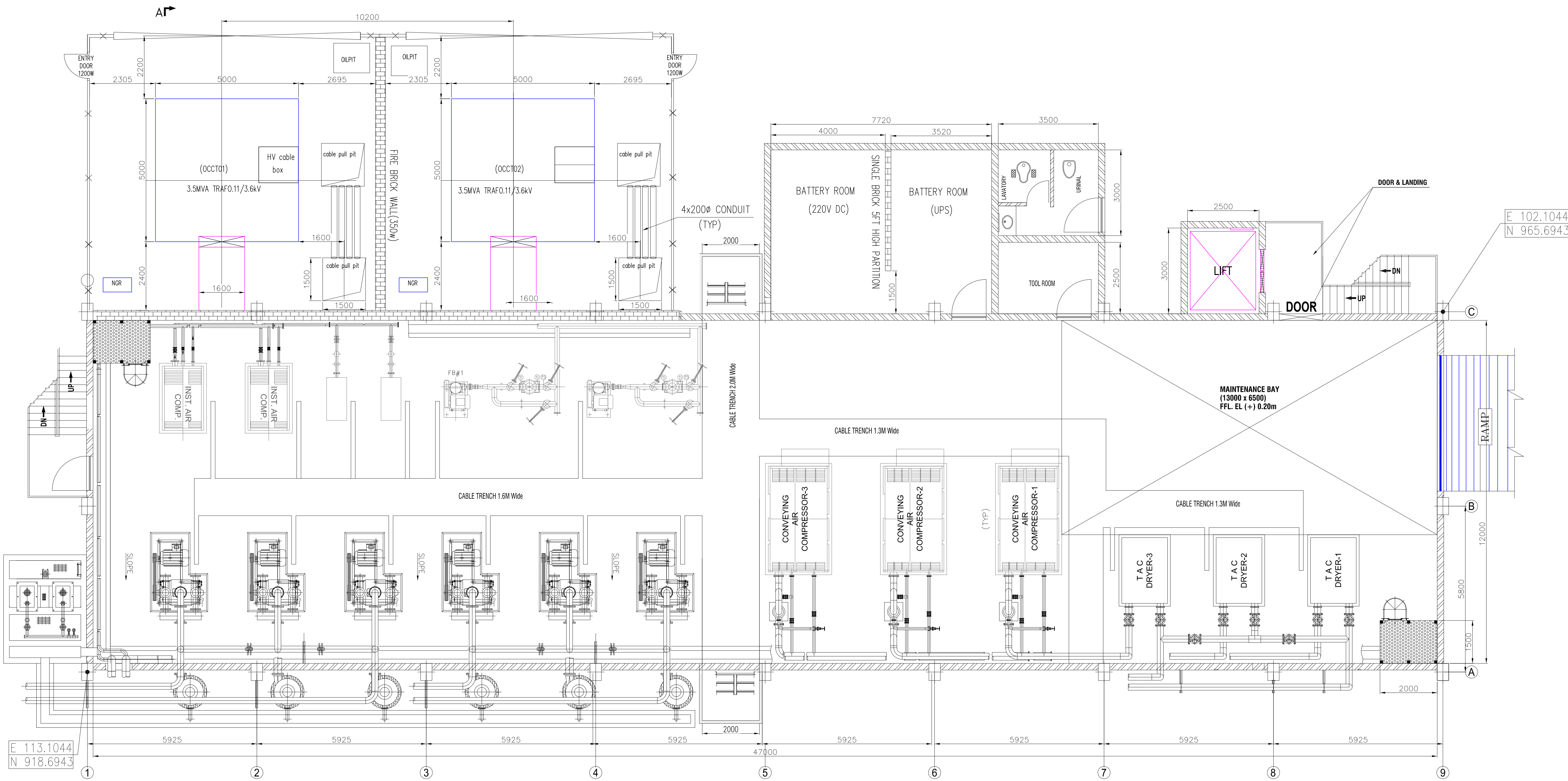
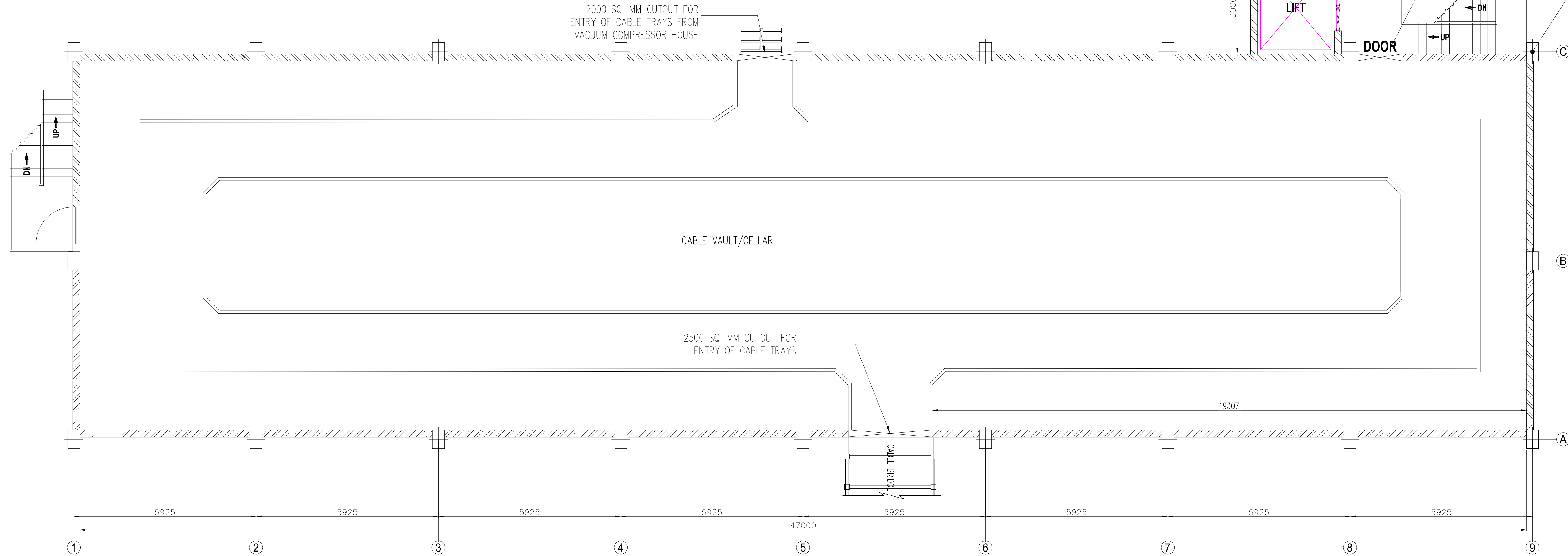


