

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

TENDER DRAWINGS
JULY, 2023

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

ARCHITECTURAL
TENDER DRAWINGS
JULY, 2023

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Baba-e-Urdu Road, Karachi, Pakistan.

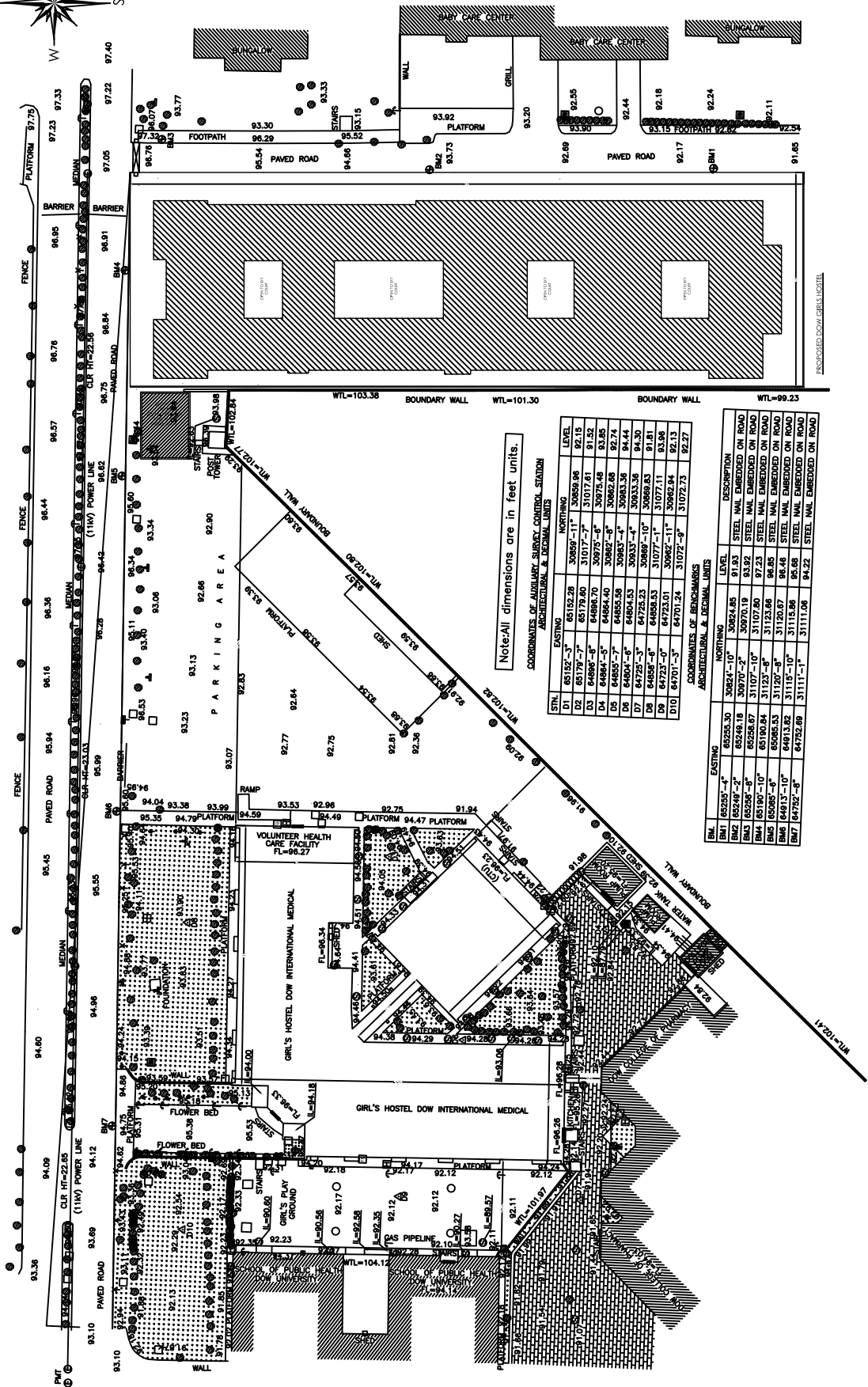
GIRLS HOSTEL

DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI

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ARCHITECTURAL

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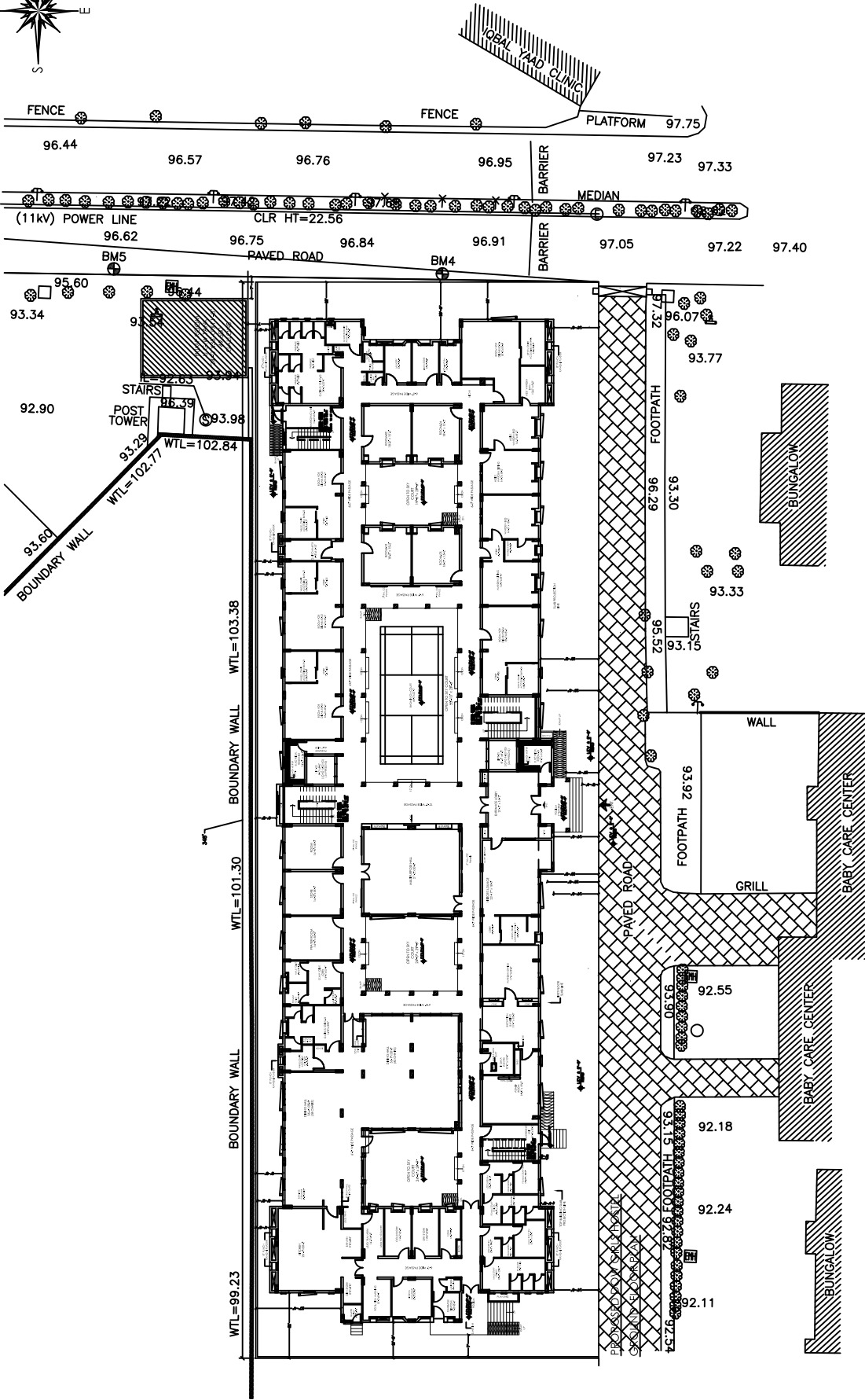
Note: All dimensions are in feet units.
 COORDINATES OF AUXILIARY SURVEY CONTROL STATION
 ARCHITECTURAL & DECIMAL LINES

BNL	EASTING		NORTHING		LEVEL	DESCRIPTION
	1	2	1	2		
01	65152.3	30859.7	31017.7	30859.0	92.15	STEEL NAIL EMBEDDED ON ROAD
02	65179.80	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
03	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
04	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
05	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
06	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
07	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
08	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
09	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD
10	64884.8	30975.8	30882.68	30933.36	92.18	STEEL NAIL EMBEDDED ON ROAD

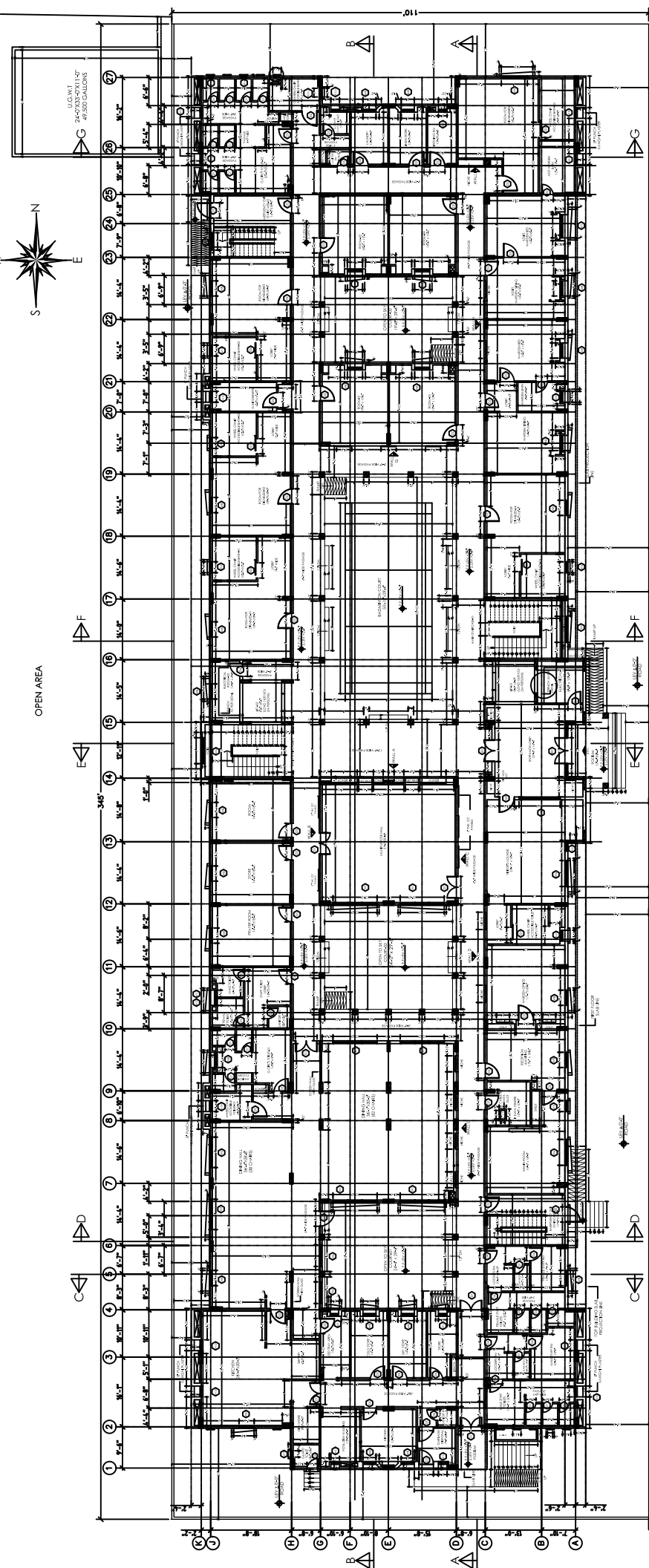
BNL	EASTING		NORTHING		LEVEL	DESCRIPTION
	1	2	1	2		
BN1	65225.30	30824.10	30824.05	31071.19	92.15	STEEL NAIL EMBEDDED ON ROAD
BN2	65225.30	30824.10	30824.05	31071.19	92.15	STEEL NAIL EMBEDDED ON ROAD
BN3	65225.30	30824.10	30824.05	31071.19	92.15	STEEL NAIL EMBEDDED ON ROAD
BN4	65190.10	31125.8	31125.8	31125.8	92.15	STEEL NAIL EMBEDDED ON ROAD
BN5	65085.53	31125.8	31125.8	31125.8	92.15	STEEL NAIL EMBEDDED ON ROAD
BN6	64913.82	31115.10	31115.10	31115.10	92.15	STEEL NAIL EMBEDDED ON ROAD
BN7	64752.8	31111.1	31111.1	31111.1	92.15	STEEL NAIL EMBEDDED ON ROAD

PROPOSED DRAIN GIRLS HOSTEL

<p>PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI</p>	<p>TITLE: MASTER PLAN STATUS: TENDER DRAWING</p>	<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION										<p>DATE: JULY -2023 SCALE: N.T.S.</p>
NO.	DATE	DESCRIPTION													
<p>PROJECT NO.: 1915</p>			<p>SHEET NO.: A-001</p>												



PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	PROJECT NO.	1915
	SHEET NO.	A-01
TITLE: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI	DATE:	JULY -2023
	SCALE:	N.T.S
STATUS: TENDER DRAWING	REVISIONS:	
	NO.	DESCRIPTION



GROUND FLOOR PLAN

NOTE: WINDOW PROJECTIONS ARE DIFFERENT ON GROUND FLOOR

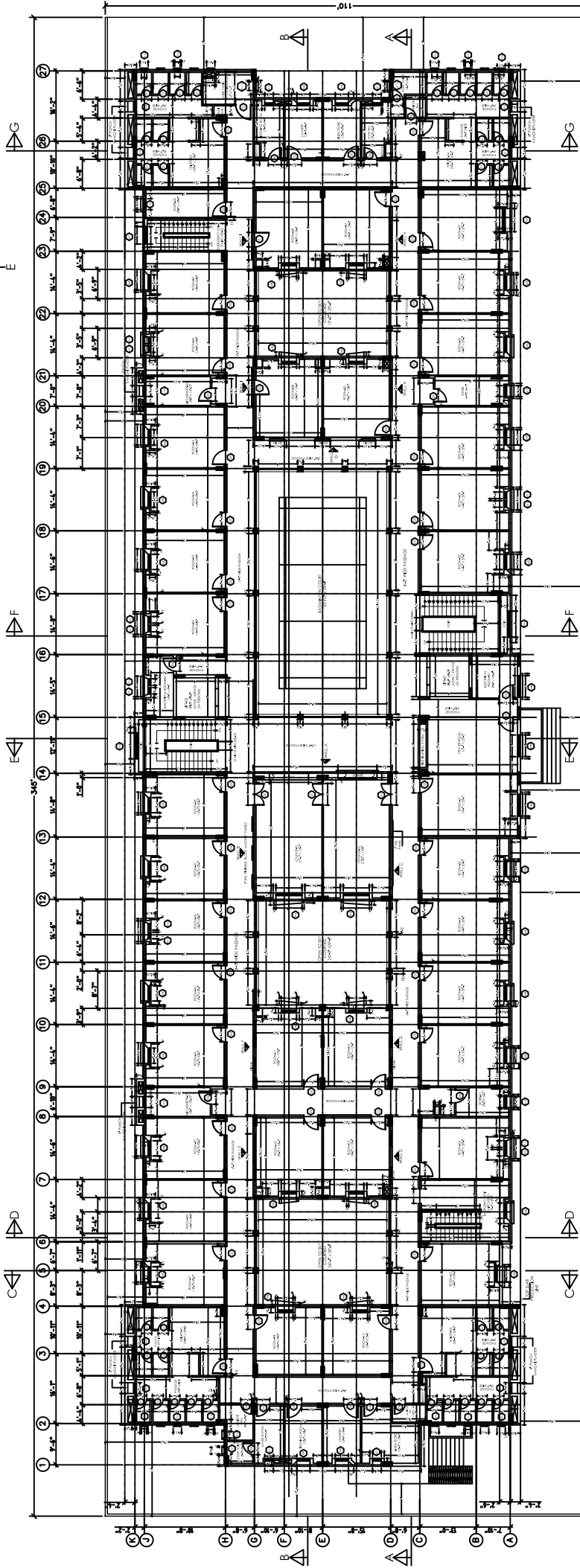
PAVED ROAD

- NOTES:**
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS/OMISSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL WORKS SHALL BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDES FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	TITLE: WORKING LAYOUT PLAN STATUS: TENDER DRAWING		REVISED:	DATE: JULY -2023	PROJECT NO: 1715
			SCALE: 1/8" = 1'-0"	SHEET NO: A-01a	



OPEN AREA



FIRST FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

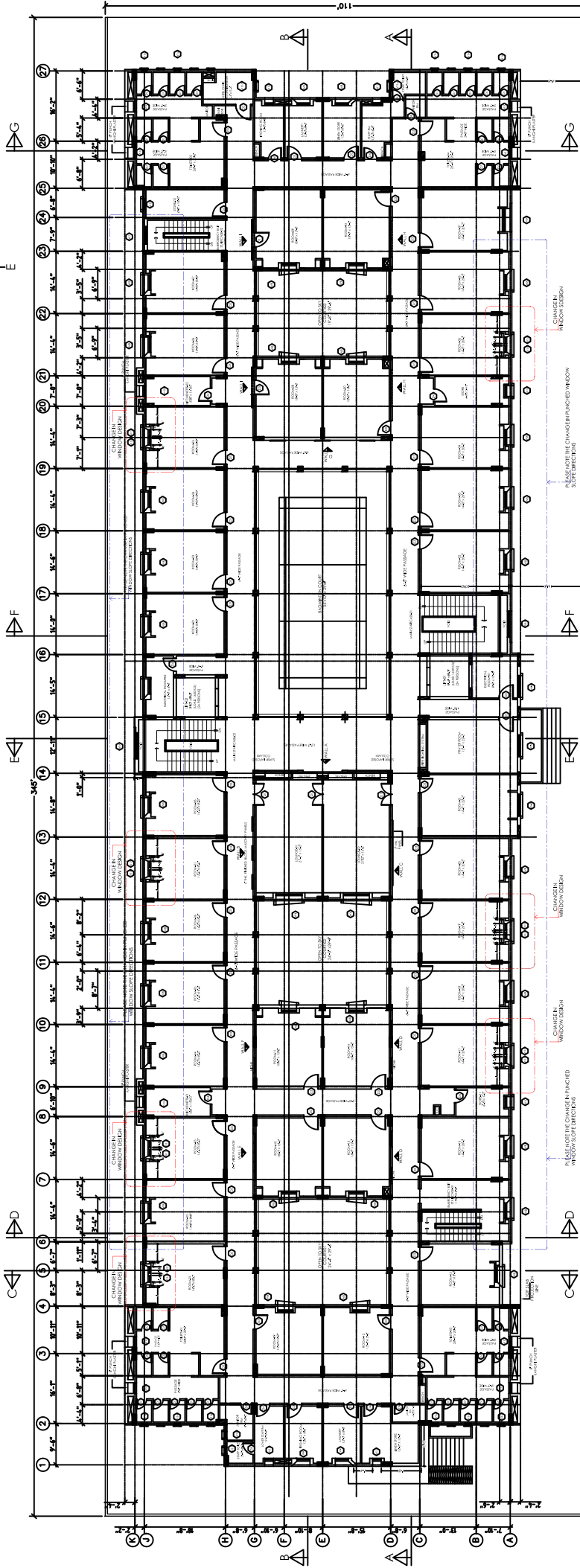
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS IN ACCORDANCE WITH THE CONSULTANTS' DIRECTIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL WORK SHALL BE IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE 5' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	TITLE: WORKING LAYOUT PLAN STATUS: TENDER DRAWING	REVISION:	DATE:	PROJECT NO.:
		NO. IN	DATE	1715
		NO. OUT	SCALE:	SHEET NO.:
			1/8" = 1'-0"	A-01b



OPEN AREA



SECOND FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

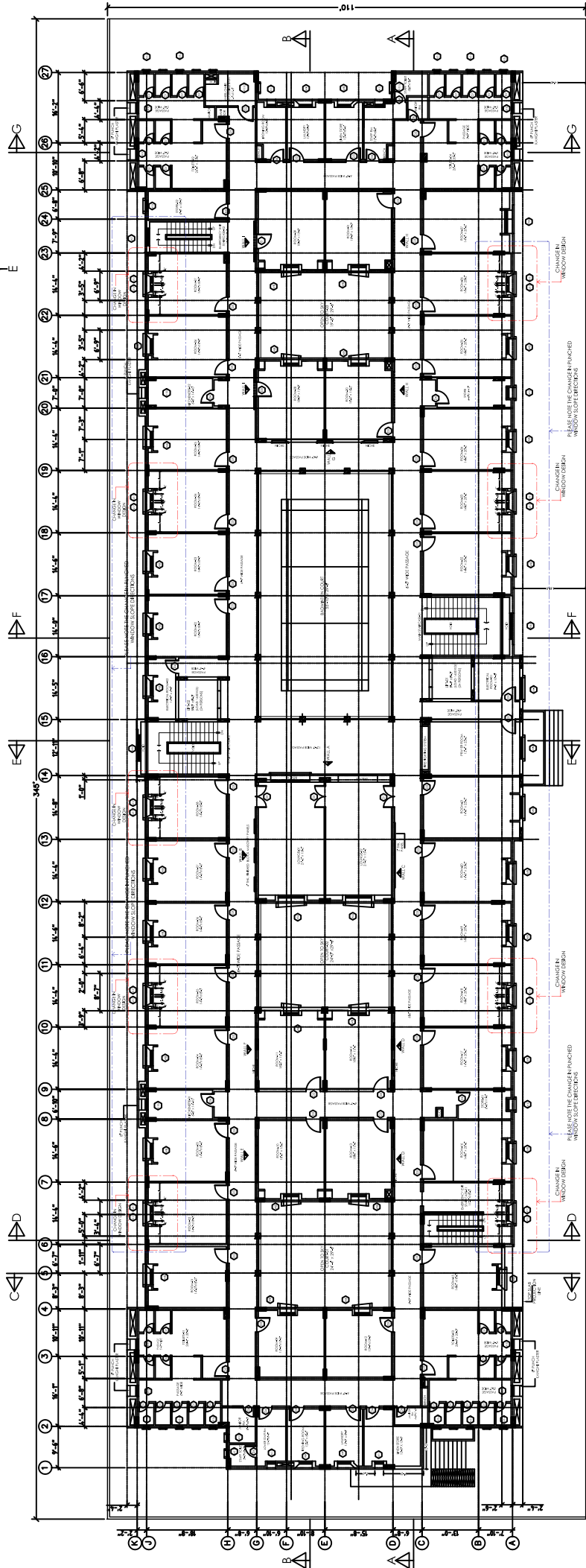
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS IN ACCORDANCE TO THE CONSULTANTS' COMMENTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. HEAD AND SECTION INCLUDE ACTION WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE 5' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	REVISIONS:	DATE:	PROJECT NO.:
	NO. DATE DESCRIPTION	JULY -2023	1715
TITLE: WINDOW LAYOUT PLAN	REVISED:	SCALE:	SHEET NO.:
	STATUS: TENDER DRAWING	1/8" = 1'-0"	A-01C



OPEN AREA



THIRD FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

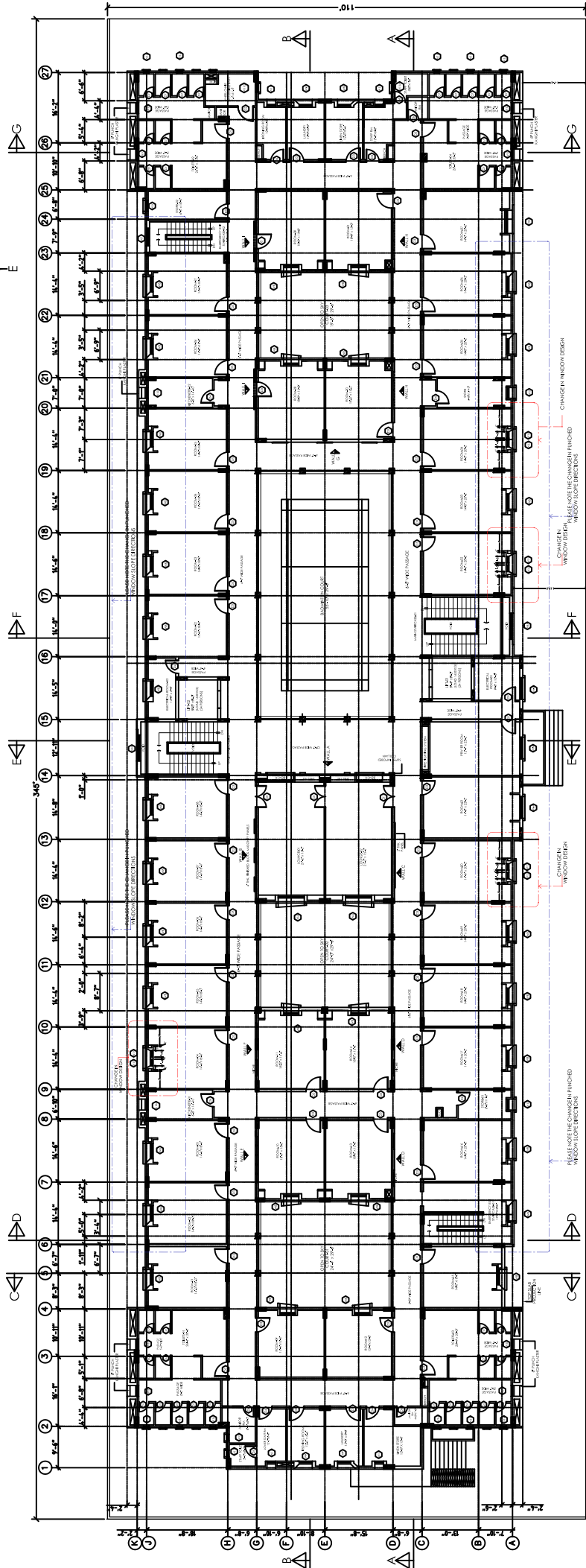
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS AS PER INSTRUCTIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL WORK SHALL BE IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE S' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	TITLE: WINDOW LAYOUT PLAN		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-01d
REVISIONS:	NO.	DATE	DESCRIPTION	



OPEN AREA



FOURTH FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

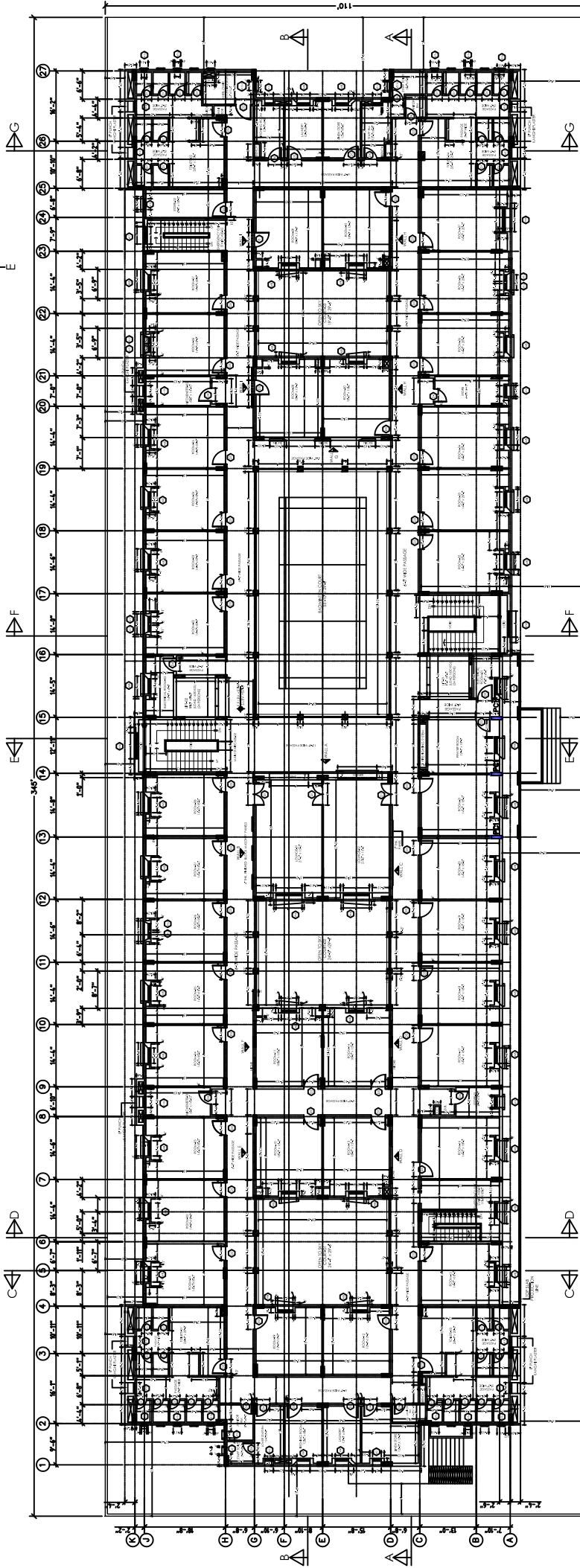
PAVED ROAD

- NOTES:**
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 3. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. REPAIR AND CORRECT ALL THE ACTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 5' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	PROJECT:	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI		
	TITLE:	WINDOW LAYOUT PLAN		
REVISIONS:	DATE:	JULY -2023	PROJECT NO:	1715
	SCALE:	1/8" = 1'-0"	SHEET NO:	A-01e



OPEN AREA



FIFTH FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

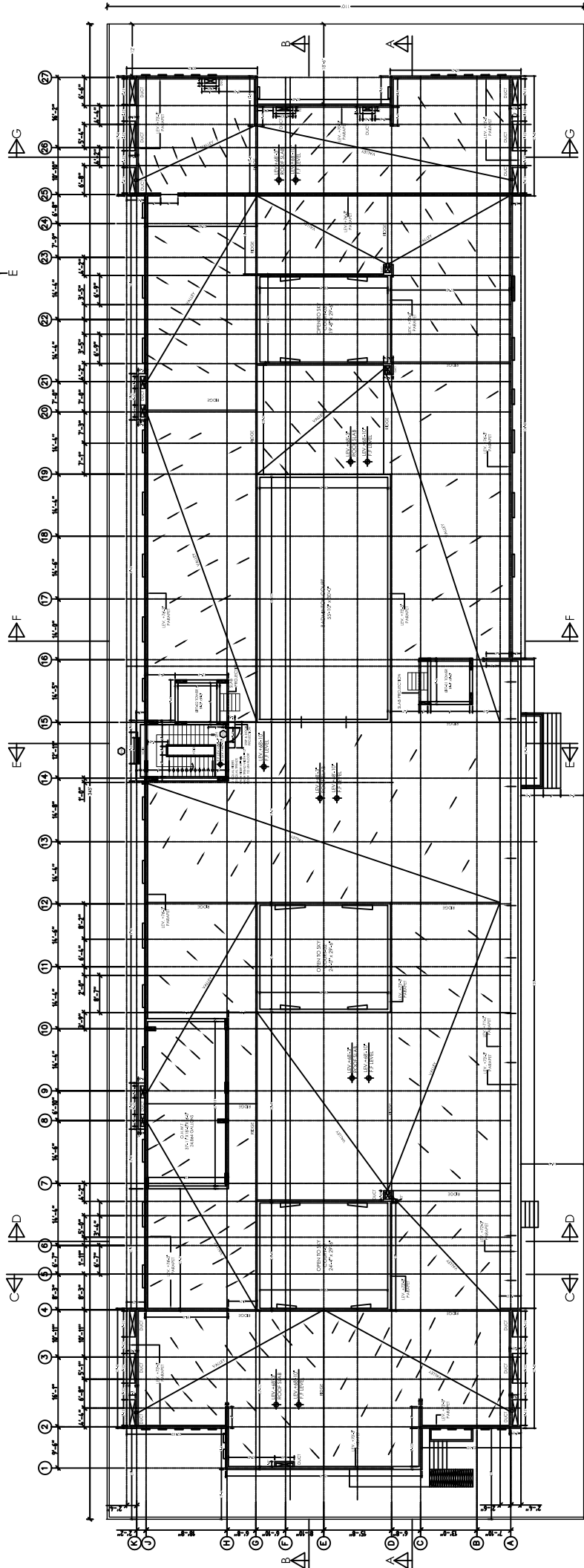
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS AS PER DISCUSSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL THE WORK SHALL BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDES FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	TITLE: WORKING LAYOUT PLAN		DATE: JULY -2023	PROJECT NO: 1715
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REVISIONS:	NO.	DATE	DESCRIPTION	



OPEN AREA



PAVED ROAD

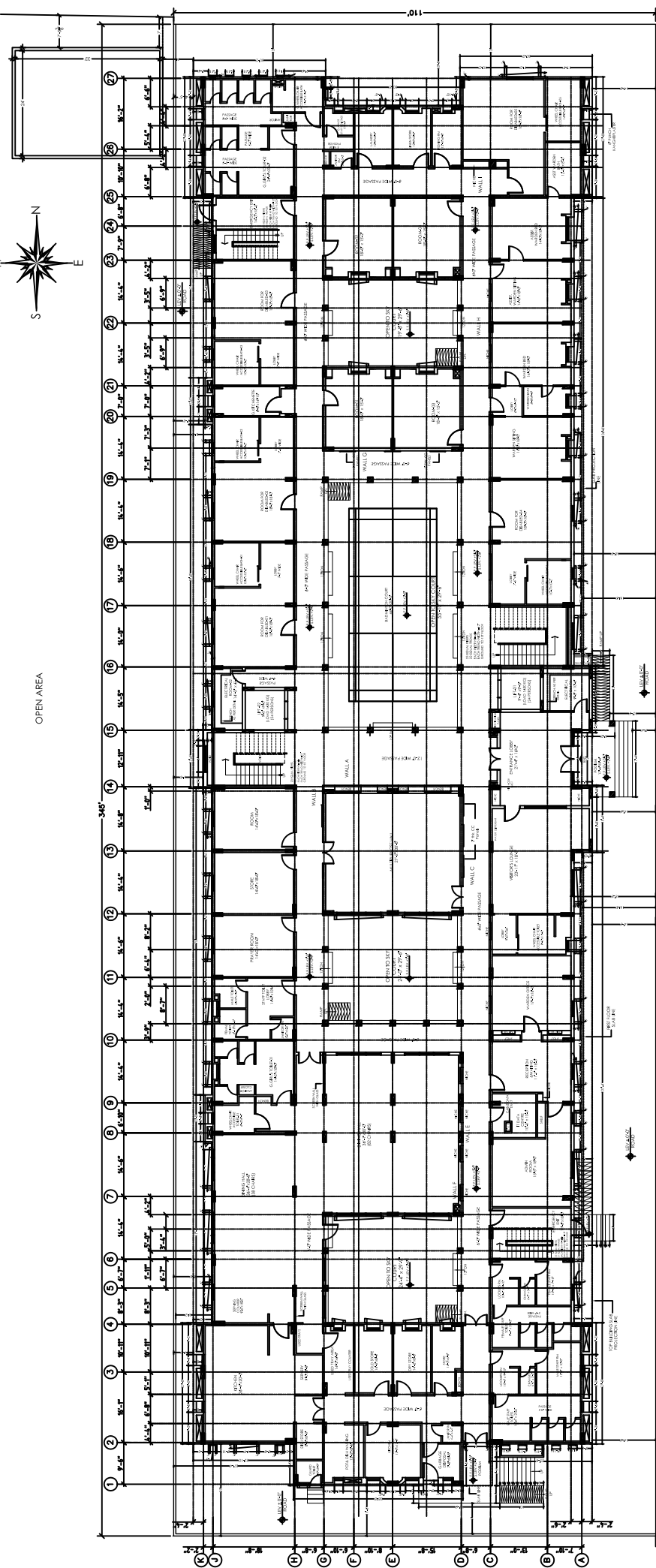
ROOF PLAN

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS MENTIONED TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL THE WORK SHALL BE IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE S' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urou Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI	DATE:	PROJECT NO:
		JULY -2023	1715
REVISIONS:	SCALE:	1/8" = 1'-0"	SHEET NO:
			A-01g
TITLE: WORKING LAYOUT PLAN		STATUS: TENDER DRAWING	



OPEN AREA



GROUND FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

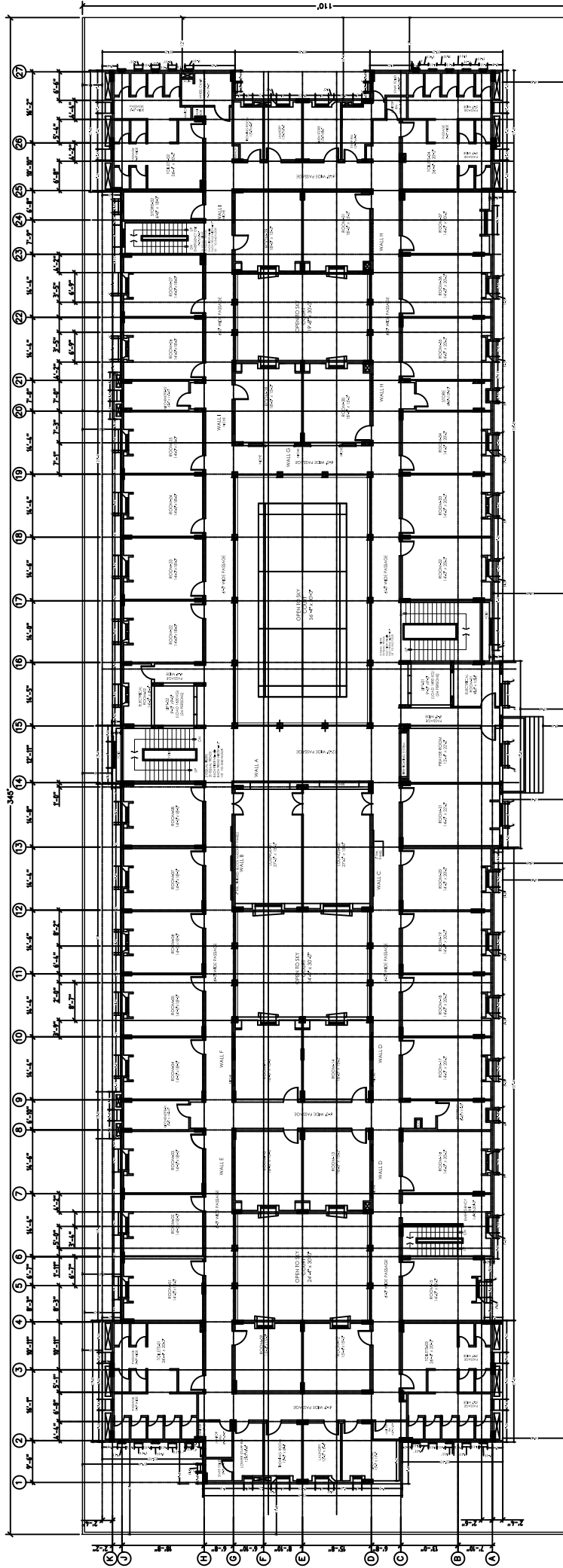
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS POINTIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. PEAKS AND CORNER CONNECTION WITH OTHER RELATED DRAWINGS.
 7. PANS AND SECTIONS INCLUDE 5' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Baboe-Urtu Road, Karachi, Pakistan.	TITLE: OUTER WORKING LAYOUT PLAN	DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING	SCALE: 1/8" = 1'-0"	SHEET NO: A-01h
REVISIONS:			
REVISED:			



OPEN AREA



FIRST FLOOR PLAN

NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

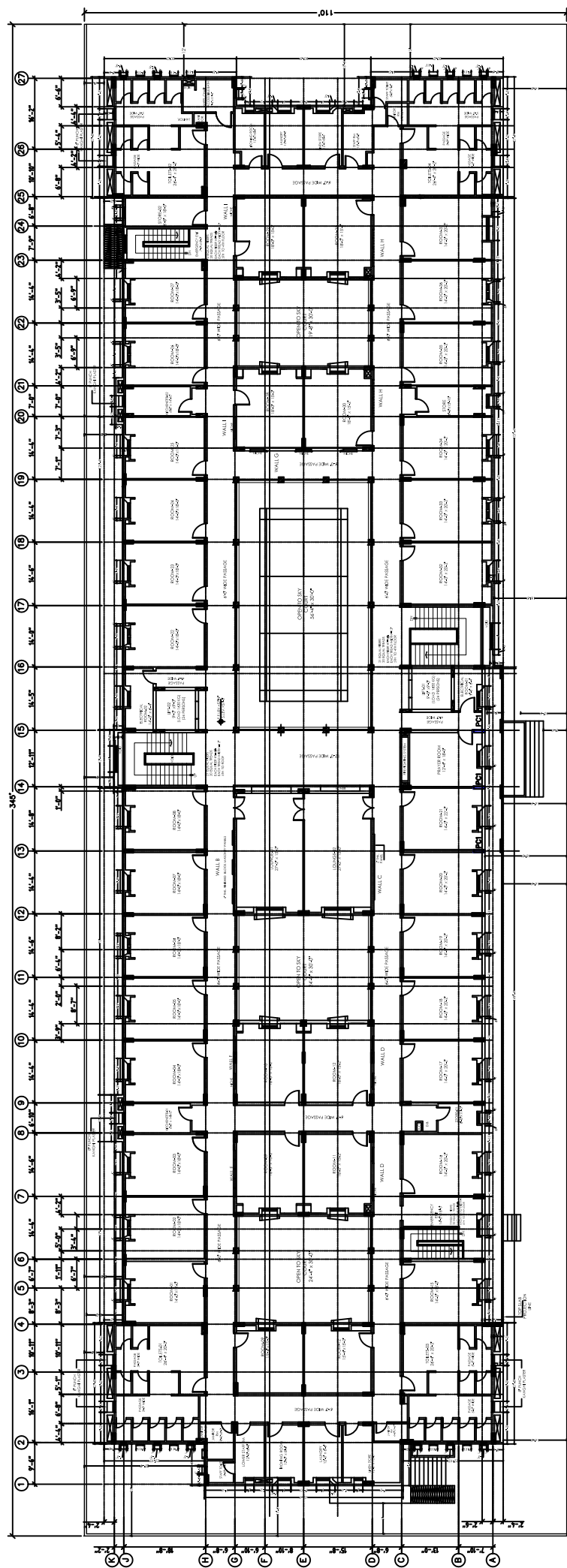
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE CONDITIONS.
 2. CORRECT ALL THE ERRORS MENTIONED TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
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 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL THE WORK SHALL BE IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE S' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Baboe-Jirdu Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI		PROJECT NO: 1715
	TITLE: OUTER WORKING LAYOUT PLAN		DATE: JULY -2023
STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-011



OPEN AREA



PAVED ROAD

FIFTH FLOOR PLAN

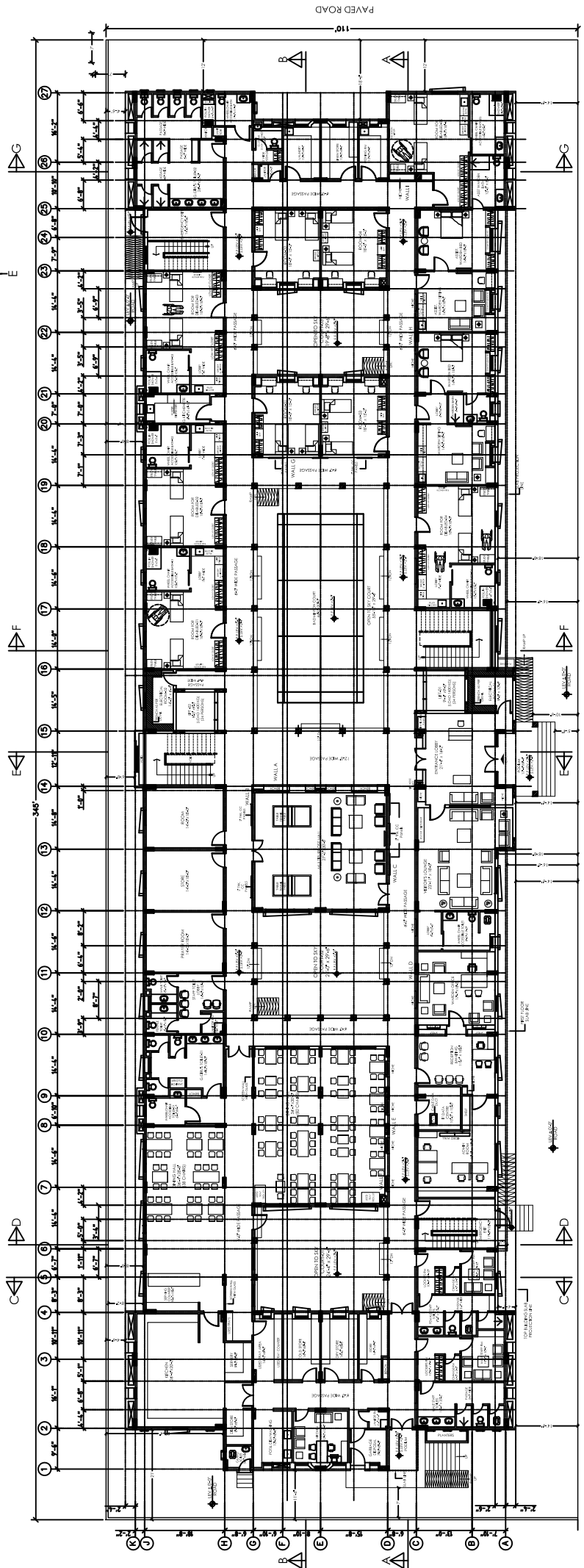
NOTE: PUNCHED WINDOWS SLOPE DIRECTIONS ARE DIFFERENT ON EACH FLOOR

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS MENTIONED TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. HEAD AND SECTION INCLUDE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE 5' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Uratu Road, Karachi, Pakistan.	PROJECT:	GIRLS HOSTEL	PROJECT NO.:	1715
	DATE:	JULY -2023	SHEET NO.:	A-01K
TITLE: DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	REVISION:	OUTER WORKING LAYOUT PLAN	SCALE:	1/8" = 1'-0"
	STATUS:	TENDER DRAWING		



OPEN AREA



GROUND FLOOR PLAN

PAVED ROAD

PROJECT:
Dow University of Health Sciences,
Bab-e-Jirdi Road, Karachi, Pakistan.

