

NOTE:-

AIR TERMINATION :

- 1) Level IV Protection based on the risk assessment.
- 2) Vertical Air Terminal is considered at the top of the building based on Rolling sphere method covering all corners and edges.
- 3) Fixing support for the conductor considered at every 1 mtr.
- 4) 8mm dia round Solid Aluminium alloy considered as conductor.
- 5) Expansion joints as well as accessories such as cross connectors, straight connectors included conforming IS/IEC 62305.

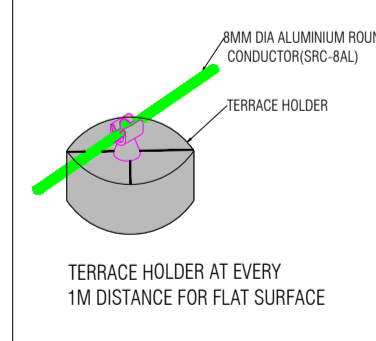
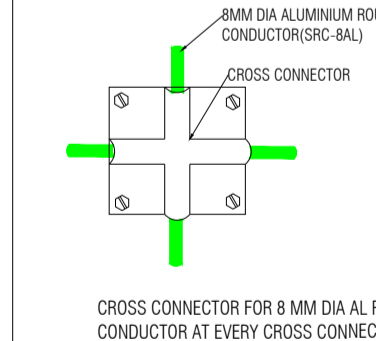
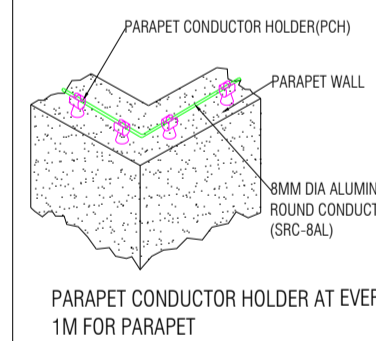
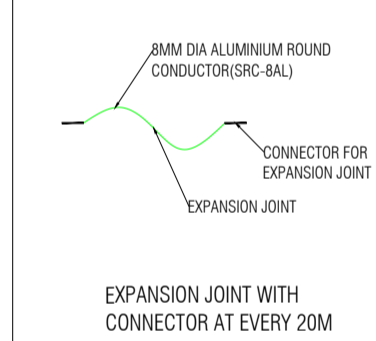
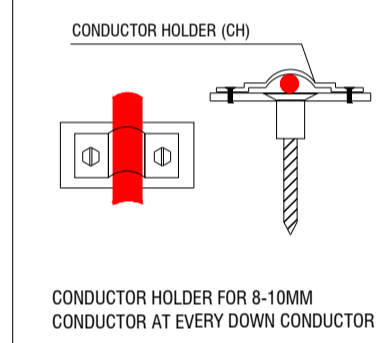
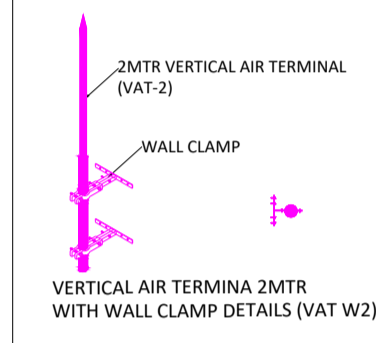
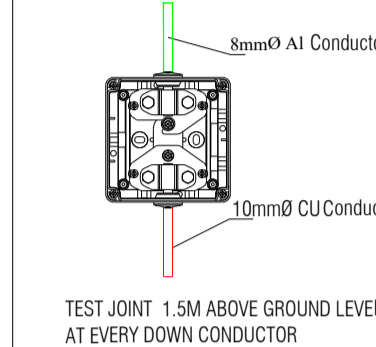
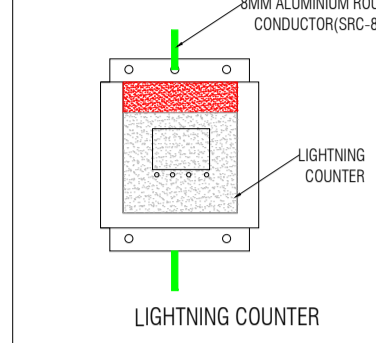
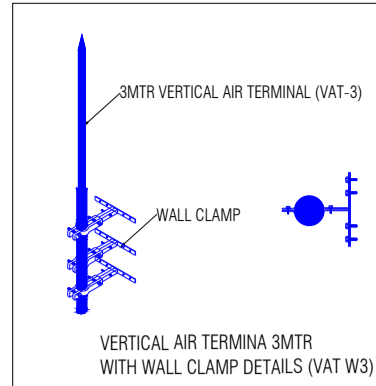
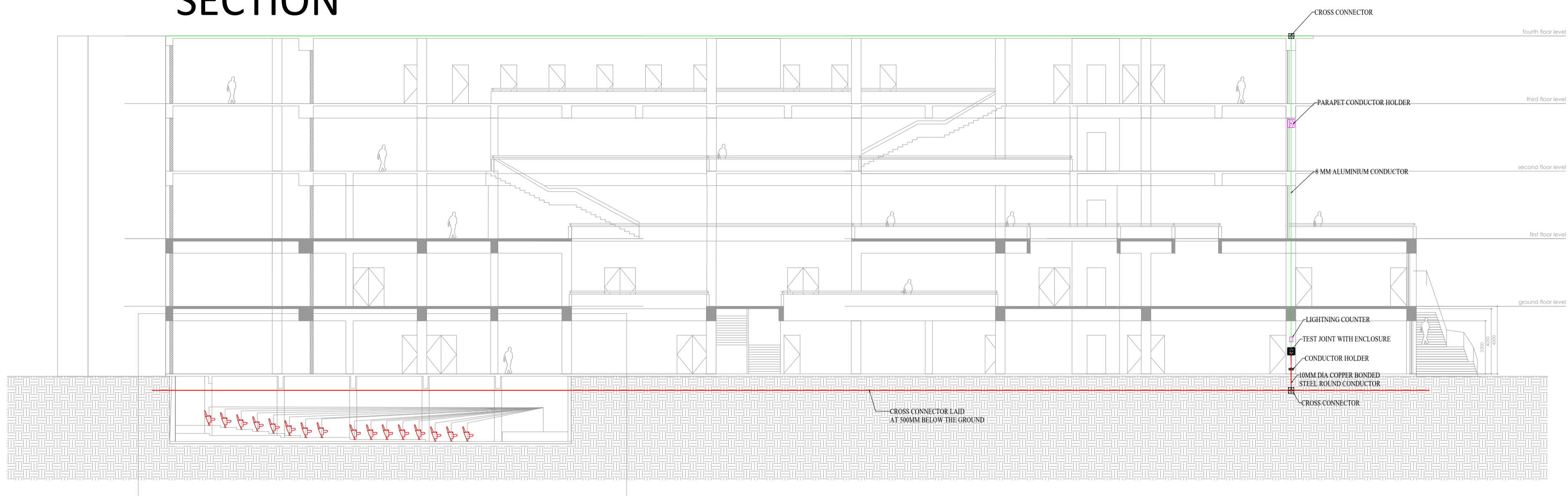
DOWN CONDUCTOR:

- 6) Down conductors considered on peripheral of building.
- 7) Conductor holder for fixing Aluminium conductor vertically at every 1 mtr.
- 8) Test joint with Polycarbonate Enclosure required for every down conductor.
- 9) Lightning counter is used in each building.

EARTHING:

- 10) 10mm dia copper bonded steel round conductor is used.
- 11) Ring Earthing is Considered.

## SECTION



### GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWINGS.
2. ANY DISCREPANCY NOTICED SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS AND RESOLVED PRIOR TO PROCUREMENT / EXECUTION OF WORKS.
3. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS UNLESS OTHERWISE INDICATED.
4. FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT SCALE THE DRAWING.

### LEGEND

8 MM DIA ALUMINIUM ROUND CONDUCTOR	
10 MM DIA COPPER BONDED STEEL ROUND CONDUCTOR	
CROSS CONNECTOR (CCSS 8-10 MM)	
EXPANSION JOINT WITH CONNECTOR	
PARAPET CONDUCTOR HOLDER	
2 MTR VAT WITH WALL CLAMP	
CONDUCTOR HOLDER	
TERRACE CONDUCTOR HOLDER	
DOWN CONDUCTOR	
LIGHTNING COUNTER	
TEST JOINT WITH ENCLOSURE	
3 MTR VAT WITH WALL CLAMP	

REV. NO.	REVISION DESCRIPTION	DATE
R0	ISSUED FOR TENDER	11.02.2025
R1	AS PER REVISED ARCHITECT	06.03.2025
R2		
R3		
R4		
R5		
R6		

### PROJECT

JSW ACADEMIC BLOCK - NLSIU  
NEW ACADEMIC BLOCK Gnana Bharathi  
Main Rd, Teachers Colony, Naagarabhaavi,  
Bengaluru, Karnataka 560072

### CLIENT

NATIONAL LAW SCHOOL OF  
INDIA UNIVERSITY  
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### ARCHITECT

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### MEPF AND IBMS CONSULTANTS

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### DRAWING TITLE

#### LIGHTNING PROTECTION LAYOUT

DRAWN BY	HMD	DRAWING NUMBER	LCES-NLS-E-006	SCALE	1:150
CHECKED	SSK	REV	R-1	SHEET SIZE	A1
APPROVED	PD	DATE	06.03.2025		

### DRAWING ISSUED FOR

TENDER

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