IS-1-EE-690-318-E001

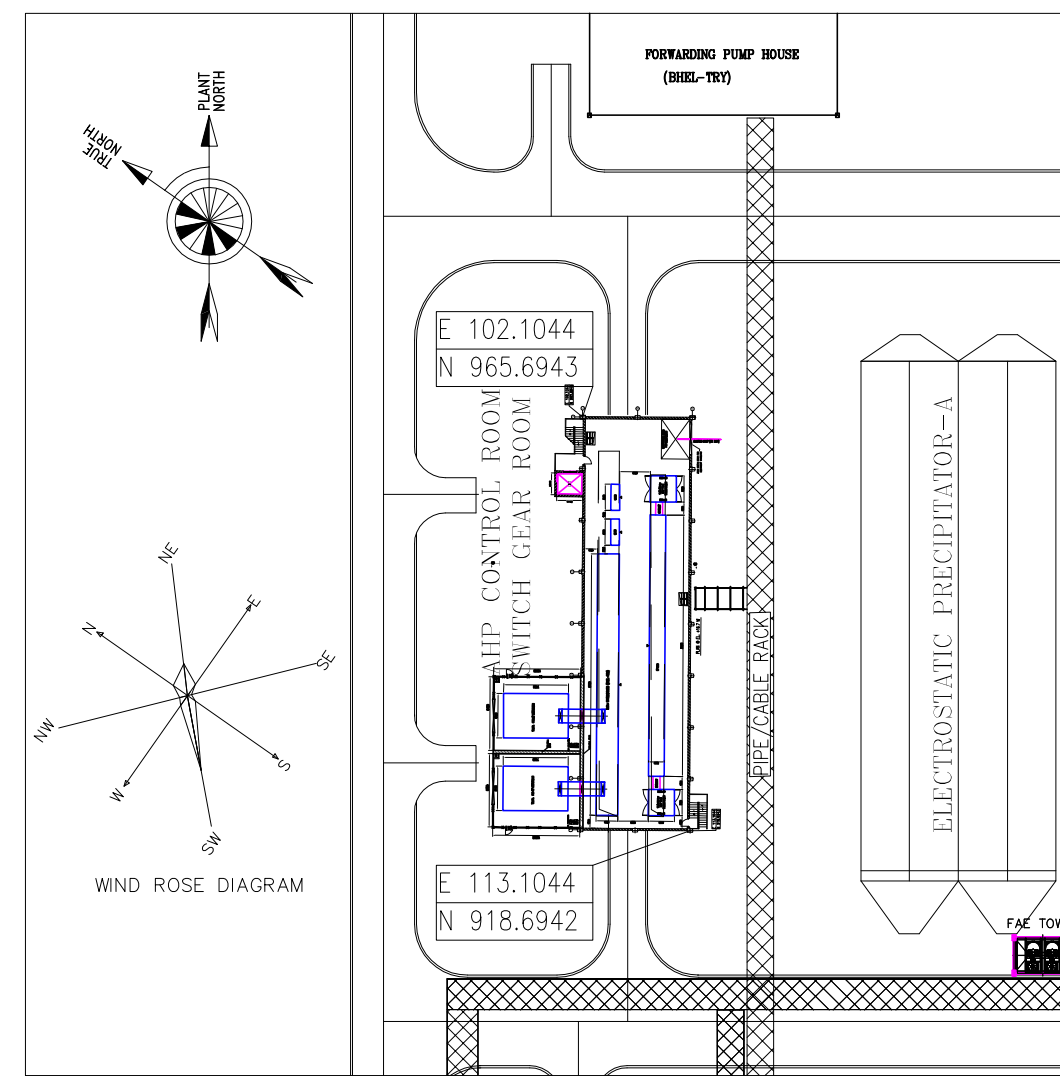
DO NOT SCALE. IF IN DOUBT, ASK.



