



Structure looking towards CD Face

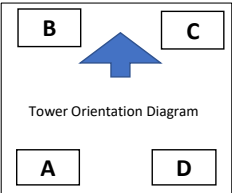
Tower ID	WAI-VUD-A0008	
Contract number	S30G+6	
Final No.	75-1	
Insulator Type/ Condition	COMPOSITE	
Type	0	
Body Extn - size	0	
Legs - size	+/-0, +/-0, +/-0, +/-0	
Earth Wire	YES	
Tower Area m²	176	
Rust m²	7	4%
Sweep m²	156	89%

RC steel identified	0
Earth plates fitted/ Compliant	#N/A
Climbing Deterrent Fitted	YES
Padlock Type	None
Environmental Rating	Low impact on neighbouring activities, low level protection from public.
Vehicle Access	No Vehicle access directly to towers and/ or requires maintenance prior to vehicle access.
Vegetation Control	Required Minor
Property Usage	Dry Stock farming (sheep, beef, deer or a combination)
Foundation Connection Type	TSC
Bridge/ Culverts	YES
Cell Coverage	Marginal

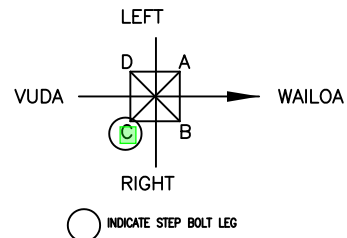
Comments	
Track access maintenance required prior to entry	
No cpi - Fiji	
Light ZCP through out structure	
Dross throughout structure on steel	
Anti-climb in need of repair.	
LSD - needs replacing	
Steep terrain around tower	
Stream 40m from C-Leg	
Unknown paint 1m up from foundations	
Would like to see excess layer of concrete removed from the foundation connections prior to blasting and coating	
Step Bolts: 64	
Comment: GOOD	
RC Bolts 5	



LSD on CD Face



LANDOWNER DETAILS		INSPECTION TEAM LUMEN		Date	GPS COORDINATES (WGS84)			WAI-VUD-A			
				28/02/2025				DRG. SIZE	SCALE	FOLDER	
LandOwner	Refer To Efl	Inspector-Tower	Des Gracie		LATITUDE	17°42'45.72"S		WID	0	CAP20477	
TowerAccess	Through Lautoka	Inspector-Ground	Des Gracie		LONGITUDE	177°35'11.76"E				SHEET	REVISION
ContactName	Refer To Efl	Draft Report	R Glover	12/02/2025						1	2
ContactPhone	Refer To Efl	Report Review	M Boardman	12/02/2025			WAI-VUD-A0008				



STRUCTURE DESCRIPTION	
LINE:	WAI-VUD-A
STR No:	8
BODY EXTN:	0
LEG A:	+/-0
LEG B:	+/-0
LEG C:	+/-0
LEG D:	+/-0
INSPECTED BY:	DG
COMPANY:	LUMEN
DATE:	28/2/25

FOUNDATIONS	
GRILLAGE	
CONCRETE	TSC
MASS CONC.	

NUMBER OF REPLACEMENT CRITERIA STEEL MEMBERS	
MINOR	
MAJOR(CRITICAL)	
MAJOR(OTHER)	

