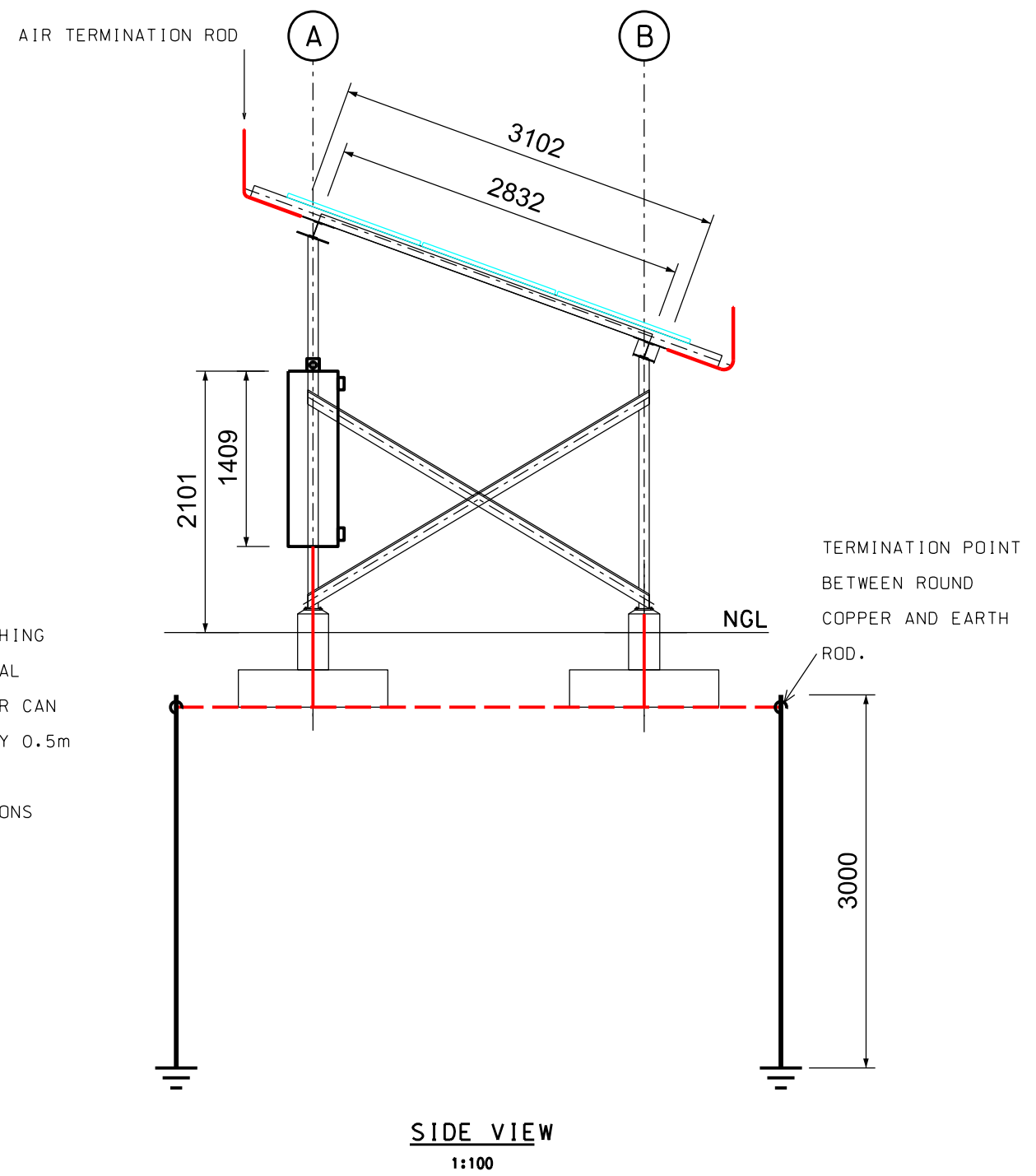
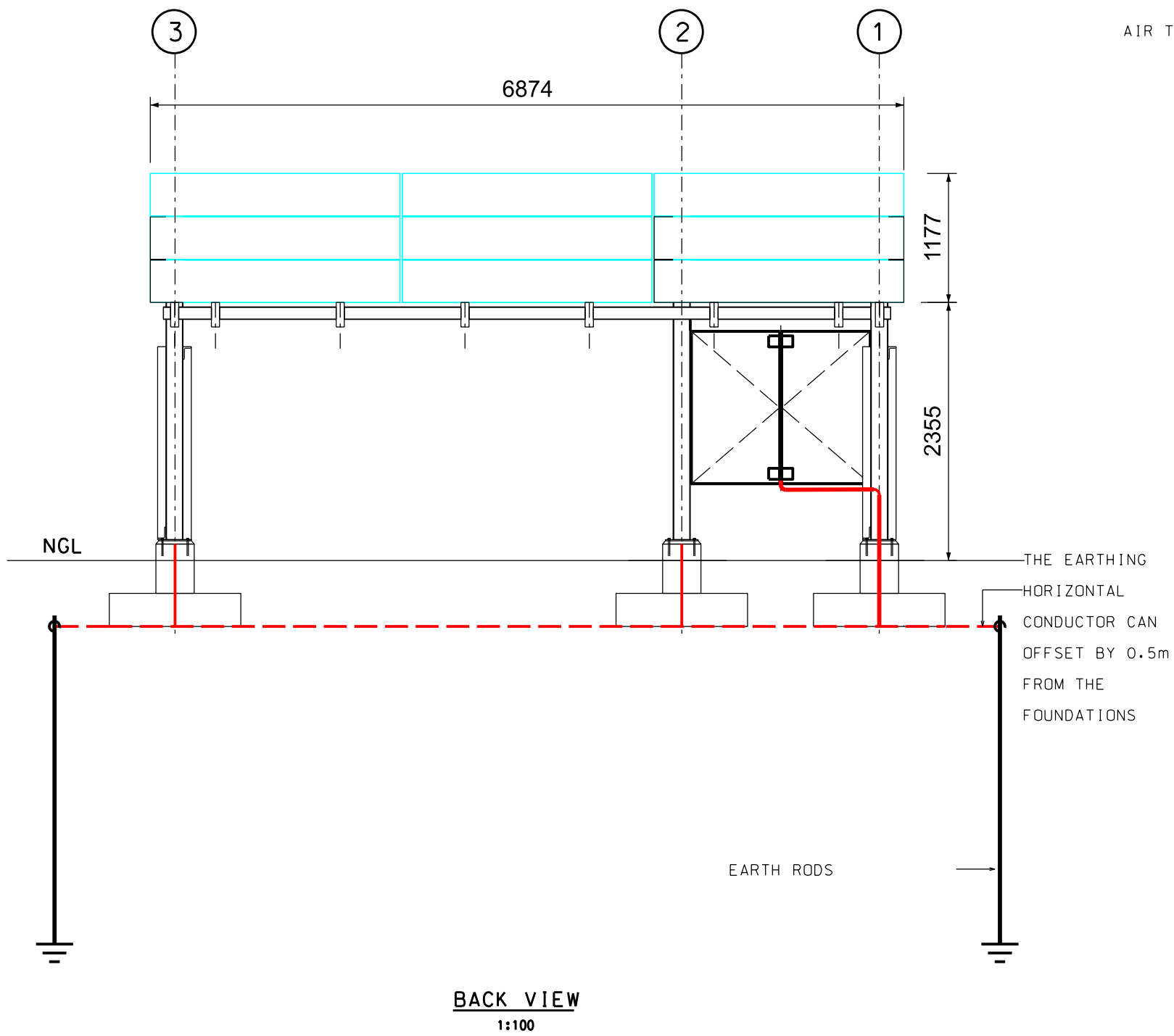




