 Regional Office: 287-A Street # 6, Cavalry Ground ,Lahore
 Ph: +92-42-37250130

PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK ROOF FLOOR POSITIVE REINFORCEMENT PLAN**

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-21	



ROOF FLOOR SLAB LAYOUT
 NEGATIVE REINFORCEMENT DETAIL
 SLAB THICKNESS = 6" (EXCEPT WHERE AS NOTED)
 COVERED AREA=456 SFT SFT

NOTE:
 THE STRUCTURE IS DESIGNED AS COMPOSITE IN NATURE I.E. , 9" AND 13.5" WALLS ARE LOAD BEARING.THE CONSTRUCTION SHOULD BE CARRIED OUT PARALLEL FOR FRAME AND WALLS SO LOAD SHOULD BE DISTRIBUTED ON WALLS.

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



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PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE: **LUMHS ACADEMIC BLOCK ROOF FLOOR POSITIVE REINFORCEMENT PLAN**

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGALI HAIDER	APPROVED BY:	DATE: APRIL, 2024
DRAWN BY: MATHEW SIMON	JOB NO.	SCALE: N.T.S
DRG. NO.	ST-22	

ELECTRICAL

LIST OF DRAWINGS

S.NO.	DRAWING TITLE	DRG. NO
ELECTRICAL DRAWINGS		
1	LIST OF DRAWING	EL-00
2	GENERAL NOTES	EL-01
3	FIRE ALARM TYPICAL DETAIL	EL-02
4	MOUNTING HEIGHT OF FIXTURE DETAIL	EL-03
5	LEGEND AND SYMBOLS	EL-04
6	EARTHING DETAIL	EL-05
7	DISTRIBUTION BOARD DB-LIGHTING & POWER	EL-06
8	LIGHTING LAYOUT	EL-07
9	POWER LAYOUT	EL-08
10	FIRE ALARM SYSTEM LAYOUT	EL-09

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



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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK LIST OF DRAWING
CAD filename:	

CLIENT:	LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY:	APPROVED BY:	DATE :	APRIL, 2024
ENGR. SHADAB	A.S		
DRAWN BY:	JOB NO.	SCALE:	N.T.S
ENGR. AHMAD			
DRG. NO.	EL-00		

GENERAL NOTES

ELECTRICAL SYSTEMS

1. FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL ELECTRICAL DRAWINGS. THE INSTRUCTIONS IN THESE NOTES SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
2. THESE NOTES SHALL BE APPLICABLE TO THE ENTIRE ELECTRICAL WORKS. IF THE SITE CONDITIONS NECESSITATE ANY ALTERATIONS OR DEVIATIONS THE DIRECTIONS OF THE ENGINEER SHALL BE OBSERVED AS FINAL INSTRUCTIONS.
3. ALL ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH BOQ, TECHNICAL SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING AND HVAC DRAWINGS & ALL OTHER RELEVANT DETAILS.
4. DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUT AND DETAILED DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE ACTUAL DIMENSIONS/ MEASUREMENTS ACCORDING TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL ACCORDING TO THE GENERAL CONDITIONS OF CONTRACT WELL IN TIME BEFORE COMMENCEMENT OF THAT WORK.
6. PROPER CO-ORDINATION OF ELECTRICAL WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.
7. ALL NON - CURRENT CARRYING PARTS i.e. OUTER CASINGS OF EQUIPMENT SUCH AS HT & LT PANELS, DISTRIBUTIONS BOARDS, CABLE TRAYS, AUXILIARY CONSTRUCTIONS FOR EQUIPMENT ETC. SHALL BE CONNECTED TO THE GROUNDING/ EARTHING SYSTEM AT REQUIRED NUMBER OF POINTS WITH SPECIFIED SIZES OF CONDUCTORS. WATER PIPES ALONG ELECTRICAL LINE SHALL BE BONDED TO THE EARTHING SYSTEM WITH 10 sq.mm. SINGLE CORE, COPPER CONDUCTOR PVC CABLE.
8. ELECTRICAL POINTS FOR EQUIPMENT SHALL BE INSTALLED IN CO-ORDINATION WITH THE RELEVANT DRAWINGS OF OTHER SERVICES, SUCH AS COMMUNICATION SYSTMS, HVAC, PLUMBING ETC. THE LOCATION ON ELECTRICAL DRAWINGS IS ONLY INDICATIVE.
9. ARRANGEMENT OF ELECTRICAL EQUIPMENTS ON ELECTRICAL DRAWINGS ARE TENTATIVE. EXACT ARRANGEMENT OF EQUIPMENTS SHALL BE MADE IN VIEW OF ITS PHYSICAL DIMENSIONS AND EASE OF MAINTENANCE. AND AS PER SITE REQUIREMENTS.
10. LOADS ON ALL PHASES SHALL BE BALANCED AT THE TESTING/ COMMISSIONING STAGE.
11. CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER OF TWO INCHES FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.
12. RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED SIZES AS PROTECTIVE EARTH CONDUCTOR (ECC) ALL ALONG LIGHT AND POWER WIRING. WHEREVER THE SIZE IS NOT SPECIFIED THE FOLLOWING CRITERIA SHALL BE OBSERVED TO DETERMINE MINIMUM CROSS SECTIONAL AREA OF EARTH CONTINUITY CONDUCTOR (ECC) IN RELATION TO THE AREA OF ITS PHASE CONDUCTORS. RUN SEPARATE ECC FOR EACH CIRCUIT.
 - ECC & PHASE CONDUCTOR OF SAME SIZE FOR UPTO AND INCLUDING 16 SQMM CABLES
 - 16 SQMM ECC FOR PHASE CONDUCTOR OF 16 SQMM, 25SQMM & 35 SQMM CABLES
 - FOR CABLES OF 50 SQMM AND ABOVE SIZES, ECC IS HALF SIZE OF PHASE CONDUCTOR.
 - MAXIMUM SIZE OF ECC IS 70 SQMM.

