Northgate Retail Park

Reference	NRP-PCI-01, revision 1	**Team leader**	Team A
Client	Northgate Property Fund	**Inspected**	Wed 14 Oct 2026
Site	Northgate Retail Park, 1 Sample Road	**Approved**	Wed 14 Oct 2026, by Sam Botha, Project Manager
System	1,200.1 kWp		

44 checked: 43 done, 1 not applicable, 1 corrected after review, 0 open

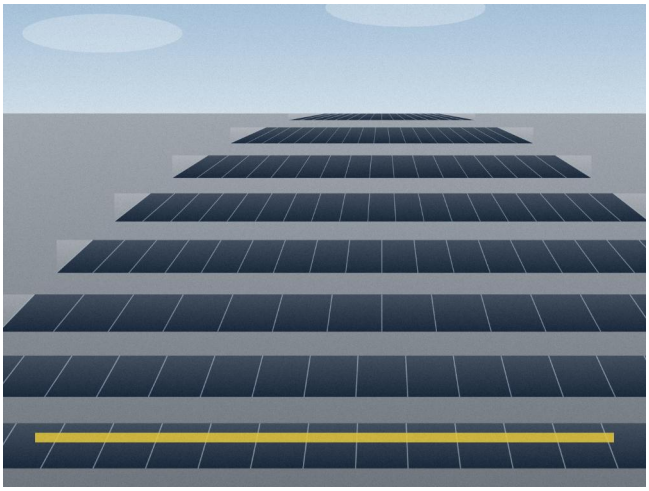
Checklist

No.	Item	Result	N/A reason	Photos
Wide shots				
W1	Whole array from a high point	**Taken**		W1-1
W2	Inverter cage	**Taken**		W2-1
W3	Solar DB with the cover open	**Taken**		W3-1
W4	Tie-in DB with the cover open	**Taken**		W4-1
A. Array and mounting structure				
1	Mounting structure bolts torqued to spec and torque-marked where reachable from walkways	**Done**		P1-1
2	Outside mid clamps and end clamps torqued and torque-marked **Safety: Do not climb on panels to add torque marks.**	**Done**		P2-1
3	End caps fitted on all rail and trunking ends; rail ends neat Sent back Wed 14 Oct, 11:30: Retake with the clamp torque marks visible on rows 4 and 5. Fixed and re-photographed Wed 14 Oct, 12:30.	**Done**		P3-1
4	Excess threaded rod cut off and every cut steel edge treated with cold galv	**Done**		P4-1
5	Walkway bolts straight and tight	**Done**		P5-1
6	Mounting structure and walkways bonded to the earthing system	**Done**		P6-1
7	No cracked, chipped or dirty modules	**Done**		P7-1
B. DC cabling and cable management				
8	DC cables clipped up under the modules: none hanging or touching the roof sheet	**Done**		P8-1
9	Outdoor cables fixed with UV-rated stainless ties or straps, no plastic ties on the structure; tie tails cut flush	**Done**		P9-1
10	MC4 connectors fully clicked in, matching make, none lying on the roof	**Done**		P10-1
11	Cables protected at sharp edges, bends and trunking joints	**Done**		
12	Trunking and cable trays lifted off the roof, secured, covers fitted and bonded	**Done**		P12-1
13	Every string labelled + and - at both ends, matching the string layout	**Done**		P13-1

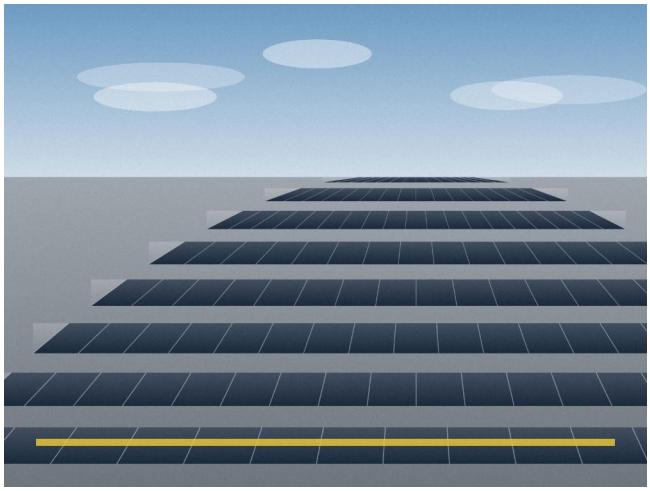
No.	Item	Result	N/A reason	Photos
C. Inverters and inverter cage				
14	Inverters labelled to match the DB and the drawings	**Done**		P14-1
15	Inverter heat sinks and chassis bonded	**Done**		P15-1
16	DC isolators and string inputs labelled	**Done**		P16-1
17	All inverter and combiner box screws and covers fitted	**Done**		
18	Inverter cage, fence and structure bonded; doors, locks and hinges working	**Done**		P18-1
19	Cage paintwork touched up; no bare steel showing	**Done**		
D. Solar DB and combiner boxes				
20	DB fixed securely to the wall or floor; it does not move	**Done**		P20-1
21	All terminations and busbar bolts torqued and torque-marked	**Done**		P21-1
22	Blanks in unused ways; busbar and terminal covers fitted; no exposed live parts	**Done**		P22-1
23	Inside of the DB clean: no offcuts, swarf or dust	**Done**		P23-1
24	All breakers labelled; "Reverse fed" labels under the inverter breakers	**Done**		P24-1
25	Combiner boxes labelled, and the strings inside them labelled	**Done**		
26	Glands or male adapters on every cable entry; unused holes sealed	**Done**		
E. AC cabling, tie-in DB and main switchroom				
27	Tie-in breaker labelled: name, fed from which DB, cable size	**Done**		P27-1
28	Red and yellow embedded generation (SSEG) labels fitted and filled in at the tie-in DB, the main switch and the solar DB	**Done**		P28-1
29	Solar AC cables labelled at both ends	**Done**		
30	Neutral sized and terminated the same as the phases; earth conductor correct	**Done**		
31	Cable trays and trunking bonded, covers fitted, "AC low voltage" labels on tray covers	**Done**		
32	AC cables supported on unistrut and clamps, not hanging	**Done**		
F. Penetrations, waterproofing and finishes				
33	Every wall, roof and floor penetration sealed and waterproofed	**Done**		P33-1
34	Patching around penetrations neat and painted to match	**Done**		P34-1
35	Trunking down walls covered; no visible sprag or open trunking	**Done**		
36	No damage to the client's roof sheets, gutters, walls or ceilings	**Done**		P36-1
G. Comms, monitoring and safety devices				
37	Comms cables terminated, glanded and neat; logger powered and online	**Done**		P37-1
38	Aerial secured; SIM card details ready for handover	**N/A**	The logger is on the site's own network: no SIM or aerial.	
39	Emergency stop fitted, labelled, terminal covers in place	**Done**		P39-1
40	Warning signage at the DBs, inverter cage and roof access	**Done**		P40-1
H. Housekeeping and handover				
41	All offcuts, packaging, loose trunking and spare material removed from the roof and site	**Done**		P41-1

