

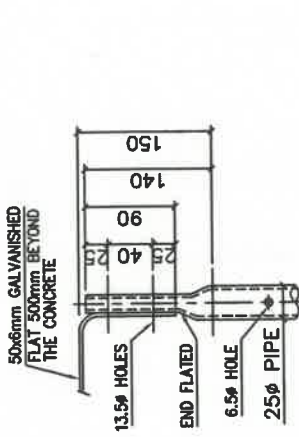
16MM DIA BOLT
(FOR TOWER)

TOWER TYPE	LENGTH IN MM	QTY
DA	AS PER THICKNESS	2
DB	OF MEMBER	2
DC		2
DD		2

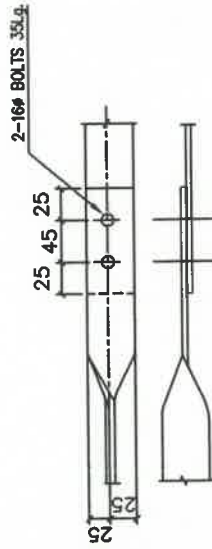
16MM DIA BOLT
(FOR PIPE TYPE EARTHING)

Sl.No.	SIZE	QTY.	REMARKS
1	M12φ x 35Lg	2	PER PIPE TYPE EARTHING
2	M16φ x 35Lg	2	PER PIPE TYPE EARTHING
3	M16φ x 3.5	2	SPRING WASHER
4	M12φ x 2.5	2	SPRING WASHER

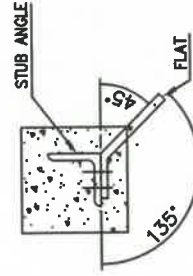
BOLT & NUTS FOR ALL TYPE



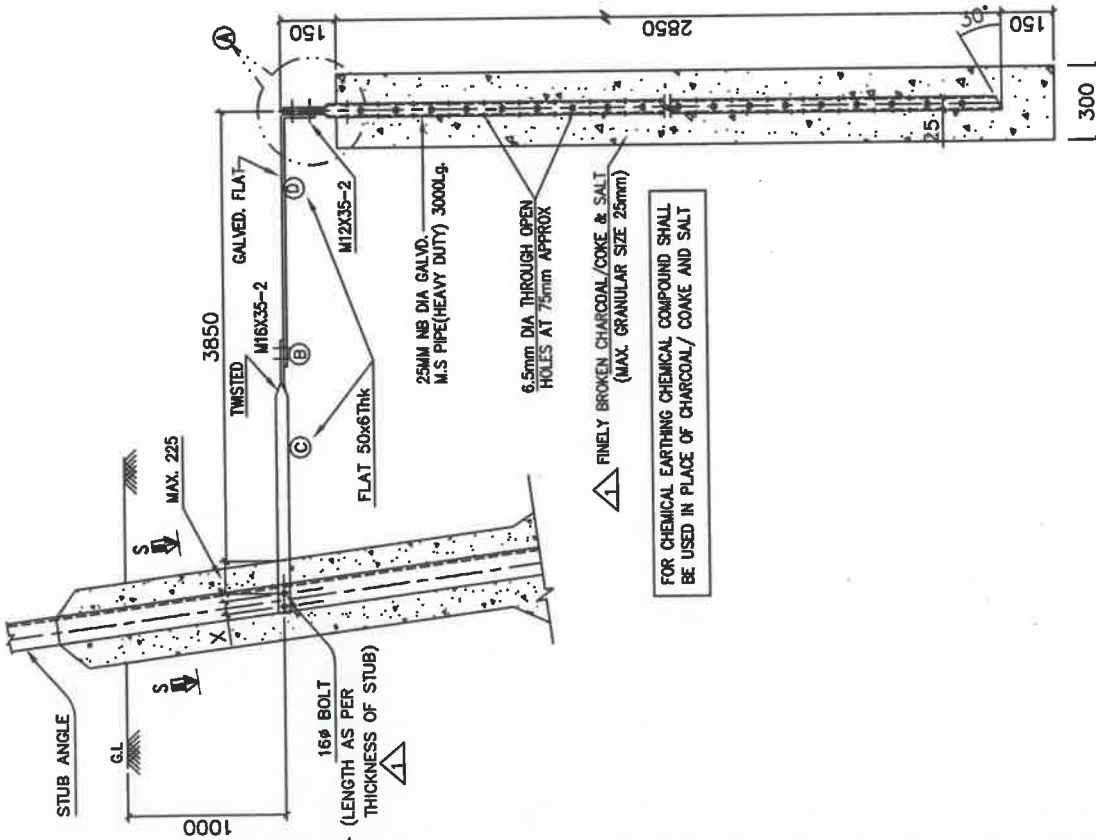
DETAIL AT "A"



