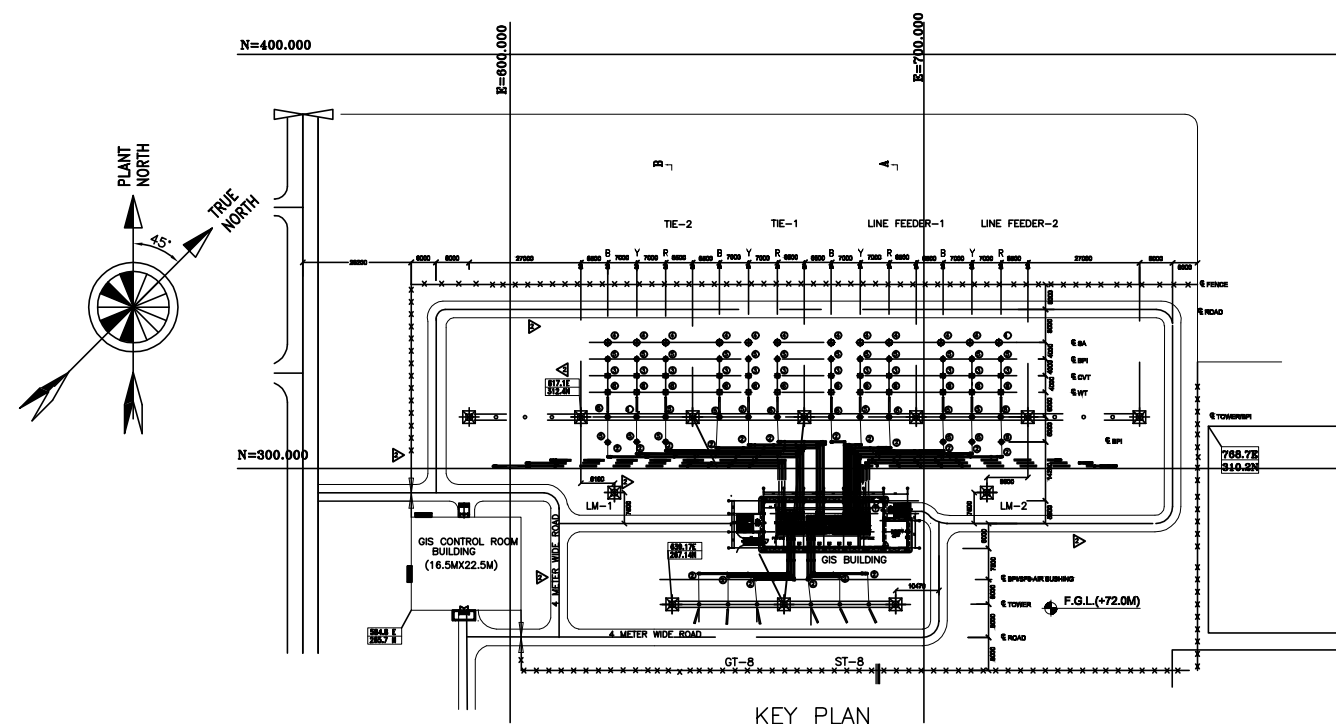
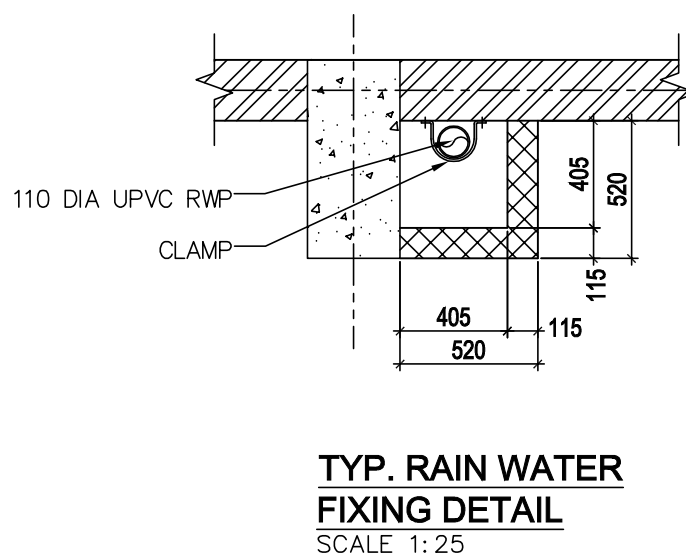
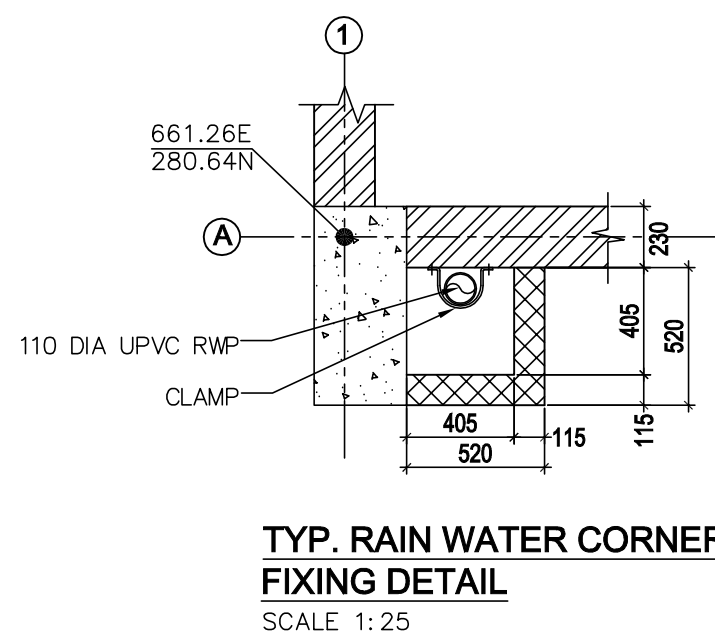




1. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
3. ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE, ANY DISCREPANCY FOUND, TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
4. FGL OF THE SWITCHYARD HAS BEEN CONSIDERED AS EL  $\pm$  0.000M, CORRESPONDING TO FGL 72.00 M.
5. ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
7. FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
8. DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
9. THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
10. ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
11. DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION, FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.
12. OPENING FOR GIB EXACT LOCATION TO BE FINALISED LATER
13. OPENING FOR VENT FAN TO BE FINALISED LATER

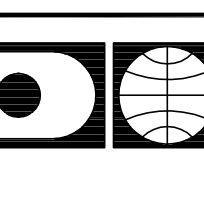
661.26E  
280.64N



|         |                       |
|---------|-----------------------|
| EL      | ELEVATION             |
| SEC     | SECTION               |
| FGL     | FINISHED GROUND LEVEL |
| TRL     | TOP OF ROAD           |
| FFL     | FINISHED FLOOR LEVEL  |
| BOB     | BOTTOM OF BEAM        |
| TOC     | TOP OF CONCRETE       |
| TOP     | TOP OF PARAPET WALL   |
| PCC     | PLAIN CEMENT CONCRETE |
| BOCR    | BOTTOM OF CRANE       |
| DPC     | DAMP PROOF COURSE     |
| WPC     | WATER PROOF COURSE    |
| RS      | ROLLING SHUTTER       |
| D       | DOOR                  |
| W       | WINDOW                |
| V       | VENTILATORS           |
| WO      | WALL OPENING          |
| GIB OP. | GIB WALL OPENING      |
| BKT     | BRACKET               |
|         |                       |

| SCHEDULE OF DOOR / WINDOW OPNING (GROUND FLOOR AT RL+ 0.750M FFL) |      |           |           |             |      |                                             |
|-------------------------------------------------------------------|------|-----------|-----------|-------------|------|---------------------------------------------|
| S.NO.                                                             | TYPE | SIZE      | SILL LVL. | LINTEL LVL. | NOS. | REMARK                                      |
| 1.                                                                | RS   | 4500x5000 | —         | 5000        | 02   | MS ROLLING SHUTTER AS/SPEC                  |
| 2.                                                                | D    | 1500x2500 | —         | 2500        | 03   | FIRE PROOF DOOR MIN.2HR FIRE RATING AS/SPEC |
| 3.                                                                | W    | 2500x1500 | 1000      | 2500        | 03   | ALUMINUM GLAZED WINDOW AS/SPEC              |
| 4.                                                                | V    | 2500x700  | 4300      | 5000        | 12   | ALUMINUM GLAZED VENTILATORS AS/SPEC         |
| 5.                                                                | GIB  | 2100x800  | —         | —           | —    | WALL OPENING                                |
| 6.                                                                | WO   | 600x600   | 2500      | 3100        | 02   | WALL OPENING                                |
| 7.                                                                | D1   | 2500X2500 | —         | 2500        | 01   | DOUBLE LEAF STEEL DOOR AS/SPEC              |

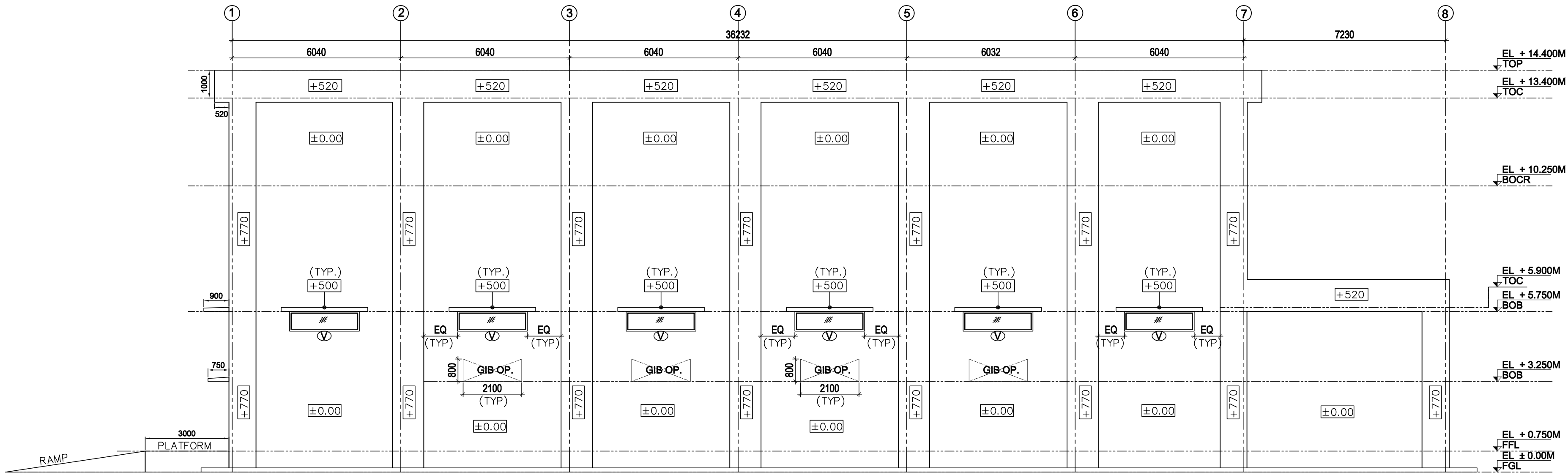
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| 4         | 4   | 4           |
| 5         | 5   | 5           |
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| 129       | 129 | 129         |

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--|-------------------------------|------|------|------|---------|--|--|---------|--|--|----------|--|--|
|  | <p>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</p> <p>VADODARA, GUJARAT</p> <p>1x800 MW Wanakbori Thermal Power Station Extn. Unit-8</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
|  | <p>DEVELOPMENT CONSULTANTS PVT. LTD.</p> <p>CONSULTING ENGINEERS</p> <p>KOLKATA · MUMBAI · CHENNAI · NEW DELHI</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
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| BHARAT HEAVY ELECTRICALS LTD.                                                         | NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SIGN | DATE |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
|                                                                                       | DRN. SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
|                                                                                       | CHD. SK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |
|                                                                                       | APPD. AM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |  |                               |      |      |      |         |  |  |         |  |  |          |  |  |

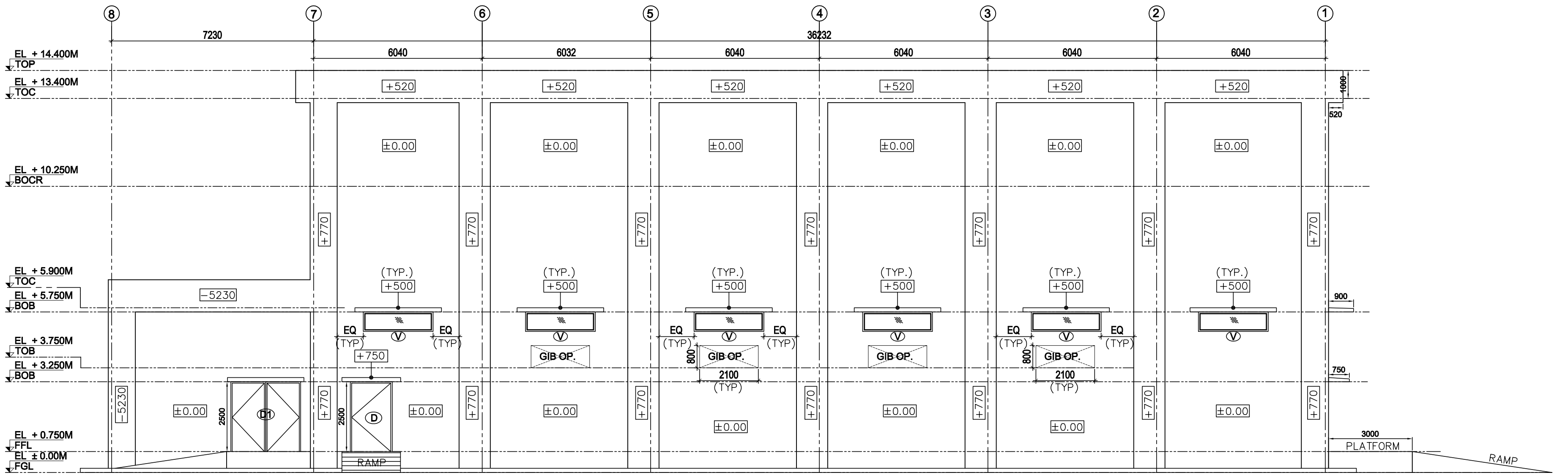
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| 0    |        |      | FIRST SUBMISSION     | SP    | SK      | AM       | 14.07.1 |
| REV. | STATUS | TYPE | REASONS FOR REVISION | DRAWN | CHECKED | APPROVED | DATE    |

