

### LEGENDS

**PV SYSTEM SIZE:  
NEW 1020.00 kW DC**

- 2040 NEW TRINA SOLAR 500Wp (TSM-DE18M(II)-500) MODULES.
- (10) NEW PV SYSTEM INVERTER SUNGROW (SG110CX)
- 2.5 MTR. WIDE ACCESS ROAD
- PROJECT BOUNDARY
- FENCE LINE 0.6 MTR. APART FROM PROJECT BOUNDARY
- BOUNDARY 2.1 MTR. APART FROM ACCESS ROAD

PITCH: 9.825 MTR.  
TILT: 32°; GCR: 37.82%  
ROW SPACING: 6.11 MTR.

#### SYSTEM SUMMARY

SITE COORDINATES	-34.724151, 146.566882	
PV MODULE OUTPUT (STC):	500 W	
TOTAL NO. OF PV MODULES:	2040	
MODULES PER STRING:	17	NO. OF STRINGS : 120
MAX. VOLTAGE PER MODULE:	55.61 V	
MAX VOLTAGE PER STRING:	945.37 V	
INVERTER:	SUNGROW (SG110CX)	
INVERTER AC OUTPUT POWER:	100 kVA	
TOTAL NUMBER OF INVERTERS:	10	
MOUNTING SYSTEM:	GROUND MOUNT DOUBLE POTRAIT SINGLE ORIENTATION FIXED TILTAZIMUTH: 0°; TILT: 32°	
ASHRAE DB EXTREME MIN (n=20):	-4.1°C	
ASHRAE DB EXTREME MAX (n=20):	45.6°C	
MAX. DC SYSTEM VOLTAGE:	1000 V	
TOTAL AREA:	2 HECTARE	
TOTAL USED AREA:	1.63 HACTARE	
TOTAL FENCE LENGTH:	511 METER	
TOTAL ROAD LENGTH:	495 LINEAR METER	

### SITE LAYOUT

### ARIAL VIEW



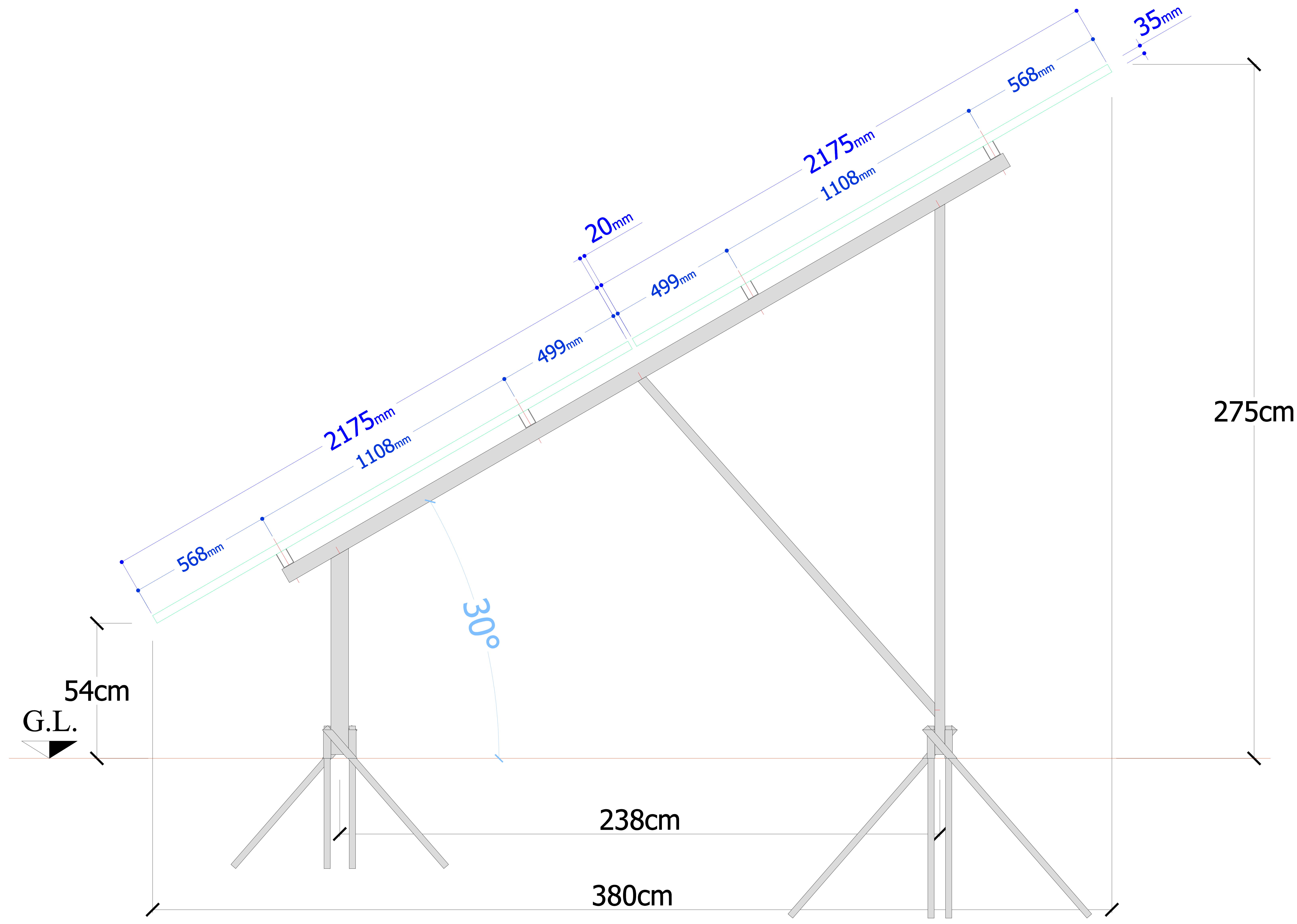
Redhill Solar Pty Ltd

REV.	DATE	DESCRIPTION	DRWN.	DESIGNED	CHKD.	APPR.