PROJECT:
GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJA CAMPUS KARACHI

TITLE:
FURNITURE LAYOUT PLAN
STATUS:
TENDER DRAWING

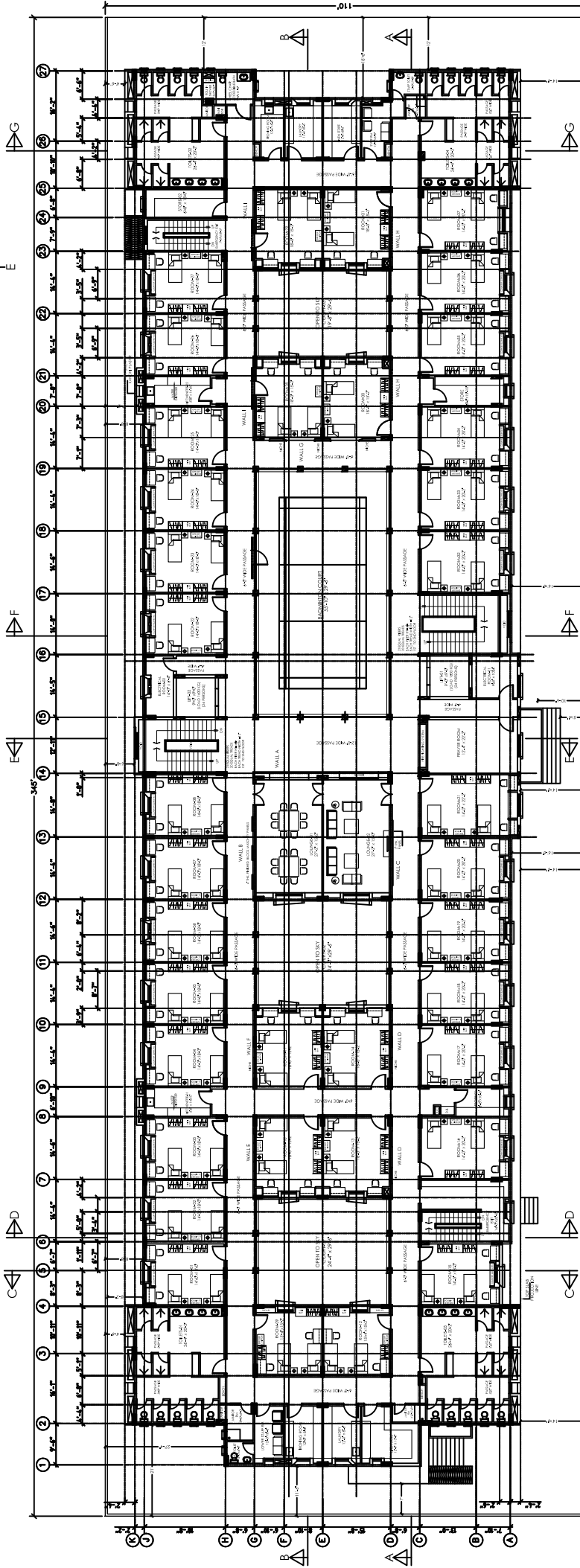
REVISED	DATE	BY	CHKD BY

DATE:
JULY -2023
SCALE:
1/8" = 1'-0"

PROJECT NO:
1715
SHEET NO:
A-02



OPEN AREA



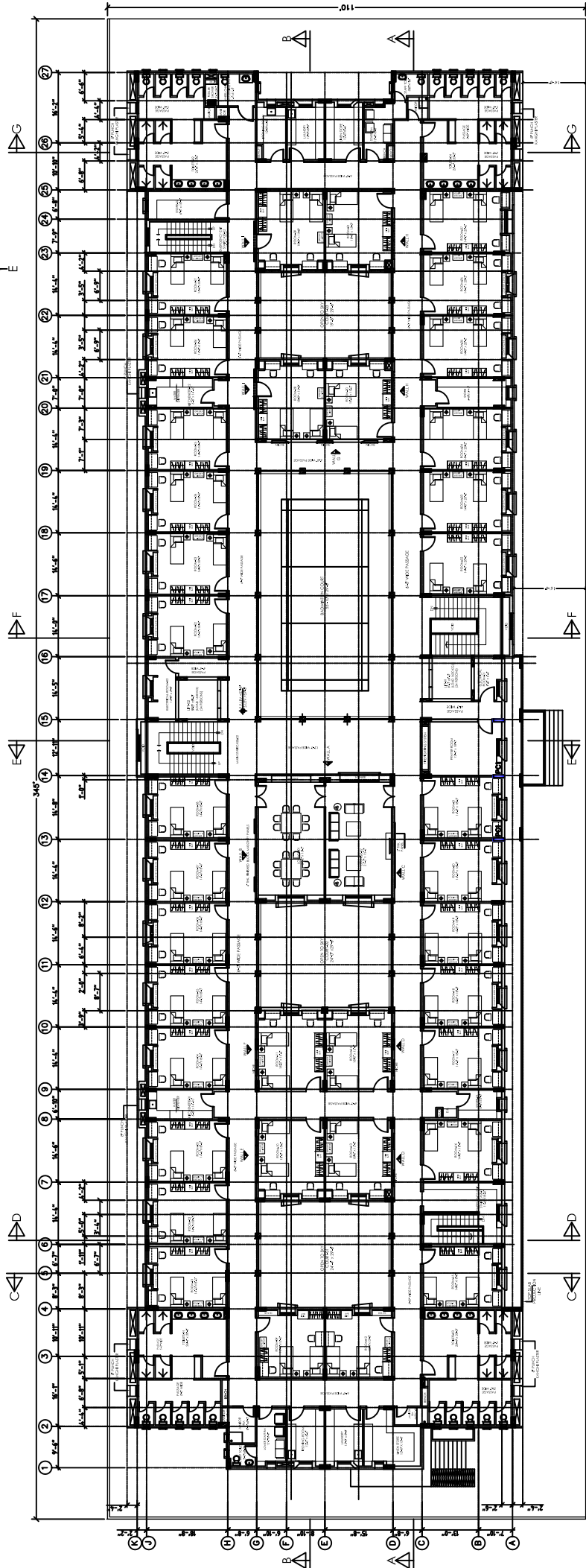
PAVED ROAD

FIRST TILL FOURTH FLOOR PLAN

PROJECT: Dow University of Health Sciences, Bobae-Jirdu Road, Karachi, Pakistan.	TITLE: FURNITURE LAYOUT PLAN		PROJECT NO.: 1915
	STATUS: TENDER DRAWING		SHEET NO.: A-020
REVISIONS:	DATE: JULY-2023	SCALE: 1/8" = 1'-0"	
REVISED BY:	DATE:	SCALE:	
REVISED BY:	DATE:	SCALE:	
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OPEN AREA



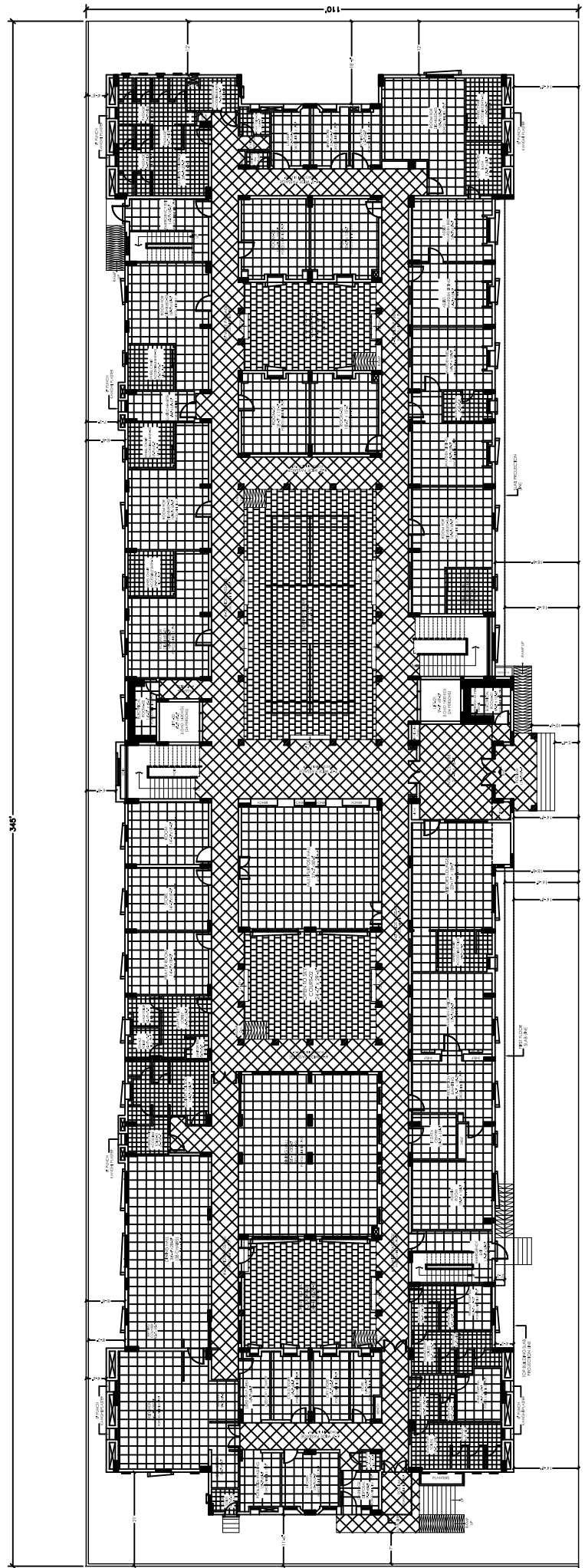
PAVED ROAD

FIFTH FLOOR PLAN

PROJECT: Dow University of Health Sciences, Baba-e-Jrdi Road, Karachi, Pakistan.	TITLE: FURNITURE LAYOUT PLAN		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-02b
REVISIONS:	REVISED:	DATE:	BY:	CHKD BY:



OPEN AREA



GROUND FLOOR PLAN

PAVED ROAD

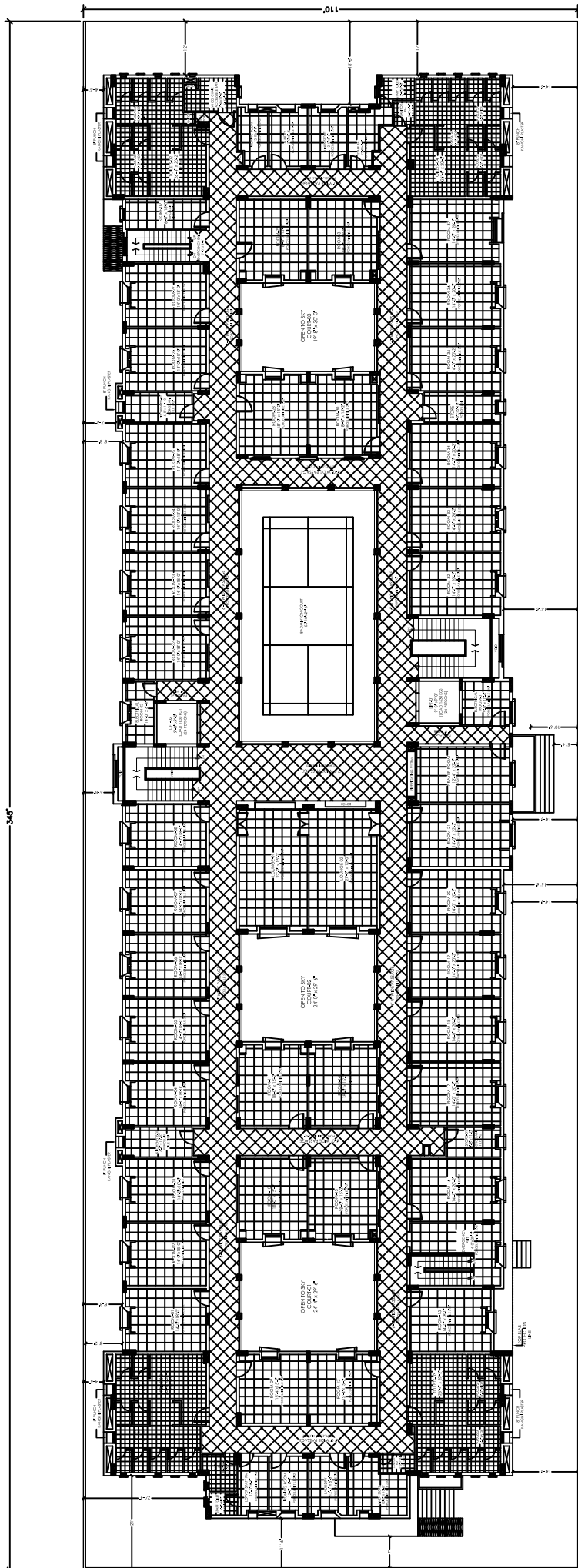
- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 3. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING.
 5. READ THE DRAWINGS IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Bab-e-Ustun Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI		PROJECT NO: 1915
	DATE: JULY -2023	SCALE: 1/8" = 1'-0"	SHEET NO: A-03
TITLE: FLOORING LAYOUT PLAN		REVISED:	
STATUS: TENDER DRAWING		REVISIONS:	



OPEN AREA

346'



FIRST TILL FOURTH FLOOR PLAN

PAVED ROAD

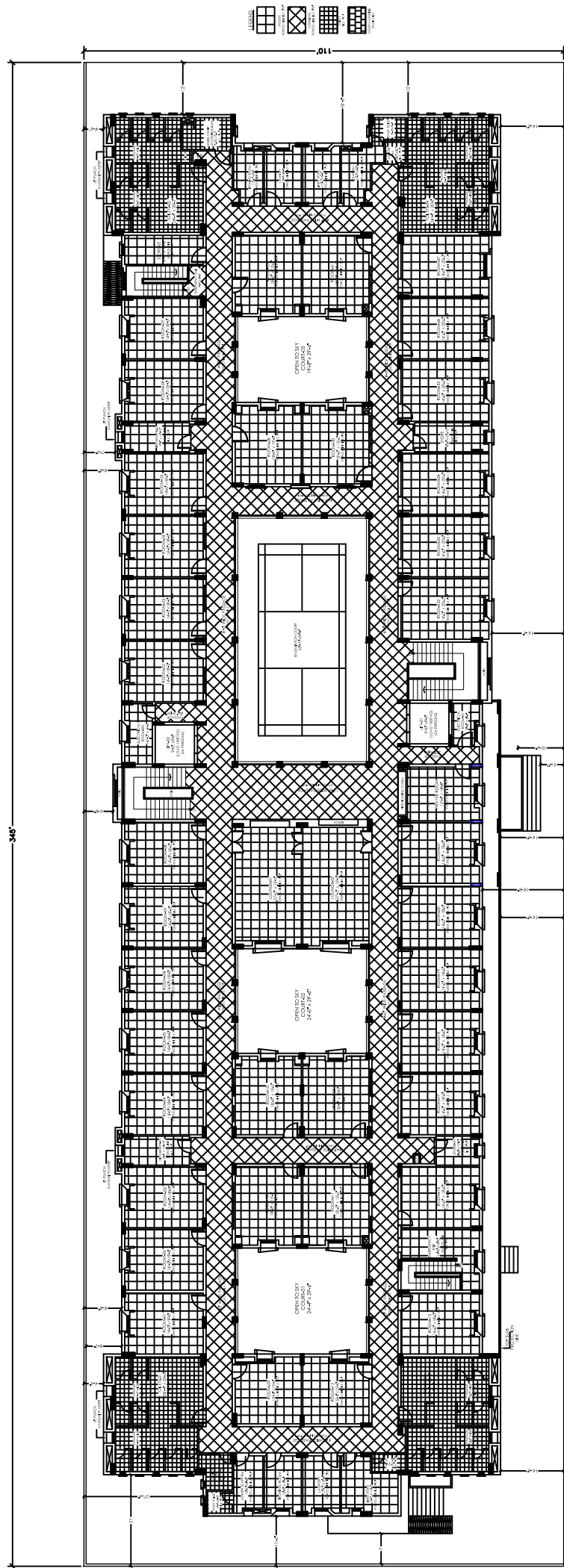
NOTES:

1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
2. CHECK ALL THE DOORS AND WINDOWS TO THE CONSULTANTS.
3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
6. THIS DRAWING IS IN CONNECTION WITH OTHER RELATED DRAWINGS. PLANS AND SECTIONS INCLUDES 3" FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babco-Ujju Road, Karachi, Pakistan.	TITLE: FLOORING LAYOUT PLAN		DATE: JULY -2023	PROJECT NO: 1915
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-03a
REVISIONS:				
REVISED:	DATE:	BY:	CHKD BY:	APPRD BY:



OPEN AREA

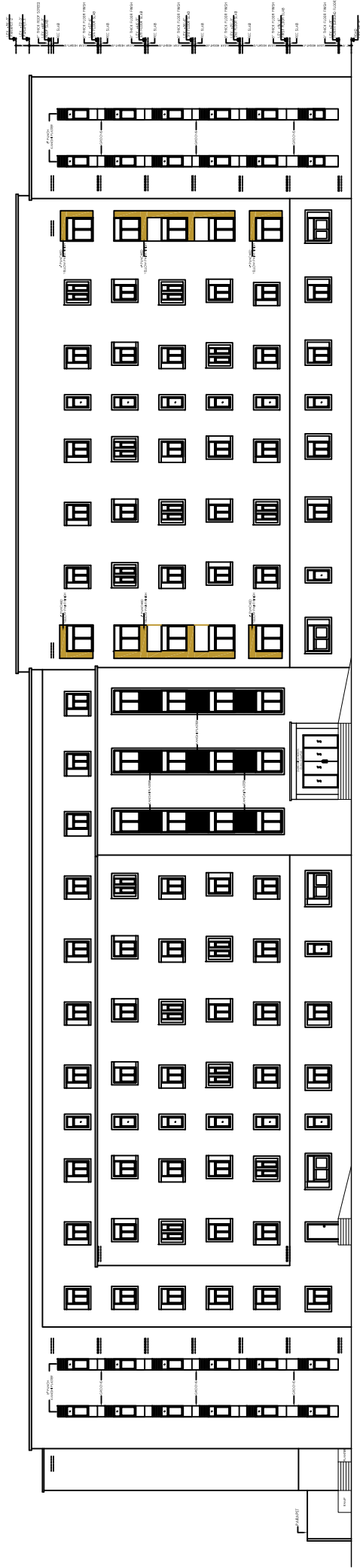


FIFTH FLOOR PLAN

PAVED ROAD

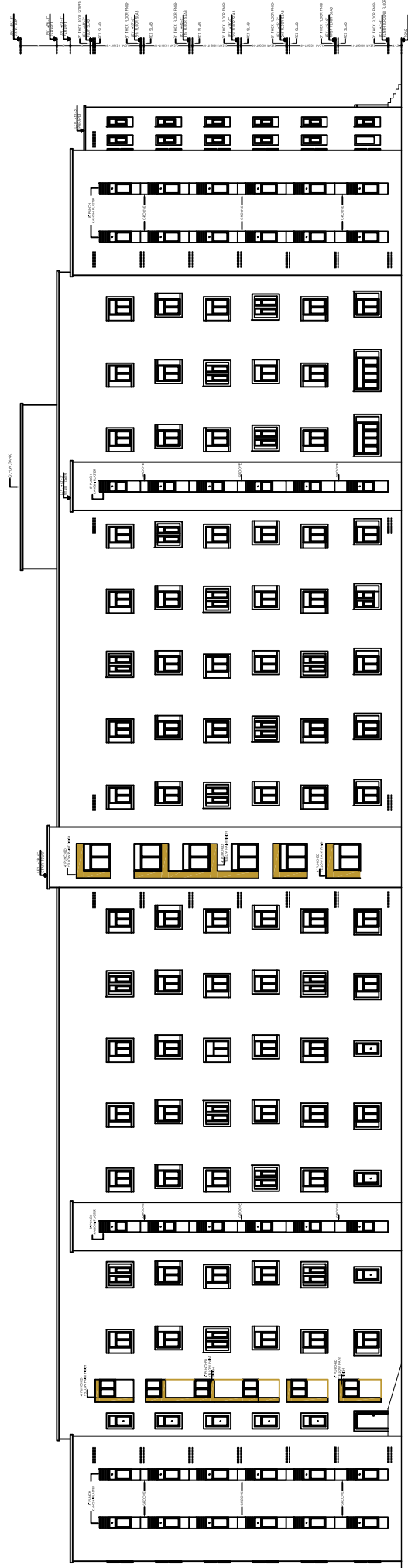
- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CHECK ALL THE ROOMS DIMENSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE AND VERIFY FROM CONSULTANT.
 5. THIS DRAWING IS FOR INFORMATION ONLY WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babco-Ujju Road, Karachi, Pakistan.	TITLE: FLOORING LAYOUT PLAN		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-03b



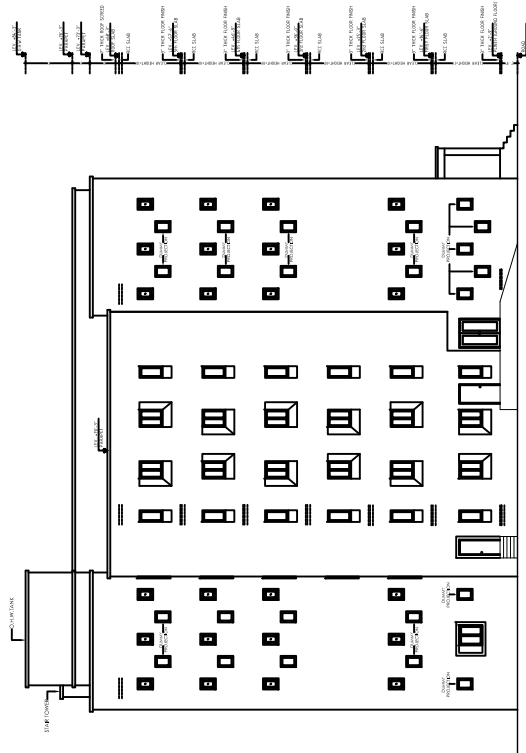
FRONT ELEVATION

PROJECT: Dow University of Health Sciences, Baboe-Jirau Road, Karachi, Pakistan.	PROJECT NO: 1715	
	DATE: JULY -2023	SHEET NO: A-04
TITLE: ELEVATION -01	REVISED:	SCALE: 1/8" = 1'-0"
	STATUS: TENDER DRAWING	

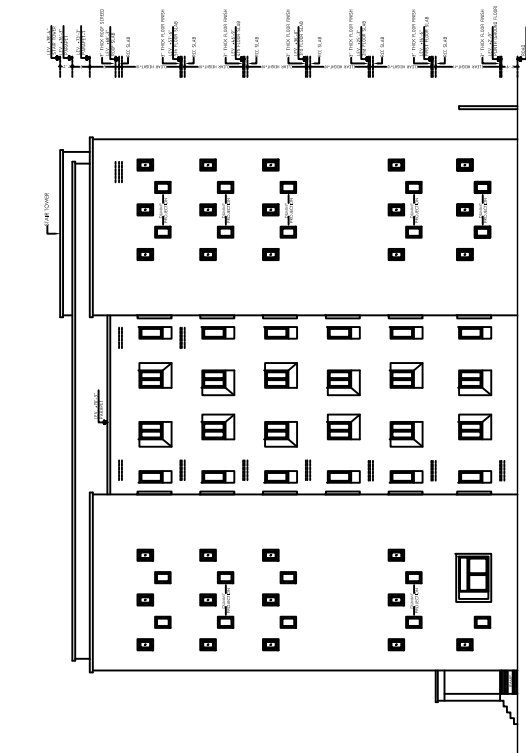


REAR ELEVATION

PROJECT: DOW University of Health Sciences, Baboe-Jirau Road, Karachi, Pakistan.	TITLE: ELEVATION -02 STATUS: TENDER DRAWING		REVISED:	DATE: JULY -2023	PROJECT NO: 1915
			DRAWING NO: 1/8" = 1'-0"	SCALE: 1/8" = 1'-0"	SHEET NO: A-04G

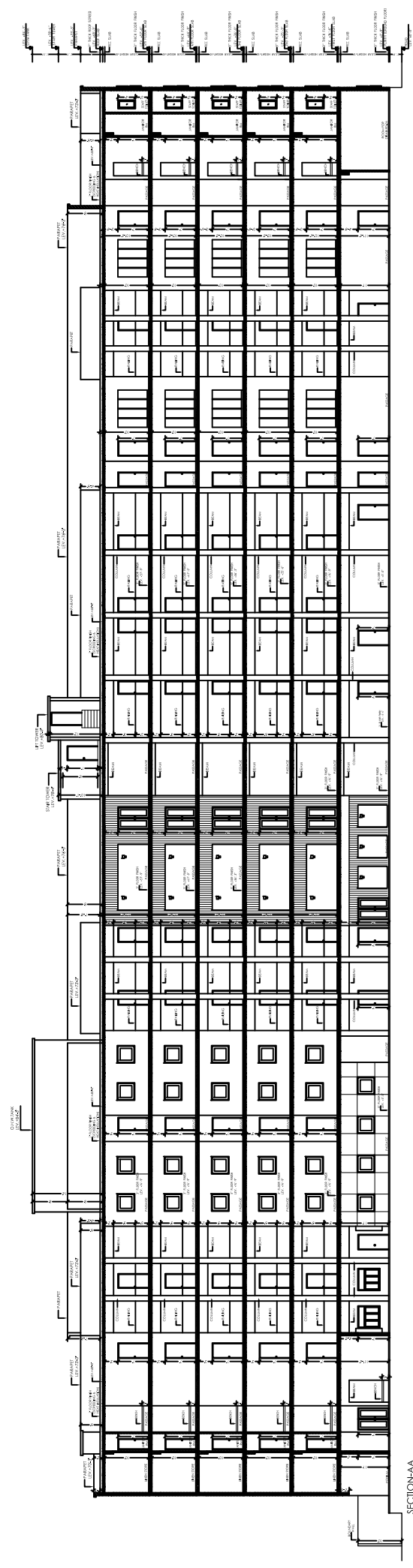


LEFT SIDE ELEVATION



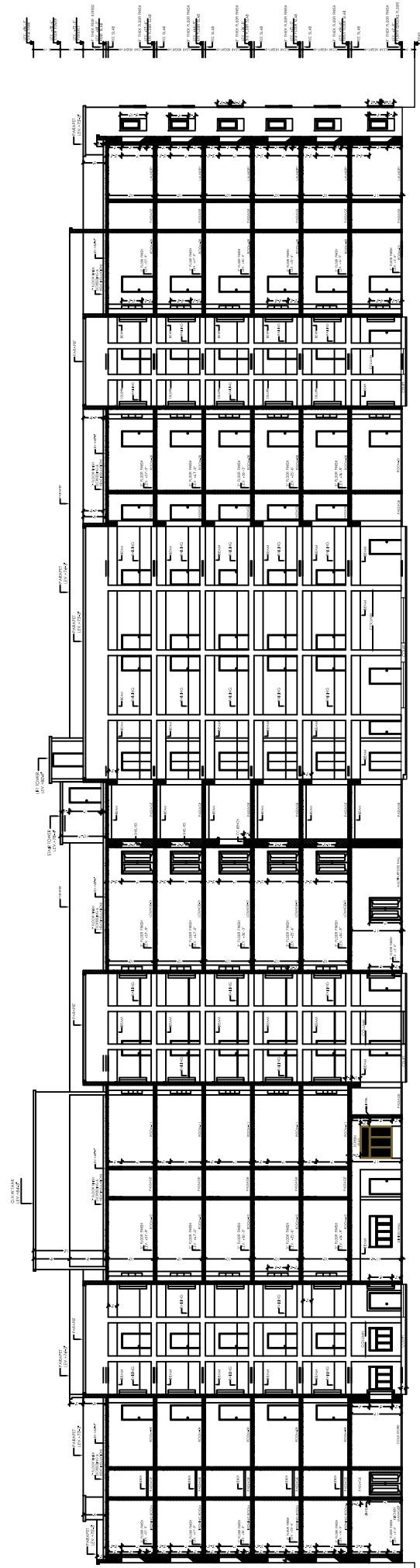
RIGHT SIDE ELEVATION

Dow University of Health Sciences, Baboe-Jirau Road, Karachi, Pakistan.	PROJECT	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI		PROJECT NO:	1715
		ELEVATION -03		DATE:	JULY -2023
TITLE:		ELEVATION -03		REVISIONS	SCALE
STATUS:		TENDER DRAWING		NO.	1/8" = 1'-0"
REVISIONS		REVISIONS		NO.	DESCRIPTION
NO.		DESCRIPTION		NO.	DESCRIPTION
NO.		DESCRIPTION		NO.	DESCRIPTION
NO.		DESCRIPTION		NO.	DESCRIPTION
NO.		DESCRIPTION		NO.	DESCRIPTION



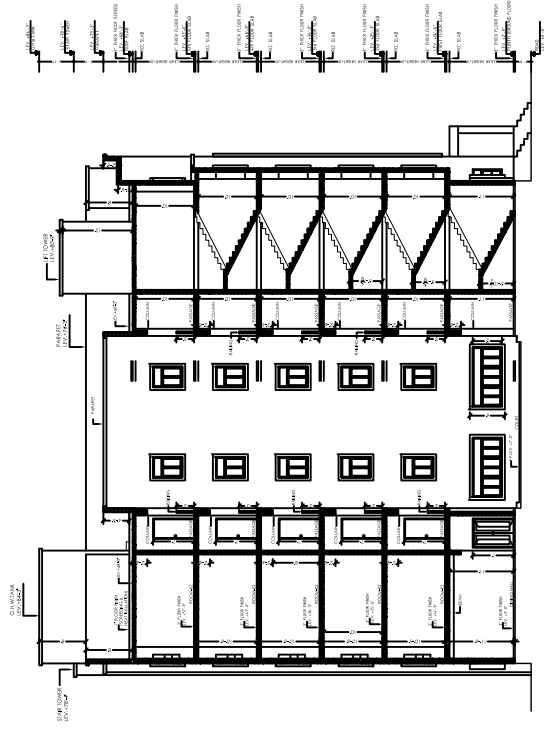
SECTION-AA

PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	TITLE: SECTION-AA STATUS: TENDER DRAWING		REVISED:	DATE: JULY -2023	PROJECT NO: 1915
	DRAWING NO:	SHEET NO:	SCALE:	SCALE:	SHEET NO: A-05

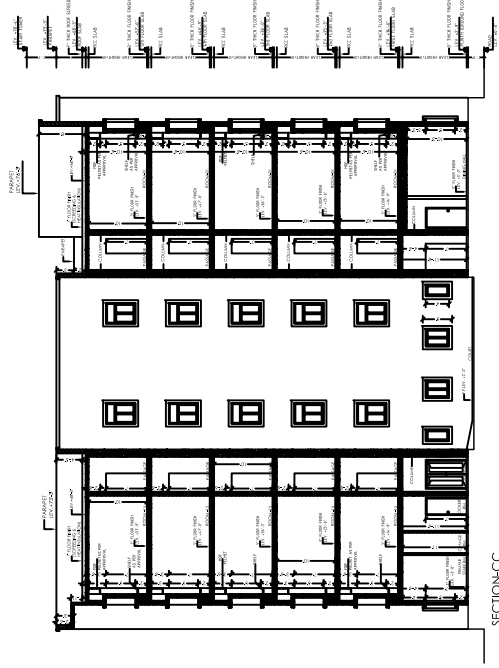


SECTION-BB

PROJECT: Dow University of Health Sciences, Bada-e-Urdu Road, Karachi, Pakistan.	TITLE: SECTION -BB TENDER DRAWING		DATE: JULY -2023	PROJECT NO: 1715
	REVISED:	SCALE: 1/8" = 1'-0"	SHEET NO: A-050	

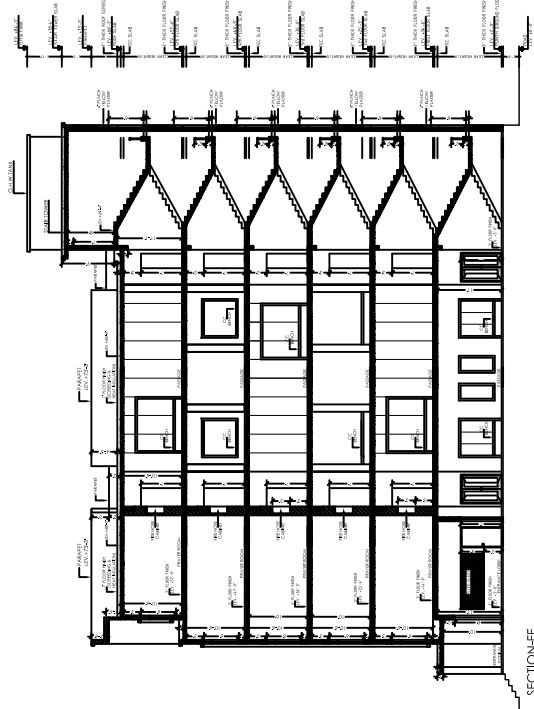


SECTION-DD

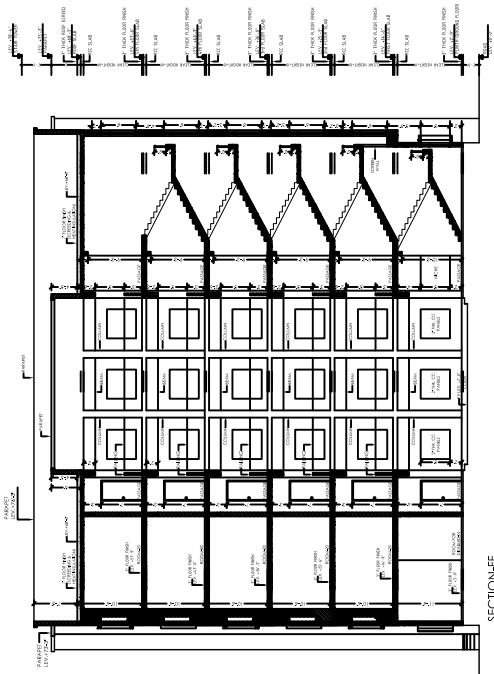


SECTION-CC

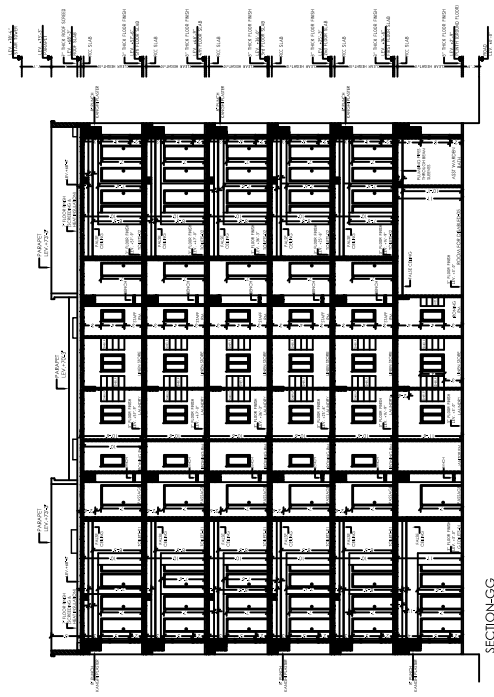
PROJECT: Dow University of Health Sciences, Babad-ulau Road, Karachi, Pakistan.	TITLE: SECTION -CC & DD STATUS: TENDER DRAWING		REVISED:	DRAWING NO:	CHECKED BY:	DATE: JULY -2023	PROJECT NO: 1715
						SCALE: 1/8" = 1'-0"	SHEET NO: A-05b



SECTION-EE



SECTION-FF



SECTION-GG

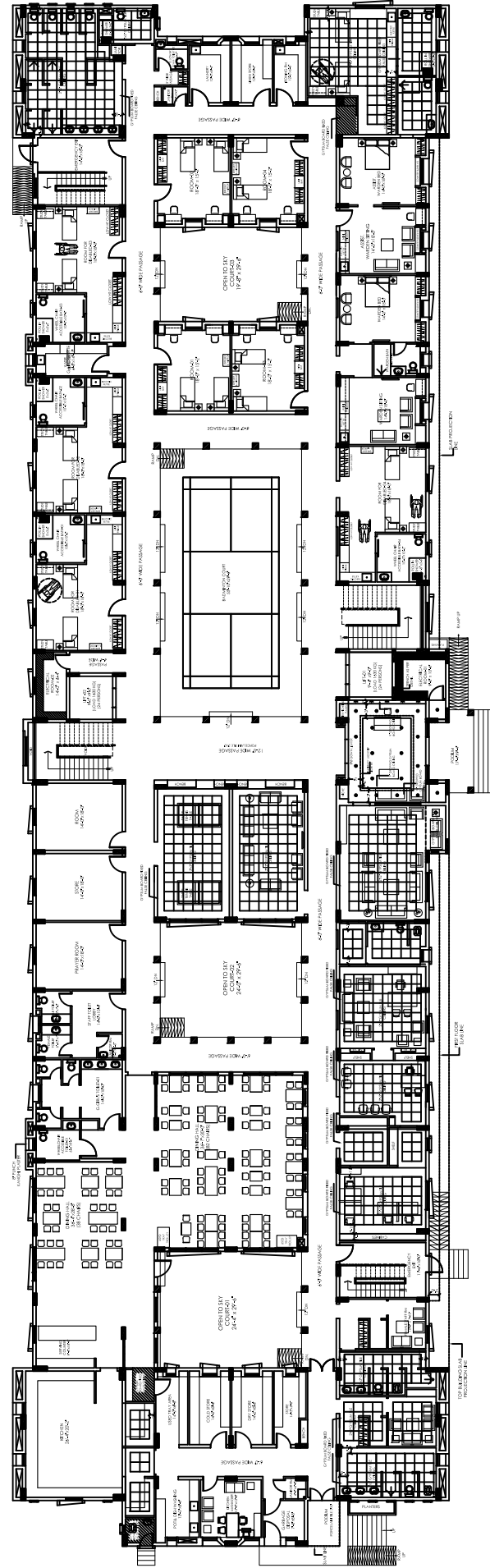
PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	TITLE: SECTION - EE ,FF &GG		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-05C
REVISIONS:	NO.	DATE	DESCRIPTION	



OPEN AREA

345'

110'

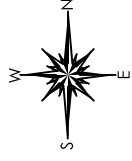


PAVED ROAD

GROUND FLOOR PLAN

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS POINTIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING.
 6. AND VERIFY FROM CONSULTANT.
 7. REPAIR AND CONSTRUCTION WITH OTHER RELATED DRAWINGS.
 8. PLANS AND SECTIONS INCLUDE BY FINISHED FLOOR LEVEL.

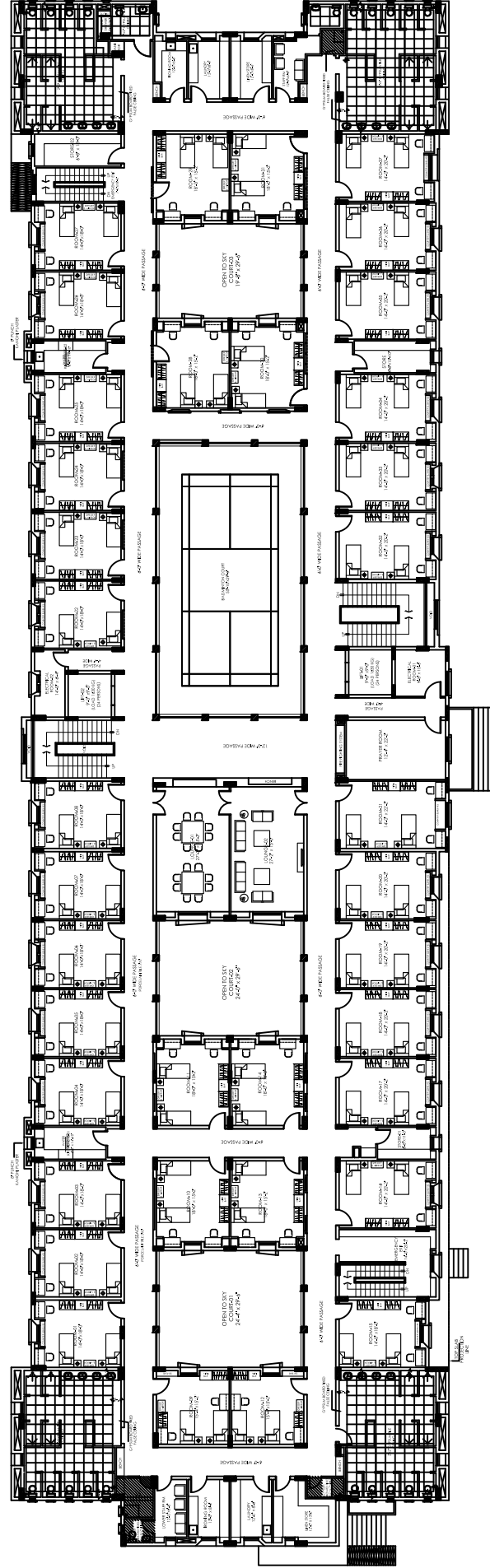
PROJECT: Dow University of Health Sciences, Babco-Jirdu Road, Karachi, Pakistan.	TITLE: REFLECTED CEILING PLAN-GROUND FLOOR		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-06



OPEN AREA

346'

110'



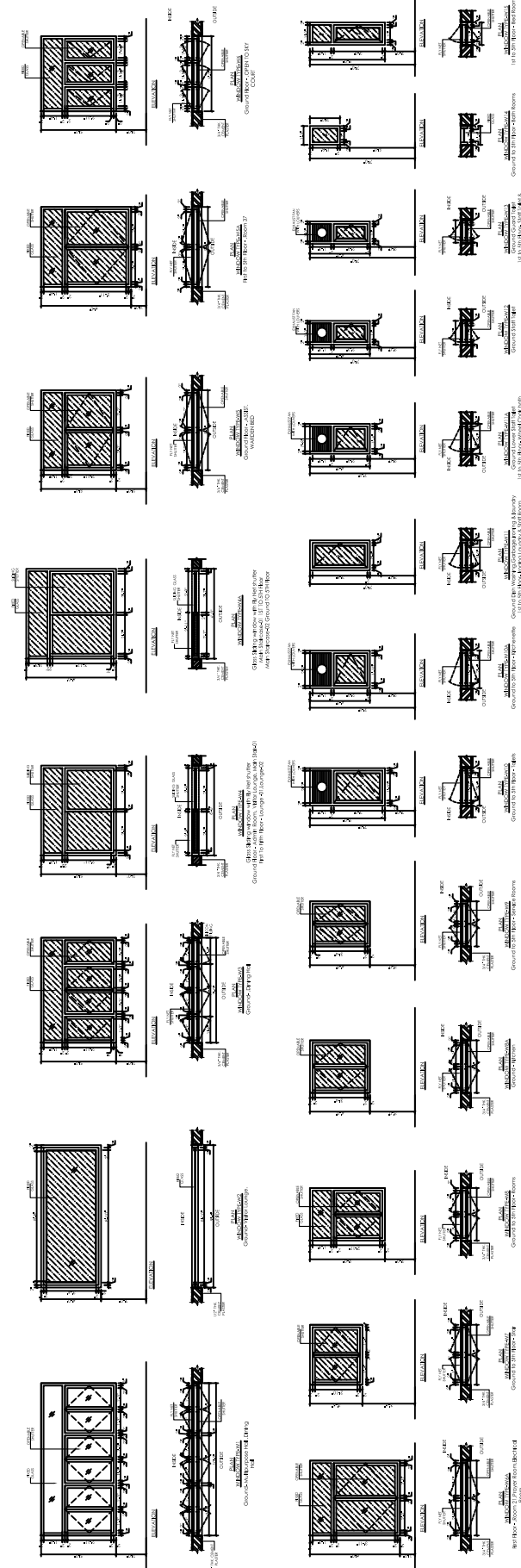
TYPICAL FLOOR PLAN

PAVED ROAD

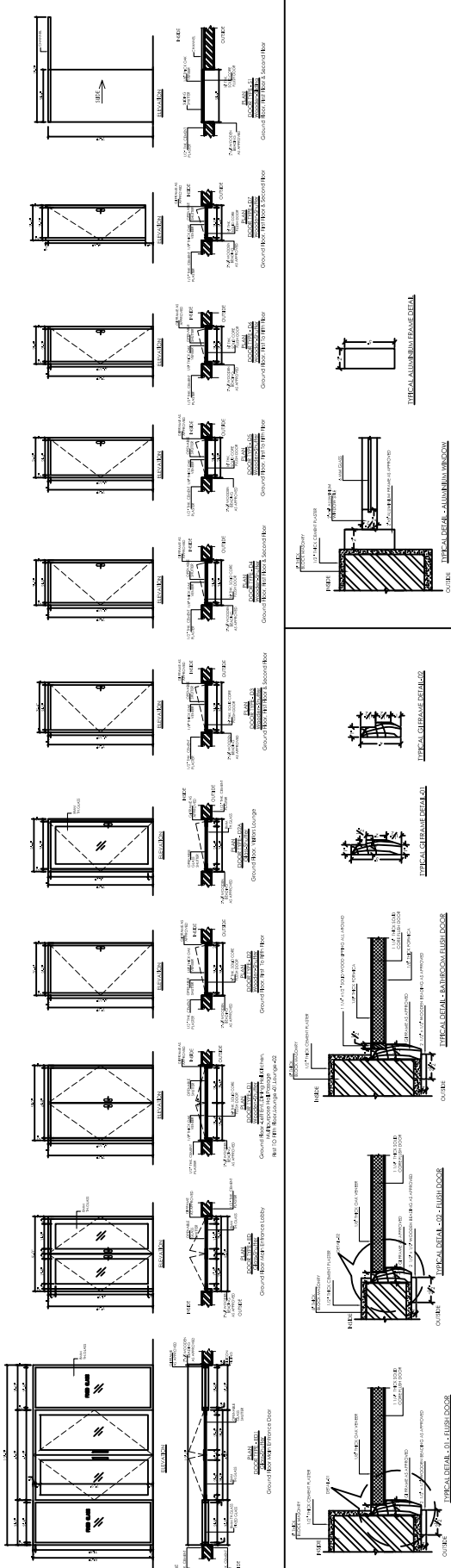
- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CHECK ALL THE ROOMS DIMENSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. THIS DRAWING IS FOR INFORMATION ONLY WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babe-e-Jrdi Road, Karachi, Pakistan.	PROJECT NO: 1715	
	DATE: JULY -2023	SHEET NO: A-060
TITLE: REFLECTED CEILING PLAN -TYPICAL FLOOR		SCALE: 1/8" = 1'-0"
STATUS: TENDER DRAWING		
REVISIONS:	NO.	DATE

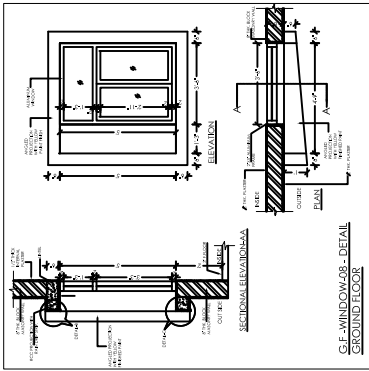
WINDOWS SCHEDULE			
NO.	TYPE	SIZE	DESCRIPTION
1	W1	1.20x1.20	WOODEN WINDOW
2	W2	1.20x1.20	WOODEN WINDOW
3	W3	1.20x1.20	WOODEN WINDOW
4	W4	1.20x1.20	WOODEN WINDOW
5	W5	1.20x1.20	WOODEN WINDOW
6	W6	1.20x1.20	WOODEN WINDOW
7	W7	1.20x1.20	WOODEN WINDOW
8	W8	1.20x1.20	WOODEN WINDOW
9	W9	1.20x1.20	WOODEN WINDOW
10	W10	1.20x1.20	WOODEN WINDOW
11	W11	1.20x1.20	WOODEN WINDOW
12	W12	1.20x1.20	WOODEN WINDOW
13	W13	1.20x1.20	WOODEN WINDOW
14	W14	1.20x1.20	WOODEN WINDOW
15	W15	1.20x1.20	WOODEN WINDOW
16	W16	1.20x1.20	WOODEN WINDOW
17	W17	1.20x1.20	WOODEN WINDOW
18	W18	1.20x1.20	WOODEN WINDOW
19	W19	1.20x1.20	WOODEN WINDOW
20	W20	1.20x1.20	WOODEN WINDOW
21	W21	1.20x1.20	WOODEN WINDOW
22	W22	1.20x1.20	WOODEN WINDOW



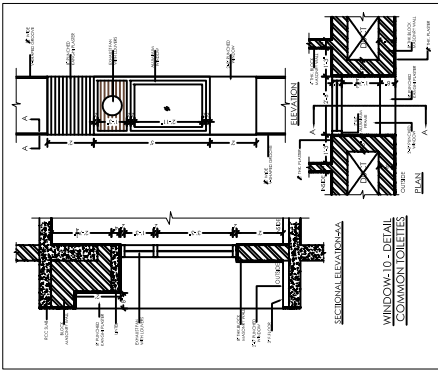
DOORS SCHEDULE			
NO.	TYPE	SIZE	DESCRIPTION
1	D1	2.40x2.40	FLUSH DOOR
2	D2	2.40x2.40	FLUSH DOOR
3	D3	2.40x2.40	FLUSH DOOR
4	D4	2.40x2.40	FLUSH DOOR
5	D5	2.40x2.40	FLUSH DOOR
6	D6	2.40x2.40	FLUSH DOOR
7	D7	2.40x2.40	FLUSH DOOR
8	D8	2.40x2.40	FLUSH DOOR
9	D9	2.40x2.40	FLUSH DOOR
10	D10	2.40x2.40	FLUSH DOOR
11	D11	2.40x2.40	FLUSH DOOR



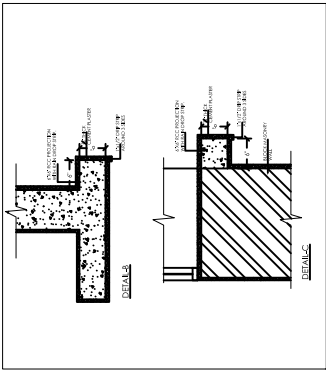
PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	TIRE DOORS & WINDOWS DESIGN DETAILS	PROJECT NO. 1915
		SHEET NO. A-07
DATE: JULY -2023	SCALE: N.T.S	PROJECT NO. 1915
STATUS: TENDER DRAWING	REVISIONS:	SHEET NO. A-07



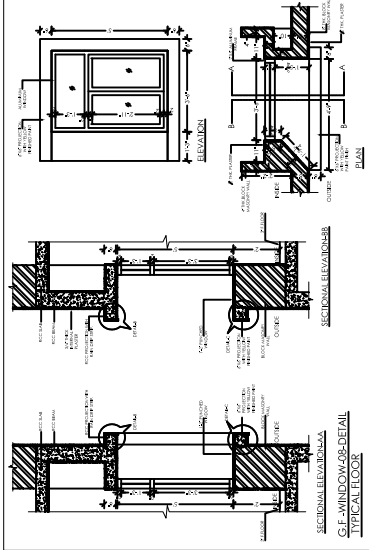
GF-WINDOW-08-DETAIL
GROUND FLOOR



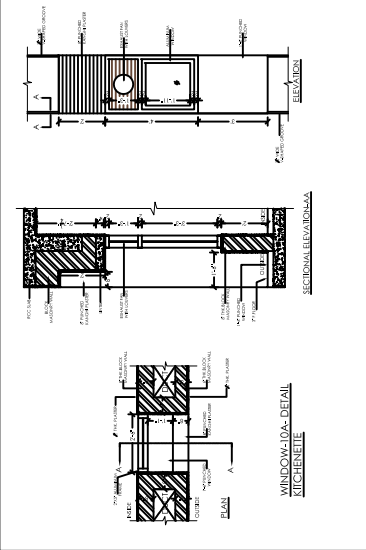
WINDOW-10-DETAIL
COMMON TOILETS



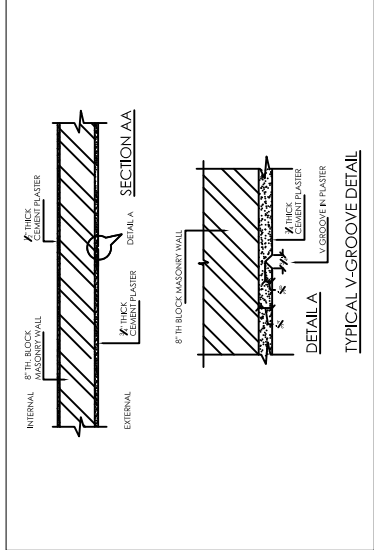
DETAIL



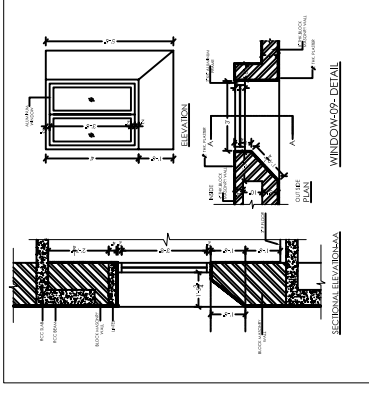
GF-WINDOW-03-DETAIL
TYPICAL FLOOR



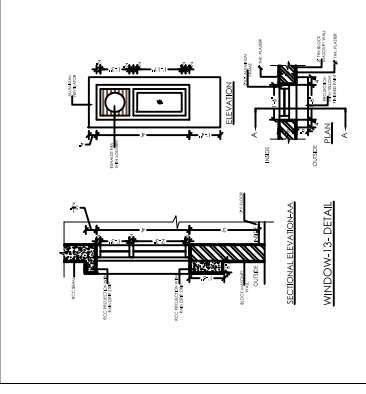
WINDOW-0A-DETAIL
KITCHENETTE



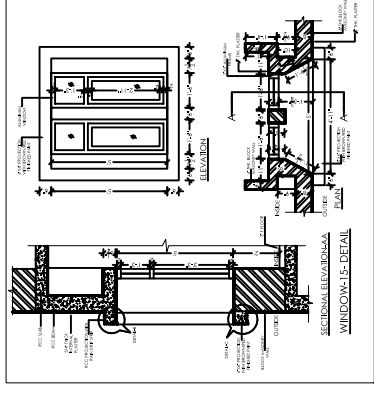
TYPICAL V-GROOVE DETAIL



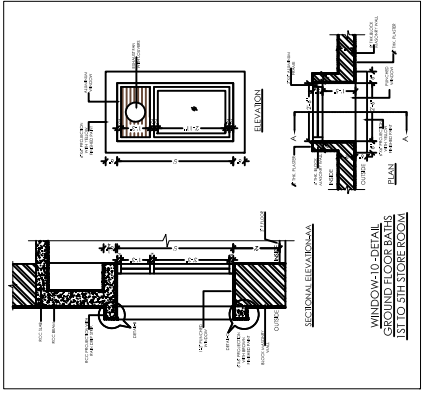
WINDOW-09-DETAIL



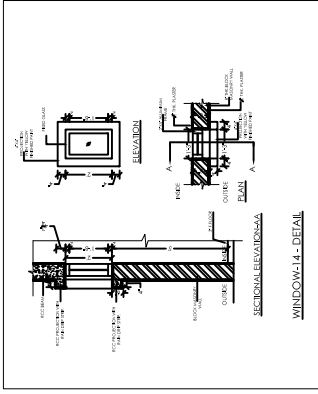
WINDOW-12-DETAIL



WINDOW-15-DETAIL



WINDOW-10-DETAIL
GROUND FLOOR BATHS
SET TO 5TH STORE FLOOR



WINDOW-14-DETAIL

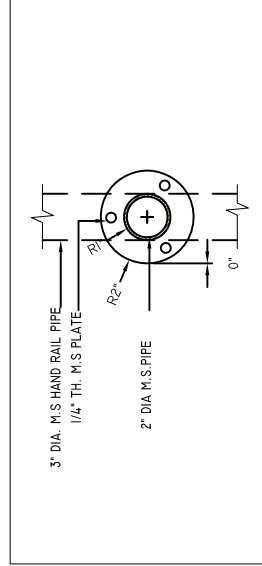
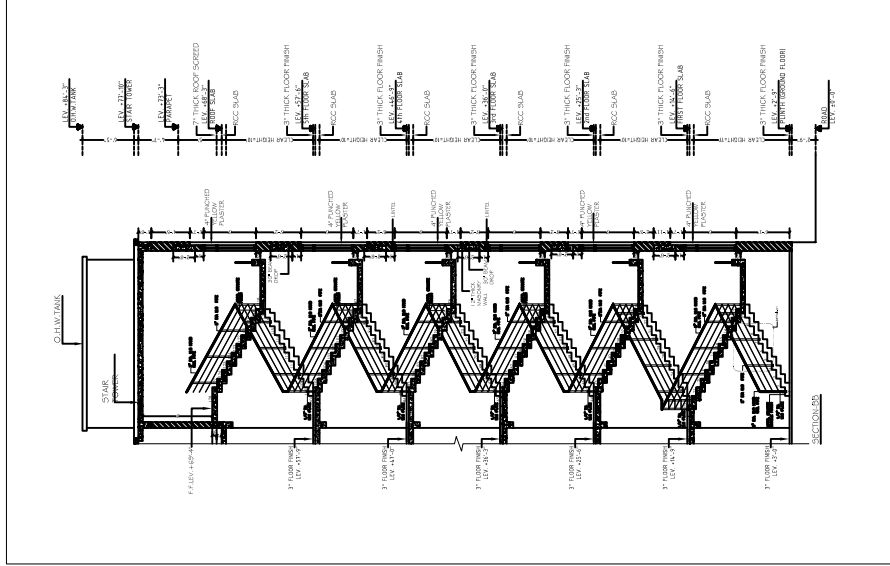
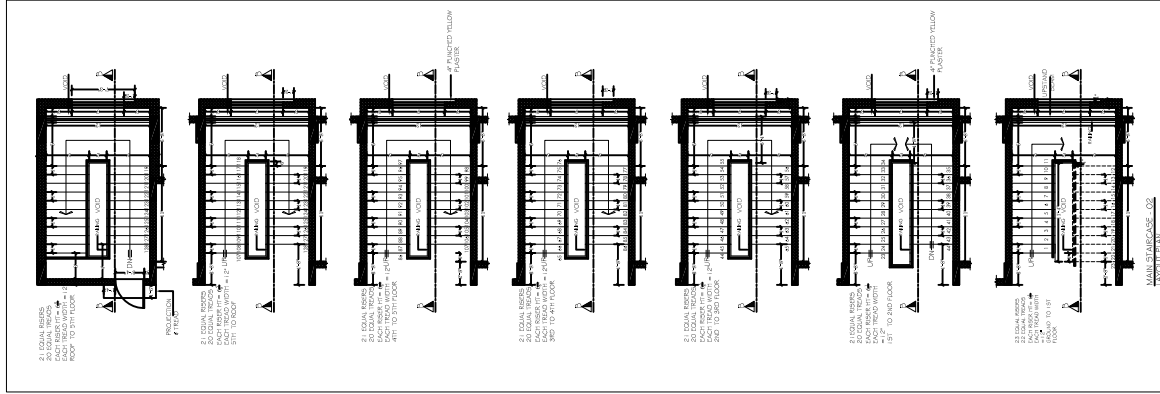
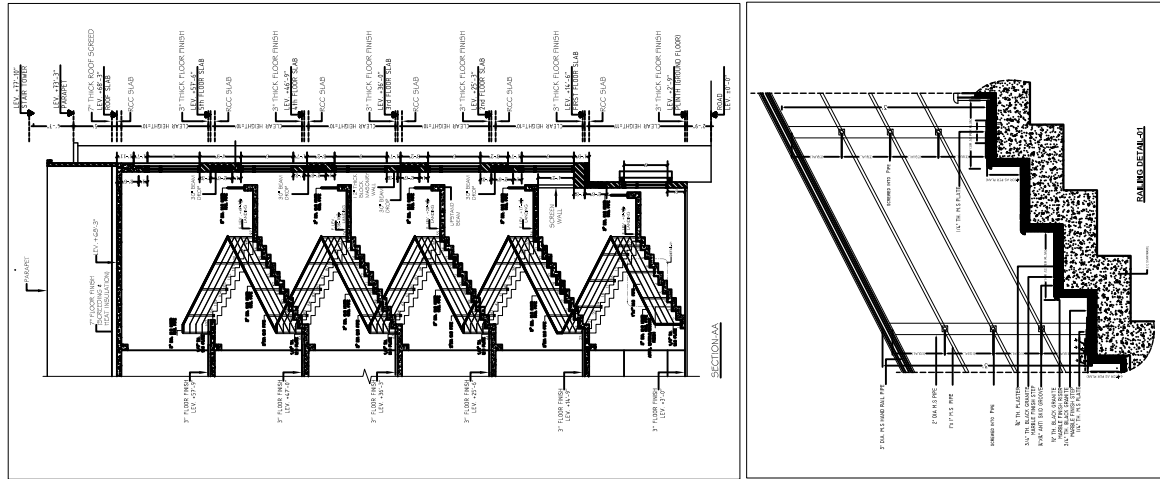
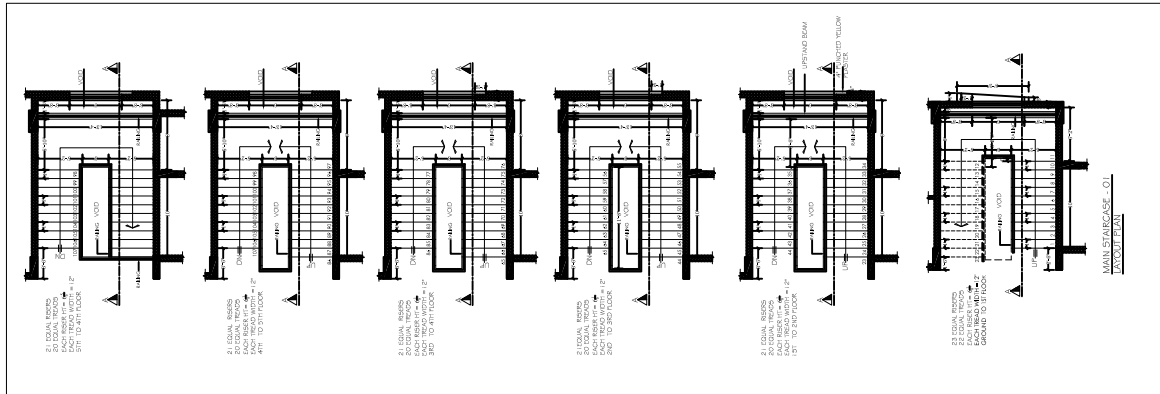
Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJHA CAMPUS KARACHI

TITLE: **WINDOWS PROJECTION DETAILS**
STATUS: **TENDER DRAWING**

NO.	REVISION	DATE	DESCRIPTION

PROJECT NO. 1915
DATE: JULY-2023
SHEET NO. A-07a
SCALE: N.T.S.



