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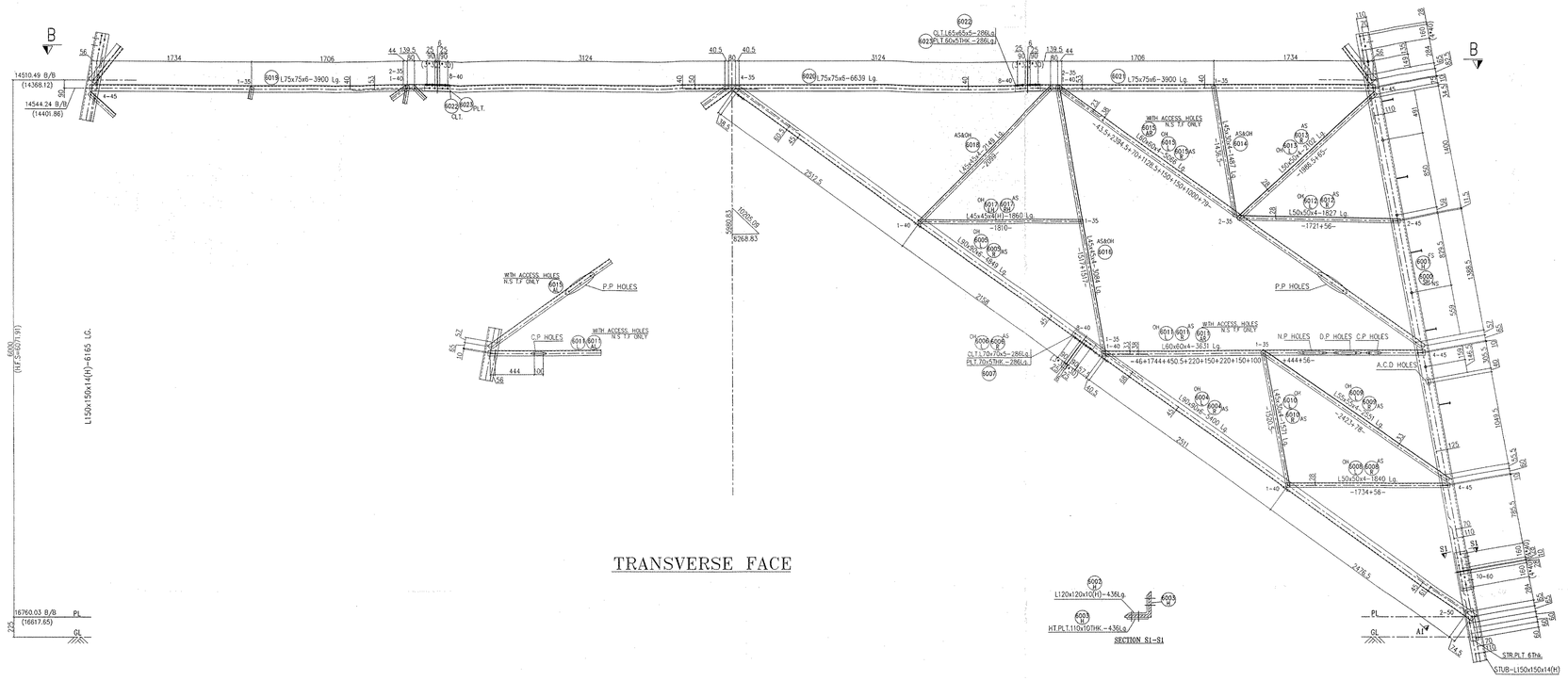