DETAIL AT "B"



SECTION - S-S



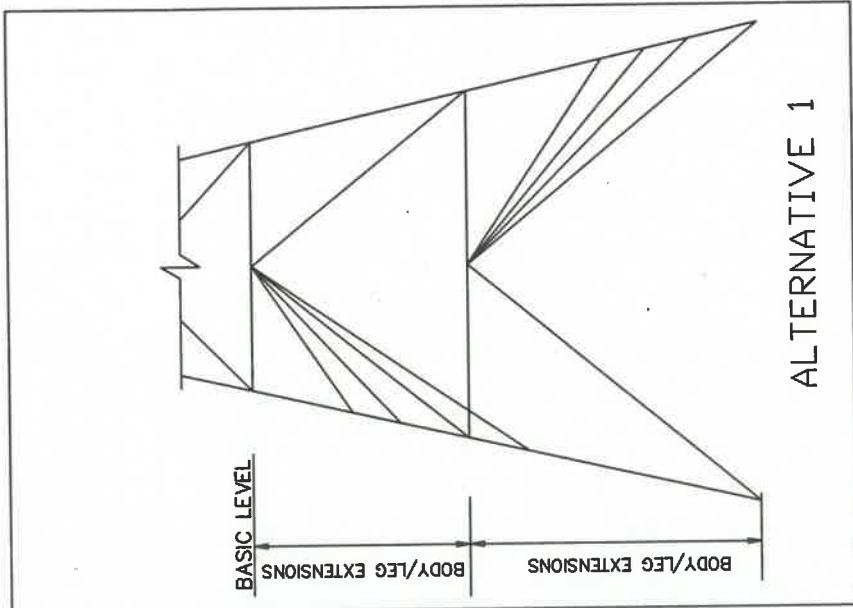
FOR CHEMICAL EARTHING CHEMICAL COMPOUND SHALL BE USED IN PLACE OF CHARCOAL/ COKE AND SALT

- NOTES:-
- C FLAT SHALL BE SUPPLIED WITH STUB AND IS TO BE PROVIDED ON ONE LEG OF EACH TOWER.
 - 17.5φ HOLES SUITABLE FOR 16φ BOLTS FOR EARTHING DEVICES.
 - FOR COUNTERPOSE EARTHING STRIP 'C' SHALL BE CONNECTED WITH COUNTER POSE WIRE THROUGH 'X' LUG.
 - ALL HEXAGONAL BOLTS AND NUTS SHALL CONFORM TO IS-12427
 - ALL BOLTS AND NUTS SHALL BE GALVANIZED AS PER IS:1367 (PART-13)/AS:2629.
 - ALL FLATS SHALL BE HOT DIP GALVANIZED AS PER IS:25269.
 - SPRING WASHERS SHALL BE ELECTRO GALVANIZED AS PER GRADE-IV OF IS-1573.
 - DIMENSION X TO BE COMPATIBLE WITH STUB.
 - ALL DIMENSIONS ARE IN MM.