TITLE : ARCH – GROUND FLOOR PLAN FOR 400kV GIS BUILDING

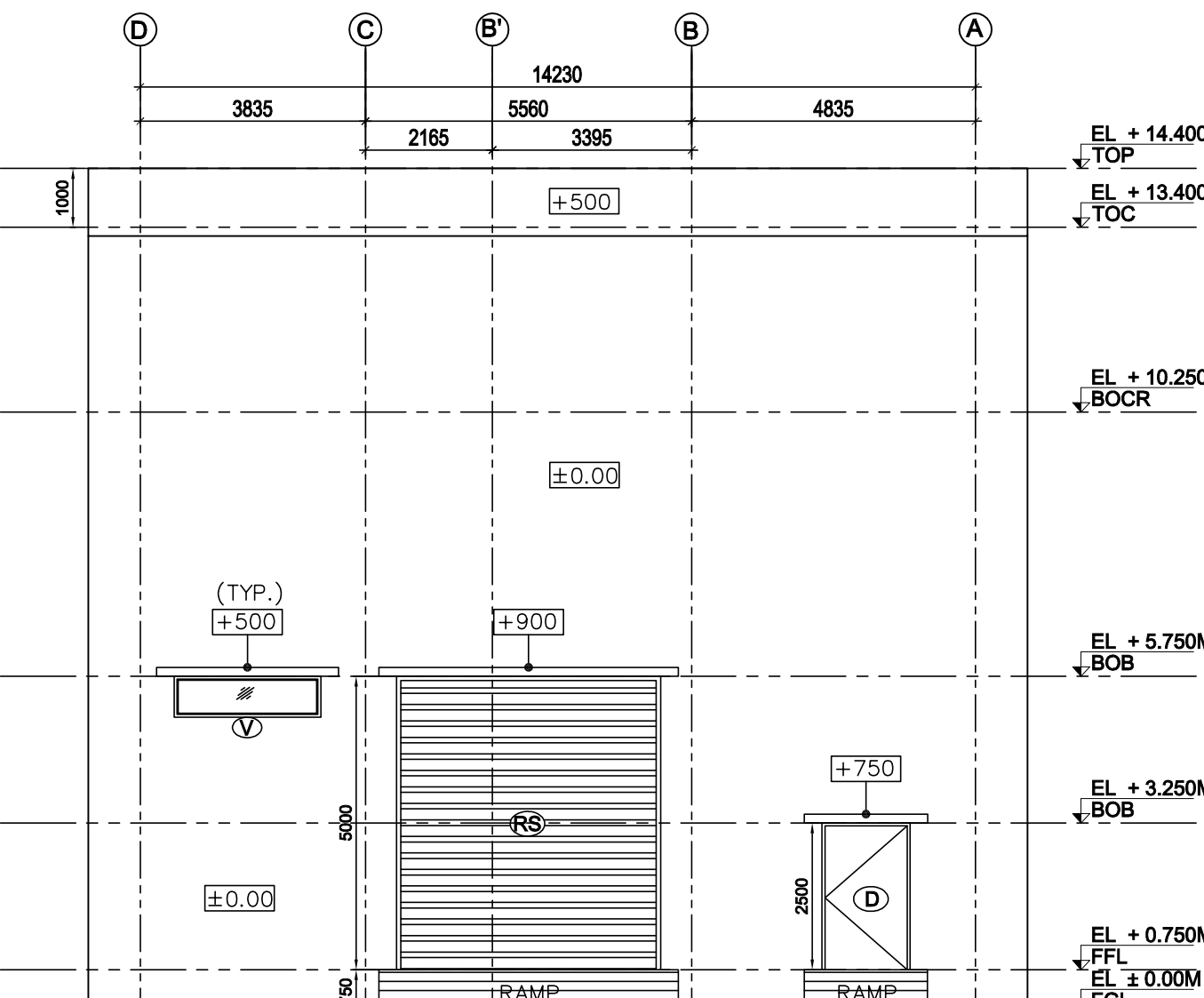
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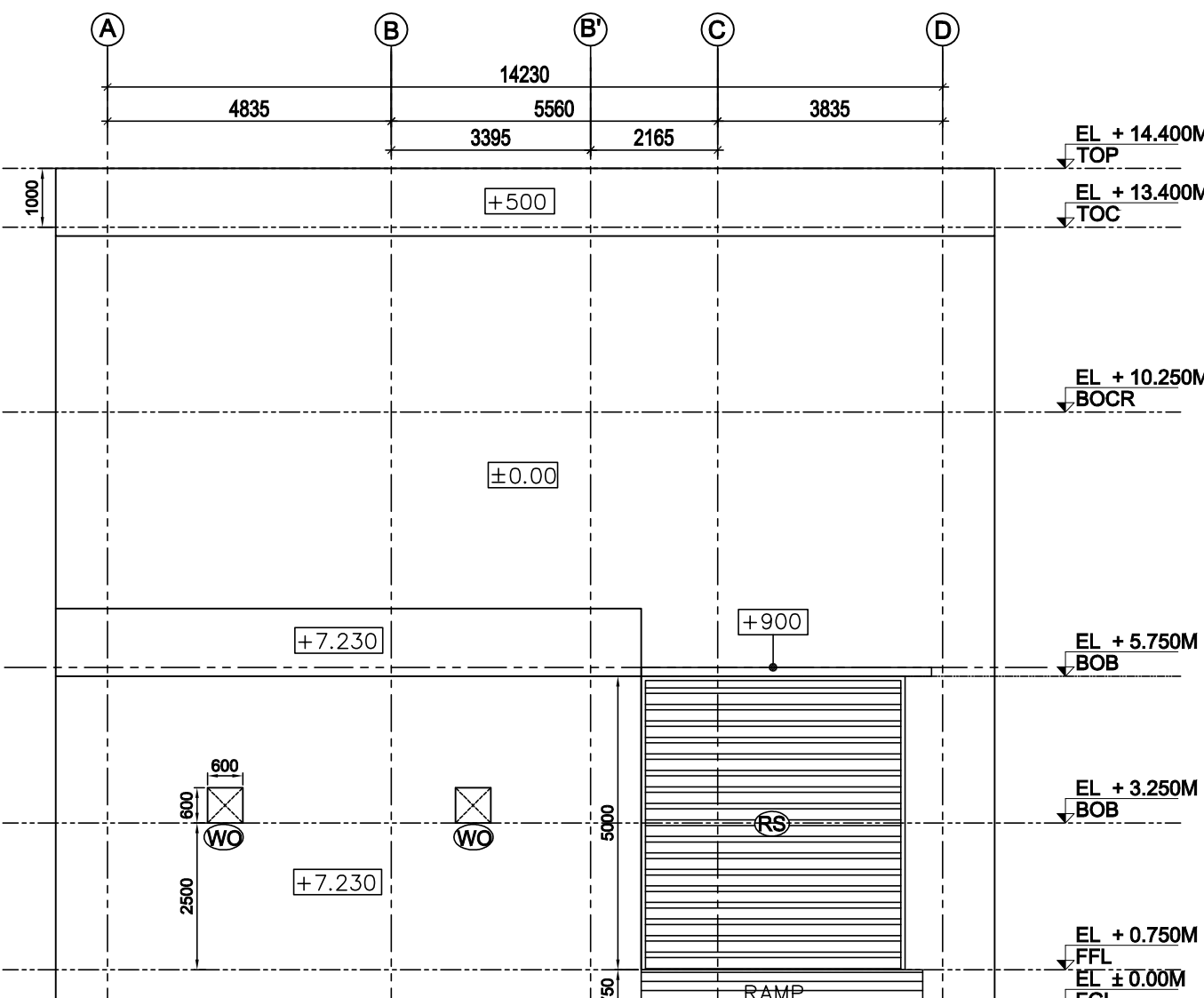
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SCALE 1:100



ELEVATION - B  
SCALE 1:100



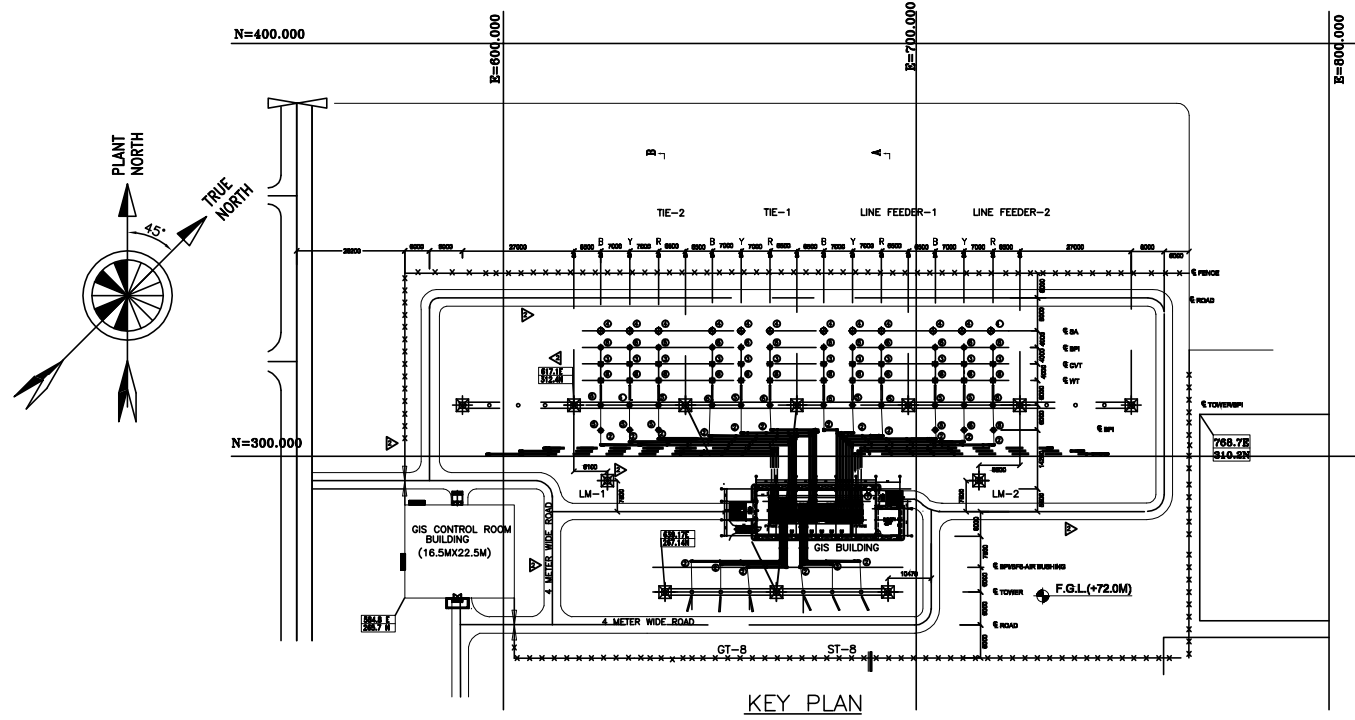
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SCALE 1:100



ELEVATION - D  
SCALE 1:100

LEGEND :-

|         |                       |
|---------|-----------------------|
| EL      | ELEVATION             |
| SEC     | SECTION               |
| FGL     | FINISHED GROUND LEVEL |
| TRL     | TOP OF ROAD           |
| FFL     | FINISHED FLOOR LEVEL  |
| BOB     | BOTTOM OF BEAM        |
| TOC     | TOP OF CONCRETE       |
| TOP     | TOP OF PARAPET WALL   |
| PCC     | PLAIN CEMENT CONCRETE |
| BOCR    | BOTTOM OF CRANE       |
| DPC     | DAMP PROOF COURSE     |
| WPC     | WATER PROOF COURSE    |
| RS      | ROLLING SHUTTER       |
| D       | DOOR                  |
| W       | WINDOW                |
| V       | VENTILATORS           |
| WO      | WALL OPENING          |
| GIB OP. | GIB WALL OPENING      |
| BKT     | BRACKET               |



GENERAL NOTES :-

- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
- ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
- FGL OF THE SWITCHYARD HAS BEEN CONSIDERED AS EL ± 0.000M. CORRESPONDING TO FGL 72.00 M.
- ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
- FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
- DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
- THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
- ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
- DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.
- OPENING FOR GIB EXACT LOCATION TO BE FINALISED LATER
- OPENING FOR VENT FAN TO BE FINALISED LATER

| SCHEDULE OF DOOR / WINDOW OPENING (GROUND FLOOR AT RL+ 0.750M FFL) |       |           |            |             |      |                                             |
|--------------------------------------------------------------------|-------|-----------|------------|-------------|------|---------------------------------------------|
| S.NO.                                                              | TYPE. | SIZE      | SILL. LVL. | LINTEL LVL. | NOS. | REMARK                                      |
| 1.                                                                 | RS    | 4500x5000 | -          | 5000        | 02   | MS ROLLING SHUTTER AS/SPEC                  |
| 2.                                                                 | D     | 1500x2500 | -          | 2500        | 02   | FIRE PROOF DOOR MIN.2HR FIRE RATING AS/SPAC |
| 3.                                                                 | V     | 2500x700  | 4300       | 5000        | 14   | ALUMINUM GLAZED VENTILATORS AS/SPAC         |
| 4.                                                                 | AF    | 450x450   | 8750       | 9200        | 12   | WALL OPENING                                |
| 5.                                                                 | D1    | 2500x2500 | -          | 2500        | 01   | DOUBLE LEAF STEEL DOOR AS/SPEC              |

|           |                                                              |
|-----------|--------------------------------------------------------------|
| REFERENCE | TB-1-375-607-676 MISCELLANEOUS DETAIL FOR 400kV GIS BUILDING |
| REFERENCE | TB-1-375-607-675 FINISHING SCHEDULE FOR 400kV GIS BUILDING   |
| REFERENCE | TB-1-375-607-674 TERRACE PLAN FOR 400kV GIS BUILDING         |
| REFERENCE | TB-1-375-607-673 SECTIONS FOR 400kV GIS BUILDING             |
| REFERENCE | TB-1-375-607-672 ELEVATIONS FOR 400kV GIS BUILDING           |
| REFERENCE | TB-1-375-607-671 GROUND FLOOR PLAN FOR 400kV GIS BUILDING    |
| REFERENCE | TB-1-375-316-002 LAYOUT PLAN AND SECTION                     |