TITLE  
REDHILL SOLAR  
1 MW SOLAR FARM  
SITE  
SITE LAYOUT

DWG No. 2154-S-LAYOUT-1

SCALE NTS
REVISION 0
PAPER SIZE A3

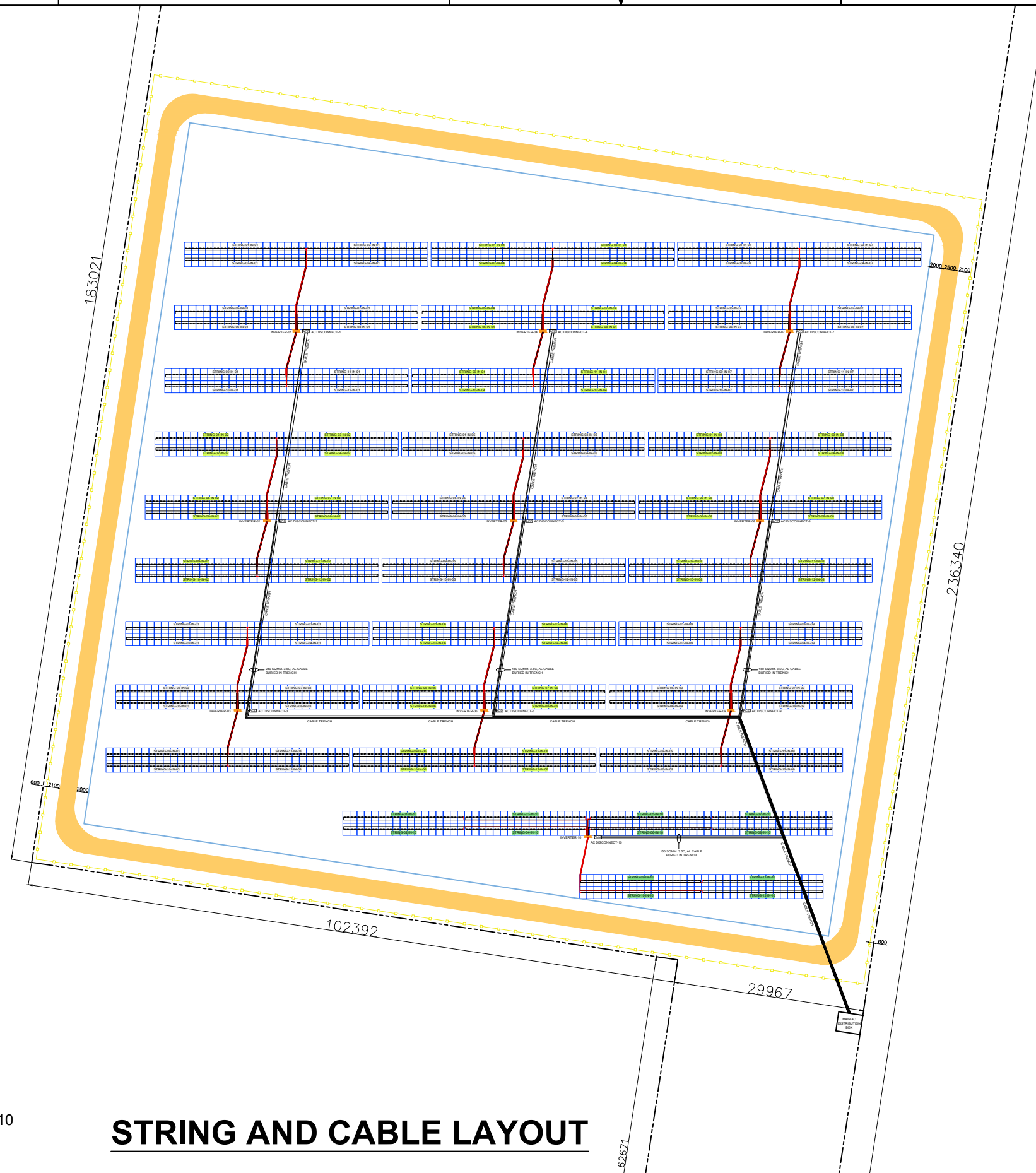




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- ROW SPACING: 6.11 MTR.



**SYSTEM SUMMARY**

MODULES PER STRING : 17  
 TOTAL NUMBER OF STRINGS: 120  
 TOTAL NUMBER OF DISCONNECTS : 10  
 STRINGS PER INVERTER : 10

## STRING AND CABLE LAYOUT

**ARIAL VIEW**



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REV.	DATE	DESCRIPTION	DRWN.	DESIGNED	CHKD.	APPR.

TITLE  
 REDHILL SOLAR  
 1 MW SOLAR FARM  
 SITE  
 SITE LAYOUT  
 DWG No. 2154-S-LAYOUT-1

SCALE  
 NTS  
 REVISION  
 0  
 PAPER  
 SIZE  
 A3