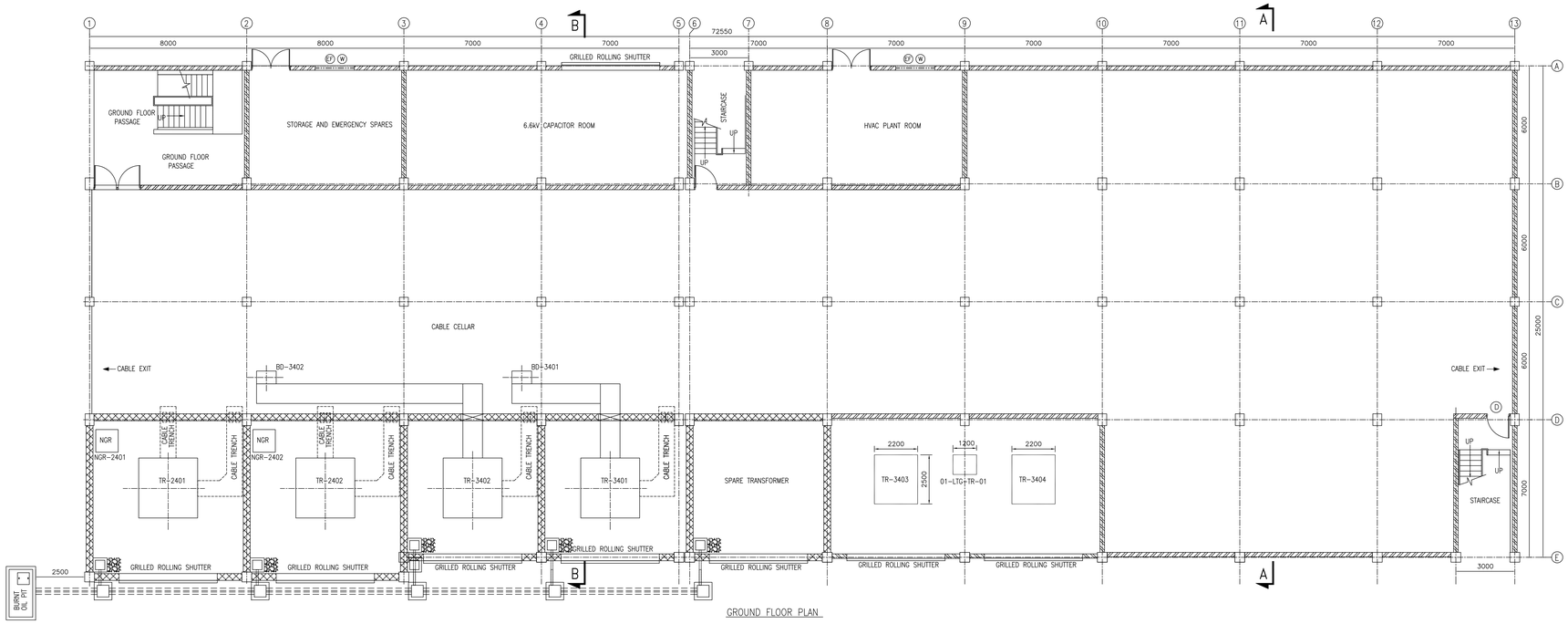
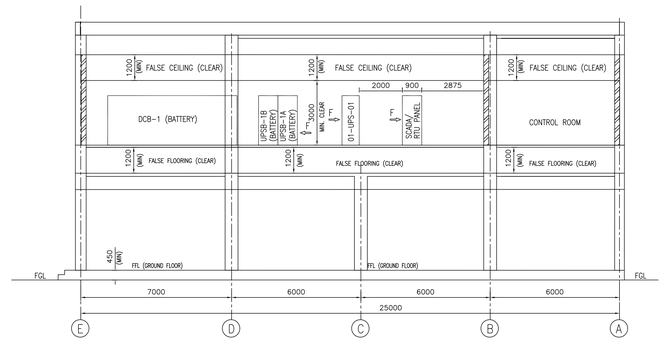