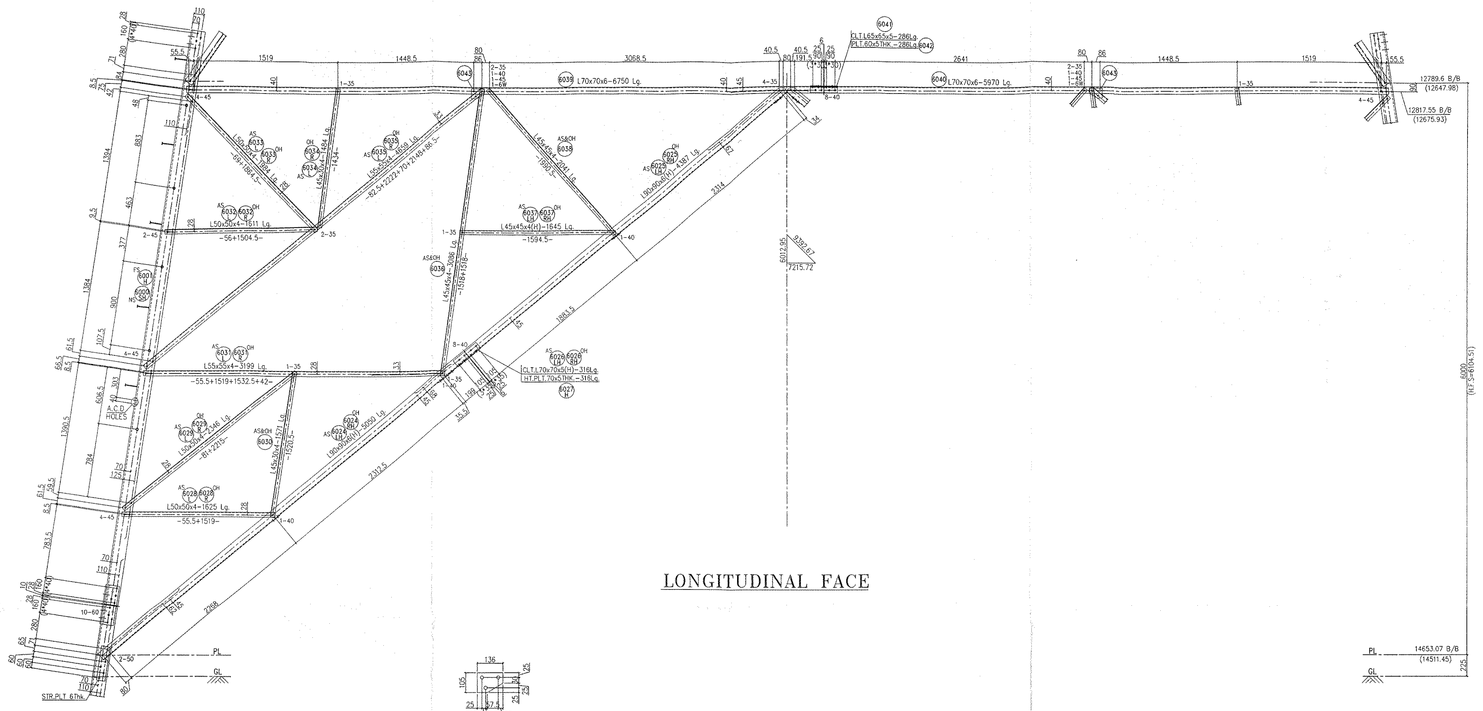
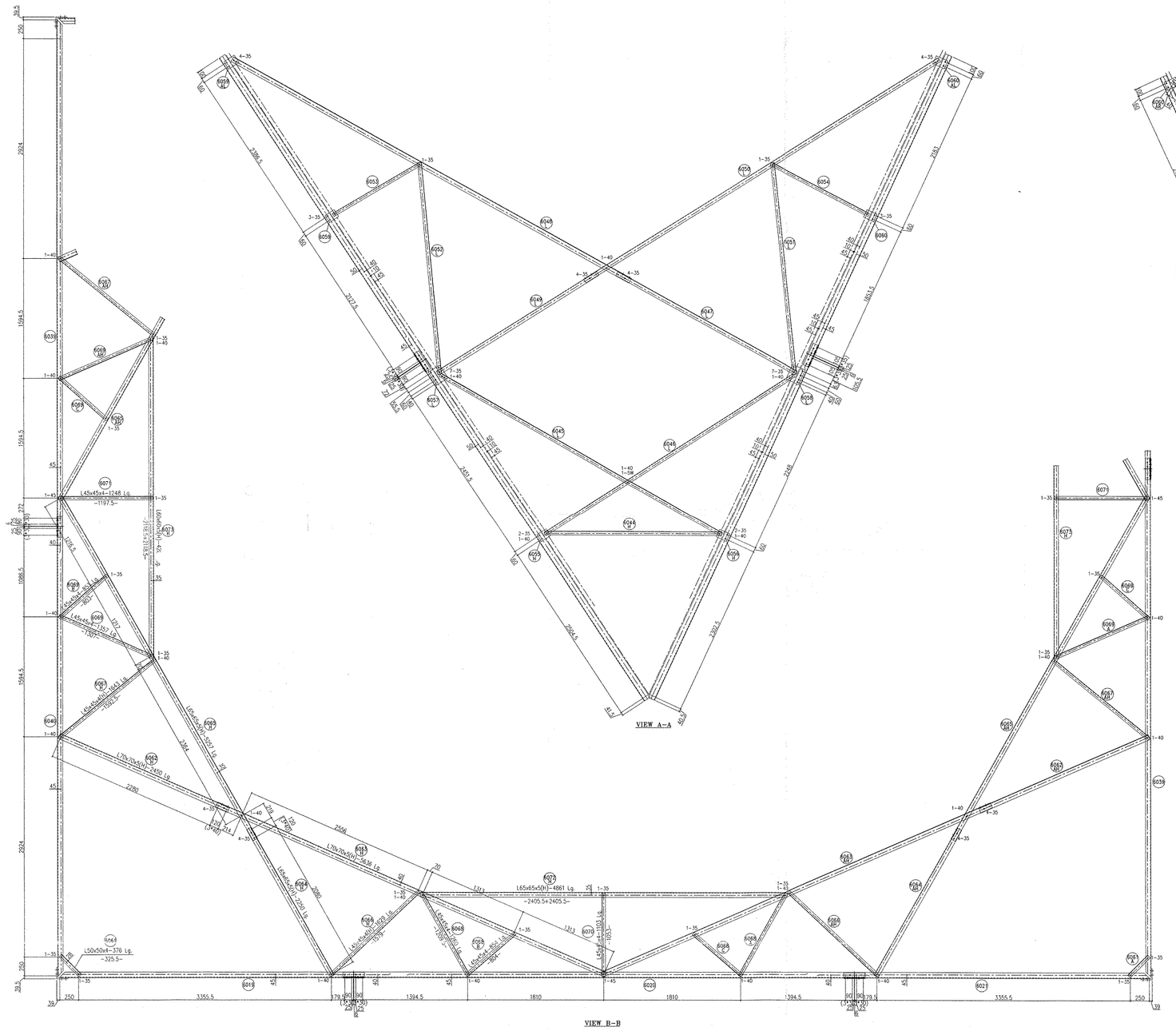