No.	Item	Result	N/A reason	Photos
42	Tools and equipment removed; roof access secured	**Done**		
43	Spare covers and parts handed to the project manager	**Done**		
44	Changes from the drawings noted (anything built differently from the layout)	**Done**		

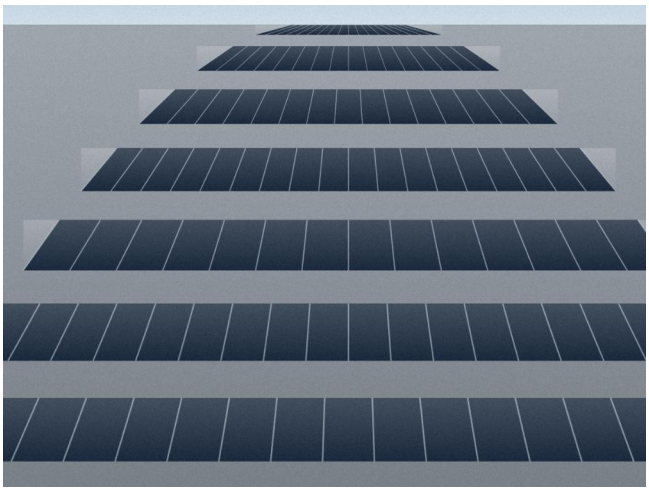
Photographs



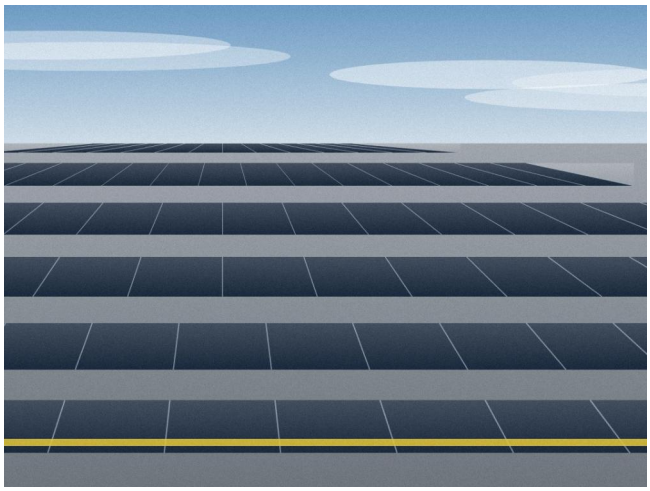
W1-1 Wide shot: Whole array from a high point



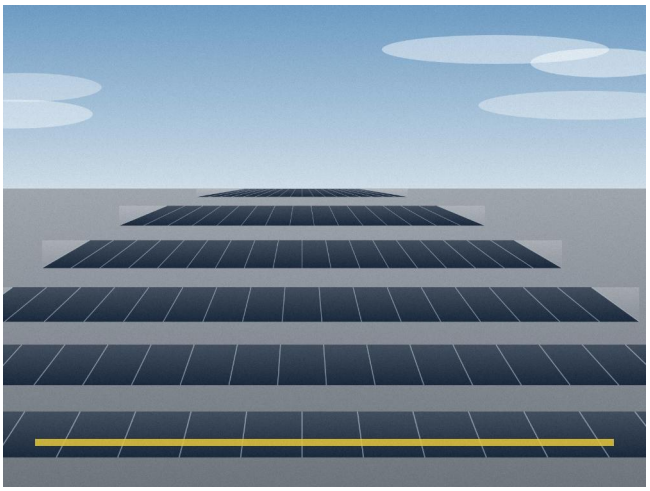
W2-1 Wide shot: Inverter cage



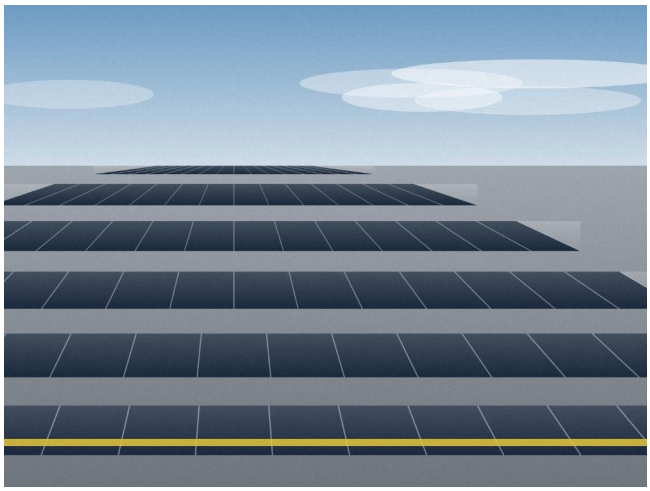
W3-1 Wide shot: Solar DB with the cover open