**GSECL** GUJARAT STATE ELECTRICITY CORPORATION LIMITED  
VADODARA, GUJARAT  
1x800 MW Wanakbori Thermal Power Station Extn. Unit-8

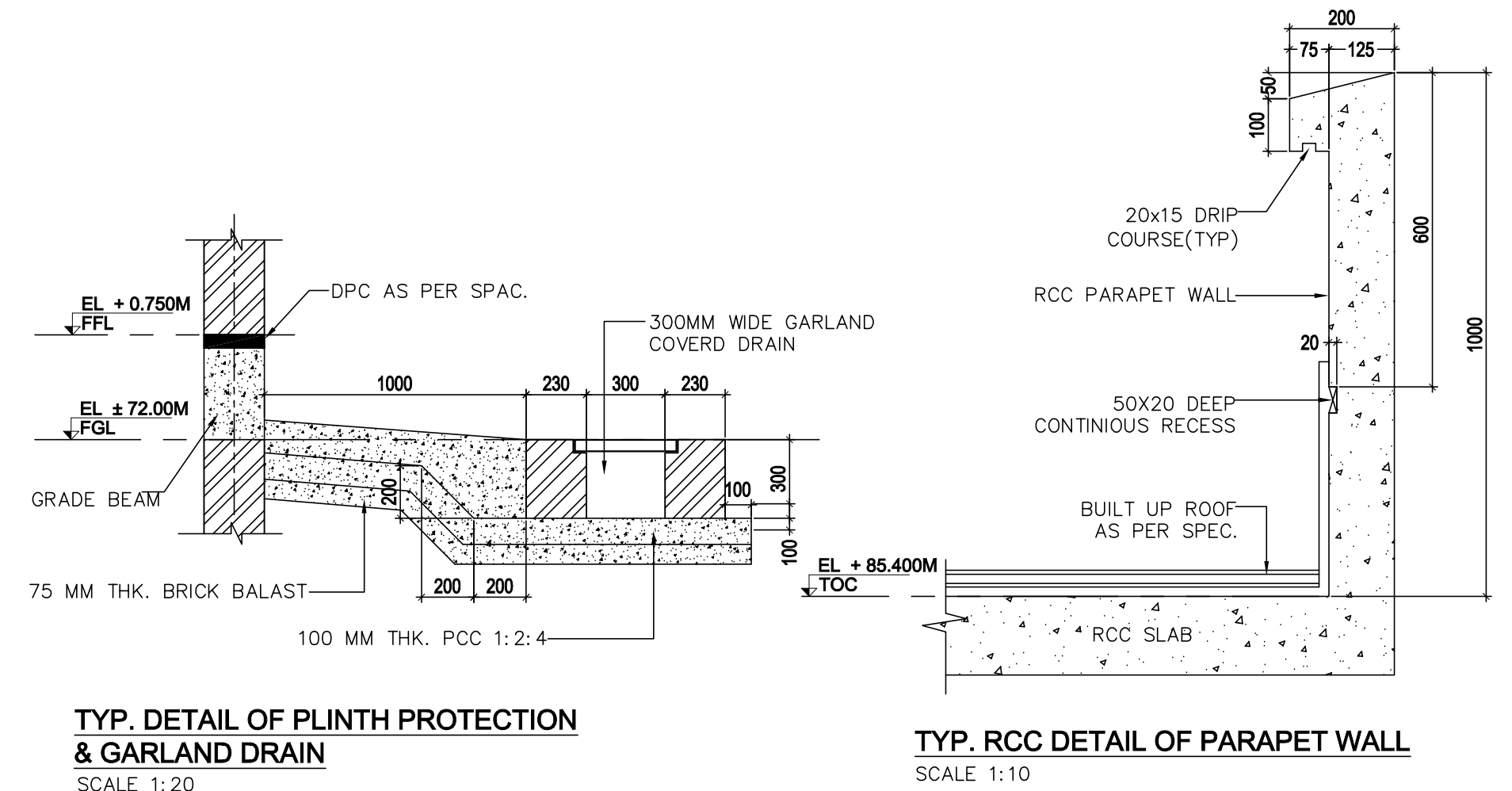
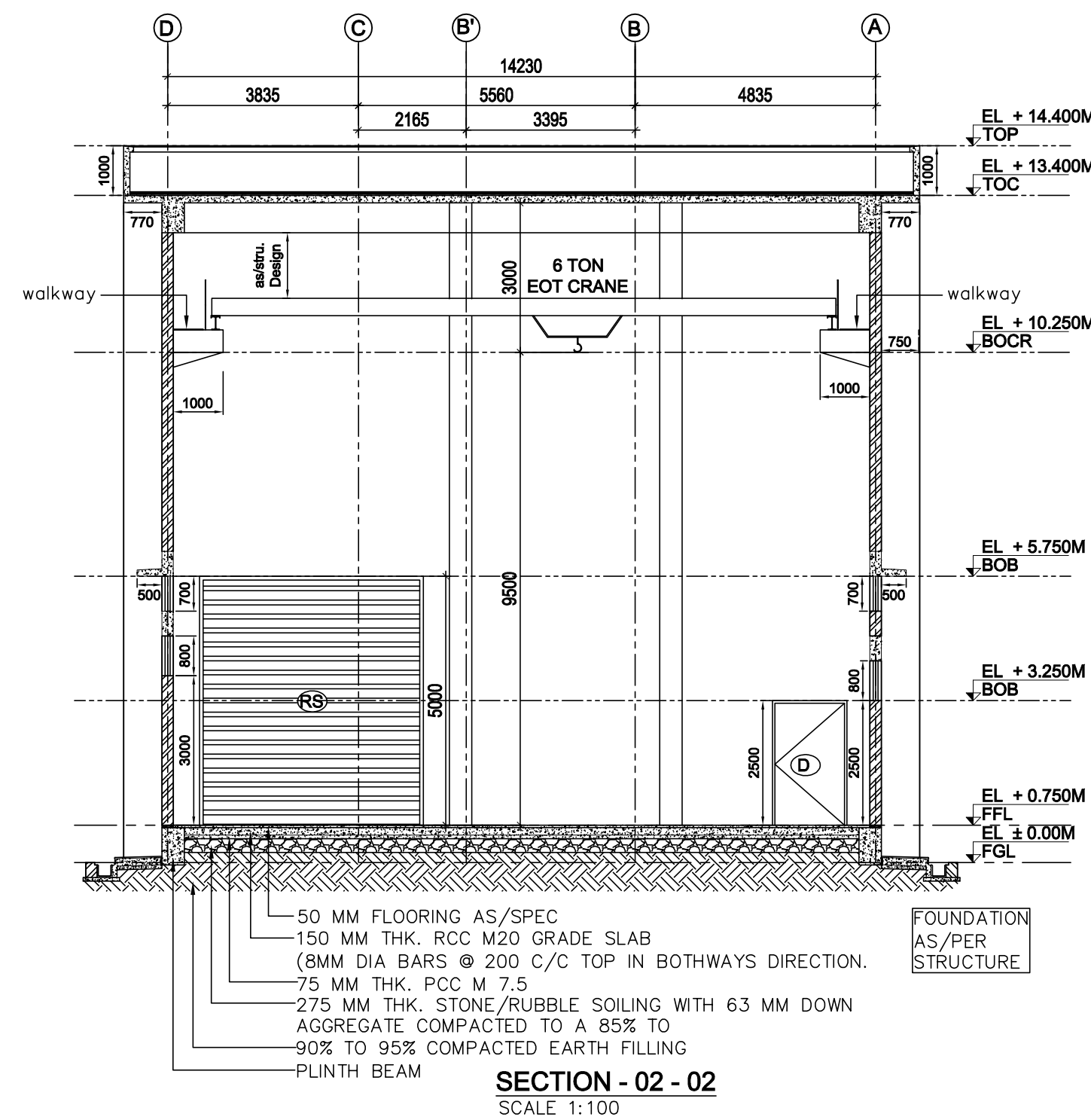
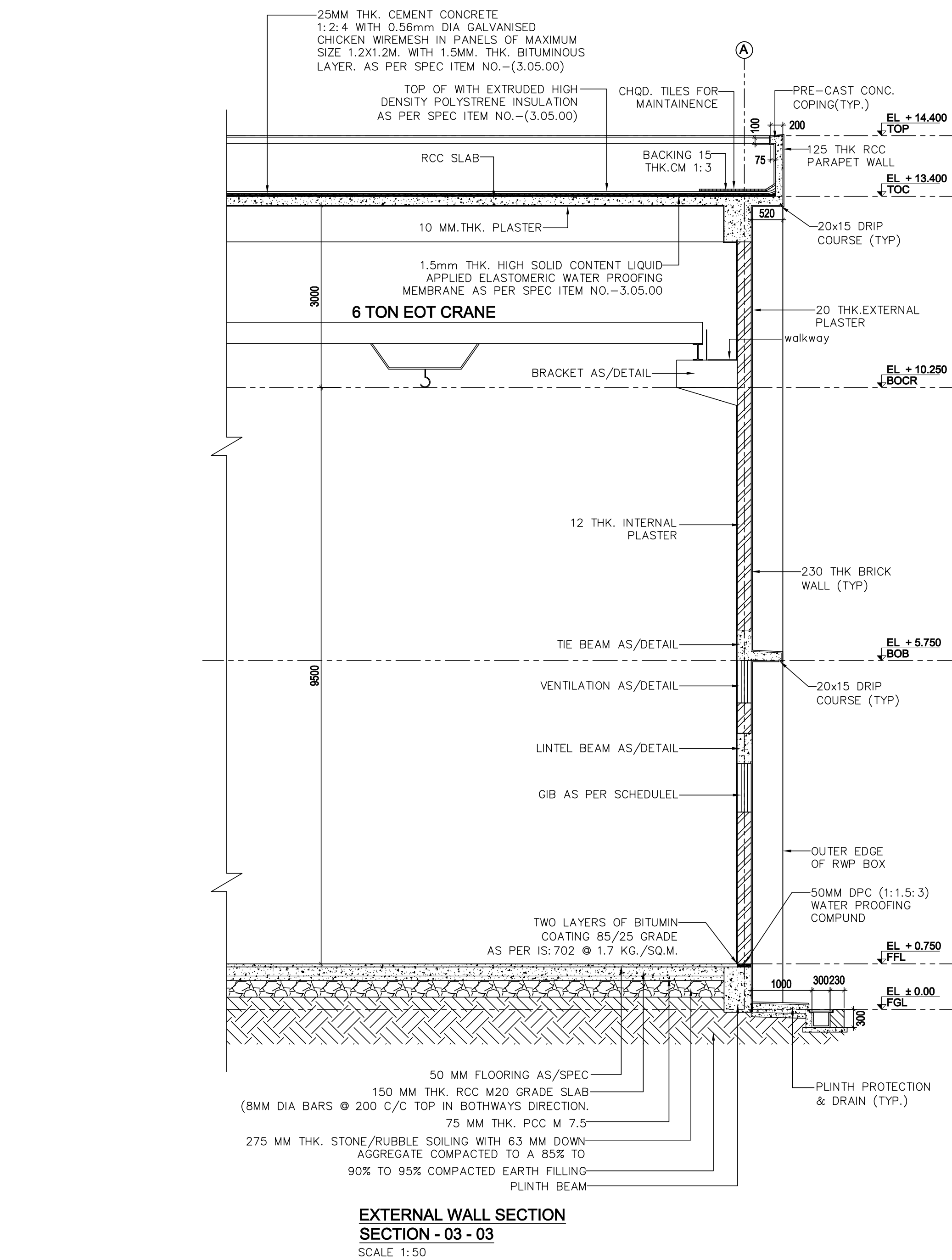
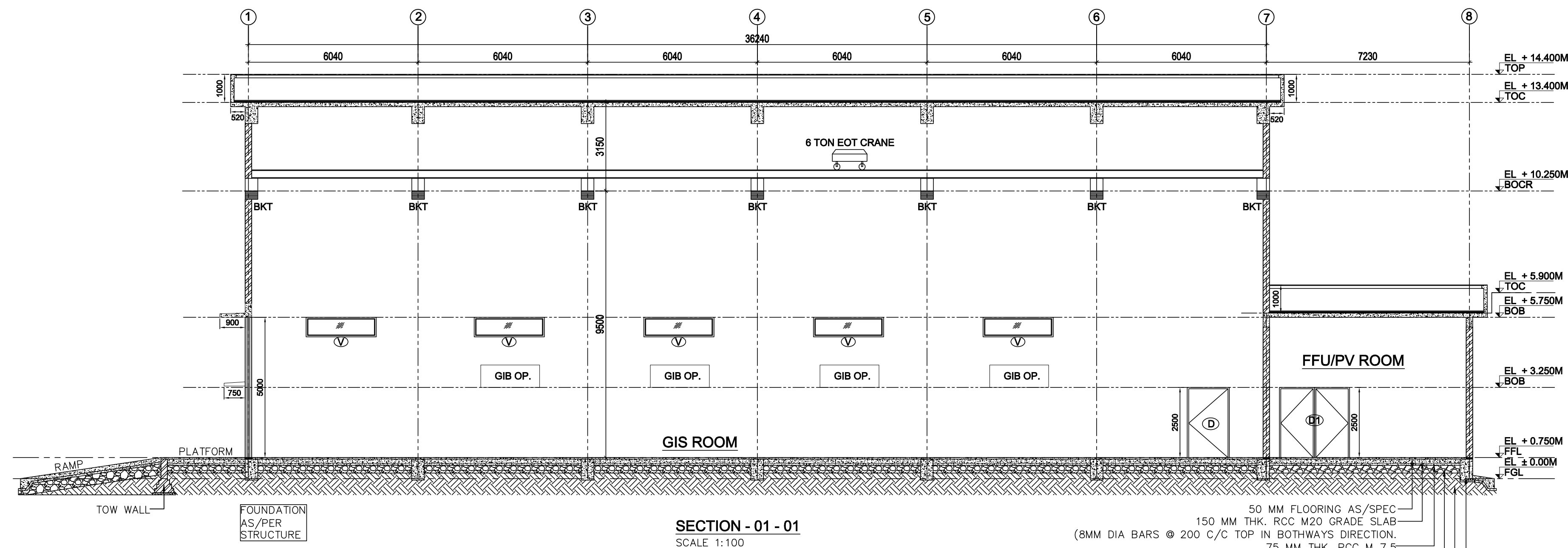
**DEVELOPMENT CONSULTANTS PVT. LTD.**  
CONSULTING ENGINEERS  
KOLKATA · MUMBAI · CHENNAI · NEW DELHI

|             |                               |       |      |      |      |
|-------------|-------------------------------|-------|------|------|------|
| <b>BHEL</b> | BHARAT HEAVY ELECTRICALS LTD. | DRN.  | NAME | SIGN | DATE |
|             |                               | CHD.  | SP   |      |      |
|             |                               | APPD. | SK   |      |      |
|             |                               |       | AM   |      |      |