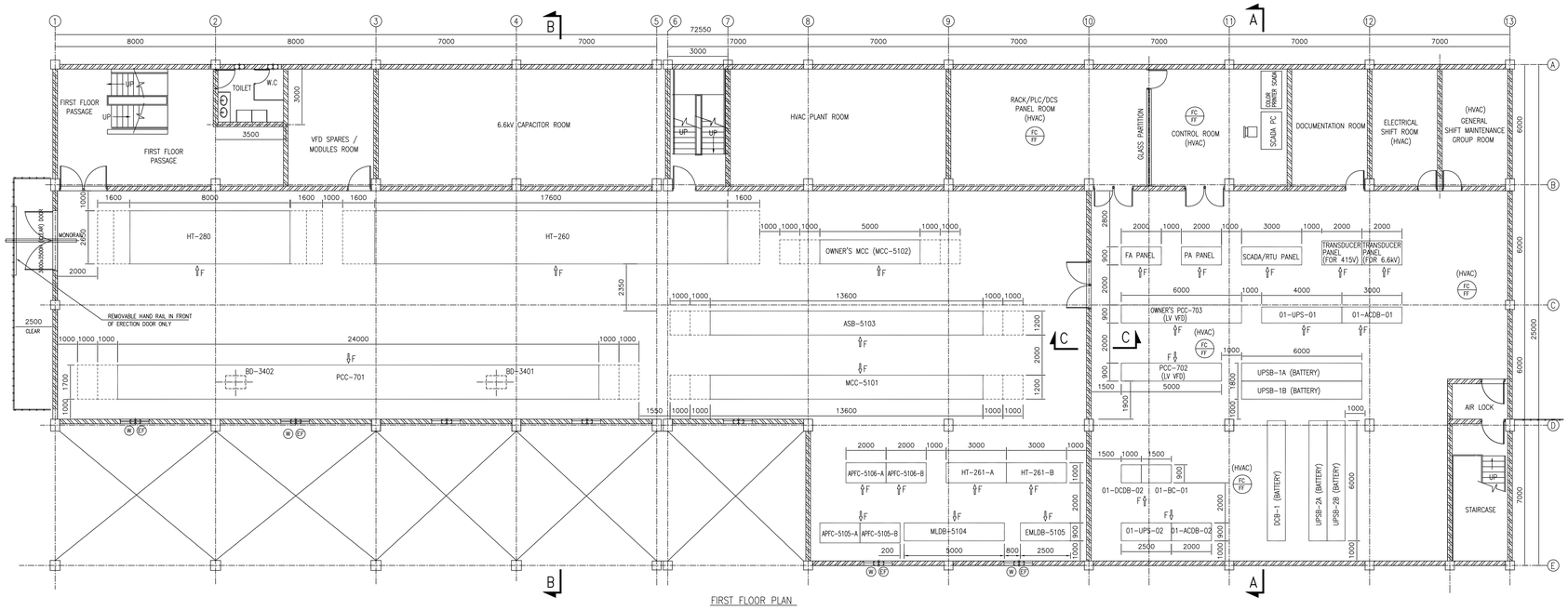


