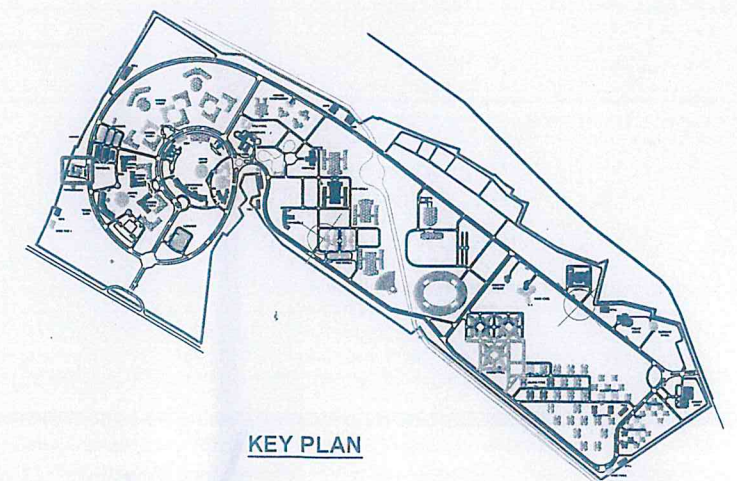


# NOTE:-

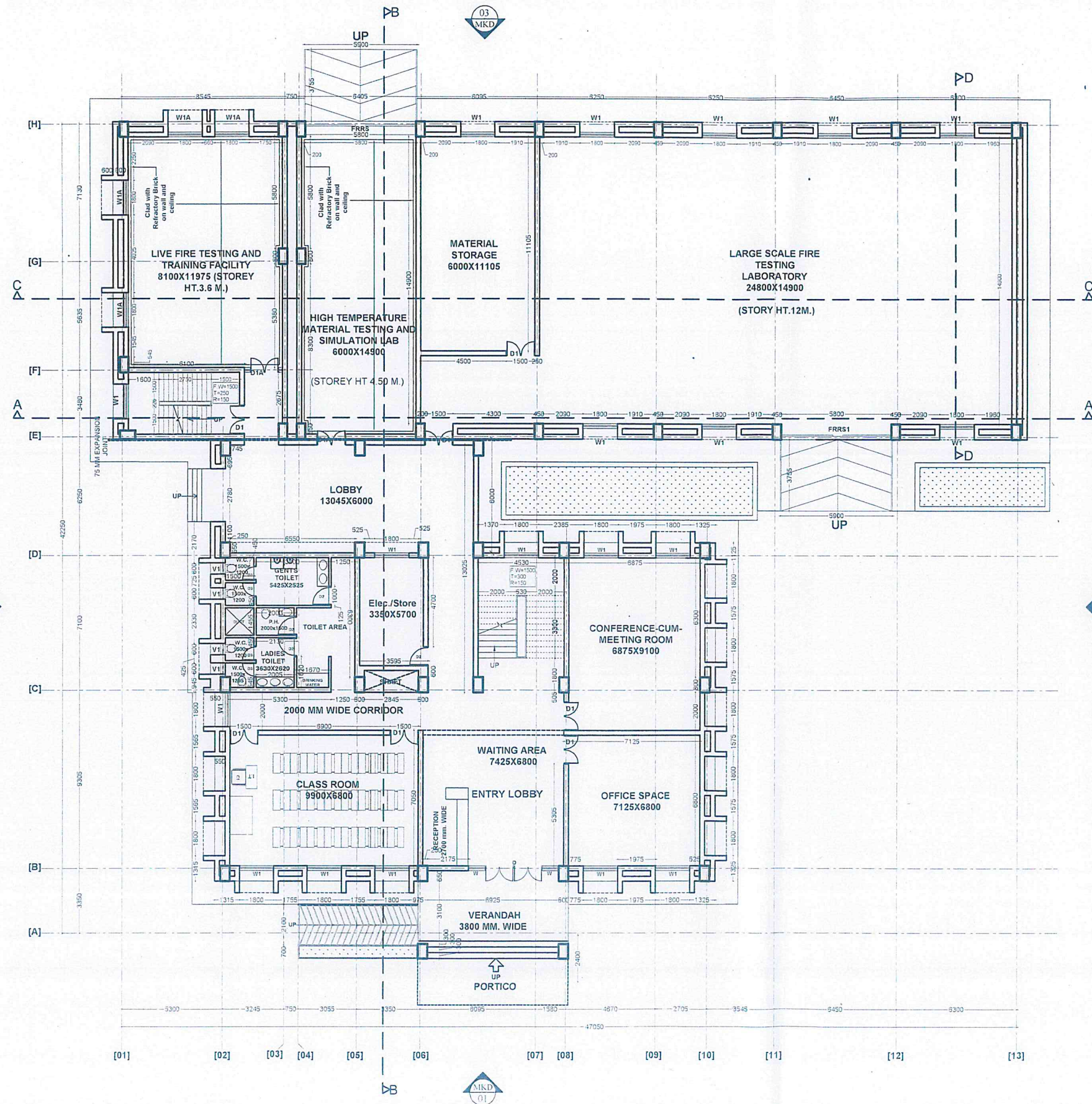
1. IN CASE OF VARIATION IN DRAWING, DBR SHALL PREVAIL.
2. LIVE FIRE TESTING AND TRAINING FACILITY TO BE DESIGNED TO WITH STAND THE FIRE LOAD OF 4hrs. AND THE NORMS TO BE FOLLOWED AS PER THE NBC CLAUSE NO. 4.1.
3. REFRACTORY BRICK IS MORTAR, CEMENT IS PROPOSED FOR LIVE FIRE TESTING AND TRAINING FACILITY AND IT SHALL BE PAINTED WITH INTUMESCENT PAINT WITH THE CAPACITY TO WITH STAND THE FIRE FOR 240min.
4. LARGE TESTING WILL BE CONSTRUCTED WITH FLY ASH BRICK BUT THE INNER WALL TO BE PAINTED WITH INTUMESCENT PAINT TO WITHSTAND THE FIRE LOAD FOR 120min.
5. HIGH TEMPERATURE MATERIAL TESTING AND SIMULATION LAB INTERNAL WALL TO BE LINED WITH REFRACTORY BRICK WITH REFRACTORY ADHESIVE AND SEALANT AND TO BE FINISHED WITH INTUMESCENT PAINT TO WITH STAND THE FIRE LOAD UPTO 120min.
6. FIRE RATED FIRE DOOR WINDOW TO BE SANDWICH IN LIVE FIRE TESTING AND TRAINING FACILITY TO WITH STAND THE LOAD OF FIRE FO 4hrs.
7. FIRE RATED DOOR WINDOW IS PREPARED IN HIGH TEMPERATURE.