ELECTRICAL SYSTEMS

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

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

14. NORMAL & EMERGENCY CIRCUITS SHALL RUN IN SEPARATE CONDUITS.
 15. ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED VOLTAGE GRADE AND SIZES.
 16. THE WIRING SHALL BE CONTINUOUS LOOPING-IN TYPE AND NO JOINT IN WIRES SHALL BE ALLOWED.
 17. THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION.
 18. MOUNTING HEIGHTS OF ELECTRICAL FITTINGS WHEN MEASURED FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF FITTINGS SHALL BE AS UNDER, UNLESS OTHERWISE SHOWN OR INSTRUCTED.
- | | |
|--|-------------------|
| MAIN SWITCH BOARD | 48 INCHES |
| DISTRIBUTION BOARD | 48 INCHES |
| CONTROL PANEL | 48 INCHES |
| ON/OFF PUSH BUTTUN STATION | 48 INCHES |
| DIMMER CONTROL UNIT | 48 INCHES |
| LIGHT CONTROL SWITCH (ONE WAY/TWO WAY) | 48 INCHES |
| 5A SOCKET OUTLETS IN GENERAL AREAS | 10 INCHES |
| 15A SOCKET OUTLETS IN GENERAL AREAS | 10 INCHES |
| 20A SOCKET OUTLETS IN GENERAL AREAS | 10 INCHES |
| 15A SOCKET OUTLETS IN KITCHEN (ABOVE COUNTER) | 10 INCHES |
| 15A SOCKET OUTLETS IN TOILETS | 66 INCHES |
| 16A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS. | 48 INCHES |
| 32A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS | 48 INCHES |
| 63A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS. | 48 INCHES |
| CEILING FAN | 96 INCHES |
| WALL FAN | 84 INCHES |
| EXHAUST FAN | REFER ARCH. DRGS. |

COMMUNICATION SYSTEMS

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

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



NEW VISION ENGINEERING CONSULTANT

Head Office: Office No B-6 Second Floor Masood Arcade
IJP Road Islamabad.

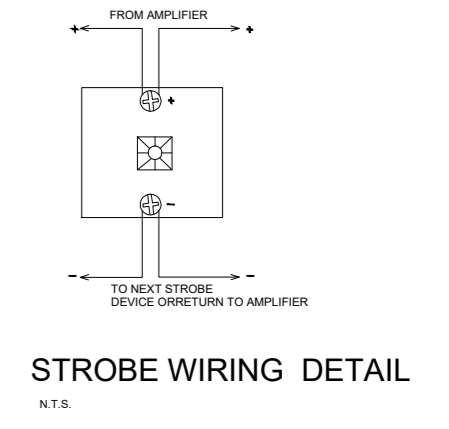
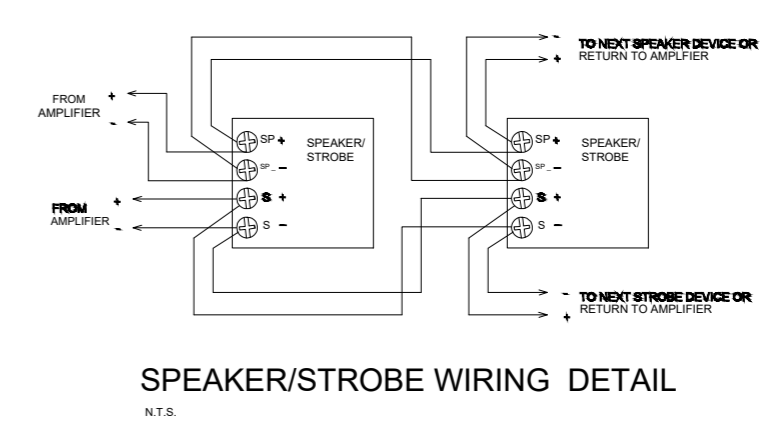
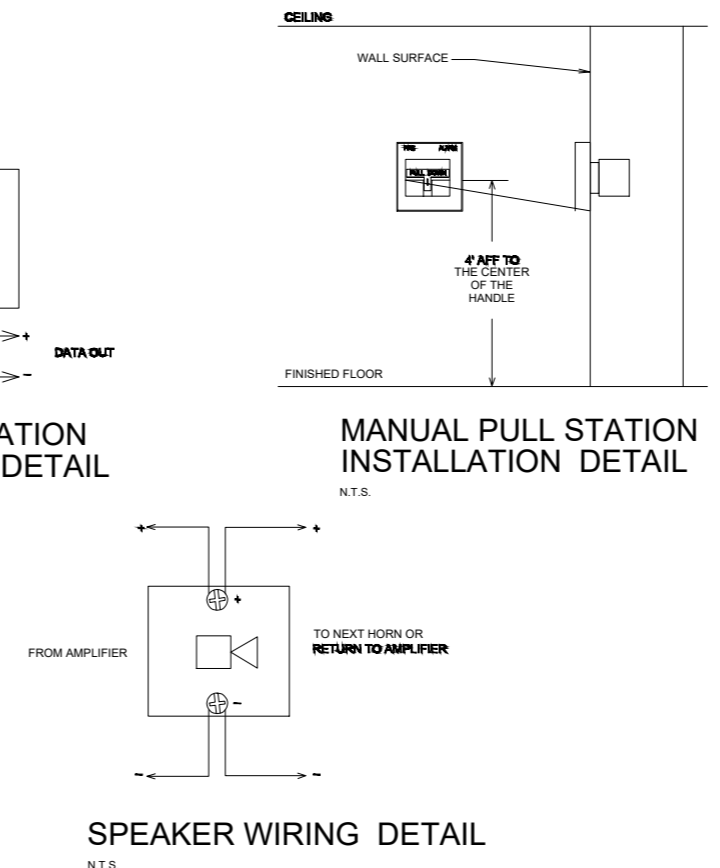
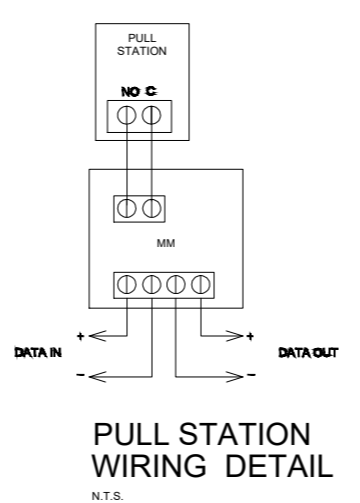
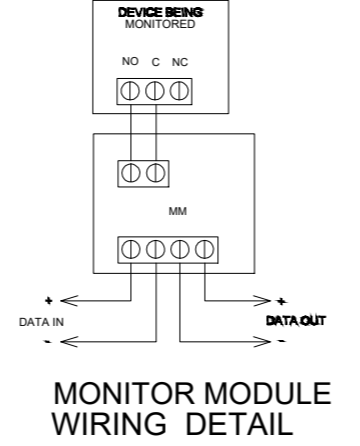
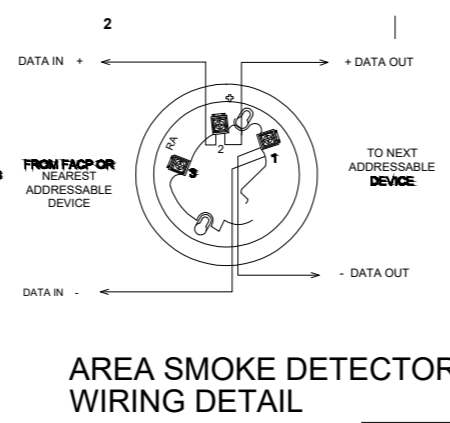
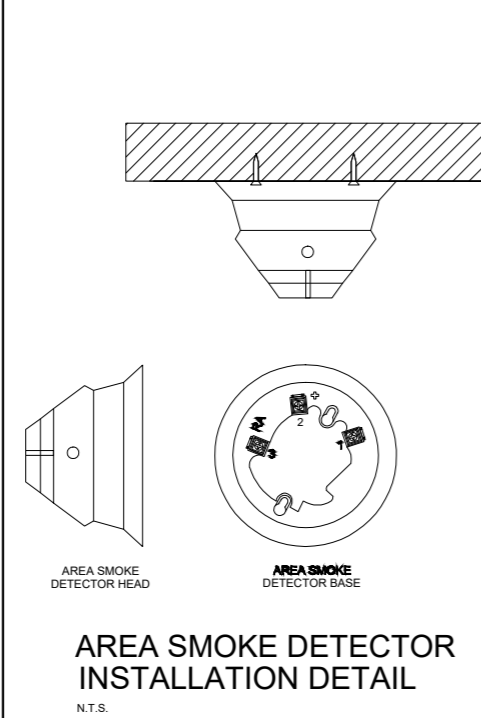
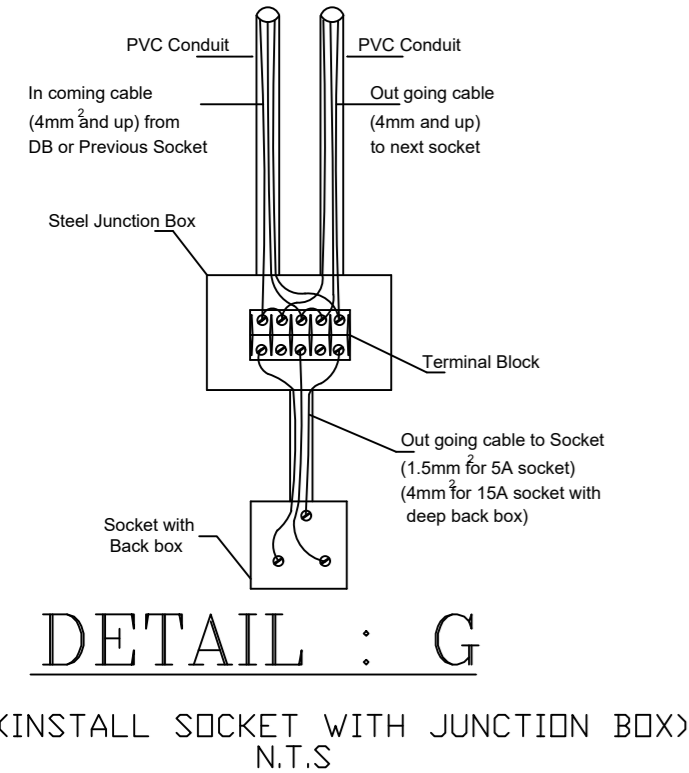
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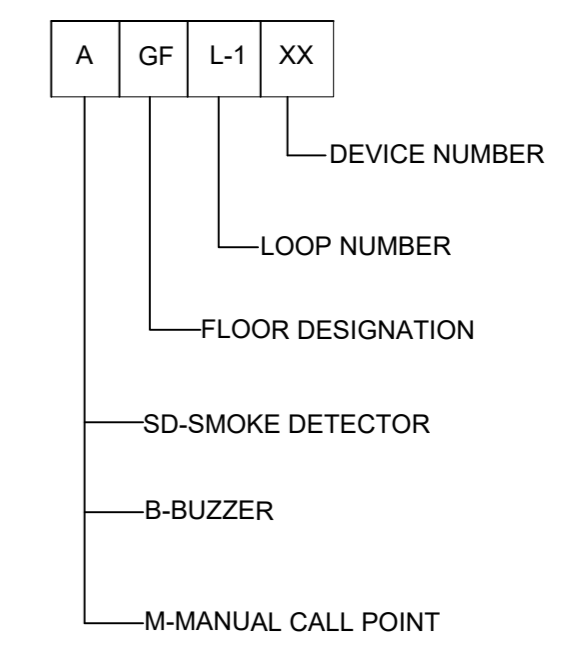
PROJECT: UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO	CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE: LUMHS ACADEMIC BLOCK GENERAL NOTES	DESIGNED BY: ENGR. SHADAB
CAD filename:	APPROVED BY: A.S
	DATE: APRIL, 2024
	DRAWN BY: ENGR. AHMAD
	JOB NO.
	SCALE: N.T.S
	DRG. NO.
	EL-01