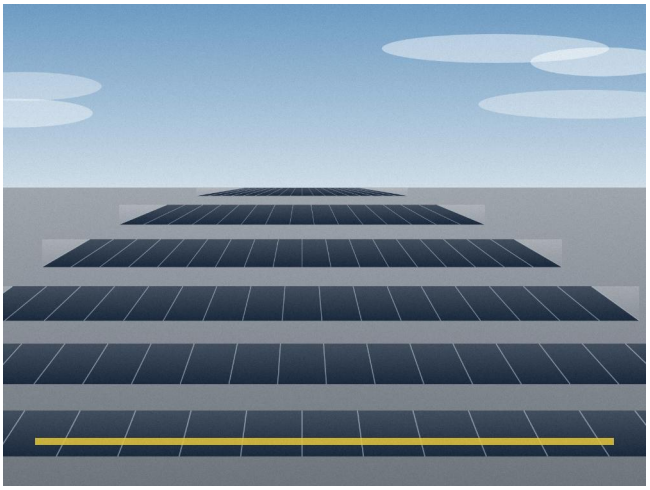
W4-1 Wide shot: Tie-in DB with the cover open



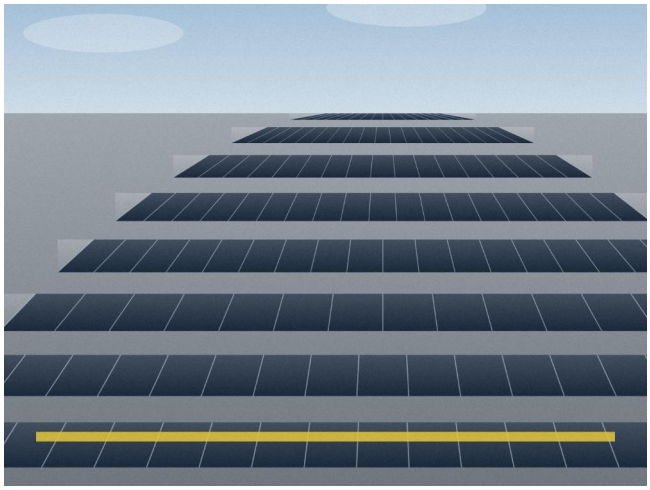
P1-1 Item 1: Reachable structure bolts torqued, marked



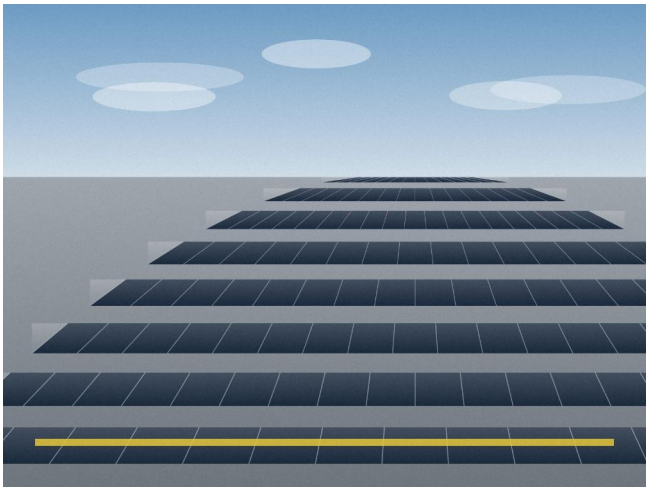
P2-1 Item 2: Outside and end clamps torqued, marked



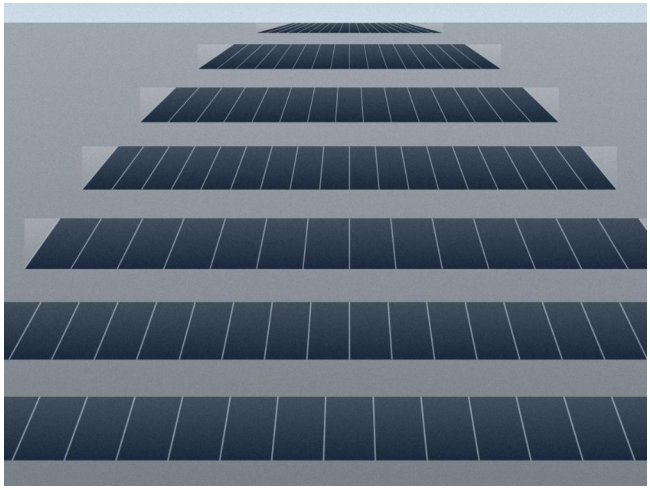
P3-1 Item 3: End caps fitted, rail ends neat