KEY PLAN

JOB NO:-	Project:- <b>PROPOSED FTTRL BUILDING IN THE CAMPUS OF IIT, PATNA</b>	Sheet Title:- <b>SITE PLAN</b>	North:- →	DRAWN BY:- SUMIT KUMAR	CHECKED BY:-	ASST. ARCHITECT	ASSO. ARCHITECT	SENIOR ARCHITECT	CHIEF ARCHITECT
S/JOB NO:-									
DRG NO:-									
SRL NO:-									
				DATE -27-05-2025	<b>OFFICE OF CHIEF ARCHITECT BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR</b>				





### SCHEDULE OF DOOR & WINDOWS

SL. NO.	TYPE	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	SILL LVL	LINTEL LVL	REMARK	NO.S
1	FRRS	5800	B.B	00	B.B	FIRE RATED ROLLING SHUTTER upto 4 hrs	1
2	FRRS1	5800	B.B	00	B.B	ROLLING SHUTTER	1
3	D	3000	B.B	00	B.B	GLASS DOOR	1
4	D1	1500	B.B	00	B.B	35mm. DOUBLE LEAF FLUSH DOOR	12
5	D1A	1500	B.B	00	B.B	FIRE RATED 35mm. DOUBLE LEAF FLUSH DOOR upto 4hrs	3
6	D2	1050	B.B	00	B.B	35 mm FLUSH DOOR	4
7	D3	750	B.B	00	B.B	-DO-	4
8	W	875	B.B	00	B.B	U.P.V.C FIXED GLASS	
9	W1	1800	B.B	900	B.B	DOUBLE SHUTTER U.P.V.C WINDOW	20
10	W1A	1800	B.B	900	B.B	FIRE RATED DOUBLE SHUTTER WINDOW upto 4hrs	12
11	W2	600	B.B	6000	B.B	FIRE RATED FIXED GLASS WINDOW upto 4 hrs	9
12	V1	900	B.B	1500	B.B	TOP HUNG U.P.V.C VENTILATOR	4
13	CG	4530	B.B	00	B.B	COLLAPSIBLE GATE	1

NOTE: All finished material will be fire rated with fire tolerance up to 2hrs this specification is only for Live fire testing lab/ High temperature material testing and simulation lab/ Material storage/ Large scale fire testing laboratory

### NOTE:-

- IN CASE OF VARIATION IN DRAWING, DBR SHALL PREVAIL.
- LIVE FIRE TESTING AND TRAINING FACILITY TO BE DESIGNED TO WITHSTAND THE FIRE LOAD OF 4hrs. AND THE NORMS TO BE FOLLOWED AS PER THE NBC CLAUSE NO. 4.1.
- REFRACTORY BRICK, MORTAR, CEMENT IS PROPOSED FOR LIVE FIRE TESTING AND TRAINING FACILITY AND IT SHALL BE PAINTED WITH INTUMESCENT PAINT WITH THE CAPACITY TO WITHSTAND THE FIRE FOR 240min.
- LARGE SCALE FIRE TESTING LABORATORY WILL BE CONSTRUCTED WITH FLY ASH BRICK BUT THE INNER WALL TO BE PAINTED WITH INTUMESCENT PAINT TO WITHSTAND THE FIRE LOAD FOR 120min.
- HIGH TEMPERATURE MATERIAL TESTING AND SIMULATION LAB INTERNAL WALL TO BE LINED WITH REFRACTORY BRICK WITH REFRACTORY ADHESIVE AND SEALED AND TO BE FINISHED WITH INTUMESCENT PAINT TO WITHSTAND THE FIRE LOAD UPTO 120min.
- FIRE RATED FIRE DOOR WINDOW TO BE SANDWICH IN LIVE FIRE TESTING AND TRAINING FACILITY TO WITHSTAND THE LOAD OF FIRE FOR 4hrs.
- FIRE RATED DOOR WINDOW IS PREPARED IN HIGH TEMPERATURE.

### AREA STATEMENT

GROUND COVERAGE	- 1340 sq.m
BUILT UP AREA	- 1715 sq.m
LIVE FIRE TESTING AND TRAINING FACILITY (B1)	- 150 sq.m
MUMTY(B1)	- 25 sq.m
LARGE SCALE FIRE TESTING LABORATORY (B2)	- 635 sq.m
INSTITUTE CUM OFFICE	- 544 sq.m
MUMTY (INSTITUTE CUM OFFICE LABORATORY)	- 50 sq.m

ASST. ARCHITECT ASSO. ARCHITECT SENIOR ARCHITECT CHIEF ARCHITECT

OFFICE OF CHIEF ARCHITECT  
BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR

JOB NO:-

S/JOB NO:-

DRG NO:-

SRL NO:-

Project:-

PROPOSED FTTL BUILDING  
IN THE CAMPUS OF IIT,  
PATNA

Sheet Title:-

GROUND FLOOR PLAN

North:-

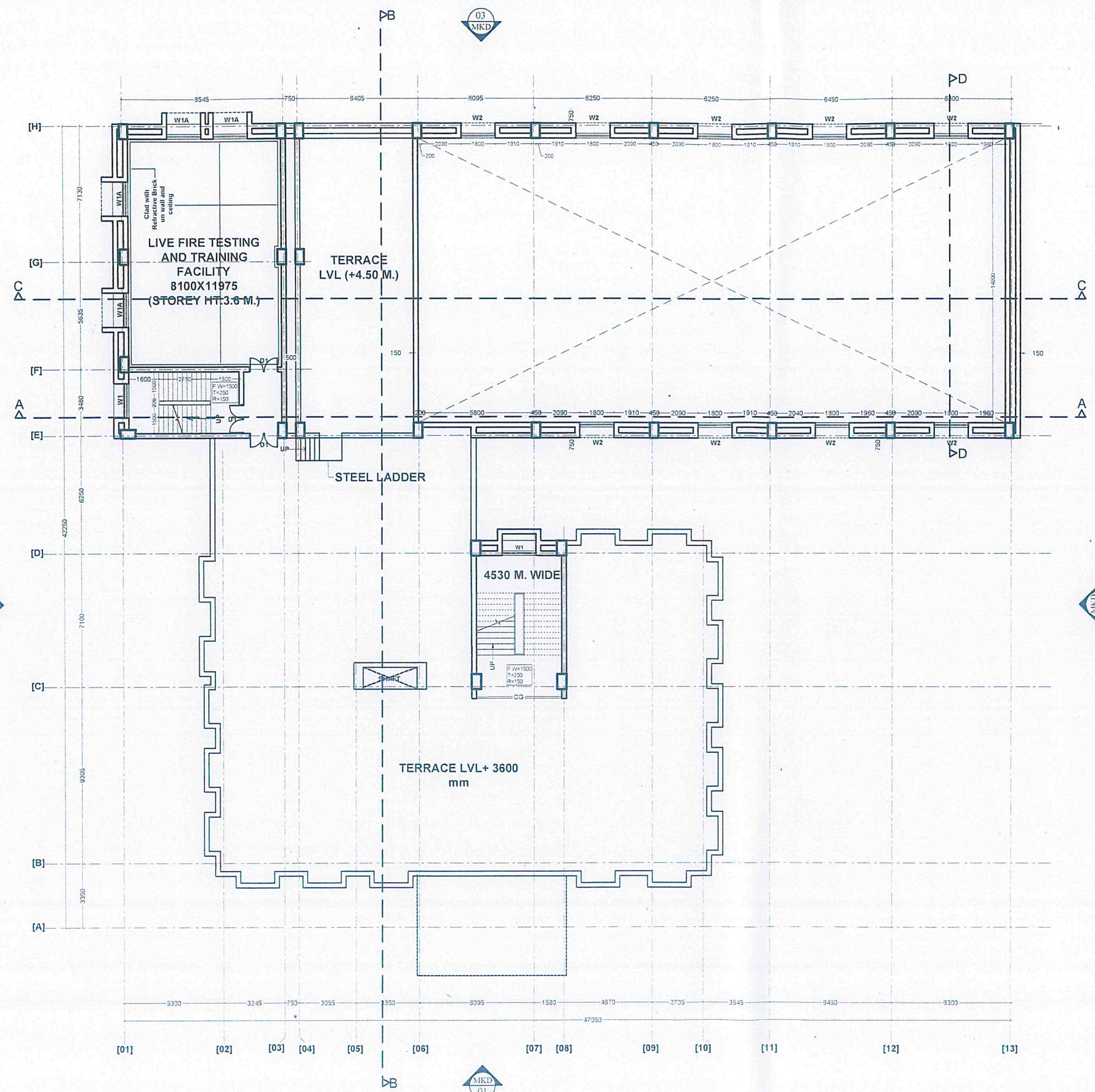
DRAWN BY:-

SUMIT KUMAR

CHECKED BY:-

DATE:-27-05-2025





#### SCHEDULE OF DOOR & WINDOWS

SL. NO.	TYPE	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	SILL LVL	INTEL LVL	REMARK	NO.S
1	FRRS1	5800	B.B	00	B.B	FIRE RATED ROLLING SHUTTER upto 4 hrs	1
2	FRRS1	5800	B.B	00	B.B	ROLLING SHUTTER	1
3	D	3000	B.B	00	B.B	GLASS DOOR	1
4	D1	1500	B.B	00	B.B	35mm. DOUBLE LEAF FLUSH DOOR	12
5	D1A	1500	B.B	00	B.B	FIRE RATED 35mm. DOUBLE LEAF FLUSH DOOR upto 4hrs	3
6	D2	1050	B.B	00	B.B	35 mm FLUSH DOOR	4
7	D3	750	B.B	00	B.B	-DO-	4
8	W	875	B.B	00	B.B	U.P.V.C FIXED GLASS	
9	W1	1800	B.B	900	B.B	DOUBLE SHUTTER U.P.V.C. WINDOW	20
10	W1A	1800	B.B	900	B.B	FIRE RATED DOUBLE SHUTTER WINDOW upto 4hrs	12
11	W2	600	B.B	6000	B.B	FIRE RATED FIXED GLASS WINDOW upto 4 hrs	9
12	V1	900	B.B	1500	B.B	TOP HUNG U.P.V.C. VENTILATOR	4
13	CG	4530	B.B	00	B.B	COLLAPSIBLE GATE	1

NOTE: All finished material will be fire rated with fire tolerance up to 2hrs this specification is only for Live fire testing lab/ High temperature material testing and simulation lab/ Material storage/ Large scale fire testing laboratory