Dow University of Health Sciences,
Babae-Urdu Road, Karachi, Pakistan.

PROJECT:

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

TITLE:

MAIN STAIRCASE DETAIL-01 & 02

STATUS:

TENDER DRAWING

REVISED:

DATE:

JULY-2023

PROJECT NO.:

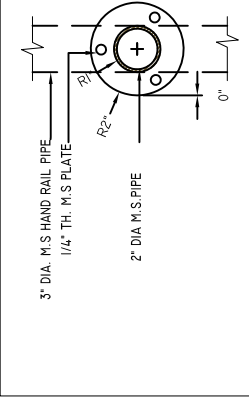
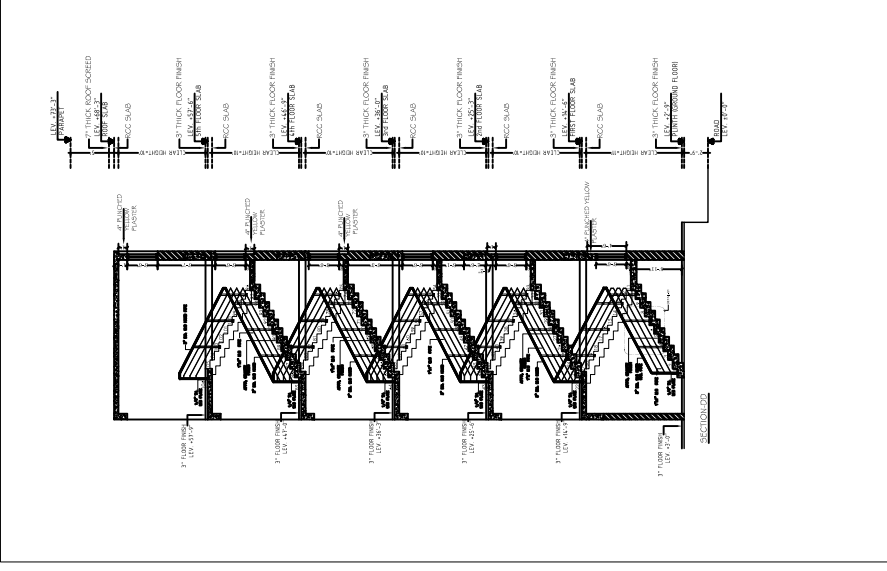
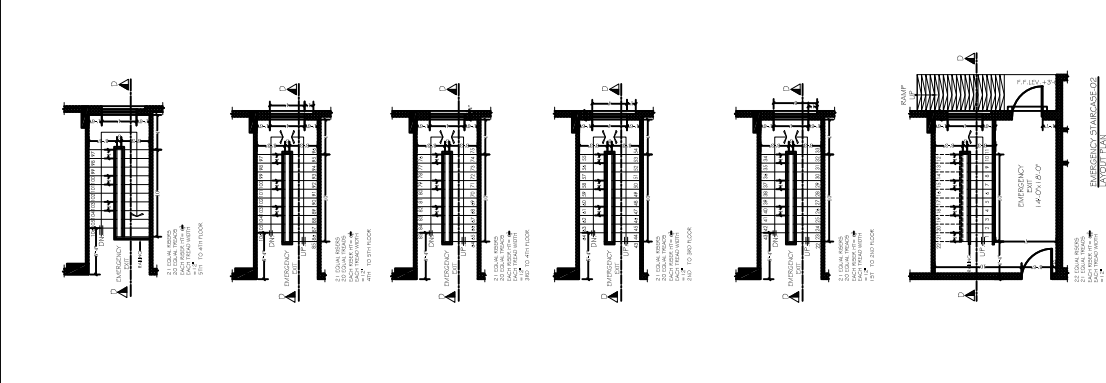
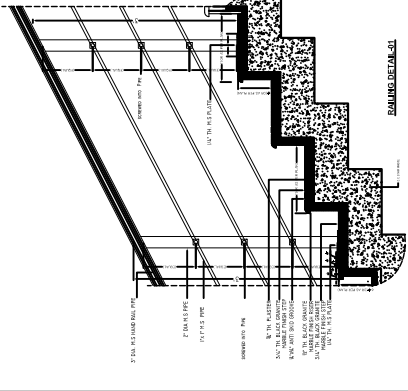
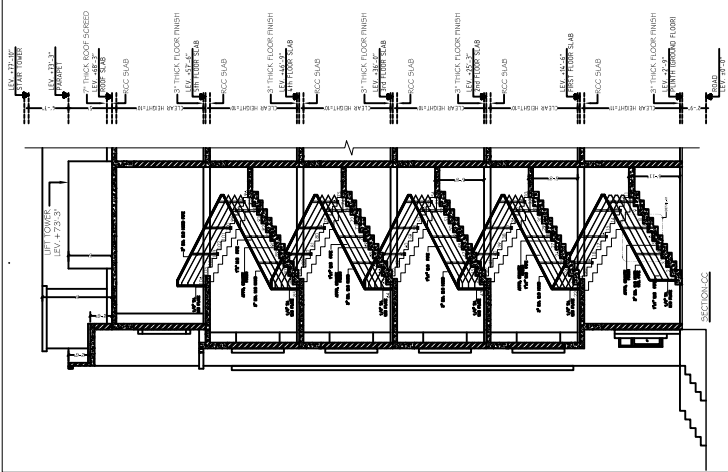
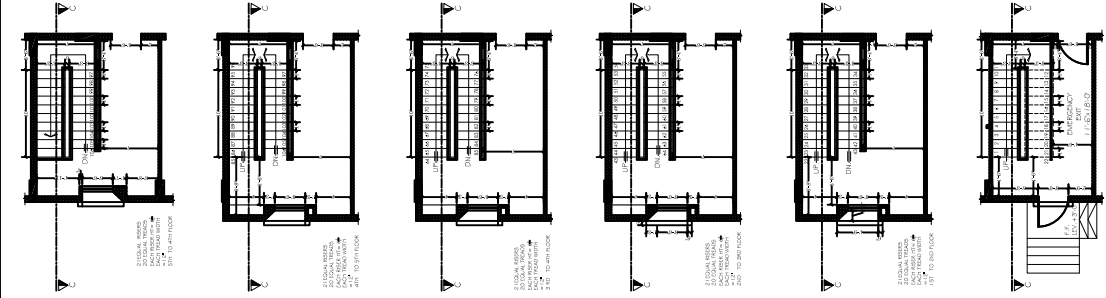
1915

SCALE:

N.T.S.

SHEET NO.:

A-08



PROJECT: Dow University of Health Sciences,
Babae-Urdu Road, Karachi, Pakistan.

TITLE: GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJHA CAMPUS KARACHI

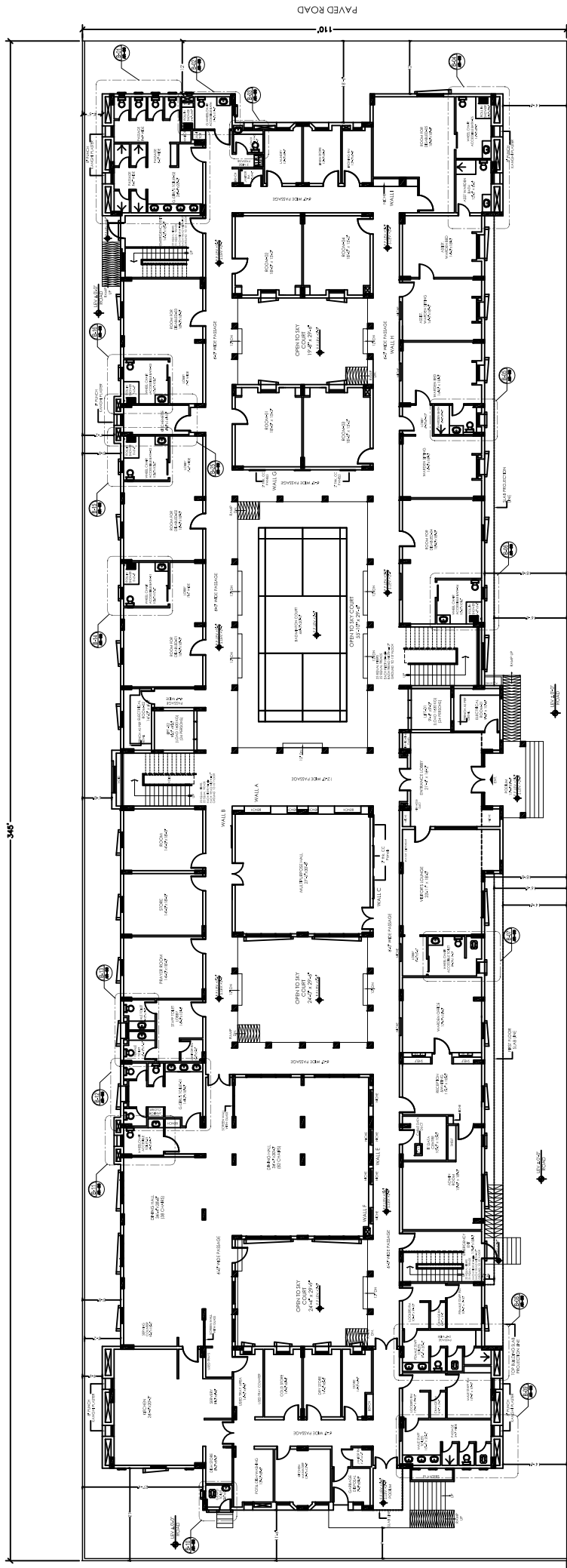
EMERGENCY STAIRCASE DETAIL-01 & 02
STATUS: TENDER DRAWING

REVISED	DATE	DESCRIPTION

DATE: JULY-2023
SCALE: N.T.S.
PROJECT NO.: 1915
SHEET NO.: A-08a



OPEN AREA

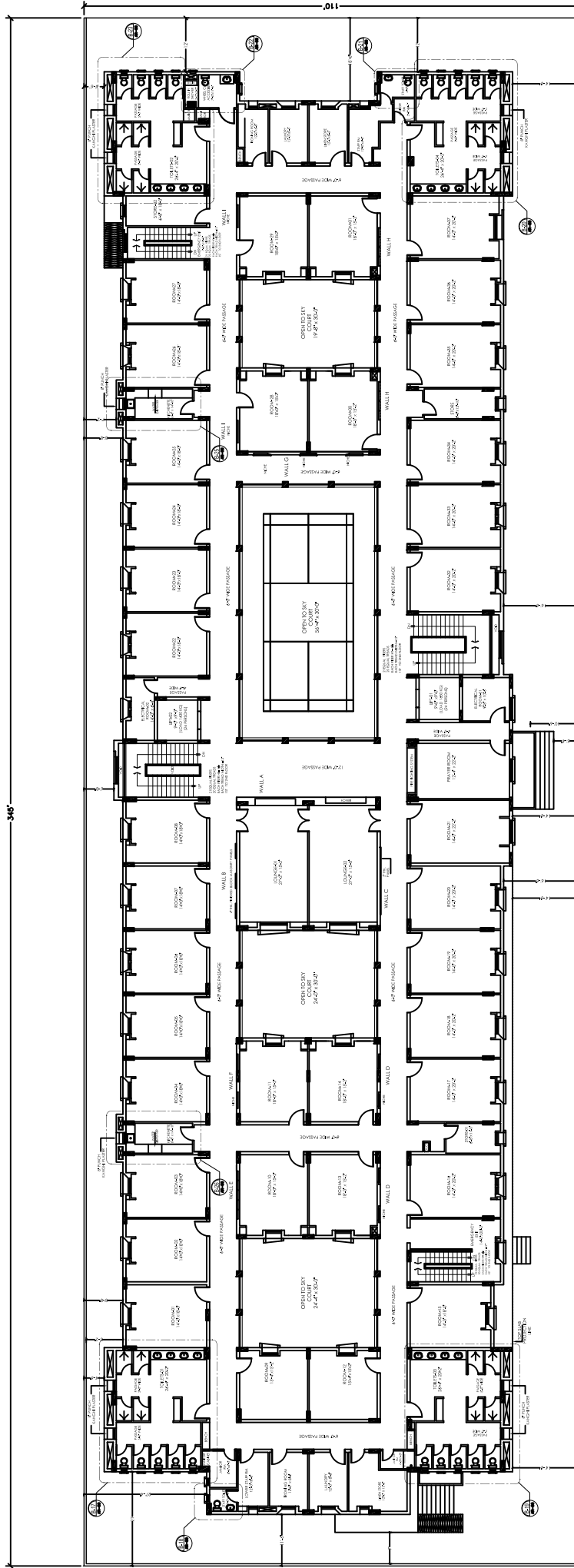


PAVED ROAD

PROJECT: Dow University of Health Sciences, 8000-e-Jirau Road, Karachi, Pakistan.	TITLE: GROUND FLOOR BATHS & KITCHENETTE TAGGING PLAN		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-10



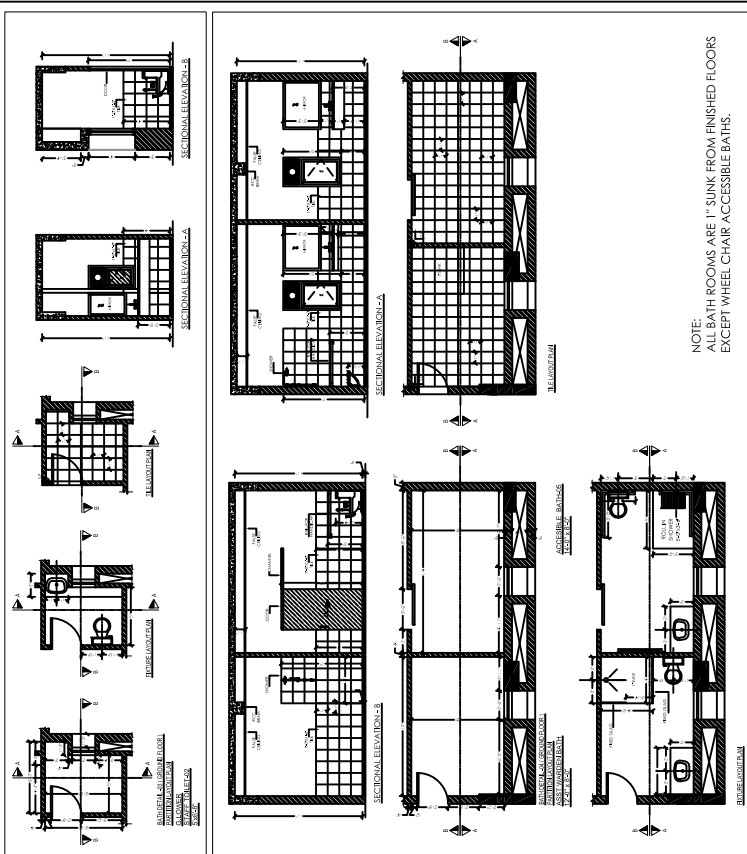
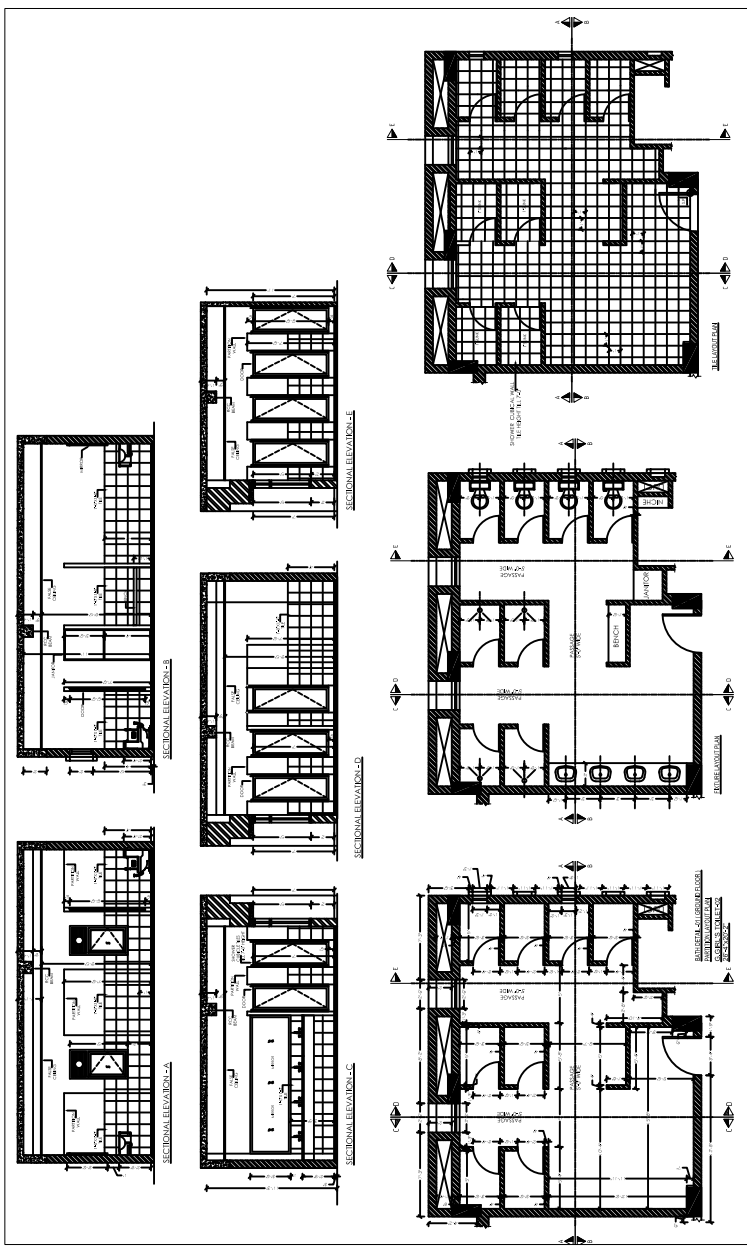
OPEN AREA



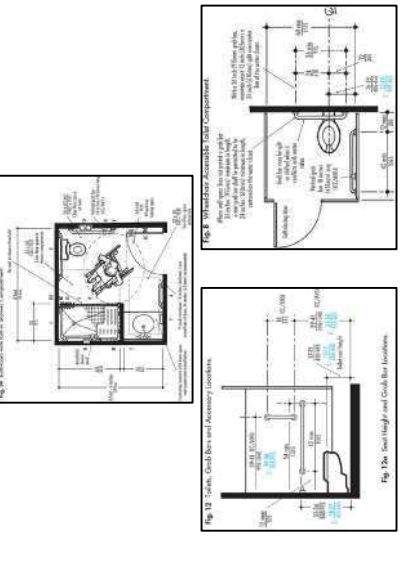
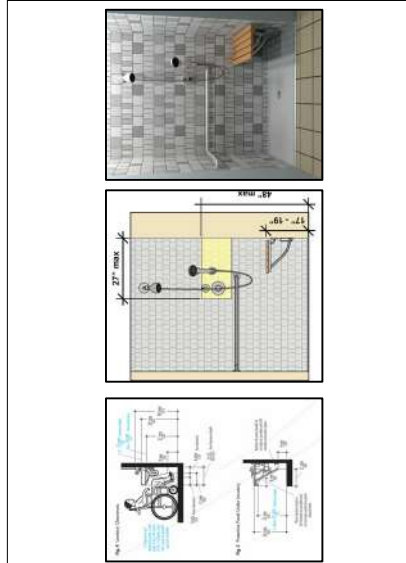
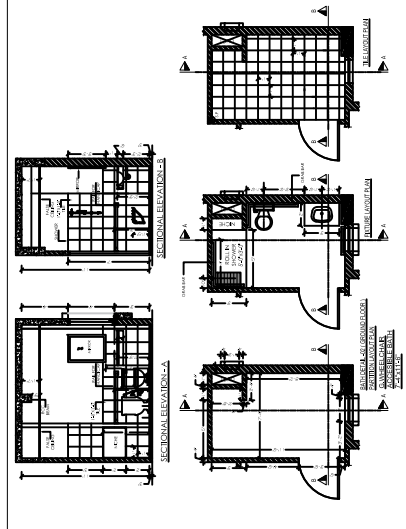
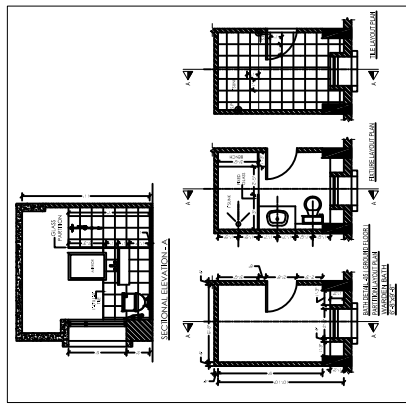
PAVED ROAD

TYPICAL FLOOR - 1ST TO 5TH FLOOR PLAN

PROJECT: Dow University of Health Sciences, Bab-e-Uddi Road, Karachi, Pakistan.	TITLE: TYPICAL FLOOR BATHS & KITCHENETTE TAGGING PLAN		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-10a



NOTE:
ALL BATH ROOMS ARE T-SUNK FROM FINISHED FLOORS
EXCEPT WHEEL CHAIR ACCESSIBLE BATHS.



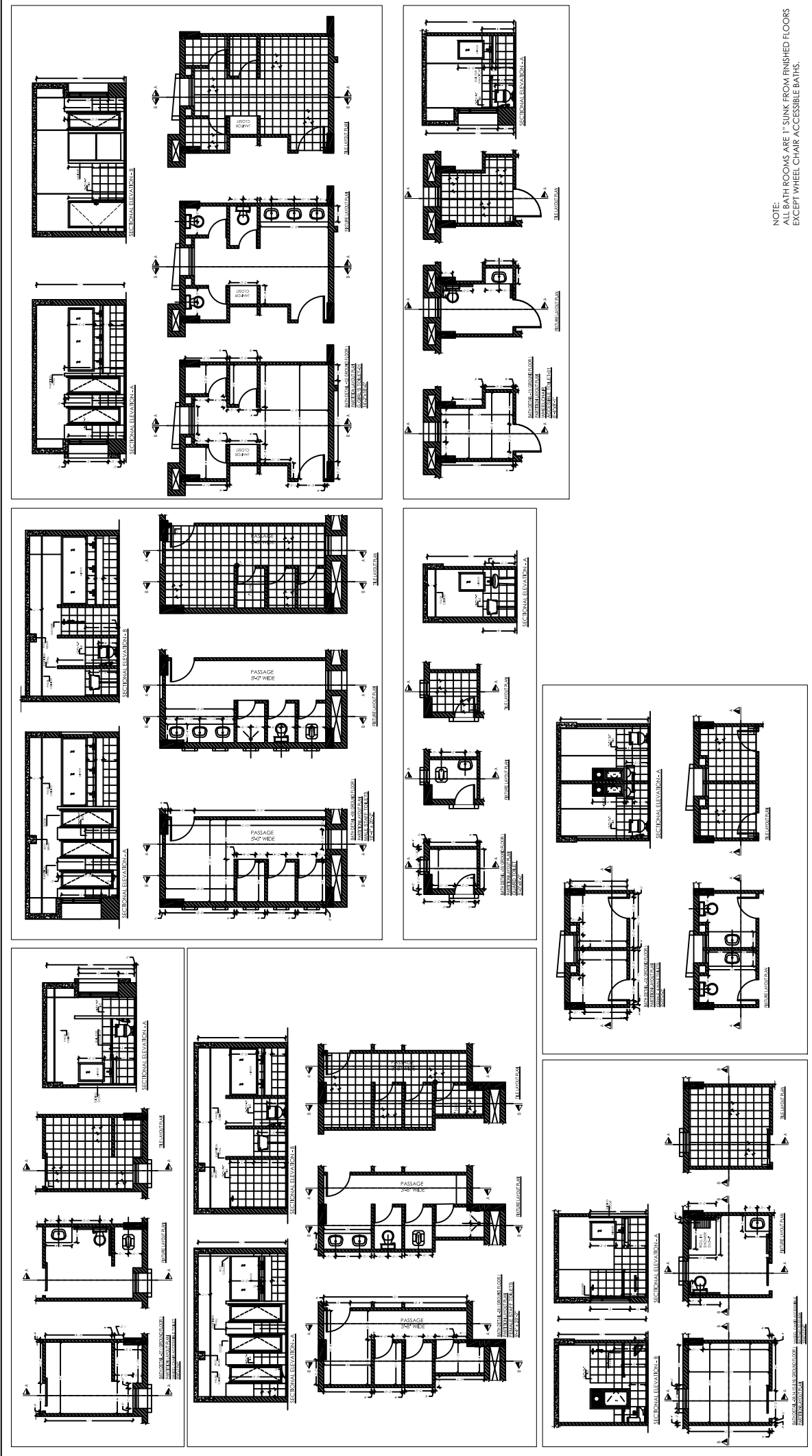
PROJECT:
Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

PROJECT:
GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJHA CAMPUS KARACHI

TITLE:
GROUND FLOOR BATH DETAILS-01
STATUS:
TENDER DRAWING

REVISED	REVISED	DATE	DESCRIPTION

DATE: JULY -2023
SCALE: N.T.S.
PROJECT NO. 1915
SHEET NO. A-10B



NOTE:
ALL BATH ROOMS ARE 1' SUNK FROM FINISHED FLOORS
EXCEPT WHEEL CHAIR ACCESSIBLE BATHS.

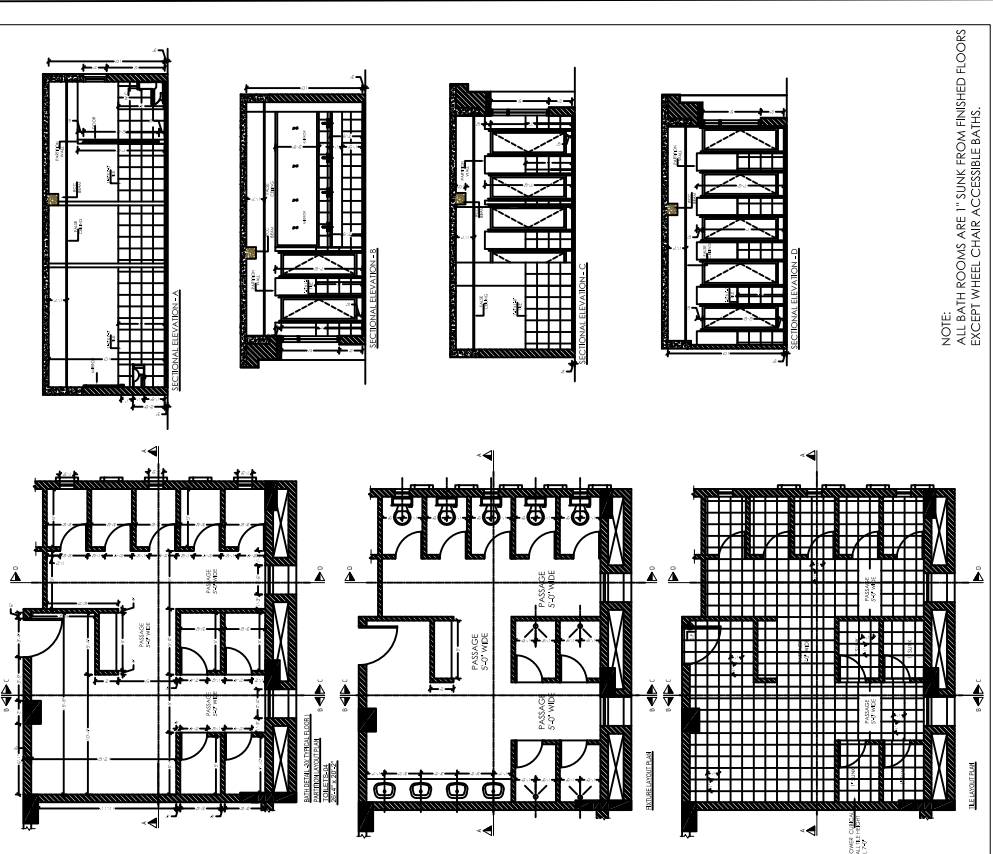
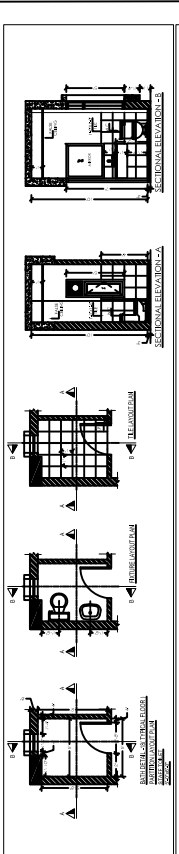
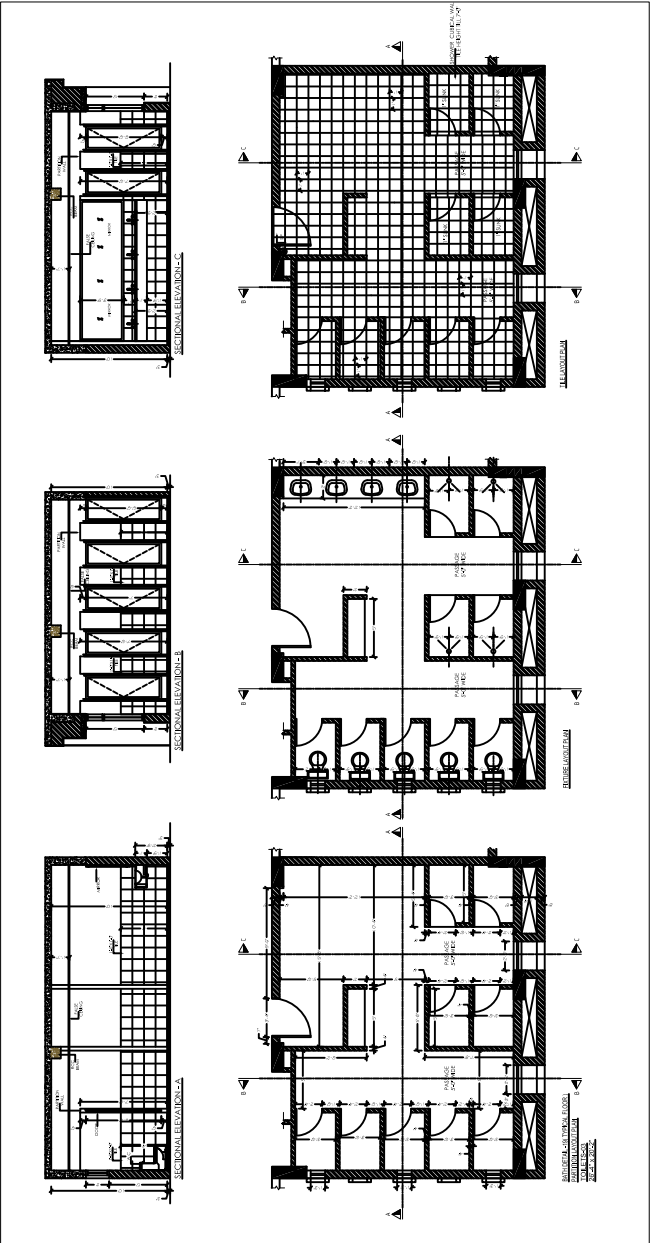
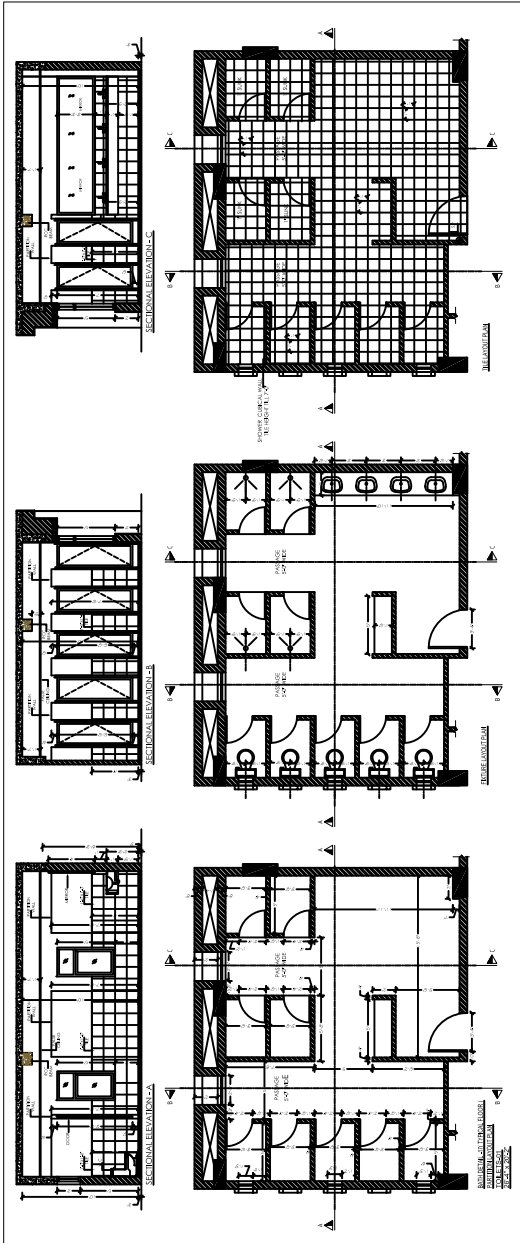
REVISED	REVISION	DATE	DESCRIPTION

PROJECT NO.	1915
DATE	JULY -2023
SCALE	N.T.S
SHEET NO.	A-10c

TITLE	GROUND FLOOR BATH DETAILS-02
STATUS	TENDER DRAWING

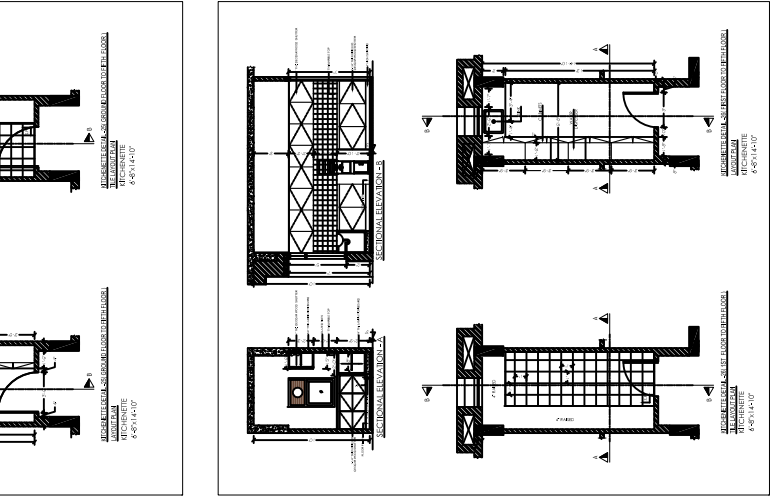
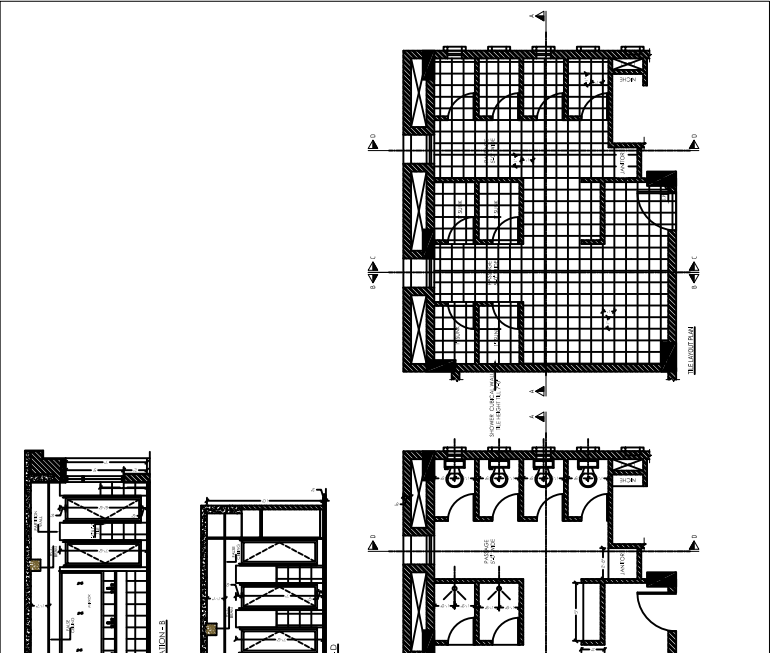
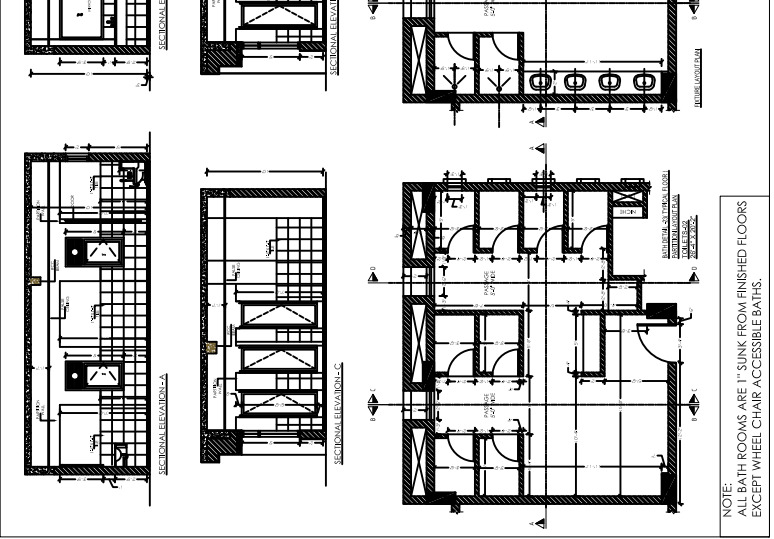
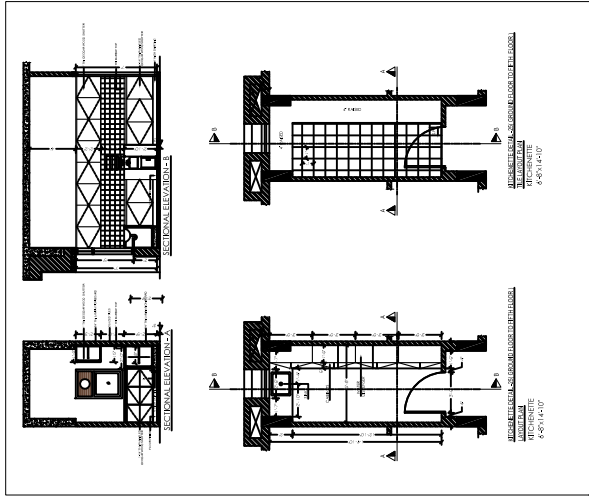
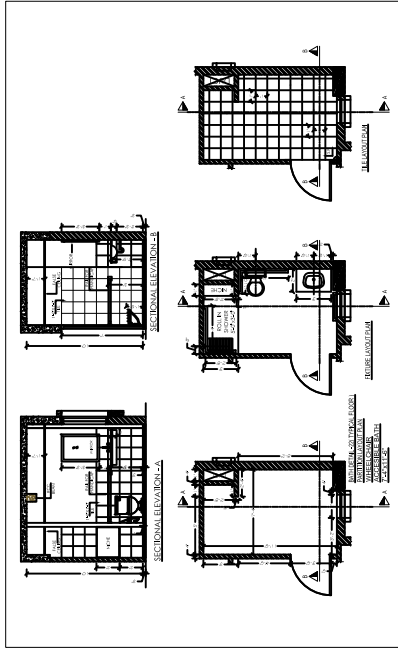
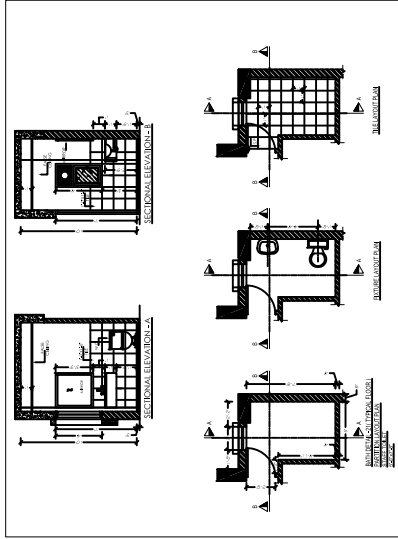
PROJECT:	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI
PROJECT NO.:	1915
DATE:	JULY -2023
SCALE:	N.T.S
SHEET NO.:	A-10c

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.



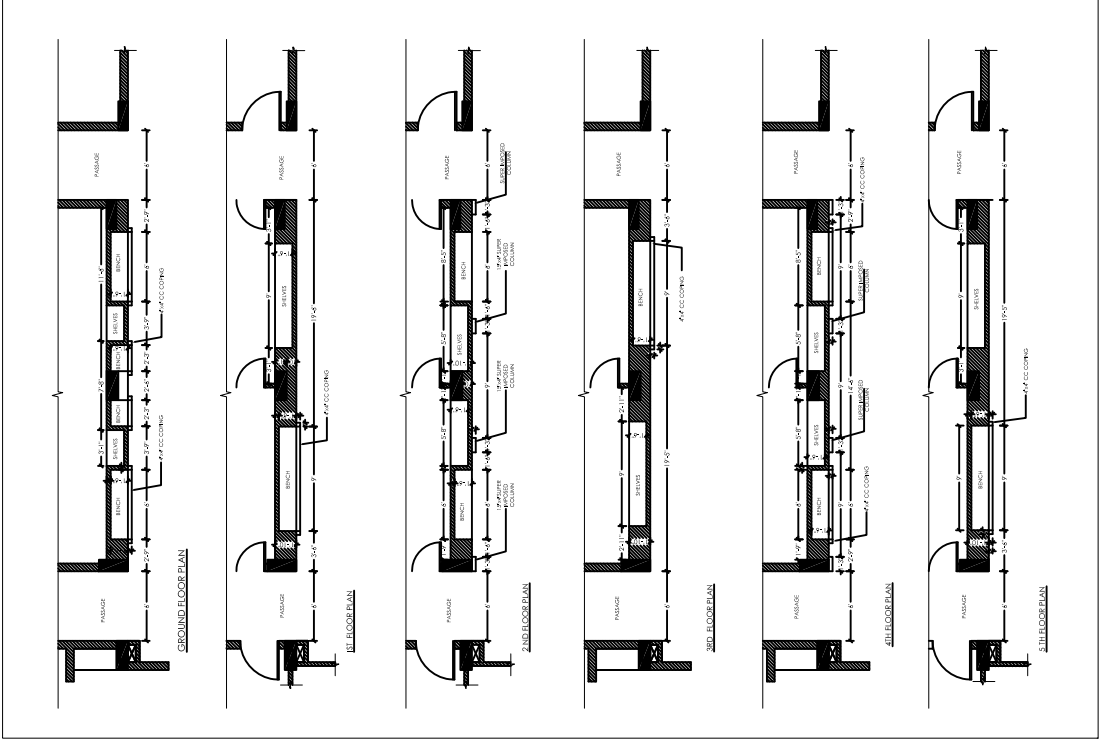
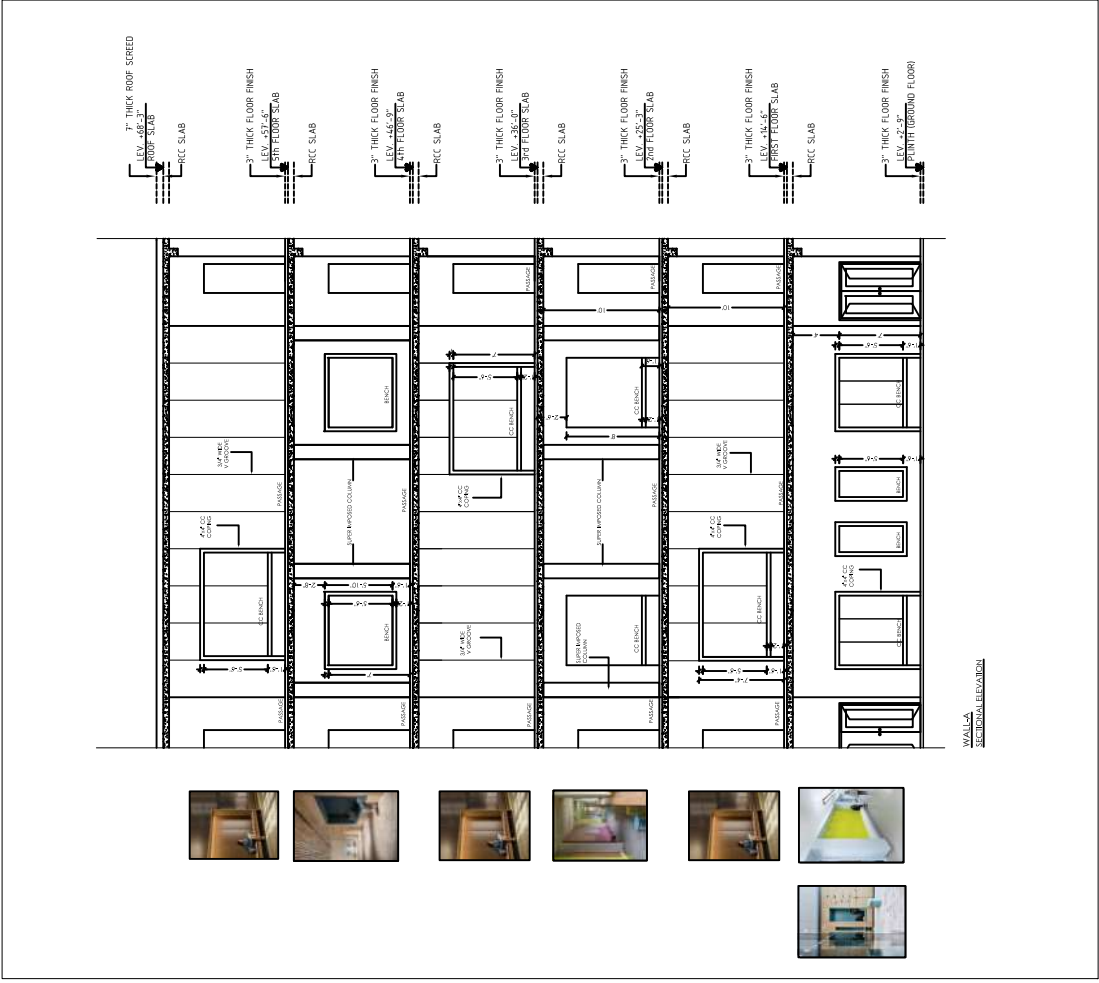
NOTE:
ALL BATH ROOMS ARE 1" SUNK FROM FINISHED FLOORS
EXCEPT WHEEL CHAIR ACCESSIBLE BATHS.

PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	TITLE: TYPICAL FLOOR BATH DETAILS-01	PROJECT NO.: 1915
	STATUS: TENDER DRAWING	DATE: JULY -2023
	REVISIONS:	SCALE: N.T.S
		SHEET NO.: A-10d

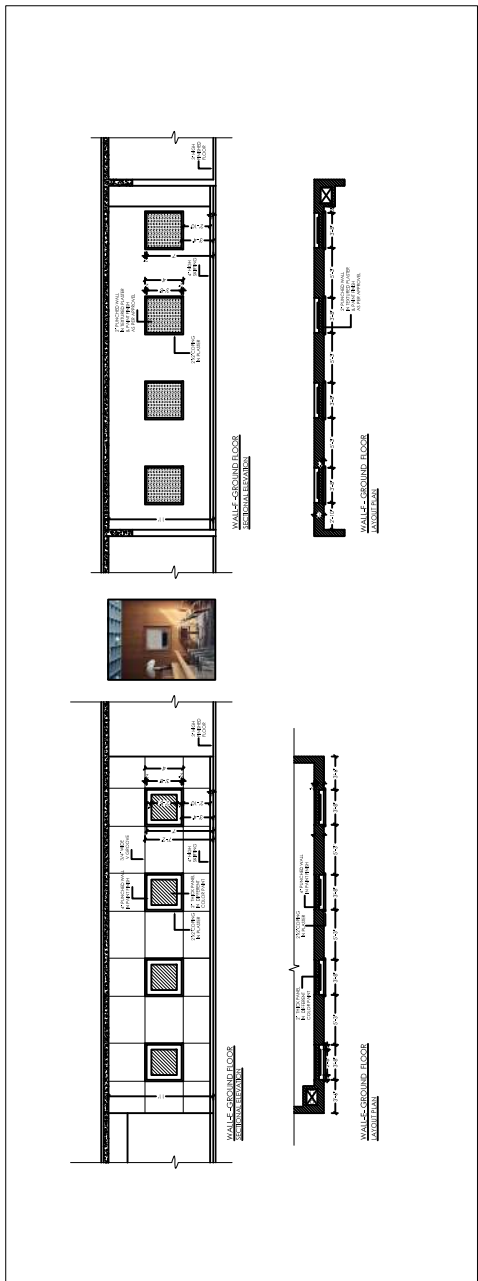
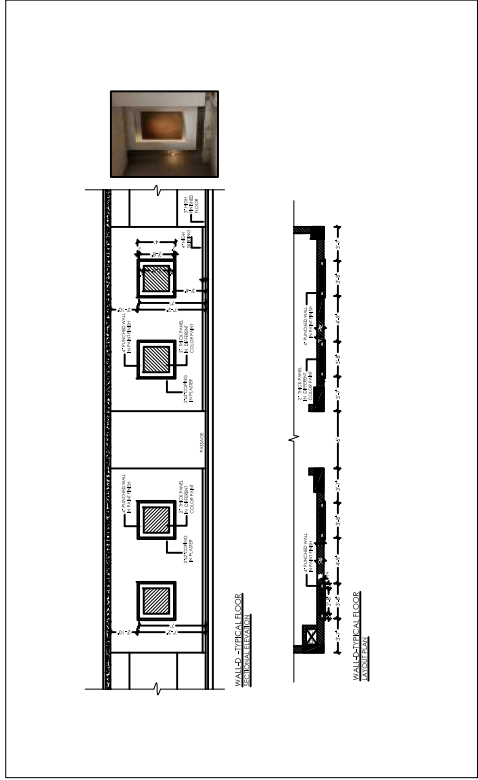
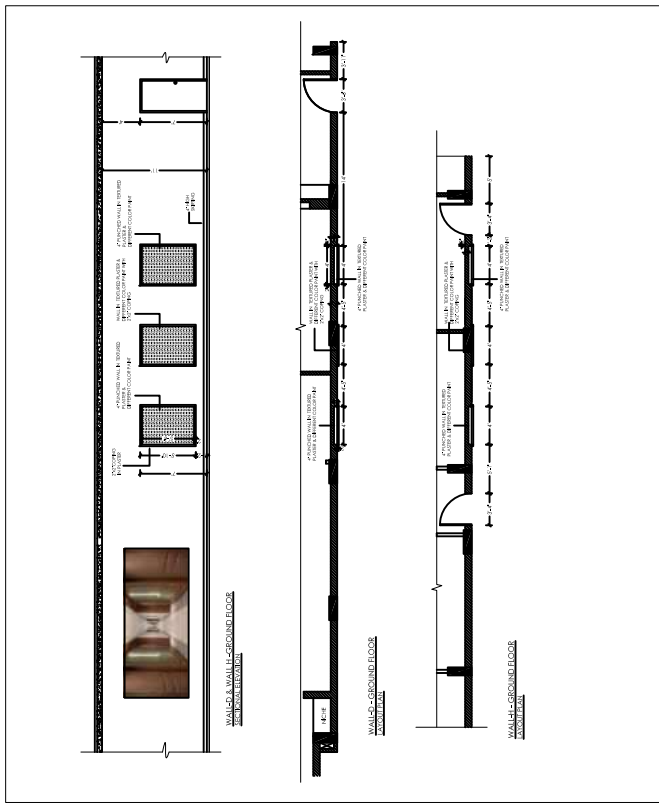
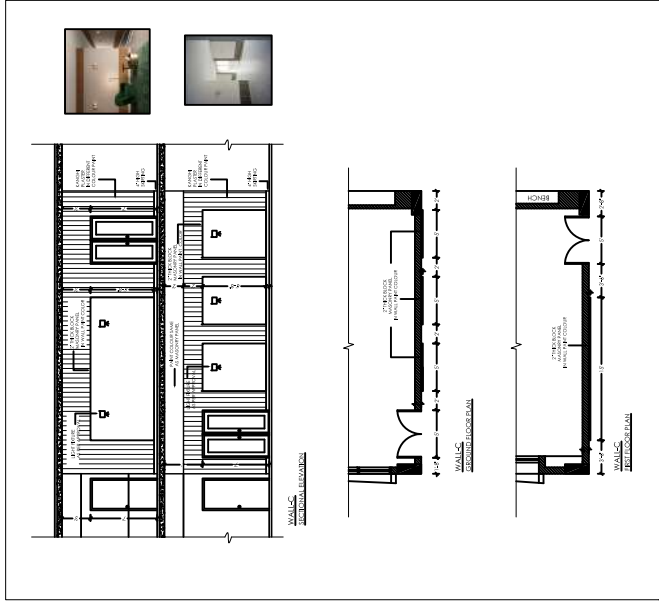
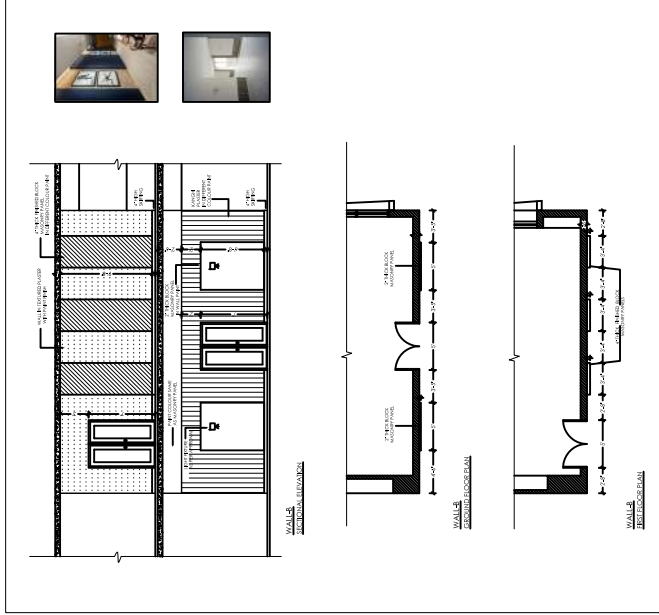


NOTE:
ALL BATH ROOMS ARE 1" SUNK FROM FINISHED FLOORS
EXCEPT WHEEL CHAIR ACCESSIBLE BATHS.