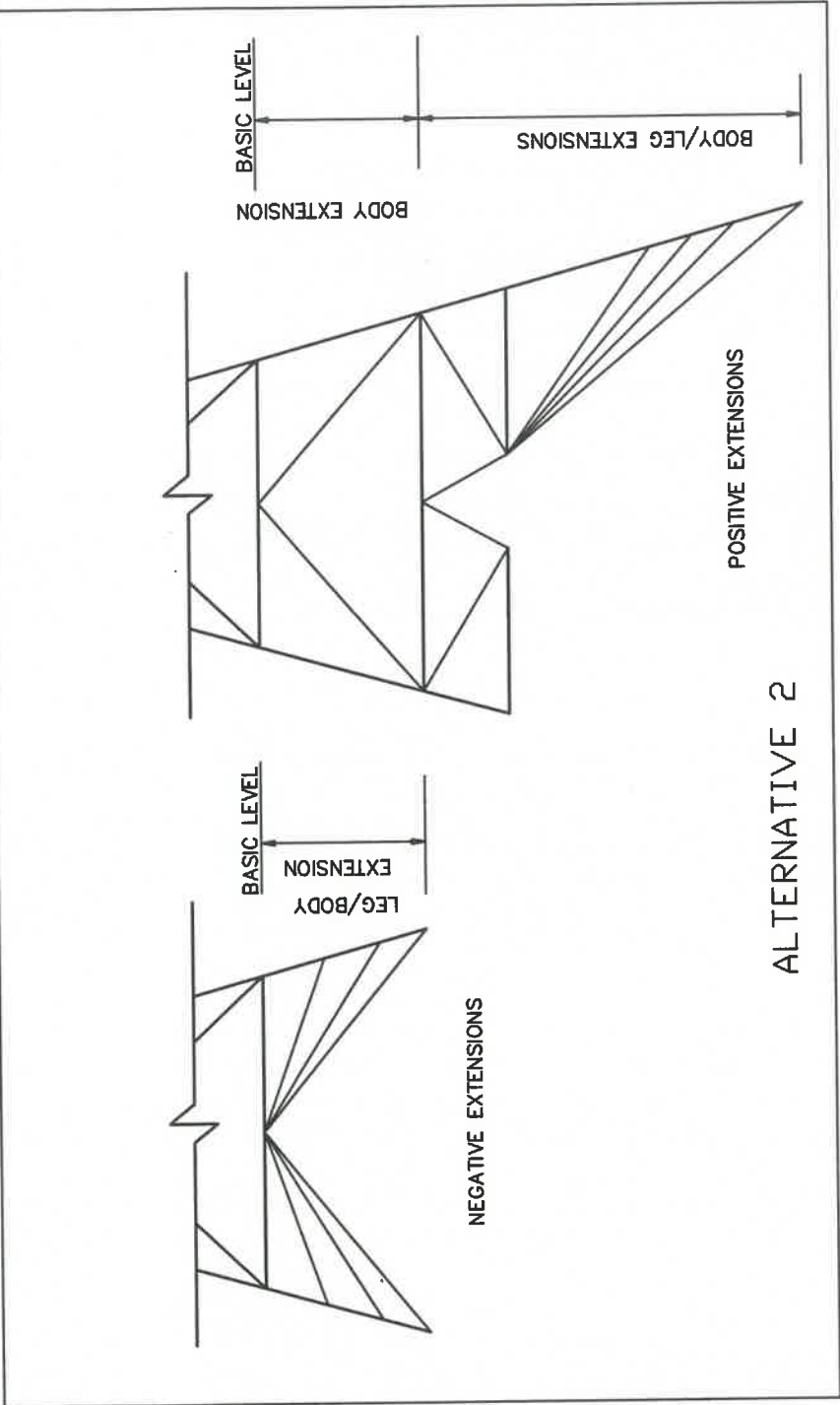
01	REVISED AS MARKED
REV.NO	REVISION

POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

TITLE PIPE TYPE EARTHING ARRANGEMENT	
DRAWN	CHECKED :
DATE	APPROVED :
SCALE N.T.S.	
DRG.No.: PP/16360	SHEETS: 1 OF 3
	REV. 1



