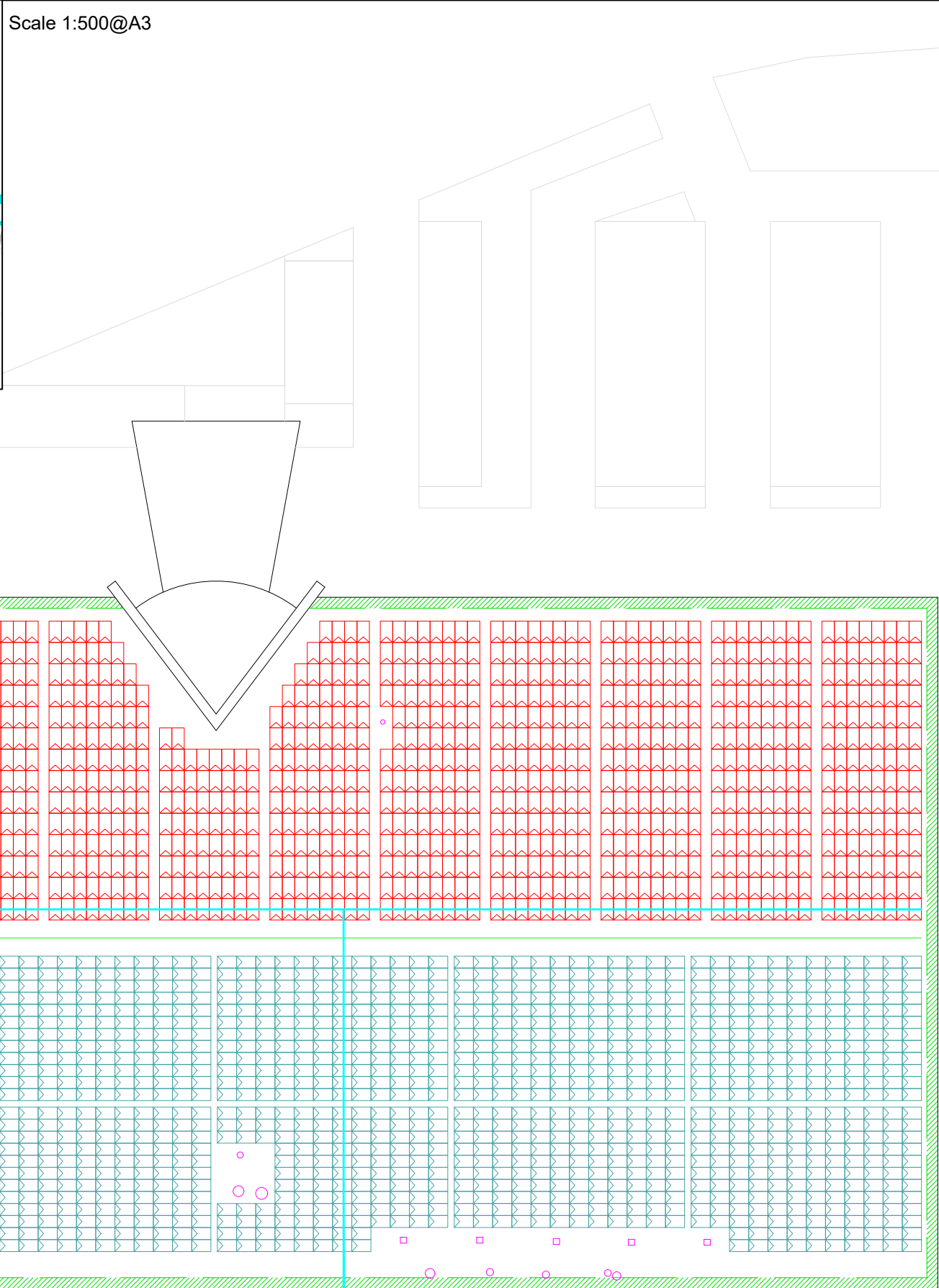
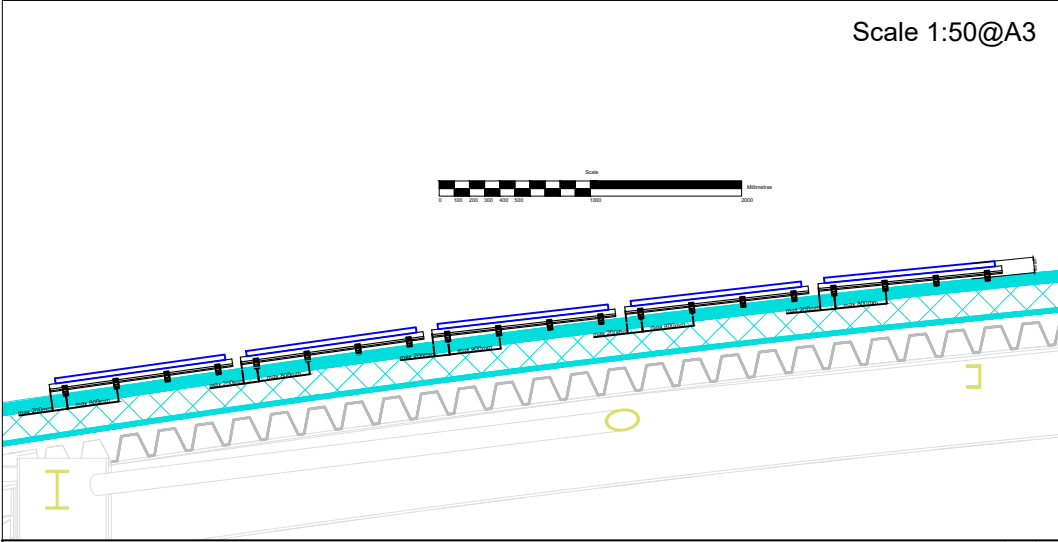