DETAIL : A-2(a)

FIRE ALARM AND PUBLIC ADDRESS SYSTEM COMPONENT CONNECTION DETAIL.



DETAIL : H



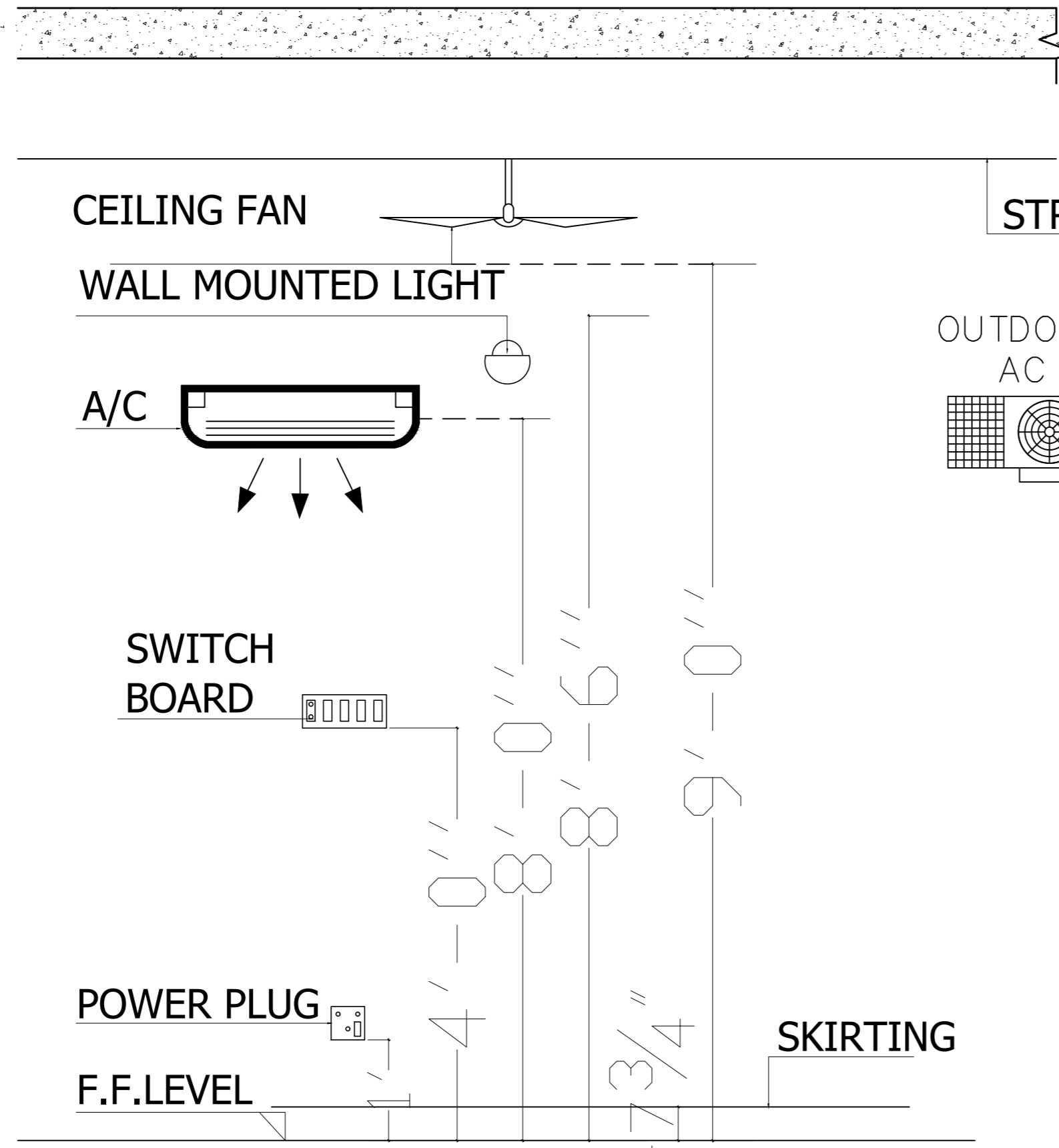
NOTES:
Location of FACP & Integration with existing Fire Alarm System if existed to be decided as per site requirements & as per approval of the Client's Representative.