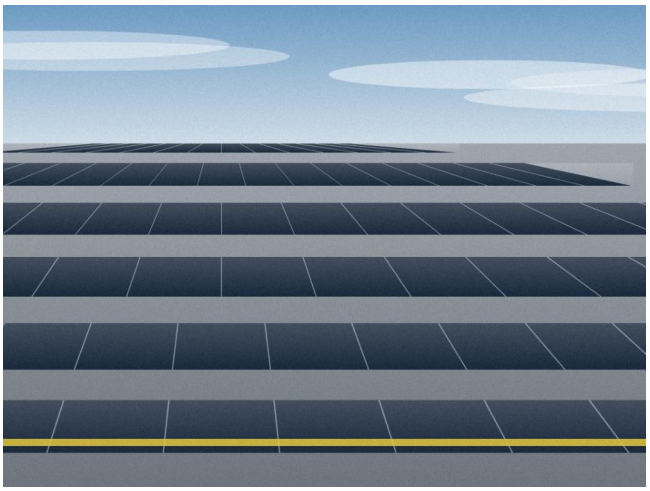
P4-1 Item 4: Rod cut, cut edges cold galvanised



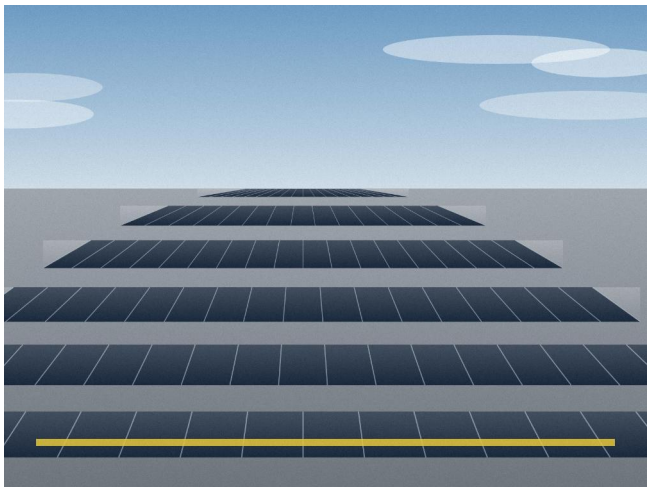
P5-1 Item 5: Walkway bolts straight and tight



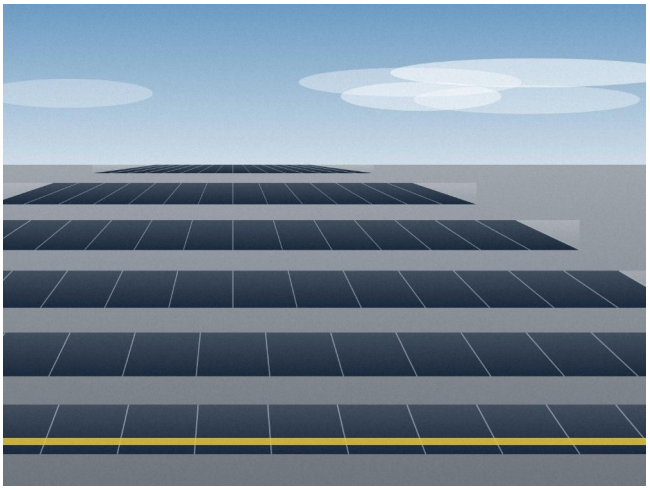
P6-1 Item 6: Structure and walkways bonded



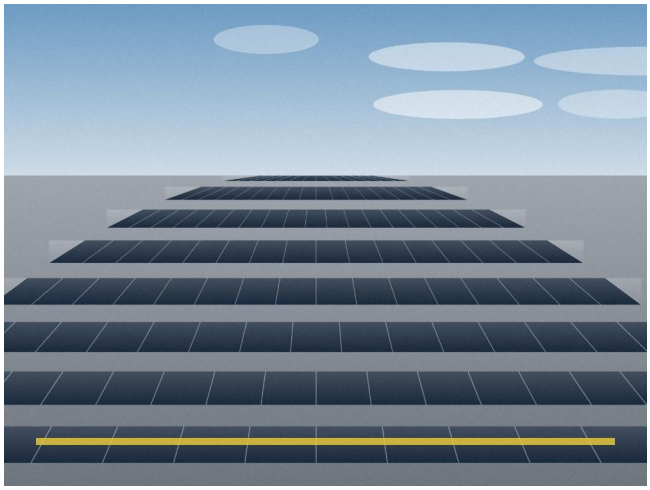
P7-1 Item 7: Modules not cracked, chipped or dirty



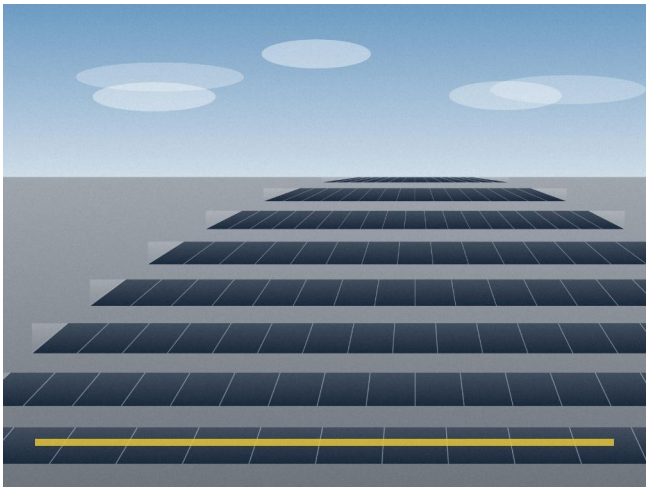
P8-1 Item 8: DC cables clipped up under modules



