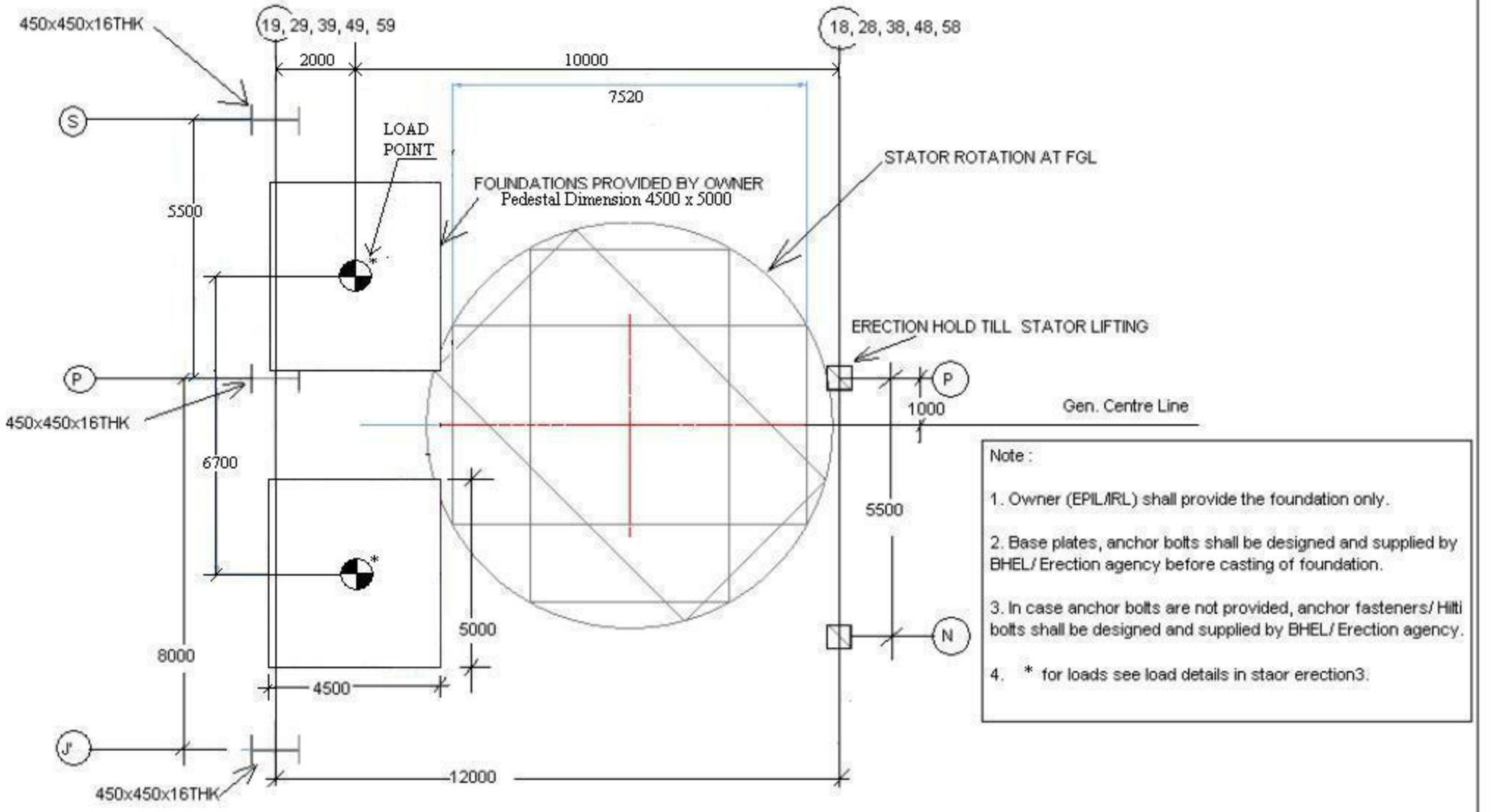


Note :

