



Structure looking towards CD Face



| Device Position Description | WAI-VUD-A0183  |     |
|-----------------------------|----------------|-----|
| Tower                       | 3-1            |     |
| Contract number             | DGL+3          |     |
| Tower Type                  | 0              |     |
| Body - size                 | 0              |     |
| Body Extn - size            | 0              |     |
| Legs - size                 | +3, +4, +1, +5 |     |
| Earth Wire                  | YES            |     |
| Paint Type                  | 0              |     |
| Tower Area m²               | 298            |     |
| MAD Tower Area m²           | 9              |     |
| Spot Blast m²               |                |     |
| Rust m²                     | 70             | 24% |
| Sweep m²                    | 167            | 56% |

|                                                       |  |  |
|-------------------------------------------------------|--|--|
| Comments                                              |  |  |
| No access directly to the tower, walk only            |  |  |
| Moss mould and green lichen on steel                  |  |  |
| LSD - visible                                         |  |  |
| Gondola u-bolts corroded                              |  |  |
| LSD faded                                             |  |  |
| Aerial id faded                                       |  |  |
| Red and blue phase insulators flashed over, back span |  |  |
| CTE painted about 400mm up all legs, failing coating  |  |  |
| Attachment point bolts are in need of replacement.    |  |  |
| LSD - legible                                         |  |  |
| Step Bolts: 100                                       |  |  |
| Comment: 70 RC STEP BOLTS                             |  |  |
| RC Bolts 300                                          |  |  |
| Comment:                                              |  |  |



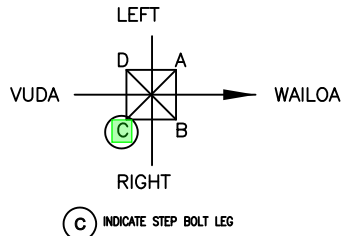
|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| RC steel identified            | 0                                                                         |
| Earth plates fitted/ Compliant | NO - 0                                                                    |
| Climbing Deterrent Fitted      | YES                                                                       |
| Padlock Type                   | None                                                                      |
| Environmental Rating           | Low impact on neighbouring activitiied, low level protection from public. |
| Vehicle Access                 | Grass paddock or hill. Some caution needed in wet weather.                |
| Vegetation Control             | Required Major                                                            |
| Property Usage                 | Cropping                                                                  |
| Foundation Connection Type     | SAC                                                                       |
| Bridge/ Culverts               | NO                                                                        |
| Cell Coverage                  | No Signal                                                                 |
| Insulator Type/ Condition      | PORCELAIN                                                                 |
| Corrosion Zone                 | C4                                                                        |
| Wet Abrasive Blast issues Y/N  | Yes                                                                       |

Wailoa- Vuda



| LANDOWNER DETAILS |         | INSPECTION TEAM<br>LUMEN |            | Date             | GPS COORDINATES (WGS84) |               |  | WAI-VUD A Paint Towers 19/20            |     | DRG. SIZE | SCALE         | FOLDER     |               |
|-------------------|---------|--------------------------|------------|------------------|-------------------------|---------------|---------------------------------------------------------------------------------------|-----------------------------------------|-----|-----------|---------------|------------|---------------|
| LandOwner         | Unknown | Inspector-Tower          | Karl Formo | 2/04/2023        | LATITUDE                | 17°42'54.36"S |                                                                                       | A3                                      | N/A | CAP18365  |               |            |               |
|                   |         |                          |            | Inspector-Ground | Karl Formo              | LONGITUDE     |                                                                                       |                                         |     |           | 178° 5'7.80"E |            |               |
|                   |         |                          |            | Draft Report     | R. Glover               | 24/04/2023    |                                                                                       |                                         |     |           |               |            |               |
|                   |         |                          |            | Report Review    |                         |               |                                                                                       |                                         |     |           |               |            |               |
| TowerAccess       |         |                          |            |                  |                         |               |                                                                                       |                                         |     |           |               |            |               |
| ContactName       |         |                          |            |                  |                         |               |                                                                                       |                                         |     |           |               |            |               |
| ContactPhone      |         |                          |            |                  |                         |               |                                                                                       |                                         |     |           |               |            |               |
|                   |         |                          |            |                  |                         |               |                                                                                       | Work Scope Assessment Report - Jun-2023 |     | WID       | MR57-2021     | SHEET<br>1 | REVISION<br>2 |
| WAI-VUD-A0183     |         |                          |            |                  |                         |               |                                                                                       |                                         |     |           |               |            |               |





| 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               |  |

| STRUCTURE DESCRIPTION |           |
|-----------------------|-----------|
| LINE:                 | WAI-VUD A |
| STR No.               | 183       |
| BODY EXTN:            | +3        |
| LEG A:                | +3        |
| LEG B:                | +4        |
| LEG C:                | +1        |
| LEG D:                | +5        |
| INSPECTED BY:         | KF        |
| COMPANY:              | LUMEN     |
| DATE:                 | 01/04/23  |