FLOOR PLAN AT EL (+)0.2M



FLOOR PLAN AT CABLE CELLAR-1



E 102.1044  
N 965.6943

E 102.1044  
N 965.6943

|                                                                                |  |
|--------------------------------------------------------------------------------|--|
| CUSTOMER : TELANGANA STATE POWERGENERATION CORPORATION LTD. CHP                |  |
| TELANGANA STATE, INDIA                                                         |  |
| 1x800 MW KOTHAGUDAM TPS STAGE -VII UNIT #12, PALONCHA                          |  |
| DEVELOPMENT CONSULTANTS PVT. LTD.                                              |  |
| CONSULTING ENGINEERS                                                           |  |
| KOLKATA MUMBAI CHENNAI NEW DELHI                                               |  |
| CONSULTANT : BHARAT HEAVY ELECTRICALS LTD. INDUSTRIAL SYSTEMS GROUP, BANGALORE |  |
| DRAWN : Diwakar                                                                |  |
| CHKD : Nanditha                                                                |  |
| APPD. : Bindu                                                                  |  |
| NAME : Diwakar                                                                 |  |
| SIGN. : Nanditha                                                               |  |
| DATE : 22-02-2016                                                              |  |
| NO. OF VAR :                                                                   |  |
| REV. : 1 - 690                                                                 |  |
| FILE NO. : 318E00101                                                           |  |
| SCALE : 1:1                                                                    |  |
| WEIGHT (Kgs.) :                                                                |  |
| REF. TO ASSY.DRG. :                                                            |  |
| ITEM NO. :                                                                     |  |
| NO. OF ITEMS :                                                                 |  |
| TITLE : ELECTRICAL EQUIPMENT LAYOUT FOR AHP CONTROL ROOM SWITCHGEAR ROOM       |  |
| DRAWING NO. : IS-1-EE-690-318-E001                                             |  |
| REV. : 0                                                                       |  |
| SHEET NO. : 01                                                                 |  |
| NO. OF SHEETS : 04                                                             |  |

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ALL DIMENSIONS ARE IN MM

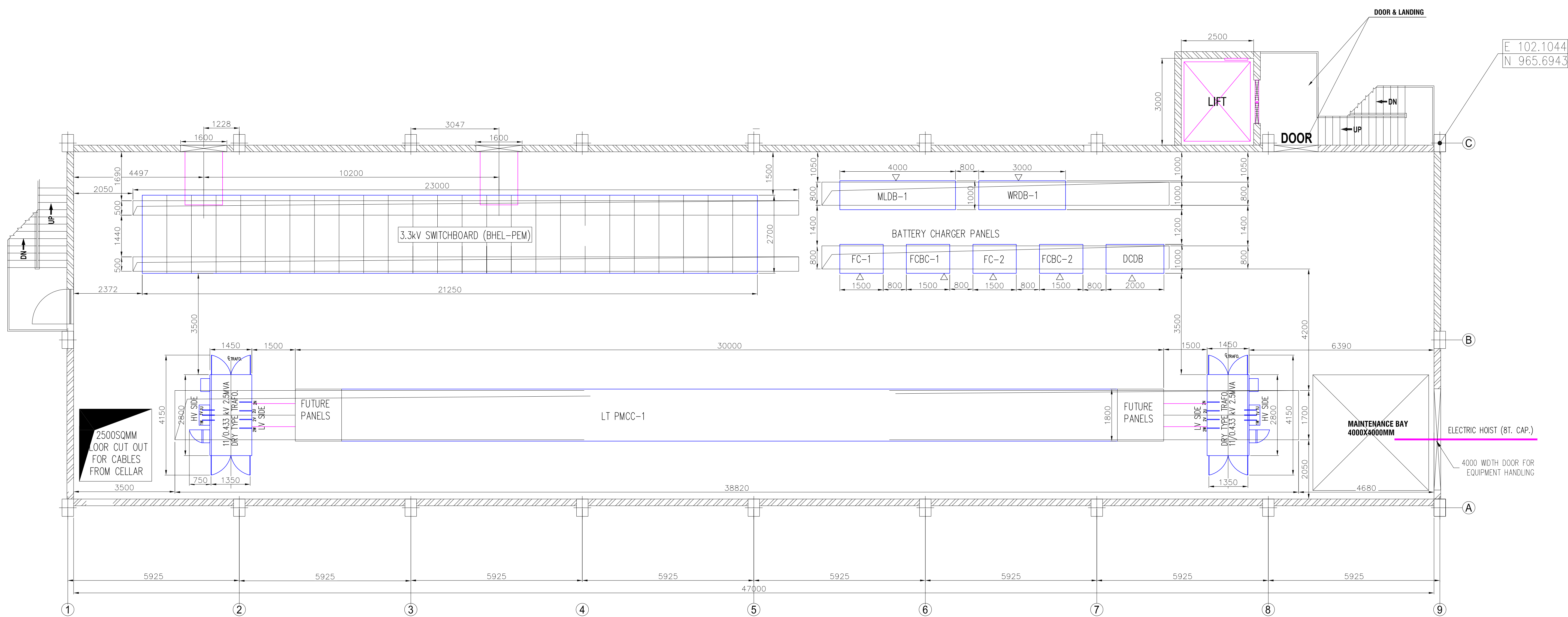
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

