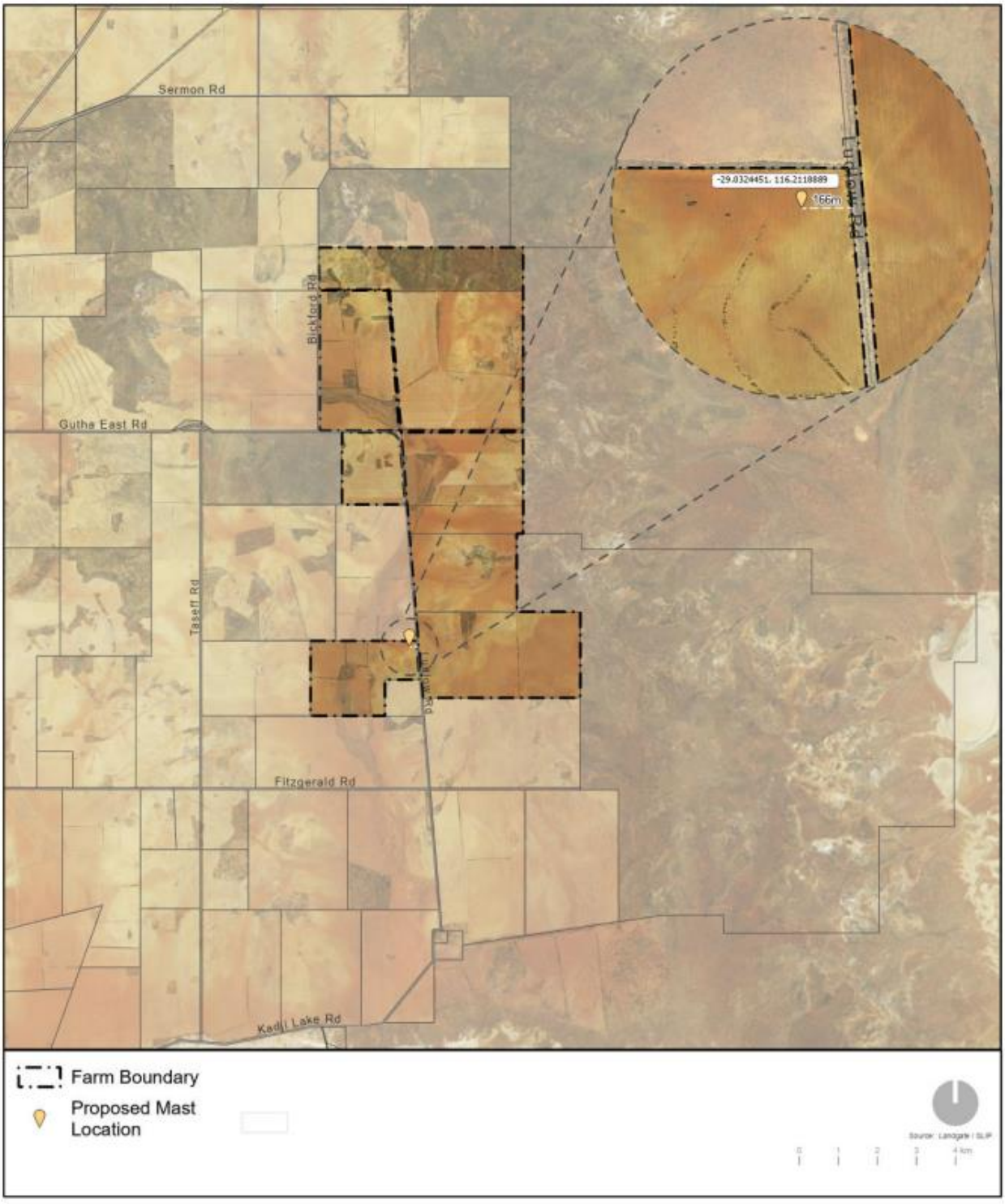
Figure 1 Aerial Site Plan



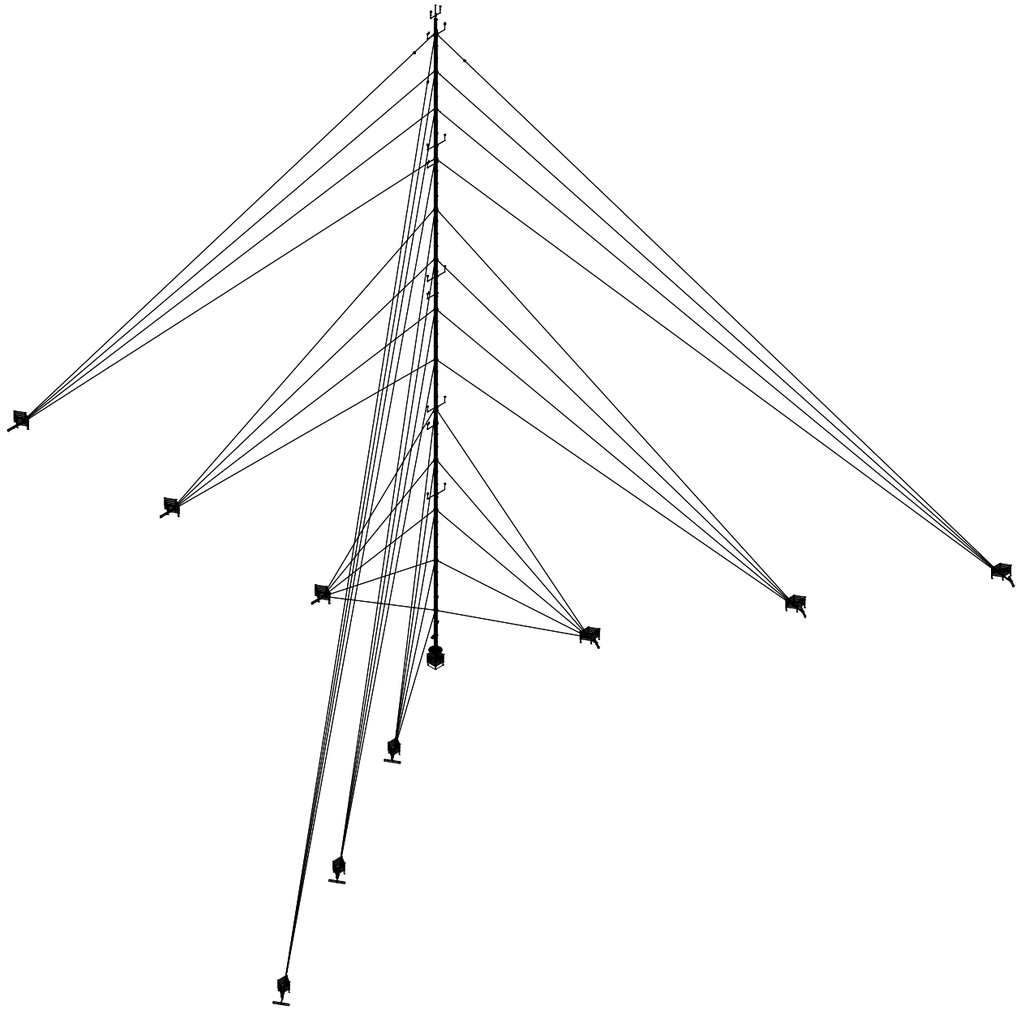
[redacted]

DRAWING REGISTER	
SHEET TITLE	**SHEET No.**
TITLE SHEET & DRAWING REGISTER	1/9
GENERAL NOTES	2/9
MAST PLAN	3/9
MAST ELEVATION	4/9
MAST ANCILLARY DETAILS	5/9
MAST FOOTING DETAILS - CAST IN-SITU	6/9
EARTHING DETAILS	7/9
FENCING DETAILS	8/9
FALL ARREST DETAILS	9/9

[redacted]

MAST NAME:	GERI MAST 05 PK 2
COORDINATES:	**UTM S 50 J:** 423263.977, 6788159.414
	dd.ddddd°: -29.032483, 116.211922
DESCRIPTION:	150m (NOM.) TEMPORARY GL55-36 GUYED LATTICE MAST
WIND REGION:	A0
TERRAIN CATEGORY:	2
STRUCTURAL IMPORTANCE:	LEVEL 1

AS3995-1994 & AS1170.2:2021



1 S-01 ISOMETRIC VIEW

NOTES

REV	DESCRIPTION	DATE

[redacted]

GENERAL NOTES

1. ALL MAST STEELWORK COMPONENTS, ASSEMBLIES AND PARTS CALLED OUT ON DETAILS, SECTIONS AND BILL OF MATERIALS ARE THE PROPRIETARY PRODUCTS OF ART GROUP UNLESS NOTED OTHERWISE (U.N.O). COMPLETE DETAILS AND INFORMATION OF ART GROUP PRODUCTS SHOWN ON PRODUCTION SHOP DRAWINGS.
2. ALL DIMENSIONS TO BE CHECKED ON-SITE PRIOR TO CONSTRUCTION.
3. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS U.N.O.
4. DO NOT GET DIMENSIONS BY SCALING DRAWINGS.
5. ALL WORKMANSHIP PREFORMED AND MATERIALS USED SHALL BE AS PER THE CURRENT AUSTRALIAN STANDARDS, THE BY-LAWS, AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY.
6. ALL BOLTS ARE GRADE 8.8 STRUCTURAL ASSEMBLIES SUPPLIED WITH NUT AND WASHER U.N.O.
7. ALL BOLTS TO BE SNUG TIGHTENED U.N.O.
8. MAINTAIN STABLE CONDITIONS OF STRUCTURE DURING CONSTRUCTION AND DO NOT OVER STRESS ANY PART DURING CONSTRUCTION.
9. PROVIDE "HELICOIL GRIP": OR "FAN WRAP" AT TERMINATION OF ALL GUY WIRES.
10. INSTALL LAD-SAF FALL ARREST SYSTEM AS PER MANUFACTURES SPECIFICATIONS.