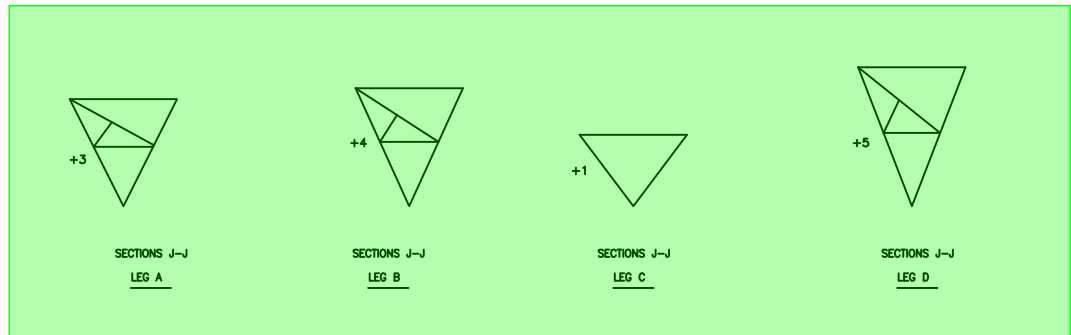
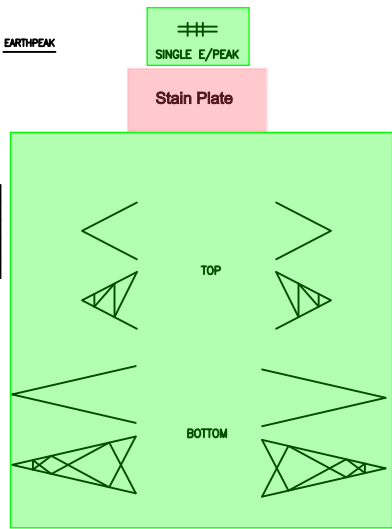
| FOUNDATIONS |  |
|-------------|--|
| GRILLAGE    |  |
| CONCRETE    |  |
| MASS CONC.  |  |

|             |  |
|-------------|--|
| HANGER      |  |
| SWIVEL      |  |
| TBT         |  |
| REPLACEMENT |  |
| ORIGINAL    |  |

|             |  |
|-------------|--|
| HANGER      |  |
| SWIVEL      |  |
| TBT         |  |
| REPLACEMENT |  |
| ORIGINAL    |  |