#### NOTE:-

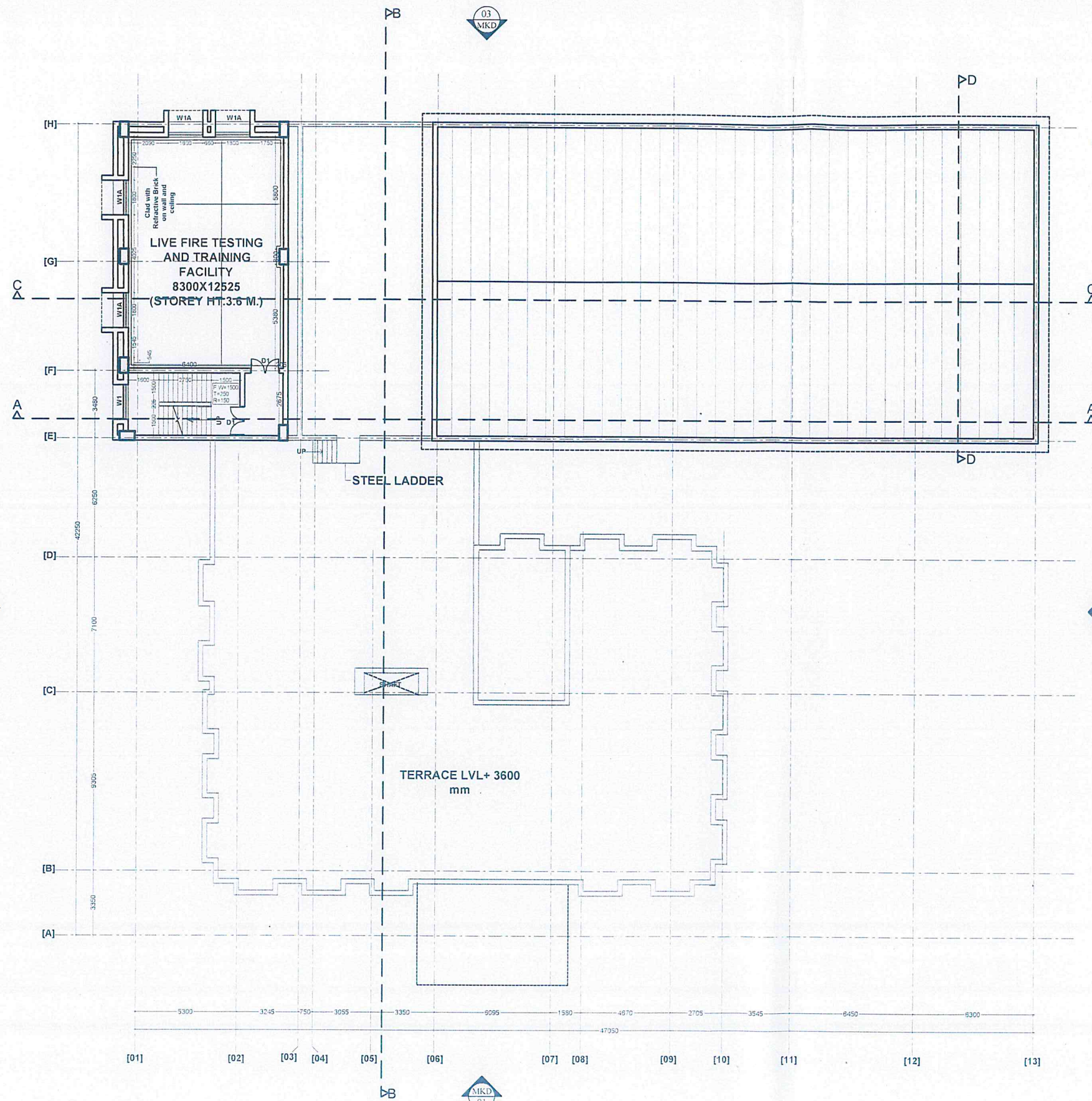
1. IN CASE OF VARIATION IN DRAWING, DBR SHALL PREVAIL.
2. LIVE FIRE TESTING AND TRAINING FACILITY TO BE DESIGNED TO WITHSTAND THE FIRE LOAD OF 4hrs. AND THE NORMS TO BE FOLLOWED AS PER THE NBC CLAUSE NO. 4.1.
3. REFRACTORY BRICK, MORTAR, CEMENT IS PROPOSED FOR LIVE FIRE TESTING AND TRAINING FACILITY AND IT SHALL BE PAINTED WITH INTUMESCENT PAINT WITH THE CAPACITY TO WITHSTAND THE FIRE FOR 240min.
4. LARGE SCALE FIRE TESTING LABORATORY WILL BE CONSTRUCTED WITH FLY ASH BRICK BUT THE INNER WALL TO BE PAINTED WITH INTUMESCENT PAINT TO WITHSTAND THE FIRE LOAD FOR 120min.
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#### AREA STATEMENT

GROUND COVERAGE	- 1340 sq.m
BUILT UP AREA	- 1715 sq.m
LIVE FIRE TESTING AND TRAINING FACILITY (B1)	- 150 sq.m
MUMTY(B1)	- 25 sq.m
LARGE SCALE FIRE TESTING LABORATORY (B2)	- 635 sq.m
INSTITUTE CUM OFFICE	- 544 sq.m
MUMTY (INSTITUTE CUM OFFICE LABORATORY)	- 50 sq.m

JOB NO:-	Project:- <b>PROPOSED FTTL BUILDING IN THE CAMPUS OF IIT, PATNA</b>	Sheet Title:- <b>FIRST FLOOR PLAN</b>	North:- 	DRAWN BY:- SUMIT KUMAR	CHECKED BY:-			
S/JOB NO:-				ASST. ARCHITECT	ASSO. ARCHITECT		SENIOR ARCHITECT	CHIEF ARCHITECT
DRG NO:-				OFFICE OF CHIEF ARCHITECT				
SRL NO:-				BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR				
				DATE -27-05-2025				





#### SCHEDULE OF DOOR & WINDOWS

SL. NO.	TYPE	CLEAR OPENING WIDTH	HEIGHT	SILL LVL	INTEL LVL	REMARK	NO.S
1	FRRS	5800	B.B	00	B.B	FIRE RATED ROLLING SHUTTER upto 4 hrs	1
2	FRRS1	5800	B.B	00	B.B	ROLLING SHUTTER	1
3	D	3000	B.B	00	B.B	GLASS DOOR	1
4	D1	1500	B.B	00	B.B	35mm. DOUBLE LEAF FLUSH DOOR	12
5	D1A	1500	B.B	00	B.B	FIRE RATED 35mm. DOUBLE LEAF FLUSH DOOR upto 4hrs	3
6	D2	1050	B.B	00	B.B	35 mm FLUSH DOOR	4
7	D3	750	B.B	00	B.B	-DO-	4
8	W	875	B.B	00	B.B	U.P.V.C FIXED GLASS	
9	W1	1800	B.B	900	B.B	DOUBLE SHUTTER U.P.V.C. WINDOW	20
10	W1A	1800	B.B	900	B.B	FIRE RATED DOUBLE SHUTTER WINDOW upto 4hrs	12
11	W2	600	B.B	6000	B.B	FIRE RATED FIXED GLASS WINDOW upto 4 hrs	9
12	V1	900	B.B	1500	B.B	TOP HUNG U.P.V.C. VENTILATOR	4
13	CG	4530	B.B	00	B.B	COLLAPSIBLE GATE	1