LOCATION

1. THE MAST LOCATION AND PROXIMITY TO PUBLIC ROADS, BUILDINGS AND OTHER INFRASTRUCTURE IS THE RESPONSIBILITY OF THE CLIENT AND RELEVANT LOCAL COUNCIL, STATE AND FEDERAL AUTHORITIES. UNLESS OTHERWISE STATED, ART IS NOT RESPONSIBLE FOR THE FINAL LOCATION IN REGARD TO COMPLIANCE WITH RELEVANT LOCAL COUNCIL, STATE AND FEDERAL AUTHORITIES.

EARTHING

1. UNLESS OTHERWISE SPECIFIED ART IS NOT RESPONSIBLE FOR THE SITE EARTHING SYSTEM COMPLIANCE TO AS/NZS 1768-2021 Cl 3.5.3 (EARTHING RESISTANCE RECOMMENDED VALUES) AS WELL AS THE PROVISION OF GEOTECHNICAL AND SOIL RESISTIVITY SURVEY DATA.
2. THE METAL GUY WIRES ARE CONSIDERED ADEQUATELY EARTHED AS THEY ARE ATTACHED TO BURIED STEEL ANCHOR RODS SET IN EARTH (REFER TO AS/NZS 1768-2021 Appendix I.5.1)
3. THE TOWER METALLIC STRUCTURE IS CONSIDERED A NATURAL DOWN CONDUCTOR AND REQUIRES NO ADDITIONAL DOWNCONDUCTOR (REFER TO AS/NZS 1768-2021 CI 3.3.3)

STEEL ERECTION

1. MAST INSTALLATION DESIGNED FOR DERRICK-POLE OR CRANE ERECTION.
2. FOR CRANE LIFTS ASSEMBLED SECTIONS MUST NOT EXCEED 40m IN A SINGLE LIFT UNLESS TWO CRANES ARE USED IN A DUAL LIFT CONFIGURATION.
3. FOR DERRICK-POLE LIFTS ONLY ONE SECTION AT A TIME TO BE RAISED WITH DERRICK-POLE.

FOOTINGS & FOUNDATIONS

1. REMOVE ALL TOPSOIL AND UPPER STRATA CONTAINING ORGANIC MATTER FOR ALL FOOTINGS.
2. IF MATERIAL ON-SITE IS NOT SUITABLE FOR STANDARD COMPACTION SPECIFICATION, THEN IMPORTED FILL OR BACKFILL SHALL CONSIST OF APPROVED MATERIAL INSTALLED AS PER COMPACTION SPECIFICATIONS.
3. GROUND COLLAPSE CONTROL MEASURES SHALL BE USED WHERE GROUND COLLAPSE MAY OCCUR BY APPLYING EITHER SHORING, BENCHING AND OR BATTERING. LOCAL WHS CODE OF PRACTICE SHALL BE ADHERED TO.
4. FOR LOCAL SOIL CONDITIONS REFER TO FLOW CONSULTING ENGINEERS GEOTECHICAL REPORT NUMBER 24FCE1028 ISSUED ON 28/03/2024

MAST GUY WIRE SPECIFICATIONS

GUY WIRES: AS APPLICABLE

- Ø8.25 (7/2.75) G1320
  TENSILE STRENGTH 1320 MPa
  PRE-TENSION 3.5 kN

- Ø10 (19/2.00) G1320
  TENSILE STRENGTH 1320 MPa
  PRE-TENSION 5 kN

GUY ANCHOR COMPACTION SPECIFICATIONS

1. THE LEVEL OF TOLERANCE OF GUY ANCHOR FOOTINGS MAY VARY (HIGHER/LOWER) WITHOUT ENGINEERING REVIEW MAINTAINING NOMINATED GUY ANCHOR ANGLES AS SPECIFIED BY THE STRUCTURAL ENGINEER.
   INNER FOOTING: 3.0m
   INTERMEDIATE FOOTING: 6.0m
   OUTER FOOTING: 6.0m
2. EXCAVATE ANCHOR PIT AND INSTALL STEEL ANCHOR BEAM, ANCHOR ROD AND ATTACHMENTS AS SPECIFIED IN DETAILS AND INFORMATION PROVIDED ON STRUCTURAL DRAWINGS.
3. CLAYS OR SILTS (BASED ON Φ=20° AND Cu=20kPa) OR COMPACTABLE SANDS (BASED ON Φ=32° MIN.) CAN BE USED AS FILL MATERIAL. MINIMUM SOIL PROPERTIES ARE AS STATED ABOVE UNLESS A GEOTECHNICAL REPORT IS PROVIDED IN WHICH CASE SPECIFIC SELECT FILL PARTICLES SIZE AND SHAPE IS TO SUIT COMPACTED LAYER THICKNESS AS PER THE GEOTECHNICAL REPORT SPECIFICATIONS.
4. ACHIEVE ADEQUATE COMPACTION BY PROVIDING A COMPACTED DENSITY EQUAL TO A CONTROLLED FILL CLASSIFICATION AS DEFINED IN AS2870. PLACE FILL IN LAYERS NO GREATER THAN 150mm WHEN COMPACTED. ACHIEVE REQUIRED COMPACTION BY MECHANICAL TAMPING SUCH AS COMPACTION BY RODDING, VIBRATING PLATE, SMOOTH DRUM ROLLER ATTACHED TO A BACKHOE/EXCAVATOR, OR WALK BEHIND WHACKER PACKER.
5. ANGLE OF ANCHOR ROD SHOWN ON GUY ANCHOR FOOTING SCHEDULE REFERS TO PRETENSION FORCE BEING APPLIED TO GUY-WIRES AND RE-COMPACTION OF LOOSE SOIL FOLLOWING PRETENSION.

CONCRETE

1. ALL WORKMANSHIP PREFORMED AND MATERIALS USED ARE AS PER AS3600.
2. PLACE CONCRETE WITH COMPRESSIVE STRENGTH F'C 32MPa AS DEFINED IN AS1379.
3. MAST BASE FOUNDATION: CONCRETE COVER OF 75mm MIN. TOP, BOTTOM AND SIDES.
4. GUY ANCHOR FOUNDATION: MIN. 50mm CONCRETE COVER AROUND THE STEEL ANCHOR BEAM; FOR TOTAL CONCRETE DEPTH REFER TO GUY ANCHOR FOOTING SCHEDULE.
5. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS MADE IN CONCRETE MEMBERS WITHOUT THE WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
6. REINFORCEMENT SYMBOLS:
   N - GRADE 500 NORMAL DUCTILITY DEFORMED BAR. THE NUMBER FOLLOWING THESE SYMBOLS INDICATES BAR DIAMETER IN MILLIMETRES U.N.O.
   REINFORCEMENT TO COMPLY WITH AS4671.