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

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PROJECT: **UPGRADING AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 TITLE: **LUMHS ACADEMIC BLOCK FIRE ALAM TYPICAL DETAIL**
 CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**
 DESIGNED BY: ENGR. SHADAB
 APPROVED BY: A.S
 DATE: APRIL, 2024
 DRAWN BY: ENGR. AHMAD
 JOB NO.
 SCALE: N.T.S
 DRG. NO.
 EL-02

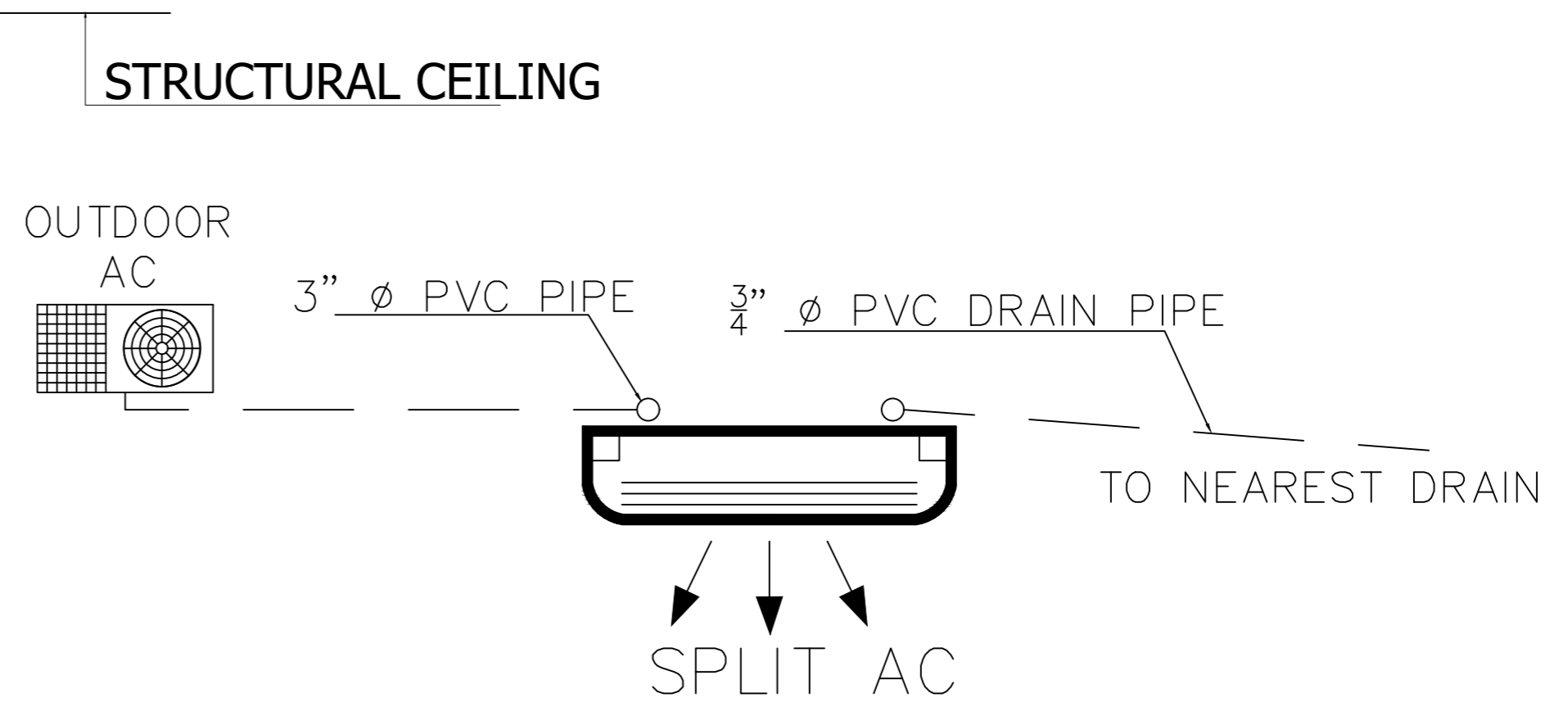


DETAIL-S1

MOUNTING HEIGHT OF FIXTURE DETAIL

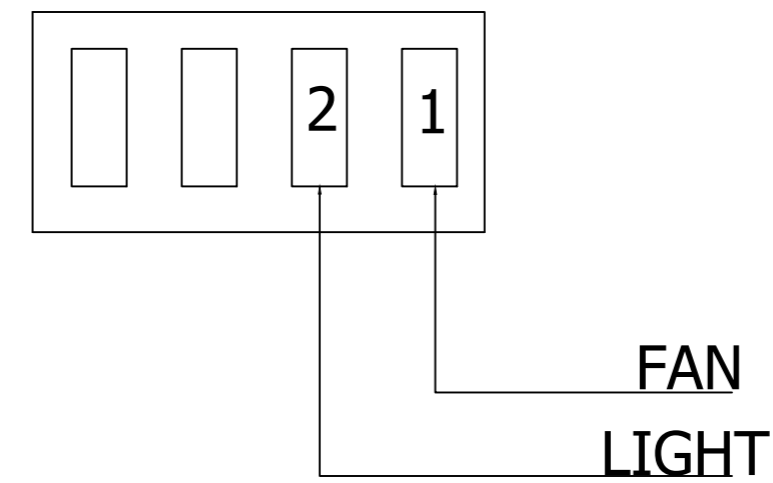
NOTE:

LOCATION OF ACs INDOOR, OUTDOOR UNIT AND ACs POWER SOCKETS IN APARTMENTS AREA ARE TENTATIVE SUBJECT TO FINAL FINISHING DETAIL DECIDED BY CLIENT, ARCHITECT IN CHARGE AND CONCERNED SITE ENGINEER



DETAIL-Z1

TYPICAL AC INDOOR AND OUTDOOR UNIT DETAILS



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



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PROJECT:
**UPGRADATION AND IMPROVEMENT OF PEOPLE
NURSING SCHOOL, LIAQUAT UNIVERSITY OF
MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE:
**LUMHS ACADEMIC BLOCK
MOUNTING HEIGHT OF
FIXTURE DETAIL**

CAD filename:

CLIENT:
**LIAQUAT UNIVERSITY OF MEDICAL & HEALTH
SCIENCE JAMSHORO**

DESIGNED BY:
ENGR. SHADAB

APPROVED BY:
A.S

DATE:
APRIL, 2024

DRAWN BY:
ENGR. AHMAD















JOB NO.

SCALE:
N.T.S




DRG. NO.

EL-03

LIGHTING AND POWER

S.NO	SYMBOLS	DESCRIPTION
1		24 WATT LED/SMD LIGHT FIXTURE OR EQUIVALENT
2		18 WATT LED LIGHT FIXTURE SURFACE/RECESSED MOUNTED OR EQUIVALENT.
3		12 WATT LED LIGHT FIXTURE SURFACE/RECESSED MOUNTED, IP-44 RATED OR EQUIVALENT.
4		10 " DIA EXHAUST FAN WITH PLASTIC BODY,FAN BLADES AND LOUVERS
5		48" OR 56" DIA CEILING FAN
6		INDICATES GANG TYPE SWITCH 10 AMPS, INDICATES NUMBER OF SWITCHES ON SWITCH PLATE
7		INDICATES 3 PIN COMBINED SWITCH SOCKET 10-13 AMPS, ON PLASTIC BACK BOX
8		COMPUTER SOCKET OUTLET RJ45
9		INDICATES ROUND PIN 15 AMPS SOCKET, ON PLASTIC BACK BOX
10		20 Watt Flood Light
11		DISTRIBUTION BOARD(DB-XXX) XXX-DENOTES NAME
12		A.C 40 TP AMPS SWITCH & Unit (4 Ton)
13		A.C 20 SP AMPS SWITCH & unit(2 Ton)
14		Data cabinet

FIRE ALARM SYSTEM

S.NO	SYMBOLS	DESCRIPTION
1		FIRE ALARM CONTROL PANEL
2		SMOKE DETECTOR NON IONISATION TYPE.
3		MANUAL STATION & ALARM SOUNDER

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



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PROJECT:
**UPGRADATION AND IMPROVEMENT OF PEOPLE
NURSING SCHOOL, LIAQUAT UNIVERSITY OF
MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE:
**LUMHS ACADEMIC BLOCK
LEGEND AND SYMBOLS**

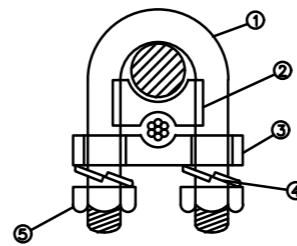
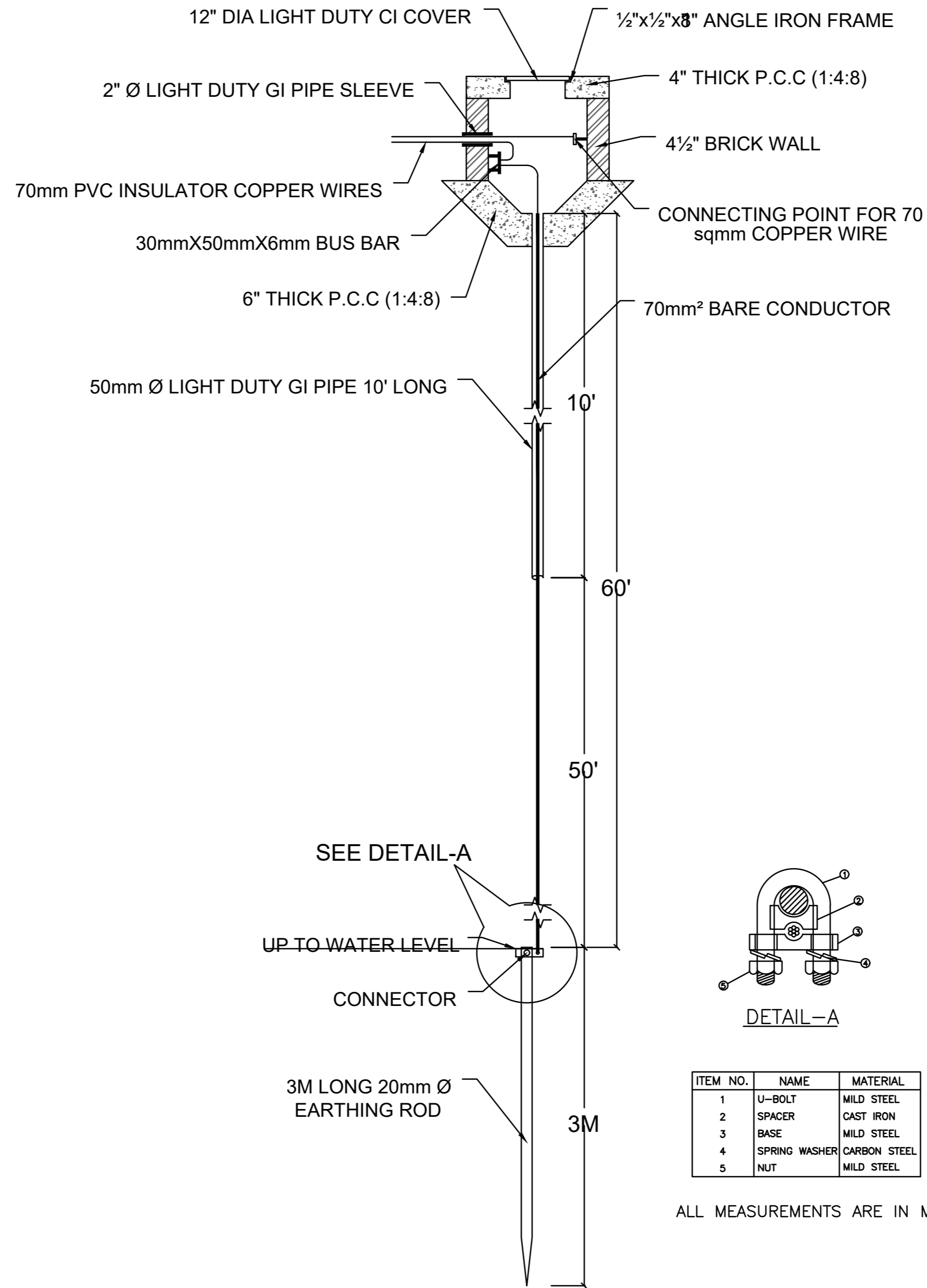
CAD filename:

CLIENT:
**LIAQUAT UNIVERSITY OF MEDICAL & HEALTH
SCIENCE JAMSHORO**

DESIGNED BY: ENGR. SHADAB APPROVED BY: A.S DATE: APRIL, 2024

DRAWN BY: ENGR. AHMAD JOB NO. SCALE: N.T.S

DRG. NO. EL-04



ITEM NO.	NAME	MATERIAL
1	U-BOLT	MILD STEEL
2	SPACER	CAST IRON
3	BASE	MILD STEEL
4	SPRING WASHER	CARBON STEEL
5	NUT	MILD STEEL

ALL MEASUREMENTS ARE IN MM

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



NEW VISION ENGINEERING CONSULTANT

Head Office: Office No B-6 Second Floor Masood Arcade
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PROJECT:
**UPGRADATION AND IMPROVEMENT OF PEOPLE
NURSING SCHOOL, LIAQUAT UNIVERSITY OF
MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE:
**LUMHS ACADEMIC BLOCK
EARTHING DETAIL**

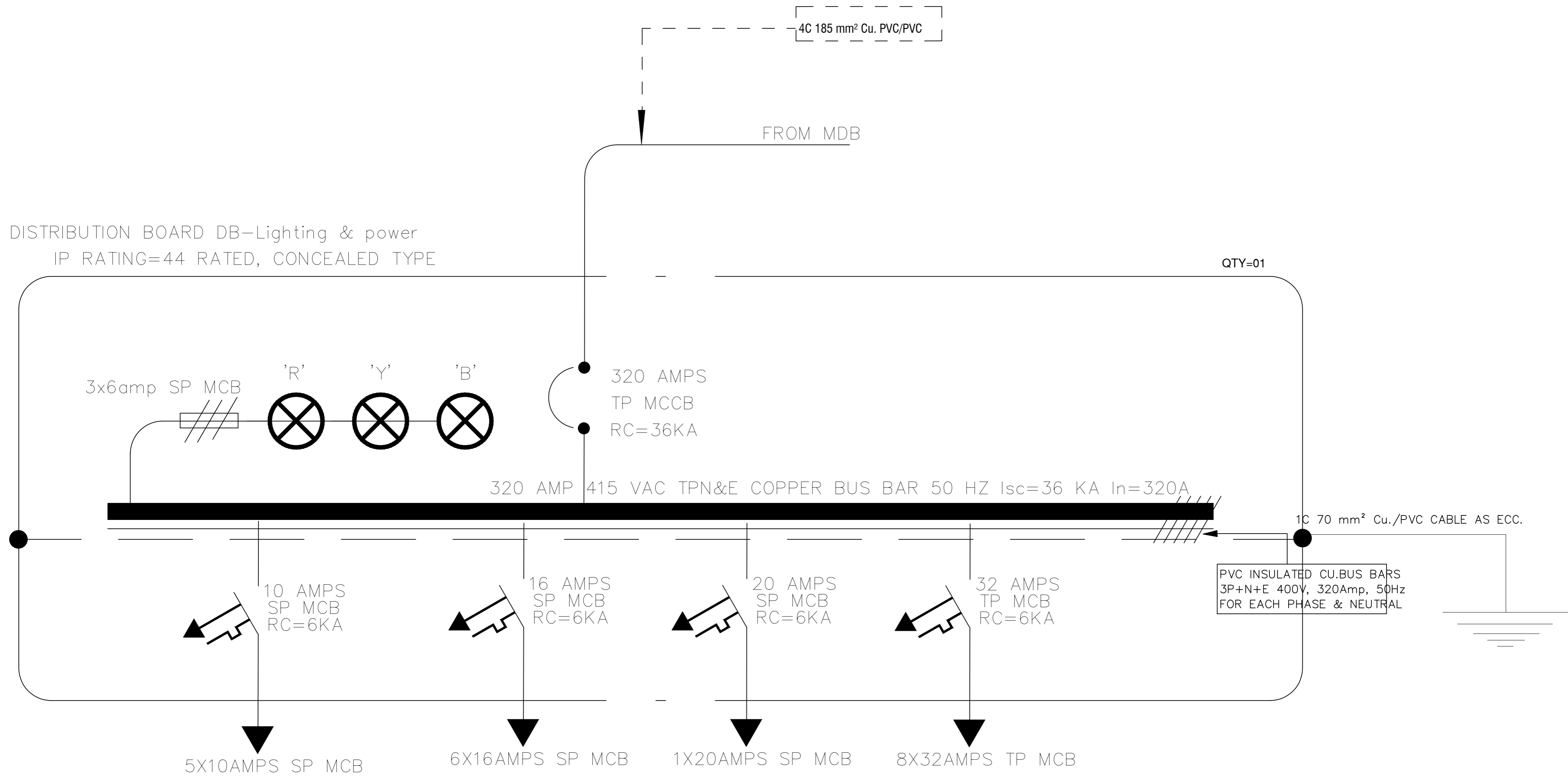
CAD filename:

CLIENT:
**LIAQUAT UNIVERSITY OF MEDICAL & HEALTH
SCIENCE JAMSHORO**

DESIGNED BY: ENGR. SHADAB
APPROVED BY: A.S
DATE: APRIL, 2024

DRAWN BY: ENGR. AHMAD
JOB NO.
SCALE: N.T.S

DRG. NO. EL-05



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

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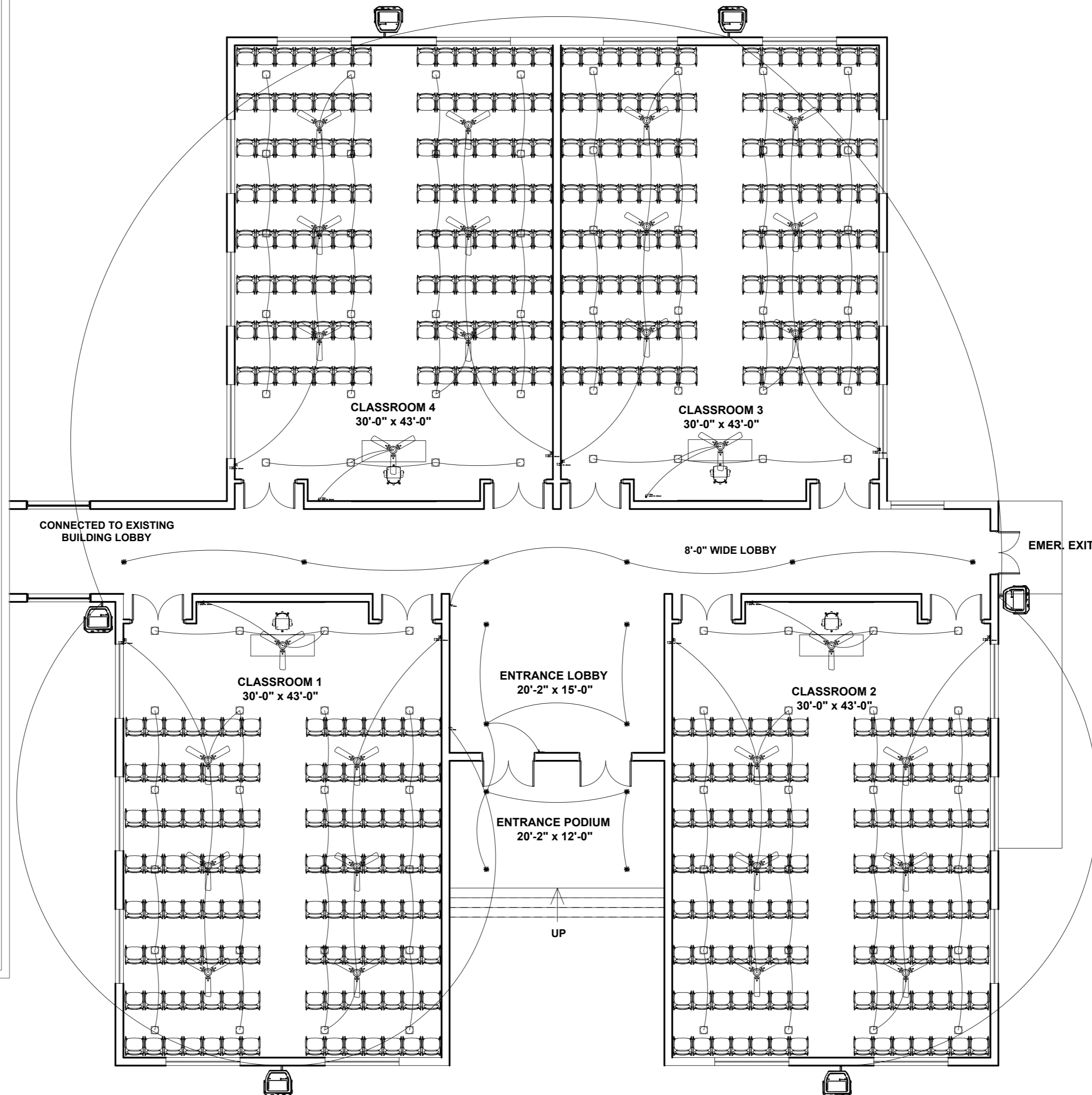
PROJECT:
**UPGRADATION AND IMPROVEMENT OF PEOPLE
NURSING SCHOOL, LIAQUAT UNIVERSITY OF
MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE:
**LUMHS ACADEMIC BLOCK
DISTRIBUTION BOARD DB-LIGHTING &
POWER**

CAD filename:

CLIENT:
**LIAQUAT UNIVERSITY OF MEDICAL & HEALTH
SCIENCE JAMSHORO**

DESIGNED BY: ENGR. SHADAB	APPROVED BY: A.S	DATE: JAN, 2024
DRAWN BY: ENGR. AHMAD	JOB NO.	SCALE: N.T.S
DRG. NO.		EL-06




COVERED AREA = 6,677 sq.ft
GROUND FLOOR PLAN

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

NEW VISION ENGINEERING CONSULTANT

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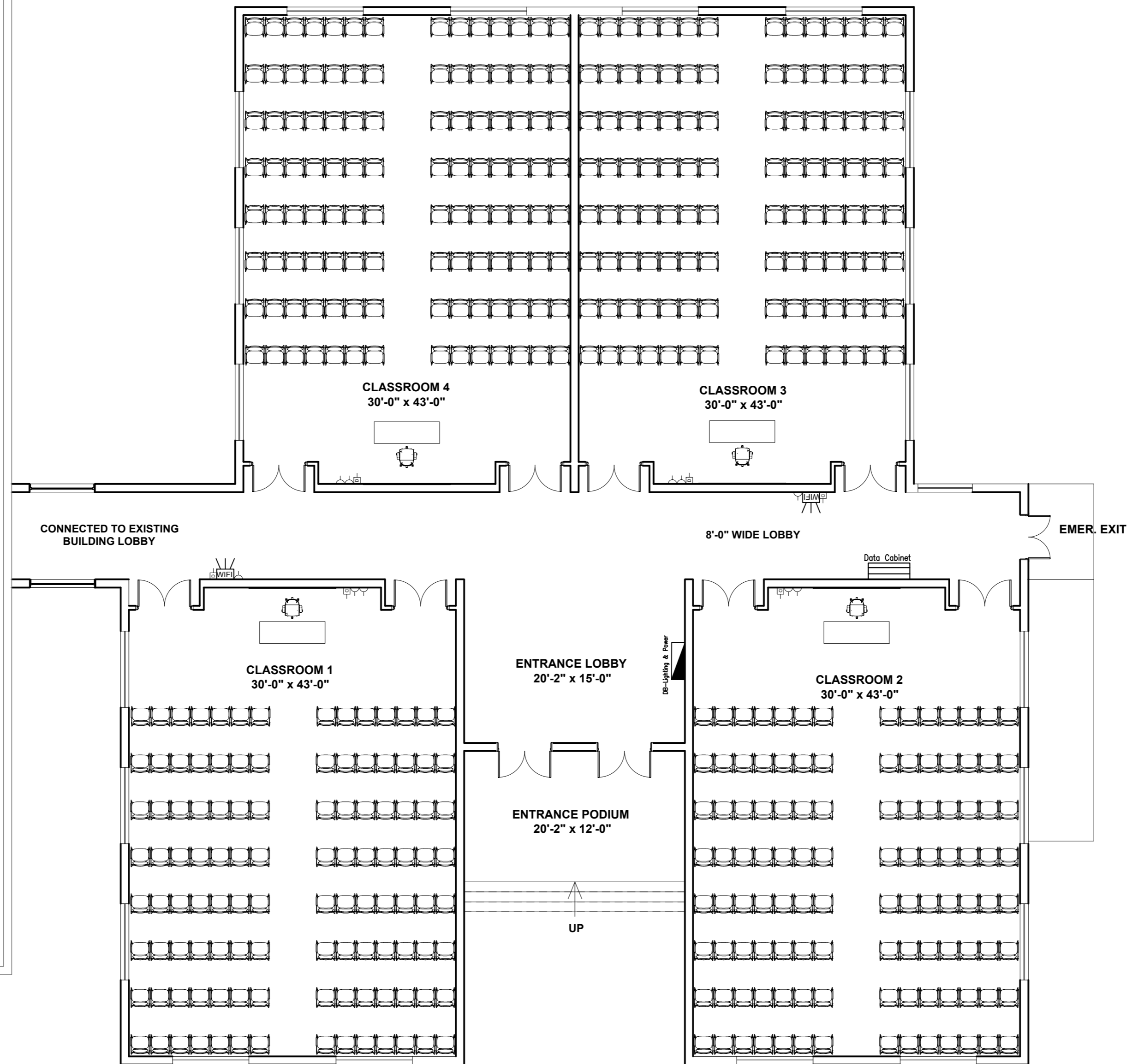


PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE: **LUMHS ACADEMIC BLOCK LIGHTING LAYOUT**

CAD filename:

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGR. SHADAB	APPROVED BY: A.S	DATE: JAN, 2024
DRAWN BY: ENGR. AHMAD	JOB NO.	SCALE: N.T.S
DRG. NO.	EL-07	



COVERED AREA = 6,677 sq.ft
GROUND FLOOR PLAN

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



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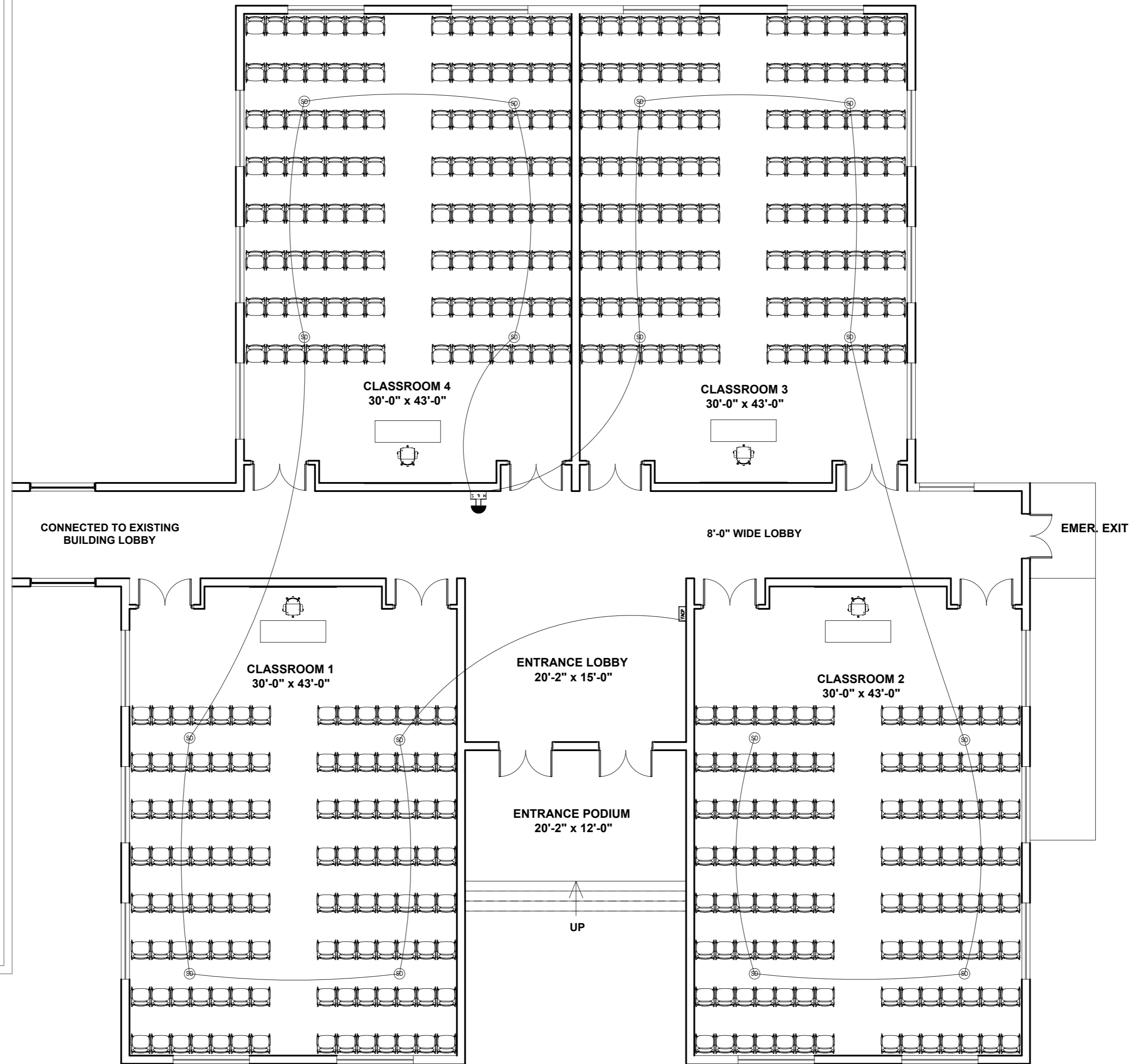
PROJECT: **UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

TITLE: **LUMHS ACADEMIC BLOCK
POWER LAYOUT**

CAD filename:

CLIENT: **LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO**

DESIGNED BY: ENGR. SHADAB	APPROVED BY: A.S	DATE: APRIL, 2024
DRAWN BY: ENGR. AHMAD	JOB NO.	SCALE: N.T.S
DRG. NO.		EL-08



COVERED AREA = 6,677 sq.ft
GROUND FLOOR PLAN

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



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PROJECT:	UPGRADATION AND IMPROVEMENT OF PEOPLE NURSING SCHOOL, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO
TITLE:	LUMHS ACADEMIC BLOCK FIRE ALARM SYSTEM LAYOUT
CAD filename:	

CLIENT: LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCE JAMSHORO		
DESIGNED BY: ENGR. SHADAB	APPROVED BY: A.S	DATE: APRIL, 2024
DRAWN BY: ENGR. AHMAD	JOB NO.	SCALE: N.T.S
DRG. NO.	EL-09	