FIRST ANGLE PROJECTION

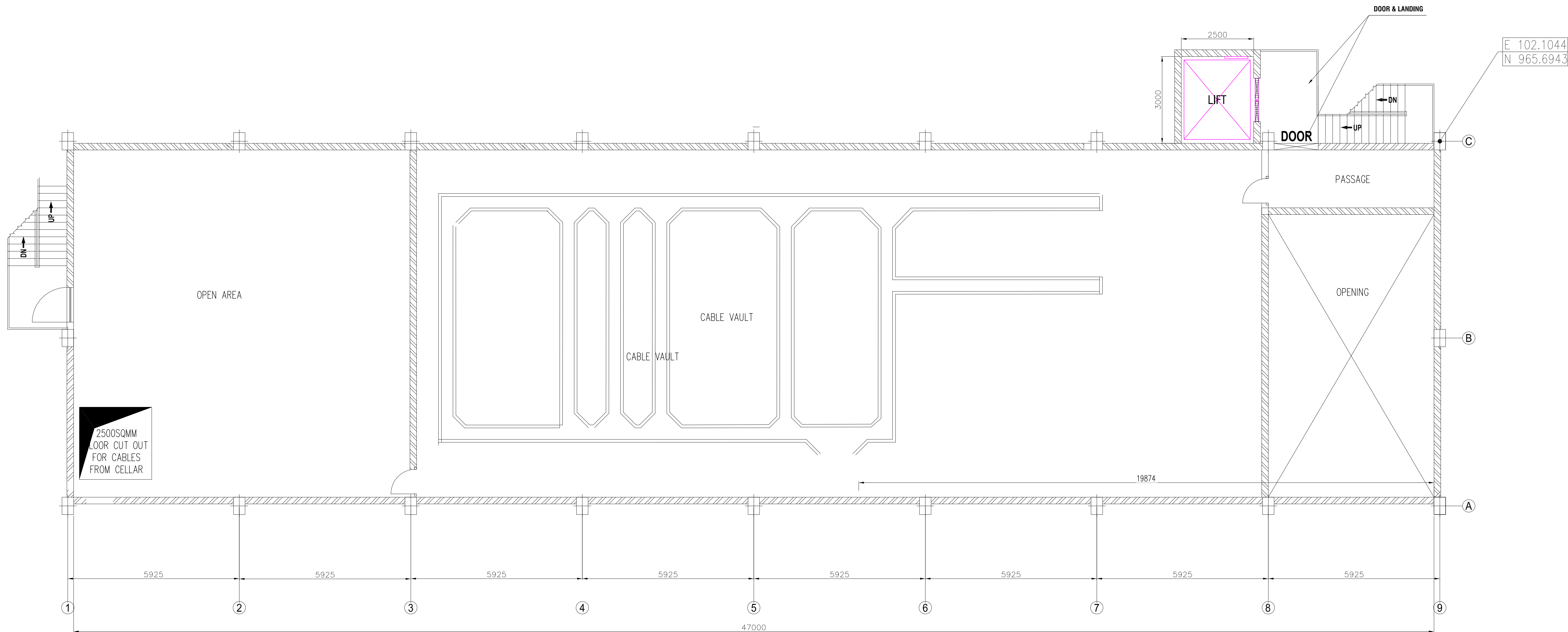
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IS-1-EE-690-318-E001

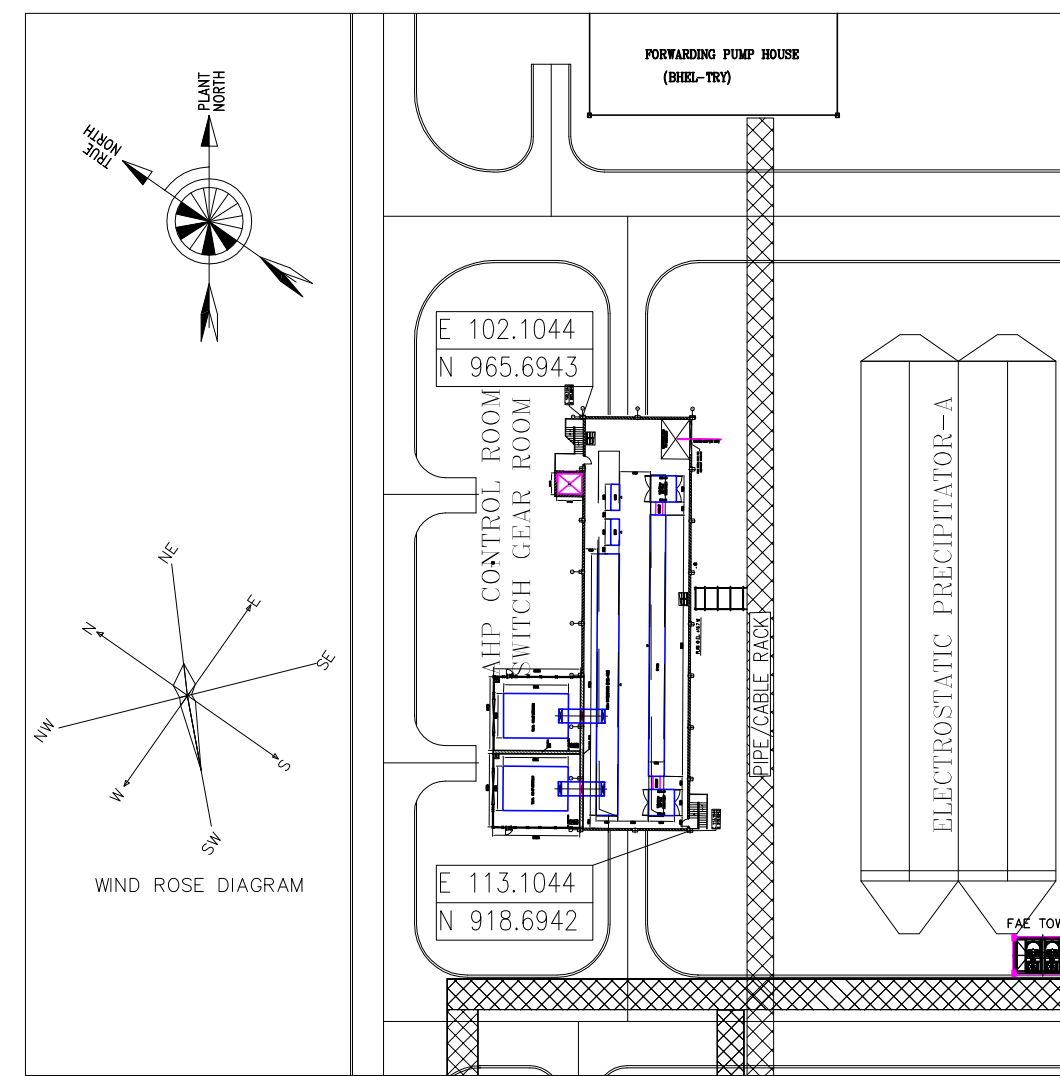
DO NOT SCALE. IF IN DOUBT, ASK.