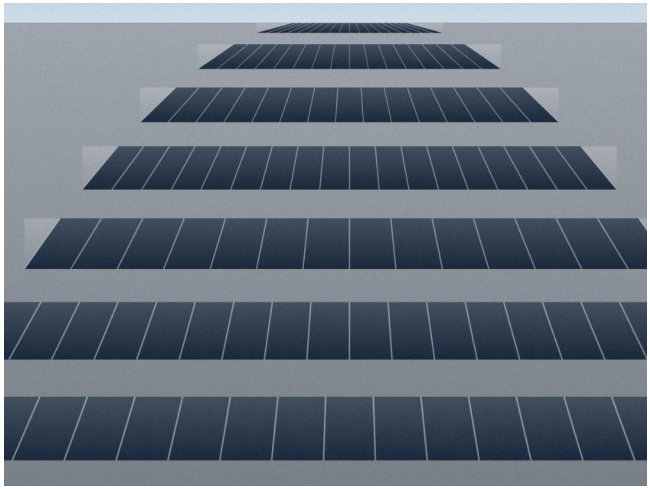
P9-1 Item 9: UV-rated ties or straps, tails flush



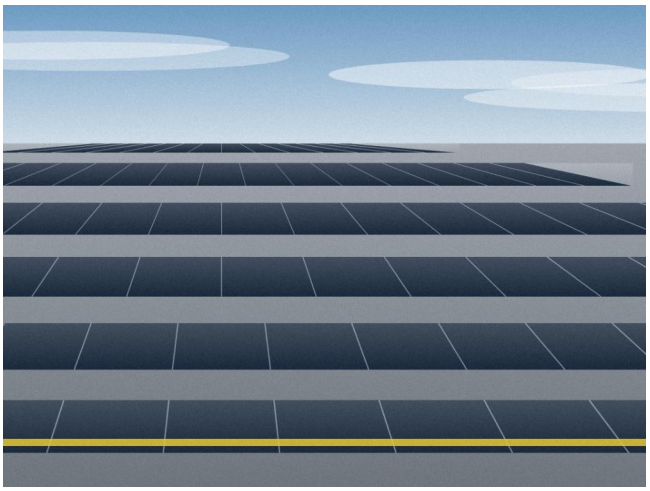
P10-1 Item 10: MC4 connectors clicked in, off the roof



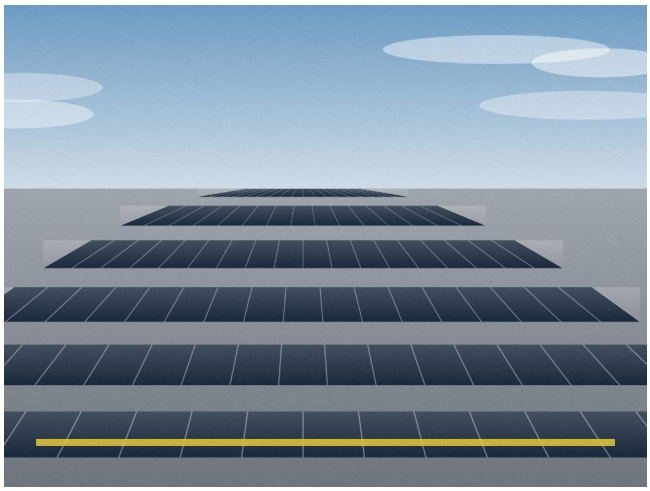
P12-1 Item 12: Trunking and trays lifted and bonded



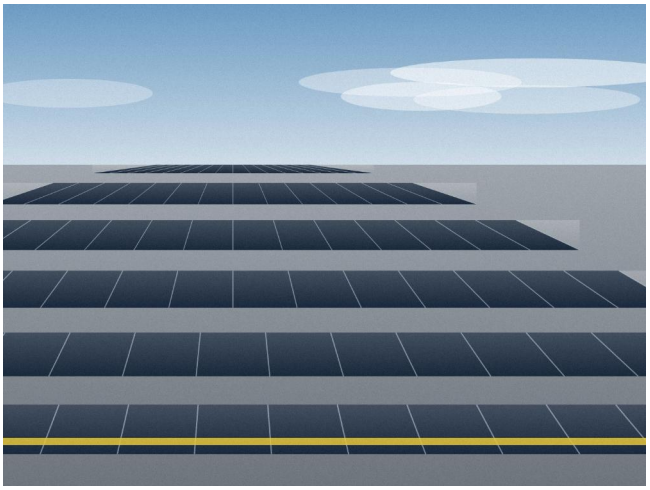
P13-1 Item 13: Strings labelled at both ends