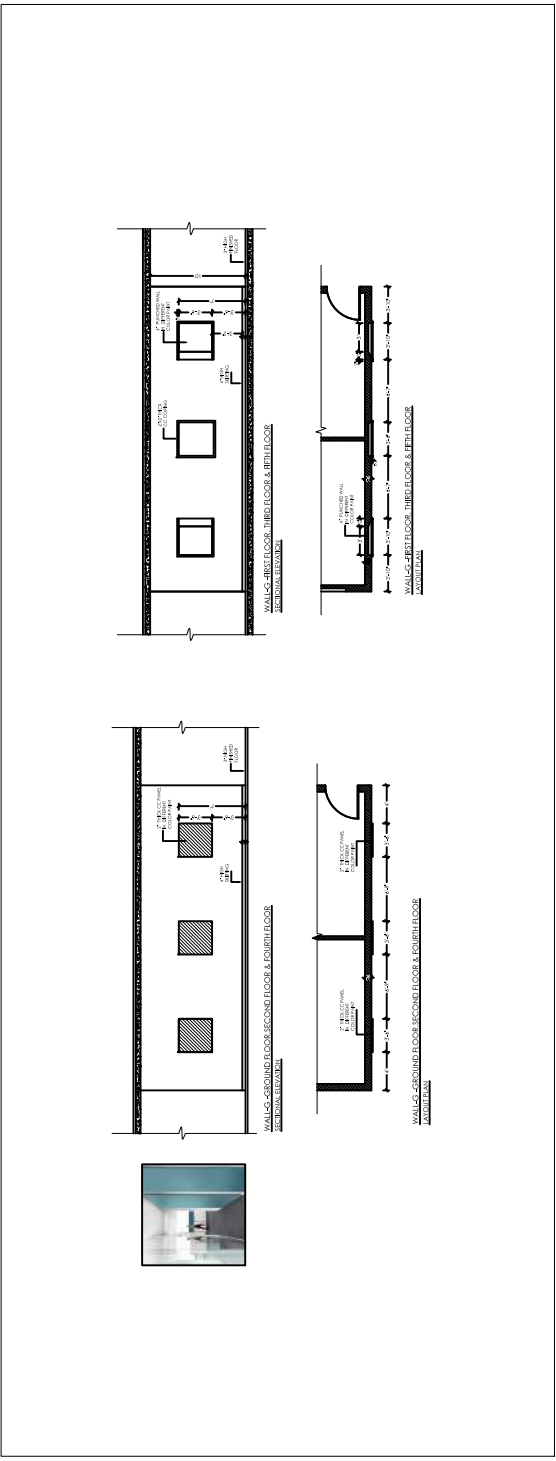
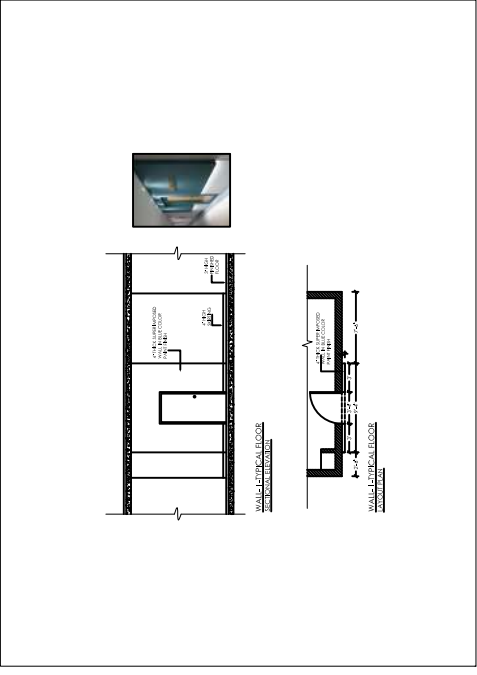
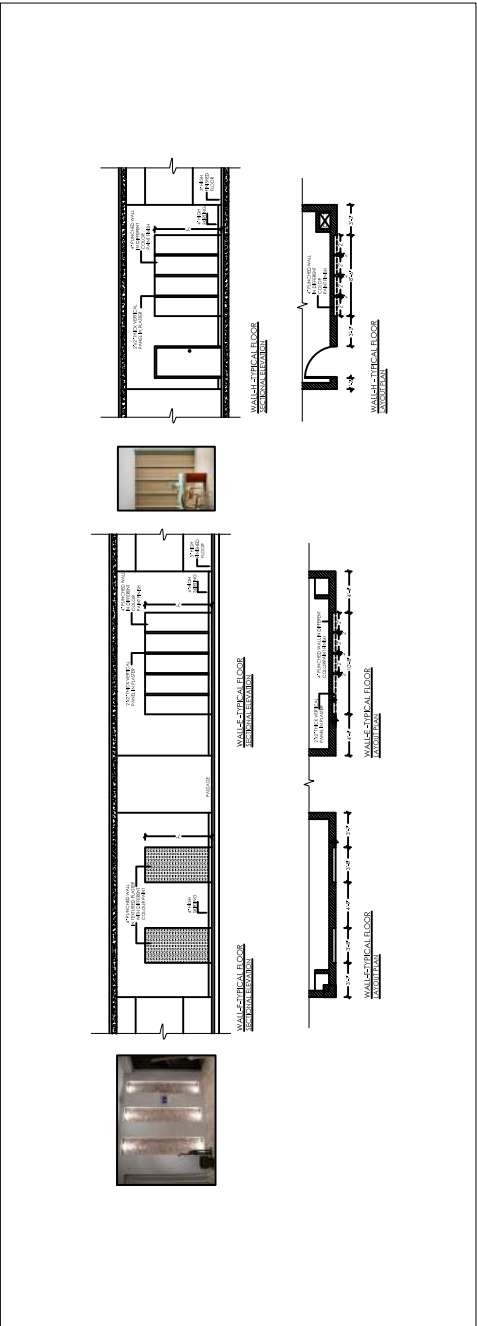
PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI		PROJECT NO. 1915	
TITLE: TYPICAL FLOOR BATH DETAILS-02 & KITCHENETTE DETAILS		DATE: JULY -2023	
STATUS: TENDER DRAWING		SCALE: N.T.S	
SHEET NO. A-106		REVISIONS:	
REVISED	DATE	DESCRIPTION	



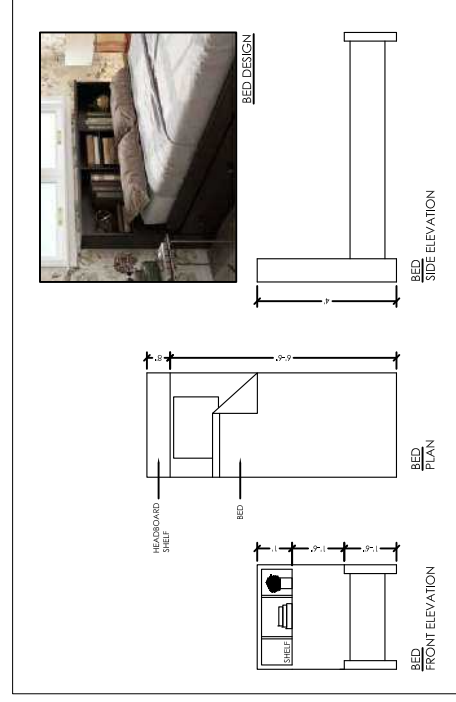
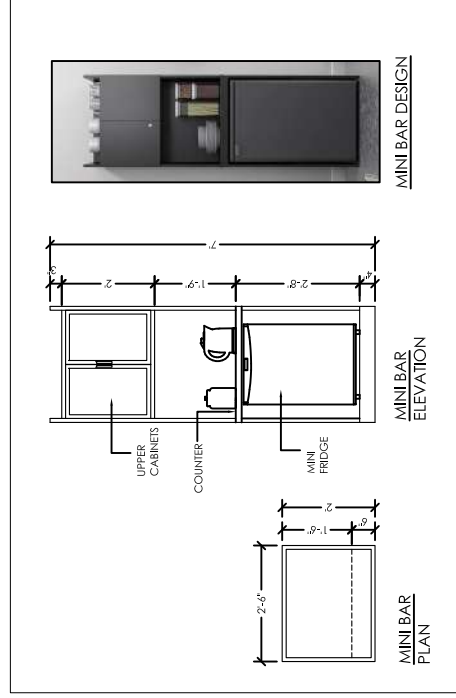
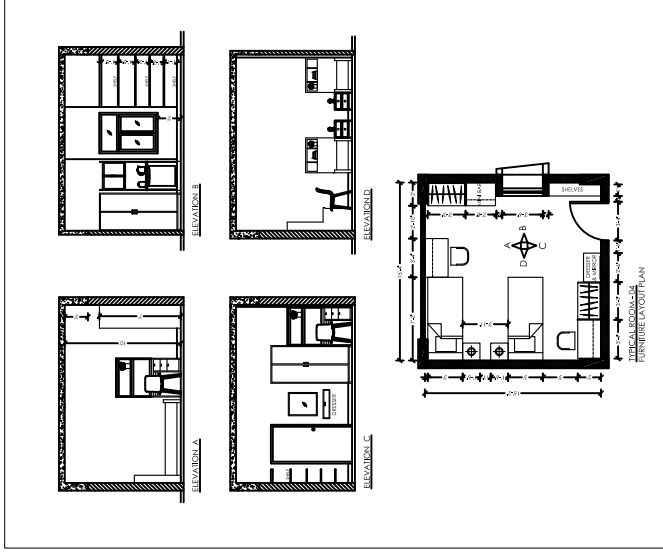
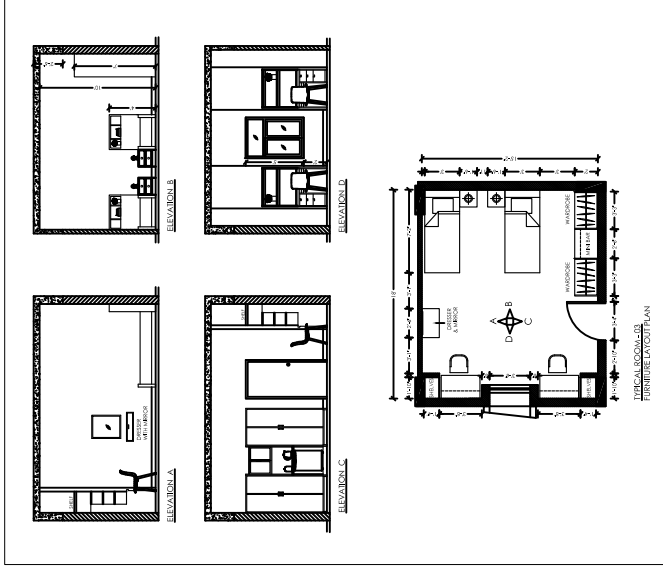
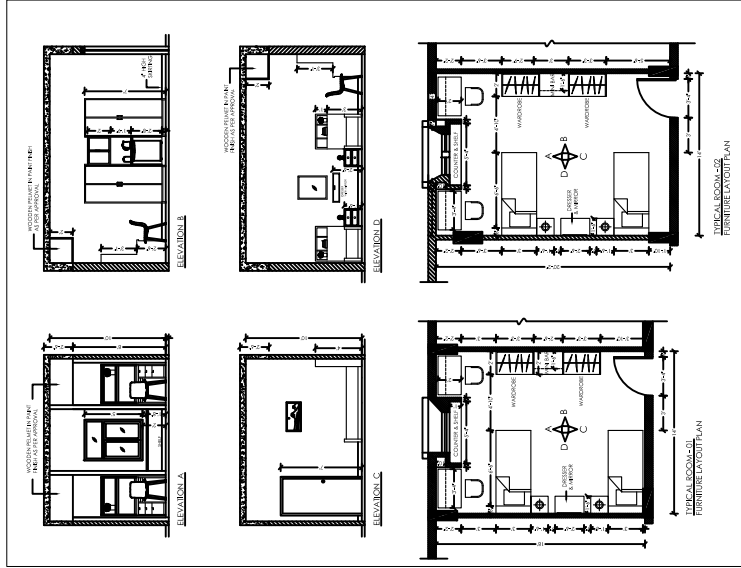
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PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJA CAMPUS KARACHI		DATE: JULY-2023	PROJECT NO.: 1915
TITLE: INTERIOR WALL DETAILS-01		SCALE: N.T.S	SHEET NO.: A-12
STATUS: TENDER DRAWING			



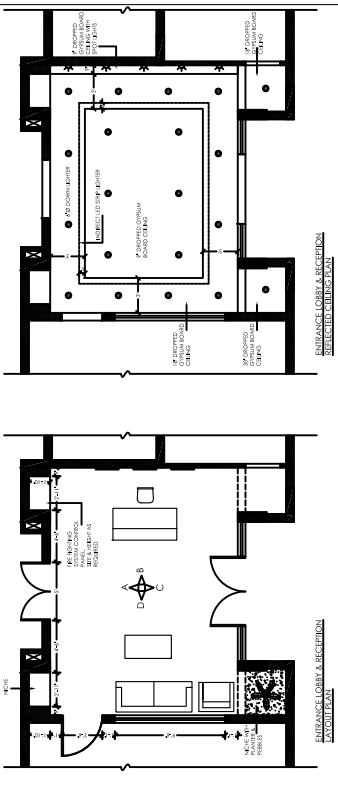
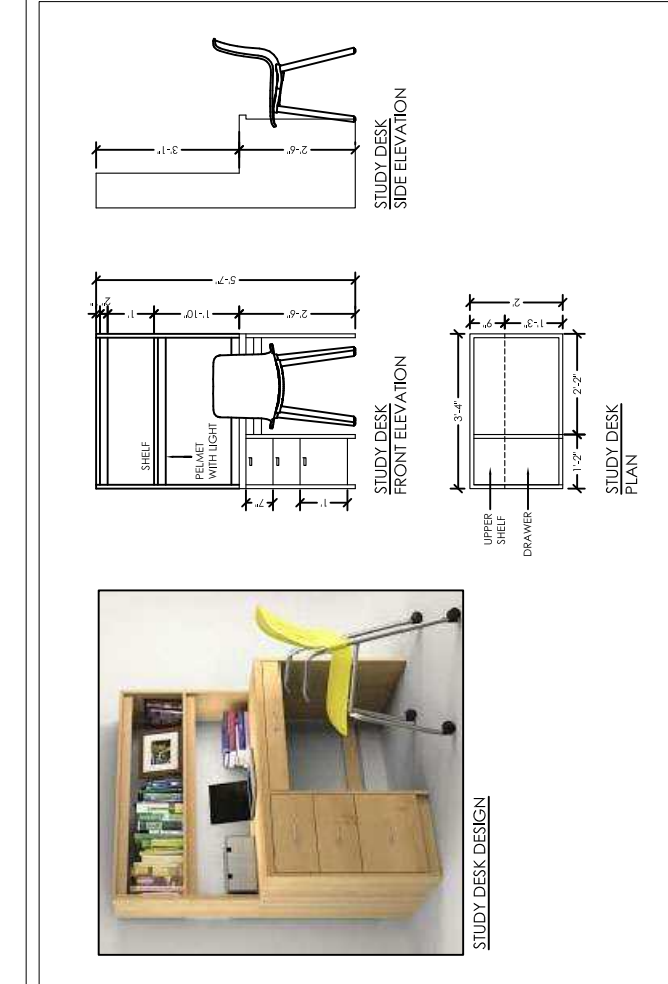
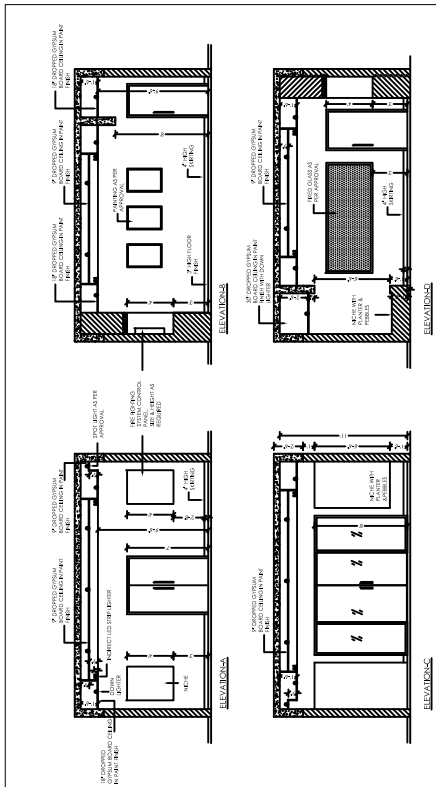
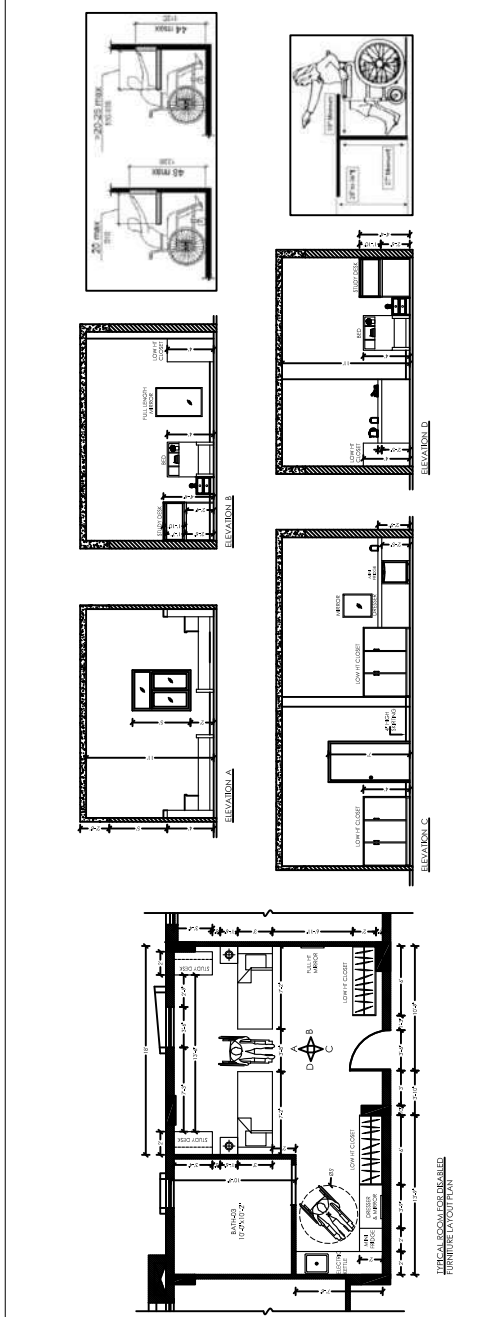
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STATUS: TENDER DRAWING		SCALE: N.T.S	
REVISED	DATE	DESCRIPTION	



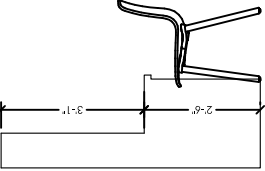
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	PROJECT NO. 1915	
		SHEET NO. A-12b



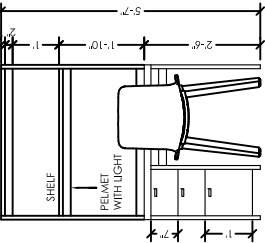
PROJECT: Dow University of Health Sciences, Bab-e-Urdu Road, Karachi, Pakistan.	TITLE TYPICAL ROOMS DETAIL		PROJECT NO. 1915
	STATUS TENDER DRAWING		SHEET NO. A-13
PROJECT: DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	DATE JULY-2023	SCALE N.T.S	PROJECT NO. 1915
PROJECT: DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	DATE JULY-2023	SCALE N.T.S	SHEET NO. A-13
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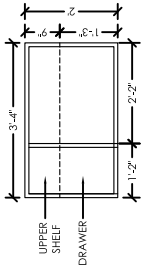
SELECTED CEILING DESIGN



STUDY DESK SIDE ELEVATION



STUDY DESK FRONT ELEVATION



STUDY DESK PLAN



STUDY DESK DESIGN

PROJECT: Dow University of Health Sciences, Babae-Urdu Road, Karachi, Pakistan.	TITLE: TYPICAL ROOMS & RECEPTION DETAIL	DATE: JULY-2023	PROJECT NO.: 1915
	STATUS: TENDER DRAWING	SCALE: N.T.S	SHEET NO.: A-130
REVISIONS		DESCRIPTION	
REVISED	DATE	DESCRIPTION	

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

ELECTRICAL & TELECOM
TENDER DRAWINGS
JULY, 2023

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	
S.#	DRAWING NO. TITLE
1	LIST OF ELECTRICAL DRAWING
2	LEGEND & LIGHT FIXTURES SCHEDULE
3	GENERAL NOTES
SINGLE LINE DIAGRAM	
4	MAIN SINGLE LINE DIAGRAM
5	SINGLE LINE DIAGRAM (SHEET 1 OF 3)
6	SINGLE LINE DIAGRAM (SHEET 2 OF 3)
7	SINGLE LINE DIAGRAM (SHEET 3 OF 3)
LIGHTING LAYOUT	
8	GROUND FLOOR LIGHTING LAYOUT
9	FIRST TO FOURTH FLOOR LIGHTING LAYOUT
10	FIFTH FLOOR LIGHTING LAYOUT
11	ROOF FLOOR LIGHTING AND POWER LAYOUT
POWER, CABLE TRAY & EARTHING LAYOUT	
12	GROUND FLOOR POWER, CABLE TRAY & EARTHING LAYOUT
13	FIRST TO FOURTH FLOOR POWER, CABLE TRAY & EARTHING LAYOUT
14	FIFTH FLOOR POWER, CABLE TRAY & EARTHING LAYOUT

PROJECT	PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.
TITLE	LIST OF ELECTRICAL DRAWINGS
DATE	JULY, 2023
SCALE	NTS
DESIGNED BY	
CHECKED BY	
APPROVED BY	
Dow University of Health Sciences, Rasheedkhan Road, Karachi, Pakistan.	

LEGEND

SYMBOL	DESCRIPTION
POWER	
	DISTRIBUTION BOARD (DB)
	MAIN DISTRIBUTION BOARD (MDB)
	MOTOR CONTROL CENTER (MCC)
	TRIPLE POLE 500 VOLTS ISOLATOR WITH CIRCUIT BREAKER (MCCB) (RUPTRUING CAPACITY AND RATING INDICATED ON THE DRAWINGS)
	MCCB - INDICATES ADJUSTABLE
	SINGLE POLE 250 VOLTS MINIATURE CIRCUIT BREAKER (MCB) (RUPTRUING CAPACITY AND RATING INDICATED ON THE DRAWINGS)
	SINGLE POLE / THREE POLES, 200V / 500V, CONTACTOR "C" INDICATES CIRCUIT CONTROL THROUGH CONTACTOR
	VSS - VOLTMETER SELECTOR SWITCH (7 POSITION)
	ASS - AMMETER SELECTOR SWITCH (R-Y-B-OFF)
	AC AMMETER (96mm x 96mm) (MEASURING RANGE INDICATED ON DRAWING)
	AC VOLTMETER (96mm x 96mm) (MEASURING RANGE INDICATED ON DRAWING)
	INCANDESCENT LAMP R - RED Y - YELLOW B - BLUE
	LED LIGHT FIXTURE (WITH 30 WATTES) WITH DIFFUSER "T1" INDICATES CIRCUIT NUMBER ONE ON PHASE "Y" "T2" INDICATES EXPLOSION PROOF
	54" SHEEP CEILING FAN WITH COPPER WINDING
	48" SHEEP CEILING FAN WITH COPPER WINDING
	14" WALL BRACKET FAN WITH COPPER WINDING
	1.5/1.6 AMPS, 250 VOLTS, INTERNATIONAL SWITCH SOCKET OUTLET "C" INDICATES COMMUNICATION EQUIPMENT "WP" INDICATES WEATHER PROOF
	20 AMPS, 250 VOLTS, DP SWITCH WITH NEON INDICATION "H" INDICATES HAND OPERATOR "HW" INDICATES HEATER
	16 AMPS, 250 VOLTS, 2 PIN + EARTH SCHUKO SOCKET OUTLET "WP" INDICATES WEATHER PROOF
	ON-OFF PUSH BUTTON
	20A SPAN-4E LBS FAN AC
	12 INCH DIA METAL EXHAUST FAN WITH COPPER WINDING
	18 INCH DIA METAL EXHAUST FAN WITH COPPER WINDING
	CLASS 0 PVC PIPE (SIZE AS INDICATED ON DRAWINGS)
	CABLE TRENCH (DIMENSION AS INDICATED ON DRAWINGS)
	EARTH CONNECTING POINT (MINIMUM SIZE 300x30x8 mm)
	EARTH ELECTRODE (ROD TYPE)

LIGHT FIXTURE LEGEND

LIGHT TYPE	DESCRIPTION	TYPE OF LAMP	MINIMUM LUMINOUS FLUX (LM)	MINIMUM LUMINOUS EFFICIENCY (LM/W)	TYPE OF MOUNTING
A1	LIGHT FIXTURE(200MM LONG) WITH POLYCARBONATE HOUSING AND DIFFUSER WITH STAINLESS STEEL BACK AND FRONTR MATERIAL, P 20 INATED, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	3200lm	100	SURFACE/WALL MOUNTED
A2	LIGHT FIXTURE(200MM LONG) WITH POLYCARBONATE HOUSING AND COVER WITH STAINLESS STEEL FRONTR MATERIAL, P 66 RATED, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	1800lm	110	SURFACE/WALL MOUNTED
A3	SURFACE MOUNTED BATHROOM LIGHT FIXTURE BODY MADE OF COLO ROLLED STEEL (CPS) SHEET, PNE TREATED, PAINTED AND STOVE ENAMELED IN WHITE COLOR WITH 2558W FLUORESCENT LAMP, ALONGWITH ACCESSORIES.		4800lm		SURFACE/WALL MOUNTED
A4	LIGHT FIXTURE(200MM LONG) WITH POLYCARBONATE HOUSING AND DIFFUSER WITH STAINLESS STEEL BACK AND FRONTR MATERIAL, P 20 INATED, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	1600lm	100	SURFACE/WALL MOUNTED
A5	PANEL LIGHT FIXTURE (600MM X 600MM) WITH ALUMINUM HOUSING AND STEEL FRONTR, POLYURETHANE OPTIC MATERIAL COVER, WIDE BEAM, AT LEAST 4000LM, P20 INATED, 50,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	4000lm	100	RECESSED
A6	LIGHT FIXTURE(200MM LONG) WITH POLYCARBONATE HOUSING AND DIFFUSER WITH STAINLESS STEEL BACK AND FRONTR MATERIAL, P 20 INATED, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	1600lm	100	SURFACE/WALL MOUNTED
A7	LIGHT FIXTURE(200MM LONG) WITH POLYCARBONATE HOUSING AND COVER WITH STAINLESS STEEL FRONTR MATERIAL, P 66 RATED, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	3000lm	110	SURFACE/WALL MOUNTED
D1	DOWNLIGHTER WITH WHITE PLASTIC HOUSING, WHITE BACK COVER, WITH LARGE DIFFUSER, (P40 INATED, FRONT COVER) AND INTEGRATED DRIVER, 30,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	1500lm	100	RECESSED
D2	DOWNLIGHTER WITH DE-CASTING ALUMINUM HOUSING, PAINTED HOUSING, PS DIFFUSER AND PET REFLECTOR (P44 INATED (FRONT)), 50,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	1500lm	100	RECESSED
D3	DOWNLIGHTER WITH DE-CASTING ALUMINUM HOUSING, PAINTED HOUSING, PS DIFFUSER AND PET REFLECTOR (P44 INATED (FRONT)), 50,000 BURNING HOURS, 4000K COLOR TEMPERATURE	LED	2100lm	100	RECESSED
D4	DOWNLIGHTER WITH PLASTIC HOUSING, ADJUSTABLE, 24" (VERTICAL) MEDIUM BEAM ANGLE WITH GLASS COVER AND ALUMINUM REFLECTOR, P20 INATED, 15,000 BURNING HOURS, 4000 K COLOR TEMPERATURE	LED	500lm	80	RECESSED
D5	OVAL BULBHEAD LIGHT FIXTURE WITH AMT UV POLY CARBONATE HOUSING AND FRONT COVER DIFFUSER, AND STAINLESS STEEL FRONTR MATERIAL, P-54 INATED, 30,000 BURNING HOURS, 3000K/4000K COLOR TEMPERATURE	LED	1400lm	90	WALL MOUNTED
F1	FLOOD LIGHT WITH ALUMINUM DIE-CAST HOUSING, POLYCARBONATE OPTICAL COVER, SYMMETRICAL WIDE BEAM OPTICS, 500 HOURS SALT SPRAY TESTED, P-48 INATED, 4000K COLOR TEMPERATURE	LED	18100lm	130	SUSPENDED
P2	FLOOD LIGHT WITH ALUMINUM DIE-CAST HOUSING, POLYCARBONATE OPTICAL COVER, SYMMETRICAL WIDE BEAM OPTICS, LUMINARY SURGE PROTECTION LEVEL UNTIL 15 KV, ADJUSTABLE MOUNTING BRACKET WITH STEEL FRONTR MATERIAL, 200 HOURS SALT SPRAY TESTED, P-48 INATED, 4000K COLOR TEMPERATURE	LED	13000lm	130	SUSPENDED
P1	FLOOD LIGHT WITH ALUMINUM DIE-CAST HOUSING AND SHIELD, TAPERED GLASS COVER, FRAM LENS AND REFLECTOR, 3000 ADJUSTABLE LIGHTING DIRECTION, ATLEAST 200LM, P 47 INATED, 15,000 BURNING HOURS, 3000K COLOR TEMPERATURE	LED	520lm	60	IN GROUND
EXIT	EXIT LIGHT FIXTURE SELF CONTAINED, MAINTAINED, BODY OF POLYCARBONATE WITH A POLYCARBONATE BEZEL AND POLYCARBONATE LEGEND (DOUBLE/SINGLE SHIED) WITH 3 HRS BATTERY BACK UP	LED	POWER LED		SUSPENDED

GENERAL NOTES

1. FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL ELECTRICAL DRAWINGS. THE INSTALLATIONS 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 CONSIDERED AS FINAL INSTRUCTIONS.
3. ALL ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH BOQ, 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 ELECTRICAL DRAWINGS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL BEFORE COMMENCEMENT OF THE WORK.
6. THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL CALCULATIONS WHEREIN SPECIFIED IN THE RELEVANT SECTIONS OF SPECIFICATION FOR THE APPROVAL OF ENGINEER.
7. PROPER CO-ORDINATION OF ELECTRICAL WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.
8. ALL NON-CURRENT CARRYING PARTS I.e. OUTER CASINGS OF EQUIPMENT SUCH AS MAIN DISTRIBUTION BOARDS / DISTRIBUTION BOARDS AND MOTOR CONTROL CENTERS SHALL BE EARTHED TO THE MAIN EARTHING SYSTEM. WATER PIPES ALONG ELECTRICAL LINE SHALL BE BONDED TO THE EARTHING SYSTEM WITH AT LEAST 10 Sq.mm. SINGLE CORE COPPER CONDUCTOR PVC CABLE.
9. ELECTRICAL POINTS FOR EQUIPMENTS SHALL BE INSTALLED IN CO-ORDINATION WITH ARCHITECTURAL DRAWINGS, PLUMBING ETC. THE LOCATION ON ELECTRICAL DRAWINGS IS ONLY INDICATIVE.
10. 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.
11. LOADS ON ALL PHASES SHALL BE BALANCED AT THE TESTING/COMMISSIONING STAGE.
12. ALL UNDERGROUND PIPES SHALL BE LAID MINIMUM 900 MM BELOW FINAL GROUND LEVEL/TOP OF PAVEMENT, AS MEASURED FROM TOP OF PIPES. THE DEPTH MAY BE INCREASED / DECREASED DUE TO THE SITE CONDITIONS AFTER OBTAINING ENGINEERS APPROVAL.
13. CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER OF 50mm FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.
14. ARRANGEMENT / LOCATION OF SLEEVES FOR INCOMING SUPPLY SHALL BE ADJUSTED AS PER SITE CONDITION.
15. THE COLOR CODE OF CONDUCTOR INSTALLATION SHALL BE AS FOLLOWS:
 - A. LINE – RED
 - B. LINE – YELLOW
 - C. LINE – BLUE
 - D. NEUTRAL – BLACK
 - E. GROUND – GREEN
16. RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER 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 SINGLE CORE CONDUCTOR (ECC) IN RELATION TO THE CROSS SECTIONAL AREA OF ITS PHASE CONDUCTORS. RUN SEPARATE ECC FOR EACH CIRCUIT.
 - ECC & PHASE CONDUCTOR OF SAME SIZE FOR UP TO AND INCLUDING 16 Sqmm PHASES.
 - 16 Sqmm ECC & 25 Sqmm CONDUCTOR OF 16 Sqmm.
 - 25 Sqmm ECC & 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 (IF NOT MENTIONED OTHERWISE).
17. ALL WIRING TO LIGHT AND SOCKET CIRCUITS & FOR CONTROLS SHALL BE CARRIED OUT WITH SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED VOLTAGE GRADE IN SURFACE OR CONCEALED PVC CONDUIT OF SPECIFIED SIZE UNLESS SPECIFICALLY STATED ON DRAWINGS/BOQ.
18. LIGHT CONTROL SWITCH SHALL BE INSTALLED 150 mm. AWAY FROM THE SIDE OF DOOR IN ROOMS.

19. BEFORE DETERMINING THE CUT LENGTHS OF CABLE, THE ACTUAL MEASUREMENT SHALL BE TAKEN FROM THE PANELS / SOCKETS TO THE DISTRIBUTION BOARDS AND SPARE LENGTH FOR LOOPS AS REQUIRED.
20. ALL UNDERGROUND PIPES AFTER INSTALLATION SHALL BE PLUGGED AND SEALED AT BOTH ENDS AND JOINTS TO AVOID INGRESS OF WATER INTO PIPES.
21. THE NO. OF SINGLE CORE CABLES IN ANY CONDUIT SHALL BE DETERMINED SUCH THAT THE RATIO OF SUM OF CROSS-SECTIONAL AREAS OF CABLES INCLUDING PROTECTIVE EARTH CONDUCTOR TO INTERNAL CONDUIT/PIPE AREA 0.4:1.0. WHERE DIFFERENT SIZES OF CABLES RUN IN SAME CONDUIT THE SIZE SHALL BE BASED ON ACTUAL CABLE AREA. WHEREVER CONDUIT SIZE IS NOT SPECIFIED IN DRAWINGS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER. THE ABOVE CRITERIA THE FOLLOWING TABLE IS GIVEN AS GENERAL GUIDELINE.

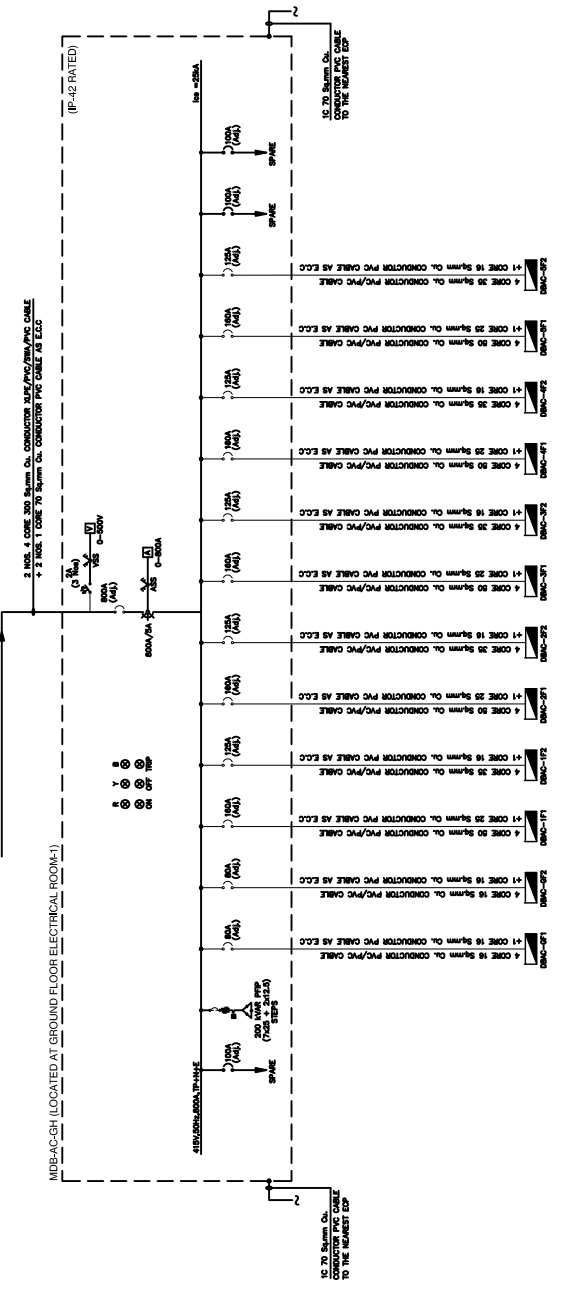
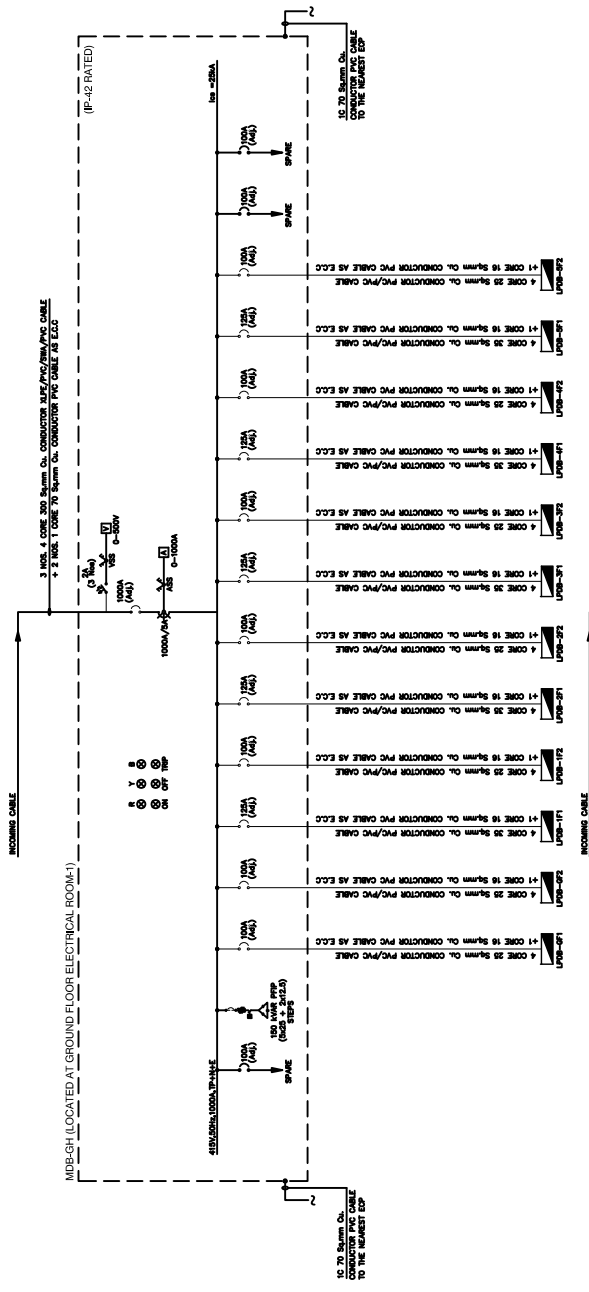
NOMINAL SWG CONDUCTOR SIZE(SQMM)	NO. & DIA OF WIRES	NOMINAL OVERALL DIA (3/4 DIA)	10 MM DIA (1 DIA)	25 MM DIA (3/4 DIA)	32 MM DIA (1 DIA)
1	1.5	1/1.38	3.1	10	18
2	2.5	1/1.78	3.5	8	14
3	3.5	7/0.67	3.8	7	12
4	4	7/0.65	4.3	5	9
5	6	7/1.04	4.9	4	7
6	10	7/1.35	6.2	2	4
7	16	7/1.70	7.3	-	3
8	25	7/2.14	9.0	-	2
9	35	19/1.55	10.3	-	2

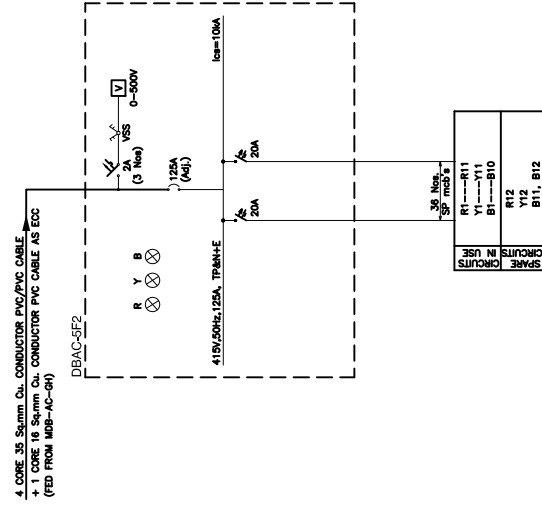
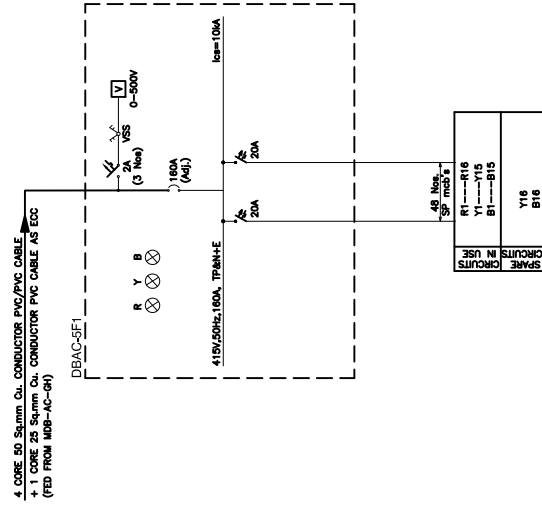
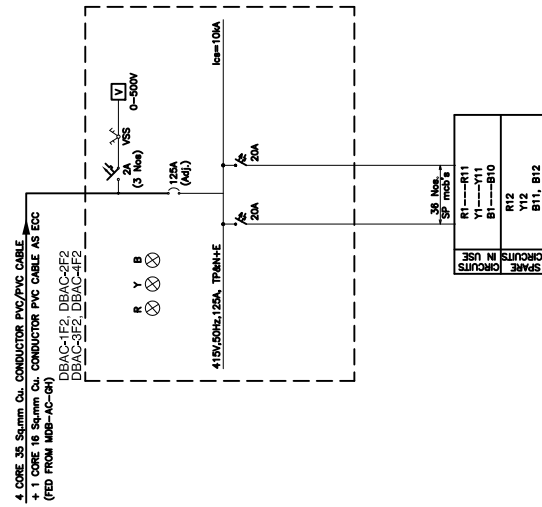
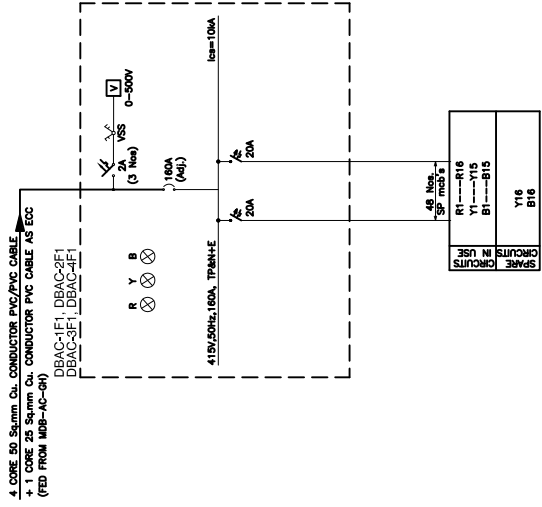
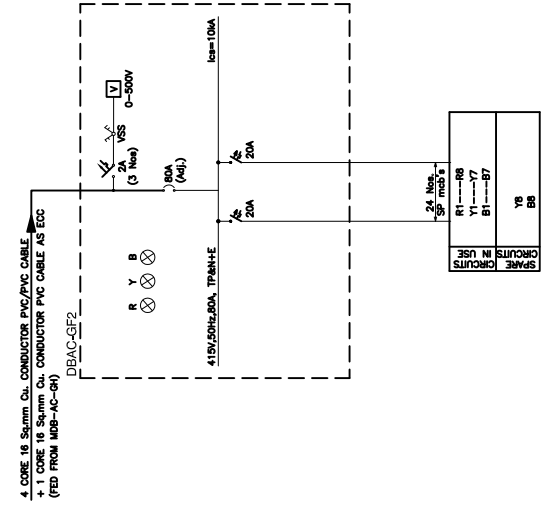
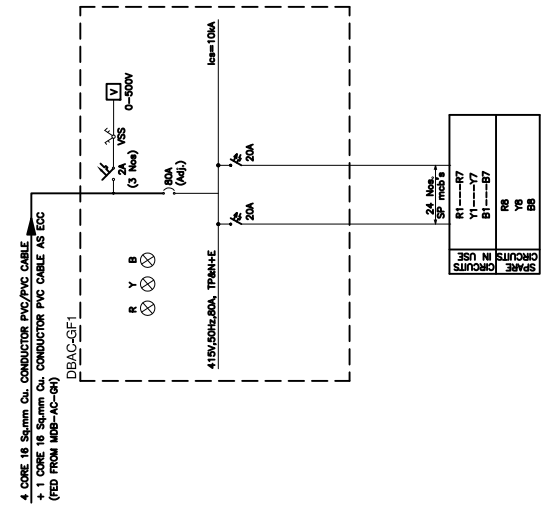
22. ALL UNDERGROUND PIPES, MAN HOLES & HANDHOLES SHALL BE PROPERLY SEALED WATER TIGHT AT ENDS/JOINTS AFTER INSTALLATION.
23. ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED REQUIRED VOLTAGE GRADE AND SIZES.
24. NO JOINT IN WIRES SHALL BE ALLOWED.
25. THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION. ALL ROUGH EDGES OF CONDUITS / ACCESSORIES SHALL BE SMOOTH BEFORE WIRING.
26. 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.

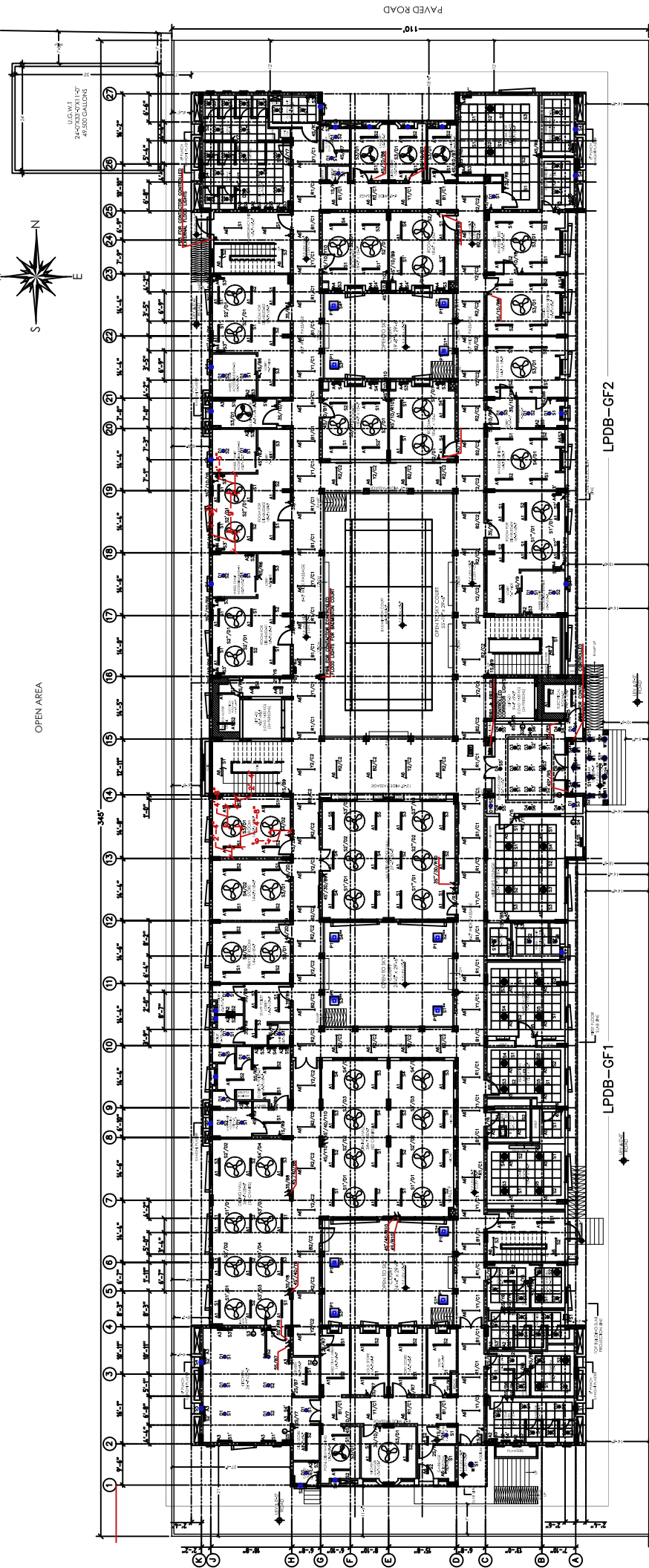
DISTRIBUTION BOARD	1200 mm/AS PER SITE CONDITION
MOTOR CONTROL CENTER	1200 mm/AS PER SITE CONDITION
ON/OFF PUSH BUTTON STATION	1200 mm
LIGHT CONTROL SWITCH	1200 mm
SOCKET OUTLETS IN GENERAL AREAS	250 mm
SOCKET OUTLETS IN KITCHEN	150 mm
27. ALL MCCBs INSTALLED SHALL BE COMPLETE WITH ADJUSTABLE THERMAL AND MAGNETIC SETTINGS OF APPROPRIATE RANGE.
28. ALL MCCBs/MCBs IN THE DISTRIBUTION PANEL BOARDS/PANEL BOARDS SHOWN HEREIN OF THE TYPE SUITABLE FOR PROTECTION INCORPORATING OVER-LOAD AND SHORT CIRCUIT AND OTHER PROTECTING CIRCUITS SHALL BE SELECTED SO THAT THEY ARE ABLE TO BE COORDINATED WITH BOTH THE UPSTREAM PROTECTIVE DEVICE (ALSO EARTH FAULT PROTECTION WHERE SHOWN IN THE DRAWINGS) AND DOWNSTREAM PROTECTION DEVICES.
29. ALL LIGHTING FIXTURES ARE RATED AT 230 VOLTS, 1 PHASE, 50Hz UNLESS MENTIONED OTHERWISE.
30. MINIMUM SIZE OF BRANCH CIRCUIT WIRE SHALL BE 2.5mm² UNLESS INDICATED OTHERWISE.
31. ALL LED LUMINAIRES SHALL HAVE LAMPS OF SAME COLOR TEMPERATURE OF 4000K UNLESS STATED OTHERWISE OR AS INSTRUCTED BY THE PROJECT ARCHITECT.
32. ARCHITECTURAL REFLECTED CEILING PLAN AND FURNITURE LAYOUT ON FINAL LED MODEL INDICATED IS SUBJECT TO CHANGE BASED ON THE ACTUAL BRAND TO BE USED IN LINE WITH THE SUITABLE LUX LEVEL CRITERIA.