1. Owner (EPIL/IRL) shall provide the foundation only.

2. Base plates, anchor bolts shall be designed and supplied by BHEL/ Erection agency before casting of foundation.

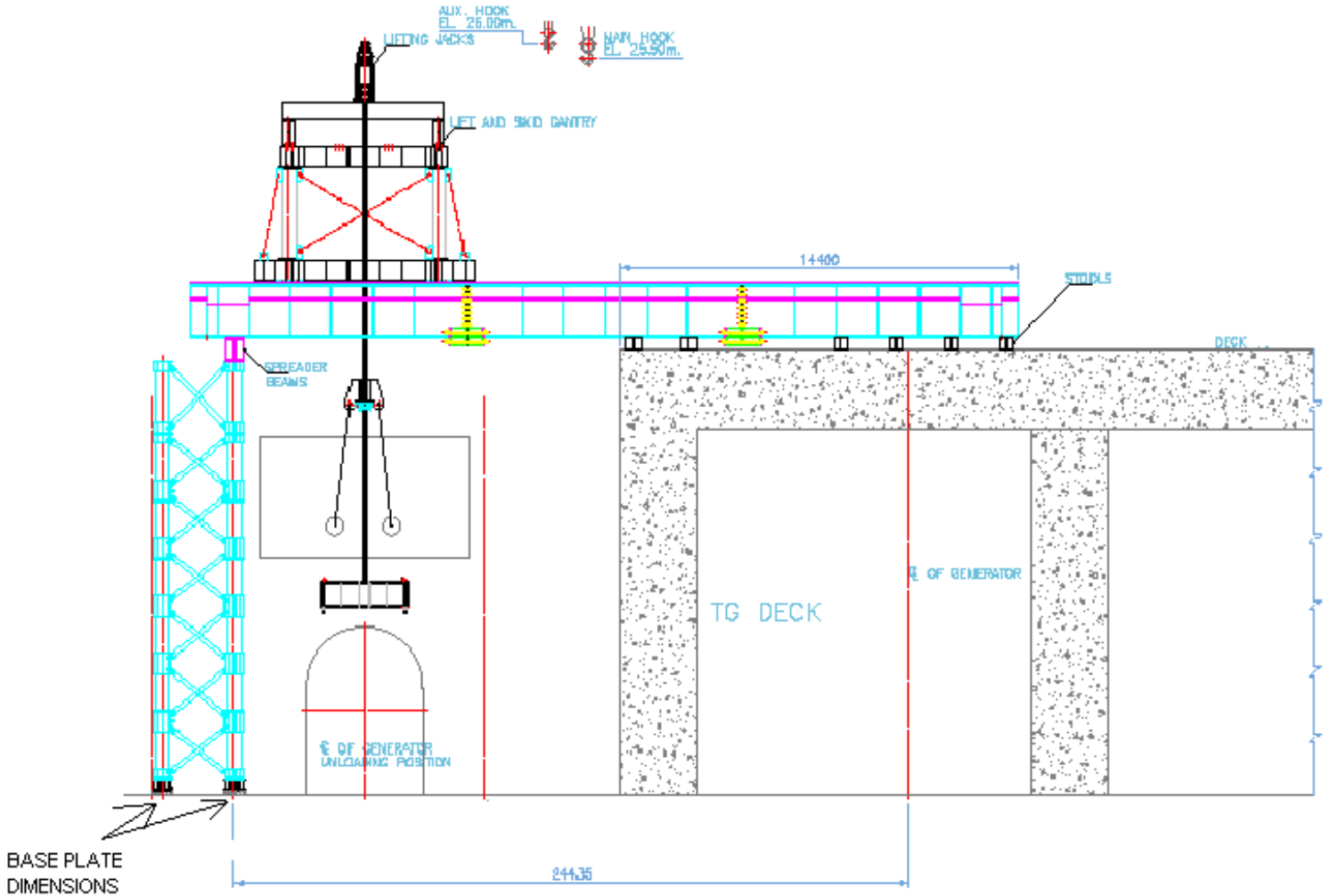
3. In case anchor bolts are not provided, anchor fasteners/ Hilti bolts shall be designed and supplied by BHEL/ Erection agency.