FLOOR PLAN AT SWITCHGEAR FLOOR



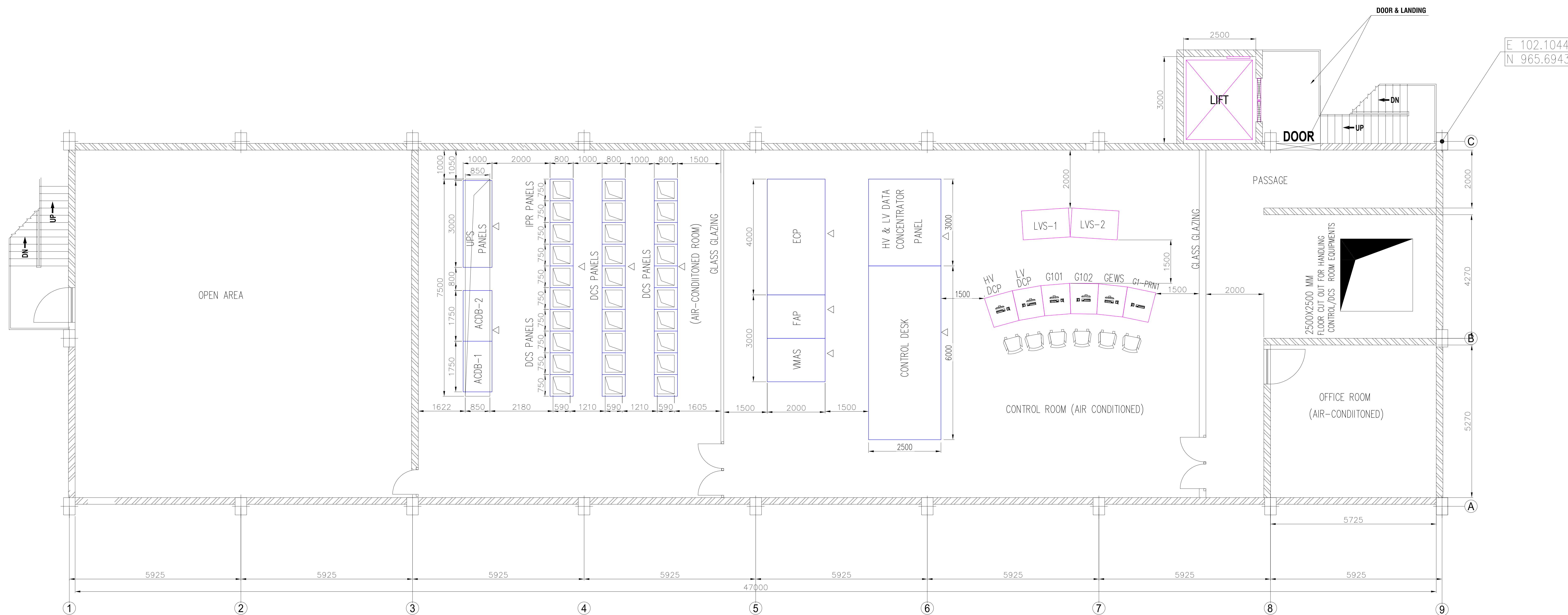
FLOOR PLAN AT CABLE CELLAR-2



|                        |                    |
|------------------------|--------------------|
| JOB NO.                | IS - 1 - 14 - 2006 |
| STATUS OF DRAWING      |                    |
| DISTRIBUTION OF PRINTS | QTY.               |
| REV.                   | NAME               |
| ALTERED                |                    |
| CHECKED                |                    |
| APPROVED               |                    |
| ZONE                   |                    |

|                                                                 |                                                                  |                                                                                |               |
|-----------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------|
| CUSTOMER : TELANGANA STATE POWERGENERATION CORPORATION LTD. CHP |                                                                  | CONSULTANT : BHARAT HEAVY ELECTRICALS LTD. INDUSTRIAL SYSTEMS GROUP, BANGALORE |               |
| TELANGANA STATE, INDIA                                          |                                                                  | INDIA                                                                          |               |
| 1x800 MW KOTHAGUDAM TPS STAGE -VII UNIT #12, PALONCHA           |                                                                  | DEVELOPMENT CONSULTANTS PVT. LTD.                                              |               |
| CONSULTING ENGINEERS                                            |                                                                  | KOLKATA MUMBAI CHENNAI NEW DELHI                                               |               |
| NAME                                                            | SIGN.                                                            | DATE                                                                           | NO. OF VAR    |
| Diwakar                                                         |                                                                  | 22-02-2016                                                                     |               |
| Nanditha                                                        |                                                                  |                                                                                |               |
| Bindu                                                           |                                                                  |                                                                                |               |
| REV.                                                            | NAME                                                             | SIGN.                                                                          | DATE          |
| ALTERED                                                         |                                                                  |                                                                                |               |
| CHECKED                                                         |                                                                  |                                                                                |               |
| APPROVED                                                        |                                                                  |                                                                                |               |
| ZONE                                                            |                                                                  |                                                                                |               |
| DIRECTORY                                                       | 1 - 690                                                          | SCALE :                                                                        | WEIGHT (Kgs.) |
| FILE NO.                                                        | 318E00101                                                        |                                                                                |               |
| TITLE :                                                         | ELECTRICAL EQUIPMENT LAYOUT FOR AHP CONTROL ROOM SWITCHGEAR ROOM |                                                                                |               |
| DRAWING NO.                                                     | IS-1-EE-690-318-E001                                             |                                                                                |               |
| SHEET NO.                                                       | 02                                                               | NO. OF SHEETS.                                                                 | 04            |