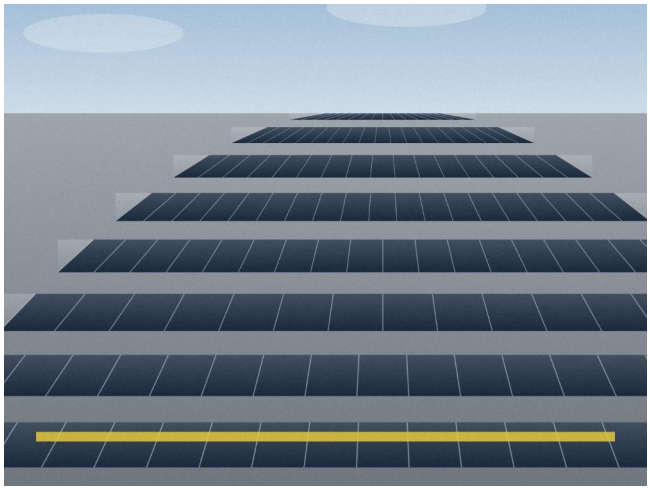
P14-1 Item 14: Inverters labelled



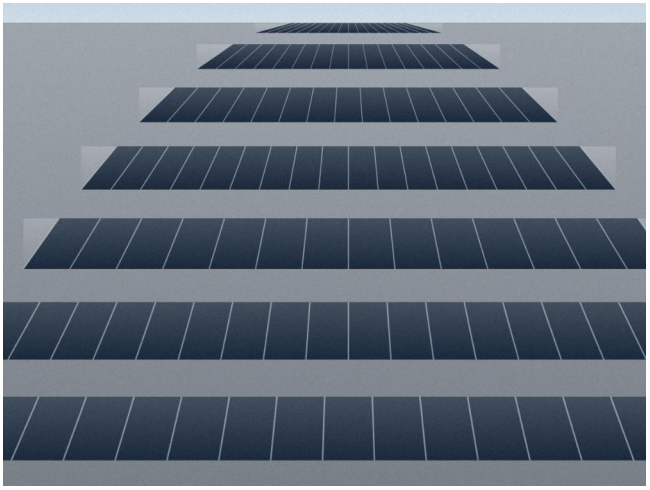
P15-1 Item 15: Heat sinks and chassis bonded



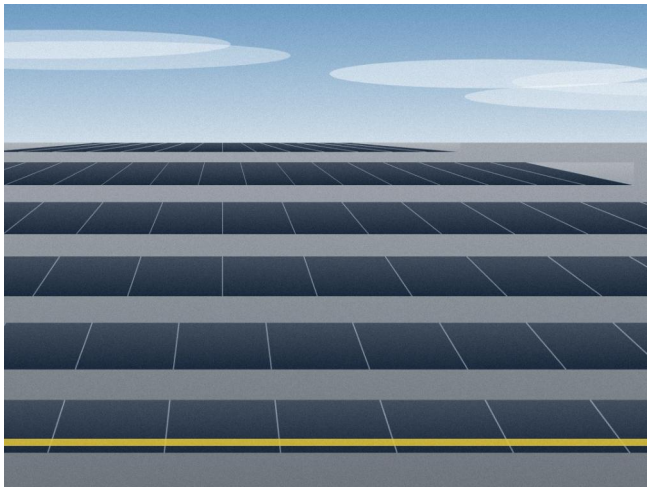
P16-1 Item 16: DC isolators and inputs labelled



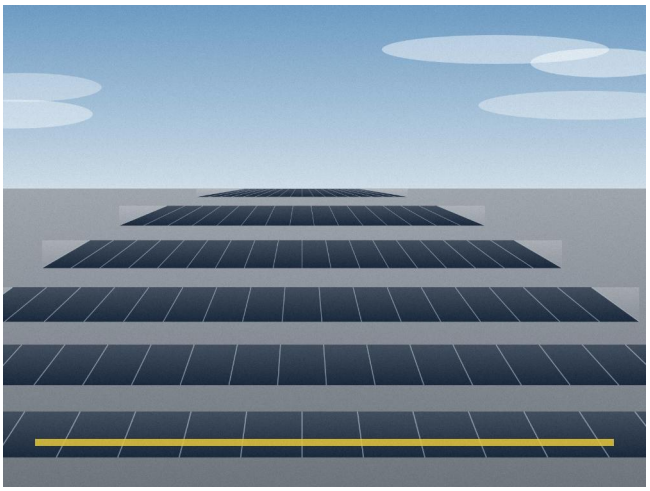
P18-1 Item 18: Cage bonded; doors, locks, hinges



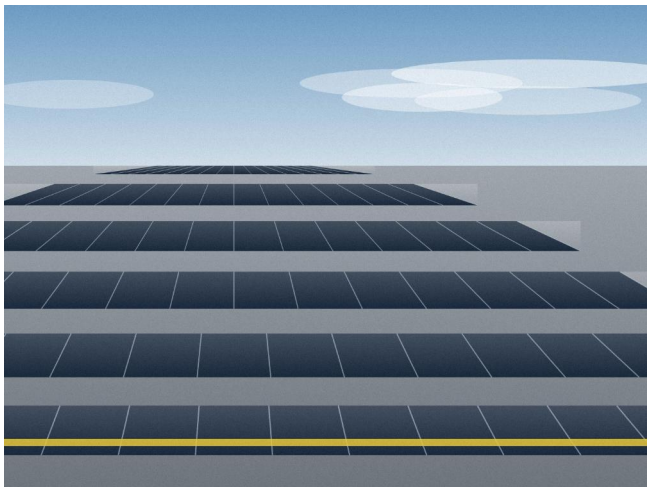
P20-1 Item 20: DB fixed securely



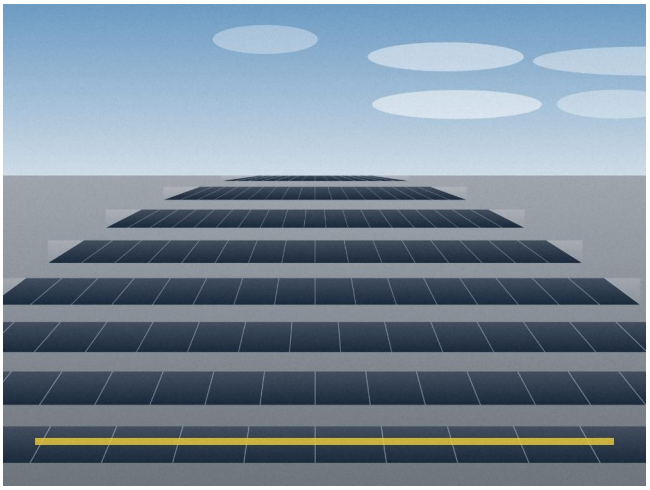
P21-1 Item 21: Terminations torqued and marked