Legend			
	Solar Modules		Building
	Fixed Line (Mansafe)		Existing PV System
	Cable Run		1m perimeter exclusion zone
	Roof Furniture		
	Site Details		

- Notes
- All cable tray to be hot dipped galvanized and constructed in accordance with manufacture's recommendations using the propriety gussets, bends and tees.
 - DC cables should be fixed with cable ties spaced a minimum 400mm apart and be constructed of a UV resistant material. Vertical cable runs and horizontal cable runs where the cable is mounted under the cable basket must be supported by stainless steel cable ties.
 - Cables should not be placed under undue stress or tension. Cable runs of longer than 30m in a single direction should have sufficient flex to allow for thermal expansion and contraction of the mounting surface.
 - Where tray crosses potential access routes this should have a cover placed over the top to protect the cables and marked with hazard (black and yellow) tape.
 - No more than 12 DC cables can be bunched together when fixed to cable tray/basket.
 - All string cables must be labeled with their polarity and string number.
 - All cable tray edges should be rounded, crimped and protected to prevent cable damage.
 - String cables are to be identified with 'DC Live Cables during Daylight' labels, and "Do not disconnect under" load stickers at all string connections.
 - All components are to be designed for outdoor use.
 - Cable tray must have expansion joints every 20m.
 - Solar panels installed on a wall or a pitched roof should project no more than 200mm from the wall surface or roof slope.
 - Where panels are installed on a flat roof the highest part of the equipment should not be more than one metre above the highest part of the roof (excluding the chimney).
 - Equipment mounted on a roof must not be within one metre of the external edge of that roof.
 - Equipment mounted on a wall must not be within one metre of a junction of that wall with another wall or with the roof of the building.
 - Sunfixing mounting to standing seam roof to utilise non-penetrative seam clamps with associated rail.
 - Mounting to trapezoidal sheeting to be directly screwed into steal sheet as per Sunfixings trapezoidal rail mounting.
 - Mounting fixings over roof lights will be achieved through the use of extended rail to span the gap ensuring no fixings are put into roof light structure.
 - Sunfixing mounting systems provide a 25 year warranty.



Rev	Revision Note	Date	By	Checked	Approved

Project Title: Knorr Bremse		Client:	
Drawing Title: System Layout - Planning		Scale: As shown	
Drawing Number: 2026-D_Rev_Solar_KB-M_26_001		Sheet: 1 of 1	