ALTERNATIVE 1



ALTERNATIVE 2

INDICATIVE GEOMETRY OF LEG AND BODY EXTENSION

NOTES:

1. THE CONTRACTOR MAY ADOPT ANY ONE OF THE ALTERNATIVES SHOWN IN THE SKETCH.
2. THE NON-TESTED EXTENSION SHALL HAVE SIMILAR GEOMETRY AS OF LAST PANEL OF TESTED TOWER.
3. THE MAXIMUM HEIGHT OF ANY PANEL WITHOUT PLAN/DIAPHRAGM SHALL NOT EXCEED 14M.
4. REDUNDANTS AND OTHER DETAILS OF TOWERS NOT SHOWN FOR CLARITY.

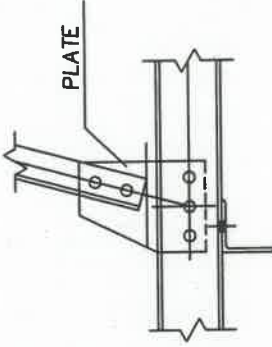
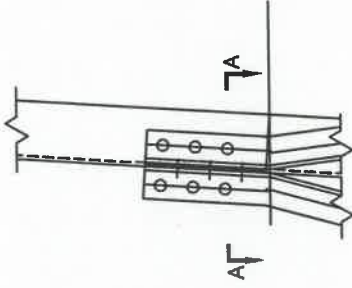
REV.NO.	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED <small>(A GOVERNMENT OF INDIA ENTERPRISE)</small>				
				
INDICATIVE SKETCH FOR LEG AND BODY EXTENSION				
DRAWN	CHECKED :			
DATE	APPROVED :			
SCALE	N.T.S.			
DRG.No.:	CC/STD/LEG/BODY/001	SHEETS:	1 OF 1	REV. 0

NOTES:

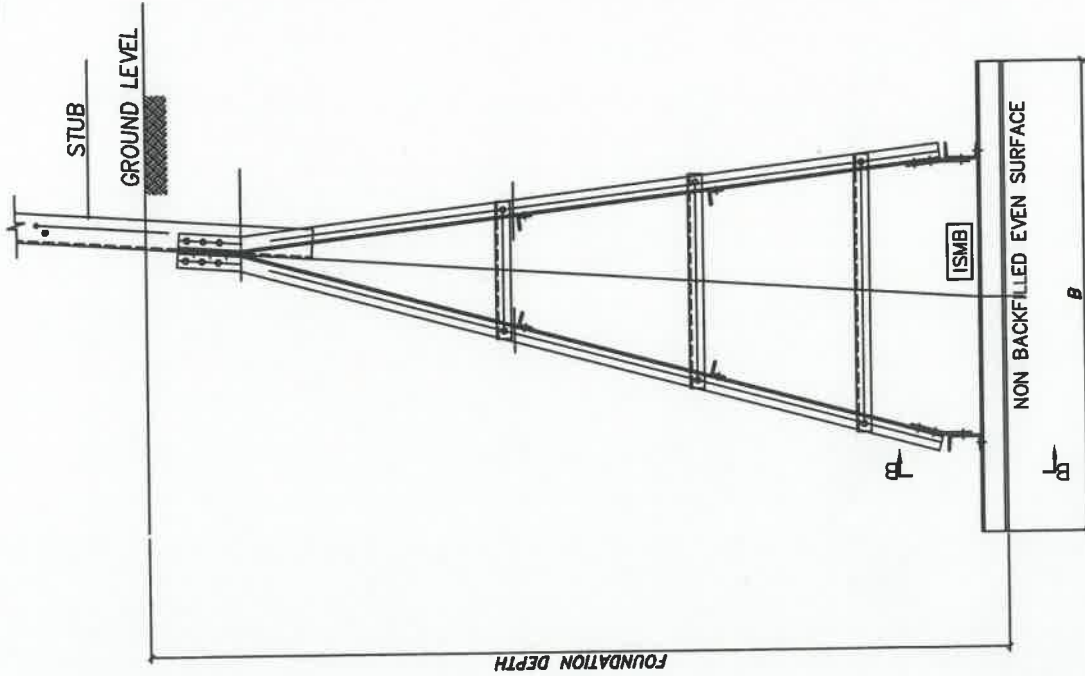
1. THE MEMBERS, PLATES & BOLTS ARE INDICATIVE ONLY. ACTUAL LENGTH, SIZE OF MEMBERS, PLATE THICKNESS, NUMBER OF BOLTS SHALL BE AS PER DESIGN.
2. ISMB MEMBERS SHALL NOT BE PLACED ON BACKFILLED SOIL.
3. THE ISMB MEMBERS SHALL BE PLACED ON EVEN SURFACE