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FLOOR FLAN AT CONTROL ROOM

## NOTES

1. DIMENSIONS INDICATED ARE IN MM UNLESS NOTED.
2. EXACT DIMENSIONS OF EQPT. SHALL BE INDICATED ON RECEIPT OF GA DRGS FROM SUPPLIERS.
3. ALL SWITCHGEAR ROOM DOORS SHALL BE OF FIRE PROOF TYPE AND SHALL BE RATED FOR 2 HOURS
4. CABLE TRESTLE/BRIDGE ROUTING SHOWN IS INDICATIVE ONLY.
5. TRANSFORMER FOUNDATION DETAILS SHALL BE SUBMITTED AFTER RECEIPT OF TRANSFORMER DRAWING FROM MANUFACTURER
6. BUS DUCT ROUTING SHOWN IS INDICATIVE, SHALL BE FINALIZED ON DETAIL ENGINEERING.
7. ROOM SIZE BEING FINALIZED CONSIDERING TENTATIVE LOADS. HOWEVER ANY CHANGE IN THE ROOM SIZE / LAYOUT AS PER PROJECT REQUIREMENT WILL BE COMPLIED BY BHEL.
8. THIS DRAWING MAY BE REFERRED ONLY FOR EQUIPMENT LOCATION, LAYOUT FOR CABLE TRAY & EARTHING LAYOUT SHALL BE SUBMITTED SEPARATELY.
9. ALL PANELS ARE SUITABLE FOR BOTTOM ENTRY OF POWER AND CONTROL CABLES.
10. APPROX. WEIGHT OF THE HEAVIEST EQUIPMENT IS 6T I.E., WEIGHT OF DRY TYPE TRANSFORMER.
11. CUTOFFS MARKED ARE TENTATIVE. EXACT DIMENSIONS SHALL BE INDICATED IN THE SUBSEQUENT REVISION AFTER RECEIPT OF GA DRAWINGS.