PROJECT	PROPOSED GIRLS HOSTEL AT OHA CAMPUS, DUHS JABALPUR
TITLE	GENERAL NOTES
ISSUE NO.	PRELIMINARY DRAWING
DATE	JULY, 2023
SCALE	NOTS
DESIGNED BY	
CHECKED BY	
DATE	

Datta University of Health Sciences,
Bhopal Road, Jabalpur, Madhya Pradesh







GROUND FLOOR PLAN

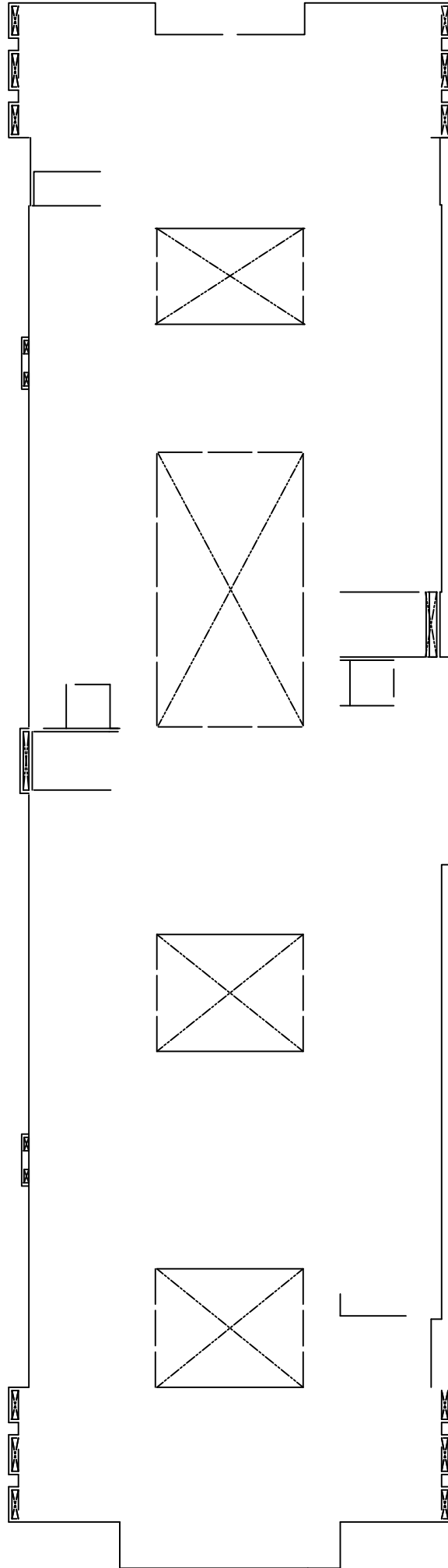
PAVED ROAD

LPDB-GF2

LPDB-GF1

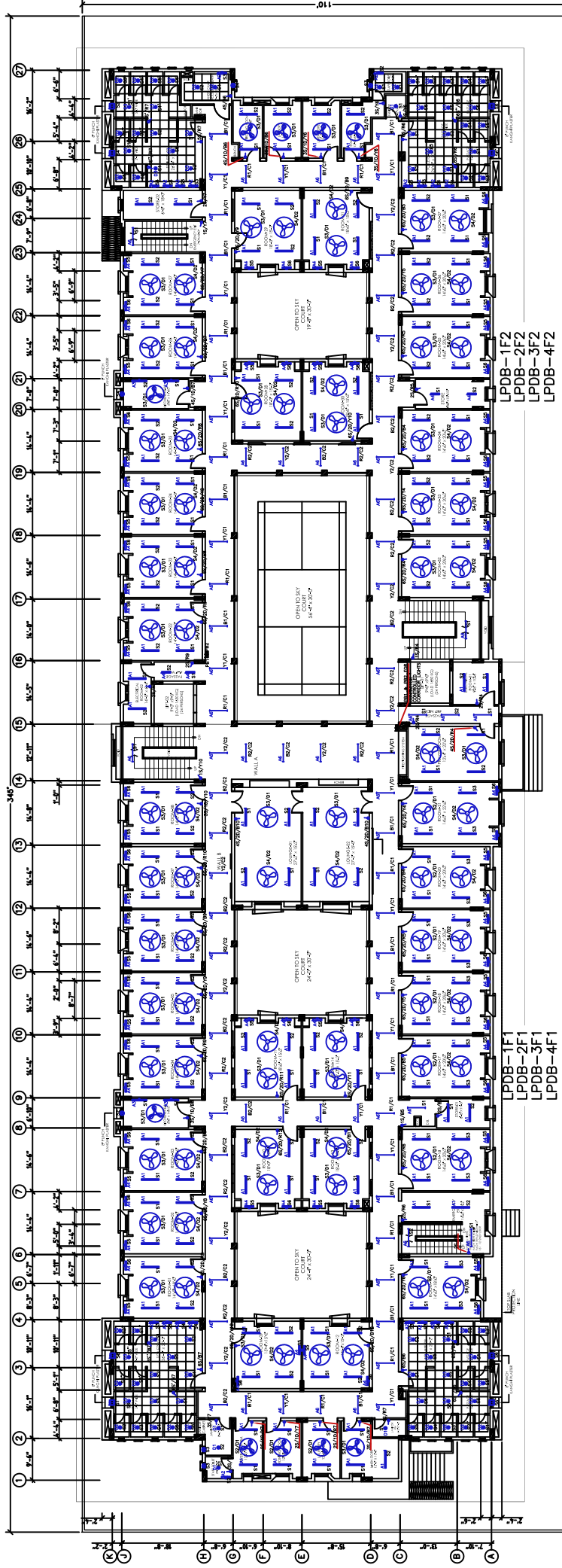
- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS / DIMENSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. REVISIONS SHALL BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 'FINISHED FLOOR LEVEL'.
 7. 7. FT TYPE FLOOD LIGHTS SHALL BE INSTALLED AT SUITABLE HEIGHT TO LIT FACADE OF THE BUILDING.

PROJECT: Dow University of Health Sciences, Baboe-Urao Road, Karachi, Pakistan.	TITLE: LIGHTING LAYOUT		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-01a
REVISED:	DATE:	BY:	CHECKED BY:	





OPEN AREA



PAVED ROAD

1ST TILL 4 TH FLOOR PLAN

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS AS PER COMMENTS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. MEASUREMENTS SHALL BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE S' FINISHED FLOOR LEVEL.

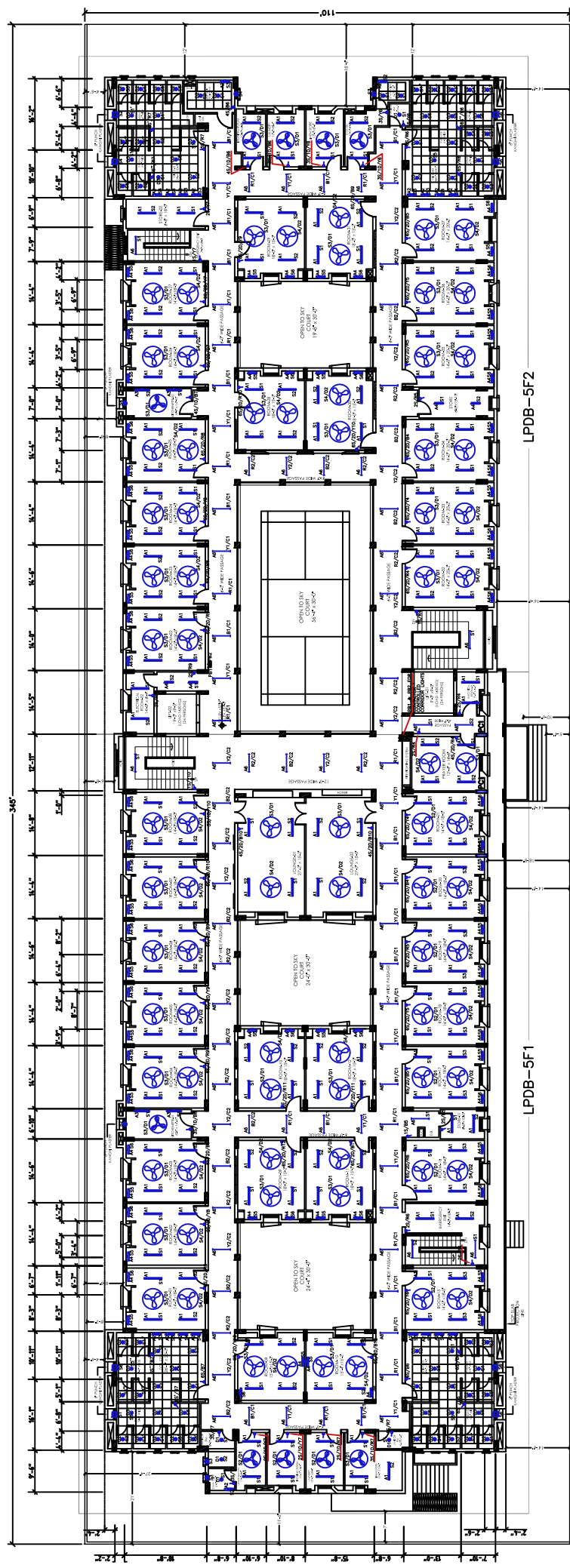
LPDB-1F1
LPDB-2F1
LPDB-3F1
LPDB-4F1

LPDB-1F2
LPDB-2F2
LPDB-3F2
LPDB-4F2

PROJECT: Dow University of Health Sciences, Bahadur-Urdu Road, Karachi, Pakistan.	TITLE: LIGHTING LAYOUT	DATE: JUNE -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING	SCALE: 1/8" = 1'-0"	SHEET NO: A-01b
REVISIONS:	REVISED:	DATE:	PROJECT NO:



OPEN AREA



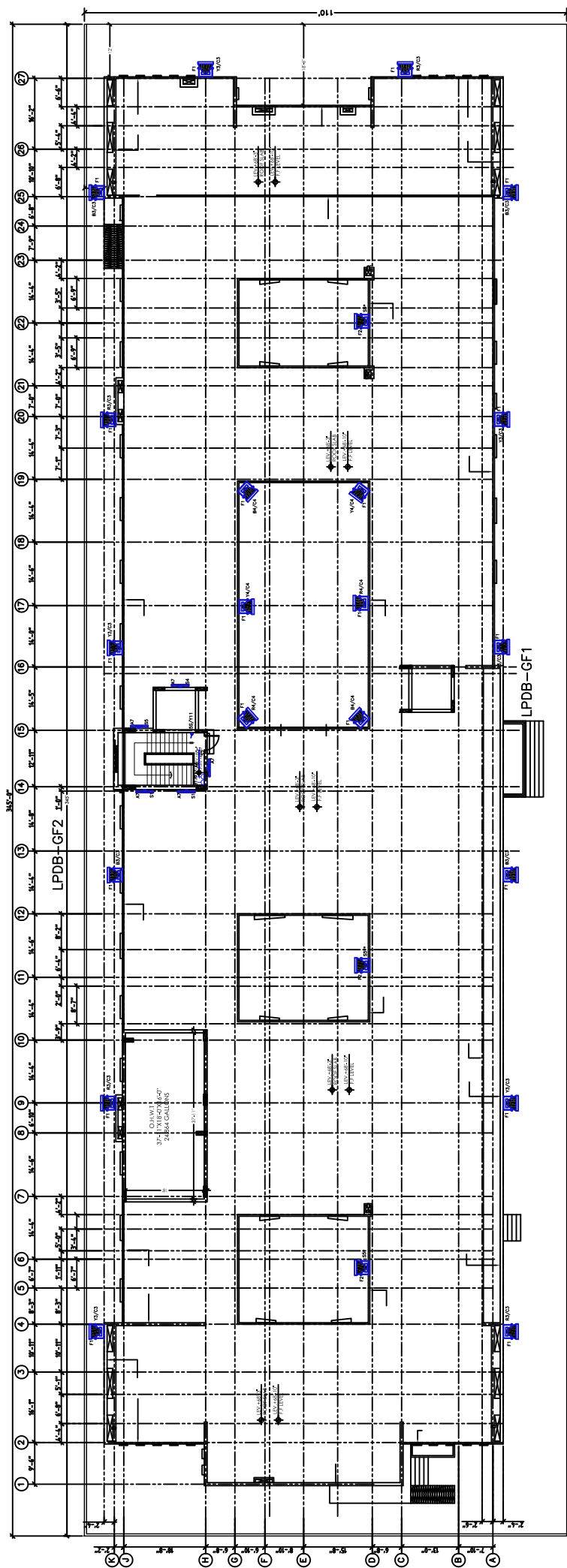
PAVED ROAD

LPDB-5F2

LPDB-5F1

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS MENTIONED TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL WORKS SHOULD BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE S' FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Babae-Urdu Road, Karachi, Pakistan.	TITLE: LIGHTING LAYOUT	DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING	SCALE: 1/8" = 1'-0"	SHEET NO: A-01C
REVISED:	REVISION:	DATE:	PROJECT NO:

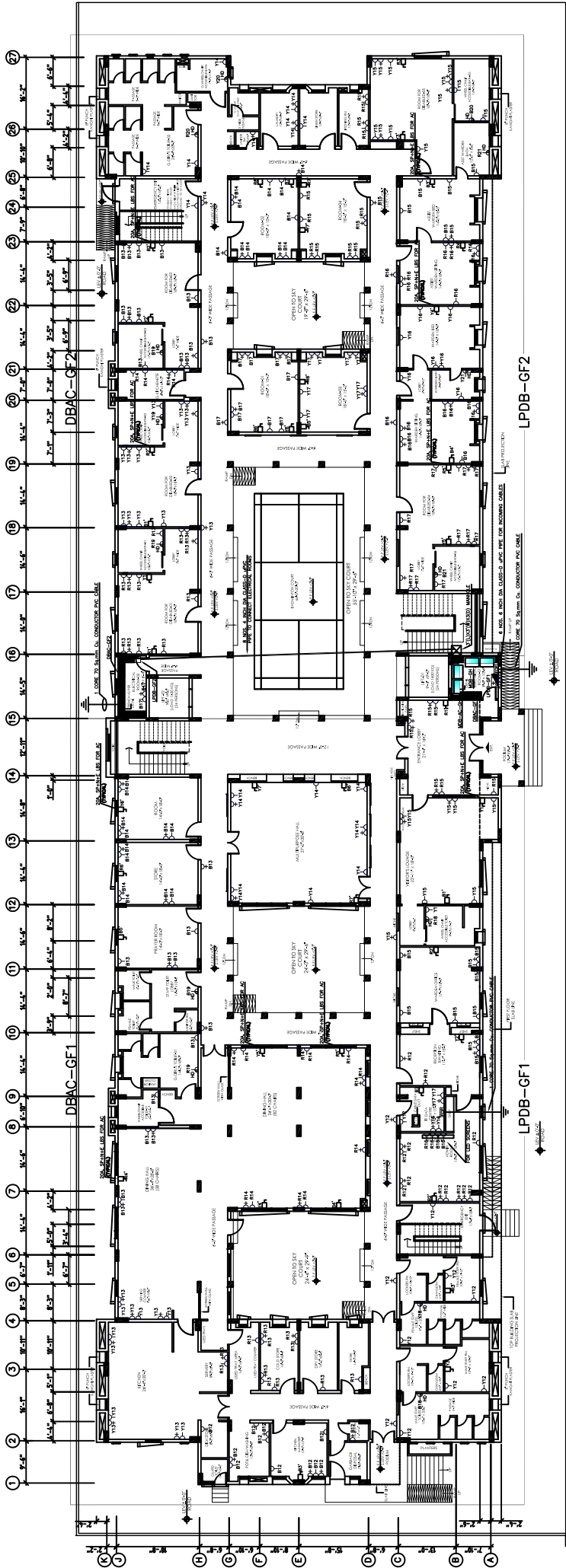


- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS/OMISSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL LIGHTING FIXTURES TO BE INSTALLED IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDE ST FINISHED FLOOR LEVEL.
 8. ALL TYPE FLOOD LIGHTS SHALL BE INSTALLED APPROPRIATELY TO UT FACADE OF THE BUILDING.

PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	PROJECT NO: 1715	
	DATE: JULY -2023	SHEET NO: A-01d
TITLE: LIGHTING AND POWER LAYOUT		SCALE: 1/8" = 1'-0"
STATUS: TENDER DRAWING		
REVISED:	DATE:	



OPEN AREA



GROUND FLOOR PLAN

PAVED ROAD

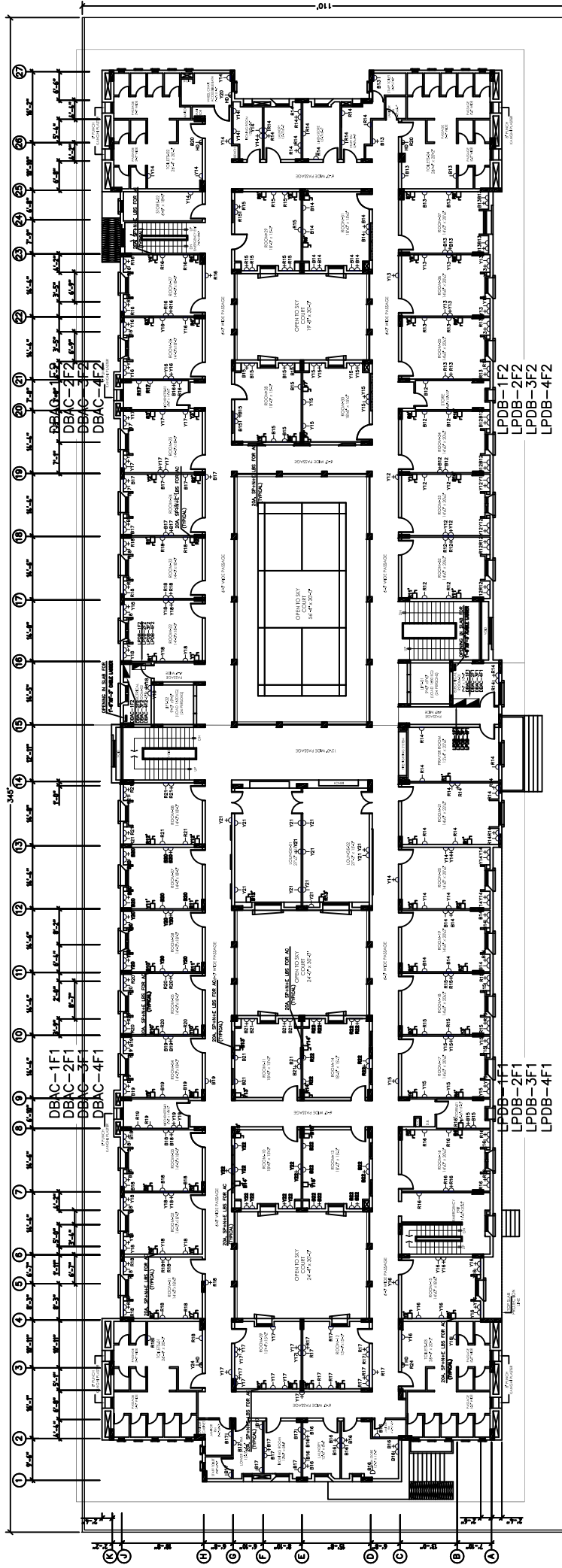
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS DIMENSIONS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. REVISIONS SHALL BE IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE OF FINISHED FLOOR LEVEL.
 7. FT TYPE FLOOD LIGHTS SHALL BE INSTALLED AT SUITABLE HEIGHT TO LIT FACADE OF THE BUILDING.

PROJECT: Dow University of Health Sciences, Bab-e-Jrdi Road, Karachi, Pakistan.	TITLE: POWER LAYOUT	DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING	SCALE: 1/8" = 1'-0"	SHEET NO: A-01a
REVISIONS:	REVISED:	DATE:	PROJECT NO:



OPEN AREA



PAVED ROAD

1ST TILL 4 TH FLOOR PLAN

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE.
 2. CORRECT ALL THE ERRORS DISCUSS TO THE CONSULTANTS.
 3. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 4. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 5. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 6. ALL THE WORK SHALL BE IN ACCORDANCE WITH OTHER RELATED DRAWINGS.
 7. PLANS AND SECTIONS INCLUDES FINISHED FLOOR LEVEL.

PROJECT: Dow University of Health Sciences, Bab-e-Jrdi Road, Karachi, Pakistan.	REVISIONS:	DATE:	PROJECT NO:
			1715
PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJA CAMPUS KARACHI	TITLE:	DATE:	PROJECT NO:
	POWER LAYOUT	JULY -2023	1715
PROJECT: Dow University of Health Sciences, Bab-e-Jrdi Road, Karachi, Pakistan.	STATUS:	SCALE:	SHEET NO:
	TENDER DRAWING	1/8" = 1'-0"	A-01b

PROPOSED GIRLS HOSTEL AT OJHA CAMPCUS, DUHS KARACHI	
S.#	DRAWING NO. TITLE
1	LIST OF TELECOMMUNICATION DRAWING
2	LEGEND & GENERAL NOTES
SCHEMATIC DRAWINGS	
3	STRUCTURED CABLING NETWORK (SCN), ACS, & CLOSED CIRCUIT TELEVISION (CCTV) SYSTEMS SCHEMATIC DRAWING
4	CABLE ANTENNA TV (CATV) SYSTEM SCHEMATIC DRAWING
5	ADDRESSABLE FIRE ALARM SYSTEM SCHEMATIC DRAWING
STRUCTURED CABLING NETWORK, ACS, CCTV & CATV SYSTEMS LAYOUT DRAWINGS	
6	GROUND FLOOR STRUCTURED CABLING NETWORK, ACS, CCTV & CATV SYSTEMS LAYOUT
7	FIRST TO FOURTH FLOOR STRUCTURED CABLING NETWORK, ACS, CCTV & CATV SYSTEMS LAYOUT
8	FIFTH FLOOR STRUCTURED CABLING NETWORK, ACS, CCTV & CATV SYSTEMS LAYOUT
ADDRESSABLE FIRE ALARM SYSTEM LAYOUT DRAWINGS	
9	GROUND FLOOR ADDRESSABLE FIRE ALARM SYSTEM LAYOUT
10	FIRST TO FOURTH FLOOR ADDRESSABLE FIRE ALARM SYSTEM LAYOUT
11	FIFTH FLOOR ADDRESSABLE FIRE ALARM SYSTEM LAYOUT

PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI	
TITLE: LIST OF TELECOMMUNICATION DRAWINGS	
DATE: JULY, 2023	REVISION:
DRAWN: NTS	CHECKED:
Drew University of Health Sciences, Islamabad Road, Karachi Pakistan.	

GENERAL NOTES:

- 1- CONTRACTOR IS TO CO-ORDINATE AT SITE WITH OTHER SERVICES FOR EXACT LOCATION AND POSITION OF CONDUITS AND COMMUNICATION EQUIPMENT/DEVICES.
- 2- ALL COMMUNICATION DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS, BOQ, ARCHITECTURE, ELECTRICAL, STRUCTURE, PLUMBING DRAWINGS AND ALL OTHER RELEVANT DETAILS.
- 3- DIMENSIONS AND SEVERITIES GIVEN IN LAYOUTS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK ALL ACTUAL DIMENSIONS/MENSUREMENTS ACCORDING TO STRUCTURE AND ARCHITECTURE DRAWINGS.
- 4- ALL UNDERGROUND PIPES, MAN HOLES / HANDHOLES SHALL BE PROPERLY SEALED WATER TIGHT AT ENDS/JUNCTIONS AFTER INSTALLATION.
- 5- MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR INSTALLATION OF ALL COMMUNICATION SYSTEMS.
- 6- THE CONTRACTOR SHALL TAKE THE RESPONSIBILITIES AS GENERAL INTEGRATOR FOR ALL THE SUB-SYSTEMS AND EQUIPMENT WITHIN THE SCOPE OF WORK INCLUDING INTERFACES WITH OTHER SYSTEMS.
- 7- ALL COMMUNICATION SYSTEMS SHALL BE FED FROM UNINTERRUPTED POWER SUPPLY (UPS).
- 8- CONDUIT SHALL BE SIZED ACCORDING TO CLAUSE 4.4.2.4 OF EA/7/1A 569 STANDARD AS GIVEN BELOW.

CONDUIT TRADE SIZE	CONDUIT SIZING	
	MAXIMUM NUMBER OF CABLES BASED UPON ALLOWABLE FILL	CABLE OUTSIDE DIAMETER, mm (in)
mm (in)	3.3 (1/8)	4.6 (1/4)
21 (3/4)	5.6 (1/4)	6.1 (1/4)
27 (1)	7.4 (3/4)	7.9 (3/4)
35 (1 1/4)	9.4 (3/4)	13.5 (1/2)
41 (1 1/2)	11.8 (1/2)	15.8 (1/2)
53 (2)	14.2 (1/2)	20 (1/2)
63 (2 1/2)	17.4 (1/2)	22 (1/2)
76 (3)	20 (1/2)	26 (1/2)
91 (3 1/2)	24 (1/2)	30 (1/2)
103 (4)	28 (1/2)	34 (1/2)

9- EN 5074-2 RECOMMENDATIONS SHALL BE FOLLOWED FOR SEPARATION DISTANCE BETWEEN POWER AND VOICE/LAN NETWORK CABLES IN GIVEN BELOW TABLE.

TYPE OF INSTALLATION	MINIMUM SEPARATION DISTANCE (mm)	
	WITHOUT METALLIC DIVIDER	WITH METALLIC STEEL DIVIDER
UNSCREENED POWER CABLES AND COMMUNICATION CABLES	200	100
UNSCREENED POWER CABLES AND SCREENED COMMUNICATION CABLE	50	20

- 10- COLOUR, SHAPE & MOUNTING HEIGHT OF FACE PLATE OF TELECOM SOCKET OUTLETS SHALL MATCH WITH THE ELECTRICAL SOCKET OUTLET.
- 11- CONTRACTOR SHALL SUBMIT CO-ORDINATION SHOP DRAWING OF COMMUNICATION LAYOUT WITH OTHER SERVICES LAYOUT BEFORE EXECUTION OF WORKS.
- 12- MOUNTING HEIGHT OF FOLLOWING DEVICES SHALL BE INSTALLED AT THE INDICATED HEIGHT FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF DEVICE UNLESS OTHERWISE MENTIONED OR INSTRUCTED:
 - TELEPHONE/ALAN----- 250mm
 - TELECOMMUNICATION OUTLET FOR IP TELEPHONE/LAN----- 220mm/AS PER SITE
 - FLOOR DISTRIBUTOR BACK----- 220mm/AS PER SITE
 - BUILDING DISTRIBUTOR BACK----- FLOOR STANDING/220mm
 - TV OUTLET----- 220mm/AS PER SITE
 - CATV CABINET----- 140mm/AS PER SITE
 - CAMERA INSIDE BUILDINGS----- 220mm/AS PER SITE CONDITION

LEGEND:

- ☐ TELEPHONE & LAN NETWORK
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE, WALL MOUNTED
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR WIRELESS ACCESS POINT, WALL MOUNTED
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE OR DATA, WALL MOUNTED
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE OR DATA, FURNITURE MOUNTED
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE AND DATA, WALL MOUNTED
- ☐ ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE AND DATA, FURNITURE MOUNTED
- ☐ CLASS 'D' UPVC PIPE INSTALLED UNDER FLOOR/GROUND
- ☐ RCC HANDHOLE OF INTERNAL DIMENSION 600mm (LENGTH) X 600mm (WIDTH) X 600mm (DEPTH) INCLUDING EXCAVATION, BACKFILLING AND CONSTRUCTION OF RCC WALL AND SLABS, PROVIDING HEAVY DUTY CI COVER OF SIZE 450mm DIA FRAME, COMPLETE IN ALL RESPECT
- FD-XX-XX FLOOR DISTRIBUTOR
- BD-XX-XX BUILDING DISTRIBUTOR
- ☐ ADDRESSABLE FIRE ALARM SYSTEM
- ☐ INTELLIGENT ADDRESSABLE LOOP POWERED OPTICAL SMOKE DETECTOR WITH BASE & BUILT-IN ISOLATOR.
- ☐ INTELLIGENT ADDRESSABLE LOOP POWERED HEAT DETECTOR WITH BASE & BUILT-IN ISOLATOR.
- ☐ ADDRESSABLE LOOP POWERED MANUAL CALL POINT WITH BASE & BUILT-IN ISOLATOR.
- ☐ ADDRESSABLE LOOP POWERED AUDIO VISUAL SCINDER WITH BASE BUILT-IN ISOLATOR.
- ☐ WEATHER PROOF TYPE ADDRESSABLE LOOP POWERED MANUAL CALL POINT WITH BASE & BUILT-IN ISOLATOR (IP65 RATED)
- ☐ WEATHER PROOF TYPE ADDRESSABLE LOOP POWERED AUDIO VISUAL SCINDER WITH BASE BUILT-IN ISOLATOR (IP65 RATED)
- ☐ ADDRESSABLE LOOP POWERED MONITOR/INPUT MODULE
- ☐ ADDRESSABLE LOOP POWERED CONTROL/OUTPUT MODULE
- ☐ INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL WITH BACKUP BATTERIES, BATTERIES CHARGER & NETWORK CARD, COMPLETE IN ALL RESPECT

- ☐ CLOSED CIRCUIT TELEVISION SYSTEM (CCTV)
- ☐ IP FIXED BULLET COLOR P&E CAMERA, WALL/POLE MOUNTED
- ☐ IP FIXED DOME COLOR P&E CAMERA, CEILING MOUNTED
- ☐ IP PTZ DOME COLOR CAMERA, CEILING/WALL/POLE MOUNTED
- ☐ WEATHER PROOF TYPE IP FIXED BULLET COLOR P&E CAMERA, WALL/POLE MOUNTED, (IP65 RATED)

CABLE ANTENNA TELEVISION (CATV) SYSTEM:

- ☐ TV OUTLET
- ☐ TAPP-OFF
- ☐ SPLITTER
- ☐ CATV CABINET

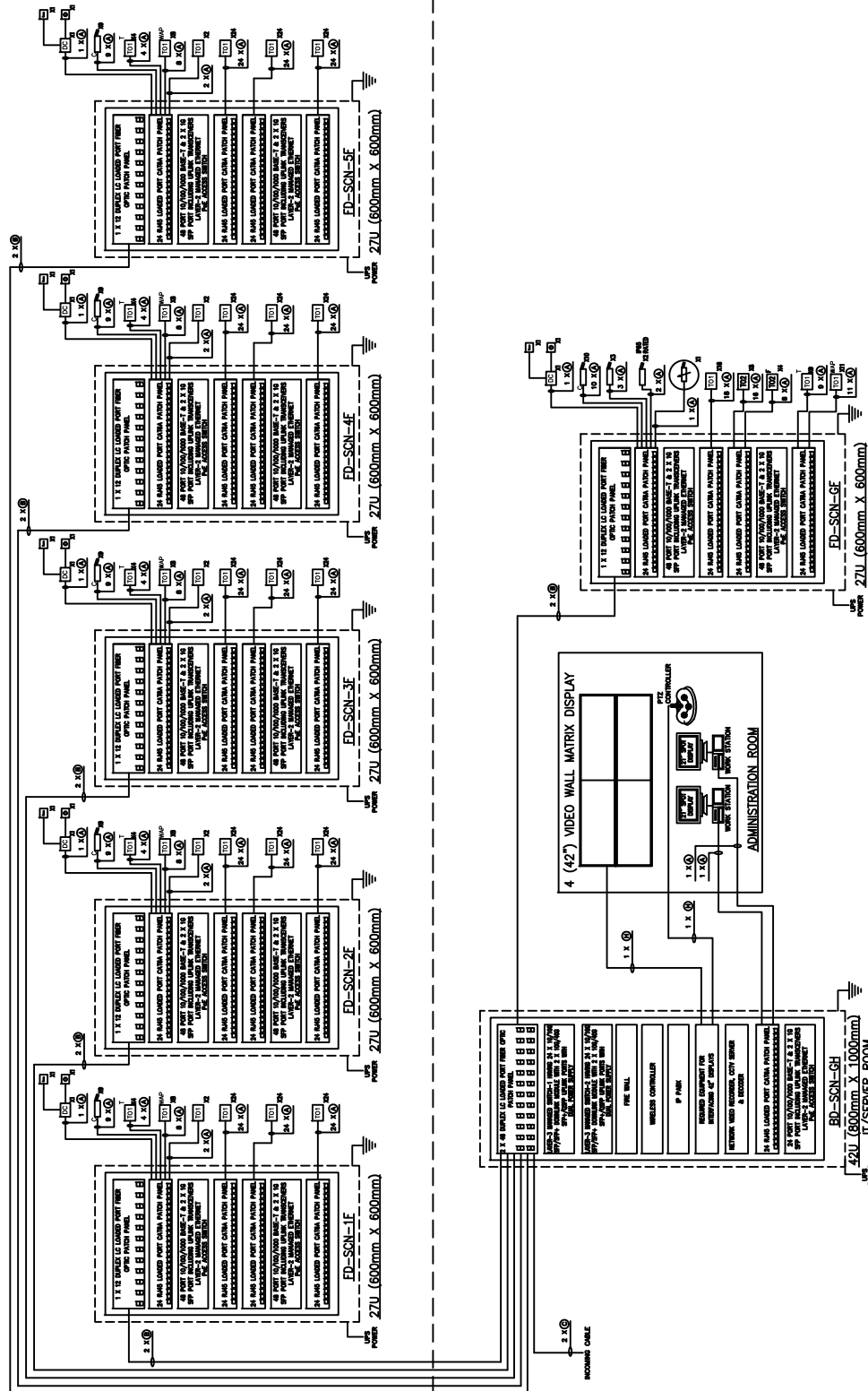
ACCESS CONTROL SYSTEM(S):

- ☐ BIOMETRIC, PROXIMITY & BAR CODE MULTI READER
- ☐ EXIT PUSH BUTTON
- ☐ SINGLE DOOR CONTROLLER (TCP/IP)

CABLE SCHEDULE

- Ⓐ 4 PAIR CAT6A UTP LSZH CABLE
- Ⓑ 12 CORE 9um/125um (OS2) SINGLE MODE FIBER OPTIC LSZH CABLE
- Ⓒ 24 CORE 9um/125um (OS2) SINGLE MODE FIBER OPTIC OUTDOOR CABLE
- Ⓓ 2 CORE 1.5 sqmm (120 MIN) FIRE RESISTANT ENHANCED LSZH CABLE COMPLYING BS 6387, EN 50200, BS 6434-2: 2003+A2: 200 / MANUFACTURER'S RECOMMENDED CABLE
- Ⓔ 2 CORE 2.5 sqmm (120 MIN) FIRE RESISTANT ENHANCED LSZH CABLE COMPLYING BS 6387, EN 50200, BS 6434-2: 2003+A2: 200 / MANUFACTURER'S RECOMMENDED CABLE
- Ⓕ RG-6 COAXIAL COPPER CABLE
- Ⓖ RG-11 COAXIAL COPPER CABLE
- Ⓖ MANUFACTURER'S RECOMMENDED CABLE

PROJECT	PROPOSED GIRLS HOSTEL AT OHA CAMPUS, DUHS BARAHAT
TITLE	LEGEND & GENERAL NOTES
DATE	PRESERVATION DRAWING
DATE	JULY, 2023
SCALE	N.T.S
DATE	



FIRST TO FIFTH FLOOR

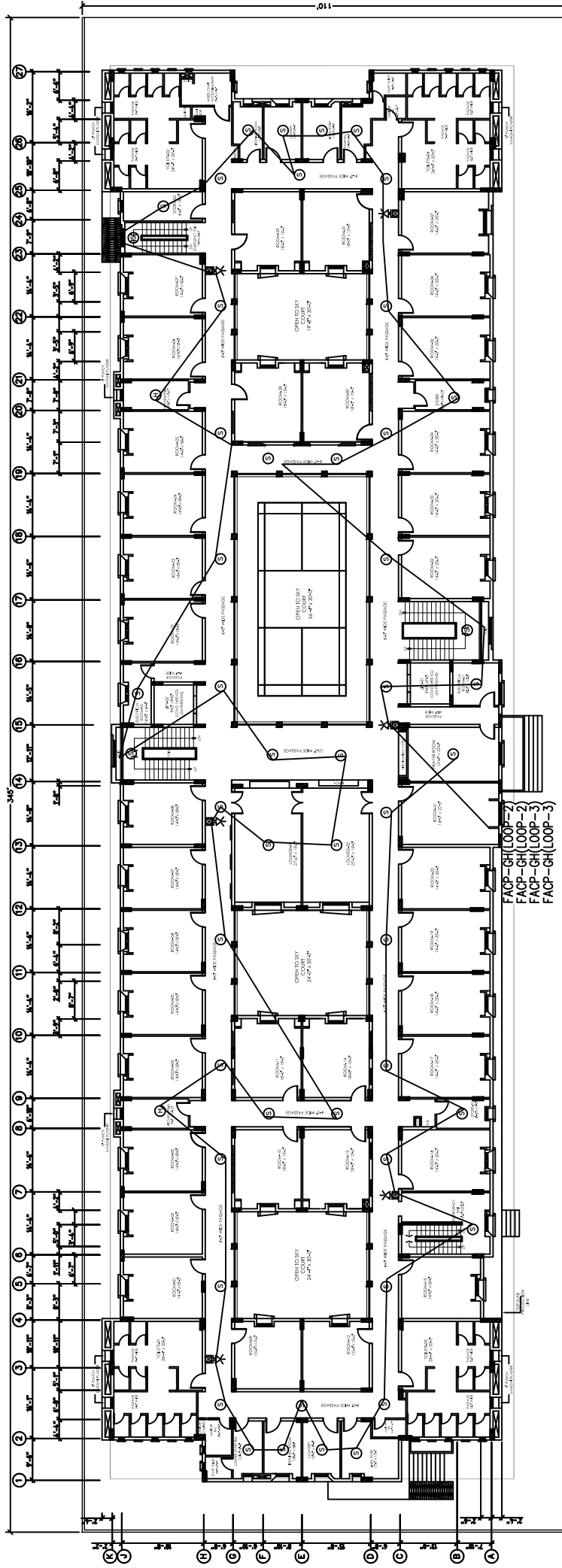
GROUND FLOOR

PROJECT	PROPOSED GIRLS HOSTEL AT OCHA CAMPUS, DUHS
CLIENT	SCIENCE CITY, ISLAMABAD
TYPE	SCHEMATIC DRAWING
DATE	JULY, 2023
SCALE	N.T.S.

Dow University of Health Sciences, Islamabad (Formerly National College)



OPEN AREA



PAVED ROAD

1ST TILL 4 TH FLOOR PLAN

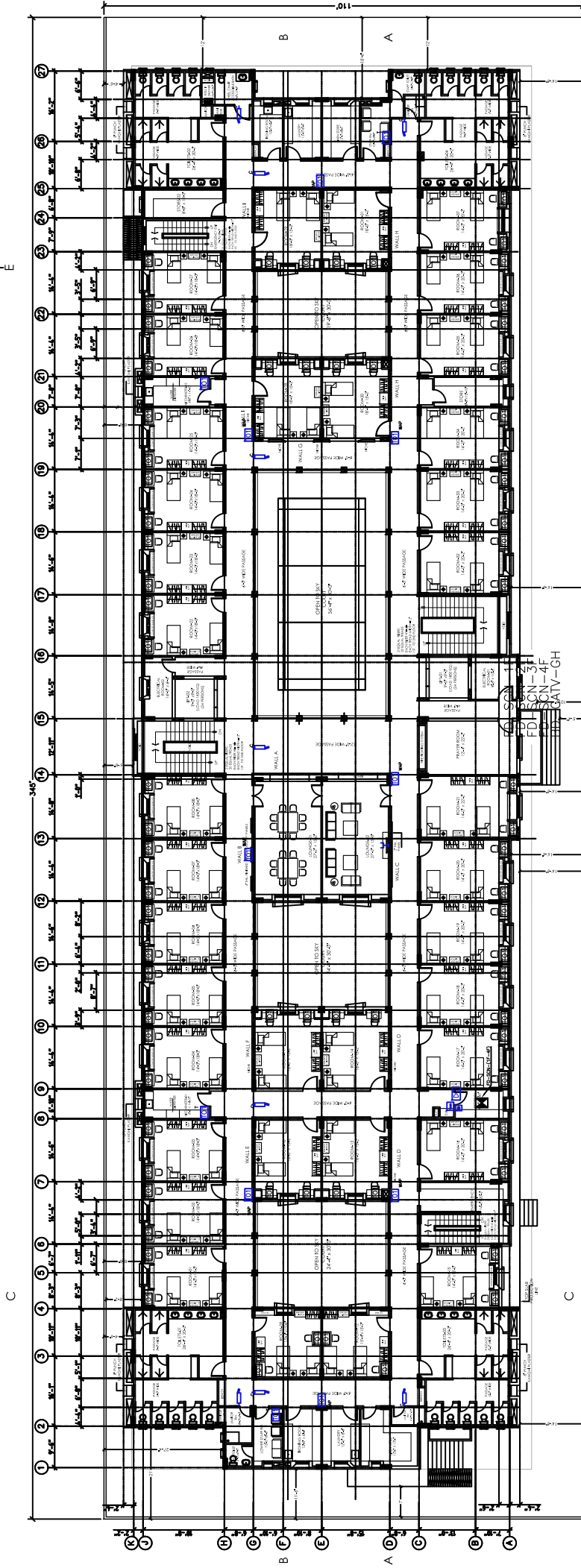
FACP-GH(LOOP-2)
FACP-GH(LOOP-2)
FACP-GH(LOOP-3)
FACP-GH(LOOP-3)

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 3. ALL THE CORRIDOR WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.
 7. POSITION OF SENSORS, SOUNDERS AND OTHER POINTS IS TENTATIVE AND CAN BE ADJUSTED AS PER SITE REQUIREMENTS.

PROJECT: Dow University of Health Sciences, Baba-Udau Road, Karachi, Pakistan.	PROJECT:		DATE:	PROJECT NO:
	DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI		JULY -2023	1715
TITLE: ADDRESSABLE FIRE ALARM SYSTEM LAYOUT	REVISED:		SCALE:	SHEET NO:
	STATUS:		1/8" = 1'-0"	A-01b
TENDER DRAWING				



OPEN AREA



PAVED ROAD

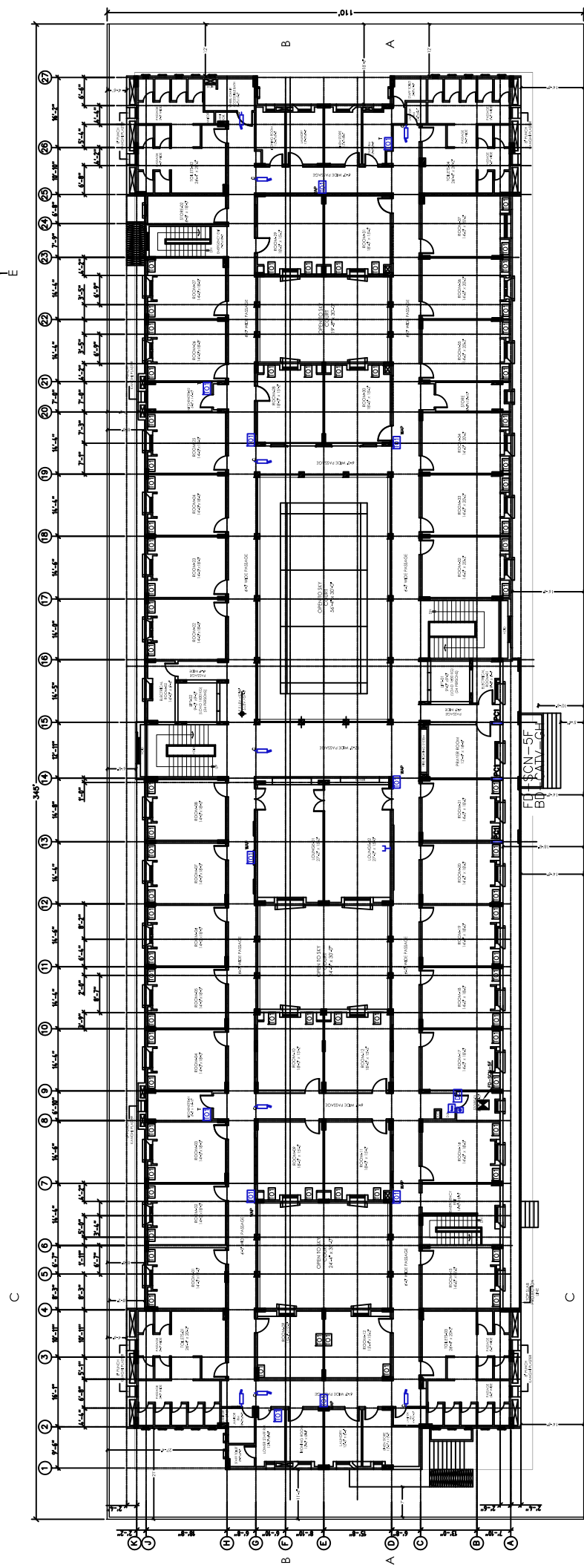
1ST TILL 4 TH FLOOR PLAN

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 3. ALL INTERIOR WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.
 7. POSITION OF TELEPHONE DATA AND OTHER POINTS IS TENTATIVE AND CAN BE ADJUSTED AS PER SITE REQUIREMENTS.

PROJECT: Dow University of Health Sciences, Babae-Uraou Road, Karachi, Pakistan.	TITLE: STRUCTURED CABLING NETWORK LAYOUT		DATE: JUNE -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-01b
REVISIONS:	NO.	DATE	DESCRIPTION	



OPEN AREA



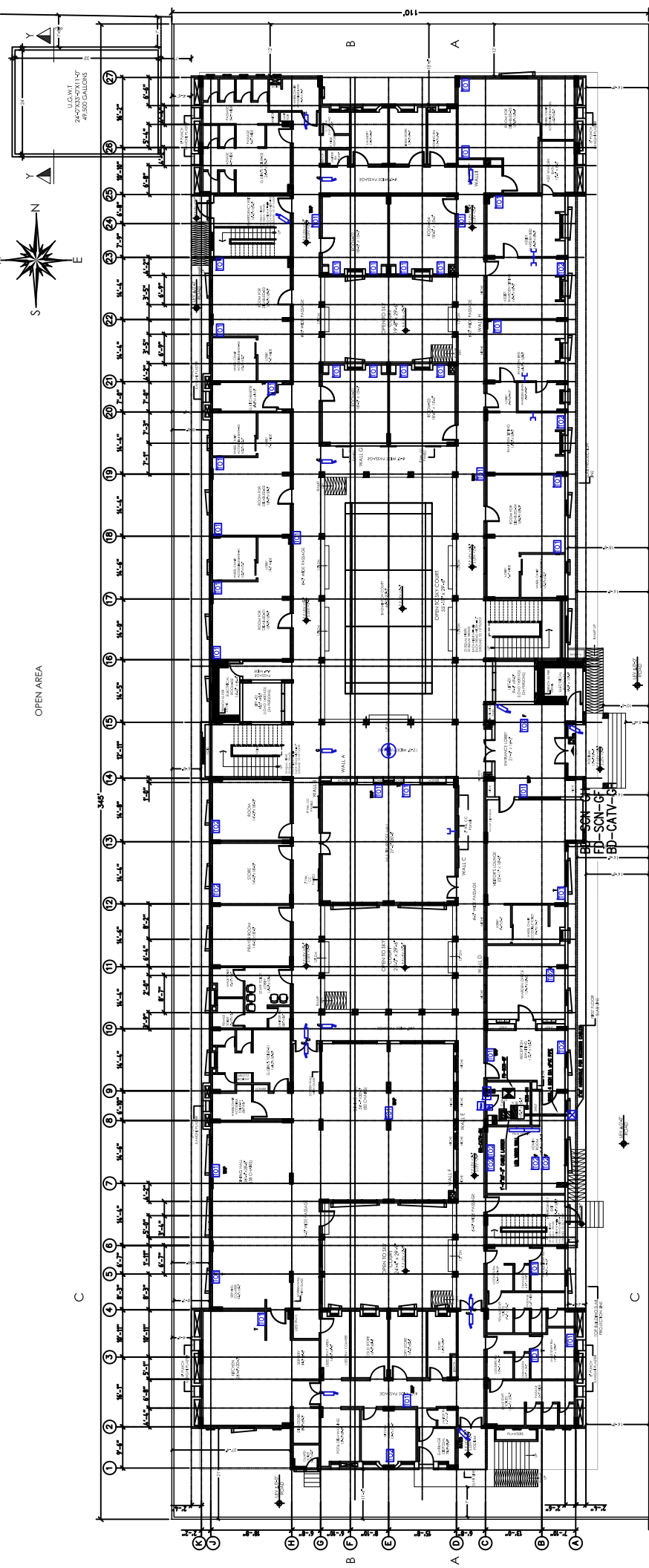
5TH FLOOR PLAN

PAVED ROAD

NOTES:

1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE
3. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE
4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
5. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.
7. POSITION OF TELEPHONE DATA AND OTHER POINTS IS TENTATIVE AND CAN BE ADJUSTED AS PER SITE REQUIREMENTS

<p>PROJECT: Dow University of Health Sciences, Babco-Jirdu Road, Karachi, Pakistan.</p>	<p>PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI</p>	<p>DATE: JULY -2023</p> <p>SCALE: 1/8" = 1'-0"</p>	<p>PROJECT NO: 1715</p> <p>SHEET NO: A-01C</p>
<p>TITLE: STRUCTURED CABLING NETWORK LAYOUT</p> <p>STATUS: TENDER DRAWING</p>			



GROUND FLOOR PLAN

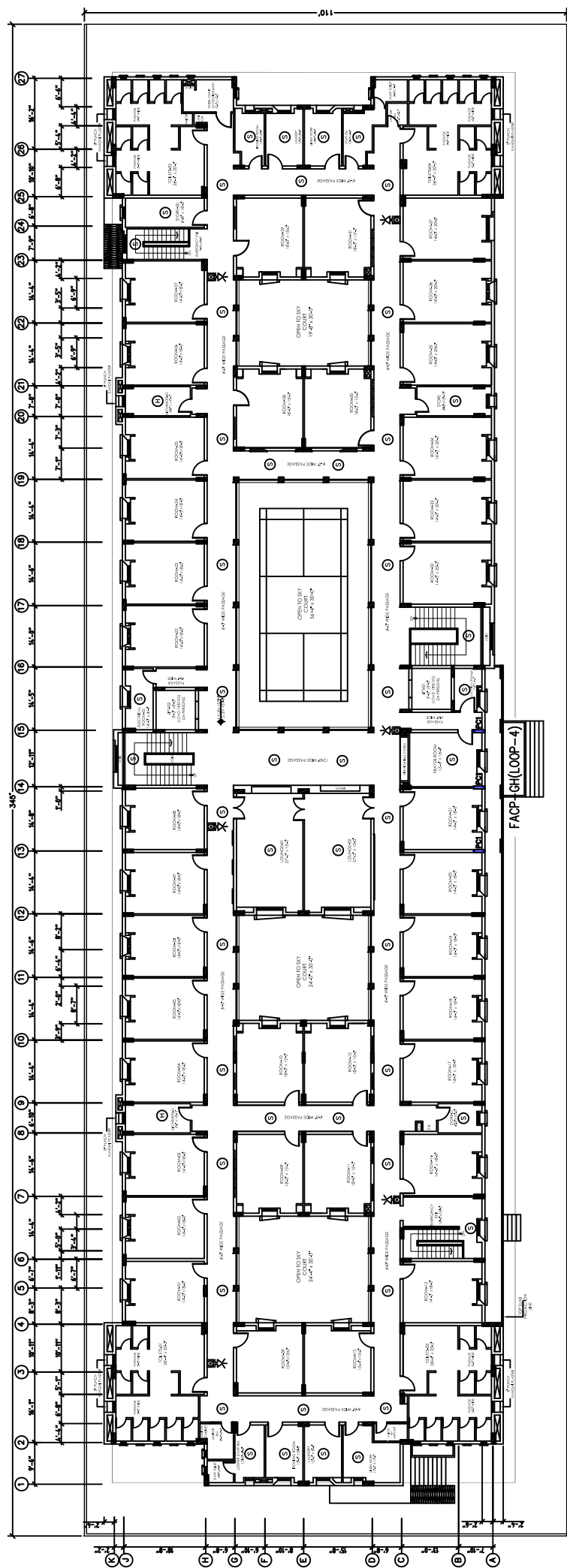
PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK.
 3. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.
 7. POSITION OF ALL POINTS AND OTHER POINTS IS TENTATIVE AND CAN BE ADJUSTED AS PER SITE REQUIREMENTS.