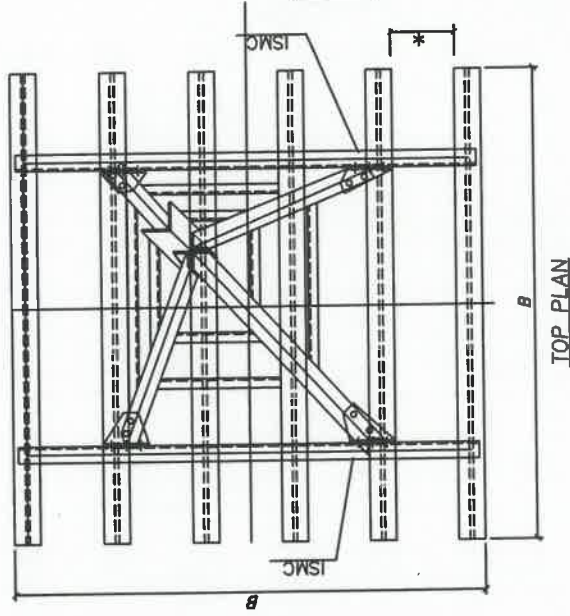
VIEW : A-A



VIEW : B-B



FOUNDATION DEPTH



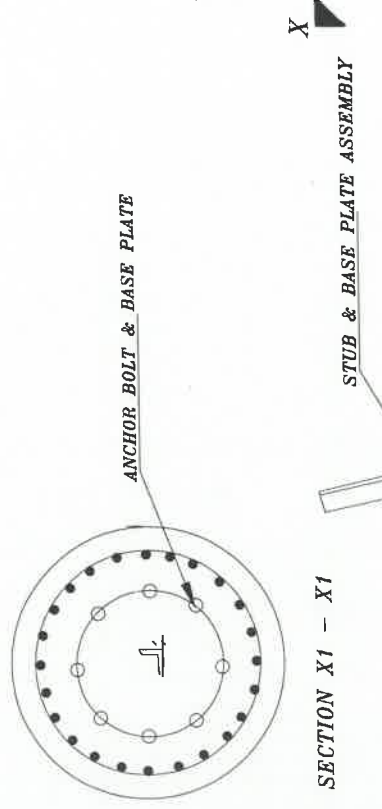
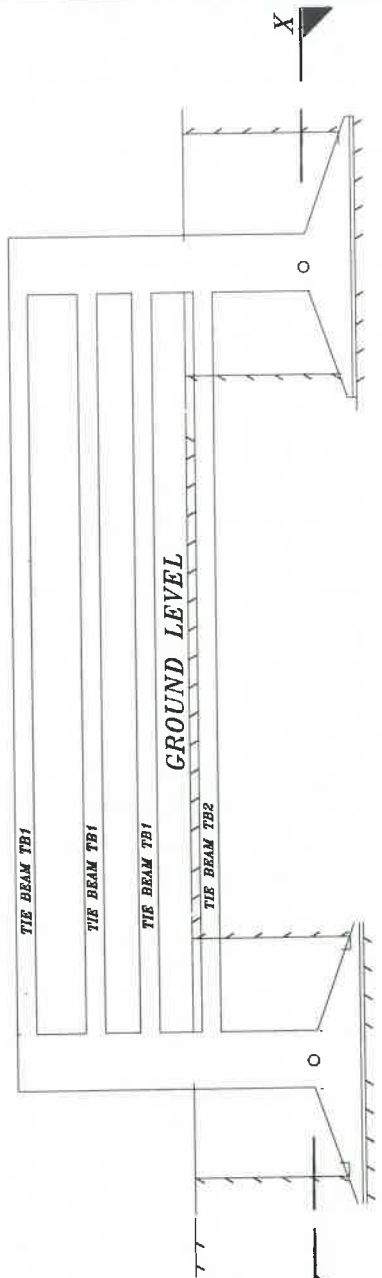
TOP PLAN