NOTE: All finished material will be fire rated with fire tolerance up to 2hrs this specification is only for Live fire testing lab/ High temperature material testing and simulation lab/ Material storage/ Large scale fire testing laboratory

#### NOTE:-

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GROUND COVERAGE	- 1340 sq.m
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ASST. ARCHITECT	ASSO. ARCHITECT	SENIOR ARCHITECT	CHIEF ARCHITECT
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OFFICE OF CHIEF ARCHITECT  
BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR

JOB NO:-

S/JOB NO:-

DRG NO:-

SRL NO:-

Project:-

PROPOSED FTTL BUILDING  
IN THE CAMPUS OF IIT,  
PATNA

Sheet Title:-

SECOND FLOOR PLAN

North:-

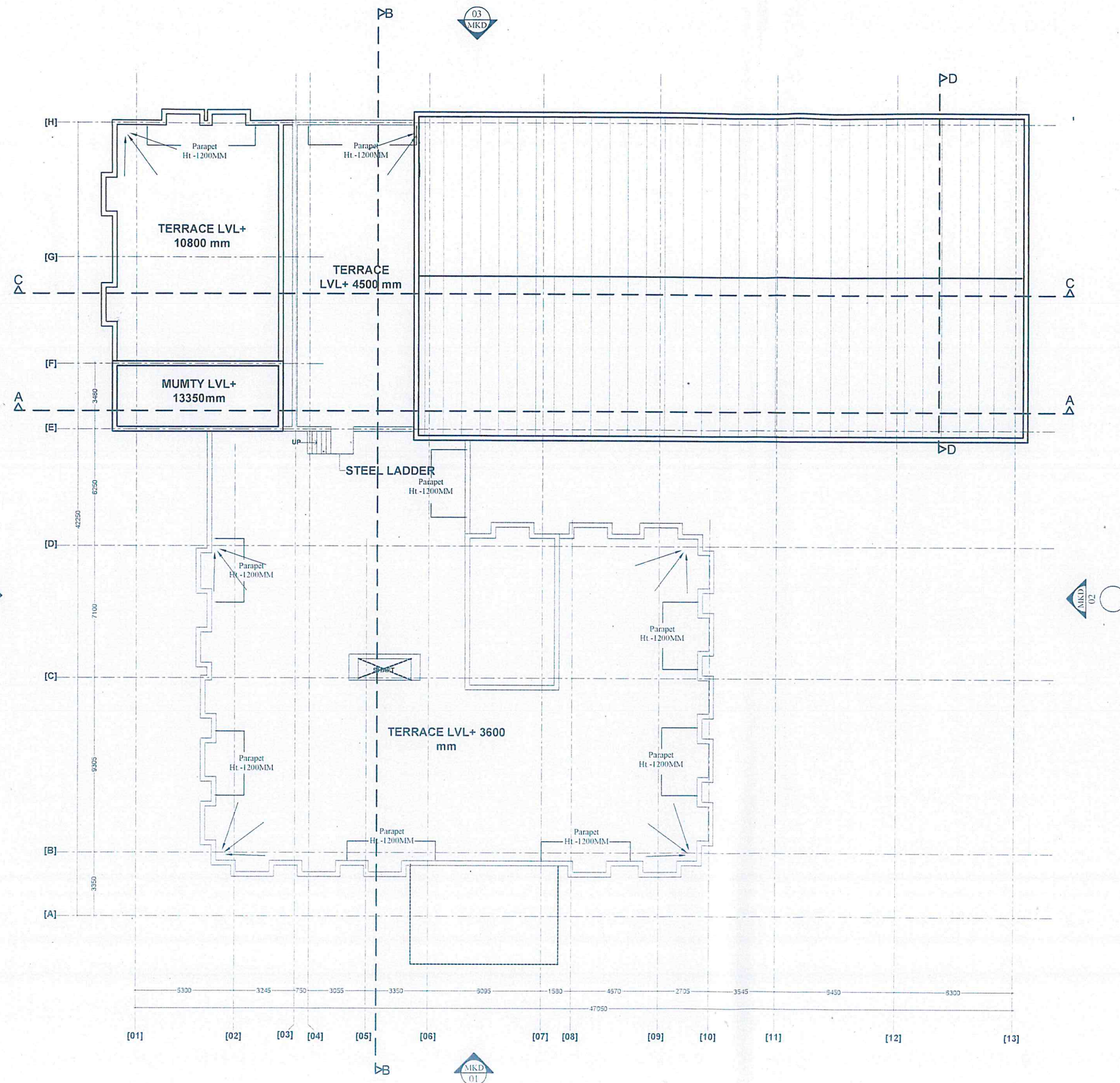
DRAWN BY:-

SUMIT KUMAR

CHECKED BY:-

DATE:-27-05-2025





#### SCHEDULE OF DOOR & WINDOWS

SL. NO.	TYPE	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	SILL LVL	LINTEL LVL	REMARK	NO.S
1	FRRS	5800	B.B	00	B.B	FIRE RATED ROLLING SHUTTER upto 4 hrs	1
2	FRRS1	5800	B.B	00	B.B	ROLLING SHUTTER	1
3	D	3000	B.B	00	B.B	GLASS DOOR	1
4	D1	1500	B.B	00	B.B	35mm. DOUBLE LEAF FLUSH DOOR	12
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7	D3	750	B.B	00	B.B	-DO-	4
8	W	875	B.B	00	B.B	U.P.V.C FIXED GLASS	
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13	CG	4530	B.B	00	B.B	COLLAPSIBLE GATE	1