STEEL WORK

1. ALL WORKMANSHIP PREFORMED AND MATERIALS USED ARE AS PER AS4100 AND AS1554. EXCEPTION MAY BE PERMITTED ONLY WDIM HERE AS VARIED BY APPROVED CONTRACT DOCUMENTS.
2. UNLESS NOTED OTHERWISE, THE FOLLOWING STEEL GRADES YEILD STRENGTH APPLY TO MAST SECTIONS:
   MAST CORD (LEGS) 500 MPa
   MAST WEBBING 300 MPa
   PLATES 250 MPa
3. WELDED CONNECTIONS BETWEEN STRUCTURAL MEMBERS ARE 6mm CONTINUOUS FILLET WELD (OR SIZE EQUIVALENT TO THE MINIMUM THICKNESS OF CONNECTION MEMBERS IF LESS THAN 6mm) U.N.O. WELDED CONNECTIONS BETWEEN LATTICE & CHORDS ARE 6mm MIN. COMPLETE M AND INCOMPLETE PENETRATION BUTT WELDS CLASS SP U.N.O.
4. BOLT TYPES AND DESIGNATIONS WHERE USED ARE AS FOLLOWS:
   4.6/S COMMERCIAL BOLTS TO AS1111 SNUG TIGHTENED 8.8/S HIGH STRENGTH STRUCTURAL ASSEMBLY (BOLTS, NUTS AND HARDENED WASHERS) TO AS1252 SNUG TIGHTENED ONLY FOR ALL MAST SECTIONS U.N.O.
5. M16 HIGH STRENGTH (8.8/S) BOLTS USED TYPICALLY IN ALL CONNECTIONS U.N.O. NOTWITHSTANDING THIS, NO STEEL-TO-STEEL CONNECTIONS ASSEMBLED WITH LESS THAN 2/ M16 (8.8/S) BOLTS U.N.O. U-BOLTS (4.6/S) USED FOR ANCILLARIES INSTALLATION U.N.O.
6. BOLT HOLES IN STEEL-TO-STEEL AND STEEL-TO-CONCRETE CONNECTIONS WITH BOLT DIAMETER +2mm AND +3mm RESPECTIVELY. BASE PLATES MUST HAVE A BOLT DIAMETER +6mm U.N.O.
7. ALL NUTS, BOLTS AND WASHERS ARE GALVANIZED U.N.O.
8. WELD MATERIAL REQUIRES A NOMINAL TENSILE STRENGTH OF 490MPa AS PER AS4100 AMENDMENT 1, 2012, TABLE 9.7.3.10(1).
9. ALL WELDS REQUIRE CATEGORY SP AS PER AS1554 PART 1 U.N.O. PART 3 U.N.O.
10. PROTECTIVE SURFACE TREATMENT APPLIED TO STRUCTURAL STEELWORK AS FOLLOWS:
    GENERAL MAST FINISH:
    HOT-DIP GALVANIZE "HDG600" (AS2312) (AVERAGE 90 MICRON).
    GUY ANCHOR BEAMS & ANCHOR RODS FINISH:
    HOT-DIP GALVANIZE "HDG600" (AS2312) (AVERAGE 90 MICRON).
    BLACK STEEL MAY BE USED WHERE ANCHOR BEAM IS ENCASED IN CONCRETE.

MAST DESIGN LOADS	
WIND PARAMETERS (AS1170.2:2021)	
WIND REGION	A0
TERRAIN CATEGORY	2
IMPORTANCE LEVEL (AS1170.0:2011)	1
TOPOGRAPHIC MULTIPLIER Mt	1.000
DIRECTIONAL MULTIPLIER Md	1
CLIMATE CHANGE MULTIPLIER Mc	1
REGIONAL WIND SPEED Vr (m/s) (1)	38
SERVICE WIND Vs (m/s) (2)	27
DEPLOYMENT TYPE (3)	TEMPORARY
STRUCTURE SERVICE LIFE (4)	5 YEARS
MAST STEELWORK INFORMATION	
MAST HUB HEIGHT	150110
MAST HEIGHT	147806
STANDARD MAST SECTION HEIGHT (GL55)	2880
MAST BASE HEIGHT (GL55)	465
MAST BASE RL.	100
MAST FOOTING & SOIL PROPERTIES	
SOIL ALLOWABLE BEARING CAPACITY (kPa) (5)	100 kPa
DENSITY OF SOIL (kN/m³)	17 kN/m³
INTERNAL ANGLE OF FRICTION (DEGREES°)	30°
MAST FOUNDATION	CONCRETE IN SITU
FOUNDATION DIMENSIONS (WxLxD)	1800x1800x700

NOTES: (Δ)

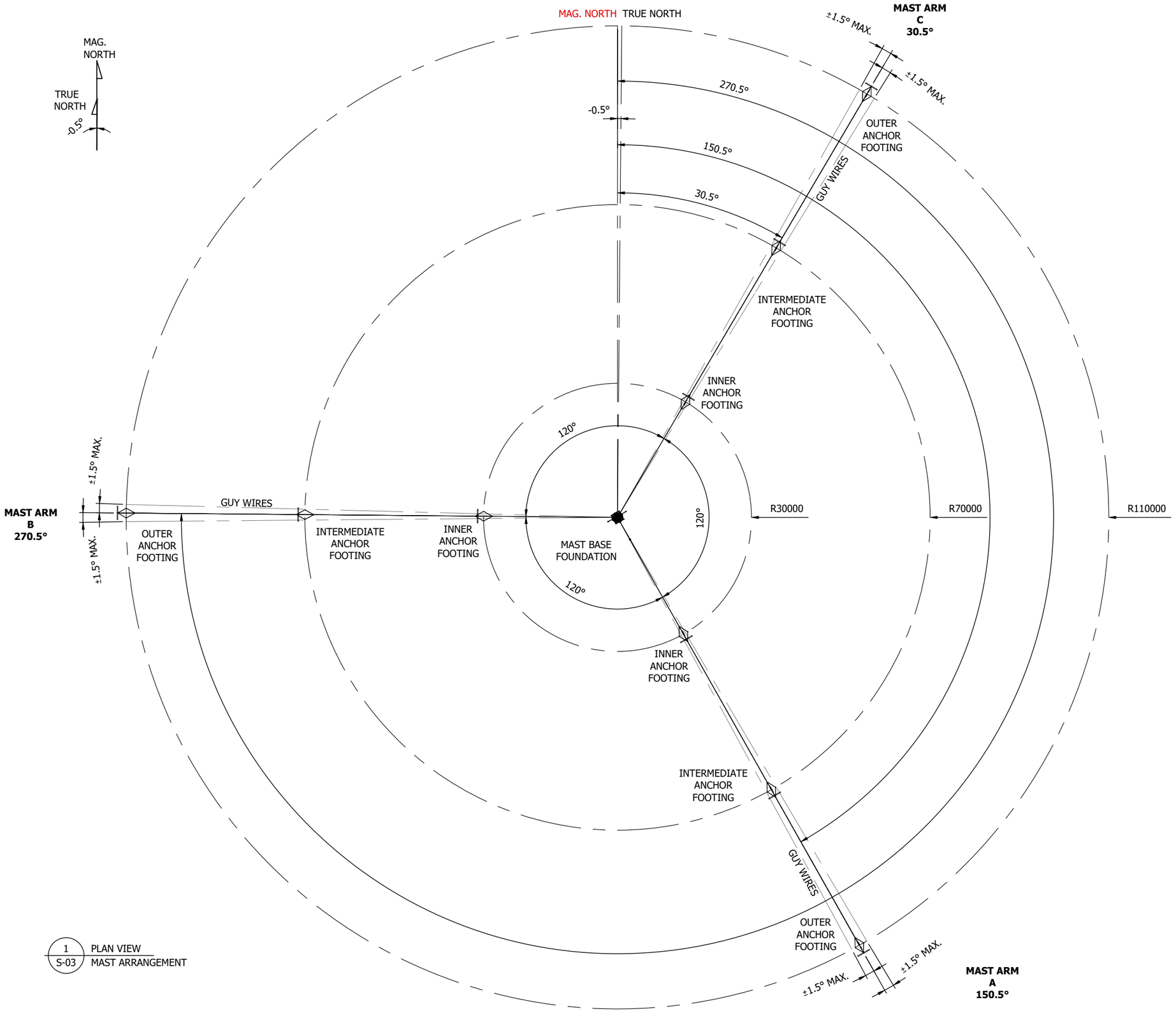
1. REGIONAL WIND SPEED FOR AS1170.2:2021 CALCULATIONS OF WIND PRESSURE DETERMINED VIA AS1170.0:2011 ANNEX F TAKING INTO ACCOUNT THE DESIGN WORKING LIFE OF THE DEPLOYMENT TYPE AND ANNUAL PROBABILITY OF WIND EVENT EXCEEDANCE IN ACCORDANCE WITH THE IMPORTANCE LEVEL. THE DESIGN WORKING LIFE IS CONSIDERED AS 5 YEARS FOR TEMPORARY MASTS AND 25 YEARS FOR PERMANENT MASTS.
2. SERVICE WIND SPEED BASED ON CRITERION OF SERVICEABILITY OF COMMUNICATION LATTICE TOWERS WHICH TAKES INTO CONSIDERATION OUTAGES IN BROADCASTING OR LOSS OF SIGNAL IN MICROWAVE RADIO LINKS. A 27 m/s WIND SPEED IS THE REFERENCE SPEED ANNOTATED IN AS3995-1994 ANNEX A AND OTHER INTERNATIONAL STANDARDS THAT REGULATES THIS TYPE OF STRUCTURAL DESIGN.
3. AS DEFINED IN THE PROJECT SCOPE OF WORKS.
4. MINIMUM SERVICE LIFE EXPECTED FOR STEEL MEMBERS, PROTECTIVE COATINGS AND CONCRETE ELEMENTS WITHOUT COMPROMISED TO STRUCTURAL INTEGRITY WITH STANDARD LEVEL OF MAINTENANCE.
5. THE ULTIMATE SOIL CAPACITY IS TAKEN AS AT LEAST 1.5 TIMES THE REFERRED ALLOWABLE CAPACITY.

