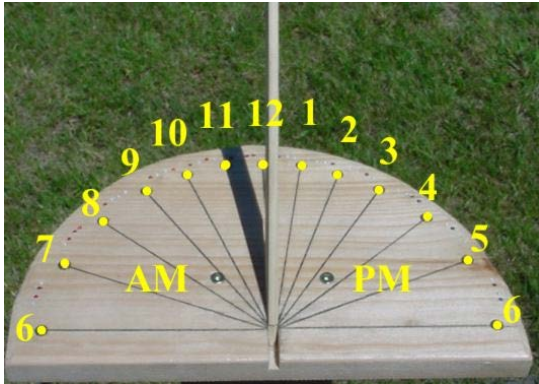


SUNDIAL



THINK OF A "SHADE SPRAY" AS A SUNDIAL.

REMEMBER: SHADOWS ARE LONGER IN THE MORNING & EVENING.

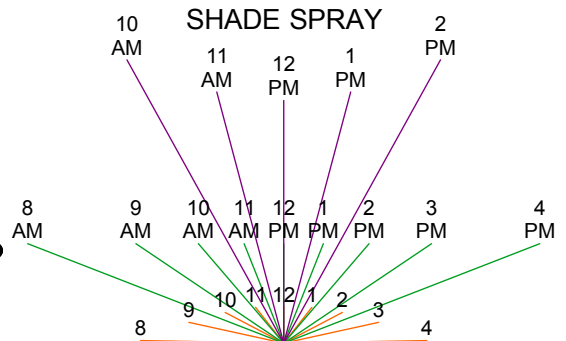
WE WILL BE USING SHADE SPRAYS TO DETERMINE HOW MUCH OF THE GROUND WILL BE SHADED BY THE RACKING STRUCTURE DURING THE GROWING SEASON.

AREAS IN CONTACT WITH THE SHADE SPRAY WILL BE SHADED.

AREAS BEYOND THE EXTENT OF THE SHADE SPRAY WILL NOT BE SHADED.



SHADE SPRAY



- WHAT WILL BE SHADED ON THE EQUINOXES: 3/20 AND 9/23
- WHAT WILL BE SHADED IN THE SUMMER
- WHAT WILL BE SHADED IN THE WINTER

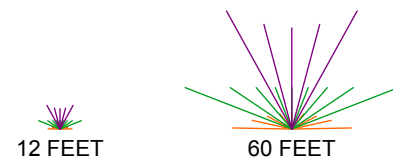
NOTES:

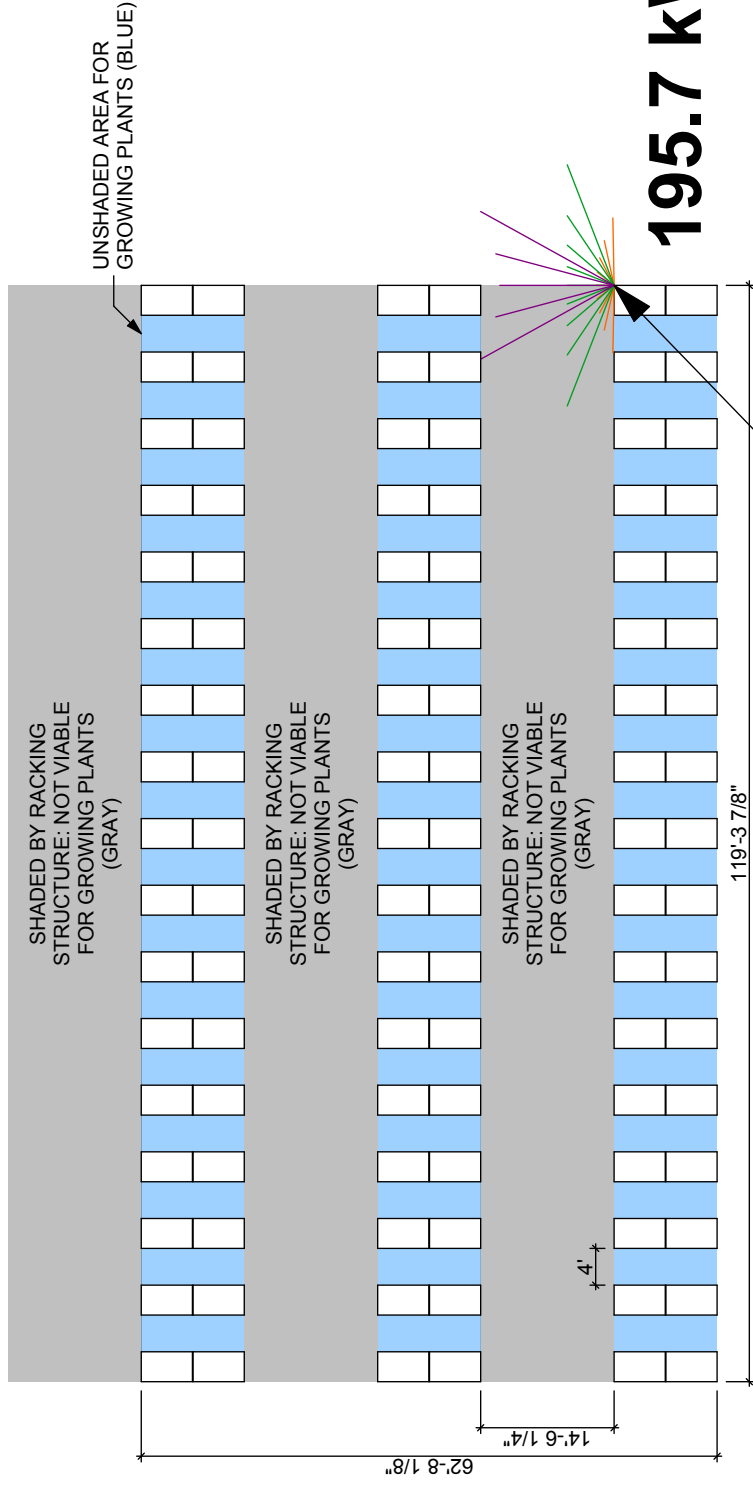
- SUMMER DATES 3/20 AND 9/23 WILL HAVE LESS GROUND SHADING THAN SHOWN BY THE GREEN LINE.
- WINTER DATES BETWEEN 9/23 AND 3/20 WILL HAVE MORE GROUND SHADING THAN SHOWN BY THE GREEN LINE.

TALL BUILDINGS CAST LONG SHADOWS. SMALL CHILDREN CAST SHORT SHADOWS.

THE SIZE OF THE SHADE SPRAY WILL NEED TO CHANGE TO ACCOUNT FOR THESE DIFFERENCES

WE CAN SCALE THE SIZE OF THE SHADE SPRAY TO ANY HEIGHT.





195.7 kWdc/acre

SMART Program Agricultural Racking:

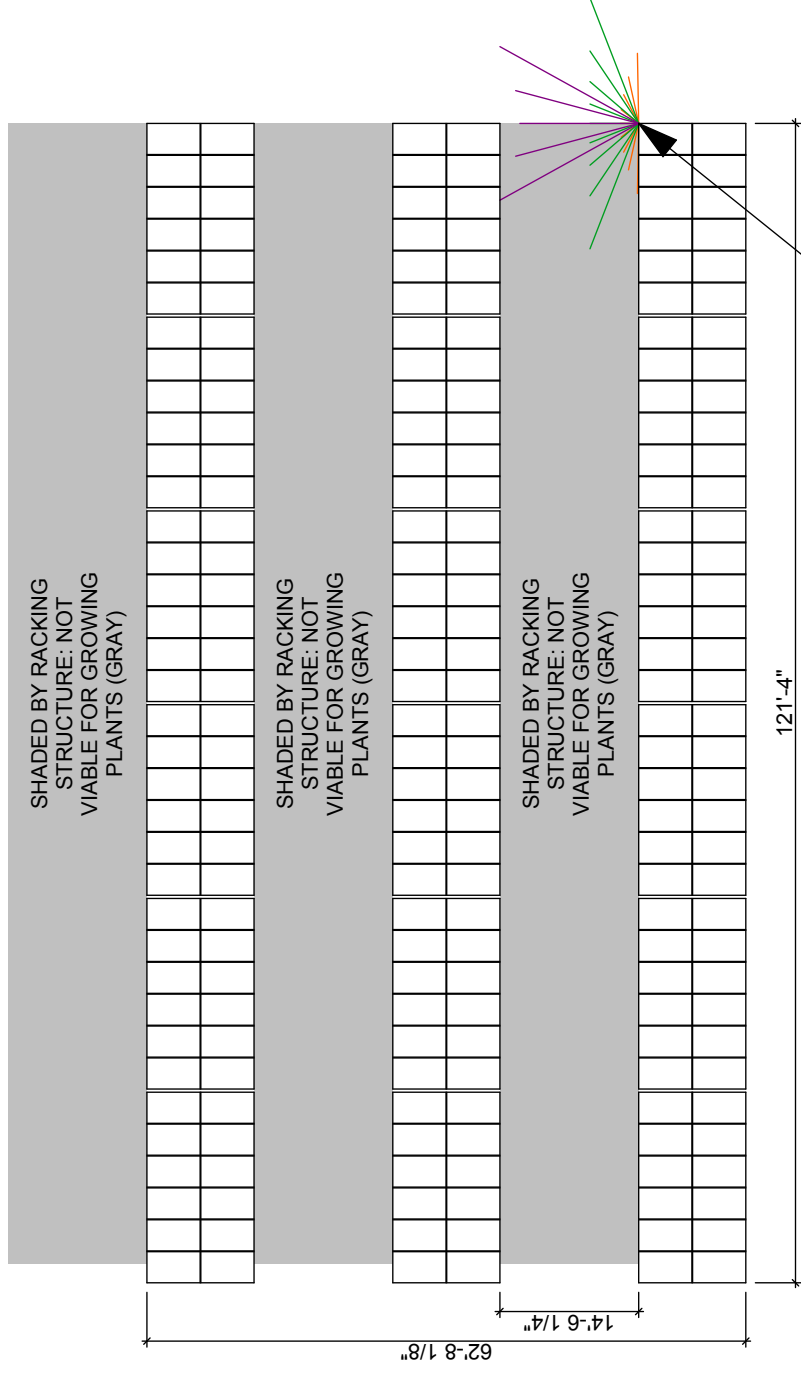
- Underutilizes racking structure by leaving every other position open; developers must purchase a full rack but are only permitted to use half of it's capacity
- 44% of total area is unshaded and suitable for growing plants

Breakdown of Ground Coverage Status:

- 0 sqft modules (0%)*
- 5,199 sqft shaded (56%)
- **4,014 sqft unshaded (44%)**
- 9,213 sqft total (100%)

* Area underneath modules is considered viable growing area because sunlight reaches these areas via adjacent 4' gaps

THIS SHADE SPRAY HAS BEEN SCALED TO REPRESENT THE HIGHEST POINT OF THE RACKING STRUCTURE. A TYPICAL PV DESIGN WILL USE THIS SHADE SPRAY TO ENSURE THE NEXT ROW OF MODULES WILL NOT BE SHADED.