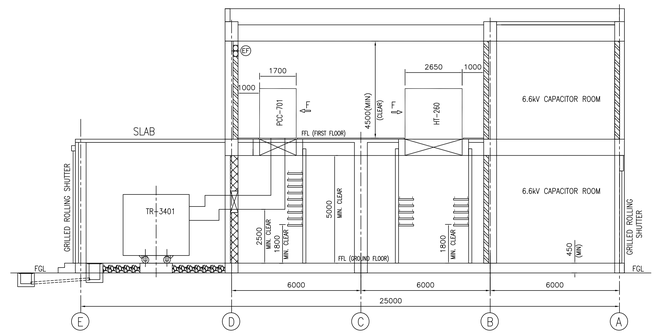
GROUND FLOOR PLAN



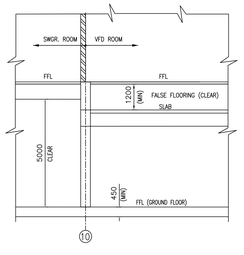
SECTION A–A



FIRST FLOOR PLAN



SECTION B–B



SECTION C–C

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHER WISE SPECIFIED.
2. THIS DRAWING SHALL BE REFERRED ONLY FOR ELECTRICAL INFORMATION.
3. ALL ELECTRICAL INSTALLATION WORK SHALL BE CARRIED OUT AS PER CEA CODES OF PRACTICE AND OTHER APPLICABLE RULES AND REGULATIONS.
4. GAP/OPENINGS LEFT AFTER ERECTION OF PANELS SHALL BE CLOSED.
5. SUBSTATION BUILDING SHALL BE WITHOUT ANY COLUMN IN SWITCHGEAR TO ENSURE OPTIMUM UTILIZATION.
6. LAYOUT SHOWN IS INDICATIVE ONLY. LSTK CONTRACTOR TO DESIGN DETAILED LAYOUT ACCORDINGLY.
7. LOADING PLATFORMS FOR PANELS SHALL BE PROVIDED WITH REMOVABLE TYPE HANDRAILS.
8. CABLE TRENCH WITH REMOVABLE COVER SHALL BE PROVIDED IN THE CABLE CELLAR FOR ROUTING OF CABLES FROM HV SWITCHGEAR TO TRANSFORMER.
9. THE SPACE FOR FALSE CEILING SHALL BE DECIDED CONSIDERING THE DIMENSIONS OF AIR CONDITIONING DUCT, LIGHTING FIXTURE ETC.
10. INDICATED OVERALL DIMENSIONS OF THE SUBSTATION AND LAYOUT AS INDICATED IS MINIMUM REQUIRED. LSTK CONTRACTOR TO DEVELOP THE SUBSTATION LAYOUT AND INCREASE THE DIMENSIONS IF REQUIRED DURING DETAIL ENGINEERING.
11. IN CASE OF ADDITIONAL FLOOR (SECOND FLOOR) REQUIREMENT DURING DETAIL ENGINEERING, LSTK CONTRACTOR SHALL SUITABLY CONSIDER LIFT AS PER GES.

LEGEND

- BRICK WALL
- 355 THK. BRICK WALL OR 230 THK. RCC WALL (4 HOUR FIRE RATING)
- FIXED WINDOW WITH TRANSPARENT PANE
- EXHAUST FAN
- PANEL OPERATING FRONT
- FC – FALSE CEILING; FF – FALSE FLOORING

REFERENCE DRAWINGS

6695-ELT-G00-EC-0002	GENERAL ENGINEERING SPECIFICATION – ELECTRICAL
6695-ELT-G00-EC-0003	GUIDELINES FOR ELECTRICAL EQUIPMENT NUMBERING SYSTEM

tkIS India / Owner/Client — Category Codes (Submission purpose)
- 1 For Approval
- 2 For Review / Comments
- 3 For Information
- 4 For Engineering
- 5 For Enquiry
- 6 For Order Placement
- 7 Final & Approved
- 8 Released for Construction

tkIS India / Owner/Client — Acceptance Codes (Approval Code)
- 1 Approved
- 2 Approved for Manufacturing/ Fabrication With Comments as Marked
- 3 Not Approved/Resubmit
- 4 Retained for Information/Records
- 5 Reviewed
- 6 Reviewed as Noted/Resubmit

Date : __/__/____ Name :

Contract No.	Document ID	Port	Rev.
66-6695	6695-ELT-526-LH-7001		01

Store Location: Server/Share: 66-6695-Ada\Acad
Store Location: Folder: \Last\Drg\Electrical\Substation_Layout
Store Name: 6695-ELT-526-LH-7001_R1
BAR-Code

Pro. Unit	Con. Unit	TON	Group	Order No.	Type of Document	Sheet
					LH	1 / 1

Rev.	Date	Drawn	Prepared	Checked	Approved	Description
01	19.01.18	RDK	BTK	MSD	MSD	FINALIZED AFTER NALCO'S REVIEW & ISSUED FOR TENDER
00	09.10.17	RDK	BTK	MSD	RPM/SJP	FOR APPROVAL

INS Co-Checked | Acc. Code

नालको NALCO
नेशनल एल्युमिनियम कम्पनी लिमिटेड
National Aluminium Company Ltd.
1.0 MTPA ALUMINA REFINERY STREAM-5
DAMANJODI, ODISHA

thyssenkrupp

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	Date	Name
Drawn	09.10.17	RDK
Prepared	09.10.17	BTK
Checked	09.10.17	MSD
Approved	09.10.17	RPM/SJP

Description: SUB STATION ARRANGEMENT LAYOUT
SUB STATION FOR BAUXITE STORAGE, HANDLING, CRUSHER US-501 (LSTK)

Scale: 1 : 100 | Cat. Code: 3 | Acc. Code | Status

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