TITLE : ARCH - ELEVATIONS FOR 400kV GIS BUILDING

| REV. | STATUS | TYPE | REASONS FOR REVISION | DRAWN | CHECKED | APPROVED | DATE     |
|------|--------|------|----------------------|-------|---------|----------|----------|
| 0    |        |      | FIRST SUBMISSION     | SP    | SK      | AM       | 14.07.16 |

|        |               |                                  |       |
|--------|---------------|----------------------------------|-------|
| UNIT : | SCALE : 1:110 | BHEL DWG. NO. : TB-1-375-607-672 | REV 0 |
|--------|---------------|----------------------------------|-------|



| LEGEND :- |                       |
|-----------|-----------------------|
| EL        | ELEVATION             |
| SEC       | SECTION               |
| FGL       | FINISHED GROUND LEVEL |
| TRL       | TOP OF ROAD           |
| FFL       | FINISHED FLOOR LEVEL  |
| BOB       | BOTTOM OF BEAM        |
| TOC       | TOP OF CONCRETE       |
| TOP       | TOP OF PARAPET WALL   |
| PCC       | PLAIN CEMENT CONCRETE |
| BOCR      | BOTTOM OF CRANE       |
| DPC       | DAMP PROOF COURSE     |
| WPC       | WATER PROOF COURSE    |
| RS        | ROLLING SHUTTER       |
| D         | DOOR                  |
| W         | WINDOW                |
| V         | VENTILATORS           |
| WO        | WALL OPENING          |
| GIB OP.   | GIB WALL OPENING      |
| BKT       | BRACKET               |
|           |                       |

REFERENCE DRG.

TB-1-375-607-676 MISCELLANEOUS DETAIL FOR 400KV GIS BUILDING

TB-1-375-607-675 FINISHING SCHEDULE FOR 400KV GIS BUILDING

TB-1-375-607-674 TERRACE PLAN FOR 400KV GIS BUILDING

TB-1-375-607-673 SECTIONS FOR 400KV GIS BUILDING

TB-1-375-607-672 ELEVATIONS FOR 400KV GIS BUILDING

TB-1-375-607-671 GROUND FLOOR PLAN FOR 400KV GIS BUILDING

TB-1-375-316-002 LAYOUT PLAN AND SECTION



GUJARAT STATE ELECTRICITY CORPORATION LIMITED

VADODARA, GUJARAT

1x800 MW Wanakbori Thermal Power Station Extn. Unit-8



DEVELOPMENT CONSULTANTS PVT. LTD.

CONSULTING ENGINEERS

KOLKATA · MUMBAI · CHENNAI · NEW DELHI

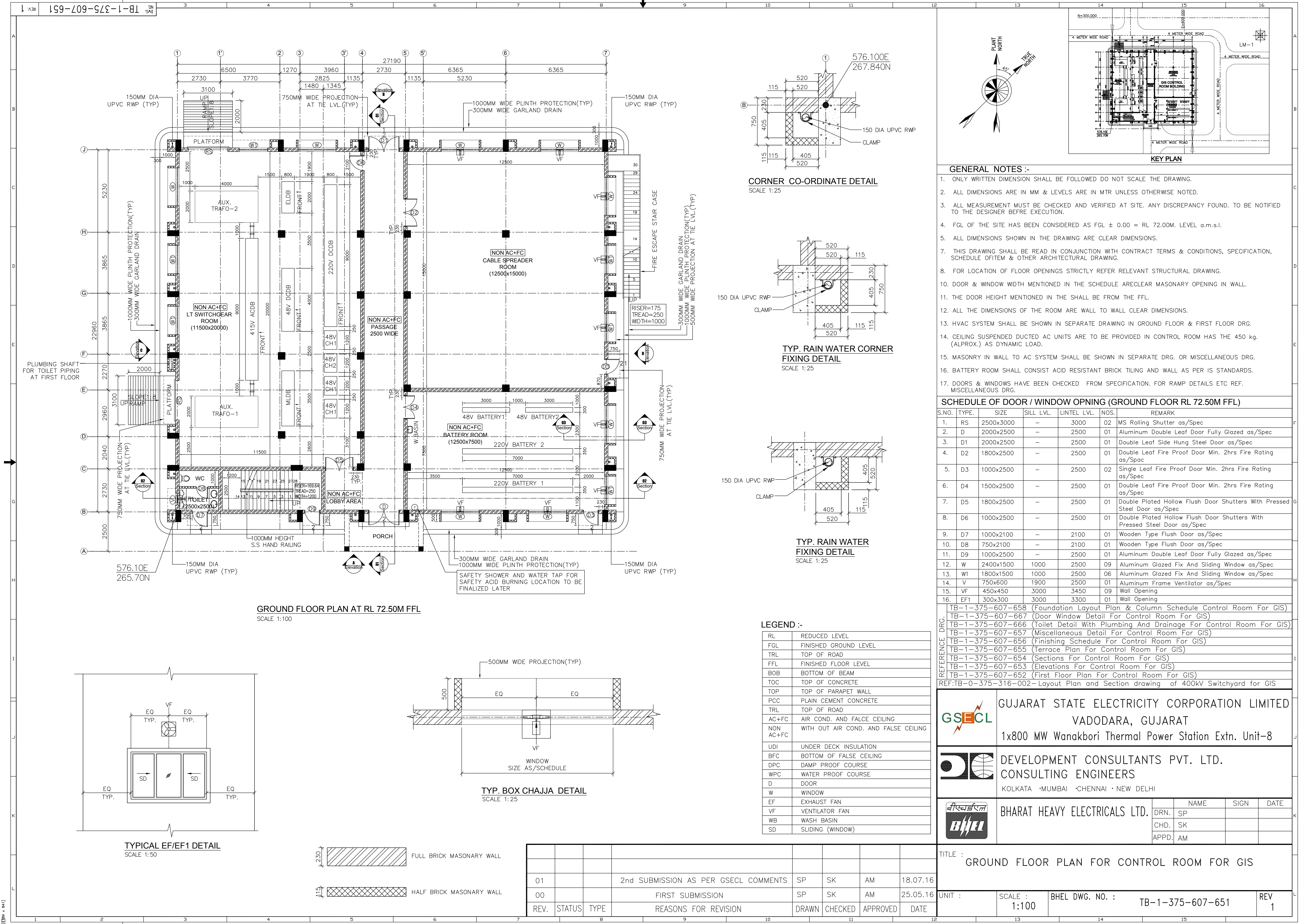


BHARAT HEAVY ELECTRICALS LTD.

|          |      |      |
|----------|------|------|
| NAME     | SIGN | DATE |
| DRN. SP  |      |      |
| CHD. SK  |      |      |
| APPD. AM |      |      |

TITLE : ARCH – SECTIONS FOR 400KV GIS BUILDING

|        |               |                                  |       |
|--------|---------------|----------------------------------|-------|
| UNIT : | SCALE : 1:110 | BHEL DWG. NO. : TB-1-375-607-673 | REV 0 |
|--------|---------------|----------------------------------|-------|



- GENERAL NOTES :-**
- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
  - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
  - ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
  - FGL OF THE SITE HAS BEEN CONSIDERED AS FGL  $\pm 0.00 = RL 72.00M$ . LEVEL a.m.s.l.
  - ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
  - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OFITEM & OTHER ARCHITECTURAL DRAWING.
  - FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
  - DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONARY OPENING IN WALL.
  - THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
  - ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
  - HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
  - CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
  - MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
  - BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
  - DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.

| SCHEDULE OF DOOR / WINDOW OPNING (GROUND FLOOR RL 72.50M FFL) |       |           |           |             |      |                                                                          |
|---------------------------------------------------------------|-------|-----------|-----------|-------------|------|--------------------------------------------------------------------------|
| S.NO.                                                         | TYPE. | SIZE      | SILL LVL. | LINTEL LVL. | NOS. | REMARK                                                                   |
| 1.                                                            | R5    | 2500x3000 | -         | 3000        | 02   | MS Rolling Shutter as/Spec                                               |
| 2.                                                            | D     | 2000x2500 | -         | 2500        | 01   | Aluminum Double Leaf Door Fully Glazed as/Spec                           |
| 3.                                                            | D1    | 2000x2500 | -         | 2500        | 01   | Double Leaf Side Hung Steel Door as/Spec                                 |
| 4.                                                            | D2    | 1800x2500 | -         | 2500        | 01   | Double Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec                |
| 5.                                                            | D3    | 1000x2500 | -         | 2500        | 02   | Single Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec                |
| 6.                                                            | D4    | 1500x2500 | -         | 2500        | 01   | Double Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec                |
| 7.                                                            | D5    | 1800x2500 | -         | 2500        | 01   | Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec |
| 8.                                                            | D6    | 1000x2500 | -         | 2500        | 01   | Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec |
| 9.                                                            | D7    | 1000x2100 | -         | 2100        | 01   | Wooden Type Flush Door as/Spec                                           |
| 10.                                                           | D8    | 750x2100  | -         | 2100        | 01   | Wooden Type Flush Door as/Spec                                           |
| 11.                                                           | D9    | 1000x2500 | -         | 2500        | 01   | Aluminum Double Leaf Door Fully Glazed as/Spec                           |
| 12.                                                           | W     | 2400x1500 | 1000      | 2500        | 09   | Aluminum Glazed Fix And Sliding Window as/Spec                           |
| 13.                                                           | W1    | 1800x1500 | 1000      | 2500        | 06   | Aluminum Glazed Fix And Sliding Window as/Spec                           |
| 14.                                                           | V     | 750x600   | 1900      | 2500        | 01   | Aluminum Frame Ventilator as/Spec                                        |
| 15.                                                           | VF    | 450x450   | 3000      | 3450        | 09   | Wall Opening                                                             |
| 16.                                                           | EF1   | 300x300   | 3000      | 3300        | 01   | Wall Opening                                                             |

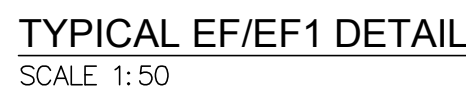
REFERENCE DRG. :-

- TB-1-375-607-658 (Foundation Layout Plan & Column Schedule Control Room For GIS)
- TB-1-375-607-667 (Door Window Detail For Control Room For GIS)
- TB-1-375-607-666 (Toilet Detail With Plumbing And Drainage For Control Room For GIS)
- TB-1-375-607-657 (Miscellaneous Detail For Control Room For GIS)
- TB-1-375-607-656 (Finishing Schedule For Control Room For GIS)
- TB-1-375-607-655 (Terrace Plan For Control Room For GIS)
- TB-1-375-607-654 (Sections For Control Room For GIS)
- TB-1-375-607-653 (Elevations For Control Room For GIS)
- TB-1-375-607-652 (First Floor Plan For Control Room For GIS)
- REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS

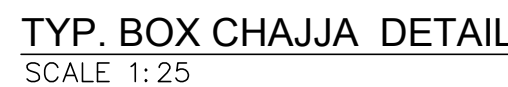
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|--|-------------------------------------------------------|----|------|------|
|  | GUJARAT STATE ELECTRICITY CORPORATION LIMITED         |    |      |      |
|  | VADODARA, GUJARAT                                     |    |      |      |
|  | 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8 |    |      |      |
|  | DEVELOPMENT CONSULTANTS PVT. LTD.                     |    |      |      |
|  | CONSULTING ENGINEERS                                  |    |      |      |
|  | KOLKATA · MUMBAI · CHENNAI · NEW DELHI                |    |      |      |
|  | BHARAT HEAVY ELECTRICALS LTD.                         |    |      | NAME |
|  | DRN.                                                  | SP | SIGN | DATE |
|  | CHD.                                                  | SK |      |      |
|  | APPD.                                                 |    |      | AM   |
|  |                                                       |    |      |      |

|                                                    |         |                 |                  |     |   |
|----------------------------------------------------|---------|-----------------|------------------|-----|---|
| TITLE : GROUND FLOOR PLAN FOR CONTROL ROOM FOR GIS |         |                 |                  |     |   |
| UNIT :                                             | SCALE : | BHEL DWG. NO. : | TB-1-375-607-651 | REV | 1 |
|                                                    | 1:100   |                 |                  |     |   |

| REV. | STATUS | TYPE | REASONS FOR REVISION                 | DRAWN | CHECKED | APPROVED | DATE     |
|------|--------|------|--------------------------------------|-------|---------|----------|----------|
| 01   |        |      | 2nd SUBMISSION AS PER GSECL COMMENTS | SP    | SK      | AM       | 18.07.16 |
| 00   |        |      | FIRST SUBMISSION                     | SP    | SK      | AM       | 25.05.16 |