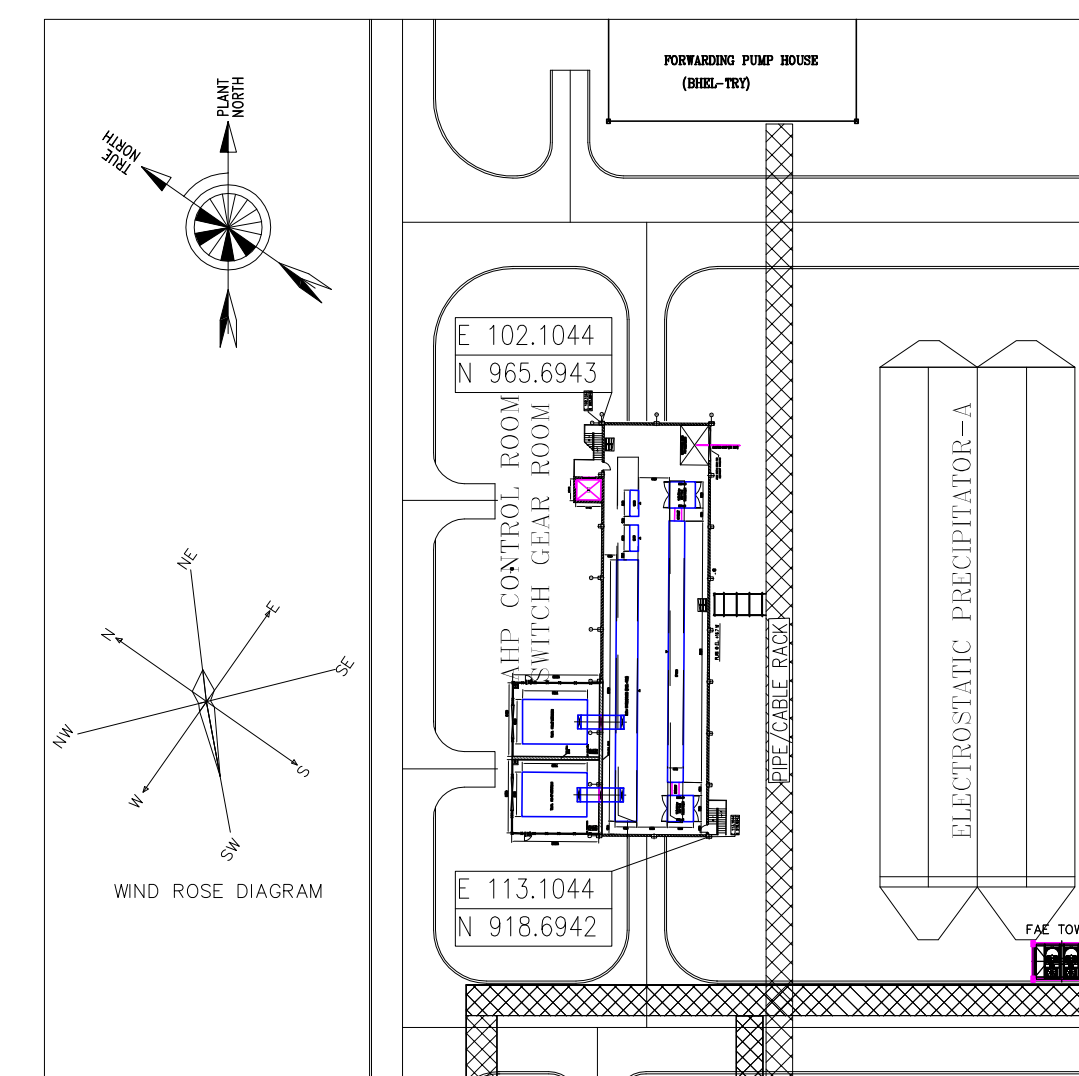
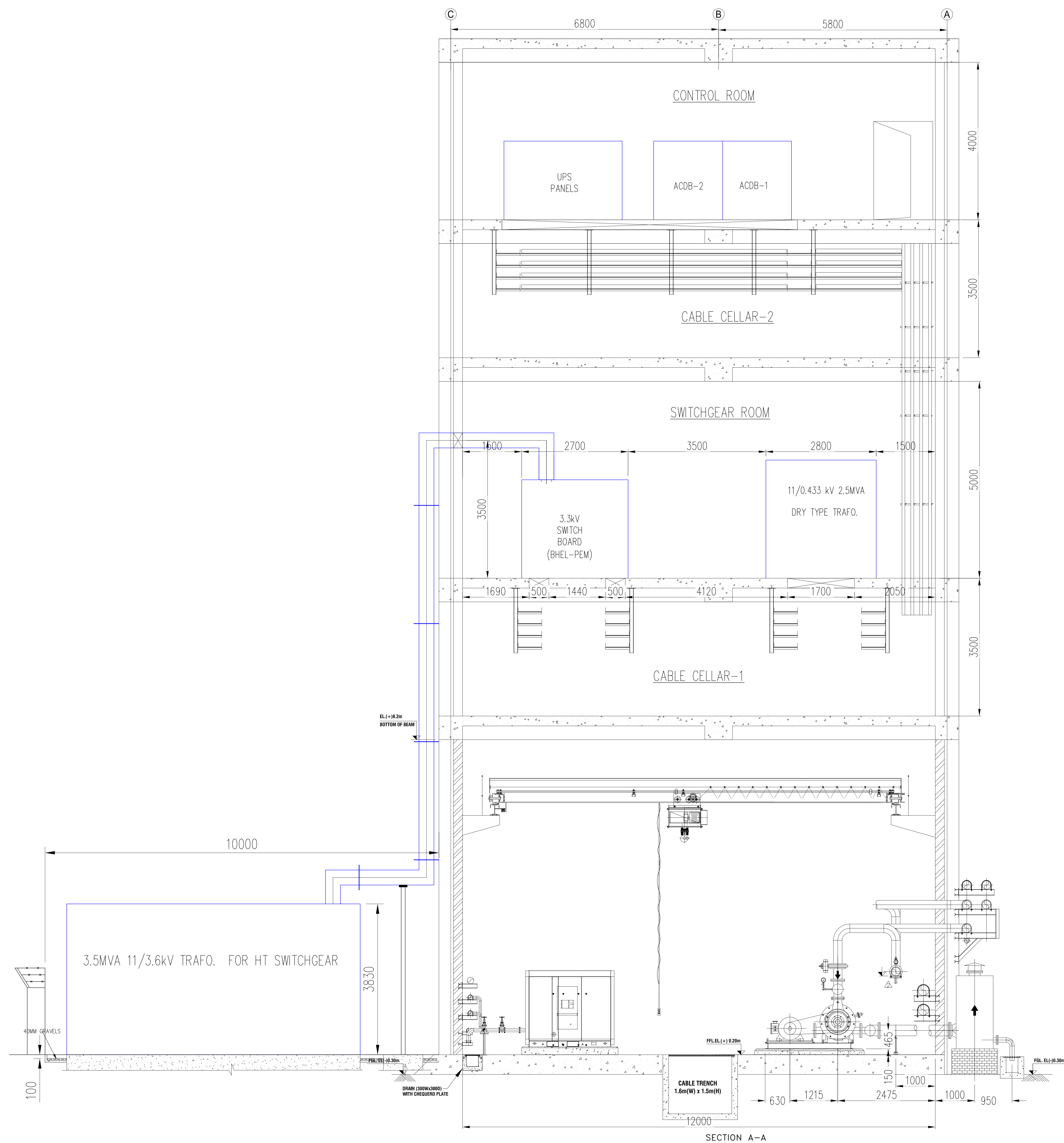
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|------|----------|------|-------|--|
| REV. |          | NAME | SIGN. |  |
|      | ALTERED  |      |       |  |
|      | CHECKED  |      |       |  |
|      | APPROVED |      |       |  |
| ZONE |          |      |       |  |

|      |          |      |       |      |
|------|----------|------|-------|------|
| REV. |          | NAME | SIGN. | DATE |
|      | ALTERED  |      |       |      |
|      | CHECKED  |      |       |      |
|      | APPROVED |      |       |      |
| ZONE |          |      |       |      |