- NOTES
1. THIS LAYOUT OPTION IS APPLICABLE TO AREAS WHERE DIRECT LIGHTNING STROKE
 2. DIRECT LIGHTNING STROKE PROTECTION IS PROVIDED FOR BY FOUR AIR-TERMINATION RODS FITTED TO THE SOLAR PANEL FRAME AND EACH BONDED TO THE EARTH THROUGH THE PV STEEL CARPORT STRUCTURE WHICH ACTS AS A NATURAL DOWN CONDUCTOR.
 3. INSTALLATION TO BE ORIENTATED SO THAT THE SOLAR PANELS FACE NORTH.
 - TO INCLUDE DIRECT LIGHTNING STROKE PROTECTION IN THIS OPTION THE FOLLOWING IS REQUIRED:
 - 2x AIR TERMINATION RODS FIXED TO THE STRUCTURE HIGH SIDE AT POSITIONS "A"
 - 2x AIR TERMINATION RODS FIXED TO THE STRUCTURE HIGH SIDE AT POSITIONS "B"
 - AIR TERMINATION RODS MUST STICK OUT AT LEAST 1m ABOVE THE SOLAR PANELS AND SHOULD NOT BE CLOSER THAN 200mm TO THE EDGE OF THE SOLAR PANELS.
 - AIR TERMINATION ROD MATERIAL: ALUMINIUM ROD WITH DIAMETER OF 9.5mm BENT AND FASTENED AS REQUIRED.
 4. FOR FOUNDATION INSTALLATION REFER TO SHEET 2.
 5. FOR INSTALLATION EARTHING REQUIREMENTS REFER TO KZN-EBC-2403-1190868 SHEET 1.

ISSUED FOR TENDERING ONLY NOT FOR CONSTRUCTION

						CHECKED	AUTHORIZED
						S DLAMINI 31/07/2026	JK RAGHUBIR 31/07/2026
						DRAWN	
						T NGUBO 31/07/2026	
00	TN	SD	JK R	31/07/26	FIRST ISSUE	SCALE	1:100
REV	DRAWN	CHKD	APPROVED	DATE	REVISION DESCRIPTION		

MASHAQIYA SOLAR HOME SYSTEM PROJECT

ELECTR. - LIGHTNING PROTECTION SYSTEM LAYOUT

DRAWING NUMBER

KZN-EBC-2403-1190868

SHEET

4 OF 4

REVISION

00