* MAINTENANCE LOAD CONSIDERED AS 2 PERSONNEL AT A TIME OR EQUIVALENT.

NOTES

REV	DESCRIPTION	DATE
02	UPDATED COORDINATES	22/05/24
01	REVISED LOCATION	13/05/24
00	ISSUED FOR CONSTRUCTION	21/03/24

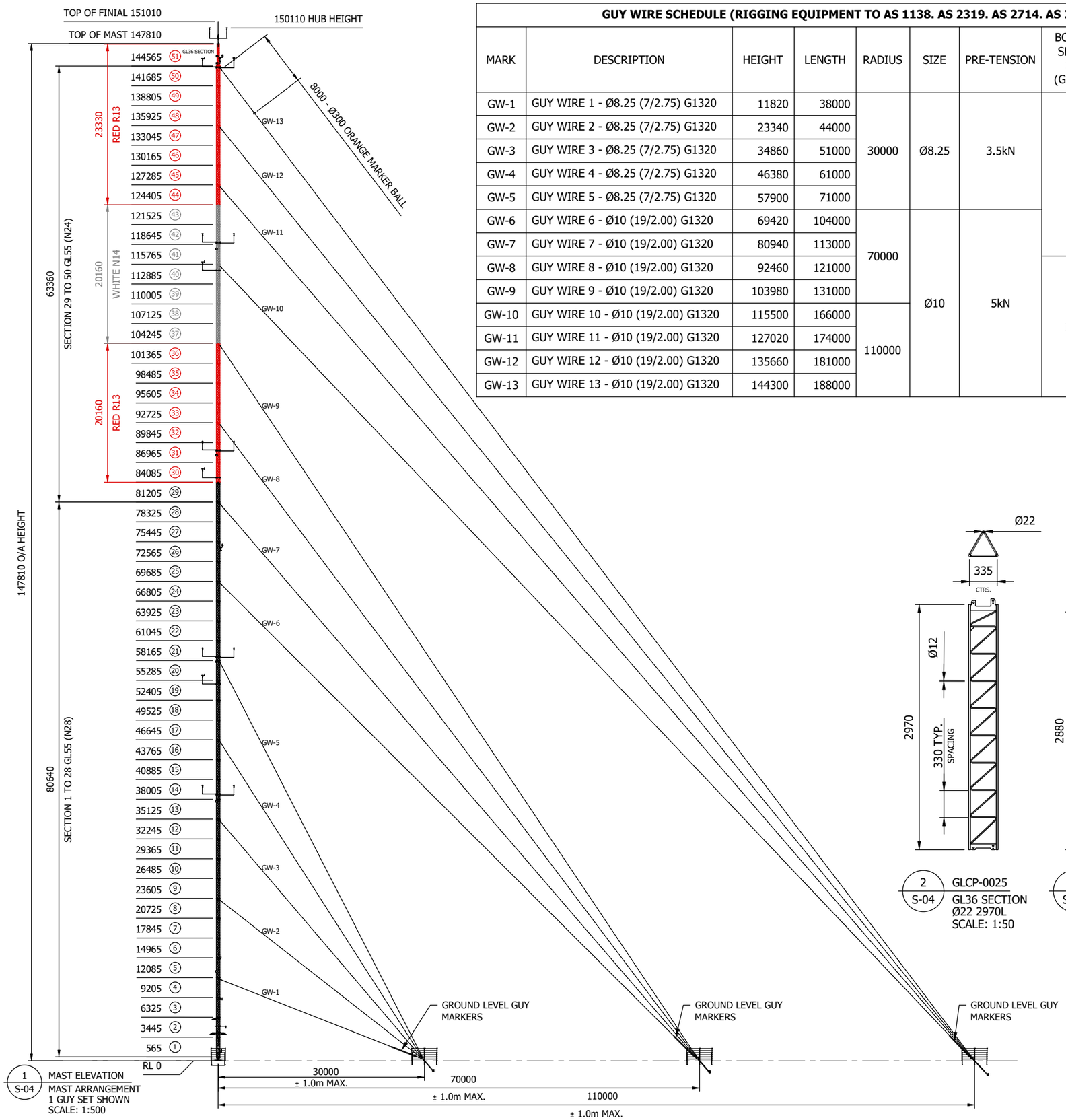
[redacted]



1 / S-03 PLAN VIEW
MAST ARRANGEMENT

NOTES

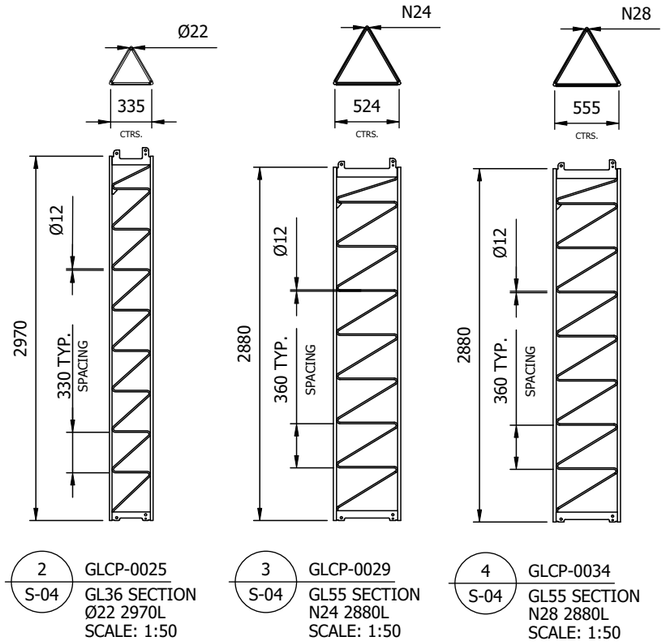
REV	DESCRIPTION	DATE



1 / S-04 MAST ELEVATION
MAST ARRANGEMENT
1 GUY SET SHOWN
SCALE: 1:500

GUY WIRE SCHEDULE (RIGGING EQUIPMENT TO AS 1138. AS 2319. AS 2714. AS 2759. AS 4991.)

MARK	DESCRIPTION	HEIGHT	LENGTH	RADIUS	SIZE	PRE-TENSION	BOW & 'D' SHACKLE GALV. (GRADE S)	TURNBUCKLE GALV. (GRADE P)	FAN-WRAP GALV. (GRADE GFG 083)	THIMBLE GALV. (GRADE 3025)
GW-1	GUY WIRE 1 - Ø8.25 (7/2.75) G1320	11820	38000	30000	Ø8.25	3.5kN	19mm	5/8"	8.25mm	11mm
GW-2	GUY WIRE 2 - Ø8.25 (7/2.75) G1320	23340	44000							
GW-3	GUY WIRE 3 - Ø8.25 (7/2.75) G1320	34860	51000							
GW-4	GUY WIRE 4 - Ø8.25 (7/2.75) G1320	46380	61000							
GW-5	GUY WIRE 5 - Ø8.25 (7/2.75) G1320	57900	71000							
GW-6	GUY WIRE 6 - Ø10 (19/2.00) G1320	69420	104000	70000	Ø10	5kN			10mm	14mm
GW-7	GUY WIRE 7 - Ø10 (19/2.00) G1320	80940	113000							
GW-8	GUY WIRE 8 - Ø10 (19/2.00) G1320	92460	121000				16mm	7/8"		
GW-9	GUY WIRE 9 - Ø10 (19/2.00) G1320	103980	131000							
GW-10	GUY WIRE 10 - Ø10 (19/2.00) G1320	115500	166000	110000						
GW-11	GUY WIRE 11 - Ø10 (19/2.00) G1320	127020	174000							
GW-12	GUY WIRE 12 - Ø10 (19/2.00) G1320	135660	181000							
GW-13	GUY WIRE 13 - Ø10 (19/2.00) G1320	144300	188000							