* THE CLEAR SPACING BETWEEN THE GRILLAGE MEMBERS SHALL NOT BE GREATER THAN THE WIDTH OF MEMBERS

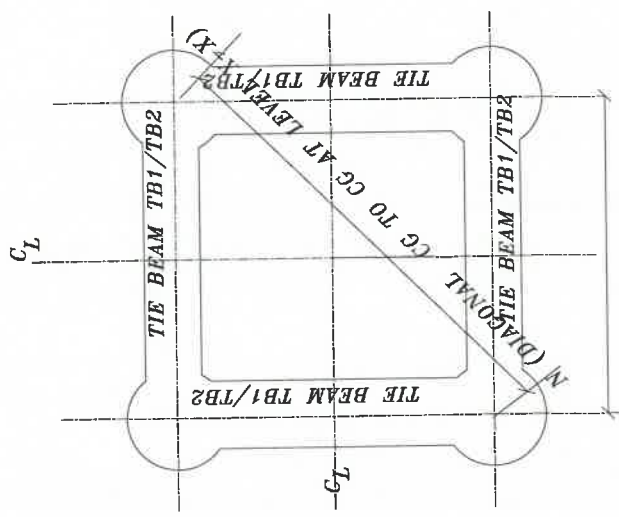
REV. NO.	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)				
TYPICAL ARRANGEMENT FOR GRILLAGE FOUNDATION				
DRAWN	CHECKED :	APPROVED :		
DATE				
SCALE	N.T.S.			
DRG.No.:	CC/STD/GRU/GDN/001	SHEETS: 1 OF 1	REV.	0



TYPICAL ARRANGEMENT FOR GRILLAGE FOUNDATION



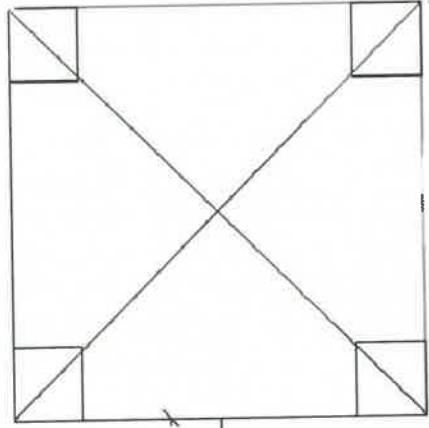
SECTION X1 - X1



M (CG TO CG AT LEVEL X-X)
EXCAVATION PLAN AT X-X

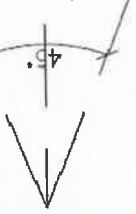
REV.NO	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)				
				
INDICATIVE SKETCH FOR AVALANCHE PROTECTION FOUNDATION				
DRAWN		CHECKED :		
DATE		APPROVED :		
SCALE	N.T.S.			
DRG.No.: CC/STD/LGO/BODY/001			SHEETS: 1 OF 1	REV. 0