| CUSTOMER :                                                                            |          | TELANGANA STATE POWERGENERATION CORPORATION LTD.                                                                                                                                                                                                                       |        |                                                                                       |  |         |  |               |  |                  |  | CH                                  |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|---------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--|---------|--|---------------|--|------------------|--|-------------------------------------|-------|--------------|--------|--------|---------|------------|-----|------|----------|--|--|-------|-------|--|--|--|--|
|  |          | TELANGANA STATE, INDIA<br>1x800 MW KOTHAGUDAM TPS STATE - VII UNIT #12, PALONCHA<br>DEVELOPMENT CONSULTANTS PVT. LTD.<br>CONSULTING ENGINEERS<br>KOLKATA MUMBAI CHENNAI NEW DELHI                                                                                      |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|                                                                                       |          |                                                                                                                                                                                   |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|  |          | BHARAT HEAVY ELECTRICALS LTD.                                                                                                                                                                                                                                          |        |                                                                                       |  |         |  |               |  |                  |  | VAR                                 |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|                                                                                       |          | INDUSTRIAL SYSTEMS GROUP, BANGALORE                                                                                                                                                                                                                                    |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|                                                                                       |          | <table><tr><th>NAME</th><th>SIGN.</th><th>DATE</th><th>NO. OF</th></tr><tr><td>DRAMIN</td><td>Diwakar</td><td>22-02-2016</td><td>VAR</td></tr><tr><td>CHD.</td><td>Nanditha</td><td></td><td></td></tr><tr><td>APPD.</td><td>Bundu</td><td></td><td></td></tr></table> |        |                                                                                       |  |         |  |               |  |                  |  | NAME                                | SIGN. | DATE         | NO. OF | DRAMIN | Diwakar | 22-02-2016 | VAR | CHD. | Nanditha |  |  | APPD. | Bundu |  |  |  |  |
| NAME                                                                                  | SIGN.    | DATE                                                                                                                                                                                                                                                                   | NO. OF |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| DRAMIN                                                                                | Diwakar  | 22-02-2016                                                                                                                                                                                                                                                             | VAR    |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| CHD.                                                                                  | Nanditha |                                                                                                                                                                                                                                                                        |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| APPD.                                                                                 | Bundu    |                                                                                                                                                                                                                                                                        |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| DIRECTORY :                                                                           |          | 1 - 690                                                                                                                                                                                                                                                                |        |  |  | SCALE : |  | WEIGHT (Kgs.) |  | REF-TO ASSY.DWG. |  | ITEM NO.                            |       | NO. OF ITEMS |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| FILE NO.                                                                              |          | 318C00101                                                                                                                                                                                                                                                              |        |                                                                                       |  |         |  |               |  |                  |  |                                     |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
| TITLE :                                                                               |          | ELECTRICAL EQUIPMENT LAYOUT FOR<br>AHP CONTROL ROOM SWITCHGEAR ROOM                                                                                                                                                                                                    |        |                                                                                       |  |         |  |               |  |                  |  | DRAWING NO.<br>IS-1-EE-690-318-E001 |       | REV.<br>0    |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |
|                                                                                       |          |                                                                                                                                                                                                                                                                        |        |                                                                                       |  |         |  |               |  | SHEET NO. 03     |  | NO. OF SHEETS. 04                   |       |              |        |        |         |            |     |      |          |  |  |       |       |  |  |  |  |

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|                   |                        |      |
|-------------------|------------------------|------|
| JOB NO.           | IS - 1 - 14 - 2006     |      |
| STATUS OF DRAWING |                        |      |
|                   | DISTRIBUTION OF PRINTS | QTY. |
|                   |                        |      |
|                   |                        |      |
|                   |                        |      |

|      |          |      |       |      |
|------|----------|------|-------|------|
| REV. |          | NAME | SIGN. | DATE |
|      | ALTERED  |      |       |      |
|      | CHECKED  |      |       |      |
|      | APPROVED |      |       |      |

|                                                                                       |  |                                                        |  |       |            |               |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------|--|-------|------------|---------------|--|
| CUSTOMER :                                                                            |  | TELANGANA STATE POWERGENERATION CORPORATION LTD.       |  |       |            | CH            |  |
|                                                                                       |  | TELANGANA STATE, INDIA                                 |  |       |            |               |  |
|                                                                                       |  | 1x800 MW KOTHAGUDAM TPS STATE - VII UNIT #12, PALONCHA |  |       |            |               |  |
| CONSULTANT :                                                                          |  | DEVELOPMENT CONSULTANTS PVT. LTD.                      |  |       |            |               |  |
|                                                                                       |  | CONSULTING ENGINEERS                                   |  |       |            |               |  |
|                                                                                       |  | KOLKATA MUMBAI CHENNAI NEW DELHI                       |  |       |            |               |  |
|  |  | BHARAT HEAVY ELECTRICALS LTD.                          |  |       |            |               |  |
|                                                                                       |  | INDUSTRIAL SYSTEMS GROUP, BANGALORE                    |  |       |            |               |  |
| DRAWN                                                                                 |  | NAME                                                   |  | SIGN. | DATE       | NO. OF        |  |
| Ckd.                                                                                  |  | Diwakar                                                |  |       | 22-02-2016 | VAR           |  |
| APPRO.                                                                                |  | Nanditha                                               |  |       |            |               |  |
|                                                                                       |  | Bindu                                                  |  |       |            |               |  |
| DRAWING NO.                                                                           |  | REF. TO ASSY/DWG.                                      |  |       |            | ITEM NO.      |  |
| FILE NO.                                                                              |  |                                                        |  |       |            | ITEMS         |  |
| TITLE :                                                                               |  | DRAWING NO.                                            |  |       |            | REV.          |  |
|                                                                                       |  | IS-1-EE-690-318-E001                                   |  |       |            | 0             |  |
|                                                                                       |  | SHEET NO.                                              |  |       |            | NO. OF SHEETS |  |
|                                                                                       |  | 04                                                     |  |       |            | 04            |  |