

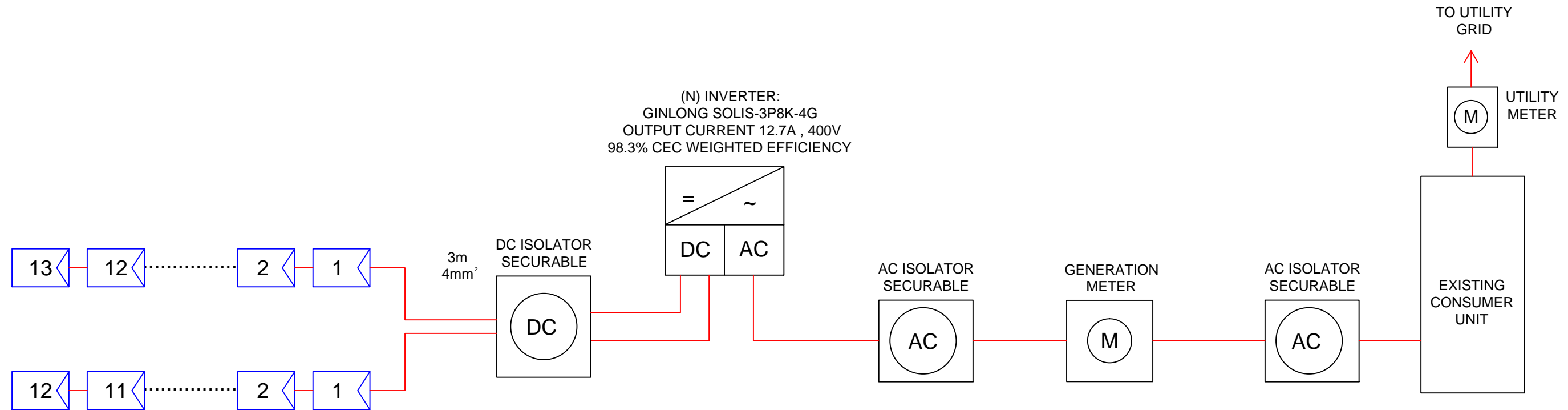
PV SOLAR SYSTEM SIZE (9.37 KW-DC STC) (25) LONGI SOLAR LR4-60HPH-375M PANELS	SYSTEM SIZE	ORIENTATION	ROOF INCLINATION
13 X01 PANELS CONNECTED IN STRING TO MPPT #1	6.0 kW	Fí €»	Fí »
12 X02 PANELS CONNECTED IN STRING TO MPPT #2	5.60 kW	Fí €»	Fí »

SOLAR MODULE SPECIFICATIONS	
MANUFACTURER / MODEL #	LONGI SOLAR LR4-60HPH-375M PANELS
VMP	34.6 V
IMP	10.84 A
VOC	41.1 V
ISC	11.60 A
MODULE DIMENSION	1755 (L) x 1038 (W) x 40 (D) (in mm)
MODULE WEIGHT	19.5 kg

INVERTER SPECIFICATIONS	
MANUFACTURER / MODEL #	SOLIS-3P8K-4G
MAX. DC INPUT POWER	11 kW
MAX. APPARENT OUTPUT POWER	8.8 kW
MAX. OUTPUT CURRENT	12.7 A

OUTPUT DETAILS INVERTER	
RATED MAXIMUM POWER- POINT CURRENT (Imp)	21.68 A
RATED MAXIMUM POWER-POINT VOLTAGE (Vmp)	449.80 V
MAXIMUM SYSTEM-VOLTAGE (VOC)	603.75 V
SHORT CIRCUIT-CURRENT (Isc)	29.0 A

NOTES	
1	THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTS AND SPECIFICATIONS.
2	INFORMATION AND SETTING OUT ON THIS DRAWING IS BASED LARGELY ON INFORMATION TAKEN FROM CAD DRAWINGS PREPARED BY OTHERS AND GIVEN IN GOOD FAITH. NO RESPONSIBILITY CAN BE ACCEPTED FOR ERRORS RESULTING FROM INACCURACIES IN THESE ORIGINAL DRAWINGS
3	LAYOUT SUBJECT TO CHANGE DEPENDANT ON SITE CONDITIONS.



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DATE	20/08/2021
DESIGN BY	
CHECKED BY	
REVISION	

PROJECT NAME
 GREVILLE STREET

SHEET NAME
 ELECTRICAL
 LINE DIAGRAM &
 CALCULATION

SHEET SIZE
 ANSI B
 279 X 432

SHEET NUMBER
 E.04

1 ELECTRICAL LINE DIAGRAM & CALCULATION

SCALE: NTS