407.4 kWdc/acre

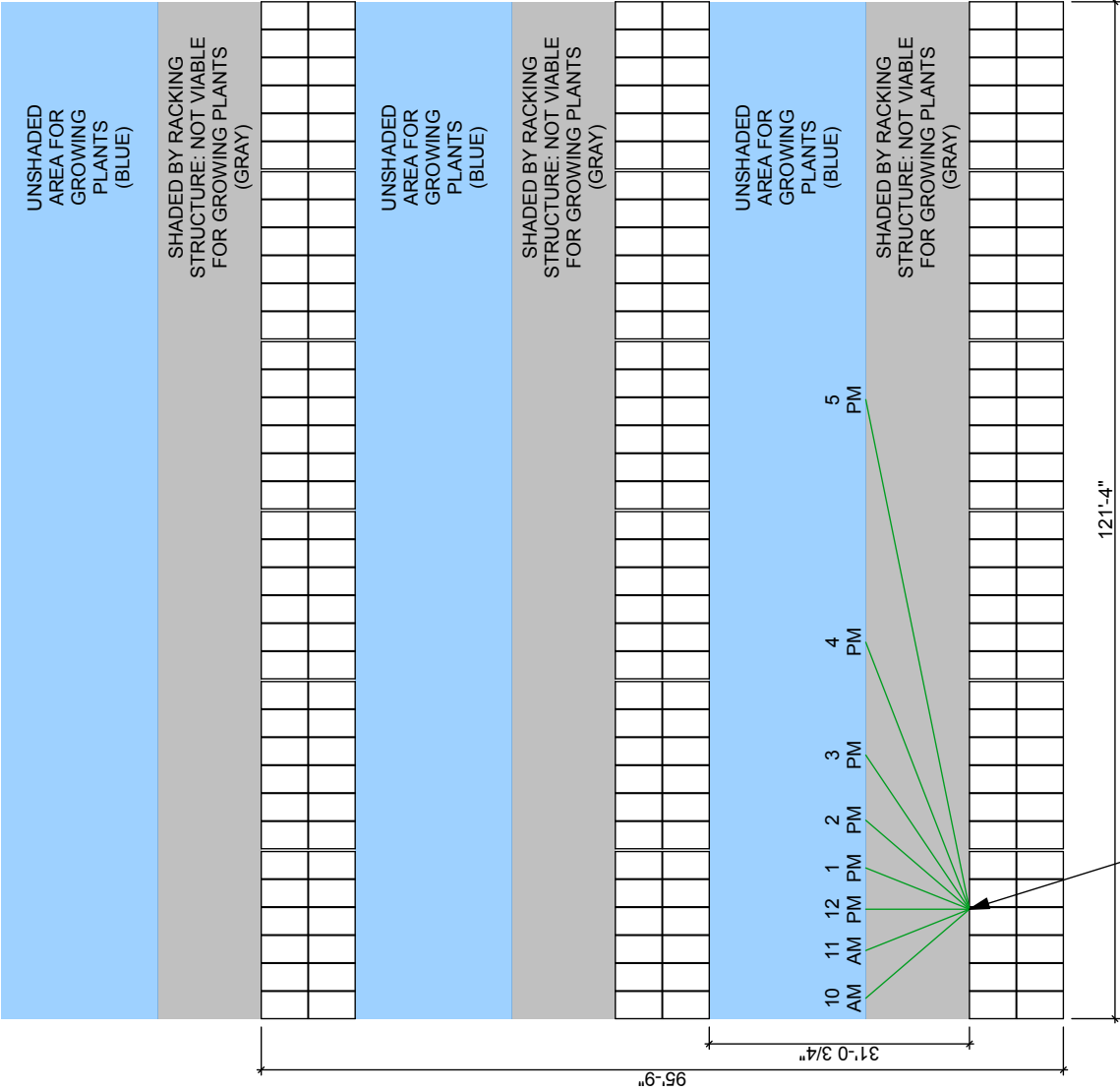
Industry standard ground mount PV racking strategy:

- Very little to no unshaded area
- Size of open ground between rows is made as small as possible, without shading the next row.

Breakdown of Ground Coverage Status:

- 4,080 sqft modules (44%)
- 5,199 sqft shaded (56%)
- 0 sqft unshaded (0%)
- 9,279 sqft total (100%)

THIS SHADE SPRAY HAS BEEN SCALED TO REPRESENT THE HIGHEST POINT OF THE RACKING STRUCTURE. A TYPICAL PV DESIGN WILL USE THIS SHADE SPRAY TO ENSURE THE NEXT ROW OF MODULES WILL NOT BE SHADED.



201.82 kWdc/acre

Improved Agricultural Racking Design:

- Fully utilizes racking structure by placing a module in every available position on the racking; easier for solar developers to monetize projects
- Provides the same percentage (44%) of unshaded area as the current SMART Standard racking; does not compromise growing ability of the site

Breakdown of Ground Coverage Status:

- 4,080 sqft modules (27%)
- 4,506 sqft shaded (29%)
- **6,799 sqft unshaded (44%)**
- 15,385 sqft total (100%)