SCALE 1:100



SCALE 1:25

|           |                                      |
|-----------|--------------------------------------|
| RL        | REDUCED LEVEL                        |
| FGL       | FINISHED GROUND LEVEL                |
| TRL       | TOP OF ROAD                          |
| FFL       | FINISHED FLOOR LEVEL                 |
| BOB       | BOTTOM OF BEAM                       |
| TOC       | TOP OF CONCRETE                      |
| TOP       | TOP OF PARAPET WALL                  |
| PCC       | PLAIN CEMENT CONCRETE                |
| TRL       | TOP OF ROAD                          |
| AC+FC     | AIR COND. AND FALSE CEILING          |
| NON AC+FC | WITH OUT AIR COND. AND FALSE CEILING |
| UDI       | UNDER DECK INSULATION                |
| BFC       | BOTTOM OF FALSE CEILING              |
| DPC       | DAMP PROOF COURSE                    |
| WPC       | WATER PROOF COURSE                   |
| D         | DOOR                                 |
| W         | WINDOW                               |
| EF        | EXHAUST FAN                          |
| VF        | VENTILATOR FAN                       |
| WB        | WASH BASIN                           |
| SD        | SLIDING (WINDOW)                     |

|      |        |      |                                      |       |         |          |         |
|------|--------|------|--------------------------------------|-------|---------|----------|---------|
|      |        |      |                                      |       |         |          |         |
| 01   |        |      | 2nd SUBMISSION AS PER GSECL COMMENTS | SP    | SK      | AM       | 18.07.1 |
| 00   |        |      | FIRST SUBMISSION                     | SP    | SK      | AM       | 25.05.1 |
| REV. | STATUS | TYPE | REASONS FOR REVISION                 | DRAWN | CHECKED | APPROVED | DATE    |

REFERENCE DRG.

- | S.NO. | TYPE. | SIZE      | SILL LVL. | LINTEL LVL. | NOS. | REMARK                                                                                                         |
|-------|-------|-----------|-----------|-------------|------|----------------------------------------------------------------------------------------------------------------|
| 1.    | D7    | 1000x2100 | —         | 2100        | 03   | Wooden Type Flush Door as/Spec                                                                                 |
|       | D7a   | 750x2100  | —         | 2100        | 01   | Wooden Type Flush Door as/Spec                                                                                 |
| 2.    | D8    | 1800x2500 | —         | 2500        | 01   | Aluminum Double Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing) |
| 3.    |       |           |           |             |      |                                                                                                                |
| 4.    | D9    | 1500x2500 | —         | 2500        | 01   | Aluminum Double Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing) |
| 5.    | D10   | 1000x2500 | —         | 2500        | 03   | Aluminum Single Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing) |
| 6.    | D11   | 1000x2500 | —         | 2500        | 03   | Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec                                       |
| 7.    | D12   | 1000x2500 | —         | 2500        | 01   | Aluminum Single Leaf Shutter Door With Air Lock Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing)     |
|       | W1    | 1800x1500 | 1000      | 2500        | 03   | Aluminum Glazed Fix And Sliding Window as/Spec                                                                 |
|       | W1a   | 1800x1500 | 1000      | 2500        | 01   | Aluminum Glazed Fix Glass Window as/Spec                                                                       |
|       | W2    | 2400x1500 | 1000      | 2500        | 06   | Aluminum Double Glazed Fix And Sliding Window as/Spec (Hermetically Sealed Double Glazing)                     |
|       | W2a   | 2400x1500 | 1000      | 2500        | 04   | Aluminum Double Glazed Fix & Sliding Window With Toughened Glass as/Spec (Hermetically Sealed Double Glazing)  |
|       | W3    | 1800x1500 | 1000      | 2500        | 01   | Aluminum Double Glazed Fix And Sliding Window as/Spec (Hermetically Sealed Double Glazing)                     |
|       | W3a   | 1800x1500 | 1000      | 2500        | 01   | Aluminum Double Glazed Fix & Sliding Window With Toughened Glass as/Spec (Hermetically Sealed Double Glazing)  |
|       | W4    | 1200x1400 | 1100      | 2500        | 01   | Aluminum Glazed Shutter Window as/Spec                                                                         |
|       | W5    | 1200x1400 | 1100      | 2500        | 01   | Aluminum Glazed Shutter Window as/Spec                                                                         |
|       | W6    | 1200x1225 | 2975      | 4200        | 01   | Aluminum Glazed Shutter Window as/Spec                                                                         |
|       | EF1   | 300x300   | 3000      | 3300        | 03   | Wall Opening                                                                                                   |
|       | V     | 750x600   | 1900      | 2500        | 02   | Aluminum Frame Ventilator as/Spec                                                                              |

|                                                                                   |                  |                                                                     |
|-----------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------|
| REFERENCE DRG.                                                                    | TB-1-375-607-667 | (Door Window Detail For Control Room For GIS)                       |
|                                                                                   | TB-1-375-607-666 | (Toilet Detail With Plumbing And Drainage For Control Room For GIS) |
|                                                                                   | TB-1-375-607-657 | (Miscellaneous Detail For Control Room For GIS)                     |
|                                                                                   | TB-1-375-607-656 | (Finishing Schedule For Control Room For GIS)                       |
|                                                                                   | TB-1-375-607-655 | (Terrace Plan For Control Room For GIS)                             |
|                                                                                   | TB-1-375-607-654 | (Sections For Control Room For GIS)                                 |
|                                                                                   | TB-1-375-607-653 | (Elevations For Control Room For GIS)                               |
| REF:TB-0-375-316-002-Lay-out Plan and Section drawing of 400kV Switchyard for GIS |                  |                                                                     |

REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS

|  | <p align="center"><b>GUJARAT STATE ELECTRICITY CORPORATION LIMITED</b><br/> <b>VADODARA, GUJARAT</b><br/> <b>1x800 MW Wanakbori Thermal Power Station Extn. Unit-8</b></p> |                                                                                                                                                                                                                                                                        |      |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|----|--|--|------|----|--|--|-------|----|--|--|--|--|
|  | <p align="center"><b>DEVELOPMENT CONSULTANTS PVT. LTD.</b><br/> <b>CONSULTING ENGINEERS</b><br/>         KOLKATA • MUMBAI • CHENNAI • NEW DELHI</p>                        |                                                                                                                                                                                                                                                                        |      |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |
|  | <p align="center"><b>BHARAT HEAVY ELECTRICALS LTD.</b></p>                                                                                                                 | <table border="1"> <tr> <th></th> <th>NAME</th> <th>SIGN</th> <th>DATE</th> </tr> <tr> <td>DRN.</td> <td>SP</td> <td></td> <td></td> </tr> <tr> <td>CHD.</td> <td>SK</td> <td></td> <td></td> </tr> <tr> <td>APPD.</td> <td>AM</td> <td></td> <td></td> </tr> </table> |      | NAME | SIGN | DATE | DRN. | SP |  |  | CHD. | SK |  |  | APPD. | AM |  |  |  |  |
|                                                                                       | NAME                                                                                                                                                                       | SIGN                                                                                                                                                                                                                                                                   | DATE |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |
| DRN.                                                                                  | SP                                                                                                                                                                         |                                                                                                                                                                                                                                                                        |      |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |
| CHD.                                                                                  | SK                                                                                                                                                                         |                                                                                                                                                                                                                                                                        |      |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |
| APPD.                                                                                 | AM                                                                                                                                                                         |                                                                                                                                                                                                                                                                        |      |      |      |      |      |    |  |  |      |    |  |  |       |    |  |  |  |  |

TITLE : FIRST FLOOR PLAN FOR CONTROL ROOM FOR GIS

|        |         |                  |     |
|--------|---------|------------------|-----|
| UNIT : | SCALE : | BHEL DWG. NO. :  | REV |
|        | 1:100   | TB-1-375-607-652 | 1   |



1. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
3. ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
4. FGL OF THE SITE HAS BEEN CONSIDERED AS FGL  $\pm 0.00 = RL\ 72.00M$ . LEVEL a.m.s.l.
5. ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
8. FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
10. DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
11. THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
12. ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
13. HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
14. CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
15. MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
16. BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
17. DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.



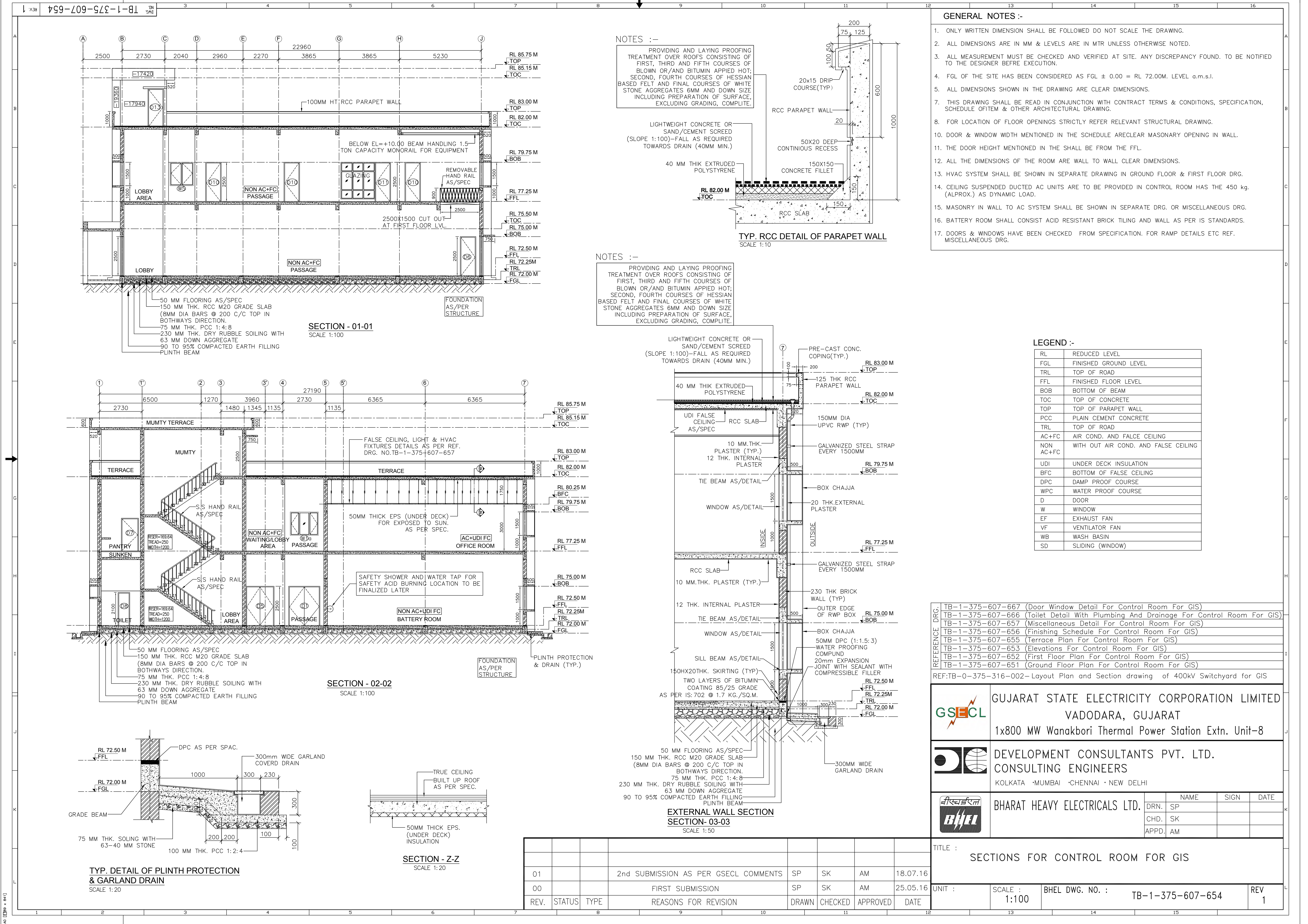
|           |                                      |
|-----------|--------------------------------------|
| RL        | REDUCED LEVEL                        |
| FGL       | FINISHED GROUND LEVEL                |
| TRL       | TOP OF ROAD                          |
| FFL       | FINISHED FLOOR LEVEL                 |
| BOB       | BOTTOM OF BEAM                       |
| TOC       | TOP OF CONCRETE                      |
| TOP       | TOP OF PARAPET WALL                  |
| PCC       | PLAIN CEMENT CONCRETE                |
| TRL       | TOP OF ROAD                          |
| AC+FC     | AIR COND. AND FALSE CEILING          |
| NON AC+FC | WITH OUT AIR COND. AND FALSE CEILING |
| UDI       | UNDER DECK INSULATION                |
| BFC       | BOTTOM OF FALSE CEILING              |
| DPC       | DAMP PROOF COURSE                    |
| WPC       | WATER PROOF COURSE                   |
| D         | DOOR                                 |
| W         | WINDOW                               |
| EF        | EXHAUST FAN                          |
| VF        | VENTILATOR FAN                       |
| WB        | WASH BASIN                           |
| SD        | SLIDING (WINDOW)                     |