LINE OUT



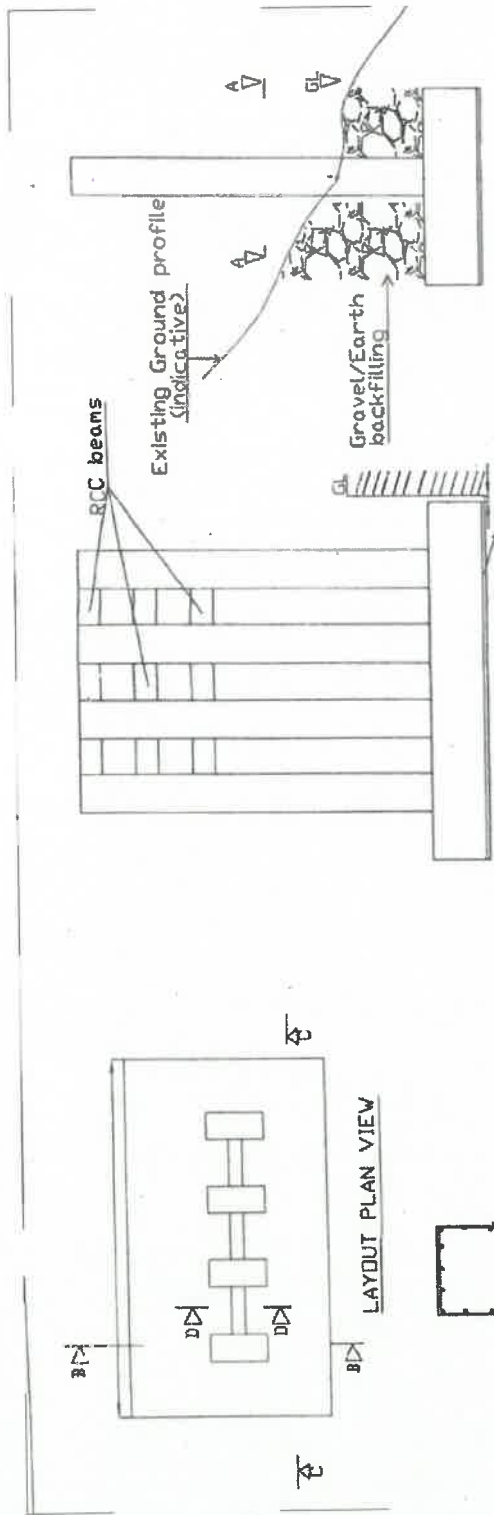
LINE IN
BASE OF TOWER

OPTION-1 OR 2



PLAN FOR AVALANCHE PROTECTION ARRANGEMENT

REV.NO	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED <small>(A GOVERNMENT OF INDIA ENTERPRISE)</small>				
				
INDICATIVE SKETCH FOR AVALANCHE PROTECTION STRUCTURE-PLAN				
DRAWN		CHECKED :		
DATE		APPROVED :		
SCALE	N.T.S.			
DRG.No.: CC/STD/LEG/BODY/001			SHEETS: 1 OF 1	REV. 0