2 / S-04 GLCP-0025
GL36 SECTION
Ø22 2970L
SCALE: 1:50

3 / S-04 GLCP-0029
GL55 SECTION
N24 2880L
SCALE: 1:50

4 / S-04 GLCP-0034
GL55 SECTION
N28 2880L
SCALE: 1:50

NOTES

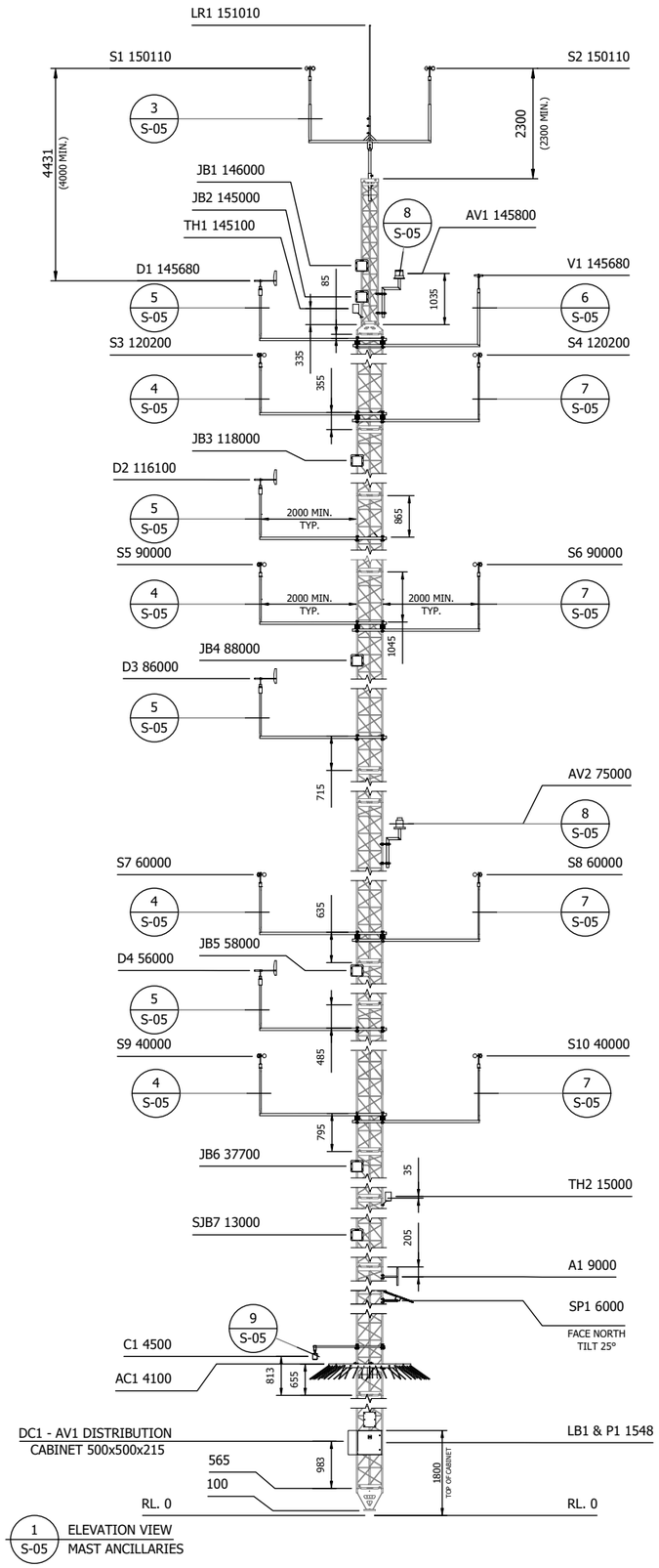
1. REFER TO GENERAL NOTES (SHEET 2) FOR MAST SPECIFICATIONS AND ART PROPRIETARY PRODUCT DISCLOSURE.
2. REFER TO MAST ANCILLARY DETAILS (SHEET 5) FOR ANCILLARY DETAILS AND INFORMATION.
3. REFER TO MAST FOOTING DETAILS (SHEET 6) FOR FOOTING DETAILS AND INFORMATION.
4. GW-5, GW-8,: FROM THE CENTER OF THE INSTRUMENT TO GUY WIRE, CLEARANCES ARE:
   GW-5, 1220mm
   GW-8, 955mm

REV	DESCRIPTION	DATE

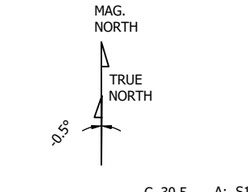
PRIMARY (B)
TRUE NORTH: 60°
MAG. NORTH: 60.5°

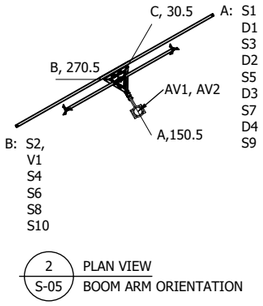
MAGNETIC DECLINATION:
-0.5°

SECONDARY (A)
TRUE NORTH: 240°
MAG. NORTH: 240.5°

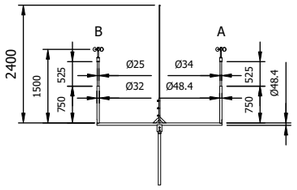


1 S-05 ELEVATION VIEW MAST ANCILLARIES

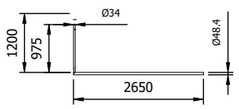




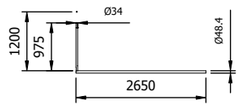
2 S-05 PLAN VIEW BOOM ARM ORIENTATION



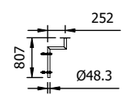
3 S-05 BAAS - 0010
TOP GOAL-POST
ANEMOMETER-THIES FCA2/X
ANEMOMETER-VECTOR A100



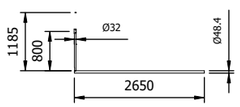
4 S-05 BA-040
BOOM ARM
ANEMOMETER
THIES FCA2/X



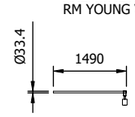
5 S-05 BA-069
WIND VANE
THIES FIRST CLASS



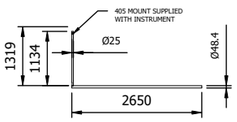
8 S-05 MOAS-0016
AVIATION LIGHT MOUNT



6 S-05 BA-081
BOOM ARM
ANEMOMETER
RM YOUNG VERTICAL



9 S-05 BACP-0080
EUFY CAMERA BOOM ARM



7 S-05 BA-047
ANEMOMETER
VECTOR A100

MAST ANCILLARY LOADING

MARK	DESCRIPTION	HEIGHT	SECTION	ESA m²
LR1	LIGHTNING ROD	151010	TOP	0.56
S1	ANEMOMETER THIES FCA2	150110		
S2	ANEMOMETER VECTOR A100 SERIES			
JB1	JUNCTION BOX	146000	51	0.06
AV1	AVIATION LIGHT AV-OL-MI-DC TYPE B	145800		0.02
D1	WIND VANE THIES FIRST CLASS	145680	50	0.22
V1	RM YOUNG VERTICAL ANEMOMETER			0.22
TH1	TEMP. & HUMIDITY GALTEC MELA KPC	145100	51	0.02
JB2	JUNCTION BOX	145000		0.06
S3	ANEMOMETER THIES FCA2	120200	42	0.22
S4	ANEMOMETER VECTOR A100 SERIES			0.22
JB3	JUNCTION BOX	118000	41	0.06
D2	WIND VANE THIES FIRST CLASS	116100	40	0.22
S5	ANEMOMETER THIES FCA2	90000	31	0.22
S6	ANEMOMETER VECTOR A100 SERIES			0.22
JB4	JUNCTION BOX	88000		0.06
D3	WIND VANE THIES FIRST CLASS	86000	30	0.22
AV2	AVIATION LIGHT OL800 STANDARD	75000	26	0.02
S7	ANEMOMETER THIES FCA2	60000	21	0.22
S8	ANEMOMETER VECTOR A100 SERIES			0.22
JB5	JUNCTION BOX	58000	20	0.06
D4	WIND VANE THIES FIRST CLASS	56000	19	0.22
S9	ANEMOMETER THIES FCA2	40000	14	0.22
S10	ANEMOMETER VECTOR A100 SERIES			0.22
JB6	JUNCTION BOX	37700	13	0.06
TH2	TEMP. & HUMIDITY GALTEC MELA KPC	15000	5	0.02
SJB7	SMALL JUNCTION BOX	13000		0.06
A1	ANTENNA OMNI COL8195	9000	3	0.02
SP1	SOLAR PANEL SOLARWAT 50w	6000	2	0.33
C1	EUFY CAMERA	4500		0.22
AC1	ANTI CLIMB TO SUIT N28 BAR CHORD	4100		0.27
DC1	AV1 DISTRIBUTION CABINET - AE 1007600	1548	1	0.27
LB1	CAMPBELL SCIENTIFIC DATA LOGGER CR1000X			0.27
P1	PRESSURE SENSOR VAISALA PTB110 (INSIDE LB1)			
			TOTAL ESA m²	5.3

NOTES:
1. STRUCTURAL ALLOWANCE FOR BUNDLED CABLES DOWN MAST LEG(S).
2. ESA VALUES INCLUDE BOOM ARMS, BRACKETS AND INSTRUMENTS.