NOTE: All finished material will be fire rated with fire tolerance up to 2hrs this specification is only for Live fire testing lab/ High temperature material testing and simulation lab/ Material storage/ Large scale fire testing laboratory

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#### AREA STATEMENT

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INSTITUTE CUM OFFICE	- 544 sq.m
MUMTY (INSTITUTE CUM OFFICE LABORATORY)	- 50 sq.m

JOB NO:-

S/JOB NO:-

DRG NO:-

SRL NO:-

Project:-

PROPOSED FTTRL BUILDING  
IN THE CAMPUS OF IIT,  
PATNA

Sheet Title:-

TERRACE FLOOR PLAN

North:-

DRAWN BY:-

SUMIT KUMAR

CHECKED BY:-

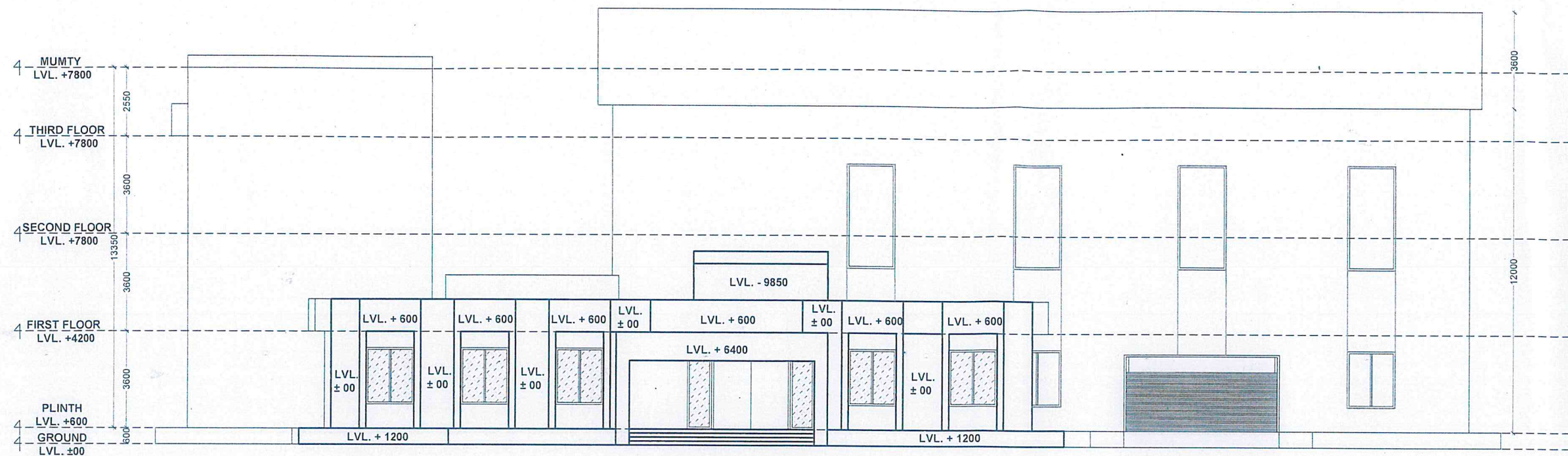
DATE -27-05-2025

ASST. ARCHITECT ASSO. ARCHITECT SENIOR ARCHITECT CHIEF ARCHITECT

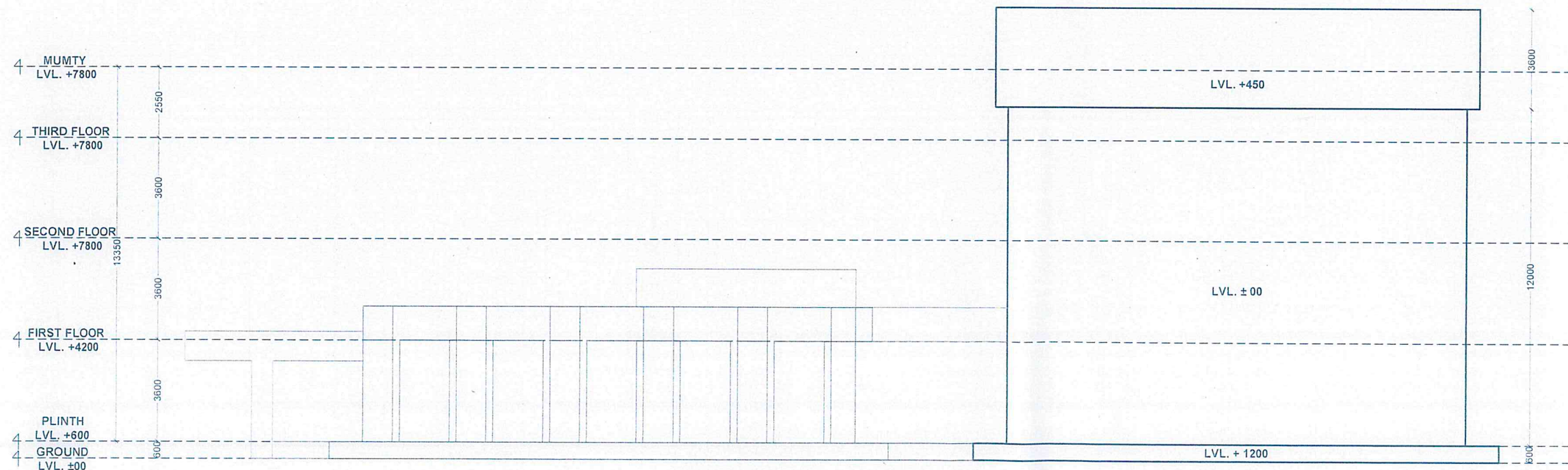


OFFICE OF CHIEF ARCHITECT  
BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR





**ELEVATION MRK-1**



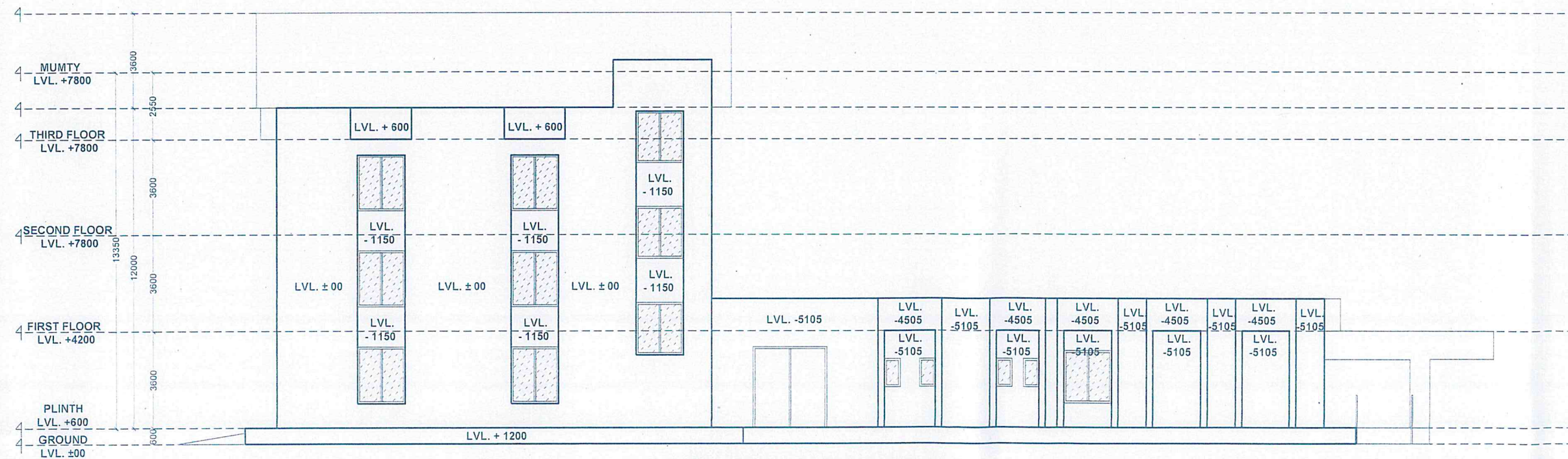
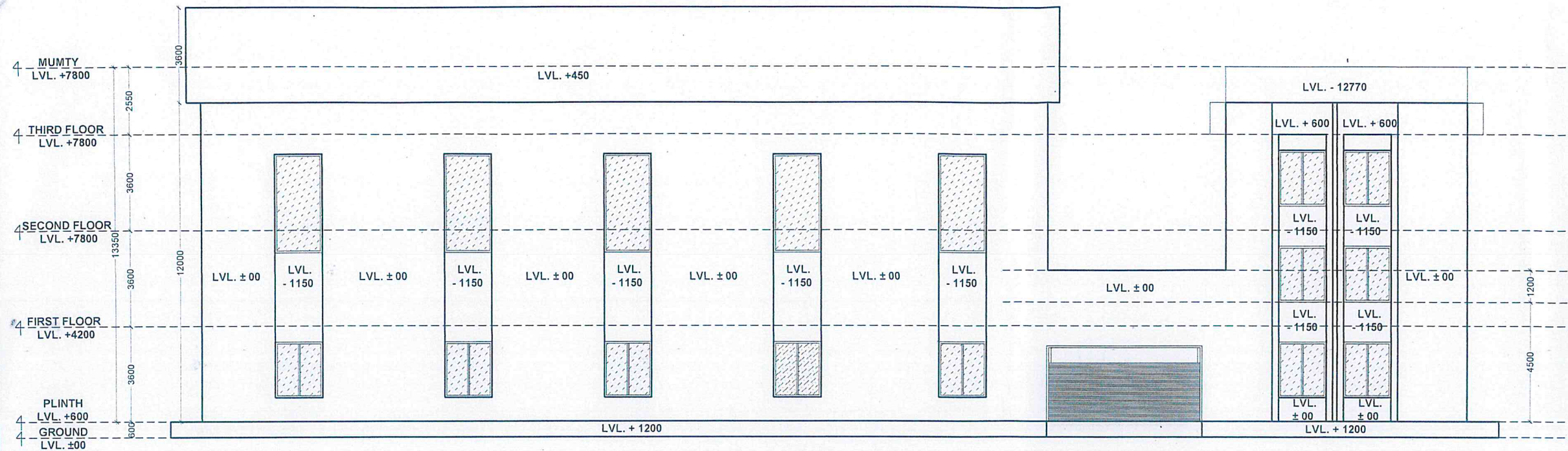
**ELEVATION MRK-2**

**NOTE:-**

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2. LIVE FIRE TESTING AND TRAINING FACILITY TO BE DESIGNED TO WITHSTAND THE FIRE LOAD OF 4hrs. AND THE NORMS TO BE FOLLOWED AS PER THE NBC CLAUSE NO. 4.1.
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6. FIRE RATED FIRE DOOR WINDOW TO BE SANDWICH IN LIVE FIRE TESTING AND TRAINING FACILITY TO WITHSTAND THE LOAD OF FIRE FOR 4hrs.
7. FIRE RATED DOOR WINDOW IS PREPARED IN HIGH TEMPERATURE.