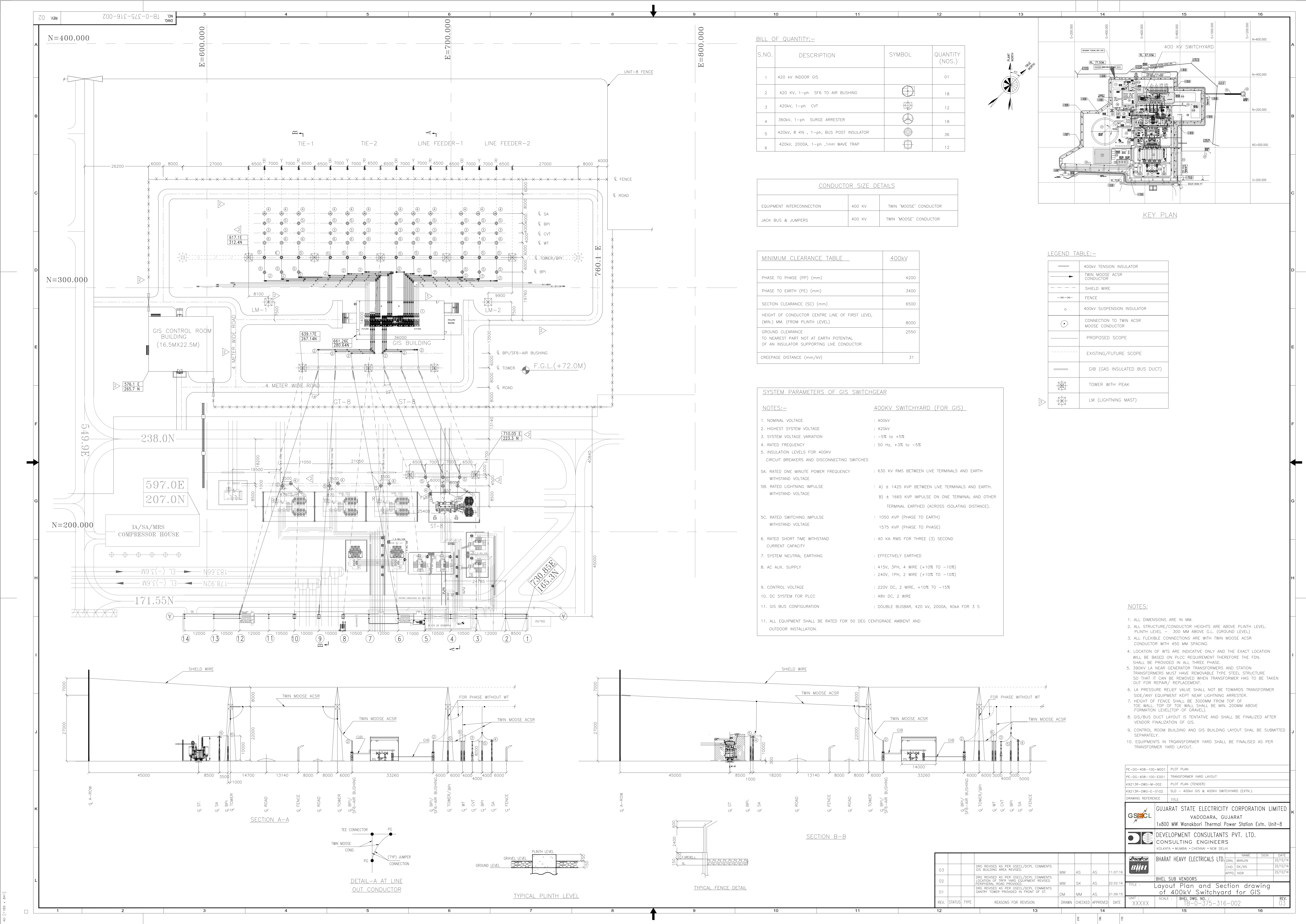
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|      |        |      |                                      |       |         |          |          |
| 01   |        |      | 2nd SUBMISSION AS PER GSECL COMMENTS | SP    | SK      | AM       | 18.07.16 |
| 00   |        |      | FIRST SUBMISSION                     | SP    | SK      | AM       | 25.05.16 |
| REV. | STATUS | TYPE | REASONS FOR REVISION                 | DRAWN | CHECKED | APPROVED | DATE     |

|                                                                                  |                  |                                                                   |
|----------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------|
| REFERENCE DRC                                                                    | TB-1-375-607-667 | Door Window Detail For Control Room For GIS                       |
|                                                                                  | TB-1-375-607-666 | Toilet Detail With Plumbing And Drainage For Control Room For GIS |
|                                                                                  | TB-1-375-607-657 | Miscellaneous Detail For Control Room For GIS                     |
|                                                                                  | TB-1-375-607-656 | Finishing Schedule For Control Room For GIS                       |
|                                                                                  | TB-1-375-607-655 | Terrace Plan For Control Room For GIS                             |
|                                                                                  | TB-1-375-607-654 | Sections For Control Room For GIS                                 |
|                                                                                  | TB-1-375-607-652 | First Floor Plan For Control Room For GIS                         |
|                                                                                  | TB-1-375-607-651 | Ground Floor Plan For Control Room For GIS                        |
| REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS |                  |                                                                   |

|                                                                                       |                                                                                                                             |                                                                                                                                                                       |      |    |      |      |      |    |       |    |  |  |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------|------|------|----|-------|----|--|--|
|  | GUJARAT STATE ELECTRICITY CORPORATION LIMITED<br>VADODARA, GUJARAT<br>1x800 MW Wanakbori Thermal Power Station Extn. Unit-8 |                                                                                                                                                                       |      |    |      |      |      |    |       |    |  |  |
|  | DEVELOPMENT CONSULTANTS PVT. LTD.<br>CONSULTING ENGINEERS<br>KOLKATA · MUMBAI · CHENNAI · NEW DELHI                         |                                                                                                                                                                       |      |    |      |      |      |    |       |    |  |  |
|  | BHARAT HEAVY ELECTRICALS LTD.                                                                                               | <table><tr><td>DRN.</td><td>SP</td><td rowspan="3">SIGN</td><td rowspan="3">DATE</td></tr><tr><td>CHD.</td><td>SK</td></tr><tr><td>APPD.</td><td>AM</td></tr></table> | DRN. | SP | SIGN | DATE | CHD. | SK | APPD. | AM |  |  |
| DRN.                                                                                  | SP                                                                                                                          | SIGN                                                                                                                                                                  | DATE |    |      |      |      |    |       |    |  |  |
| CHD.                                                                                  | SK                                                                                                                          |                                                                                                                                                                       |      |    |      |      |      |    |       |    |  |  |
| APPD.                                                                                 | AM                                                                                                                          |                                                                                                                                                                       |      |    |      |      |      |    |       |    |  |  |

|                                                |                  |                                     |          |
|------------------------------------------------|------------------|-------------------------------------|----------|
| TITLE :<br>ELEVATIONS FOR CONTROL ROOM FOR GIS |                  |                                     |          |
| UNIT :                                         | SCALE :<br>1:100 | BHEL DWG. NO. :<br>TB-1-375-607-653 | REV<br>1 |





BILL OF QUANTITY:-

| S.NO. | DESCRIPTION                            | SYMBOL | QUANTITY (NOS.) |
|-------|----------------------------------------|--------|-----------------|
| 1     | 420 kV INDOOR GIS                      |        | 01              |
| 2     | 420 kV, 1-ph SF6 TO AIR BUSHING        |        | 18              |
| 3     | 420kV, 1-ph CVT                        |        | 12              |
| 4     | 360kV, 1-ph SURGE ARRESTER             |        | 18              |
| 5     | 420kV, 8 KN , 1-ph, BUS POST INSULATOR |        | 36              |
| 6     | 420kV, 2000A, 1-ph ,1mH WAVE TRAP      |        | 12              |

CONDUCTOR SIZE DETAILS

|                           |        |                        |
|---------------------------|--------|------------------------|
| EQUIPMENT INTERCONNECTION | 400 kV | TWIN 'MOOSE' CONDUCTOR |
| JACK BUS & JUMPERS        | 400 kV | TWIN 'MOOSE' CONDUCTOR |

MINIMUM CLEARANCE TABLE 400kV

|                                                                                                   |      |
|---------------------------------------------------------------------------------------------------|------|
| PHASE TO PHASE (PP) (mm)                                                                          | 4200 |
| PHASE TO EARTH (PE) (mm)                                                                          | 3400 |
| SECTION CLEARANCE (SC) (mm)                                                                       | 6500 |
| HEIGHT OF CONDUCTOR CENTRE LINE OF FIRST LEVEL (MIN.) MM. (FROM PLINTH LEVEL)                     | 8000 |
| GROUND CLEARANCE TO NEAREST PART NOT AT EARTH POTENTIAL OF AN INSULATOR SUPPORTING LIVE CONDUCTOR | 2550 |
| CREEPAGE DISTANCE (mm/kV)                                                                         | 31   |

SYSTEM PARAMETERS OF GIS SWITCHGEAR

NOTES:-

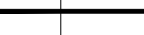
|                                                                                          |                                                                                                                                                 |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. NOMINAL VOLTAGE                                                                       | : 400kV                                                                                                                                         |
| 2. HIGHEST SYSTEM VOLTAGE                                                                | : 420kV                                                                                                                                         |
| 3. SYSTEM VOLTAGE VARIATION                                                              | : -5% to +5%                                                                                                                                    |
| 4. RATED FREQUENCY                                                                       | : 50 Hz, +3% to -5%                                                                                                                             |
| 5. INSULATION LEVELS FOR 400KV                                                           |                                                                                                                                                 |
| CIRCUIT BREAKERS AND DISCONNECTING SWITCHES                                              |                                                                                                                                                 |
| 5A. RATED ONE MINUTE POWER FREQUENCY WITHSTAND VOLTAGE                                   | : 630 kV RMS BETWEEN LIVE TERMINALS AND EARTH                                                                                                   |
| 5B. RATED LIGHTNING IMPULSE WITHSTAND VOLTAGE                                            | : A) ± 1425 KVP BETWEEN LIVE TERMINALS AND EARTH, B) ± 1665 KVP IMPULSE ON ONE TERMINAL AND OTHER TERMINAL EARTHED (ACROSS ISOLATING DISTANCE). |
| 5C. RATED SWITCHING IMPULSE WITHSTAND VOLTAGE                                            | : 1050 KVP (PHASE TO EARTH) 1575 KVP (PHASE TO PHASE)                                                                                           |
| 6. RATED SHORT TIME WITHSTAND CURRENT CAPACITY                                           | : 40 KA RMS FOR THREE (3) SECOND                                                                                                                |
| 7. SYSTEM NEUTRAL EARTHING                                                               | : EFFECTIVELY EARTHED                                                                                                                           |
| 8. AC AUX. SUPPLY                                                                        | : 415V, 3PH, 4 WIRE (+10% to -10%) 240V, 1PH, 2 WIRE (+10% to -10%)                                                                             |
| 9. CONTROL VOLTAGE                                                                       | : 220V DC, 2 WIRE, +10% to -15%                                                                                                                 |
| 10. DC SYSTEM FOR PLC                                                                    | : 48V DC, 2 WIRE                                                                                                                                |
| 11. GIS BUS CONFIGURATION                                                                | : DOUBLE BUSBAR, 420 kV, 2000A, 40KA FOR 3 S                                                                                                    |
| 11. ALL EQUIPMENT SHALL BE RATED FOR 50 DEG CENTIGRADE AMBIENT AND OUTDOOR INSTALLATION. |                                                                                                                                                 |