NOTES

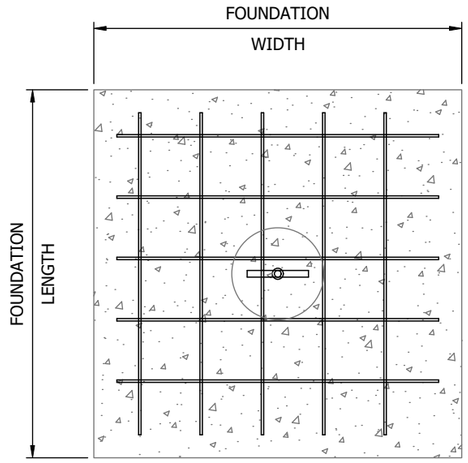
REV	DESCRIPTION	DATE
02	UPDATED COORDINATES	22/05/24
01	REVISED LOCATION	13/05/24
00	ISSUED FOR CONSTRUCTION	21/03/24

[redacted]

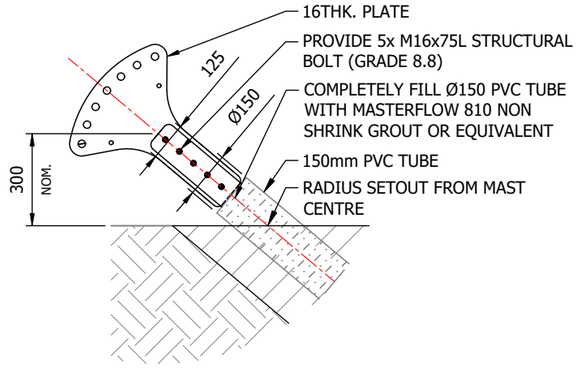
MAST BASE FOUNDATION			
WIDTH	LENGTH	DEPTH	VOL. OF CONCRETE
1600	1600	700	1.792m³

GUY ANCHOR FOOTING SCHEDULE															
FOOTING	RADIUS	No. GUYS	EXCAV. WIDTH	EXCAV. LENGTH	EXCAV. DEPTH	ANCHOR BEAM	CONC. DEPTH	CONC. VOL. PER ANCHOR	ANGLE	DIM A	DIM B	DIM C	GROUT WEIGHT (kg)	PIPE LENGTH	ANCHOR HEAD
INNER	30000	5	800	3400	1800	3000	400	1.088m³	48°	1526	400	2600	64	2300	7 HOLE
INTERMEDIATE	70000	4	800	3400	1800	3000	400	1.088m³	49°	1512	400	2600	64	2300	7 HOLE
OUTER	110000	4	800	3400	1800	3000	400	1.088m³	47°	1609	400	2660	88	3200	7 HOLE

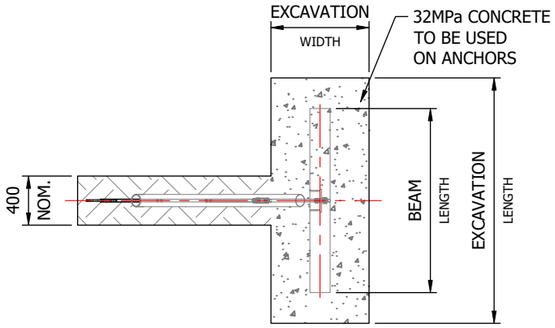
NOTES
1. REFER TO GENERAL NOTES (SHEET 2) GUY ANCHOR CONCRETE & COMPACTION SPECIFICATIONS.
2. IN ORDER TO MEET REQUIRED DEPTH, INNER ANCHORS NEED CUSTOM ADJUSTABLE ANCHOR ARMS (SEE ANCHOR PLATE SCHEDULE TABLE)
3. DO NOT USE MORE THAN TWO ANCHOR PLATES PER ANCHOR. IF IN DOUBT CONSULT WITH ART ENGINEERING.



1 / S-06 PLAN VIEW
CONCRETE IN-SITU MAST BASE
STEEL IS SHOWN FOR CLARITY
TYPICAL DETAIL

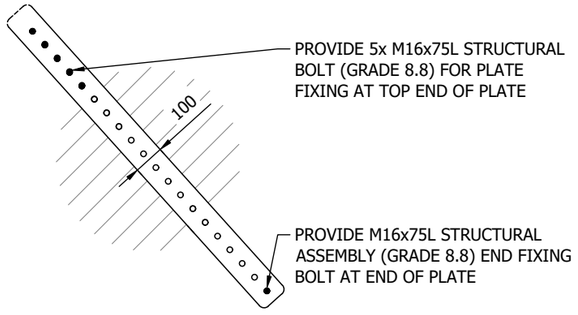


A / S-06 DETAIL VIEW
ANCHOR HEAD ASSEMBLY
TYPICAL DETAIL

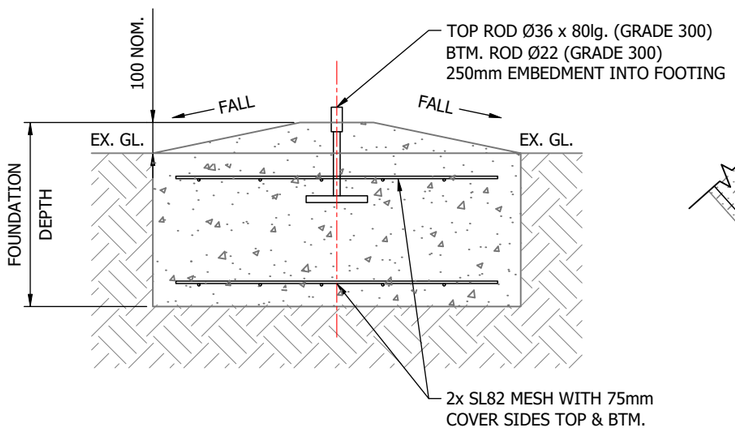


3 / S-06 PLAN VIEW
GUY ANCHOR FOOTING
TYPICAL DETAIL

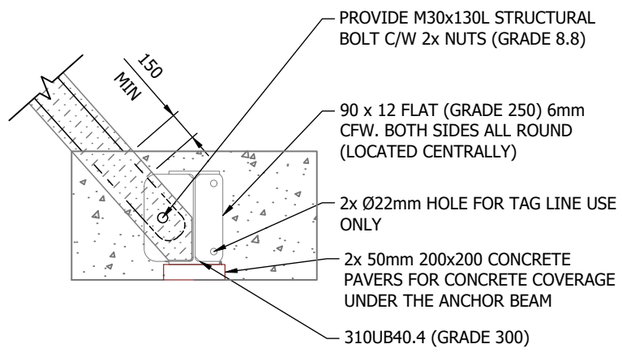
ANCHOR PLATE SCHEDULE (SEE NOTE 3)		
FOOTING	**ANCHOR ARM BASE**	**ANCHOR BOLTED ARM CENTER**
INNER	ANPA-0045_01	ANPA-0060_00
INTERMEDIATE	ANPA-0045_01	ANPA-0060_00
OUTER	ANPA-0045_01	ANPA-0060_00



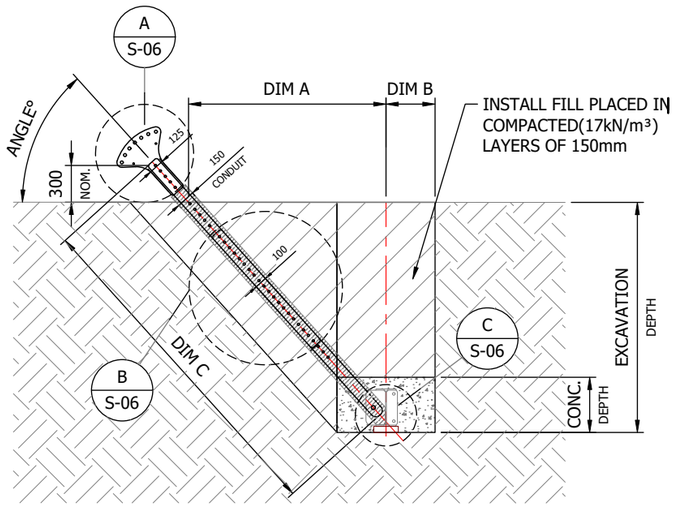
B / S-06 DETAIL VIEW
ANCHOR ROD CONNECTION
PVC TUBE & EARTH NOT SHOWN FOR CLARITY
TYPICAL DETAIL



