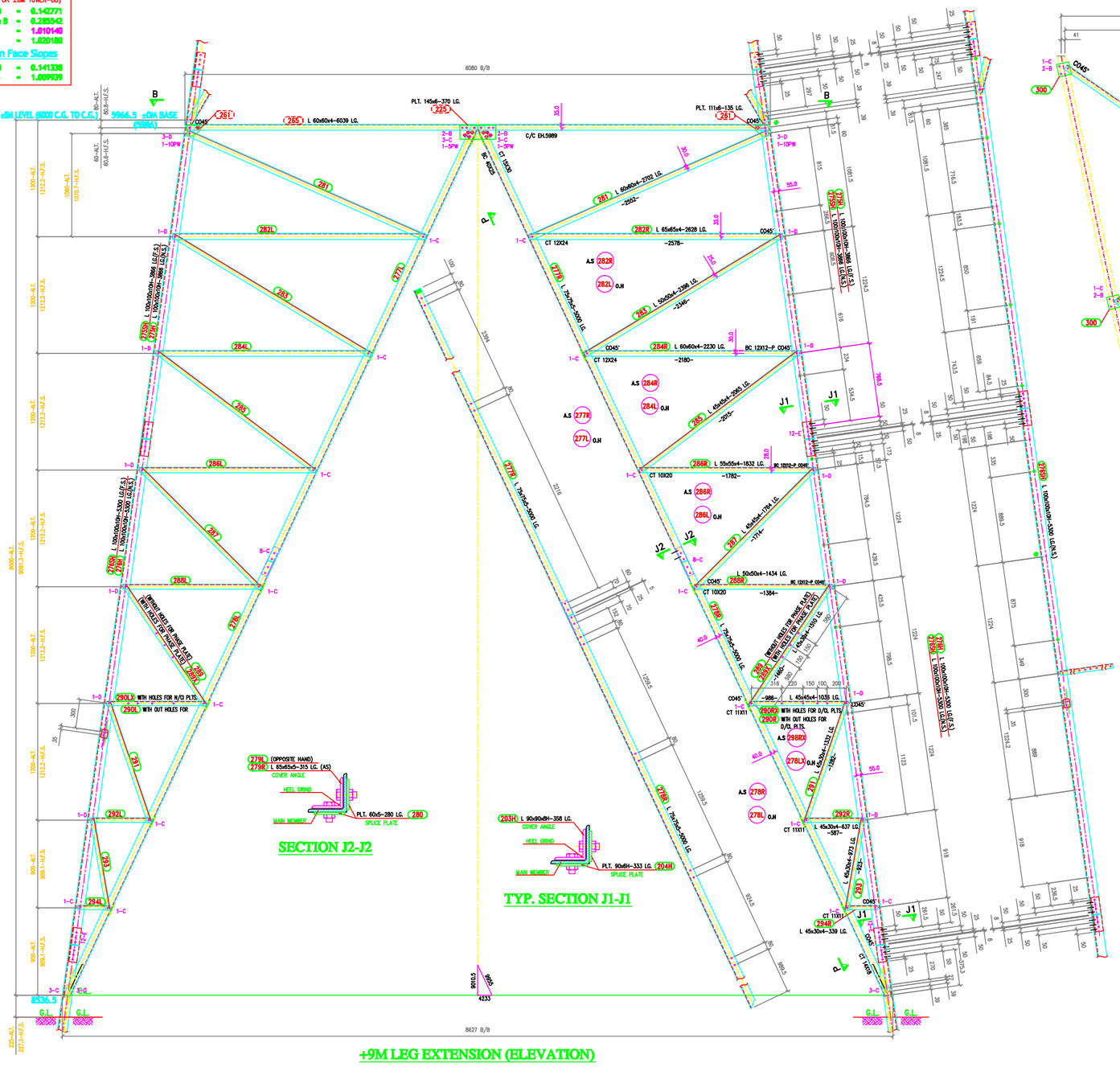
TOWER SLOPE
(FOR ±0M TOWER-DB)