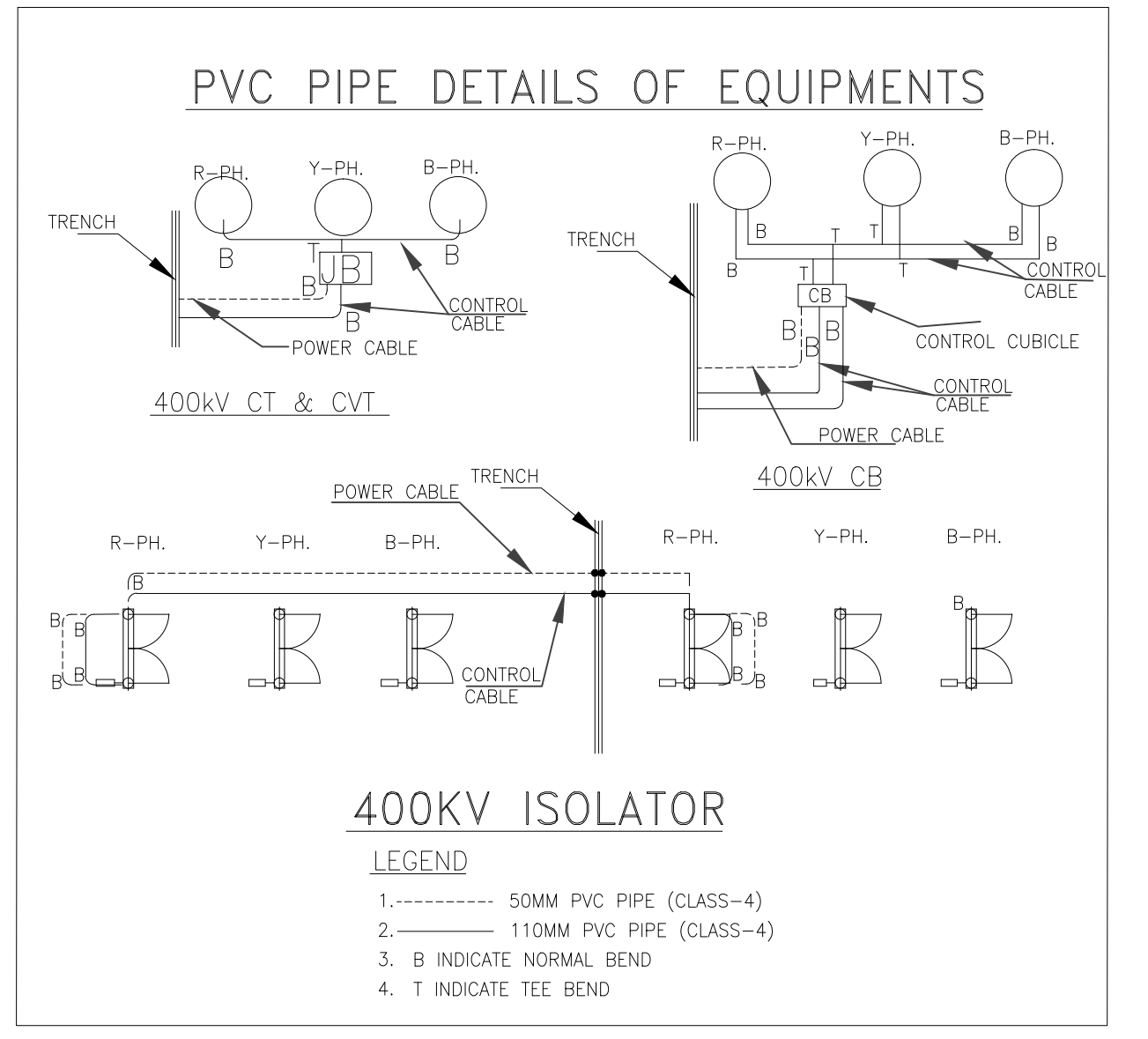
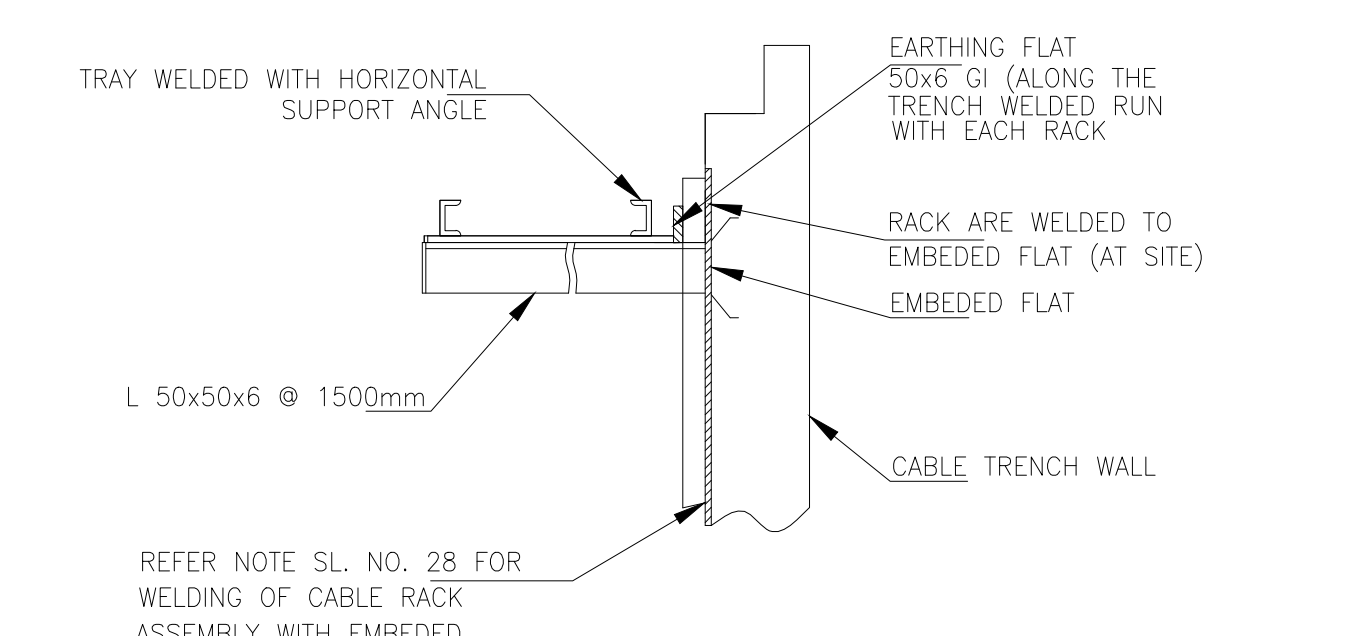
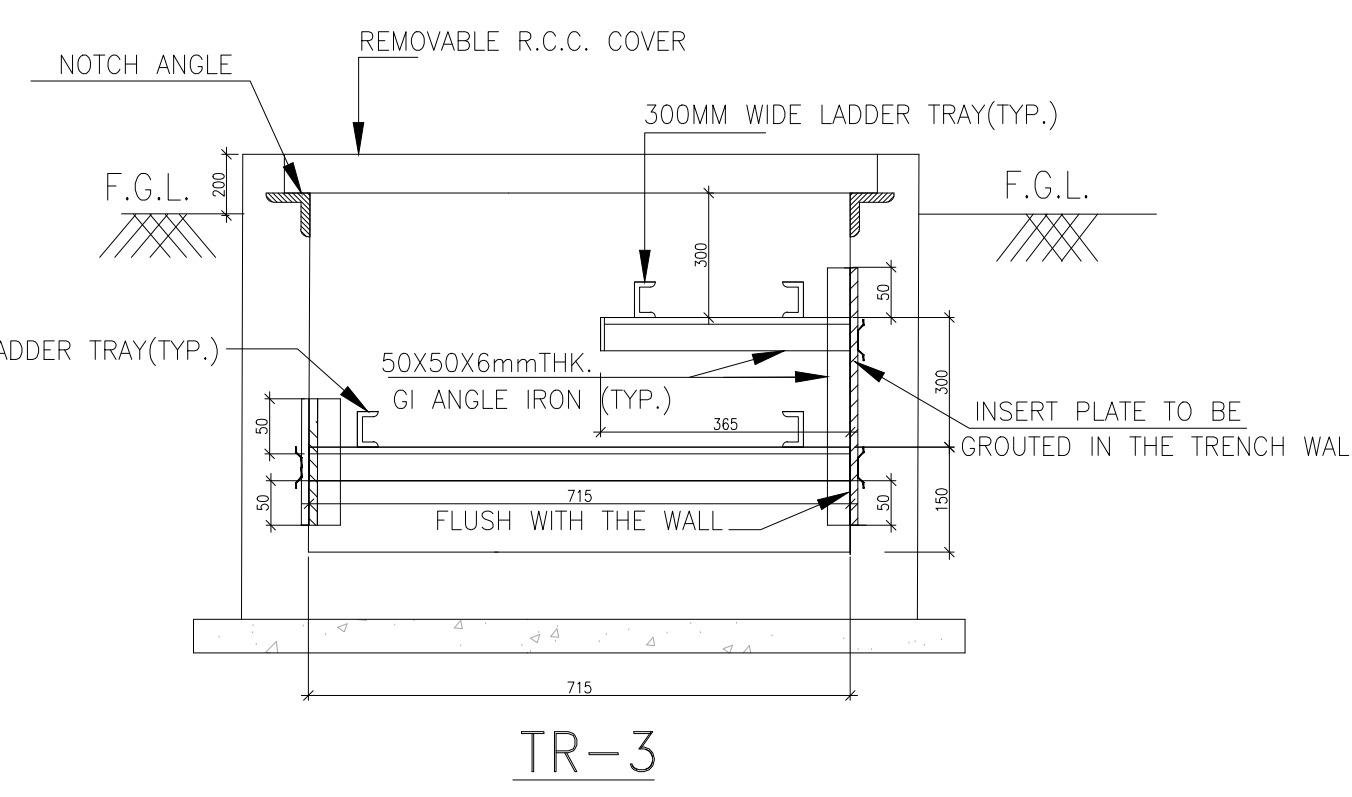
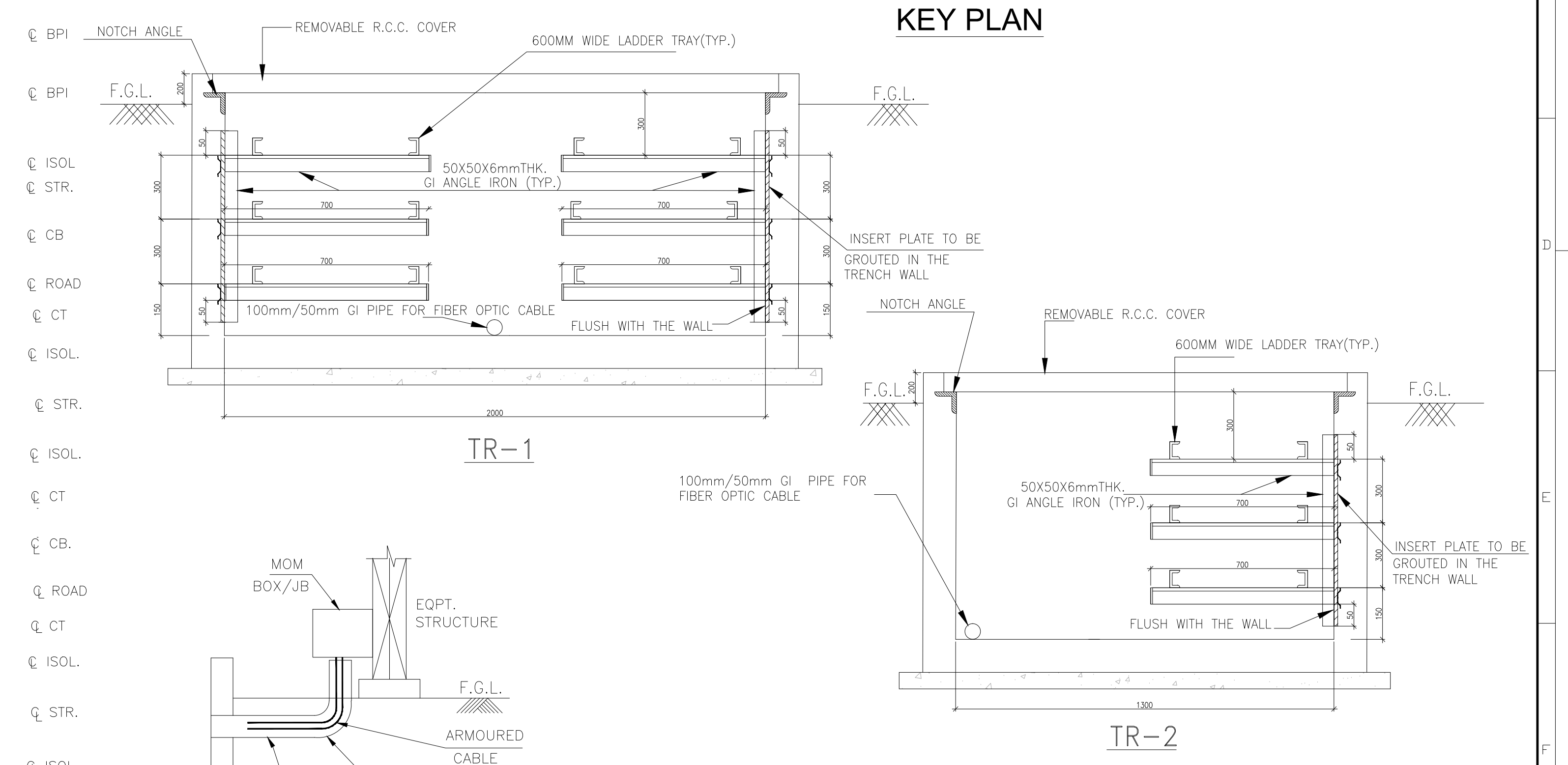
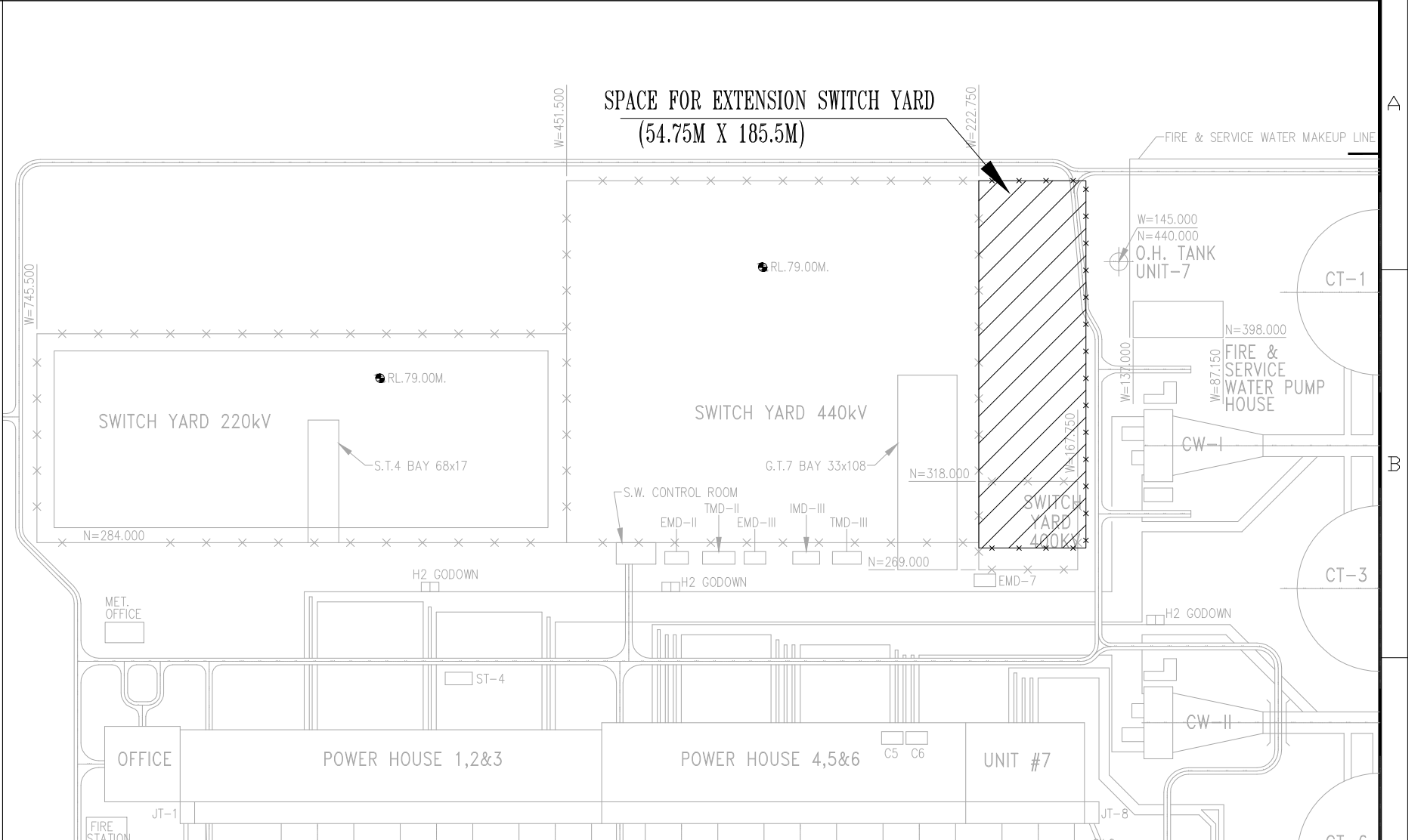
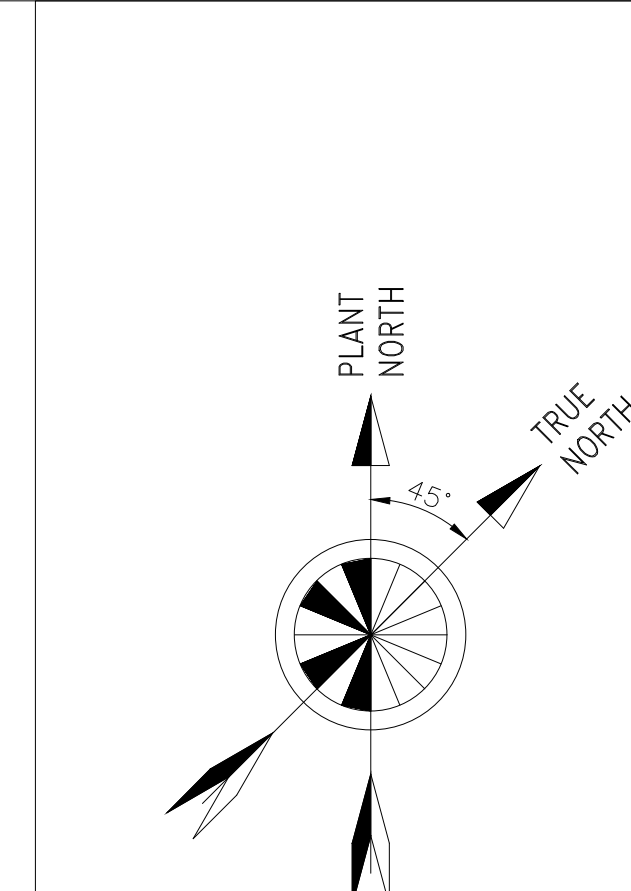
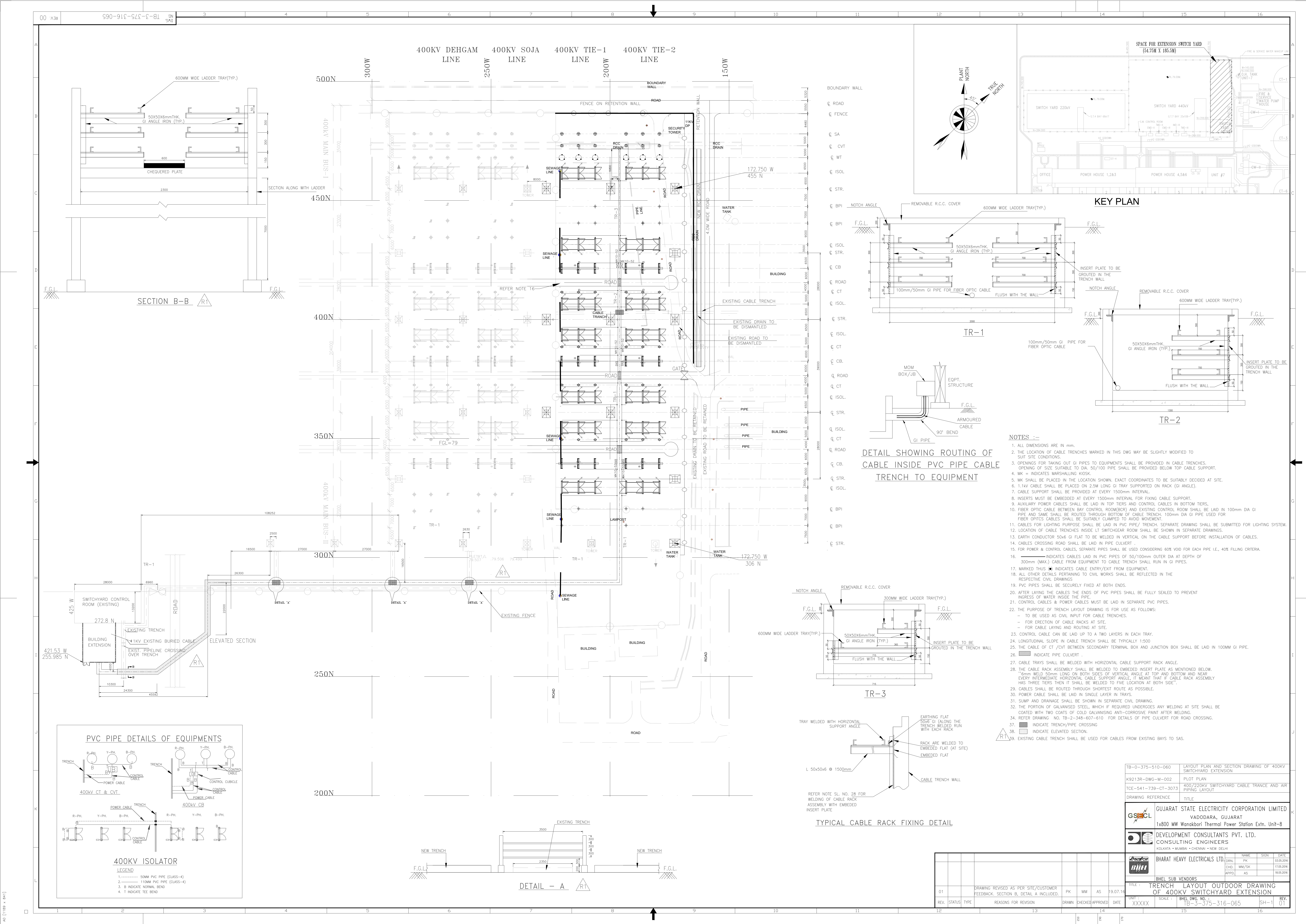
LEGEND TABLE:-