NUMBER OF REPLACEMENT CRITERIA BOLTS	

RC STEEL	
STEEL RATED AT CA21-30	
RC BOLTS	

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

EARTH/PEAK

SINGLE E/PEAK

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

TOP

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

BOTTOM

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

+/-0

+/-0

+/-0

+/-0

SECTIONS J-J
LEG A

SECTIONS J-J
LEG B

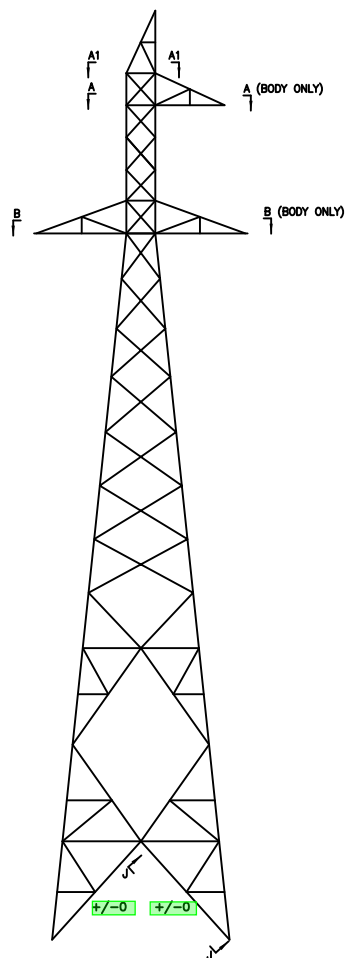
SECTIONS J-J
LEG C

SECTIONS J-J
LEG D

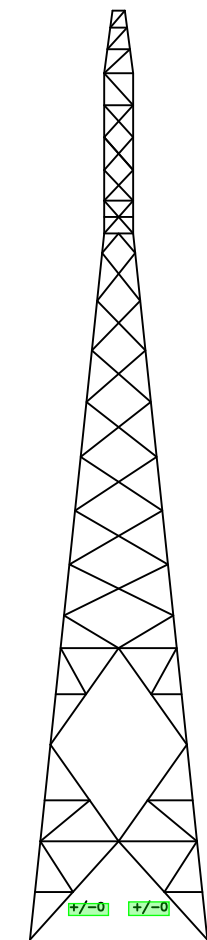
SECTION A1-A1

SECTION A-A

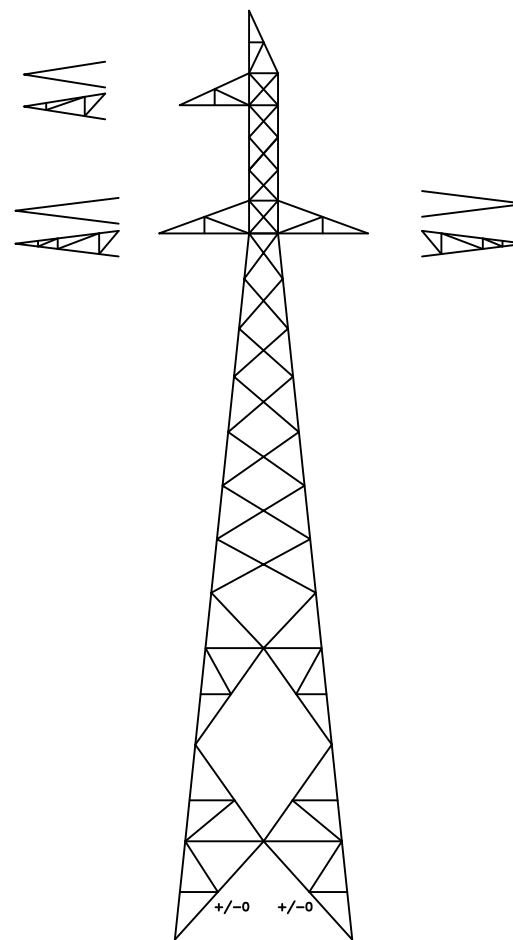
SECTION B-B



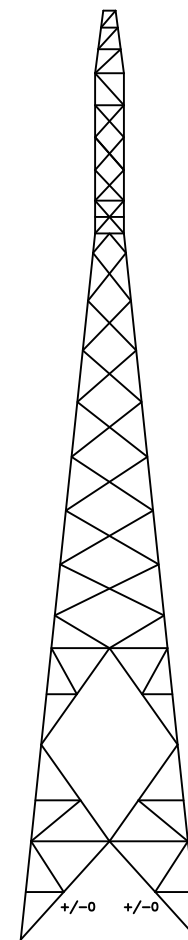
LEG D
LEG C
VIEW D-C



LEG A
LEG D
VIEW A-D



LEG B
LEG A
VIEW B-A



LEG C
LEG B
VIEW C-B

TOWER TYPE USED: S30G+6

AMENDMENT	BY	CHKD	DATE	AMENDMENT	BY	CHKD	DATE

DRAWN	M.L.	8.22
DESIGNED	LUMEN	8.22
CHECKED		
APPROVED	-	-
CAD FILE		

LUMEN
Consulting
210 Hazeldean Rd.
PO Box 25052
Christchurch, New Zealand
Tel +64 (0)3 377 1546

ENERGY FIJI LTD
VUDA - WAILOA LINE
TOWER 75-1(8) OUTLINE

SCALE	N.T.S
VUD-WAI 75-1	ISS. -1