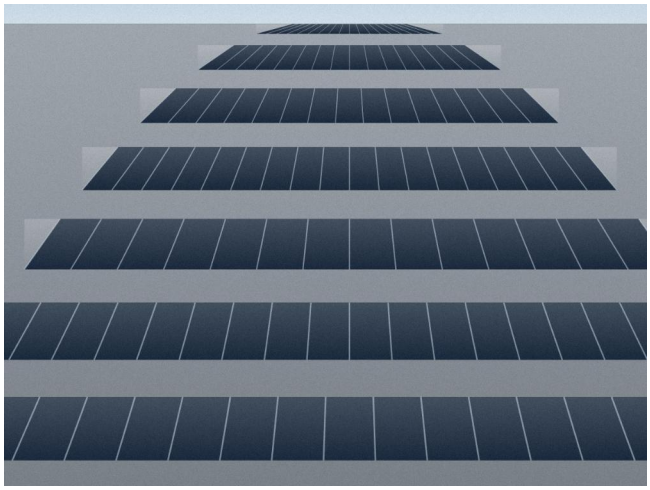
P22-1 Item 22: Blanks and covers fitted



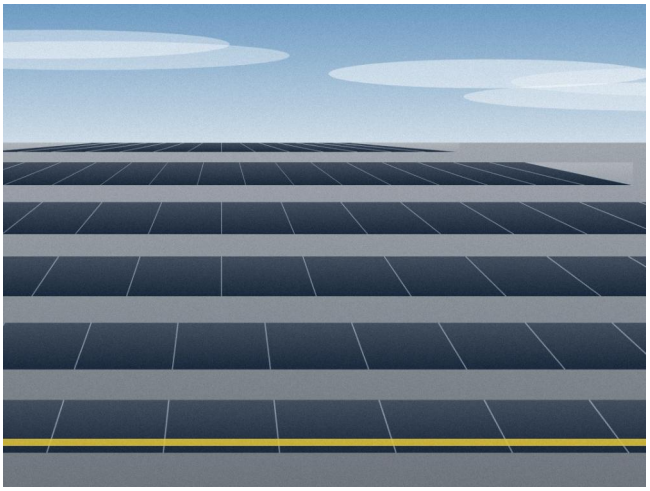
P23-1 Item 23: Inside of the DB clean



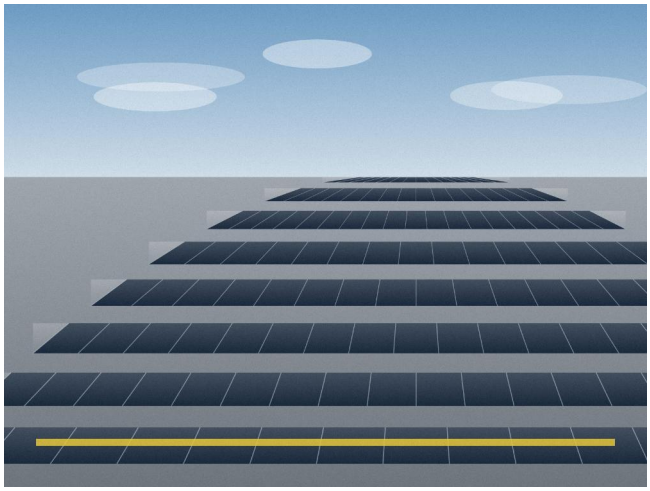
P24-1 Item 24: Breakers and reverse-fed labels



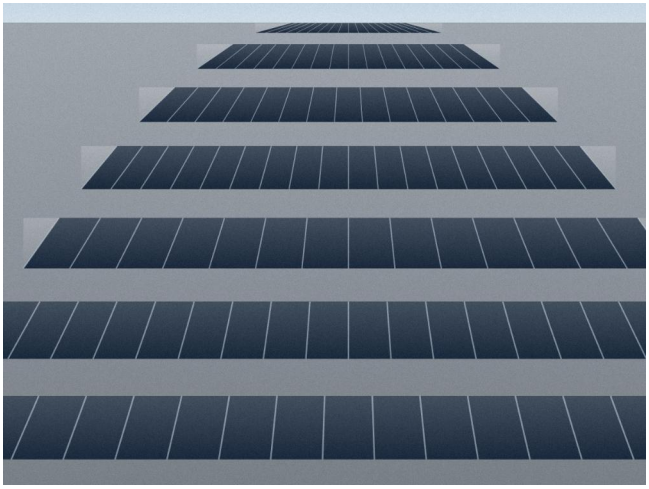
P27-1 Item 27: Tie-in breaker labelled



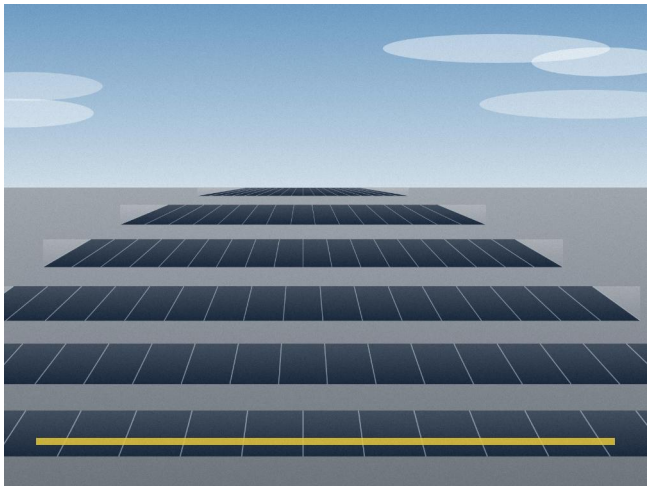
P28-1 Item 28: SSEG labels fitted and filled in