PROJECT: Dow University of Health Sciences, Baboe-Jiddu Road, Karachi, Pakistan.	TITLE: STRUCTURED CABLING NETWORK LAYOUT		DATE: JULY -2023	PROJECT NO: 1915
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: A-01a
REVISIONS:	NO.	DATE	DESCRIPTION	



OPEN AREA

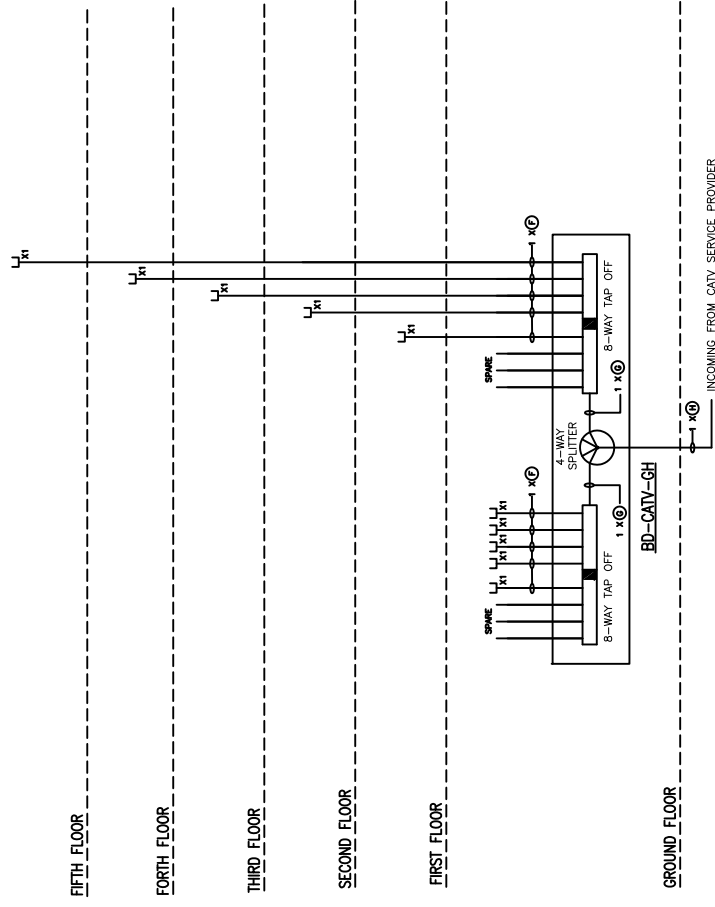


5TH FLOOR PLAN

PAVED ROAD

- NOTES:
1. CHECK AND VERIFY ALL THE DIMENSIONS AS PER SITE AND REPORT ALL THE ERRORS & OMISSIONS TO THE CONSULTANTS.
 2. ALL OUTER AND CORRIDOR BLOCK MASONRY WALLS ARE 8" THICK EXCEPT MENTIONED OTHERWISE.
 3. ALL INNER BLOCK MASONRY WALLS ARE 4" THICK EXCEPT MENTIONED OTHERWISE.
 4. BEFORE EXECUTION DO THE MARKING AS PER DRAWING AND VERIFY FROM CONSULTANT.
 5. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELATED DRAWINGS.
 6. PLANS AND SECTIONS INCLUDE 3" FINISHED FLOOR LEVEL.
 7. POSITION OF SENSORS, SOUNDERS AND OTHER POINTS IS TENTATIVE AND CAN BE ADJUSTED AS PER SITE REQUIREMENTS.

PROJECT: Dow University of Health Sciences, Babo-e-Urdu Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI		PROJECT NO: 1715
	TITLE: ADDRESSABLE FIRE ALARM SYSTEM LAYOUT STATUS: TENDER DRAWING		DATE: JULY -2023
		SCALE: 1/8" = 1'-0"	SHEET NO: A-01-C



CABLE ANTENNA TV (CATV) SYSTEM SCHEMATIC DRAWING

PROJECT	PROPOSED GIRLS HOSTEL AT OHA CAMPUS, DUHS
DATE	JULY 2023
DESIGNER	NTS
CLIENT	DoW University of Health Sciences, Jabalpur
NO.	CABLE ANTENNA TV (CATV) SYSTEM SCHEMATIC DRAWING
DATE	JULY 2023
DESIGNER	NTS
CLIENT	DoW University of Health Sciences, Jabalpur

GENERAL NOTES:

- 1- CONTRACTOR IS TO CO-ORDINATE AT SITE WITH OTHER SERVICES FOR EXACT LOCATION AND POSITION OF CONDUITS AND COMMUNICATION EQUIPMENT/DEVICES.
- 2- ALL COMMUNICATION DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS, BOQ, ARCHITECTURE, ELECTRICAL, STRUCTURE, PLUMBING DRAWINGS AND ALL OTHER RELEVANT DETAILS.
- 3- DIMENSIONS AND SEVERITIES GIVEN IN LAYOUTS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CHECK ALL ACTUAL DIMENSIONS/MENSUREMENTS ACCORDING TO STRUCTURE AND ARCHITECTURE DRAWINGS.
- 4- ALL UNDERGROUND PIPES, MAN HOLES / HANDHOLES SHALL BE PROPERLY SEALED WATER TIGHT AT ENDS/JUNCTIONS AFTER INSTALLATION.
- 5- MANUFACTURER'S RECOMMENDATION SHALL BE FOLLOWED FOR INSTALLATION OF ALL COMMUNICATION SYSTEMS.
- 6- THE CONTRACTOR SHALL TAKE THE RESPONSIBILITIES AS GENERAL INTEGRATOR FOR ALL THE SUB-SYSTEMS AND EQUIPMENT WITHIN THE SCOPE OF WORK INCLUDING INTERFACES WITH OTHER SYSTEMS.
- 7- ALL COMMUNICATION SYSTEMS SHALL BE FED FROM UNINTERRUPTED POWER SUPPLY (UPS).
- 8- CONDUIT SHALL BE SIZED ACCORDING TO CLAUSE 4.4.2.4 OF EA/7/1A 569 STANDARD AS GIVEN BELOW.

CONDUIT TRADE SIZE	CONDUIT SIZING	
	MAXIMUM NUMBER OF CABLES BASED UPON ALLOWABLE FILL	CABLE OUTSIDE DIAMETER, mm (in)
mm (in)	3.3 (1/8)	4.6 (1/4)
21 (3/4)	5.6 (1/2)	6.1 (1/4)
27 (1)	7.4 (3/4)	7.9 (3/4)
35 (1 1/4)	9.4 (3/4)	13.5 (1/2)
41 (1 1/2)	11.8 (1/2)	15.8 (1/2)
53 (2)	14.2 (1/2)	20 (1/2)
63 (2 1/2)	17.4 (1/2)	22 (1/2)
76 (3)	20 (1/2)	26 (1/2)
81 (3 1/2)	22 (1/2)	30 (1/2)
103 (4)	26 (1/2)	35 (1/2)

- 9- EN 5074-2 RECOMMENDATIONS SHALL BE FOLLOWED FOR SEPARATION DISTANCE BETWEEN POWER AND VOICE/LAN NETWORK CABLES IN GIVEN BELOW TABLE.

TYPE OF INSTALLATION	MINIMUM SEPARATION DISTANCE (mm)	
	WITHOUT METALLIC DIVIDER	WITH METALLIC DIVIDER
UNSCREENED POWER CABLES AND COMMUNICATION CABLES	200	100
UNSCREENED POWER CABLES AND SCREENED COMMUNICATION CABLE	50	20

- 10- COLOUR, SHAPE & MOUNTING HEIGHT OF FACE PLATE OF TELECOM SOCKET OUTLETS SHALL MATCH WITH THE ELECTRICAL SOCKET OUTLET.
- 11- CONTRACTOR SHALL SUBMIT CO-ORDINATION SHOP DRAWING OF COMMUNICATION LAYOUT WITH OTHER SERVICES LAYOUT BEFORE EXECUTION OF WORKS.
- 12- MOUNTING HEIGHT OF FOLLOWING DEVICES SHALL BE INSTALLED AT THE INDICATED HEIGHT FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF DEVICE UNLESS OTHERWISE MENTIONED OR INSTRUCTED:
 - TELEPHONE/ALAN ----- 250mm
 - TELECOMMUNICATION OUTLET FOR IP TELEPHONE/LAN ----- 220mm/AS PER SITE
 - FLOOR DISTRIBUTOR BACK ----- 220mm/AS PER SITE
 - BUILDING DISTRIBUTOR BACK ----- FLOOR STANDING/220mm
 - TV OUTLET ----- 220mm/AS PER SITE
 - CATV CABINET ----- 1400mm/AS PER SITE
 - CAMERA INSIDE BUILDINGS ----- 220mm/AS PER SITE CONDITION

LEGEND:

TELEPHONE & LAN NETWORK

- 101 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE, WALL MOUNTED
- 102 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR WIRELESS ACCESS POINT, WALL MOUNTED
- 103 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE OR DATA, WALL MOUNTED
- 104 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE OR DATA, FURNITURE MOUNTED
- 105 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE AND DATA, WALL MOUNTED
- 106 ONE PORT RJ45 CAT6A UTP TELECOMMUNICATION OUTLET FOR IP TELEPHONE AND DATA, FURNITURE MOUNTED

- 107 CLASS 'D' UPVC PIPE INSTALLED UNDER FLOOR/GROUND
- 108 RCC HANDHOLE OF INTERNAL DIMENSION 600mm (LENGTH) X 600mm (WIDTH) X 600mm (DEPTH) INCLUDING EXCAVATION, BACKFILLING AND CONSTRUCTION OF RCC WALL AND SLABS, PROVIDING HEAVY DUTY CI COVER OF SIZE 450mm DIA. FRAME, COMPLETE IN ALL RESPECT

- FD-XX-XX FLOOR DISTRIBUTOR
- BD-XX-XX BUILDING DISTRIBUTOR

ADDRESSABLE FIRE ALARM SYSTEM

- 109 INTELLIGENT ADDRESSABLE LOOP POWERED OPTICAL SMOKE & HEAT DETECTOR WITH BASE & BUILT-IN ISOLATOR.
- 110 INTELLIGENT ADDRESSABLE LOOP POWERED HEAT DETECTOR WITH BASE & BUILT-IN ISOLATOR.
- 111 ADDRESSABLE LOOP POWERED MANUAL CALL POINT WITH BASE & BUILT-IN ISOLATOR.
- 112 ADDRESSABLE LOOP POWERED AUDIO VISUAL SOUNDER WITH BASE BUILT-IN ISOLATOR.

- IP65 RATED WEATHER PROOF TYPE ADDRESSABLE LOOP POWERED MANUAL CALL POINT WITH BASE & BUILT-IN ISOLATOR (IP65 RATED)
- IP68 RATED WEATHER PROOF TYPE ADDRESSABLE LOOP POWERED AUDIO VISUAL SOUNDER WITH BASE BUILT-IN ISOLATOR (IP68 RATED)
- 113 ADDRESSABLE LOOP POWERED MONITOR/INPUT MODULE
- 114 ADDRESSABLE LOOP POWERED CONTROL/OUTPUT MODULE
- 115 INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL WITH BACKUP BATTERIES, BATTERIES CHARGER & NETWORK CARD, COMPLETE IN ALL RESPECT

CLOSED CIRCUIT TELEVISION SYSTEM (CCTV):

- 116 IP FIXED BULLET COLOR P&E CAMERA, WALL/POLE MOUNTED
- 117 IP FIXED DOME COLOR P&E CAMERA, CEILING MOUNTED
- 118 IP PTZ DOME COLOR CAMERA, CEILING/WALL/POLE MOUNTED
- 119 WEATHER PROOF TYPE IP FIXED BULLET COLOR P&E CAMERA, WALL/POLE MOUNTED, (IP65 RATED)

CABLE ANTENNA TELEVISION (CATV) SYSTEM:

- 120 TV OUTLET
- 121 TAPP-OFF
- 122 SPLITTER
- 123 CATV CABINET

ACCESS CONTROL SYSTEM(S):

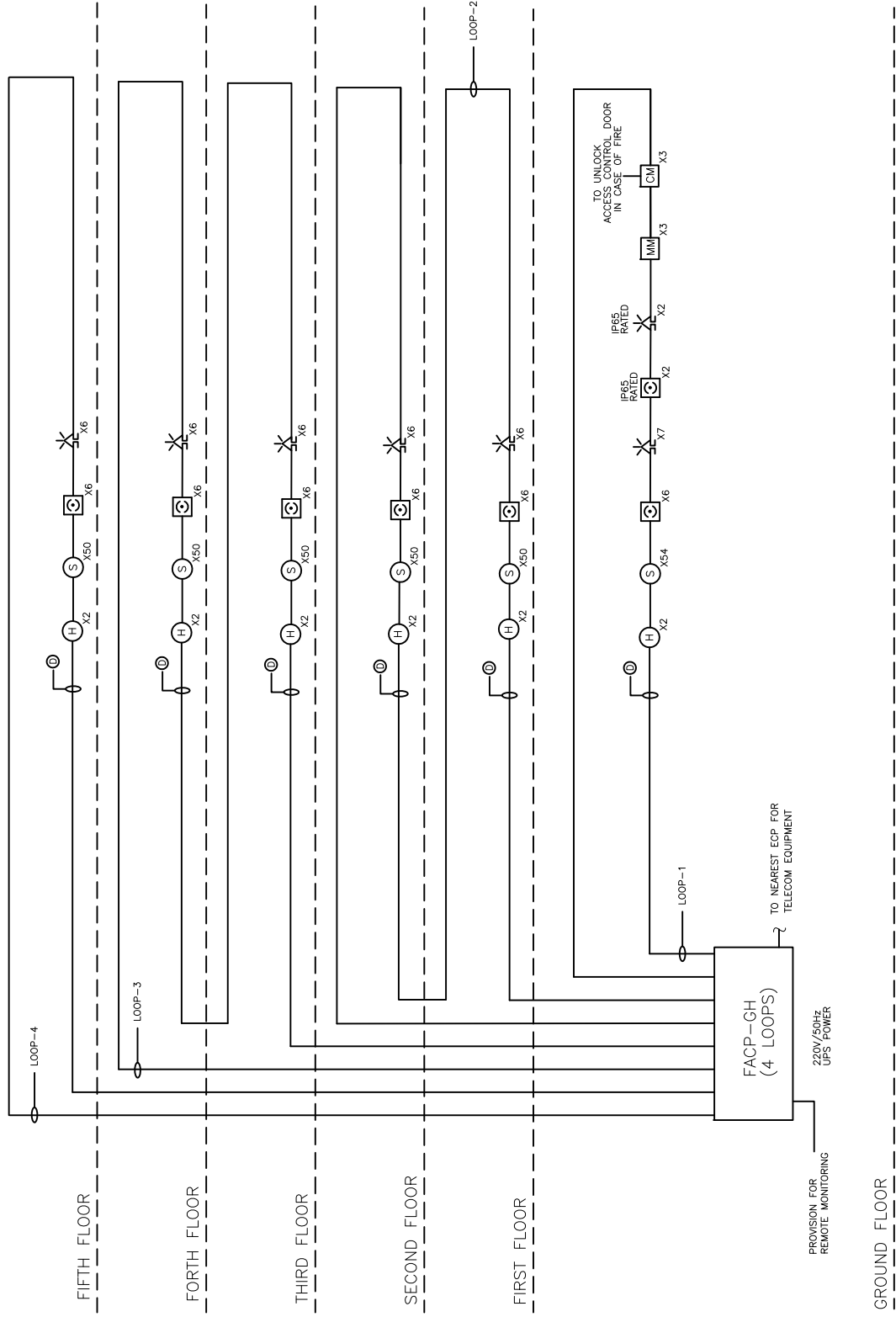
- 124 BIOMETRIC, PROXIMITY & BAR CODE MULTI READER
- 125 EXIT PUSH BUTTON
- 126 SINGLE DOOR CONTROLLER (TCP/IP)

CABLE SCHEDULE

- A 4 PAIR CAT6A UTP LSZH CABLE
- B 12 CORE 9um/125um (OS2) SINGLE MODE FIBER OPTIC LSZH CABLE
- C 24 CORE 9um/125um (OS2) SINGLE MODE FIBER OPTIC OUTDOOR CABLE
- D 2 CORE 1.5 sqmm (120 MIN) FIRE RESISTANT ENHANCED LSZH CABLE COMPLYING BS 6387, EN 50200, BS 6434-2: 2003+A2: 200 / MANUFACTURER'S RECOMMENDED CABLE
- E 2 CORE 2.5 sqmm (120 MIN) FIRE RESISTANT ENHANCED LSZH CABLE COMPLYING BS 6387, EN 50200, BS 6434-2: 2003+A2: 200 / MANUFACTURER'S RECOMMENDED CABLE
- F RG-6 COAXIAL COPPER CABLE
- G RG-11 COAXIAL COPPER CABLE
- H MANUFACTURER'S RECOMMENDED CABLE

PROJECT	PROPOSED GIRLS HOSTEL AT OHA CAMPUS, DUHS BARAHAT
TITLE	LEGEND & GENERAL NOTES
DATE	PRESERVATION DRAWING
DATE	JULY, 2023
SCALE	N.T.S
DATE	

Dow University of Health Sciences,
Baramulla Road, Barahat, Duhsh.



PROJECT	PROPOSED GIRLS HOSTEL AT OCHA CAMPUS, DUHS
CLIENT	BARISH
ADDRESS	SCIENCE CITY, KARACHI
SYSTEM	SMART FIRE ALARM SYSTEM
DATE	JULY, 2023
DESIGNER	NTS
PREPARED BY	NTS
CHECKED BY	NTS
DATE	

PREPARED BY: [Signature]

DATE: [Signature]

Dow University of Health Sciences,
 Islamabad, Pakistan

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

PLUMBING & FIRE FIGHTING
TENDER DRAWINGS
JULY, 2023

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

LIST OF DRAWINGS

PLUMBING AND FIRE FIGHTING

AG-01. LIST OF DRAWING

1. SANITARY AND STORM WATER DRAINAGE

P-SD-01a GROUND FLOOR PLAN
P-SD-01b FIRST TO FOURTH FLOOR PLAN
P-SD-01c FIFTH FLOOR PLAN
P-SD-01d ROOF PLAN

2. WATER SUPPLY NETWORK

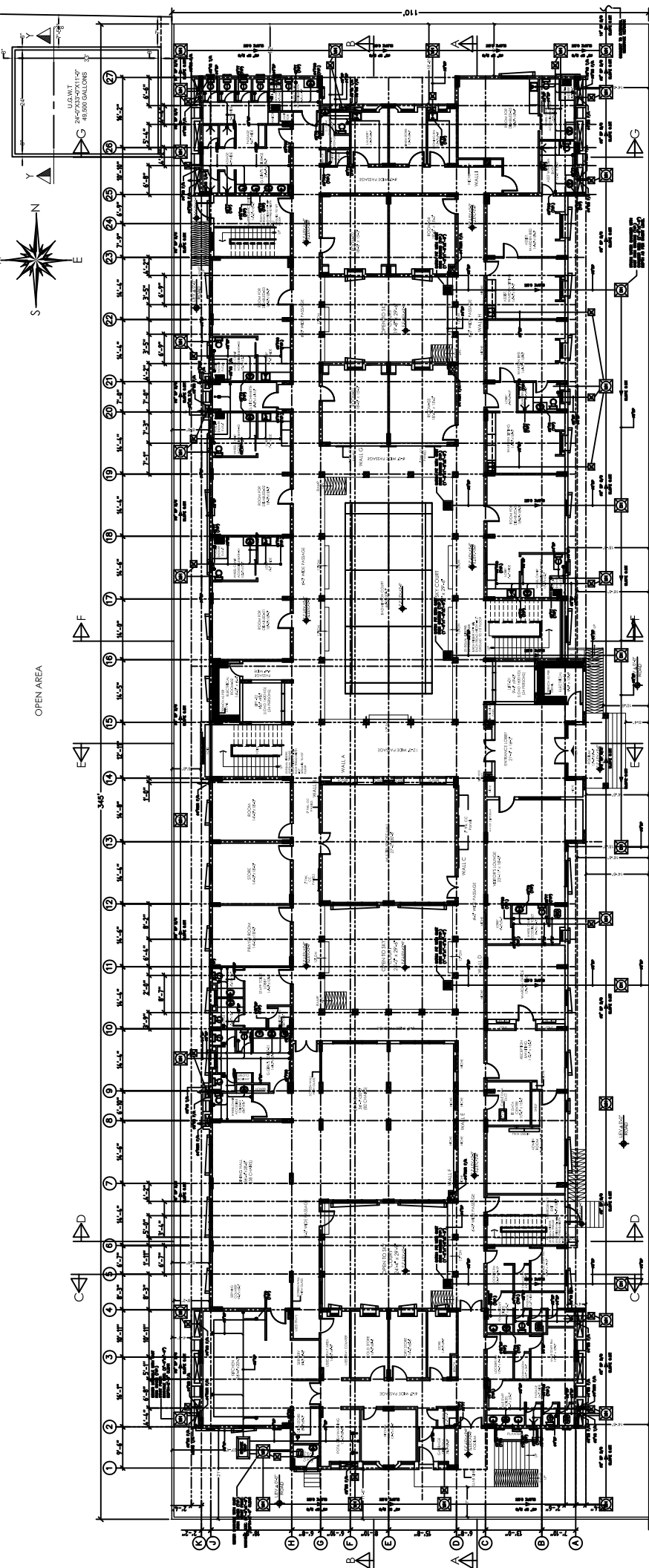
P-WS-01a GROUND FLOOR PLAN
P-WS01b FIRST TO FOURTH FLOOR PLAN
P-WS-01c FIFTH FLOOR PLAN
P-WS-01d ROOF PLAN
P-WS-01e PORTABLE WATER PUMPS
SCHEMATIC LAYOUT PLAN
P-WS-01f PLUMBING MISCELLANEOUS DETAILS

3. FIRE FIGHTING NETWORK

P-FF-01a GROUND FLOOR PLAN
P-FF-01b FIRST TO FOURTH FLOOR PLAN
P-FF-01c FIFTH FLOOR PLAN
P-FF-01d ROOF PLAN
P-FF-01e FIRE WATER PUMPS SCHEMATIC LAYOUT PLAN
P-FF-01f MISCELLANEOUS DETAILS-01
P-FF-01g MISCELLANEOUS DETAILS-02
P-FF-01h U.G.W.T & FIRE FIGHTING PUMP ROOM

4. GENERAL NOTES AND LEGENDS

P-G-01a PLUMBING GENERAL NOTES AND LEGENDS



**GROUND FLOOR PLAN
SANITARY & STORM WATER DRAINAGE**

PAVED ROAD

PAVED ROAD

OPEN AREA

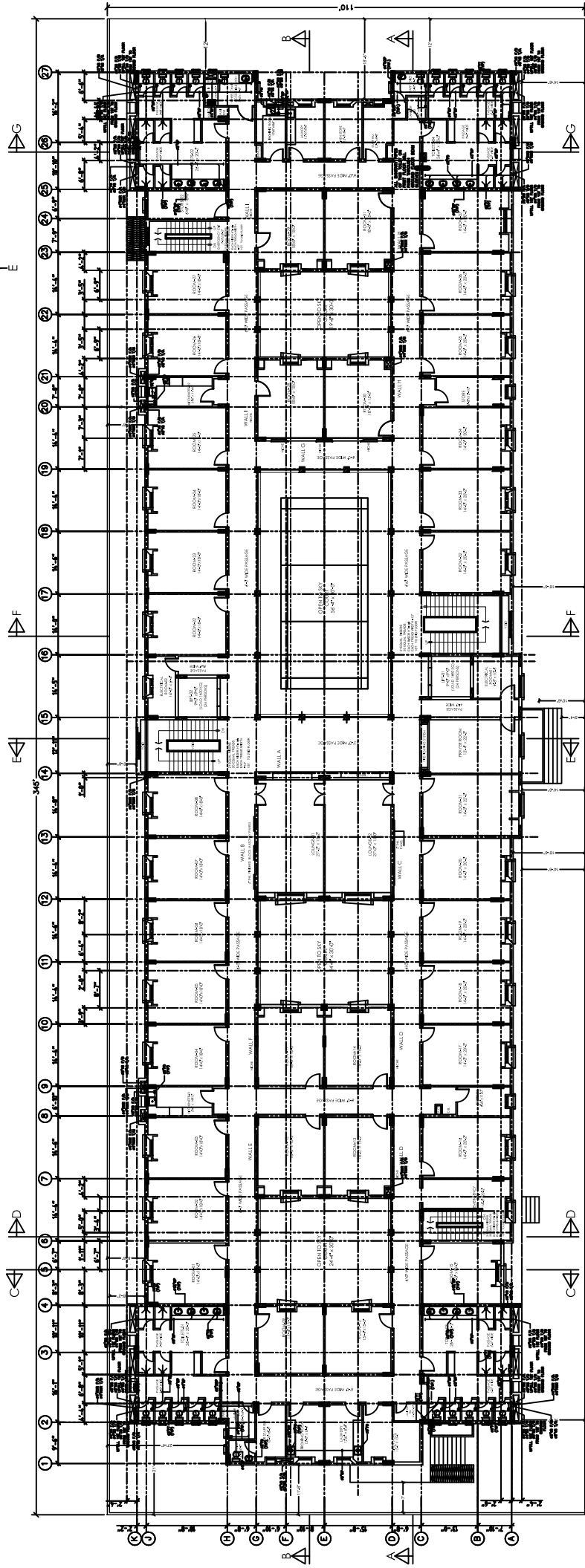
NOTES:

1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A AND SCHEDULE-B (A) AND SCHEDULE-B (B) OF THE SPECIFICATIONS.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-B (A) AND SCHEDULE-B (B) OF THE SPECIFICATIONS.
4. ALL DIMENSIONS SHALL BE TO THE FACE UNLESS OTHERWISE STATED.
5. ALL MATERIALS & COMPONENTS SHALL BE OF THE BEST QUALITY AVAILABLE.
6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE DRAWINGS AND SUBMIT THEM FOR APPROVAL PRIOR TO THE EXECUTION OF THE WORK.

PROJECT: Dow University of Health Sciences, Bab-e-Jrdi Road, Karachi, Pakistan.	PROJECT NO: 1715	
	DATE: JULY -2023	SHEET NO: P-SD-01a
TITLE: SANITARY & STORM WATER DRAINAGE NETWORK	SCALE: 1/8" = 1'-0"	
	STATUS: TENDER DRAWING	



OPEN AREA



PAVED ROAD

1ST TILL 4 TH FLOOR PLAN
SANITARY & STORM WATER DRAINAGE

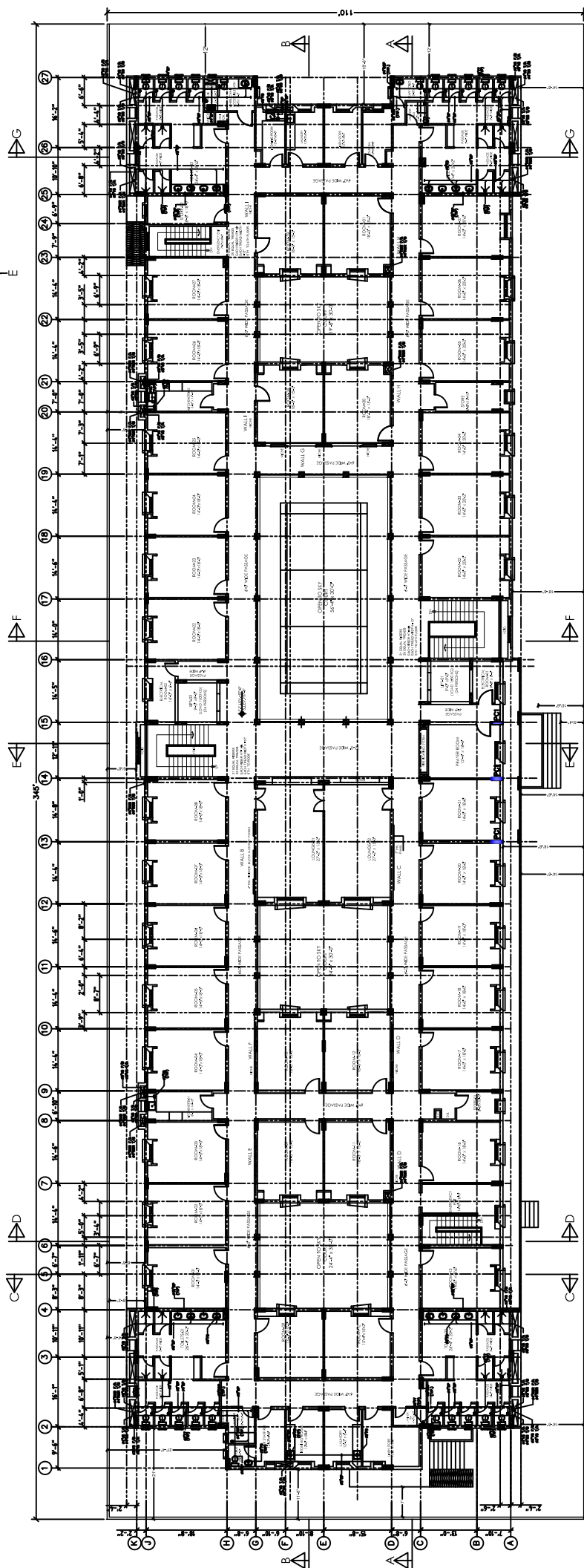
NOTES:

1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A TO G AND H.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A TO G AND H.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A TO G AND H.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A TO G AND H.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SCHEDULE-A TO G AND H.

PROJECT: Dow University of Health Sciences, Babco-Ordu Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI	DATE: JULY -2023	PROJECT NO: 1715
TITLE: PLUMBING LAYOUT SANITARY & STORM WATER DRAINAGE NETWORK		SCALE: 1/8" = 1'-0"	SHEET NO: P-SD-01b
STATUS: TENDER DRAWING			



OPEN AREA



5TH FLOOR PLAN
SANITARY & STORM WATER DRAINAGE

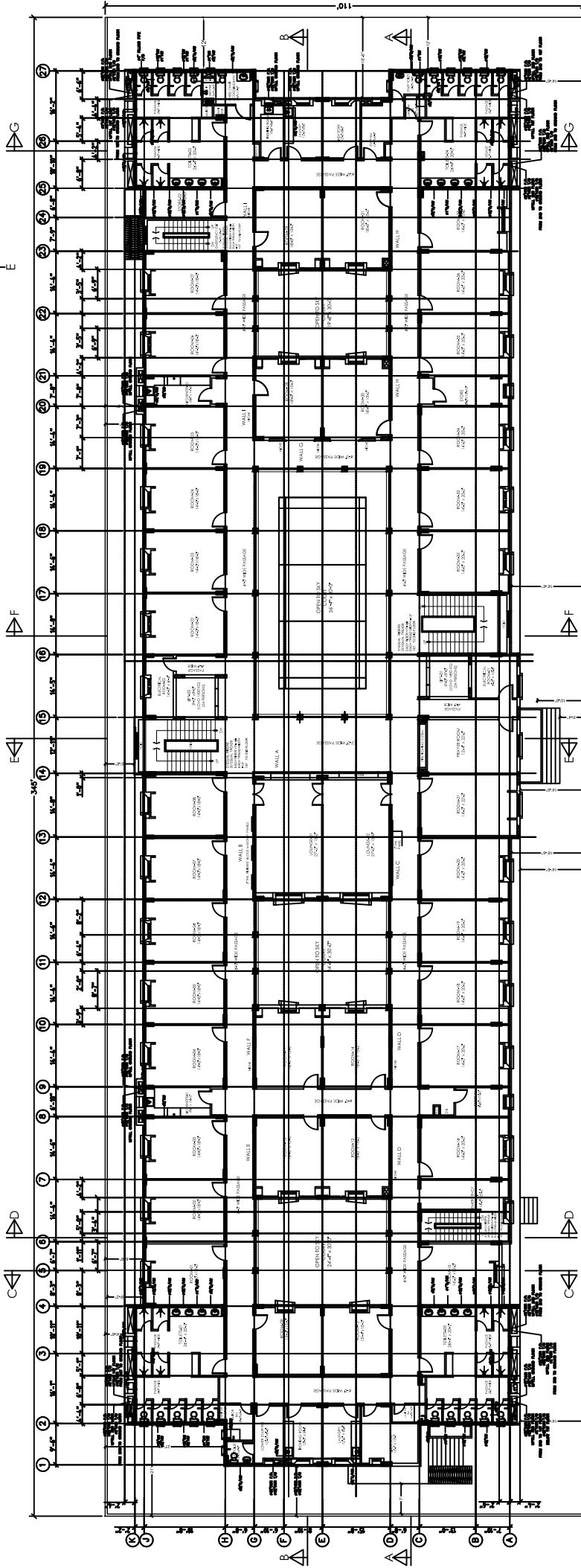
PAVED ROAD

- NOTES:
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL BUILDING REGULATIONS (NBR) AND THE NATIONAL ELECTRICAL REGULATIONS (NER).
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL BUILDING REGULATIONS (NBR) AND THE NATIONAL ELECTRICAL REGULATIONS (NER).
 4. ALL MATERIALS & COMPONENTS SHALL BE OF THE HIGHEST QUALITY & SHALL BE APPROVED BY THE ARCHITECT.
 5. FOR EXHAUST, VENTS, LEADERS & OTHER DETAILS REFER TO THE ARCHITECT'S DRAWINGS.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE ABOVE NOTES & SHALL BE APPROVED BY THE ARCHITECT PRIOR TO THE EXECUTION OF THE WORK.

PROJECT: Dow University of Health Sciences, Babco-Urdu Road, Karachi, Pakistan.	TITLE: SANITARY & STORM WATER DRAINAGE NETWORK		DATE: JULY -2023	PROJECT NO: 1715
	STATUS: TENDER DRAWING		SCALE: 1/8" = 1'-0"	SHEET NO: P-SD-01c
REVISIONS:		REVISED:	DATE:	
NO.		DATE	DESCRIPTION	



OPEN AREA



PAVED ROAD

1ST TILL 4 TH FLOOR PLAN
WATER SUPPLY

PPR-C PIPE SIZE CHART:

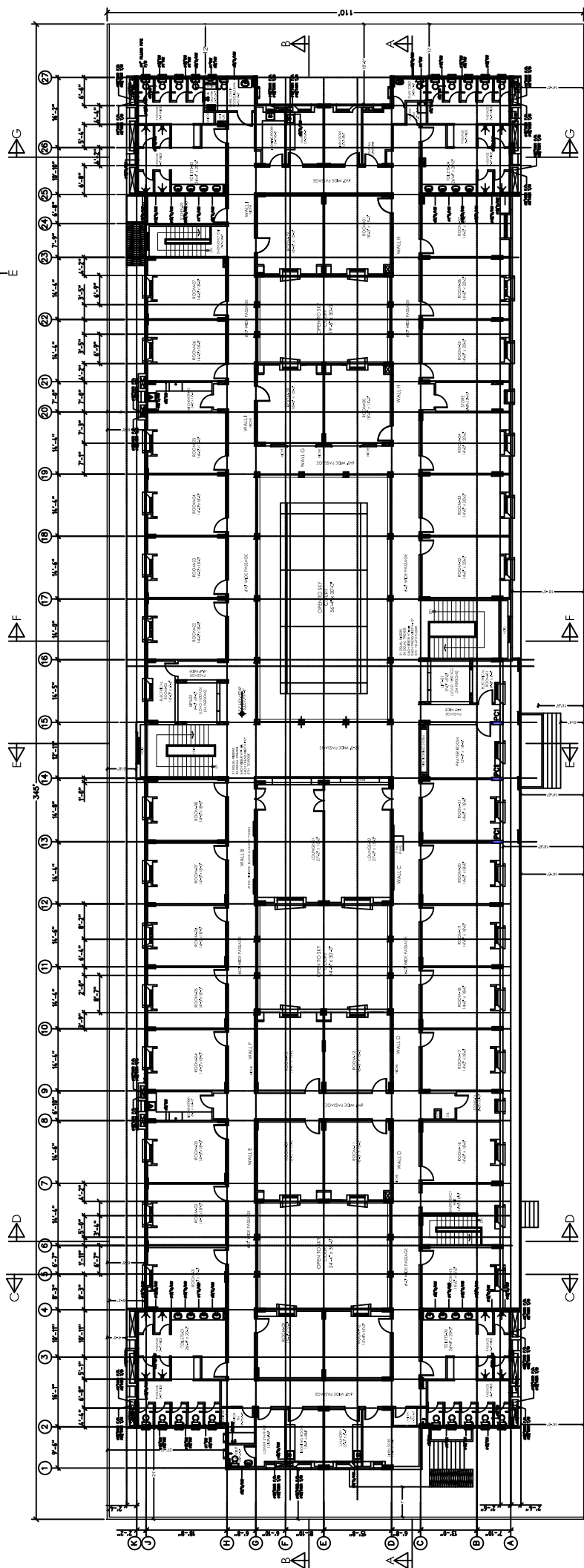
WALL THICKNESS	EQUIVALENT PPR-C PIPE SIZES IN
4"	48mm
4 1/2"	50mm
5"	55mm
5 1/2"	60mm
6"	65mm
6 1/2"	70mm
7"	75mm

- NOTES:
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE STATED.
 3. ALL UNPAVED WATER SUPPLY PIPES SHALL BE POLYPROPYLENE (PPR-C) WITH A MINIMUM WALL THICKNESS OF 4.5mm AND FITTINGS CONFORMING TO DR 10000 OR APPROVED EQUIVALENT.
 4. ALL EXPOSED PIPES ON THE ROOF SHALL BE GALVANIZED IRON PIPE (GIP) WITH A MINIMUM WALL THICKNESS OF 4.5mm.
 5. PIPE GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE CONTRACT DOCUMENTS.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE ACTUAL SITE CONDITIONS FOR APPROVAL PRIOR TO THE EXECUTION OF THE WORK.

PROJECT: Dow University of Health Sciences, Bab-e-Urdu Road, Karachi, Pakistan.	PROJECT:	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUHA CAMPUS KARACHI
	DATE:	JULY -2023
REVISIONS:	PROJECT NO:	1715
	SCALE:	1/8" = 1'-0"
TITLE: PLUMBING LAYOUT WATER SUPPLY NETWORK		SHEET NO: P-MS-01b
STATUS: TENDER DRAWING		



OPEN AREA



5TH FLOOR PLAN
WATER SUPPLY

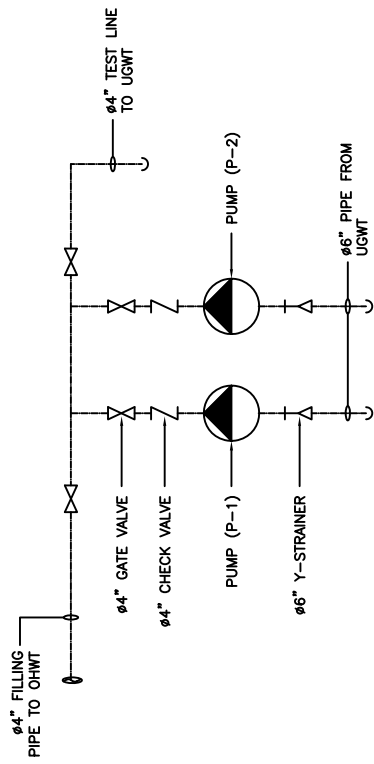
PAVED ROAD

PPR-C PIPE SIZE CHART:

PPR-C PIPE SIZE (IN)	EQUIVALENT PPR-C PIPE SIZE (MM)
1/2"	12.7mm
3/4"	19.0mm
1"	25.4mm
1 1/4"	31.7mm
1 1/2"	38.1mm
2"	50.8mm

- NOTES:
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE STATED.
 3. ALL UNPAVED WATER SUPPLY PIPES SHALL BE POLYPROPYLENE (PPR-C) PIPE WITH A MINIMUM WALL THICKNESS OF 1.5mm AND FITTINGS CONFORMING TO DRN CODE ON APPROVED EXHIBIT.
 4. ALL EXPOSED PIPES ON THE ROOF SHALL BE GALVANIZED IRON PIPE (GIP) WITH A MINIMUM WALL THICKNESS OF 3.0mm.
 5. PIPE GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE CONTRACT DOCUMENTS.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE ACTUAL SITE CONDITIONS FOR APPROVAL PRIOR TO THE EXECUTION OF THE WORK.

PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	PROJECT NO:	1715
	DATE:	JULY -2023
TITLE: PLUMBING LAYOUT WATER SUPPLY NETWORK	REVISION:	
	SCALE:	1/8" = 1'-0"
STATUS: TENDER DRAWING	SHEET NO:	P-MS-01C



POTABLE WATER PUMPS

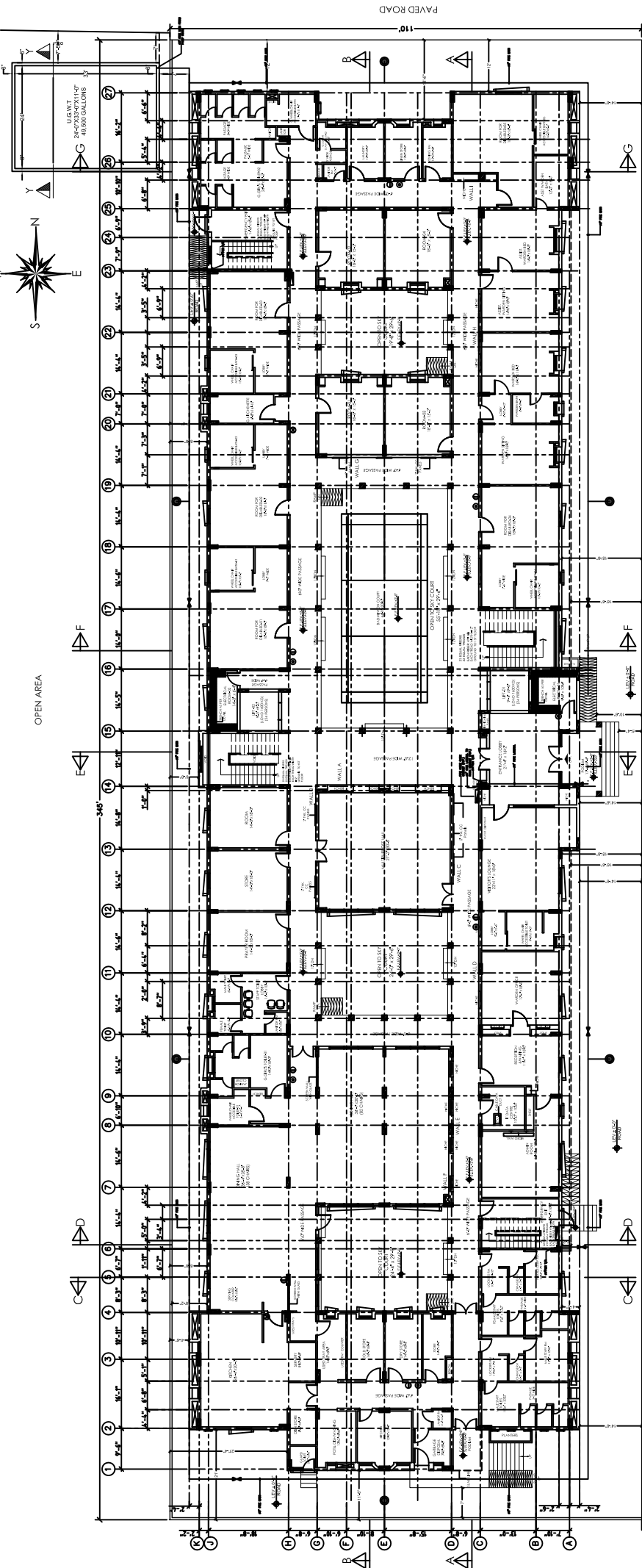
SCHEDULE OF POTABLE WATER PUMPS

PUMP NO.	DESCRIPTION OF PUMPS	STATUS	FLOW (US.GPM)	PUMPING HEAD (FEET)	RATING (HP) (APPROX.)
P-1	HORIZONTAL CENTRIFUGAL PUMP & MOTOR	DUTY	200	125	10.0
P-2	HORIZONTAL CENTRIFUGAL PUMP & MOTOR	STANDBY	200	125	10.0

SEQUENCE OF OPERATION OF POTABLE WATER PUMPS

- 1- ONE PUMP SHALL BE DUTY AND ONE SHALL BE STANDBY.
- 2- DUTY PUMP SHALL BE AUTOMATICALLY SELECTABLE.
- 3- DUTY SHALL CHANGE BETWEEN THE PUMPS ON EACH START/STOP.
- 4- THE PUMPS SHALL BE PROTECTED FROM DRY RUNNING BY LOW WATER LEVEL SWITCH.
- 5- ALL PUMPS SHALL OPERATE AUTOMATICALLY BY PROVIDING HIGH AND LOW WATER LEVEL SWITCHES IN OVERHEAD WATER TANK.

PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI	TITLE: POTABLE WATER PUMPS SCHEMATIC LAYOUT PLAN	DATE: JUNE -2023	PROJECT NO: 1715
		SCALE: NTS	SHEET NO: P-WS-01e



- NOTES:**
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL WALLS SHALL BE CONCRETE UNLESS OTHERWISE STATED.
 3. ALL PIPES SHALL BE BLACK STEEL CONFORMING TO ASTM A-53 SCHEDULE 40, UNLESS NOTED OR APPROVED OTHERWISE.
 4. PROTECTIVE RED PAINT SHALL BE COATED WITH AN APPROVED PAINT.
 5. FOR GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE DRAWING.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE ABOVE CONDITIONS FOR APPROVAL FROM THE DESIGNER OF THE WORK.
 7. ALL FIRE WATER MASSES/ SHOWN SHALL BE PROVIDED WITH AN APPROVED LOCK AT THE CLOSING EDGE OF THE DOOR TO PREVENT AIR FROM ENTERING.
 8. THE CONTRACTOR SHALL PROVIDE FIRE HOSE CABINET SHALL BE 2'-1/2" MINIMUM.

LEGENDS:

SYMBOL	DESCRIPTION
⊙	CHARTRONIDE PORTABLE FIRE EXTINGUISHER
⊙	NET OPERABLE PORTABLE FIRE EXTINGUISHER
⊙	DRY CHEMICAL PORTABLE FIRE EXTINGUISHER
⊙	FIRE HOSE CABINET
⊙	FIRE HOSE ROLL (WITH 2 INCH 3-1/2" DIA)
⊙	ONE WALK (DRY TYPE)

REVISIONS:

NO.	DATE	DESCRIPTION

PROJECT: GIRLS HOSTEL
CLIENT: DOW UNIVERSITY OF HEALTH SCIENCES,
 OJHA CAMPUS KARACHI

TITLE: PLUMBING LAYOUT
 FIREFIGHTING NETWORK

STATUS: TENDER DRAWING

DATE: JULY -2023

SCALE: 1/8" = 1'-0"

PROJECT NO.: 1915

SHEET NO.: P-FF-01a

PROJECT: Dow University of Health Sciences,
 Baba-e-Jrdi Road, Karachi, Pakistan.

PROJECT: GIRLS HOSTEL
CLIENT: DOW UNIVERSITY OF HEALTH SCIENCES,
 OJHA CAMPUS KARACHI

TITLE: PLUMBING LAYOUT
 FIREFIGHTING NETWORK

STATUS: TENDER DRAWING

DATE: JULY -2023

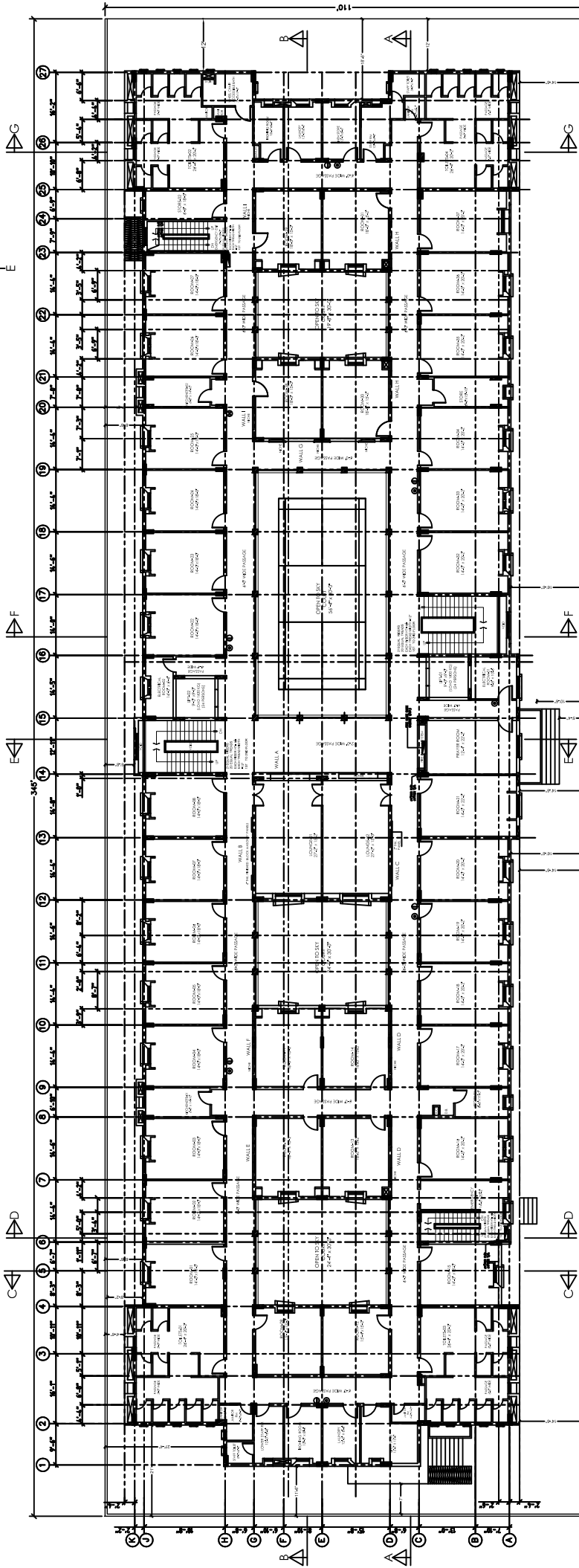
SCALE: 1/8" = 1'-0"

PROJECT NO.: 1915

SHEET NO.: P-FF-01a



OPEN AREA



1ST TILL 4TH FLOOR PLAN
FIRE FIGHTING

PAVED ROAD

- NOTES:
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL PORTABLE FIRE EXTINGUISHERS SHALL BE APPROVED EQUIPMENT.
 3. ALL PIPES SHALL BE BLACK STEEL CONFORMING TO ASTM A-53 SCHEDULE 40, UNLESS NOTED OR APPROVED OTHERWISE.
 4. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE PREVENTIVE MAINTENANCE MANUAL.
 5. FOR GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE DRAWING.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE APPROVED CONDITIONS FOR APPROVAL FROM TO THE LOCATION OF THE WORK.
 7. ALL FIRE WATER MASSES/ SHOWN SHALL BE PROVIDED WITH AIR PRESSURE RELEASE VALVES AT THE CEILING LEVEL OF THE FLOOR TO WHICH THEY ARE LOCATED.
 8. THE CONTRACTOR SHALL PROVIDE FIRE HOSE RACK CABINET SHALL BE 2'-1/2" MINIMUM.

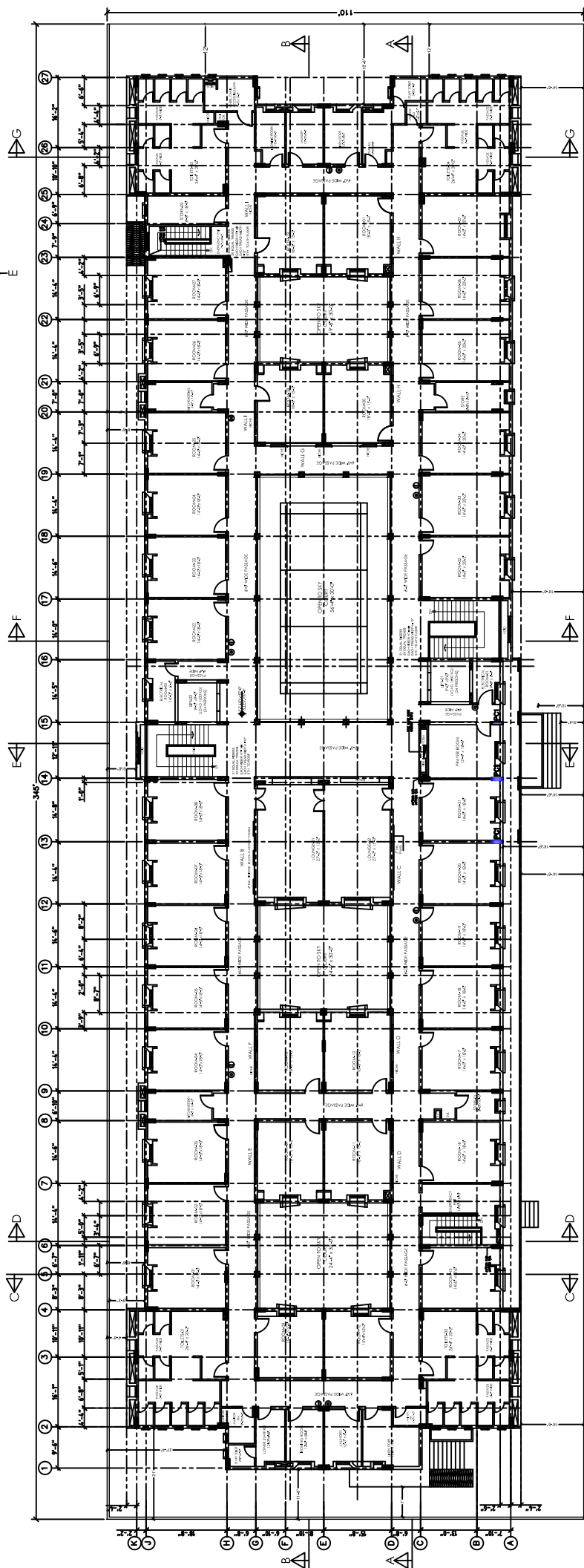
LEGENDS:

SYMBOL	DESCRIPTION
○	CHEMICAL PORTABLE FIRE EXTINGUISHER
◻	DRY CHEMICAL POWDER PORTABLE FIRE EXTINGUISHER
▭	FIRE HOSE RACK CABINET
○	FIRE HOSE RACK (WITH 2 HOSE 3'-1/2" DIA)
□	ONE HOSE (DRY TYPE)

PROJECT: Dow University of Health Sciences, Babae-Ujju Road, Karachi, Pakistan.	PROJECT NO:	1715
	DATE:	JULY -2023
TITLE: PLUMBING LAYOUT FIRE FIGHTING NETWORK	SCALE:	1/8" = 1'-0"
	STATUS:	TENDER DRAWING
PROJECT:	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	
SHEET NO:	P-FF-01b	



OPEN AREA



**5TH FLOOR PLAN
FIRE FIGHTING**

PAVED ROAD

- NOTES:**
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL PIPES SHALL BE BLACK STEEL UNLESS OTHERWISE STATED.
 3. ALL PIPES SHALL BE BLACK STEEL CONFORMING TO ASTM A-53 SCHEDULE 40, UNLESS NOTED OR APPROVED OTHERWISE.
 4. ALL PIPES SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTIVE ASSOCIATION (NFPA) 13.
 5. FOR GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE DRAWING SET.
 6. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE CONDITIONS FOR APPROVAL FROM THE LOCATION OF THE WORK.
 7. ALL FIRE WATER MASSES/ SHOWN SHALL BE PROVIDED WITH AIR PRESSURE RELEASE VALVES AT THE CEILING LEVEL OF THE FLOOR TO WHICH THEY ARE LOCATED.
 8. THE CONTRACTOR SHALL PROVIDE FIRE HOSE RACKS AS SHOWN ON THE DRAWING.