Tan B	=	0.142771
2 Tan B	=	0.285542
Face	=	1.810140
Dev	=	1.020180

In Face Slopes

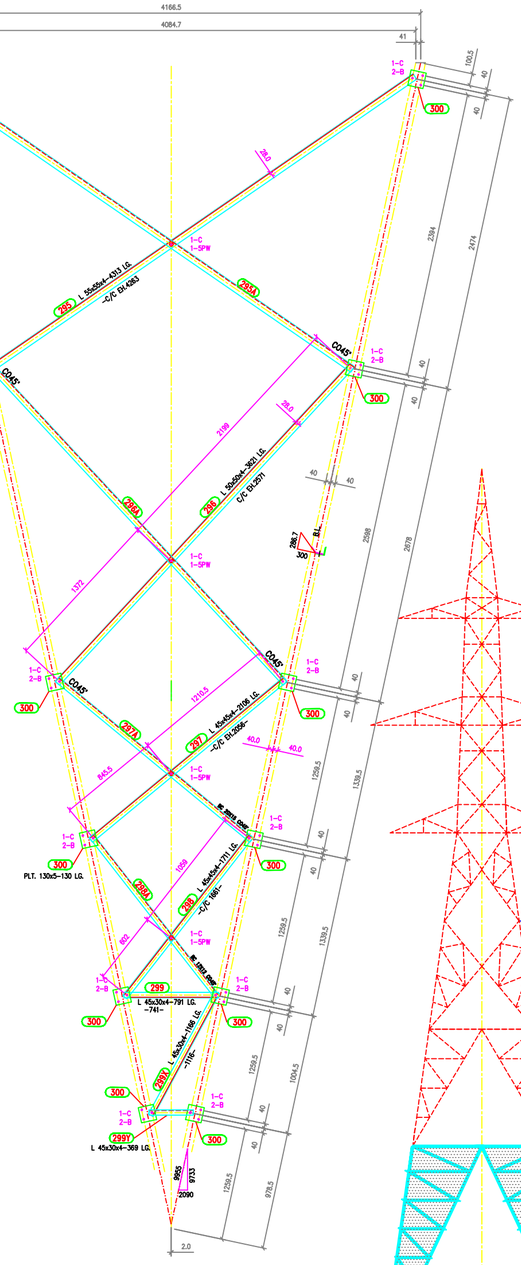
Tan B	=	0.141338
Sec B	=	1.009939



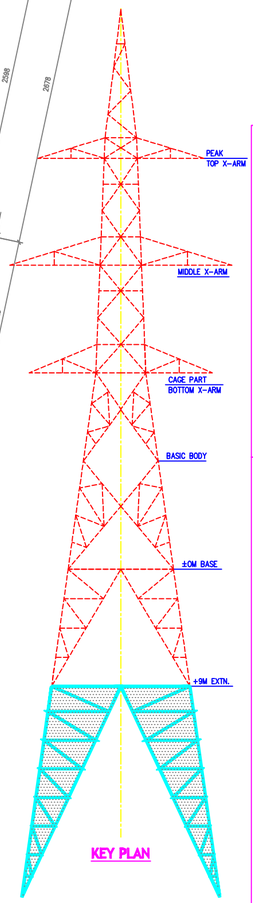
+9M LEG EXTENSION (ELEVATION)

SECTION J2-J2

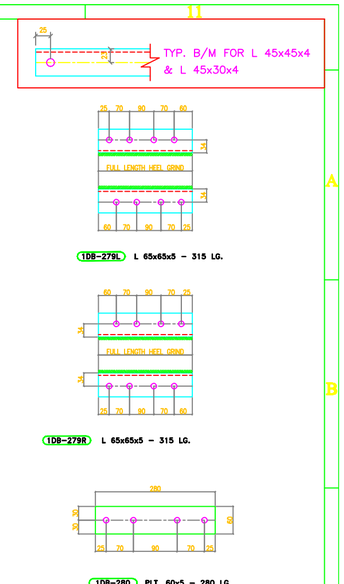
TYP. SECTION J1-J1



VIEW AT P-P



KEY PLAN



BOLTS AND NUTS STATEMENT:

TYPE	SIZE (IN mm)	QUANTITY +9M EXTN.	PLAN B-B	
B	ø16mm x 35mm	30	1	–
C	ø16mm x 40mm	59	5	–
D	ø16mm x 45mm	19	1	–
E	ø16mm x 50mm	24	–	–
F	ø16mm x 55mm	–	–	–
G	ø16mm x 60mm	–	–	–
H	ø16mm x 65mm	–	–	–
J	ø16mm x 70mm	–	–	–
K	ø16mm x 75mm	–	–	–
L	ø16mm x 80mm	–	–	–
SPRING WASHERS		132	7	–
30 O.D. PACKING WASHERS ø17.5mm				
5 mm		8	1	–
6 mm		–	–	–
8 mm		–	–	–
10 mm		2	–	–
STEP BOLTS ø 16mm x 175mm		9	–	–

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
2. MILD STEEL BOLTS & NUTS TO I.S 6639/12427/4.6/5.6 QLTY.
3. ALL MILD STEEL BOLTS & NUTS ARE TO BE HOT DIP GALVANIZED AS PER I.S 1367 PART-XIII.
4. ALL MILD STEEL BOLTS & NUTS ARE TO BE QUALITY CONFORMING TO I.S. 2062 STANDARD.
5. GALVANISATION OF TOWER MEMBERS AND FLAT WASHERS AS PER I.S. 2629.
6. ● ALL HOLES ø13.5 FOR M12 BOLTS U.O.S.
7. ○ ALL HOLES ø17.5 FOR M16 BOLTS U.O.S.
8. ◑ ALL HOLES ø21.5 FOR M20 BOLTS U.O.S.
9. ◎ ALL HOLES ø17.5 FOR M16 STEP BOLTS U.O.S.
10. STANDARD SPRING WASHERS ARE TO BE USED UNDER EACH NUT.
11. ALL FABRICATED MEMBERS SHALL HAVE THE PREFIX 1DB
12. FOR SIZE OF BOLTS AND NUTS SEE TABLE OT-100
13. ◎ INDICATES MEMBERS BEING USED AS STEP-BOLTS.
14. FOR ..... SEE DRG. NO. S .....
15. FOR ..... SEE DRG. NO. S .....
16. FOR ..... SEE DRG. NO. S .....
17. FOR ..... SEE DRG. NO. S .....
18. STEP BOLTS ARE TO BE PROVIDED ON TWO DIAGONALLY OPPOSITE LEGS
19. (h) INDICATES HIGH TENSILE STEEL CONFIRMING TO IS 8500 Gr.-490B QUALITY.
20. FOR ACCEPTANCE CRITERIA REFER MANUFACTURING QUALITY PLAN MFG-701.
21. CONTROL DIMENSIONS ARE SHOWN IN ▭
22. ▭ INDICATES REVISED ITEM No. & SECTION SIZE.

MARK Nos. 275–300, 203, 204, 225 & 261

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C TOWER TYPE "DB" +9M LEG EXTN.AT±0M LEVEL&BODY EXTN.	SCALE	–
CHECKED BY					
APPROVED BY		DRG NO	132KV-D/C-Struct-+9M-Leg-Extn-29	SHEET NO 1–1	REV. 0