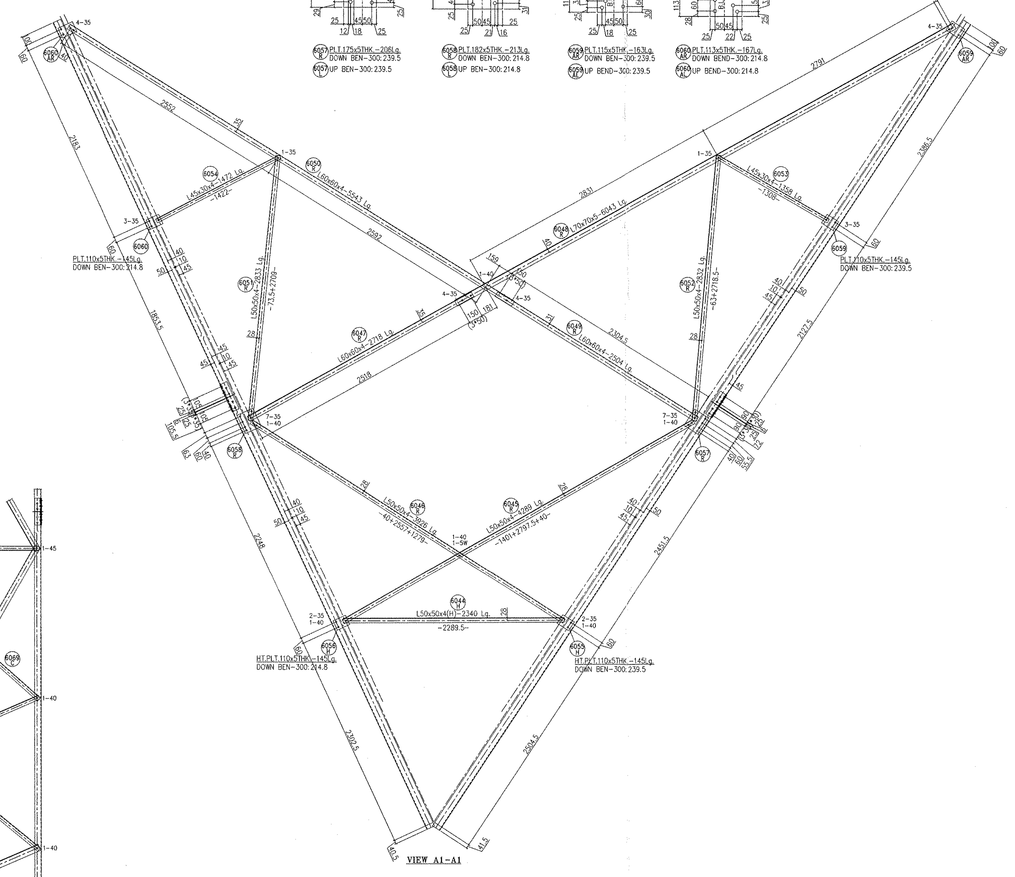
TRANSVERSE FACE



LONGITUDINAL FACE



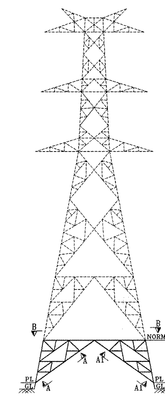
VIEW A–A



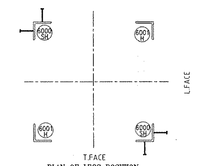
VIEW A1–A1



VIEW B–B



NORMAL TOWER



PLAN OF LEGS POSITION

| REQUIREMENT OF BOLTS, NUTS & WASHERS | | | |
|---|---|---|---|
| SIZE | QTY. | GRADE | REMARKS |
| 16ø x 35mm Lg. | 308 | 5.6 | BOLTS & NUTS |
| 16ø x 40mm Lg. | 196 | 5.6 | BOLTS & NUTS |
| 16ø x 45mm Lg. | 120 | 5.6 | BOLTS & NUTS |
| 16ø x 50mm Lg. | 16 | 5.6 | BOLTS & NUTS |
| 16ø x 60mm Lg. | 80 | 5.6 | BOLTS & NUTS |
| 16ø x 3.5 THK | 720 | – | SPRING WASHERS |
| 16ø x 175mm Lg. | 28 | – | STEP BOLTS |
| 16ø x 5 THK | 4 | – | PACK WASHERS |
| 16ø x 6 THK | 4 | – | PACK WASHERS |

NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
2. BOLT SYMBOLS 16ø = 17.5ø HOLES
   16ø = 17.5ø HOLES FOR STEP BOLTS
3. ALL ERECTION MARKS ARE TO BE PREFIXED WITH "77840A"
4. STRUCTURAL STEEL SHALL BE AS PER IS 2062-2011
   (i) MILD STEEL – GRADE E250 QUALITY A – UNLESS OTHERWISE SPECIFIED.
   (ii) "H" STANDS FOR HIGH TENSILE STEEL – GRADE E350 QUALITY A
5. BOLTS & NUTS SHALL CONFORM TO IS : 12427-2001 (R-2007) FOR DIMENSIONS AND IS : 1367 (PART 3)-2002 FOR MECHANICAL PROPERTIES
6. GALVANISING SHALL CONFORM TO IS:2629-1985 (R-2006) & IS:4759-1996 (R-2006)
7. SPRING WASHER SHALL BE CONFORM TO IS 3063-1994 (R-2004)
8. STEP BOLTS SHALL BE PROVIDED ON THE DIAGONALLY OPPOSITE LEGS.

**APPROVED**
Subject to the condition that you are not absolved of the responsibility of correctness of the materials supplied as per specification

