

REV	DATE	REVISIONS	DRAWN	CHK	APP'D
Site of Nataroqin					

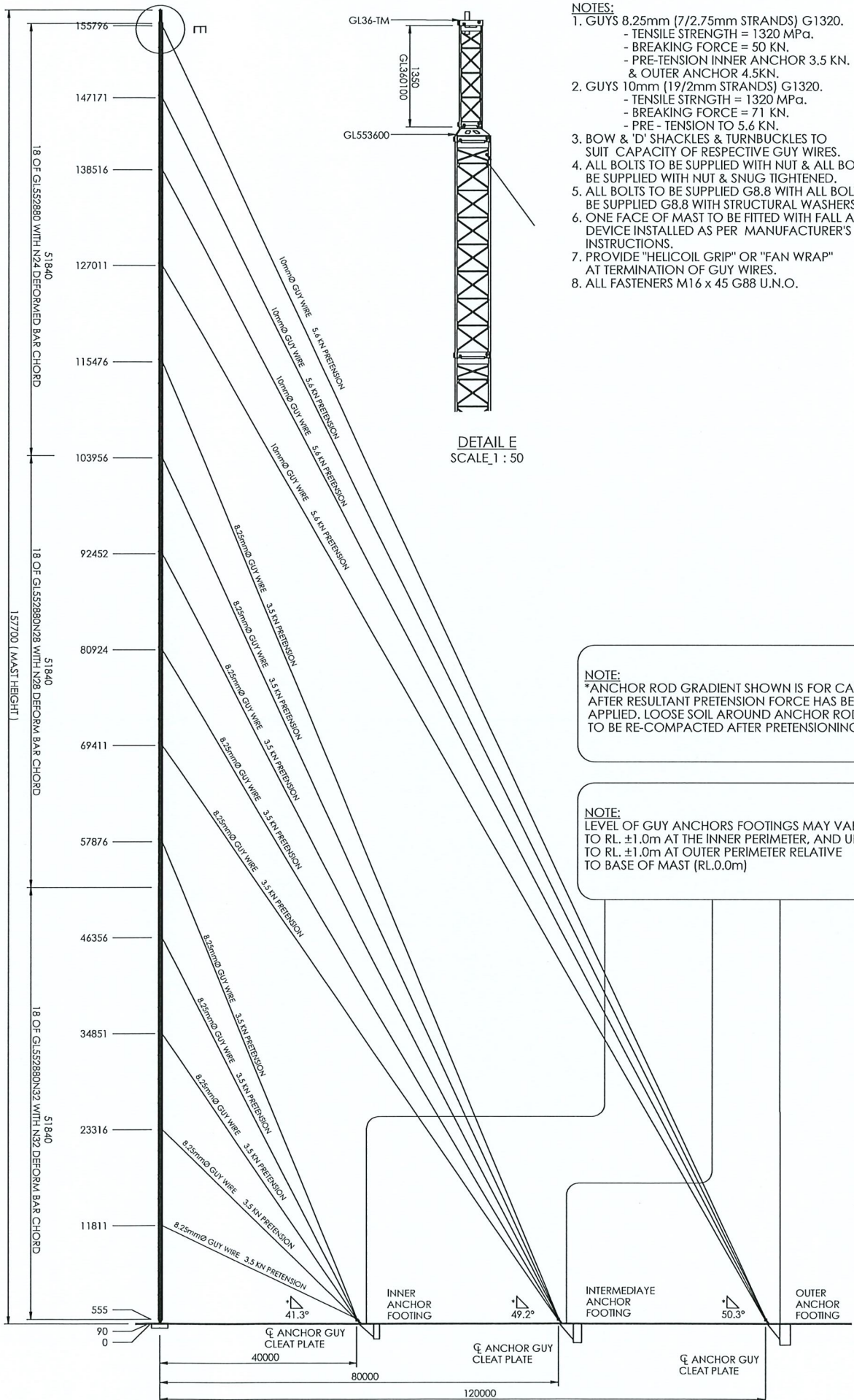


**ART GROUP**  
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ENGINEERING CONSULTANTS  
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SCALE	1:5000	DRAWING NO.	A3	DATE	GENERAL ARRANGEMENT	160m (NOM)	REV.
					GUYPED LATTICE MAST		46

NOT FOR CONSTRUCTION



**MAST ELEVATION**  
SCALE: N.T.S.

- NOTES:**
1. GUYS 8.25mm (7/2.75mm STRANDS) G1320.
    - TENSILE STRENGTH = 1320 MPa.
    - BREAKING FORCE = 50 KN.
    - PRE-TENSION INNER ANCHOR 3.5 KN. & OUTER ANCHOR 4.5KN.
  2. GUYS 10mm (19/2mm STRANDS) G1320.
    - TENSILE STRENGTH = 1320 MPa.
    - BREAKING FORCE = 71 KN.
    - PRE - TENSION TO 5.6 KN.
  3. BOW & 'D' SHACKLES & TURNBUCKLES TO SUIT CAPACITY OF RESPECTIVE GUY WIRES.
  4. ALL BOLTS TO BE SUPPLIED WITH NUT & ALL BOLTS TO BE SUPPLIED WITH NUT & SNUG TIGHTENED.
  5. ALL BOLTS TO BE SUPPLIED G8.8 WITH ALL BOLTS TO BE SUPPLIED G8.8 WITH STRUCTURAL WASHERS - U.N.O.
  6. ONE FACE OF MAST TO BE FITTED WITH FALL ARREST DEVICE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
  7. PROVIDE "HELICOIL GRIP" OR "FAN WRAP" AT TERMINATION OF GUY WIRES.
  8. ALL FASTENERS M16 x 45 G88 U.N.O.

**NOTE:**  
 \*ANCHOR ROD GRADIENT SHOWN IS FOR CASE AFTER RESULTANT PRETENSION FORCE HAS BEEN APPLIED. LOOSE SOIL AROUND ANCHOR RODS TO BE RE-COMPACTED AFTER PRETENSIONING

**NOTE:**  
 LEVEL OF GUY ANCHORS FOOTINGS MAY VARY UP TO RL. ±1.0m AT THE INNER PERIMETER, AND UP TO RL. ±1.0m AT OUTER PERIMETER RELATIVE TO BASE OF MAST (RL.0.0m)