|  |                                         |
|--|-----------------------------------------|
|  | 400KV TENSION INSULATOR                 |
|  | TWIN MOOSE ACSR CONDUCTOR               |
|  | SHIELD WIRE                             |
|  | FENCE                                   |
|  | 400KV SUSPENSION INSULATOR              |
|  | CONNECTION TO TWIN ACSR MOOSE CONDUCTOR |
|  | PROPOSED SCOPE                          |
|  | EXISTING/FUTURE SCOPE                   |
|  | GIB (GAS INSULATED BUS DUCT)            |
|  | TOWER WITH PEAK                         |
|  | LM (LIGHTNING MAST)                     |

- NOTES:
- ALL DIMENSIONS ARE IN MM.
  - ALL STRUCTURE/CONDUCTOR HEIGHTS ARE ABOVE PLINTH LEVEL. PLINTH LEVEL - 300 MM ABOVE G.L. (GROUND LEVEL)
  - ALL FLEXIBLE CONNECTIONS ARE WITH TWIN MOOSE ACSR CONDUCTOR WITH 450 MM SPACING.
  - LOCATION OF WTS ARE INDICATIVE ONLY AND THE EXACT LOCATION WILL BE BASED ON PLC REQUIREMENT THEREFORE THE PDN SHALL BE PROVIDED IN ALL THREE PHASE.
  - 390KV LA NEAR GENERATOR TRANSFORMERS AND STATION TRANSFORMERS MUST HAVE REMOVABLE TYPE STEEL STRUCTURE SO THAT IT CAN BE REMOVED WHEN TRANSFORMER HAS TO BE TAKEN OUT FOR REPAIR/ REPLACEMENT.
  - LA PRESSURE RELIEF VALVE SHALL NOT BE TOWARDS TRANSFORMER SIDE/ANY EQUIPMENT KEPT NEAR LIGHTNING ARRESTER.
  - HEIGHT OF FENCE SHALL BE 300MM FROM TOP OF TOE WALL. TOP OF TOE WALL SHALL BE MIN. 200MM ABOVE FORMATION LEVEL(TOP OF GRAVEL).
  - GIS/BUS DUCT LAYOUT IS TENTATIVE AND SHALL BE FINALIZED AFTER VENDOR FINALIZATION OF GIS.
  - CONTROL ROOM BUILDING AND GIS BUILDING LAYOUT SHAL BE SUBMITTED SEPARATELY.
  - EQUIPMENTS IN TRANSFORMER YARD SHALL BE FINALISED AS PER TRANSFORMER YARD LAYOUT.

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| PE-DG-408-100-M001 | PLOT PLAN                                             |
| PE-DG-408-100-E001 | TRANSFORMER YARD LAYOUT                               |
| K9213R-DWG-M-002   | PLOT PLAN (TENDER)                                    |
| K9213R-DWG-E-0102  | SLD - 400KV GIS & 400KV SWITCHYARD (EXTN.)            |
| DRAWING REFERENCE  | TITLE                                                 |
|                    | GUJARAT STATE ELECTRICITY CORPORATION LIMITED         |
|                    | VADODARA, GUJARAT                                     |
|                    | 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8 |
|                    | DEVELOPMENT CONSULTANTS PVT. LTD.                     |
|                    | CONSULTING ENGINEERS                                  |
|                    | KOLKATA • MUMBAI • CHENNAI • NEW DELHI                |
|                    | BHARAT HEAVY ELECTRICALS LTD.                         |
|                    | NAME SIGN DATE                                        |
|                    | CHD SK/AS 22/12/14                                    |
|                    | APPD NSR 22/12/14                                     |

|      |        |                                                                                                              |                      |    |    |          |                                                                                       |                               |        |               |           |                                  |      |    |
|------|--------|--------------------------------------------------------------------------------------------------------------|----------------------|----|----|----------|---------------------------------------------------------------------------------------|-------------------------------|--------|---------------|-----------|----------------------------------|------|----|
|      |        |                                                                                                              |                      |    |    |          |  | BHARAT HEAVY ELECTRICALS LTD. |        |               | NAME      | SIGN                             | DATE |    |
|      |        |                                                                                                              |                      |    |    |          |                                                                                       | CHD.                          | MANJUN |               |           |                                  |      |    |
|      |        |                                                                                                              |                      |    |    |          |                                                                                       | CHD.                          | SK/AS  |               |           |                                  |      |    |
|      |        |                                                                                                              |                      |    |    |          |                                                                                       | APPRO.                        |        |               |           |                                  |      |    |
| 03   |        | DRG REVISED AS PER GSECL/DCPL COMMENTS. GIS BUILDING AREA REVISED.                                           | MM                   | AS | AS | 11.07.16 | BHEL SUB VENDORS                                                                      |                               |        |               |           |                                  |      |    |
| 02   |        | DRG REVISED AS PER GSECL/DCPL COMMENTS. LOCATION OF TRANSFORMER EQUIPMENT REVISED. PERIPHERAL ROAD PROVIDED. | MM                   | SK | AS | 22.02.16 | TITLE : Layout Plan and Section drawing of 400kV Switchyard for GIS                   |                               |        |               |           |                                  |      |    |
| 01   |        | DRG REVISED AS PER GSECL/DCPL COMMENTS. GANTRY TOWER PROVIDED IN FRONT OF ST.                                | DM                   | MM | AS | 21.09.15 |                                                                                       |                               |        |               |           |                                  |      |    |
| REV. | STATUS | TYPE                                                                                                         | REASONS FOR REVISION |    |    | DRAWN    | CHECKED                                                                               | APPROVED                      | DATE   | UNIT : XXXXXX | SCALE : 1 | BHEL DWG. NO. : TB-0-375-316-002 | REV. | 03 |



|                                                                     |                                                                                                                             |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| TB-0-375-510-060                                                    | LAYOUT PLAN AND SECTION DRAWING OF 400KV SWITCHYARD EXTENSION                                                               |
| K9213R-DWG-M-002                                                    | PLOT PLAN                                                                                                                   |
| TCE-541-739-CT-3073                                                 | 400/220KV SWITCHYARD CABLE TRANCE AND AIR PIPING LAYOUT                                                                     |
| DRAWING REFERENCE                                                   | TITLE                                                                                                                       |
|                                                                     | GUJARAT STATE ELECTRICITY CORPORATION LIMITED<br>VADODARA, GUJARAT<br>1x800 MW Wanakbori Thermal Power Station Extn. Unit-8 |
|                                                                     | DEVELOPMENT CONSULTANTS PVT. LTD.<br>CONSULTING ENGINEERS<br>KOLKATA • MUMBAI • CHENNAI • NEW DELHI                         |
|                                                                     | BHARAT HEAVY ELECTRICALS LTD.<br>NAME PK SIGN DATE<br>CHKD MM/5K 01.03.2016<br>APPROD AS 11.05.2016                         |
| BHCL SUB VENDORS                                                    |                                                                                                                             |
| TITLE : TRENCH LAYOUT OUTDOOR DRAWING OF 400KV SWITCHYARD EXTENSION |                                                                                                                             |
| REV. STATUS TYPE REASONS FOR REVISION                               | UNIT SCALE : BHCL DWG. NO. : TB-3-375-316-065 SH-1 REV. 01                                                                  |