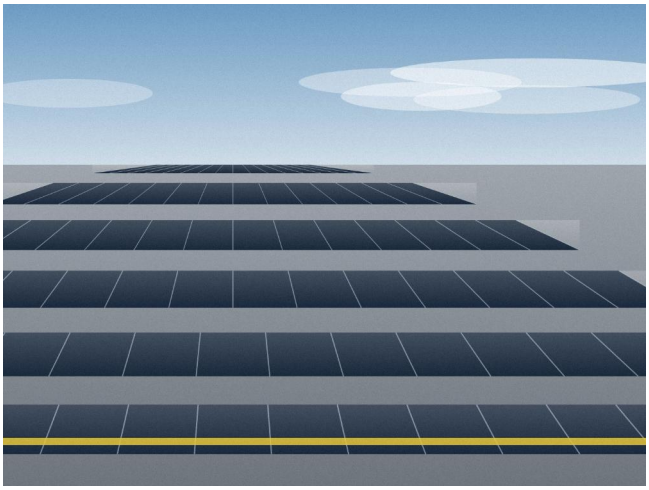
P33-1 Item 33: Penetrations sealed and waterproofed



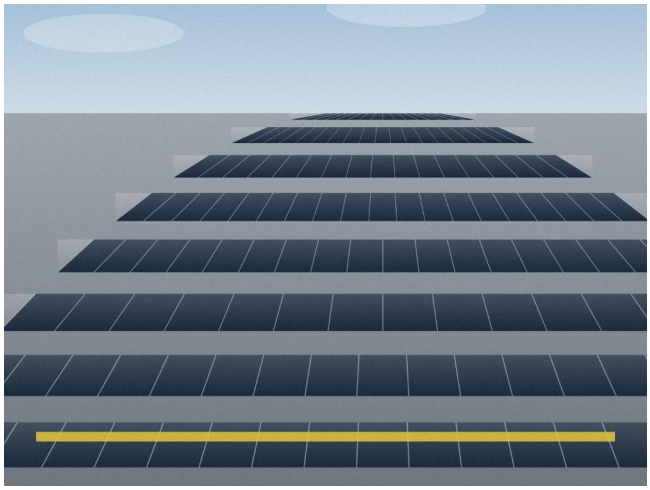
P34-1 Item 34: Patching neat and painted



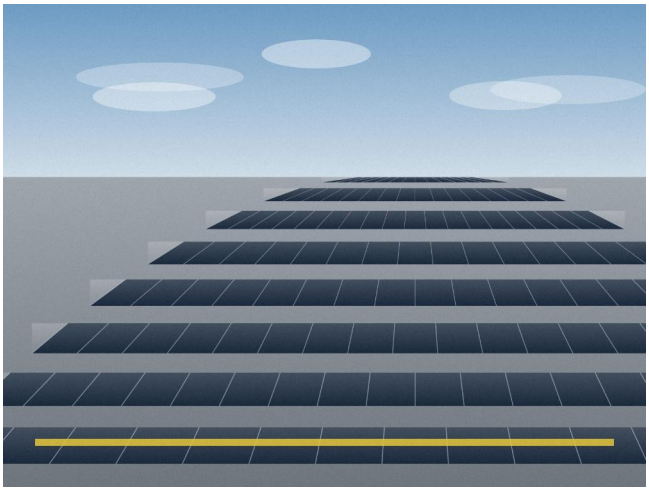
P36-1 Item 36: No damage to the client's building



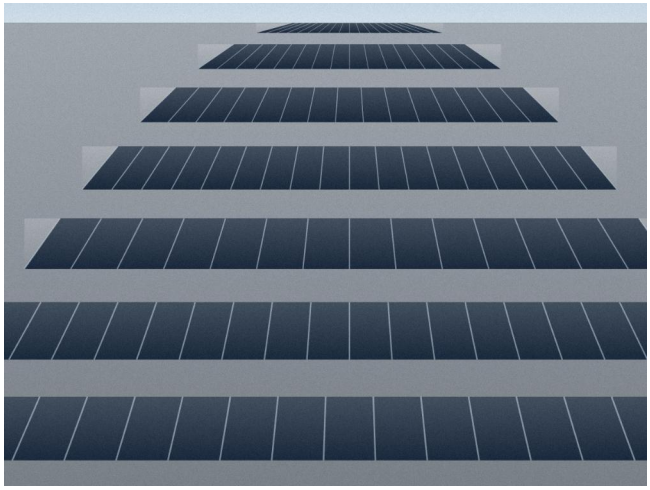
P37-1 Item 37: Comms terminated; logger online



P39-1 Item 39: Emergency stop fitted and labelled



P40-1 Item 40: Warning signage fitted



P41-1 Item 41: Offcuts and packaging removed

Sign-off

Team leader

Team A
Inspected Wed 14 Oct 2026

Project manager

Sam Botha
Approved Wed 14 Oct 2026

Client / engineer

Name _____

Signature _____

Date _____