Electrical Superintending Engineer
(Planning and Engineering)
Bihar State Power Transmission Company Limited
Vidyut Bhawan, Patna-800021

PART NO. 6000 TO 6073

| DATE | REV.NO. | DESCRIPTION | DESIGNED (STRUCTURAL) | CHECKED (STRUCTURAL) | DRAWN (DETAILING) | CHECKED (DETAILING) | APPROVED |
|---|---|---|---|---|---|---|---|
| 22.08.19 | 1 | SUBMISSION FOR APPROVAL AFTER PROTO | PB | RJR | MR | PVR/BSR | CSR |
| 05.04.19 | 0 | FIRST SUBMISSION FOR APPROVAL BEFORE PROTO | PB | RJR | MR | PVR/BSR | CSR |

REVISIONS

CLIENT: BIHAR STATE POWER TRANSMISSION CO.LTD., PATNA

SUPPLIER / CONTRACTOR: L&T Construction — Power Transmission & Distribution

PROJECT: PACKAGE - NIT 77 UNDER STATE PLAN [80:20], CONSTRUCTION OF :
(I) LILO OF BARH-PATNA 400 KV D/C ( QUAD) TL AT BAKHTIYARPUR (LINE LENGTH 10RKM),
(II) 220 KV D/C BAKHTIYARPUR - SHEIKHPURA TL (ACSR ZEBRA) (LINE LENGTH - 51 RKM)
(III) 220 KV D/C BAKHTIYARPUR -HATHIDAH TL (ACSR ZEBRA) (LINE LENGTH -52 RKM) AND
(IV) 220 KV D/C BAKHTIYARPUR – FATHUA TL (ACSR ZEBRA) (LINE LENGTH - 26 RKM)

JOB No.: O18089-T-TL

| | NAME | DATE |
|---|---|---|
| DSGN | PB | 10.03.19 |
| DRWN | MR | 20.03.19 |
| CHKD | PVR/BSR | 20.03.19 |
| APPD | CSR | 20.03.19 |

TITLE: G.A OF +6M BODY EXTN. FOR TOWER TYPE –"4DA" (0°–2°DEV) 400KV D/C QUAD ACSR MOOSE (WZ–4)

SCALE 1 : 30

SHEET NO. 1 OF 1

DRG. No. 0 1 8 0 8 9 - T - T L - 8 D - G A - 0 1 0 6

SIZE A0 REV. 1

RELEASED FOR: ☐ PRELIMINARY ☐ TENDER ☐ INFORMATION ☑ APPROVAL ☐ CONSTRUCTION