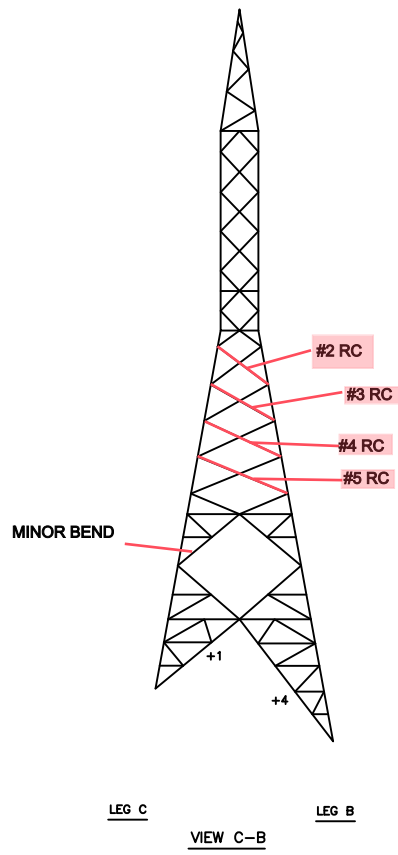
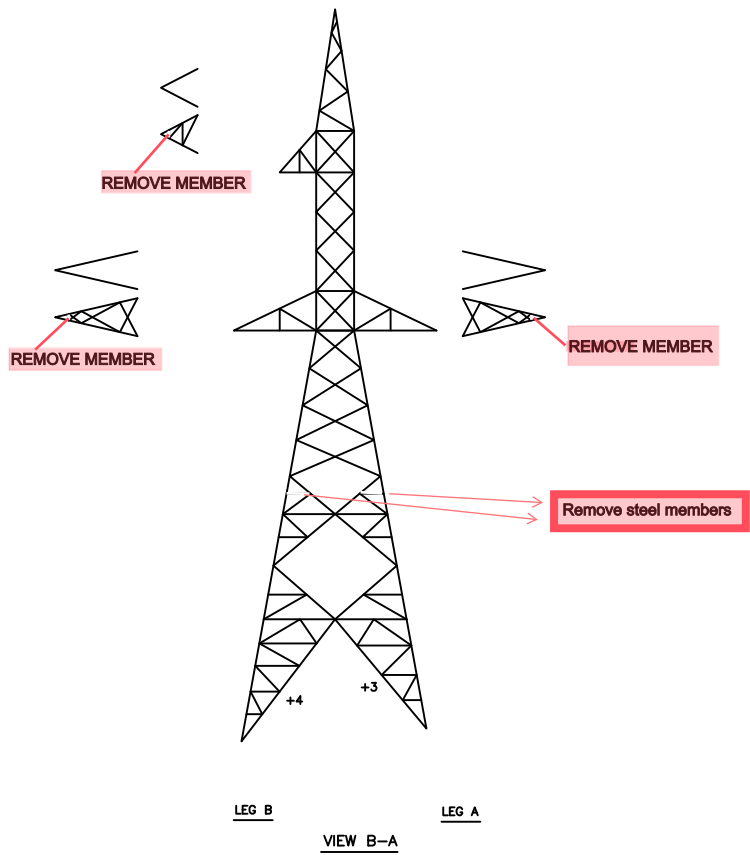
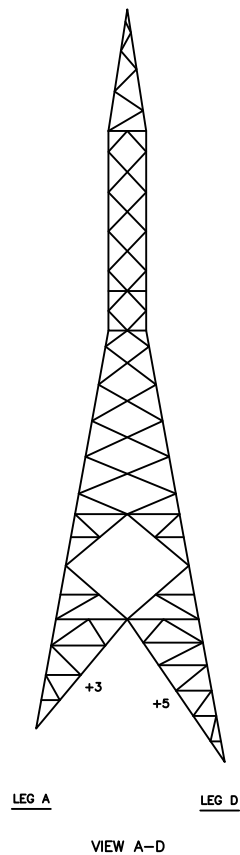
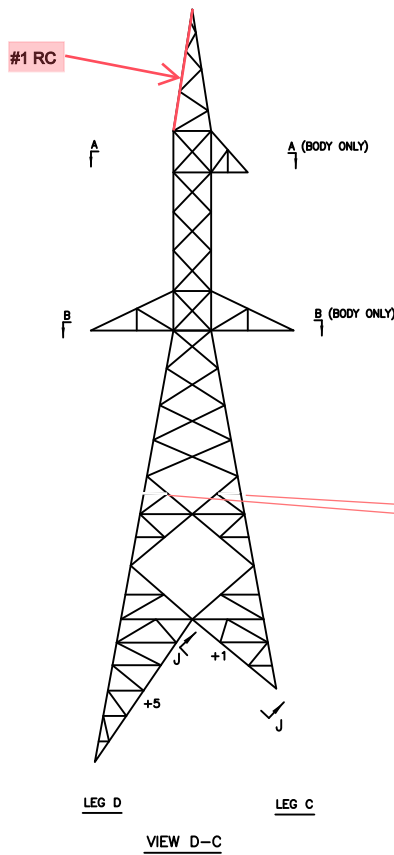
|             |  |
|-------------|--|
| HANGER      |  |
| SWIVEL      |  |
| TBT         |  |
| REPLACEMENT |  |
| ORIGINAL    |  |

|             |  |
|-------------|--|
| HANGER      |  |
| SWIVEL      |  |
| TBT         |  |
| REPLACEMENT |  |
| ORIGINAL    |  |



SECTION A-A

SECTION B-B



TOWER TYPE USED: DGL+3

| AMENDMENT |  |  |  | BY | CHKD | DATE | AMENDMENT |  |  |  | BY | CHKD | DATE |
|-----------|--|--|--|----|------|------|-----------|--|--|--|----|------|------|
|           |  |  |  |    |      |      |           |  |  |  |    |      |      |
|           |  |  |  |    |      |      |           |  |  |  |    |      |      |
|           |  |  |  |    |      |      |           |  |  |  |    |      |      |
|           |  |  |  |    |      |      |           |  |  |  |    |      |      |

|          |       |      |
|----------|-------|------|
| DRAWN    | M.L.  | 6.22 |
| DESIGNED | LUMEN | 6.22 |
| CHECKED  |       |      |
| APPROVED | -     | -    |
| CAD FILE |       |      |

**LUMEN**  
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| ENERGY FIJI LTD                              |  | SCALE N.T.S |         |
|----------------------------------------------|--|-------------|---------|
| VUDA - WAILOA LINE<br>TOWER 3-1(183) OUTLINE |  | VUD-WAI 3-1 | ISS. -1 |