4. * for loads see load details in staor erection3.

PLAN

FOUNDATION ARRANGEMENT CONSIDERED FOR TEMPORARY COLUMNS FOR GENERATOR STATOR ERECTION

Stator Erection
Sheet 1 of 3



BASE PLATE
DIMENSIONS
CONSIDERED IS
850X850

ELEVATION

TEMPORARY COLUMNS FOR GEN. STATOR ERECTION

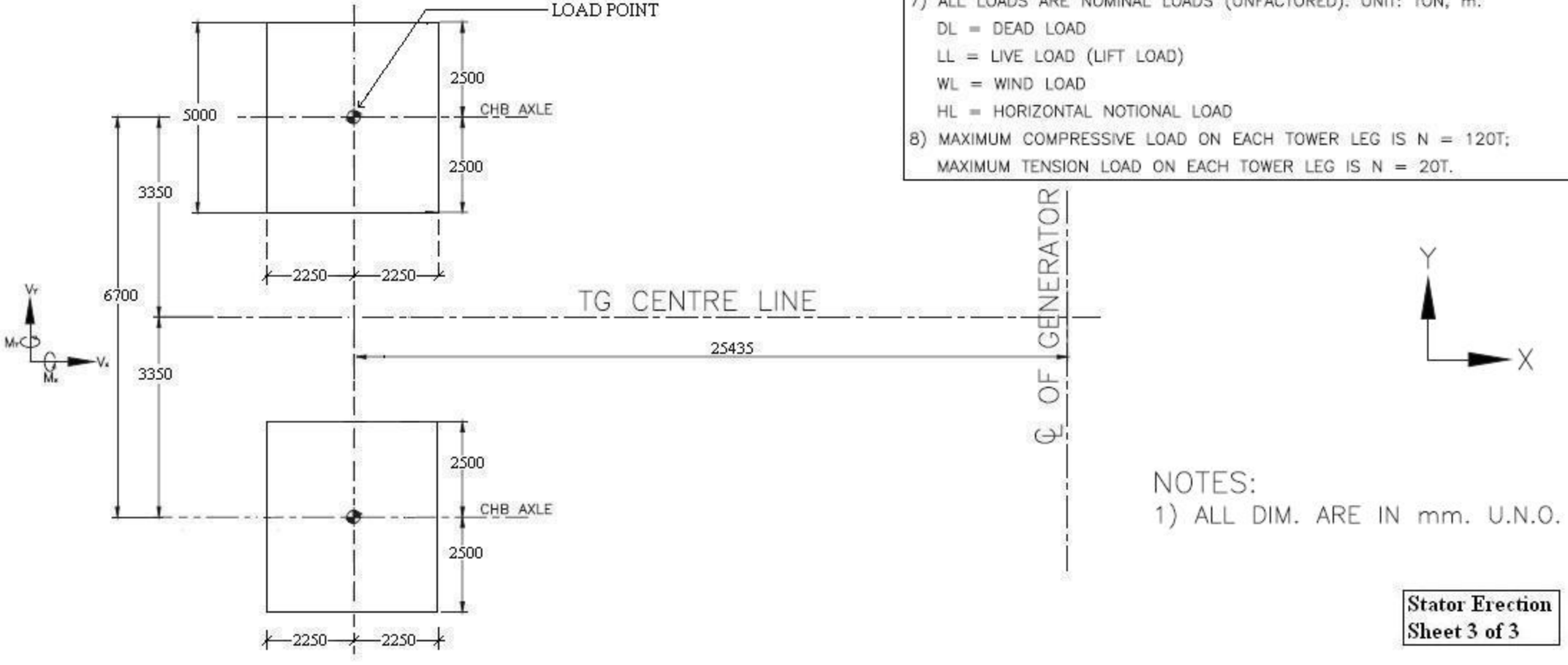
Stator Erection
Sheet 2 of 3

TABLE OF MAXIMUM FOUNDATION LOADS BENEATH ONE TOWER (ONE LOAD POINT) NOTES

	Fz (t) −	Fx (t) +/−	Fy (t) +/−	Mx (tm) +/−	My (tm) +/−	VERTICAL LOADS SIGNS: − : COMPRESSION; + : TENSION
LIFTING: LOAD CASES						OPERATIONAL CONDITIONS, WHILE LIFTING THE GENERATOR
TOWER SELF WEIGHT − DL	−75	0	0	0	+50	TOP STEEL WORK WEIGHT INCLUDED, SKIDDING UNIT WEIGHT INCLUDED.
LIFTING LOAD − LL	−110	0	0	0	+100	
HORIZ. NOTIONAL LOAD − all direction − HL	0	0	±3	±55	0	(SECOND ORDER EFFECTS INCLUDED)
OPER. WIND (16 m/s) − direction x − WL	0	0	0	0	0	WIND ON TOWER SECTIONS + TOP STEELWORK.
OPER. WIND (16 m/s) − direction y −WL	0	0	±2	±35	0	WIND ON TOWER SECTIONS + TOP STEELWORK.
OPER. WIND (16 m/s) − diagonal dir. − WL	0	0	±1	±17	0	WIND ON TOWER SECTIONS + TOP STEELWORK.
STAND BY: LOAD CASES						TOWERS FULLY ERECTED, WITH TOP STEELWORK
TOWER SELF WEIGHT − DL	−55	0	0	0	±35	TOP STEEL WORK WEIGHT INCLUDED.