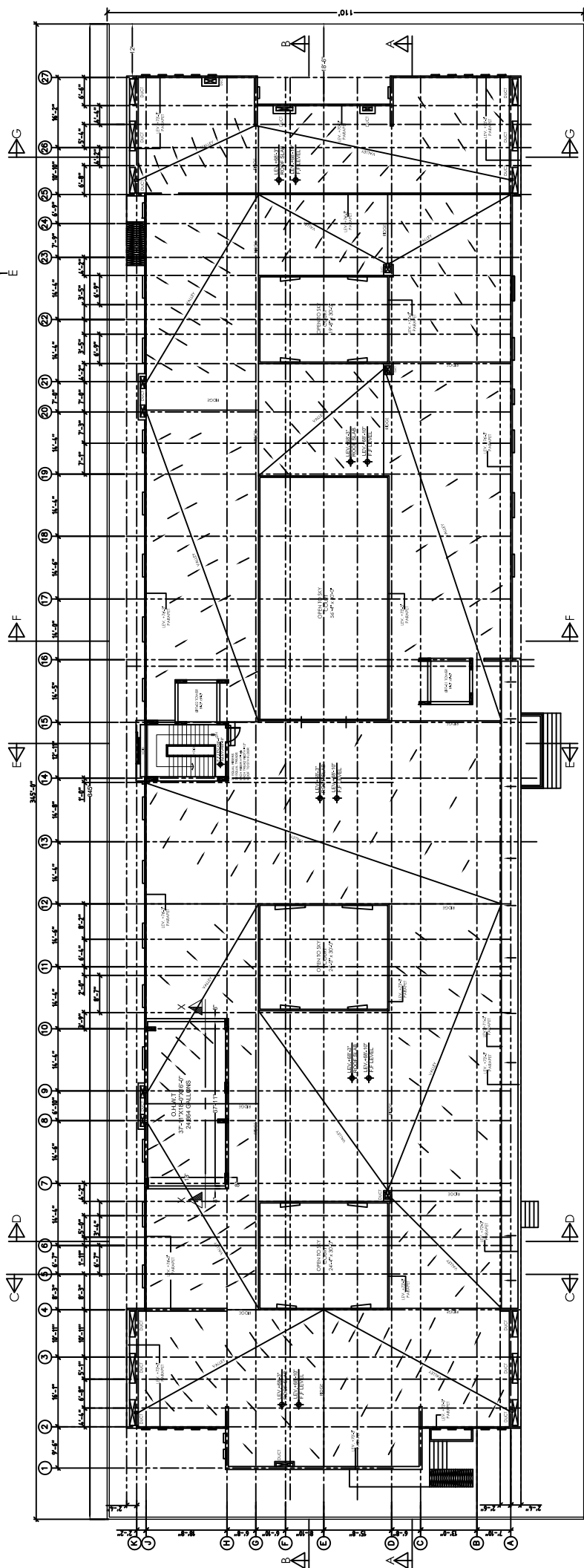
LEGENDS:

SYMBOL	DESCRIPTION
●	CHEMICAL PORTABLE FIRE EXTINGUISHER
●	DRY CHEMICAL PORTABLE FIRE EXTINGUISHER
●	FIRE HOSE RACK
●	FIRE HOSE CABINET
●	FIRE ALARM PULL STATION
●	FIRE EXTINGUISHER CABINET
●	FIRE HOSE MOUNT (WITH 2 INCH 3-1/2" OUTLET)
●	PIPE VALVE (DRY TYPE)

PROJECT: Dow University of Health Sciences, Babae-Urdu Road, Karachi, Pakistan.	PROJECT NO:	1715
	DATE:	JULY -2023
TITLE: PLUMBING LAYOUT FIRE FIGHTING NETWORK	SCALE:	1/8" = 1'-0"
	STATUS:	TENDER DRAWING
PROJECT:	GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	SHEET NO: P-FF-01C



OPEN AREA



PAVED ROAD

ROOF PLAN
FIREFIGHTING

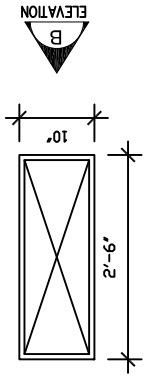
- NOTES:
1. ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE STATED.
 2. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE STATED.
 3. ALL PIPES SHALL BE BLACK STEEL CONFORMING TO ASTM A-53 SCHEDULE 40, UNLESS NOTED OR APPROVED EQUIVALENT.
 4. ALL PIPES SHALL BE SUPPORTED BY HANGERS AS SHOWN ON THE SCHEDULE.
 5. PROTECTIVE RED PAINT SHALL BE APPLIED TO ALL PIPES.
 6. FOR GENERAL NOTES, LEGENDS & OTHER DETAILS REFER TO THE GENERAL NOTES AND LEGENDS OF THE DRAWING.
 7. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS BASED ON THE CONDITIONS SHOWN ON THE DRAWING AND SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY ERRORS OR OMISSIONS AT THE EXPIRE DATE OF ANY PERMIT TO CONSTRUCT.
 8. ALL FIRE WATER MESSAGES/ SIGNAGES SHALL BE PROVIDED WITH AN APPROPRIATE MESSAGE AT THE EXPIRE DATE OF ANY PERMIT TO CONSTRUCT.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY ERRORS OR OMISSIONS AT THE EXPIRE DATE OF ANY PERMIT TO CONSTRUCT.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY ERRORS OR OMISSIONS AT THE EXPIRE DATE OF ANY PERMIT TO CONSTRUCT.

LEGENDS:

SYMBOL	DESCRIPTION
①	CHARMONOXIDE PORTABLE FIRE EXTINGUISHER
②	NET OPERABLE PORTABLE FIRE EXTINGUISHER
③	DRY CHEMICAL PORTABLE FIRE EXTINGUISHER
④	FIRE HOSE RACK CABINET
⑤	FIRE HOSE RACK CABINET (WITH 2 HOSE 3-1/2" DIA)
⑥	ONE WALK (8000 TYPE)

PROJECT: Dow University of Health Sciences, Baba-e-Jurdu Road, Karachi, Pakistan.	PROJECT NO:	1715
	DATE:	JULY -2023
TITLE: PLUMBING LAYOUT FIREFIGHTING NETWORK	REVISION:	
	SCALE:	1/8" = 1'-0"
STATUS: TENDER DRAWING	SHEET NO:	P-FF-01d

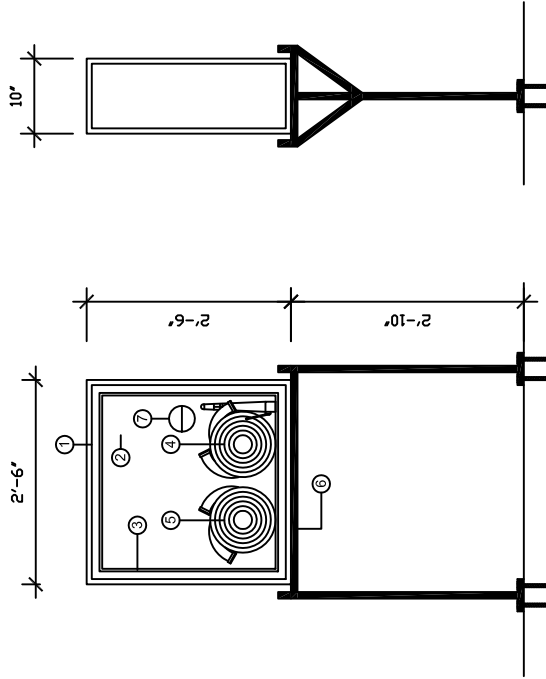
FIRE HOSE BOX CABINET DETAILS



ELEVATION-A

SR. NO.	DESCRIPTION
1.	STEEL BOX AND FRAME 18 GAUGE
2.	GLASS 5mm THICK FOR DOOR
3.	STEEL PLATE DOOR FRAME
4.	FLEXIBLE HOSE 2-1/2"(DOOR LENGTH) WITH BRASS NOZZLE MULTIPURPOSE AS APPROVED
5.	EXTENSION FLEXIBLE HOSE 2-1/2"(SOR LENGTH)
6.	STEEL STAND AS APPROVED
7.	LOOKING ARRANGEMENT WITH HANDLE

FIRE HOSE BOX CABINET (TYP.)



ELEVATION-A

ELEVATION-B

NOTES:
 1. FIRE HOSE BOX CABINET SHALL BE PROVIDED WITH EACH EXTERNAL FIRE POINT.

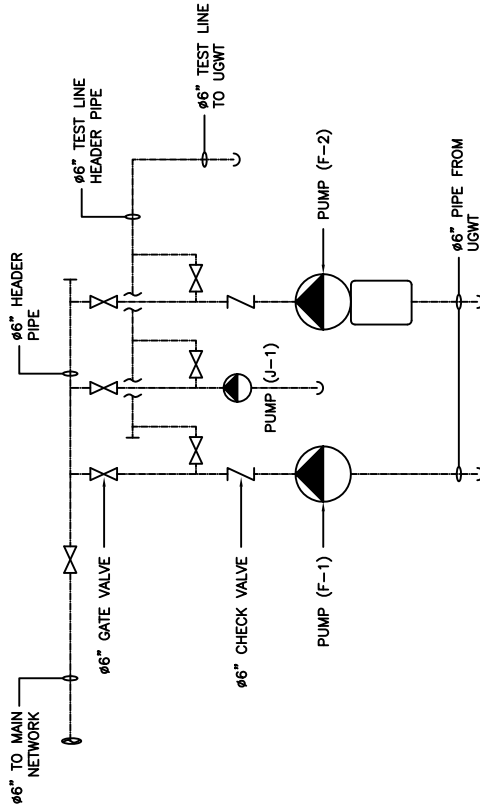
PROJECT: Dow University of Health Sciences, Babb-e-Urdu Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI		DATE: JUNE -2023	PROJECT NO: 1715
	TITLE: PLUMBING (FIREFIGHTING NETWORK) MISCELLANEOUS DETAILS (SHEET 02 OF 02)	REVIEWED:	SCALE: NTS	SHEET NO: P-FF-01g
STATUS: TENDER DRAWING				

SCHEDULE OF FIRE WATER PUMPS

PUMP NO.	DESCRIPTION OF PUMPS	STATUS	FLOW (US.GPM)	PUMPING HEAD (BAR)	RATING (HP) (APPROX.)
F-1	FIRE WATER PUMP (WITH ELECTRIC MOTOR)	DUTY	500	9.0	75
F-2	FIRE WATER PUMP (WITH DIESEL ENGINE)	STANDBY	500	9.0	75
J-1	JOCKEY PUMP (WITH ELECTRIC MOTOR)	DUTY	10	10.0	3

SEQUENCE OF OPERATION OF FIRE WATER PUMPS

- 1- ONE PUMP SHALL BE DUTY & ONE PUMP SHALL BE STANDBY OF CAPACITY AND HEAD AS SHOWN.
- 2- JOCKEY PUMP SHALL BE INSTALLED ON LINE TO MAINTAIN THE CONSTANT PRESSURE OF 9.0 BARS AT ALL TIMES.
- 3- JOCKEY PUMP SHALL START WHEN PRESSURE DROPS TO 8.5 BARS AND STOP AT 9.0 BARS. THIS IS IN CASE OF MINOR LEAKAGE ONLY.
- 4- IN CASE OF FIRE ERUPTION, DUTY PUMP SHALL START AUTOMATICALLY WHEN PRESSURE DROPS TO 8.0 BARS.
- 5- IF DUTY PUMP FAILS TO MAINTAIN THE REQUIRED PRESSURE, THEN STANDBY PUMP SHALL START AUTOMATICALLY WHEN THE PRESSURE DROPS TO 7.0 BARS.
- 6- MAIN FIRE PUMPS SHALL STOP MANUALLY.
- 7- IF STANDBY PUMP FAILS TO START, AN AUDIO ALARM SHALL BE SOUNDED.
- 8- CHURN PRESSURE (SHUTOFF HEAD) OF ALL PUMPS SHALL NOT EXCEED 140% OF THEIR RATED HEAD.
- 9- ALL PUMPS CAN RUN SIMULTANEOUSLY TO MAINTAIN THE REQUIRED PRESSURE.

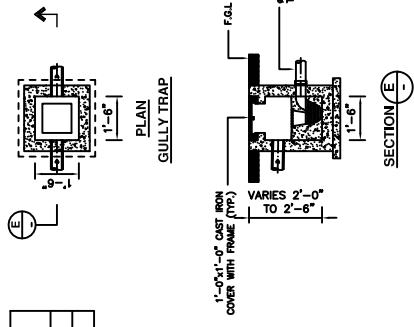
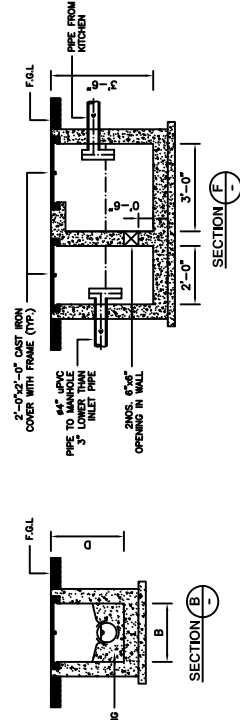
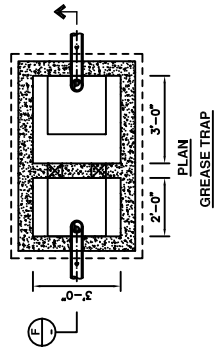
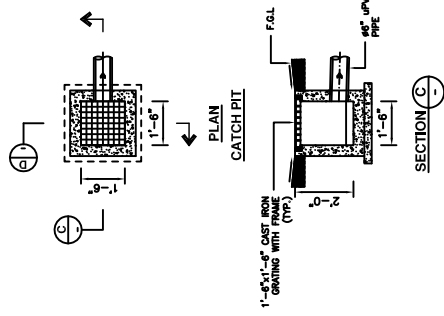
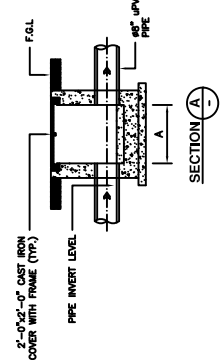
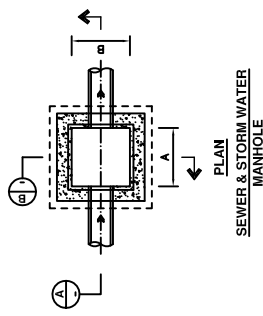


FIRE WATER PUMPS

NOTE FOR FIRE PUMPS:

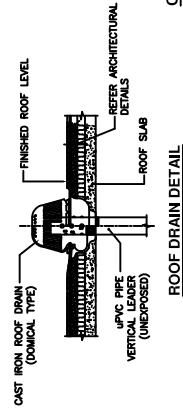
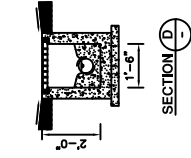
- 1- ALL PUMPS AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFFA 20.
- 2- ALL VALVES & FITTINGS SHALL BE LISTED AND APPROVED.
- 3- ALL MAIN FIRE PUMPS SHALL BE LISTED AND APPROVED.
- 4- ALL PIPES SHALL BE SEAMLESS BLACK STEEL SCHEDULE-40, GRADE-B CONFORMING TO ASTM A53.
- 5- ALL PIPING SHALL BE IN ACCORDANCE WITH NFFA REQUIREMENTS.
- 6- ALL VALVES & APPURTENANCES SHOWN ARE INDICATIVE. TYPES, NUMBERS & DETAILS OF VALVES & OTHER APPURTENANCES SHALL BE PROVIDED BY THE MANUFACTURER.

PROJECT: Dow University of Health Sciences, Baba-e-Judi Road, Karachi, Pakistan.	PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OJHA CAMPUS KARACHI	DATE: JUNE -2023	PROJECT NO: 1715
TITLE: FIRE WATER PUMPS SCHEMATIC LAYOUT PLAN		SCALE: NTS	SHEET NO: P-FF-01e
STATUS: TENDER DRAWING			

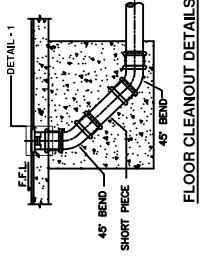


SCHEDULE OF SEWER & STORM WATER MANHOLE

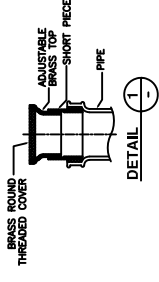
S.NO.	SIZE OF MANHOLE (A x B)	DEPTH (D) MIN.	DEPTH (D) MAX.
1.	2'-0" x 2'-0"	2'-6"	3'-6"
2.	2'-6" x 2'-6"	3'-6"	5'-6"



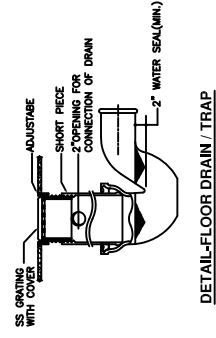
ROOF DRAIN DETAIL



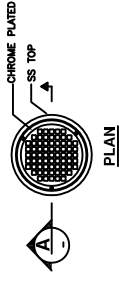
FLOOR CLEANOUT DETAILS



CEILING CLEANOUT DETAIL



DETAIL-FLOOR DRAIN / TRAP



CHROME PLATED SS GRATING COVER

PROJECT: Dow University of Health Sciences, Baboe-Ujalu Road, Karachi, Pakistan.

PROJECT: GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJA CAMPUS KARACHI

REVISIONS:
REVISED: _____
DATE: _____
SCALE: _____

TITLE: PLUMBING
MISCELLANEOUS DETAILS
TENDER DRAWING

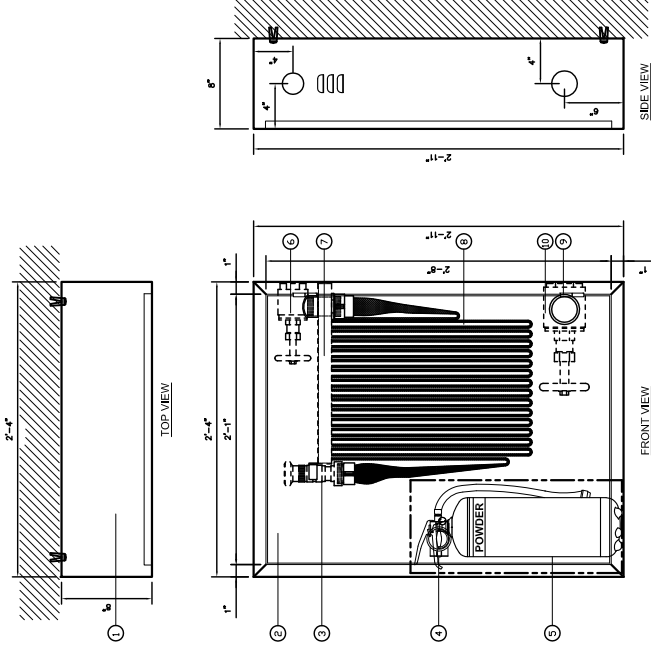
DATE: JULY -2023
PROJECT NO: 1715
SHEET NO: P-WS-011

STATUS: NTS

CABINET DIMENSION	
Width	2'-4"
Height	2'-11"
Depth	8" to 9"
CABINET ASSEMBLY - MILD STEEL	
DOOR & FRAME - MILD STEEL	
SURFACE TYPE	
DOOR OPENING	

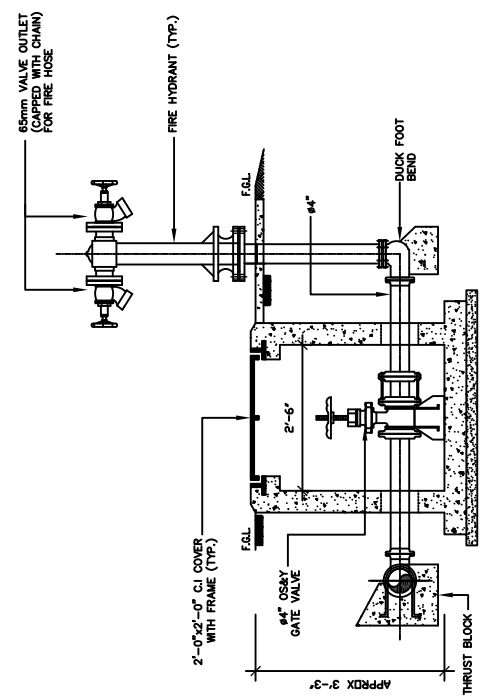
ITEM NO.	DESCRIPTION	MATERIAL NAME	QTY.
1	CABINET SUB ASSEMBLY	MILD STEEL 1.00 MM	1
2	DOOR & FRAME	MILD STEEL 1.00 MM RED PAINTED	1
3	NOZZLE	1.5" Chrome Finish	1
4	HANDLE	CHROME PLATED	1
5	FIRE EXTINGUISHER	8KG DCP	1
6	VALVE	1.5" BRASS	1
7	HOSE RACK	STEEL	1
8	HOSE REEL	1.5" x 30M, WHITE COLOR SYNTHETIC JACKET HOSE REEL	1
9	HINGES	PUSH PIN	2
10	VALVE	2.5" BRASS	1

* FIRE HOSE FOR USE BY OCCUPANTS*
CAUTION: DO NOT USE IN ELECTRICAL FIRE

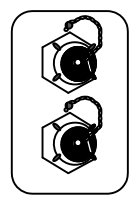


HOSE RACK CABINET
SURFACE TYPE SINGLE DOOR, HOSE RACK CABINET, DOORS & FRAMES 1MM MILD STEEL RED PAINTED, BACK BOX 1MM MILD STEEL RED PAINTED

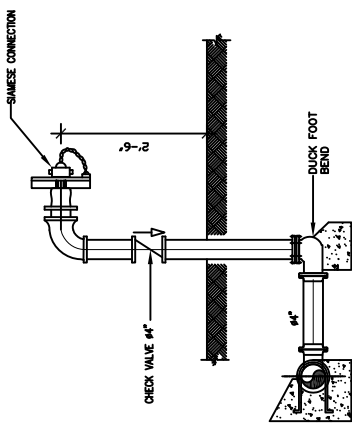
NOTES:
1. PRESSURE REGULATING VALVE SHALL BE INSTALLED AT EACH 1-1/2" HOSE CONNECTION AT THE FIRE HOSE CONNECTION. THE PRESSURE AT HOSE CONNECTION EXCEEDS 100 PSI (6.9 BAR).
2. PRESSURE REGULATING VALVE SHALL BE INSTALLED AT EACH 2-1/2" HOSE CONNECTION AT THE FIRE HOSE CONNECTION. THE PRESSURE AT HOSE CONNECTION EXCEEDS 175 PSI (12.1 BAR).



SECTION
ABOVE GROUND FIRE HYDRANT (TYP.)

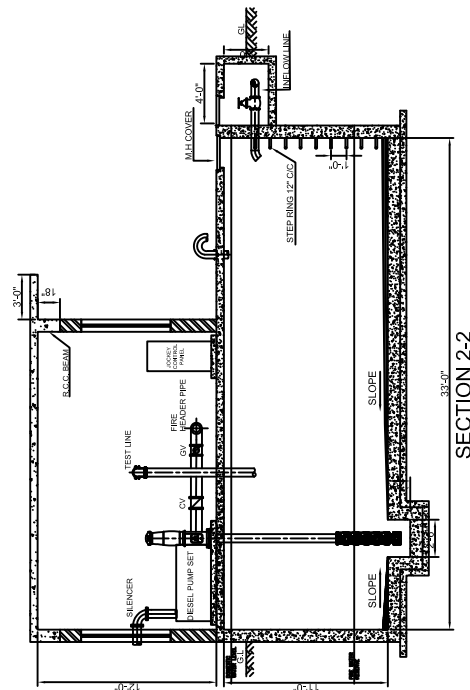


DETAIL OF SIAMESE CONNECTION

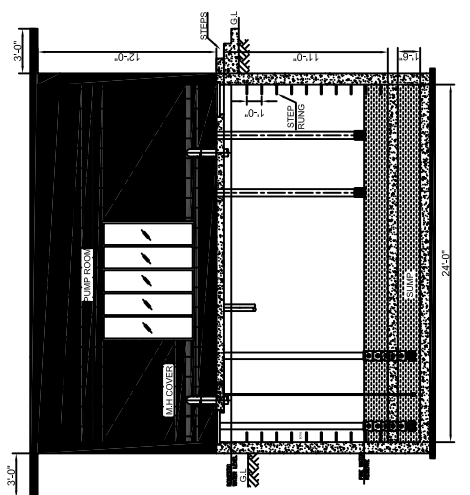


DETAIL OF SIAMESE CONNECTION

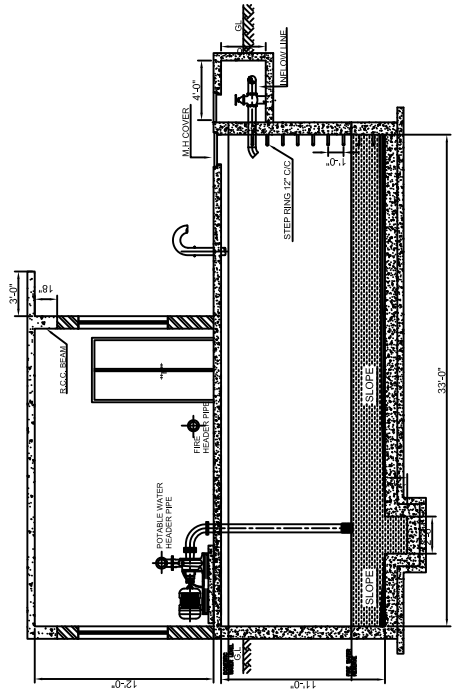
PROJECT: GIRLS HOSTEL DOW UNIVERSITY OF HEALTH SCIENCES, OUJHA CAMPUS KARACHI	DATE: JUNE -2023	PROJECT NO: 1715
	SCALE: NTS	SHEET NO: P-FF-01f
TITLE: PLUMBING (FIREFIGHTING NETWORK) MISCELLANEOUS DETAILS (SHEET 01 OF 02)	REVISED:	
STATUS: TENDER DRAWING		



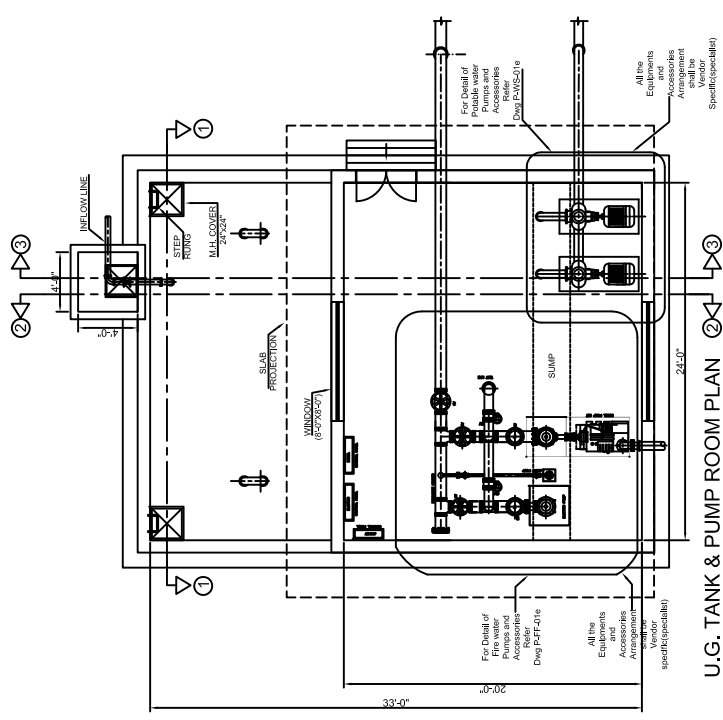
SECTION 2-2



SECTION 1-1



SECTION 3-3



U.G. TANK & PUMP ROOM PLAN

PROJECT: Dow University of Health Sciences, Baba-e-Urdu Road, Karachi, Pakistan.	TITLE: PUMP ROOM & U.G.W.TANK DETAIL		DATE: JULY-2023	PROJECT NO.: 1915
	STATUS: TENDER DRAWING		SCALE: N.T.S	SHEET NO.: P-PF-01h
REVISIONS:				
NO.	DATE	DESCRIPTION		

GIRLS HOSTEL
 DOW UNIVERSITY OF HEALTH SCIENCES,
 OJHA CAMPUS KARACHI

1 - GENERAL NOTES (PLUMBING):

- 1 - PLUMBING WORKS SHALL BE COORDINATED WITH OTHER SERVICES SUCH AS ELECTRICAL, HVAC ETC. TO AVOID CONFLICT OR INTERFERENCE BEFORE EXECUTION.
- 2 - PIPE PASSING THROUGH WALLS, SLABS OR ROOFS SHALL PASS THROUGH SLEEVES AS SPECIFIED.
- 3 - PROVIDE WALL CLEAN OUT (WCO) ON ALL VERTICAL STACKS OF WASTE, SOIL & ROOF DRAINAGE ON EACH FLOOR.
- 4 - DRAINAGE STACKS SHALL BE CONNECTED TO UNDERGROUND DRAIN PIPE BY 90° LARGE/LONG RADIUS BEND OR TWO 45° BENDS AS PER SITE CONDITIONS.
- 5 - PIPE SIZES ARE IN INCHES.
- 6 - SIZE OF FLOOR DRAIN UNLESS OTHERWISE SPECIFIED SHALL BE SAME AS THE SIZE OF OUTLET DRAIN PIPE.
- 7 - WHEREVER FLOOR DRAIN/TRAP IS SHOWN, SLOPE FLOOR TOWARDS DRAIN, AFTER COORDINATING WITH ARCH/ENGINEER.
- 8 - VENT PIPES THROUGH ROOF SHALL BE TERMINATED AT LEAST TWO FEET ABOVE FINISHED ROOF LEVEL & SHALL HAVE MIN. 12" VENT PIPES FROM ROOF BY PROPER FLASHING, CLAMPING AS PER ARCH DETAILS.
- 9 - WHERE THE CHANGE OF DIRECTION IS 45° OR LESS, IT IS NOT NECESSARY TO PROVIDE CLEAN OUT. IF THE CHANGE IN DIRECTION IS MORE THAN 45°, A CLEAN OUT SHALL BE REQUIRED.
- 10 - CLEAN OUTS SHALL BE PROVIDED FLUSH WITH FLOORS.
- 11 - ALL TRAPS AND FLOOR DRAINS SHALL HAVE A WATER SEAL NOT LESS THAN 2 INCHES.
- 12 - PROVIDE PRESSURE RELIEF VALVES OR ENERGY SHUT OFF DEVICES FOR ALL EQUIPMENT USED FOR THE HEATING OR STORAGE OF HOT WATER.
- 13 - ACCESS PANEL FOR PIPES SHALL BE PROVIDED IN DUCTS AS PER ENGINEERS INSTRUCTIONS & REQUIREMENT OF SITE.
- 14 - PROVIDE GATE VALVES ON EACH ENTRY TO TOILETS AND ON THE LONG RUNS IN TOILETS WHETHER SHOWN ON DRAWING OR NOT.
- 15 - CONTRACTOR SHALL LAY SEWER LINE AND CONSTRUCT MANHOLES AFTER CHECKING THE EXISTING RECORD DRAWINGS AND OBTAIN APPROVAL FROM THE ENGINEER BEFORE START OF WORK.
- 16 - PIPE SLOPE OF WASTE & DRAIN SHALL BE AS PER INTERNATIONAL PLUMBING CODE.
- 17 - ROOF DRAIN & SLEEVES ON ROOF TO BE INSTALLED AFTER COORDINATION IN ALL RESPECT WITH OTHER SPECIALTIES.
- 18 - INSULATION SHALL BE PROVIDED FOR ALL EXPOSED WATER SUPPLY PIPES AT ROOF.
- 19 - ALL PIPES SHALL BE PROPERLY CLAMPED, SUPPORTED WITH PIPE HANGERS, CLAMPS AND OTHER SUPPORTING FITTINGS.
- 20 - ALL BURIED GI PIPES SHALL BE WRAPPED WITH POLYETHYLENE TAPE COATING.

2 - LEGENDS:

SYMBOL	DESCRIPTION
	ASHW WATER CLOSET
	BIB TAP
	COLD WATER PIPE
	CHECK VALVE OR NON-RETURN VALVE
	CLEANOUT PLUG
	CARBON DIOXIDE PORTABLE EXTINGUISHER
	WET CHEMICAL PORTABLE EXTINGUISHER
	DRY CHEMICAL POWDER PORTABLE EXTINGUISHER
	DRAIN PIPE
	EXPANDED WATER CLOSET
	FLOOR DRAIN
	FLOOR TRAP
	FIRE PIPE
	FLANT VALVE
	FLOOR CLEANOUT
	FOAM
	FIRE HOSE CABINET
	GETSER
	GATE VALVE IN CHAMBER
	DATE VALVE IN HORIZONTAL PIPE
	DATE VALVE IN VERTICAL PIPE
	GULLY TRAP
	GREASE TRAP
	HOT WATER PIPE
	KITCHEN SINK
	MANHOLE
	PIPE RISER WITH BEND
	RAIN WATER PIPE
	SEWER PIPE
	SOIL PIPE
	WASTE PIPE
	WASH BASIN
	DRAINAGE PUMP

3 - ABBREVIATIONS:

SYMBOL	DESCRIPTION
B/S	BELOW GROUND
CM	COLD WATER PIPE
CMC	COLD WATER PIPE ABOVE CEILING
C/HMAC	COLD & HOT WATER ABOVE CEILING
CMR	COLD WATER RISER
CV	CHECK VALVE
COP	CLEANOUT PLUG
Ø	DIAMETER OF PIPE
ENG	ELECTRIC WATER COPOLER
EMH	ELECTRIC WATER HEATER
F/B	FROM BELOW
F/A	FROM ABOVE
FOOP	FLOOR CLEANOUT
FD	FLOOR DRAIN
FT	FLOOR TRAP
GV	GATE VALVE
HM	HOT WATER PIPE
HMAC	HOT WATER PIPE ABOVE CEILING
HMR	HOT WATER RISER
HWP	HOT WATER PIPE
RWO	RAIN WATER OUTLET
SP	SOIL PIPE
S/S	SOIL STACK
SMC/L	SOIL PIPE AT CEILING LEVEL
T/B	TO BELOW
T/A	TO ABOVE
VAC	VENT ABOVE CEILING
VP	VENT PIPE
V/S	VENT STACK
VAC	VERT PIPE ABOVE FALSE CEILING
WP	WASTE PIPE
W/S	WASTE STACK
DP	STORM WATER DRAIN PIPE

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

PROJECT:
GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OUJHA CAMPUS KARACHI

TITLE:
PLUMBING
GENERAL NOTES, LEGENDS & ABBREVIATIONS

REVIEWED:

Rev. No.	Date	Description

DATE: JUNE -2023
SCALE: NTS

PROJECT NO: 1715
SHEET NO: P-G-01a

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

STRUCTURAL
TENDER DRAWINGS
JULY, 2023

Dow University of Health Sciences,
Baba-e-Urdu Road, Karachi, Pakistan.

GIRLS HOSTEL
DOW UNIVERSITY OF HEALTH SCIENCES,
OJHA CAMPUS KARACHI

LIST OF DRAWINGS

STRUCTURAL

AG-01. LIST OF DRAWING

1. FOUNDATION

- FN-01 COLUMN LAYOUT PLAN
- FN-02 FOOTING LAYOUT PLAN
- FN-03 PLINTH BEAM FRAMING PLAN
- LIFT -01 LIFT PIT & ELECTRICAL RM TRENCH DETAIL

2. COLUMN

- COL-01 COLUMN ELEVATIONS
- COL-02 COLUMN SECTIONS

3. FRAMING PLANS

- FR-01. FIRST FLOOR FRAMING
- FR-02. SECOND TO FOURTH FLOOR FRAMING
- FR-03. FIFTH FLOOR FRAMING
- FR-04. ROOF SLAB FRAMING

4. UNDER GROUND WATER TANK & PUMP ROOM

- U.G.W.T -01 UNDER GROUND WATER TANK & PUMP ROOM
- U.G.W.T -02 PUMP ROOM DETAIL

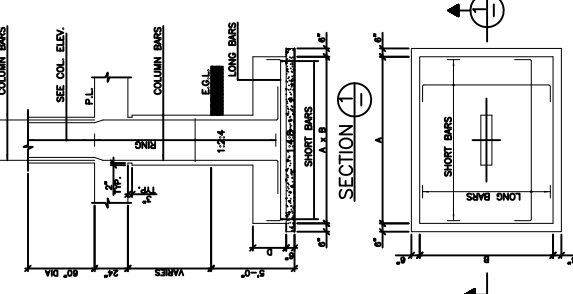
5. MAIN STAIRCASE & EMERGENCY STAIRCASE

6. OVERHEAD WATER TANK

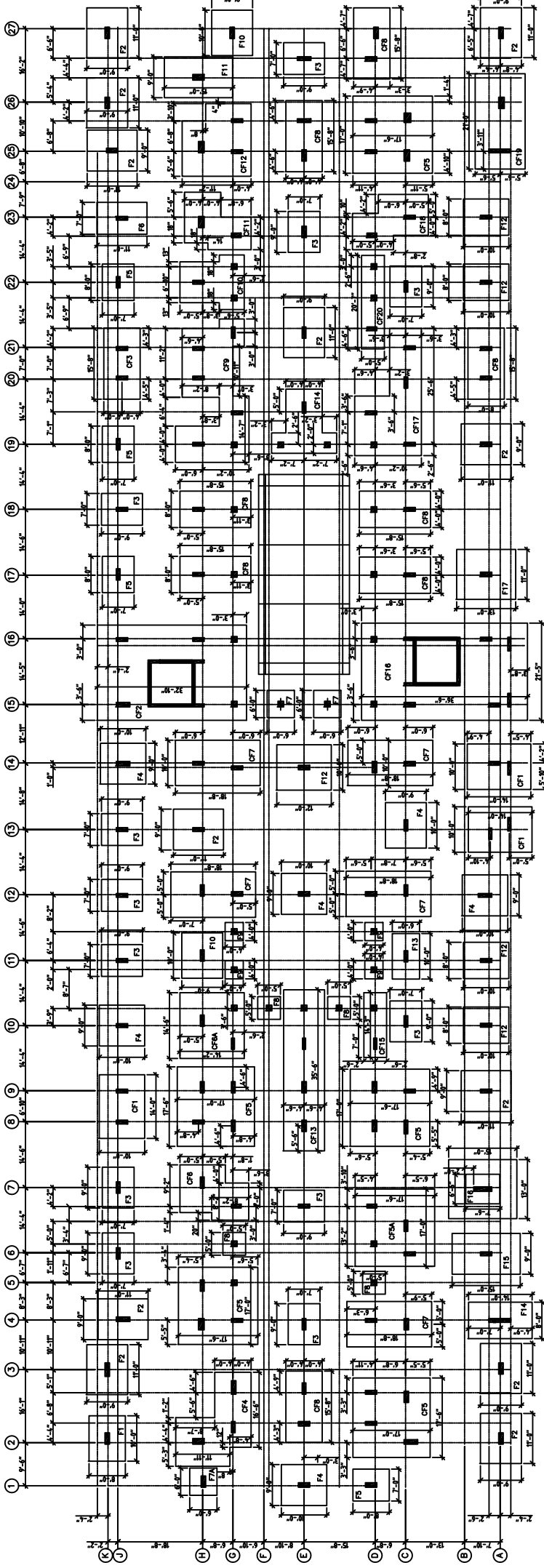
7. LIFT MACHINE ROOM DETAIL

SCHEDULE OF FOOTINGS			
MARK	SIZE	REINFORCEMENT	REINFORCEMENT
	AxB	SHORT BARS	LONG BARS
CF1	14'-0" x 10'-0"	24"	#128 4/6 BOT, #128 4/6 TOP
CF2	32'-0" x 10'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF3	32'-0" x 10'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF4	15'-0" x 8'-0"	18"	#128 4/6 BOT, #128 4/6 TOP
CF5	15'-0" x 8'-0"	18"	#128 4/6 BOT, #128 4/6 TOP
CF6	17'-8" x 17'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF7	17'-8" x 17'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF8	14'-8" x 14'-2"	27"	#128 4/6 BOT, #128 4/6 TOP
CF9	18'-8" x 8'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF10	18'-8" x 8'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF11	SEE PLAN	24"	#128 4/6 BOT, #128 4/6 TOP
CF12	SEE PLAN	30"	#128 4/6 BOT, #128 4/6 TOP
CF13	35'-8" x 8'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF14	SEE PLAN	24"	#128 4/6 BOT, #128 4/6 TOP
CF15	14'-3" x 5'-0"	18"	#128 4/6 BOT, #128 4/6 TOP
CF16	38'-8" x 21'-0"	24"	#128 4/6 BOT, #128 4/6 TOP
CF17	SEE PLAN	30"	#128 4/6 BOT, #128 4/6 TOP
CF18	SEE PLAN	24"	#128 4/6 BOT, #128 4/6 TOP
CF19	21'-0" x 11'-0"	27"	#128 4/6 BOT, #128 4/6 TOP
CF20	20'-7" x 8'-0"	21"	#128 4/6 BOT, #128 4/6 TOP

SCHEDULE OF FOOTINGS			
MARK	SIZE	REINFORCEMENT	REINFORCEMENT
	AxB	SHORT BARS	LONG BARS
F1	10'-0" x 8'-0"	24"	#128 4/6
F2	11'-0" x 8'-0"	30"	#128 4/6
F3	8'-0" x 7'-0"	24"	#128 4/6
F4	10'-0" x 8'-0"	27"	#128 4/6
F5	8'-0" x 7'-0"	24"	#128 4/6
F6	8'-0" x 8'-0"	18"	#128 4/6
F7A	8'-0" x 8'-0"	18"	#128 4/6
F7B	8'-0" x 8'-0"	18"	#128 4/6
F8	4'-0" x 4'-0"	15"	#128 4/6
F9	10'-0" x 8'-0"	24"	#128 4/6
F10	15'-0" x 8'-0"	30"	#128 4/6
F11	12'-0" x 10'-0"	30"	#128 4/6
F12	12'-0" x 10'-0"	30"	#128 4/6
F13	10'-0" x 8'-0"	24"	#128 4/6
F14	14'-0" x 8'-0"	27"	#128 4/6
F15	15'-0" x 8'-0"	30"	#128 4/6
F16	15'-0" x 13'-10"	42"	#128 4/6
F17	13'-0" x 11'-0"	30"	#128 4/6



TYP. PLAN OF FOOTING

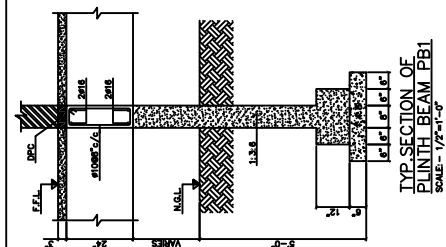


FOOTING LAYOUT PLAN

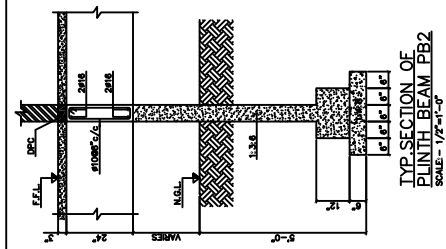
MARK	REVISION	DATE

PROJECT: PROPOSED GIRLS HOSTEL AT
OJHA CAMPUS, DUHS
KARACHI.

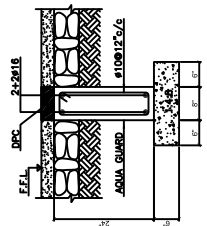
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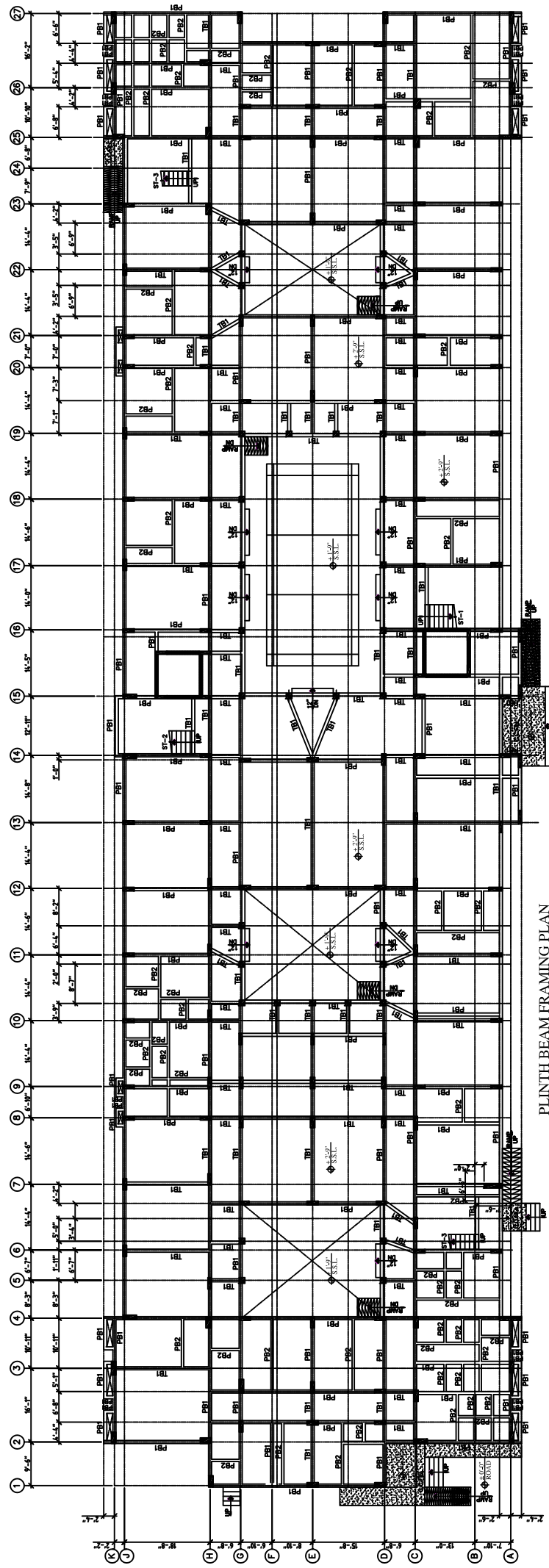
TYP. SECTION OF
PLINTH BEAM PB1
SCALE - 1/2"=1'-0"



TYP. SECTION OF
PLINTH BEAM PB2
SCALE - 1/2"=1'-0"

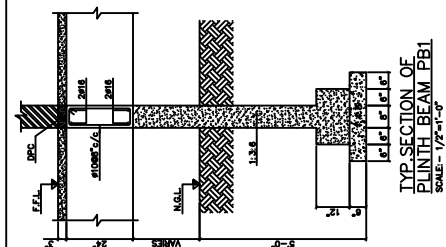


TYP. SEC. OF TIE BEAM (TB1)
SCALE - 3/4"=1'-0"

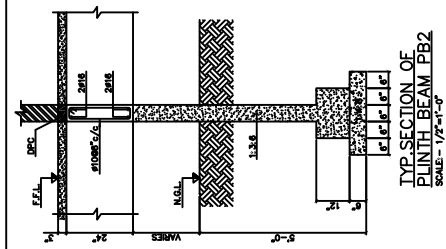


PLINTH BEAM FRAMING PLAN
1"=ALL BEAMS ARE (8"X12") EXCEPT NOTED OTHERWISE

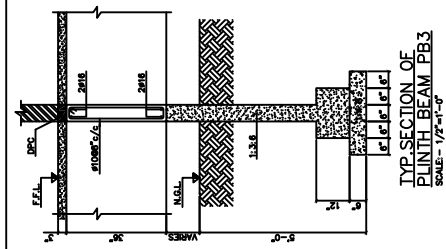
PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	STATUS: ISSUED FOR CONSTRUCTION	DRAWN: <i>Aliya Bano</i>	CHECKED: <i>Nasim</i>	JOB NO: MB-23-00
	MARK: REVISION	TITLE: PLINTH BEAM FRAMING PLAN	SCALE: 3/32" = 1'-0"	DATE: 16-06-2023



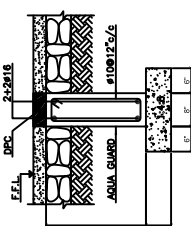
TYP. SEC. OF PLINTH BEAM PB1
SCALE - 1/2"=1'-0"



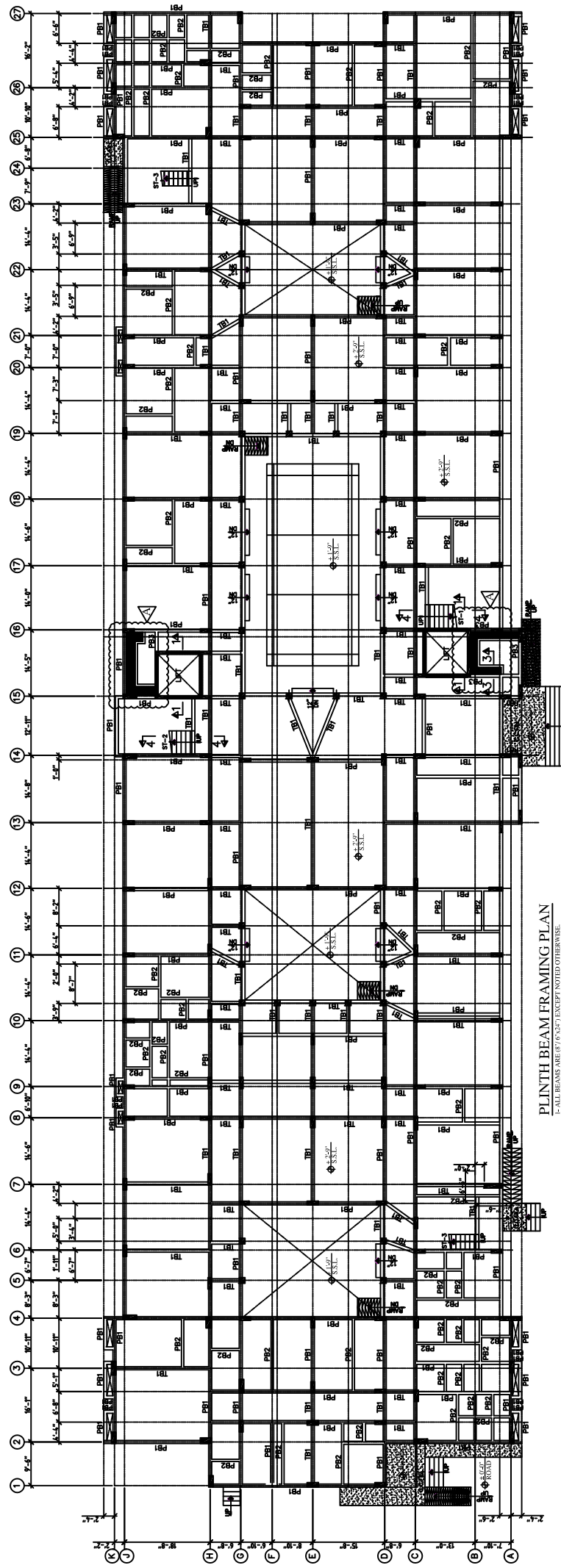
TYP. SECTION OF PLINTH BEAM PB2
SCALE - 1/2"=1'-0"



TYP. SECTION OF PLINTH BEAM PB3
SCALE - 1/2"=1'-0"

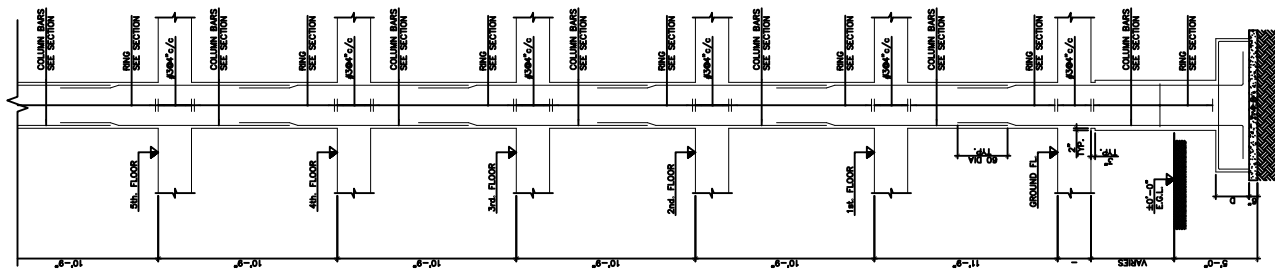


TYP. SEC. OF TIE BEAM (TB1)
SCALE - 3/4"=1'-0"

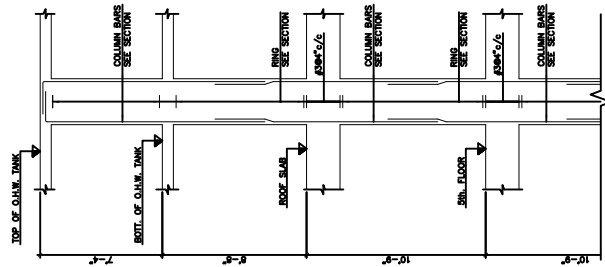


PLINTH BEAM FRAMING PLAN
L-CALL BEAMS ARE (B7) (C2) EXCEPT NOTED OTHERWISE

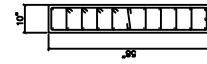
JOB NO: MB-23-00 DRAWN: <i>Alia Parakh</i> STATUS: ISSUED FOR CONSTRUCTION TITLE: PLINTH BEAM FRAMING PLAN	CHECKED: <i>Manan</i> DATE: 16-06-2023	JOB NO: MB-23-00 DRG. NO: FN-03
	SCALE: 3/32" = 1'-0" PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	MARK: REVISION DATE: 04-09-2023



TYP. COLUMN ELEVATION
SCALE: 1/4"=1'-0"



CONT. TYP. COLUMN ELEVATION



MAIN BAR: 24 Ø 20
RING: Ø10 @ 6" C/C

SECTION OF WALL W1
FOUND. TO 2nd. FLOOR
SCALE: (1/2"=1'-0")



MAIN BAR: 24 Ø 16
RING: Ø10 @ 6" C/C

SECTION OF WALL W1
2nd. TO ROOF
SCALE: (1/2"=1'-0")

MARK	REVISION	DATE

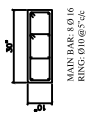
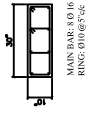
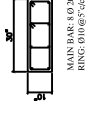

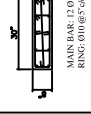
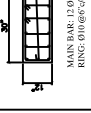
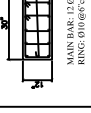
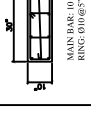
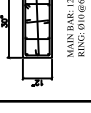

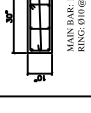
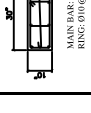
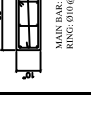
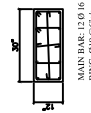
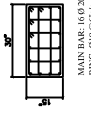
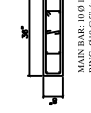
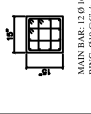
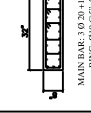
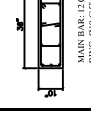
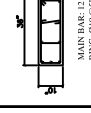
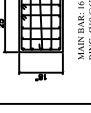
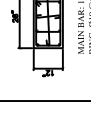
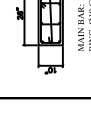
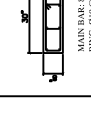
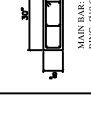
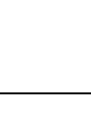

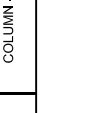
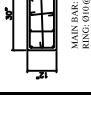
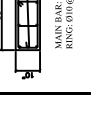
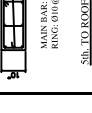

PROJECT:
PROPOSED GIRLS HOSTEL AT
OJHA CAMPUS, DUHS
KARACHI.

