

BILL OF MATERIALS

The Sun Box - Racking & Hardware



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Project Information:

Project: Solar Installation Project
Location: 50 W Grove Way SW, Calgary, AB T3H 4B4, Canada

PROJECT SUMMARY

Total Panels: 82 modules

Roof Surfaces: 1

MATERIAL BREAKDOWN

82 Solar Panels	58 Rails (16x 168", 38x 132", 4x 185")	122 Mid Clamps
37 Inverters	554 ft Total Rail	84 End Clamps
	16 Rail Splices	611 ft Critter Guard
	196 Roof Anchors	

IMPORTANT NOTES:

- Rail lengths: 132" (11.0 ft), 168" (14.0 ft), 185" (15.4 ft), 204" (17.0 ft) rails (optimized)
- Anchors: Spaced every 4 feet along rail runs
- Critter guard: Calculated for perimeter edges only

ROOF SURFACE 1

ELECTRICAL

18 Solar Panels
5 Inverters

STRUCTURAL

10 Rails
122 ft Total Length
6 Rail Splices
36 Roof Anchors

HARDWARE

32 Mid Clamps
8 End Clamps
97 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 2

ELECTRICAL

18 Solar Panels
9 Inverters

STRUCTURAL

10 Rails
122 ft Total Length
6 Rail Splices
36 Roof Anchors

HARDWARE

32 Mid Clamps
8 End Clamps
97 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 3

ELECTRICAL

4 Solar Panels
2 Inverters

STRUCTURAL

4 Rails
27 ft Total Length
0 Rail Splices
12 Roof Anchors

HARDWARE

4 Mid Clamps
8 End Clamps
37 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 4

ELECTRICAL

2 Solar Panels
1 Inverter

STRUCTURAL

2 Rails
13 ft Total Length
0 Rail Splices
6 Roof Anchors

HARDWARE

2 Mid Clamps
4 End Clamps
25 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 5

ELECTRICAL

16 Solar Panels
8 Inverters

STRUCTURAL

8 Rails
108 ft Total Length
4 Rail Splices
34 Roof Anchors

HARDWARE

28 Mid Clamps
8 End Clamps
111 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 6

ELECTRICAL

4 Solar Panels
2 Inverters

STRUCTURAL

4 Rails
27 ft Total Length
0 Rail Splices
12 Roof Anchors

HARDWARE

4 Mid Clamps
8 End Clamps
44 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 7

ELECTRICAL

2 Solar Panels
1 Inverter

STRUCTURAL

4 Rails
13 ft Total Length
0 Rail Splices
8 Roof Anchors

HARDWARE

0 Mid Clamps
8 End Clamps
31 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 8

ELECTRICAL

4 Solar Panels
2 Inverters

STRUCTURAL

4 Rails
27 ft Total Length
0 Rail Splices
12 Roof Anchors

HARDWARE

4 Mid Clamps
8 End Clamps
44 ft Critter Guard

Calculation method: layout-based

ROOF SURFACE 9

ELECTRICAL

14 Solar Panels
7 Inverters

STRUCTURAL

12 Rails
94 ft Total Length
0 Rail Splices
40 Roof Anchors

HARDWARE

16 Mid Clamps
24 End Clamps
125 ft Critter Guard

Calculation method: layout-based