2 / S-06 ELEVATION VIEW
CONCRETE IN-SITU MAST BASE
STEEL IS SHOWN FOR CLARITY
TYPICAL DETAIL

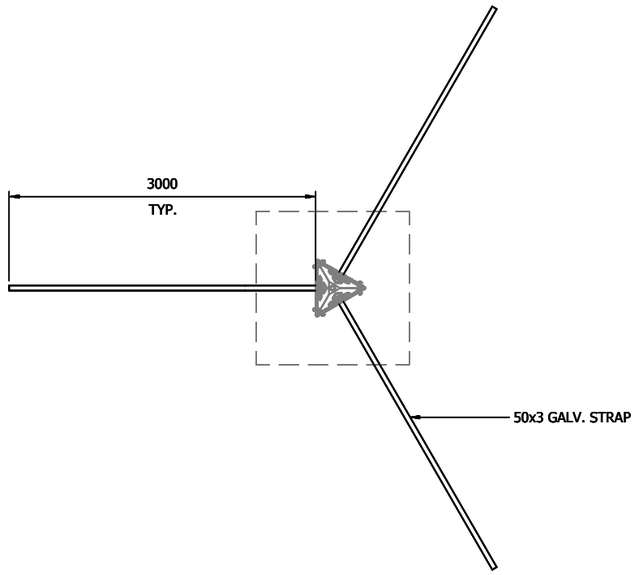


C / S-06 DETAIL VIEW
ANCHOR BEAM ASSEMBLY
TYPICAL DETAIL

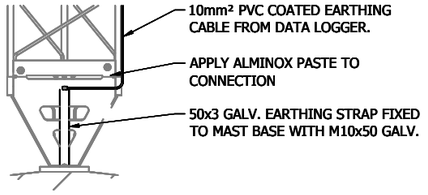


4 / S-06 ELEVATION VIEW
GUY ANCHOR FOOTING
ANCHOR ASSEMBLY SHOWN FOR CLARITY
TYPICAL DETAIL

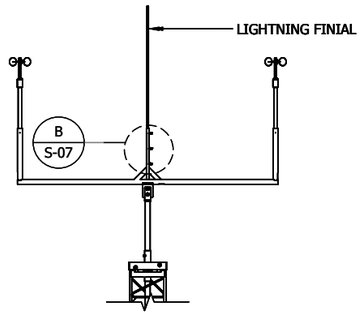
REV	DESCRIPTION	DATE
02	UPDATED COORDINATES	22/05/24
01	REVISED LOCATION	13/05/24
00	ISSUED FOR CONSTRUCTION	21/03/24

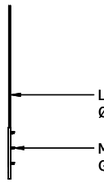


1 S-07 PLAN VIEW
MAST BASE
TYPICAL DETAIL

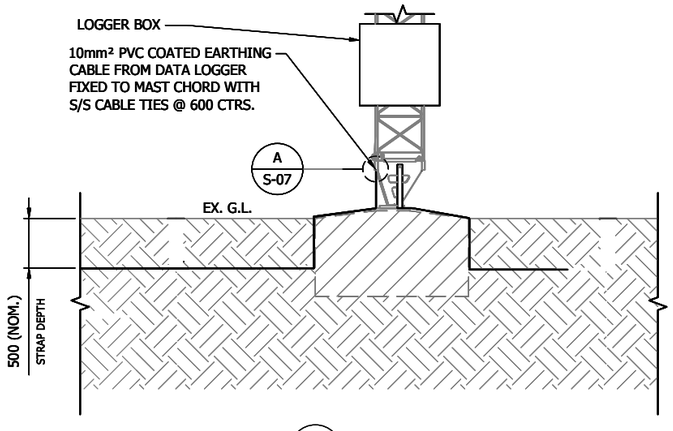


A S-07 DETAIL VIEW
MAST BASE
EARTHING CONNECTION
TYPICAL DETAIL





B S-07 DETAIL VIEW
GOAL POST / LIGHTNING FINIAL
TYPICAL DETAIL



2 S-07 SECTION VIEW
MAST BASE
TYPICAL DETAIL

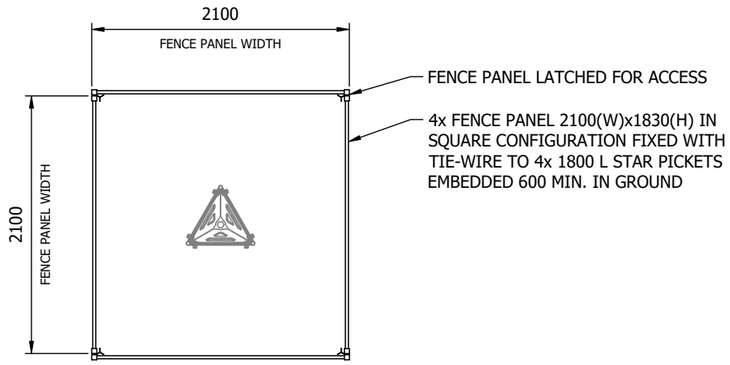
NOTES

1. REFER TO GENERAL NOTES (SHEET 2) FOR EARTHING SPECIFICATIONS.

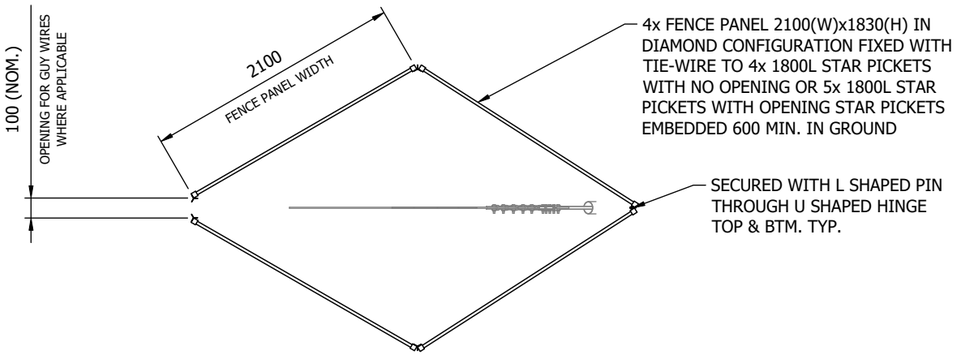
REV	DESCRIPTION	DATE

NOTES:

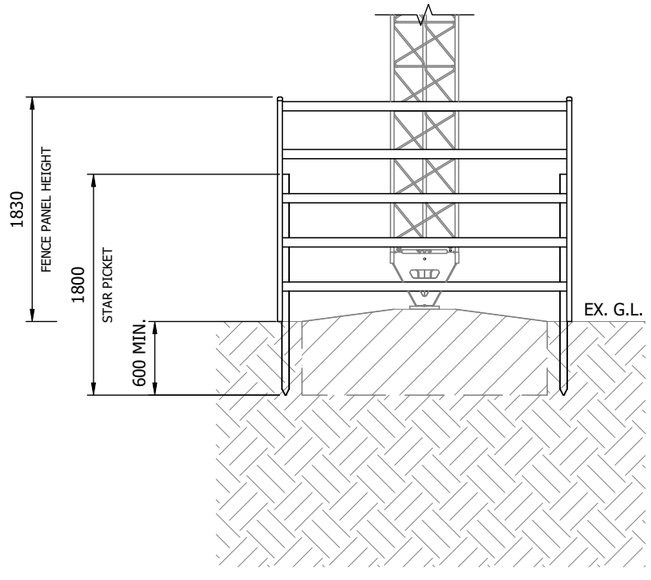
1. POSITION STAR PICKETS BEHIND FENCE PANELS.
2. NO SHARP EDGES ON THE OUTSIDE OF FENCE PANELS.
3. INNER ANCHOR - 4 PANELS & 5 STAR PICKETS (OPENING).
4. OTHER ANCHOR(S) - 4 PANELS & 4 STAR PICKETS.
5. FOOTINGS SHOWN FOR INDICATIVE PURPOSE ONLY REFER TO MAST FOOTING AND FOUNDATION DETAILS (SHEET 6).