LAYOUT SIDE VIEW

LAYOUT FRONT VIEW

SECTION A-A

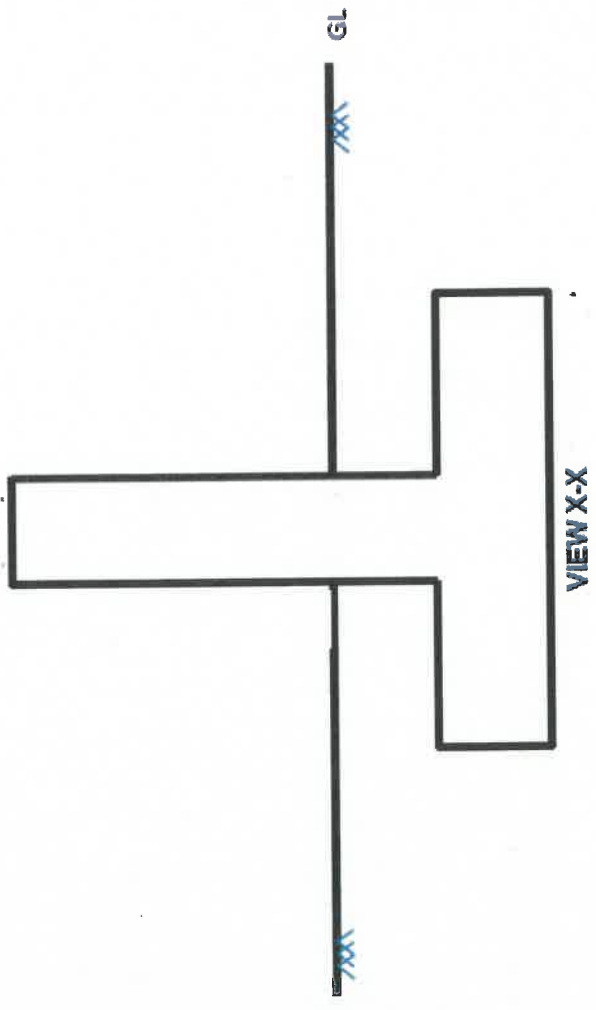
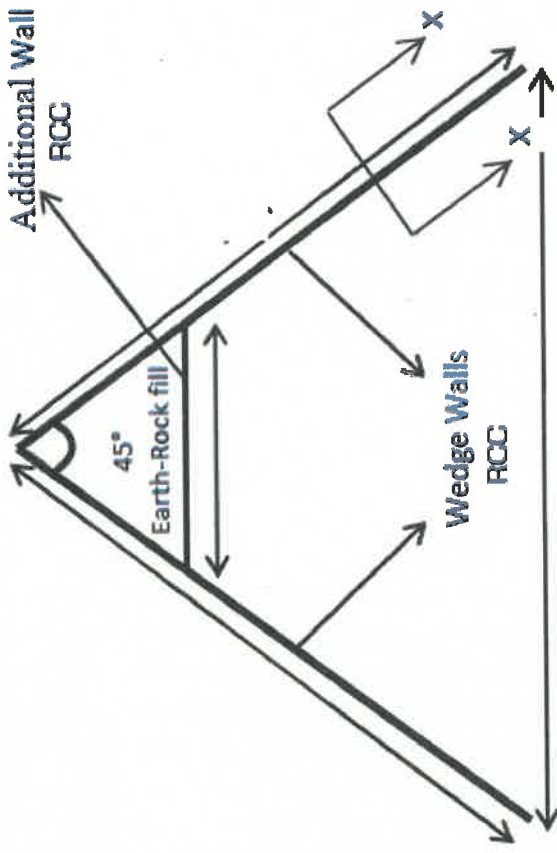
SECTION D-D

SECTION B-B

SECTION C-C

SECTION E-E

REV.NO	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)				
				
INDICATIVE SKETCH FOR AVALANCHE PROTECTION STRUCTURE OPTION -1				
DRAWN	CHECKED :			
DATE	APPROVED :			
SCALE	N.T.S.			
DRG.No.: CC/STD/LEG/BODY/001			SHEETS:1 OF 1	
				REV. 0



Cross section of wedge wall plus foundation

REV.NO.	REVISION	DATE	CHKD	APPD
POWER GRID CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISE) 				
INDICATIVE SKETCH FOR AVALANCHE PROTECTION STRUCTURE OPTION -2				
DRAWN	Koushik		CHECKED :	
DATE			APPROVED :	
SCALE	N.T.S.			
DRG.No.: CC/STD/LEG/BODY/001			SHEETS: 1 OF 1	REV. 0