STORM WIND (35 m/s)−DIRECTION x −WL	0	0	0	0	0	WIND ON TOWER SECTIONS + TOP STEELWORK.
STORM WIND (35 m/s)−DIRECTION y −WL	0	0	±5	±85	0	WIND ON TOWER SECTIONS + TOP STEELWORK.
STORM WIND (35 m/s)−diagonal direction −WL	0	0	±3	±50	0	WIND ON TOWER SECTIONS + TOP STEELWORK.

GENERAL NOTES:

1) THE WEIGHT OF GENERATOR TO BE LIFTED = 297.5T (REFERENCE DOC. "0−139−00−01352 REV. A") 5% CONTINGENCY TO BE INCLUDED.
2) THE FOUNDATIONS LOADS INCLUDE A DYNAMIC FACTOR OF 1.05 ON THE LIFTING LOAD.
3) THE HORIZONTAL LOAD DURING LIFTING IS THE GREATER BETWEEN:
   − WIND LOAD ON GENERATOR (V=16m/s. 3 sec. GUST)
   − NOTIONAL LOAD H = 2.5% OF THE LIFTED LOAD + SERVICE WIND ON TOWER AND CROSSHEAD BEAMS.
4) MAXIMUM OPERATIONAL WIND SPEED = 16m/s (3 sec. GUST AT 10m. AGL AT THE TOWER SITE.)
5) THE SITE BASIC WIND SPEED = 35 m/s, 50 YEARS RETURN PERIOD, 3 SECOND GUST AT 10m AGL. LOADS ACCORDING TO IS875:1987 PART III;
6) THE FORCES GIVEN ARE ABOUT THE CENTRE OF EACH TOWER, AT THE BASE.
7) ALL LOADS ARE NOMINAL LOADS (UNFACTORED). UNIT: TON, m.
   DL = DEAD LOAD
   LL = LIVE LOAD (LIFT LOAD)
   WL = WIND LOAD
   HL = HORIZONTAL NOTIONAL LOAD
8) MAXIMUM COMPRESSIVE LOAD ON EACH TOWER LEG IS N = 120T; MAXIMUM TENSION LOAD ON EACH TOWER LEG IS N = 20T.



NOTES:

1) ALL DIM. ARE IN mm. U.N.O.

Stator Erection
Sheet 3 of 3