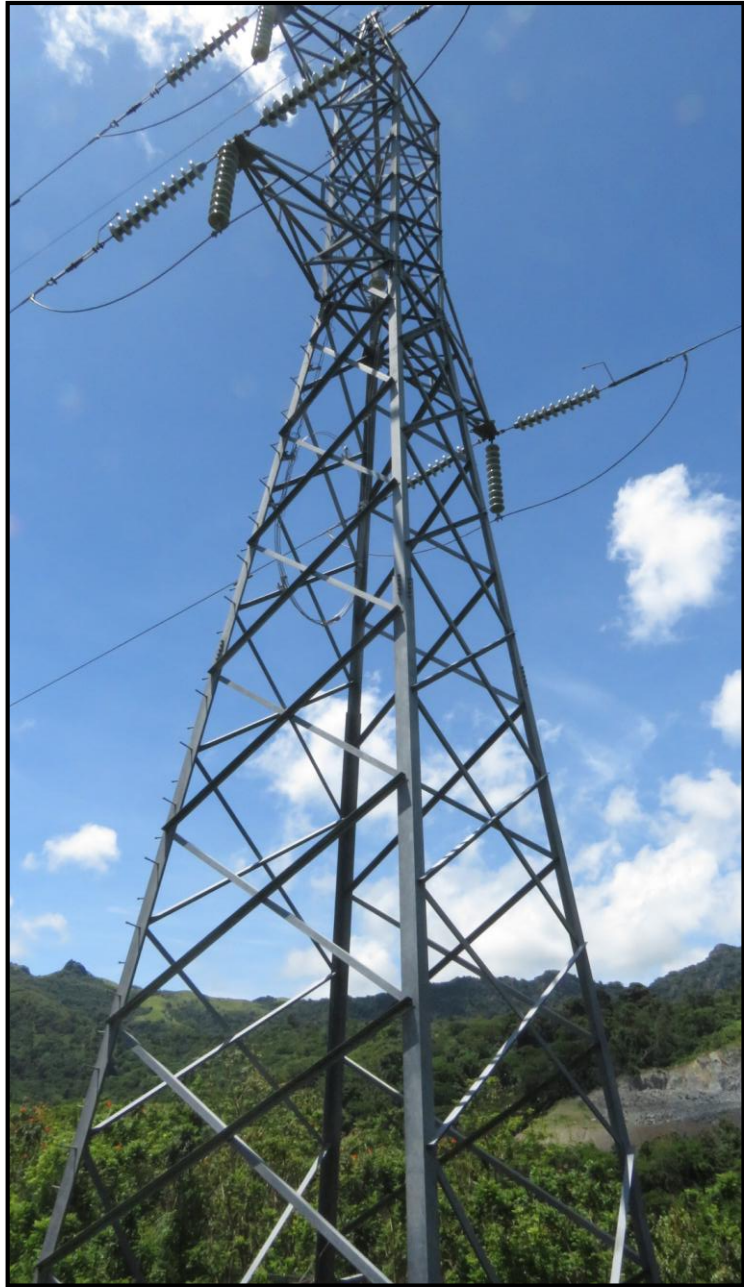




Structure looking towards AB Face



Tower ID	WAI-VUD-A0030	
Contract number	STG+/-0	
Final No.	66-1	
Insulator Type/ Condition	PORCELAIN	
Type	STR	
Body Extn - size	0	
Legs - size	+1, -1, +/-0, +1	
Earth Wire	YES	
Tower Area m²	162	
Rust m²	5	3%
Sweep m²	125	77%

RC steel identified	No
Earth plates fitted/ Compliant	NO - 0
Climbing Deterrent Fitted	YES
Padlock Type	None
Environmental Rating	Medium impact on neighbouring activities requires protection from public
Vehicle Access	No Vehicle access directly to towers and/ or requires maintenance prior to vehicle access.
Vegetation Control	Required Major
Property Usage	Commercial
Foundation Connection Type	SAC
Bridge/ Culverts	YES
Cell Coverage	Marginal

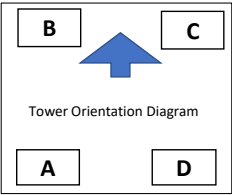
Comments

Track access maintenance required prior to entry
no cpi - Fiji
Major vegetation management needed around base of structure and 200m of track
CTE painted 1m up each leg
Light ZCP through out structure
Dross throughout structure on steel
Bird excrement on members throughout structure
LSD - faded
No access directly to the tower
Anti-climb in need of repair.
OPGW joint box inside upper body

Step Bolts: 48
Comment: GOOD
RC Bolts 5



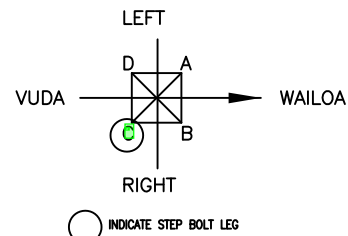
LSD on CD Face



#N/A



LANDOWNER DETAILS		INSPECTION TEAM LUMEN		Date	GPS COORDINATES (WGS84)			WAI-VUD-A			
				16/01/2025				DRG. SIZE	SCALE	FOLDER	
LandOwner	Refer To Efl	Inspector-Tower	Des Gracie		LATITUDE	17°42'39.96"S		A3	N/A	CAP20477	
TowerAccess	Through Quarry	Inspector-Ground	Des Gracie		LONGITUDE	177°31'49.08"E		WID	0	SHEET	REVISION
ContactName	Refer To Efl	Draft Report	R Glover	7/05/2025						1	2
ContactPhone	Refer To Efl	Report Review	M Boardman	7/05/2025			WAI-VUD-A0030				