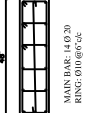
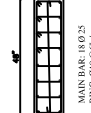
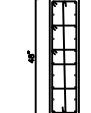
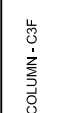


STATUS: ISSUED FOR CONSTRUCTION
TITLE: TYP. COLUMN ELEVATION

DRAWN: *Ain Frank*
SCALE: 1/4"=1'-0"

CHECKED:
DATE: 16-06-2023

JOB NO: MB-23-00
DRG. NO: COL-01

	COLUMN - C1	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C1B	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C1C	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C1D	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C1E	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C2	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C2A	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C3	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C3A	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C3B	FOUND. TO ROOF SLAB	FOUND. TO 2nd FLOOR		COLUMN - C3C	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C3D	FOUND. TO 2nd FLOOR	FOUND. TO 2nd FLOOR		COLUMN - C3E	FOUND. TO ROOF SLAB	FOUND. TO ROOF SLAB		COLUMN - C4	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4B	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4C	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4D	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4E	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4F	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4G	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4H	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4I	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4J	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4K	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4L	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4M	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4N	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4O	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4P	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4Q	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4R	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C4S	FOUND. TO ROOF	FOUND. TO ROOF
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	COLUMN - C5	1st FLOOR TO ROOF	1st FLOOR TO ROOF		COLUMN - C5B	1st FLOOR TO 2nd FLOOR	1st FLOOR TO 2nd FLOOR		COLUMN - C5C	FOUND. TO 1st FLOOR	FOUND. TO 1st FLOOR		COLUMN - C5D	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5E	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5F	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5G	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5H	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5I	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5J	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5K	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5L	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5M	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5N	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5O	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5P	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5Q	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5R	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5S	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5T	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5U	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5V	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5W	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5X	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5Y	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C5Z	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6B	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6C	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6D	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6E	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6F	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6G	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6H	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6I	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6J	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6K	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6L	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6M	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6N	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6O	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6P	FOUND. TO ROOF	FOUND. TO ROOF		COLUMN - C6Q	FOUND. TO ROOF	FOUND. TO ROOF
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Dow University of Health Sciences,
Babae-Johi Road, Karachi, Pakistan.

ISSUED FOR CONSTRUCTION
COLUMN SECTIONS

PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.

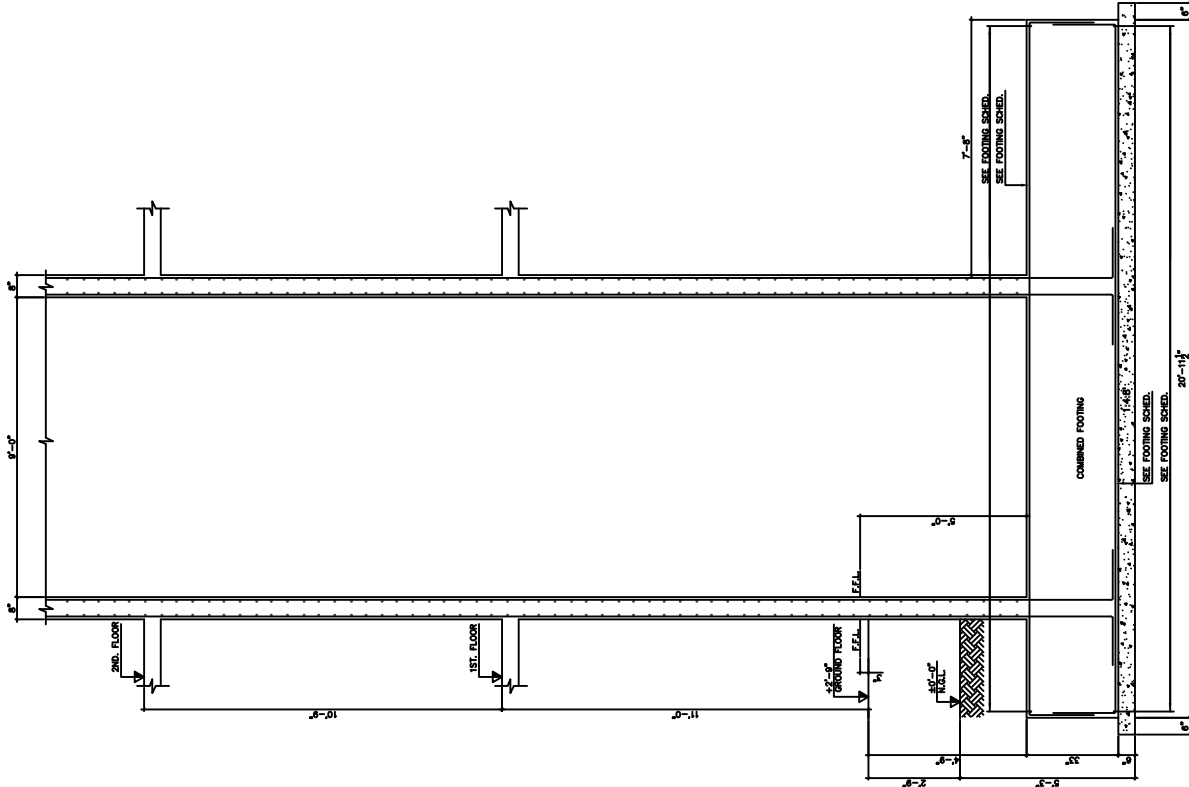
CHECKED: *Ahmed Hanif*
DRAWN: *Ahmed Hanif*
DATE: 16-06-2023
SCALE: 1/2" = 1'-0"

STATUS: **ISSUED FOR CONSTRUCTION**

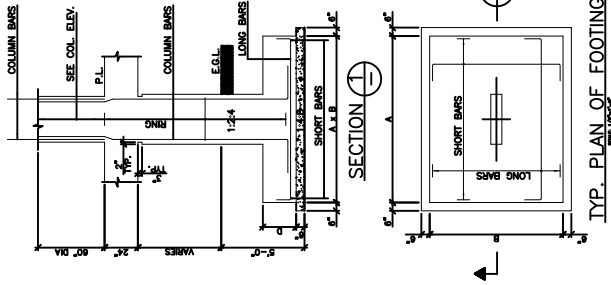
JOB NO: MB-23-00
DRG. NO: COL-02

MARK: REVISION

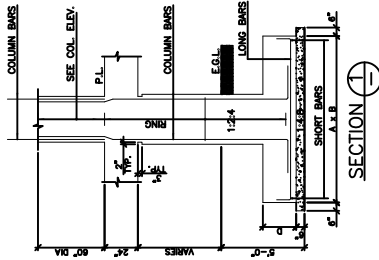
DATE



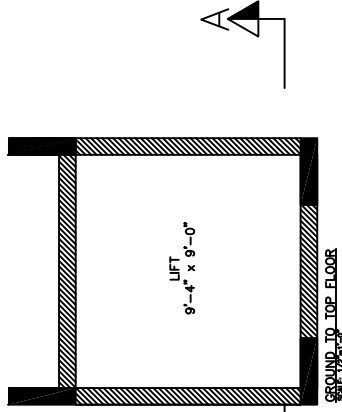
SECTION A-A
SCALE: 1/2"=1'-0"



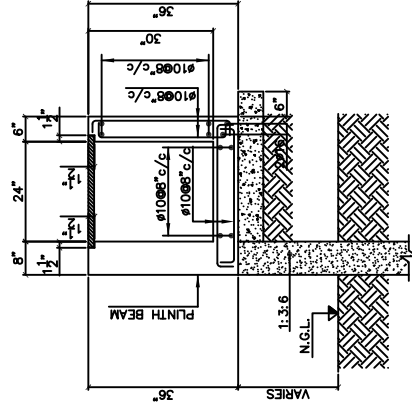
TYP. PLAN OF FOOTING
SEE SPEC.



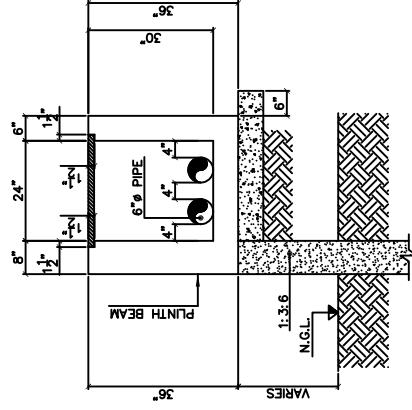
SECTION 1-1



A



SECTION 3-3
SCALE: 1/2"=1'-0"



SECTION 3-3
SCALE: 1/2"=1'-0"

MARK	REVISION	DATE

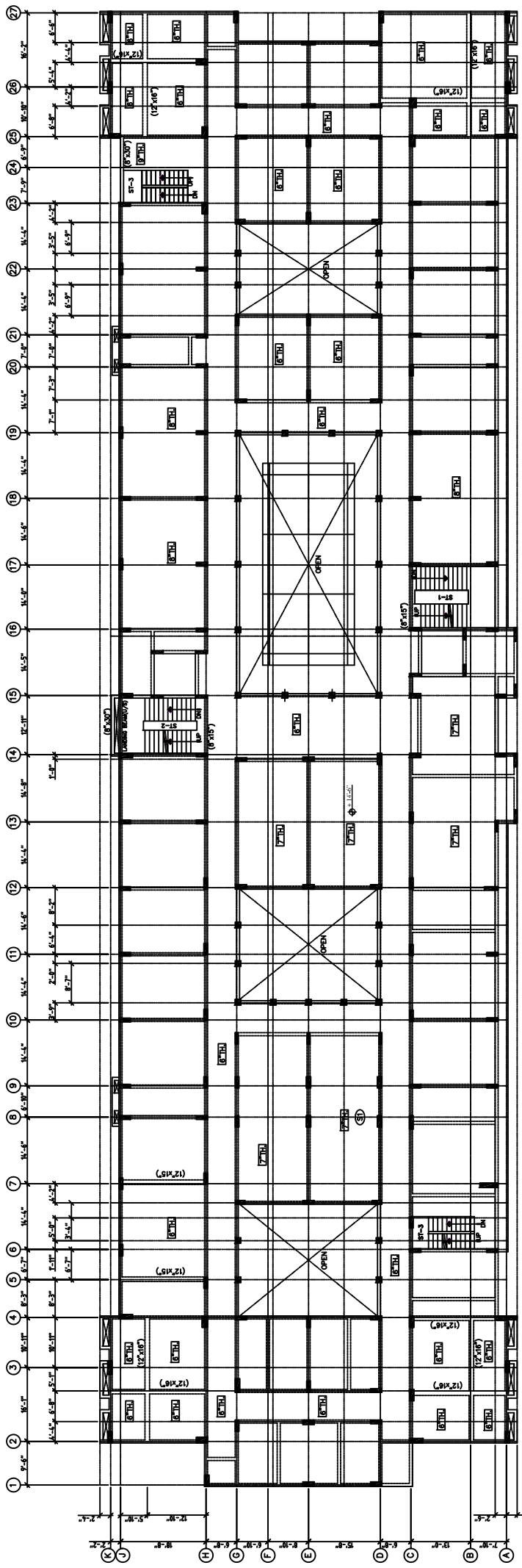
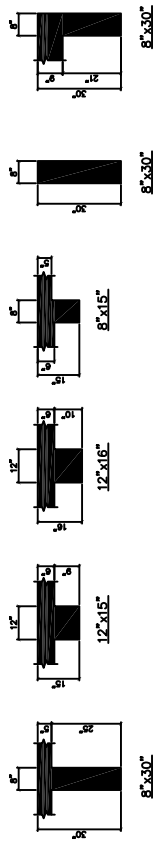
PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.

STATUS: ISSUED FOR CONSTRUCTION
TITLE: LIFT PIT SECTION & ELECTRICAL ROOM TRENCH DETAIL

DRAWN: *Ali Shah*
SCALE: 1/2"=1'-0"

CHECKED: *Manan*
DATE: 25-08-2023

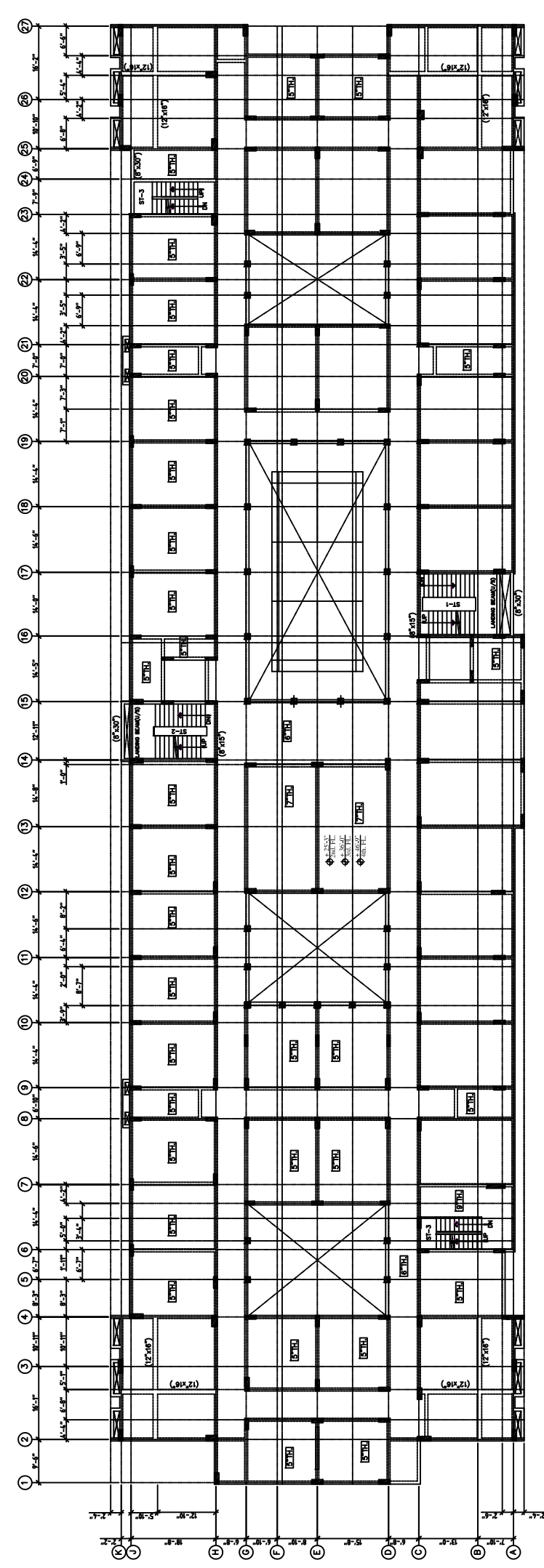
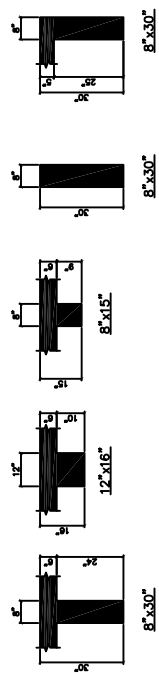
JOB NO: MB-23-00
DRG. NO: LIFT-01



FIRST FLOOR FRAMING PLAN
SCALE = 1/8" = 1'-0"

NOTE:
1-ALL BEAMS ARE 8" THICK EXCEPT NOTED OTHERWISE.
2-ALL BEAMS ARE 8" x 30" EXCEPT NOTED OTHERWISE.
3-ALL COLUMNS ARE 10" x 30" EXCEPT NOTED OTHERWISE.

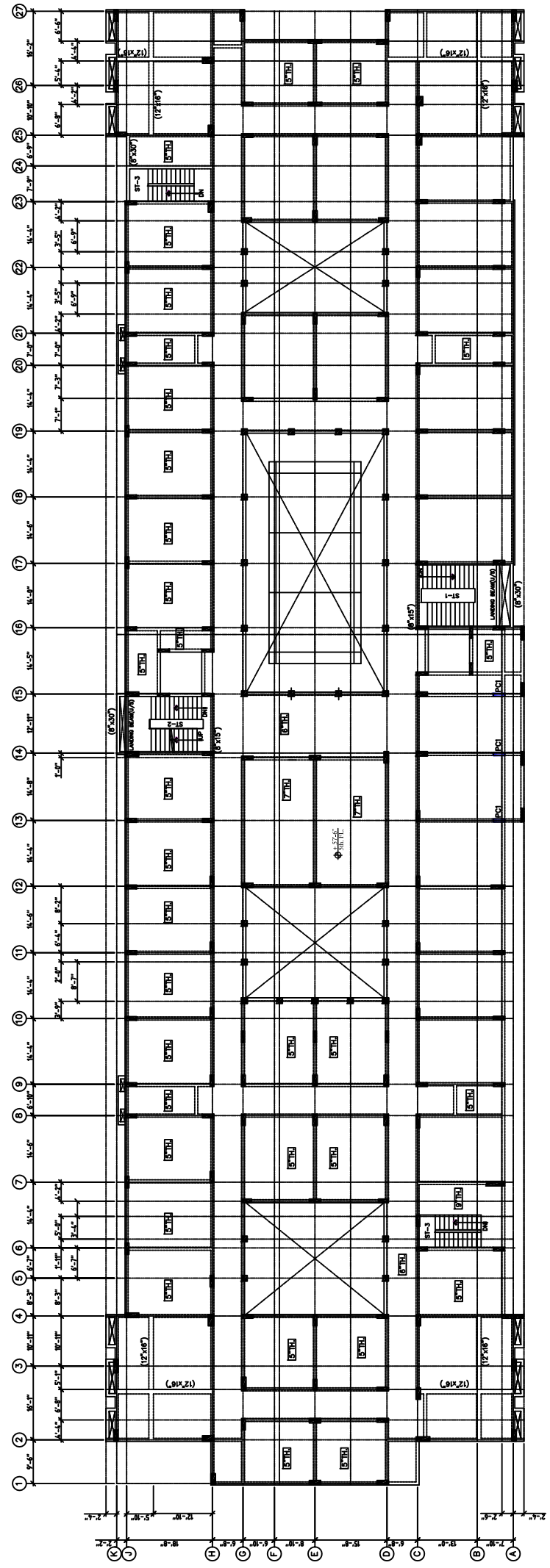
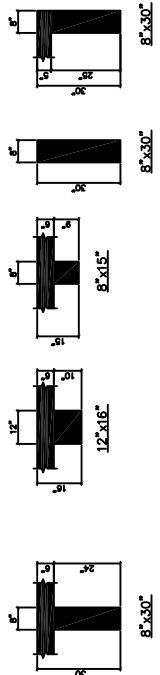
PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	STATUS: TENDER DRAWING	DRAWN: <i>Alta Bark</i>	CHECKED: <i>Manan</i>	JOB NO.: MB-23-00
	MARK: REVISION:	TITLE: FIRST FLOOR FRAMING PLAN	SCALE: 3/32" = 1'-0"	DATE: 16-06-2023



NOTE:
 1- ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE.
 2- ALL BEAMS ARE 8" x 30" EXCEPT NOTED OTHERWISE.

2ND TO 4TH FLOOR FRAMING PLAN
 SCALE - 3/32" = 1'-0"

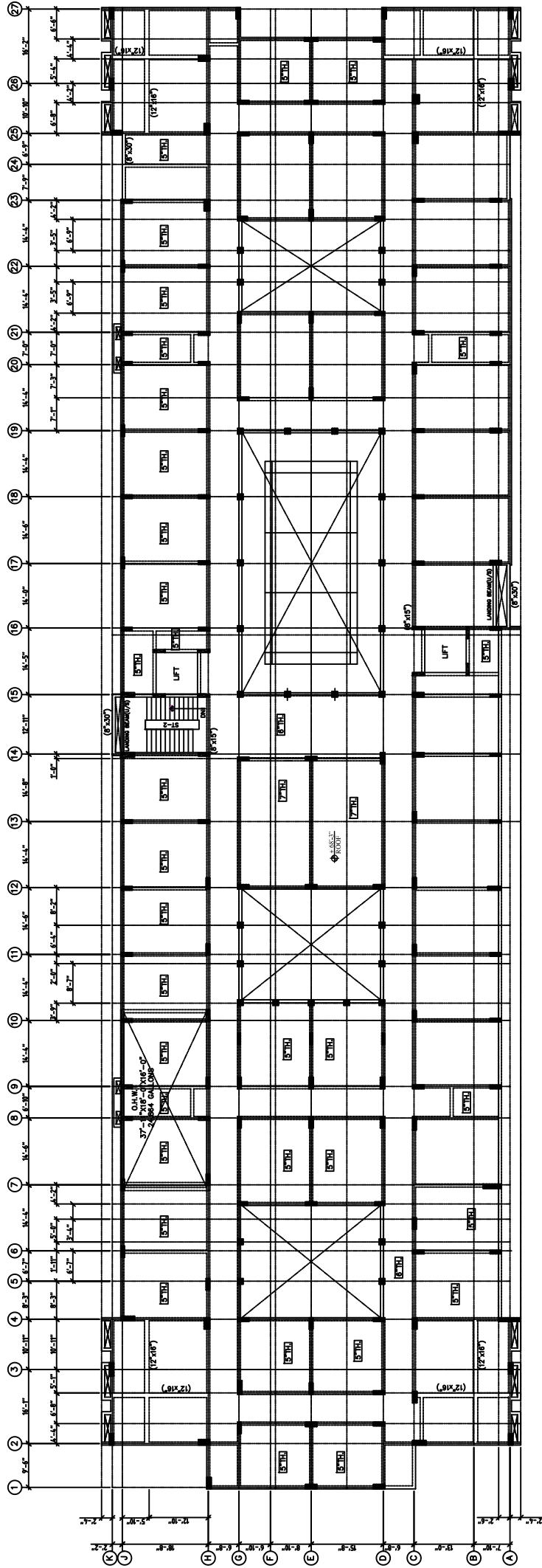
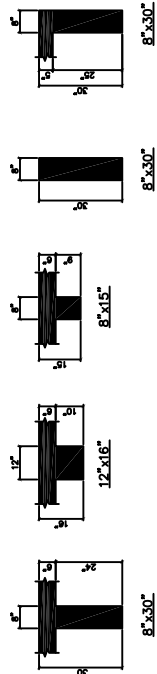
Dow University of Health Sciences, Babose-Ujda Road, Karachi Pakistan.	PROJECT:	PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.		STATUS:	TENDER DRAWING		DRAWN:	Checked: <i>Muhammad</i>	JOB NO:	MB-23-00
	MARK:	REVISION:	DATE:	SCALE:	2ND TO 4TH FLOOR FRAMING PLAN		DATE:	16-06-2023	DRG. NO.:	FR-02



NOTE:
 1- ALL SLABS ARE 6" THK EXCEPT NOTED OTHERWISE.
 2- ALL BEAMS ARE 8" x 30" EXCEPT NOTED OTHERWISE.

5TH FLOOR FRAMING PLAN
 SCALE = 3/32" = 1'-0"

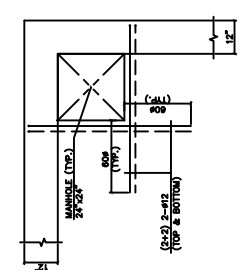
JOB NO: MB-23-00 DRG. NO: FR-03	CHECKED: <i>Manan</i> DATE: 16-06-2023	DRAWN: <i>Manan</i> SCALE: 3/32" = 1'-0"	STATUS: TENDER DRAWING	
			TITLE: 5TH FLOOR FRAMING PLAN	
PROJECT: PROPOSED GIRLS HOSTEL AT OIHA CAMPUS, DUHS KARACHI.				
MARK: REVISION		DATE		
Dow University of Health Sciences, Baboe-Uda Road, Karachi, Pakistan.				



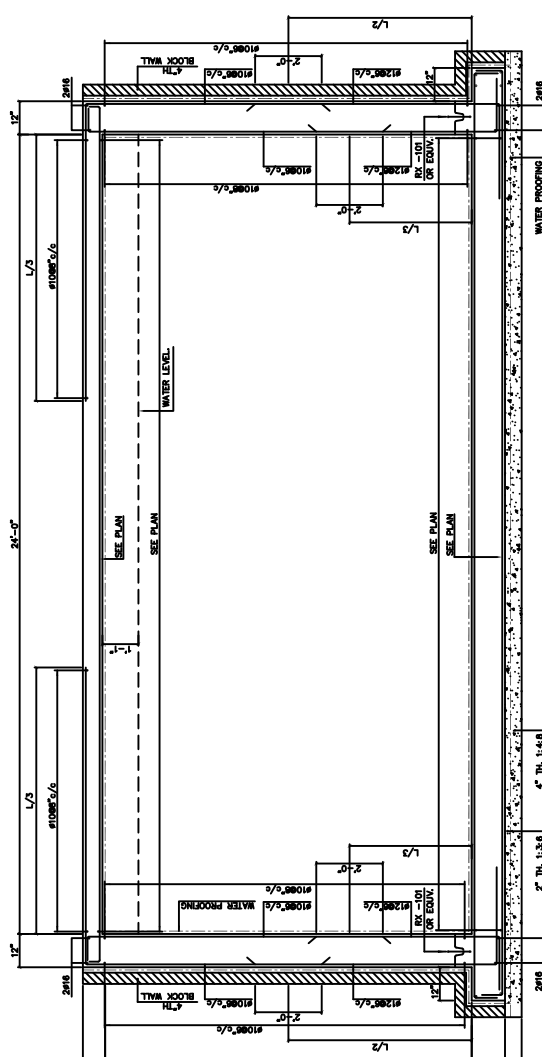
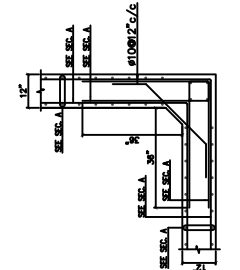
NOTE:
 1- ALL SLABS ARE 6" THK EXCEPT NOTED OTHERWISE.
 2- ALL BEAMS ARE 8" x 30" EXCEPT NOTED OTHERWISE.

ROOF SLAB FRAMING PLAN
 SCALE - 3/32" = 1'-0"

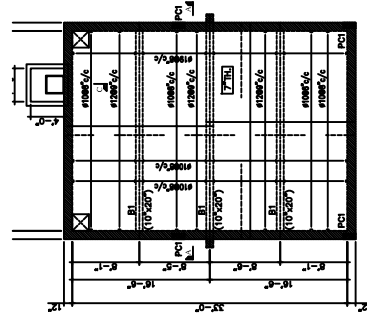
Dow University of Health Sciences, Babee-Aura Road, Karachi, Pakistan.	PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	STATUS: TENDER DRAWING TITLE: ROOF SLAB FRAMING PLAN	DRAWN: <i>Aliya Bano</i>	CHECKED: <i>Noman</i>	JOB NO: MB-23-00
			SCALE: 3/32" = 1'-0"	DATE: 16-06-2023	DRG. NO: FR-04
MARK:	REVISION:	DATE:	DATE:	DATE:	DATE:



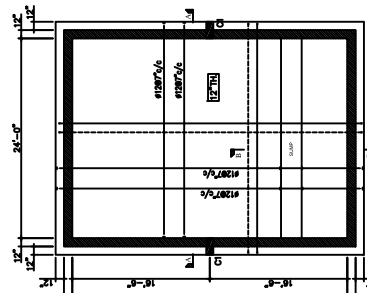
TYP. DETAIL OF CORNER
U.G.W.TANK
SCALE: 1/2"=1'-0"



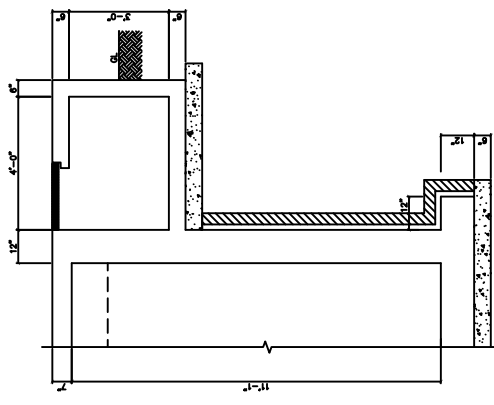
SECTION A-A
SCALE: 1/2"=1'-0"



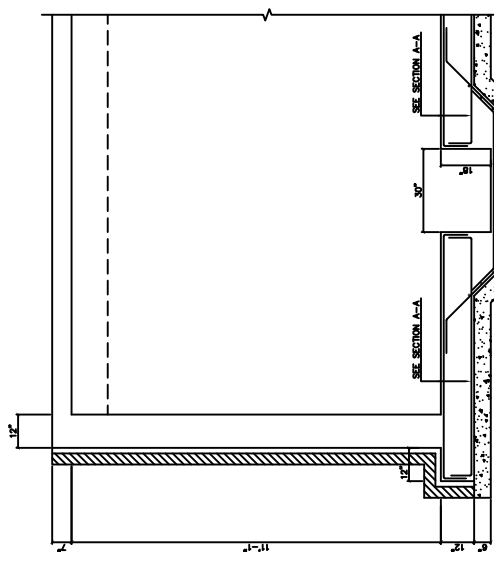
TOP SLAB OF U.G.W.TANK
SCALE: 1/8"=1'-0"



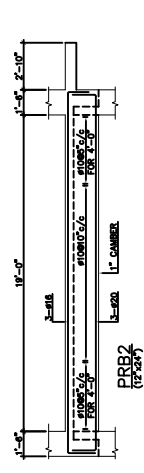
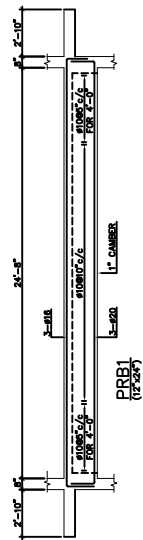
BOTTOM SLAB OF U.G.W.TANK
SCALE: 1/8"=1'-0"



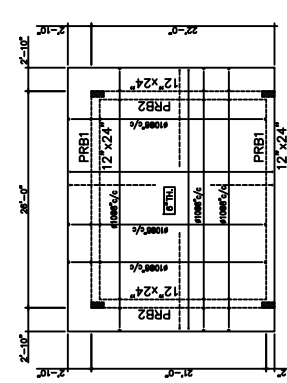
SECTION C-C
SCALE: 1/2"=1'-0"



SECTION B-B
SCALE: 1/2"=1'-0"



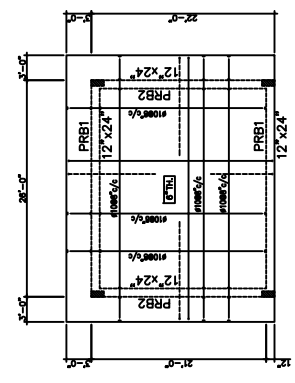
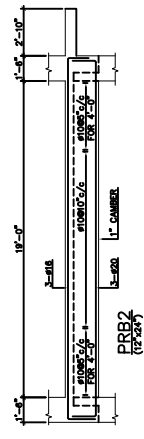
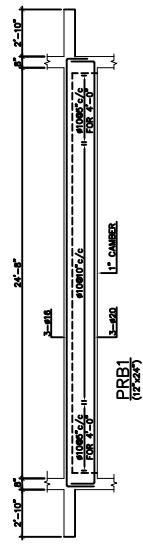
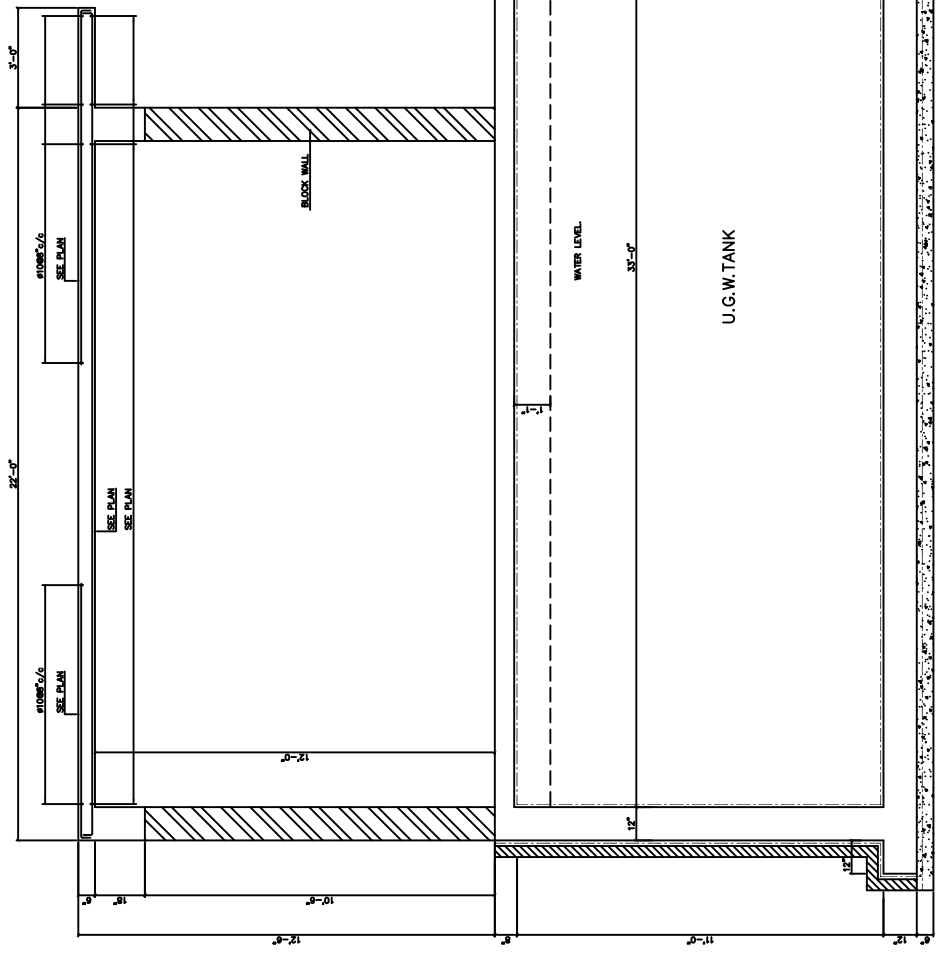
TYP. SECTION OF PCI
SCALE: 1/2"=1'-0"



PUMP ROOM FRAMING PLAN
SCALE: 1/8"=1'-0"

PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	STATUS: ISSUED FOR CONSTRUCTION	CHECKED: <i>Muhammad</i>	JOB NO: MB-23-00
	TITLE: U.G.W. TANK, PUMP ROOM FRAMING PLAN & SUMP PIT DETAIL	DRAWN: <i>Muhammad</i>	DATE: 16-06-2023
MARK: REVISION	SCALE: 1/8" & 1/2" = 1'-0"	DATE: 16-06-2023	DRG. NO: U.G.W.T.-01

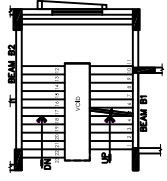
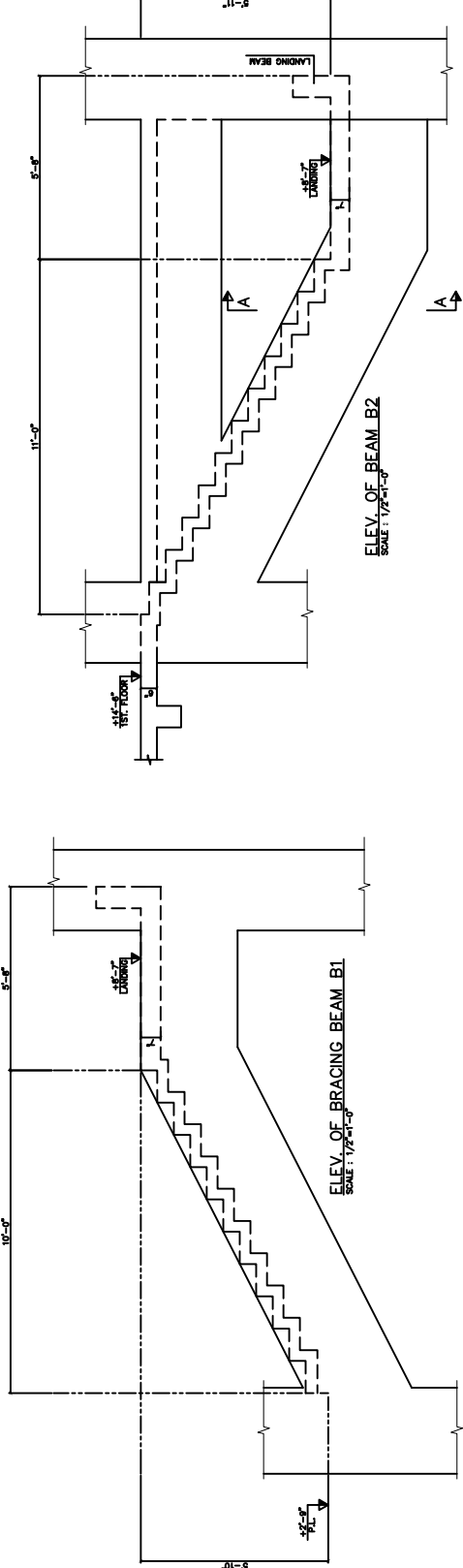
Dow University of Health Sciences,
Babae-Jui Road, Karachi, Pakistan.



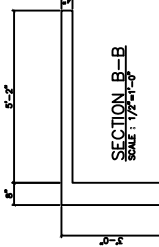
PUMP ROOM FRAMING PLAN
SCALE - 1/8" = 1'-0"

Dow University of Health Sciences, Babacour Road, Karachi, Pakistan.	PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	STATUS: ISSUED FOR CONSTRUCTION	DRAWN: <i>Aliya Bano</i>	CHECKED: <i>Manan</i>	JOB NO: MB-23-00
					DRG. NO: PUMP-01
MARK	REVISION	DATE	SCALE: 1/8" & 1/2" = 1'-0"	DATE: 18-08-2023	

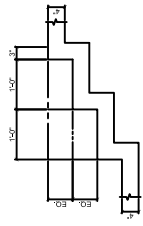
NOTE:
 1. NO DRAWING SHOULD BE USED FOR CONSTRUCTION UNLESS MARKED ISSUED FOR CONSTRUCTION AND SIGNED.
 2. ALL THE DIMENSIONS TO BE MATCH WITH THE ARCHITECTURAL DRAWINGS.



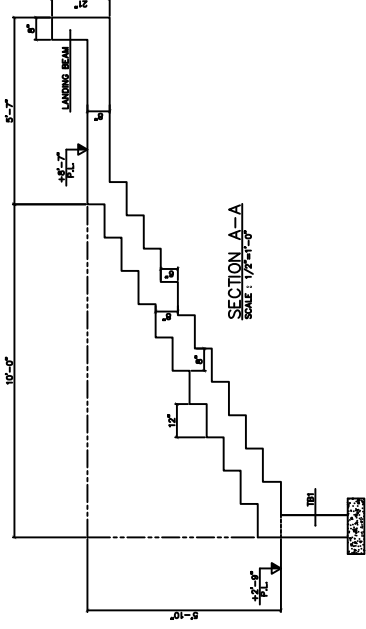
MAIN STAIRCASE GROUND TO FIRST FLOOR
 SCALE - 1/8"=1'-0"



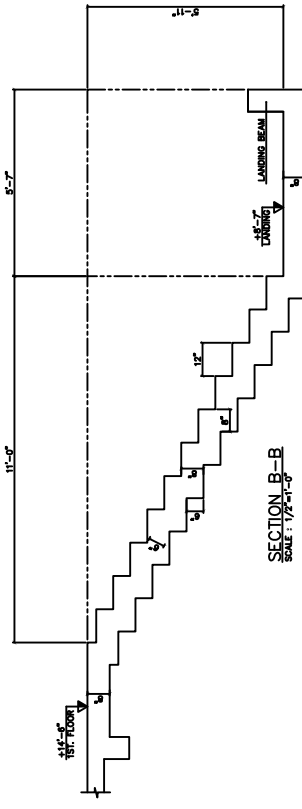
SECTION B-B
 SCALE: 1/2"=1'-0"



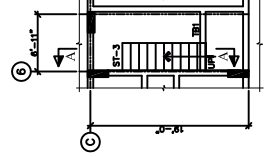
TYP. DETAIL - A
 SCALE: 3/4"=1'-0"



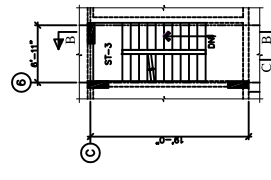
SECTION A-A
 SCALE: 1/2"=1'-0"



SECTION B-B
 SCALE: 1/2"=1'-0"



EMERGENCY STAIRCASE PLINTH LEVEL FRAMING PLAN
 SCALE - 1/8"=1'-0"



FIRST FLOOR FRAMING PLAN
 SCALE - 1/8"=1'-0"

Dow University of Health Sciences,
 Ehsanullah Road, Karachi, Pakistan.

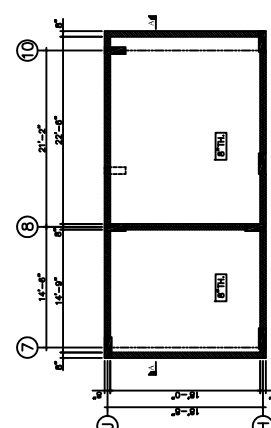
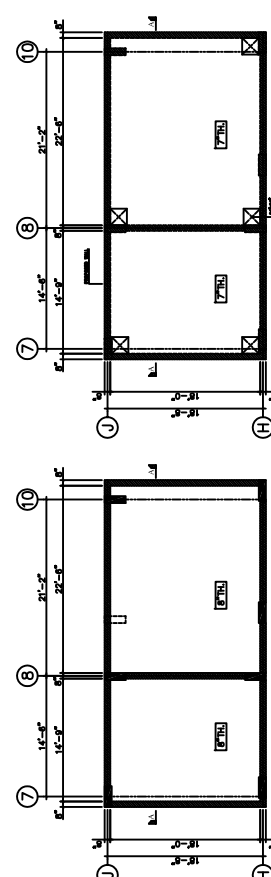
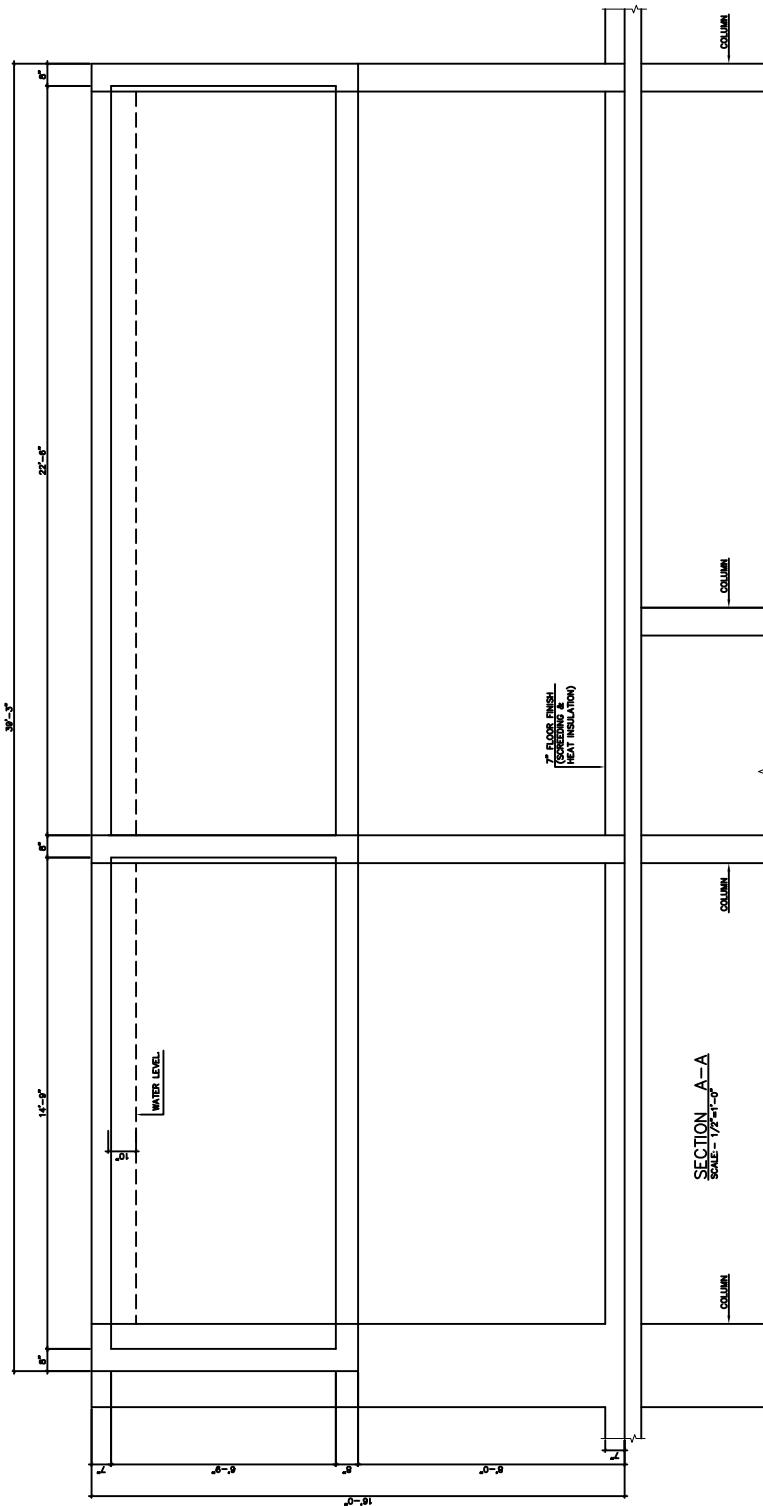
MARK	REVISION	DATE

PROJECT:
 PROPOSED GIRLS HOSTEL AT
 OJHA CAMPUS, DUHS
 KARACHI.

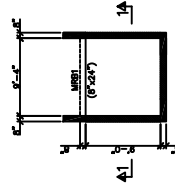
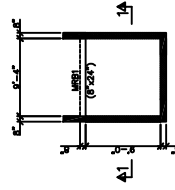
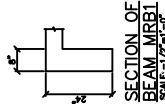
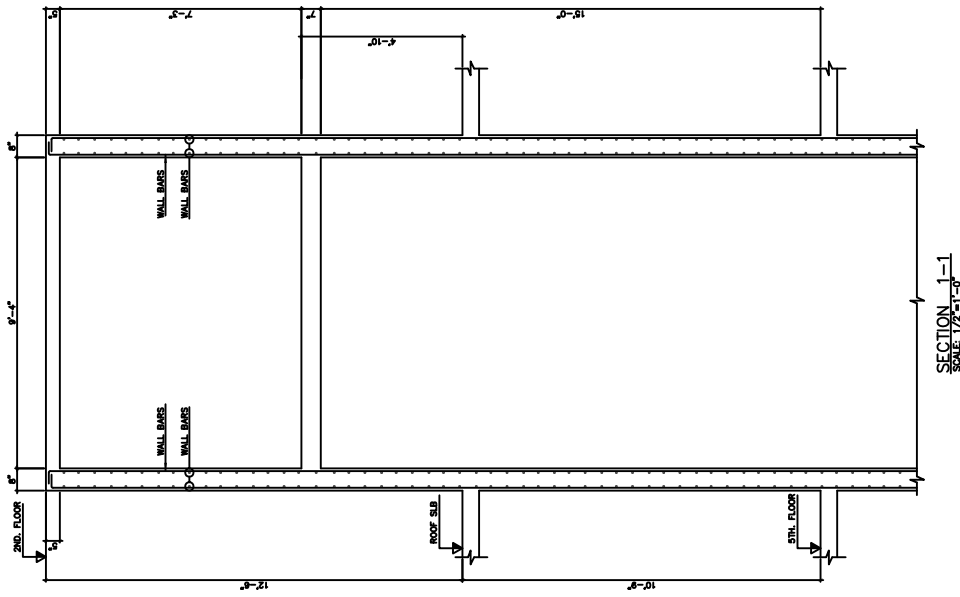
STATUS: TENDER DRAWING
 TITLE: MAIN STAIRCASE ST-1
 AND EMERGENCY STAIRCASE

DRAWN: *Shamir Bhatti*
 SCALE: 1/8" & 1/2" = 1'-0"

CHECKED: *Shamir Bhatti*
 JOB NO: MB-23-00
 DATE: 05-05-2023
 DRG. NO: ST-01



JOB NO: MB-23-00	CHECKED: <i>Manan</i>	DRAWN: <i>Manan</i>	STATUS:	PROJECT:	MARK:	REVISION:	DATE:
				PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI.	TITLE:	DATE:	DATE:
DRG. NO: O.H.W.T.-01	DATE: 14-06-2023	SCALE: 3/32" = 1'-0"	TITLE: DETAIL OF O.H.W. TANK	PROJECT:	MARK:	REVISION:	DATE:
				PROJECT:	MARK:	REVISION:	DATE:
				PROJECT:	MARK:	REVISION:	DATE:



JOB NO: MB-23-00 DRG NO: M.R.-01	CHECKED: <i>Manan</i> DATE: 04/09/2023	DRAWN: <i>Manan</i> SCALE: 1/8" & 1/2" = 1'-0"	STATUS: ISSUED FOR CONSTRUCTION TITLE: MACHINE ROOM FRAMING PLAN AND DETAILS	PROJECT: PROPOSED GIRLS HOSTEL AT OJHA CAMPUS, DUHS KARACHI	MARK	REVISION	DATE