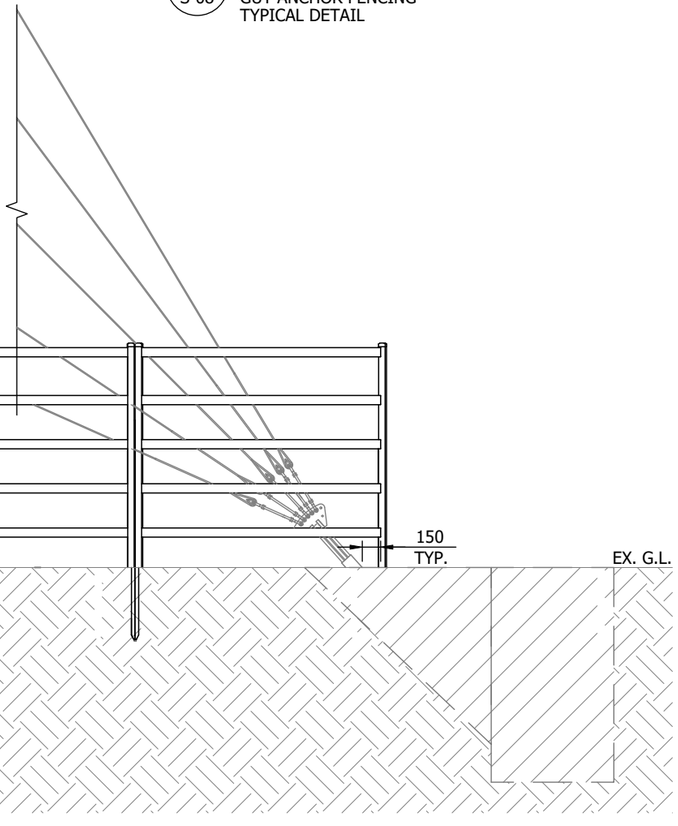
1 / S-08 PLAN VIEW
MAST BASE FENCING TYPICAL DETAIL



3 / S-08 PLAN VIEW
GUY ANCHOR FENCING TYPICAL DETAIL



2 / S-08 SECTION VIEW
MAST BASE FENCING TYPICAL DETAIL



4 / S-08 SECTION VIEW
GUY ANCHOR FENCING TYPICAL DETAIL

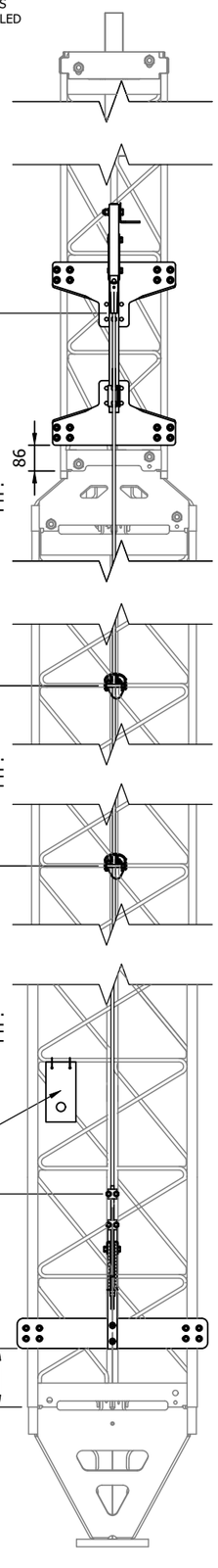
NOTES

REV	DESCRIPTION	DATE

LAD-SAF FALL ARREST SYSTEM INSTALLATION NOTES:

INSTALL LAD-SAF FALL ARREST SYSTEM AS PER MANUFACTURES SPECIFICATIONS. GENERALLY, THE LAD-SAF SYSTEM IS INSTALLED FROM THE TOP DOWN WITH THE FOLLOWING PROCEDURE:

1. INSTALL THE TOP BRACKETS
2. INSTALL THE TOP COMPONENT TO BRACKETS
3. INSTALL THE CABLE TO THE TOP COMPONENT
4. INSTALL THE CABLE GUIDES
5. INSTALL THE BOTTOM BRACKET
6. INSTALL THE BOTTOM COMPONENT TO BRACKET
7. TENSION THE CABLE
8. INSPECT THE INSTALLATION
9. INSTALL THE i-SAFE RFID TAG AT BOTTOM OF MAST

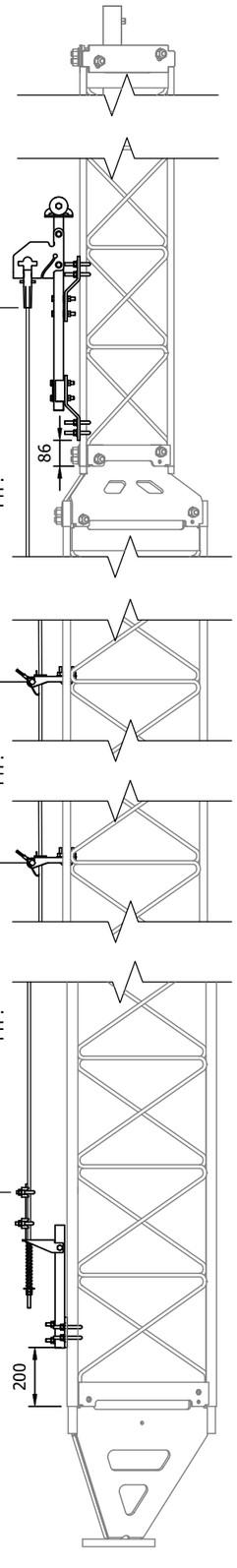


1 / S-09 FRONT VIEW
LAD-SAF FALL ARREST
TOP ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL

2 / S-09 FRONT VIEW
LAD-SAF FALL ARREST
CABLE GUIDE
GL55/36 MAST
TYPICAL DETAIL

3 / S-09 FRONT VIEW
LAD-SAF FALL ARREST
BOTTOM ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL

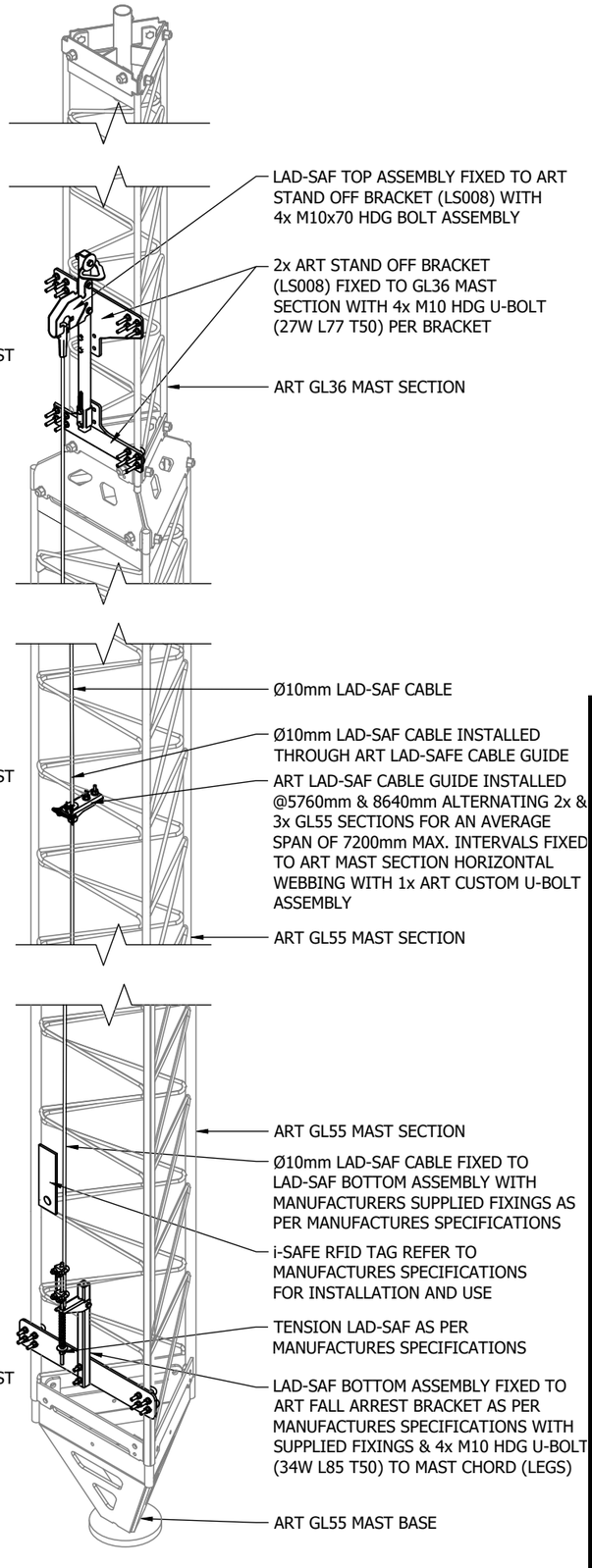
i-SAFE RFID TAG REFER TO MANUFACTURES SPECIFICATIONS FOR INSTALLATION AND USE



4 / S-09 SIDE VIEW
LAD-SAF FALL ARREST
TOP ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL

5 / S-09 SIDE VIEW
LAD-SAF FALL ARREST
CABLE GUIDE
GL55/36 MAST
TYPICAL DETAIL

6 / S-09 SIDE VIEW
LAD-SAF FALL ARREST
BOTTOM ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL



7 / S-09 ISOMETRIC VIEW
LAD-SAF FALL ARREST
TOP ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL

8 / S-09 ISOMETRIC VIEW
LAD-SAF FALL ARREST
CABLE GUIDE
GL55/36 MAST
TYPICAL DETAIL

9 / S-09 ISOMETRIC VIEW
LAD-SAF FALL ARREST
BOTTOM ASSEMBLY
GL55/36 MAST
TYPICAL DETAIL

NOTES