STRUCTURE DESCRIPTION	
LINE:	WAI-VUD-A
STR. No.	30
BODY EXTN:	0
LEG A:	+1
LEG B:	-1
LEG C:	+/-0
LEG D:	+1
INSPECTED BY:	DG
COMPANY:	LUMEN
DATE:	16/1/25

FOUNDATIONS	
GRILLAGE	
CONCRETE	
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

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

HANGER	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	PLT

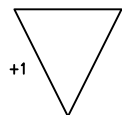
EARTHPEAK

SINGLE E/PEAK

TOP

BOTTOM

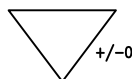
ATTACHMENT DETAILS



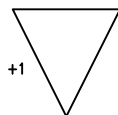
SECTIONS J-J
LEG A



SECTIONS J-J
LEG B



SECTIONS J-J
LEG C



SECTIONS J-J
LEG D

PLATE	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	

EARTHPEAK

SINGLE E/PEAK

TOP

BOTTOM

ATTACHMENT DETAILS

PLATE	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	

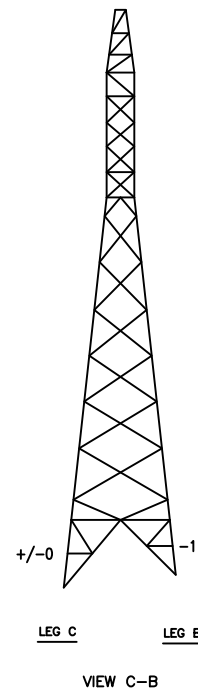
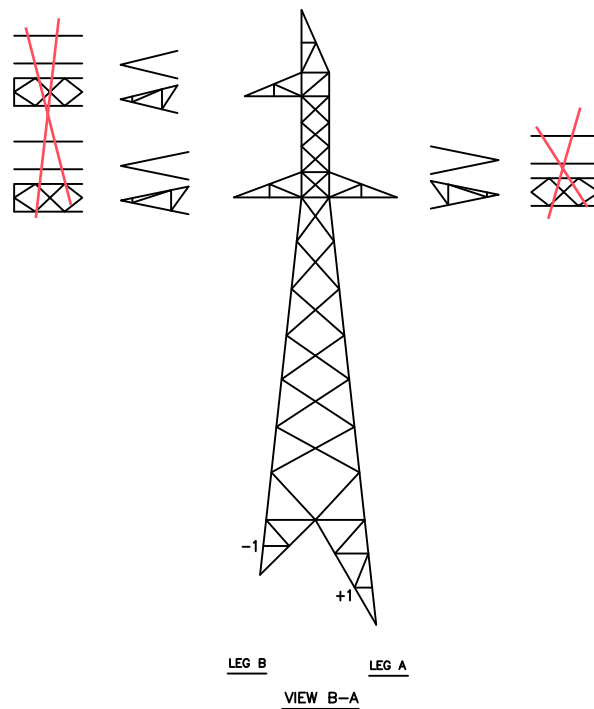
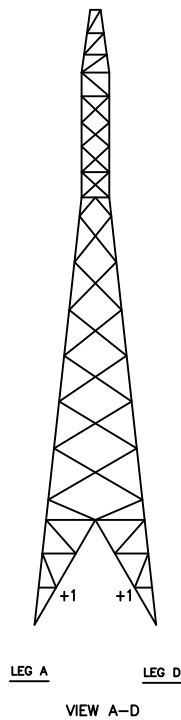
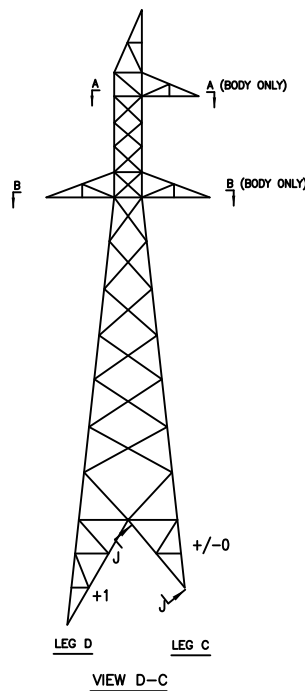
PLATE	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	

PLATE	
SWIVEL	
TBT	
REPLACEMENT	
ORIGINAL	

SECTION A1-A1

SECTION A-A

SECTION B-B



TOWER TYPE USED: STG+/-0

AMENDMENT	BY	CHKD	DATE	AMENDMENT	BY	CHKD	DATE

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

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

ENERGY FIJI LTD		SCALE N.T.S	
VUDA - WAILOA LINE TOWER 66-1(30) OUTLINE		VUD-WAI 66-1	ISS. -1