JOB NO:-	Project:- <b>PROPOSED FTTRL BUILDING IN THE CAMPUS OF IIT, PATNA</b>	Sheet Title:- <b>ELEVATION</b>	North:- →	DRAWN BY:-	CHECKED BY:-	ASST. ARCHITECT	ASSO. ARCHITECT	SENIOR ARCHITECT	CHIEF ARCHITECT	
S/JOB NO:-				SUMIT KUMAR						
DRG NO:-										
SRL NO:-										
				DATE -27-05-2025	<b>OFFICE OF CHIEF ARCHITECT BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR</b>					





**NOTE:-**

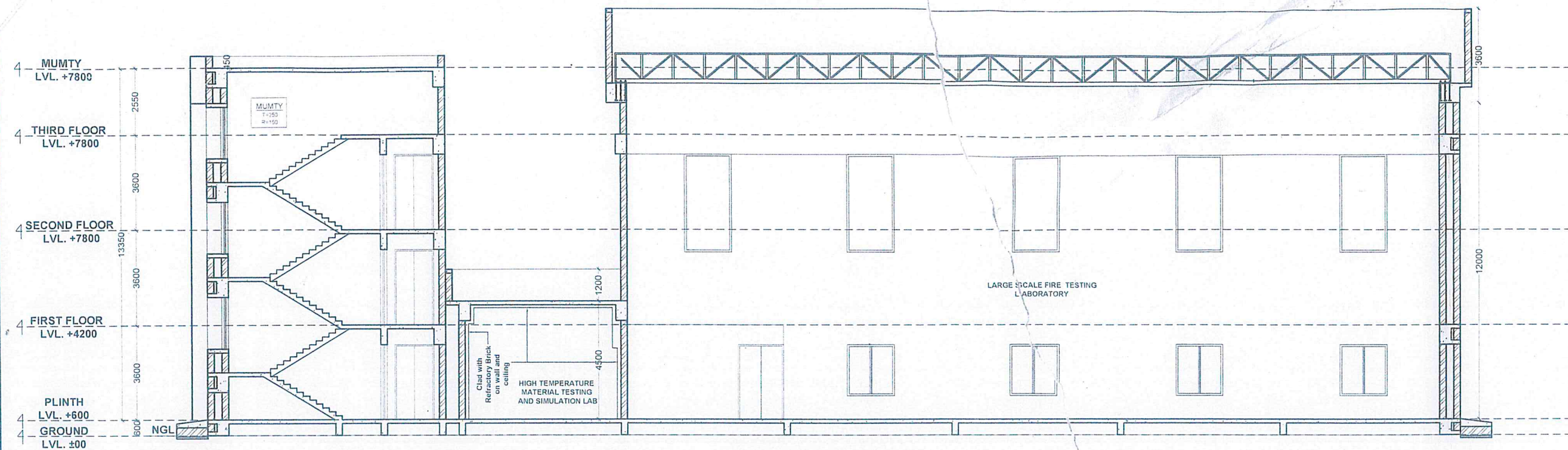
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JOB NO:-	Project:-  <b>PROPOSED FTTRL BUILDING IN THE CAMPUS OF IIT, PATNA</b>	Sheet Title:-  <b><u>ELEVATION</u></b>	North:-  	DRAWN BY:-  SUMIT KUMAR	CHECKED BY:-				
S/JOB NO:-					ASST. ARCHITECT	ASSO. ARCHITECT	SENIOR ARCHITECT	CHIEF ARCHITECT	
DRG NO:-					 <b>OFFICE OF CHIEF ARCHITECT BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR</b>				
SRL NO:-									DATE -27-05-2025

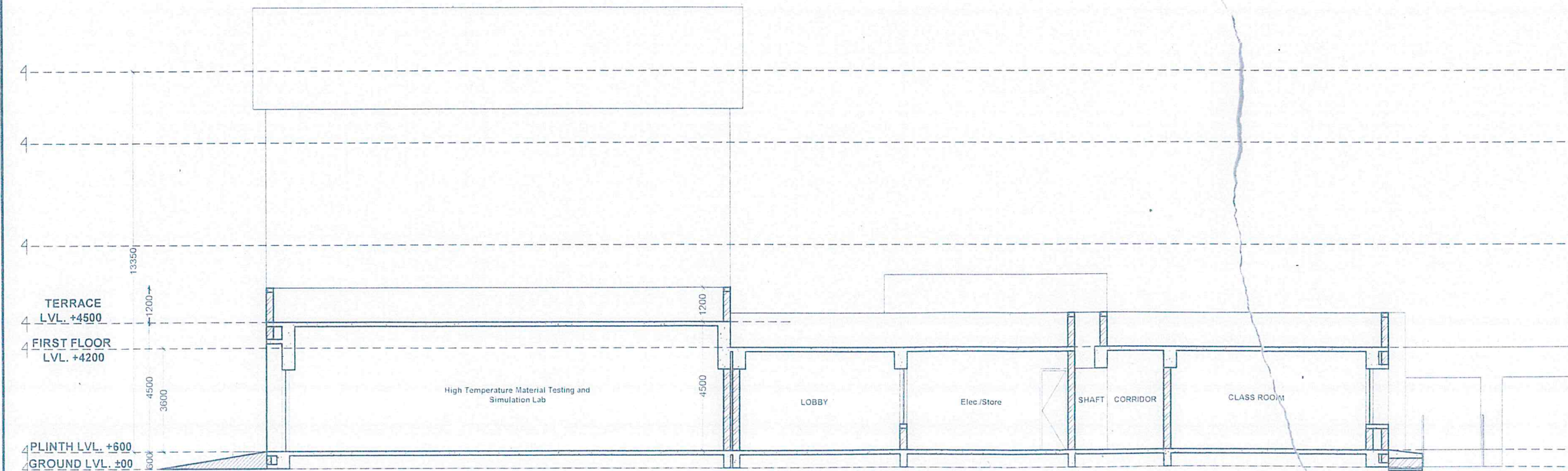








SECTION A-A



SECTION B-B

NOTE:-

1. IN CASE OF VARIATION IN DRAWING, DBR SHALL PREVAIL.
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7. FIRE RATED DOOR WINDOW IS PREPARED IN HIGH TEMPERATURE.

JOB NO:-	Project:-	Sheet Title :-	North:-	DRAWN BY:-	CHECKED BY:-	ASST. ARCHITECT	ASSO. ARCHITECT	SENIOR ARCHITECT	CHIEF ARCHITECT
S/JOB NO:-	PROPOSED FTTRL BUILDING IN THE CAMPUS OF IIT, PATNA	SECTIONS		SUMIT KUMAR					
DRG NO:-									
SRL NO:-									
				DATE - 27-05-2025					



OFFICE OF CHIEF ARCHITECT  
BUILDING CONSTRUCTION DEPTT. GOVT. OF BIHAR