

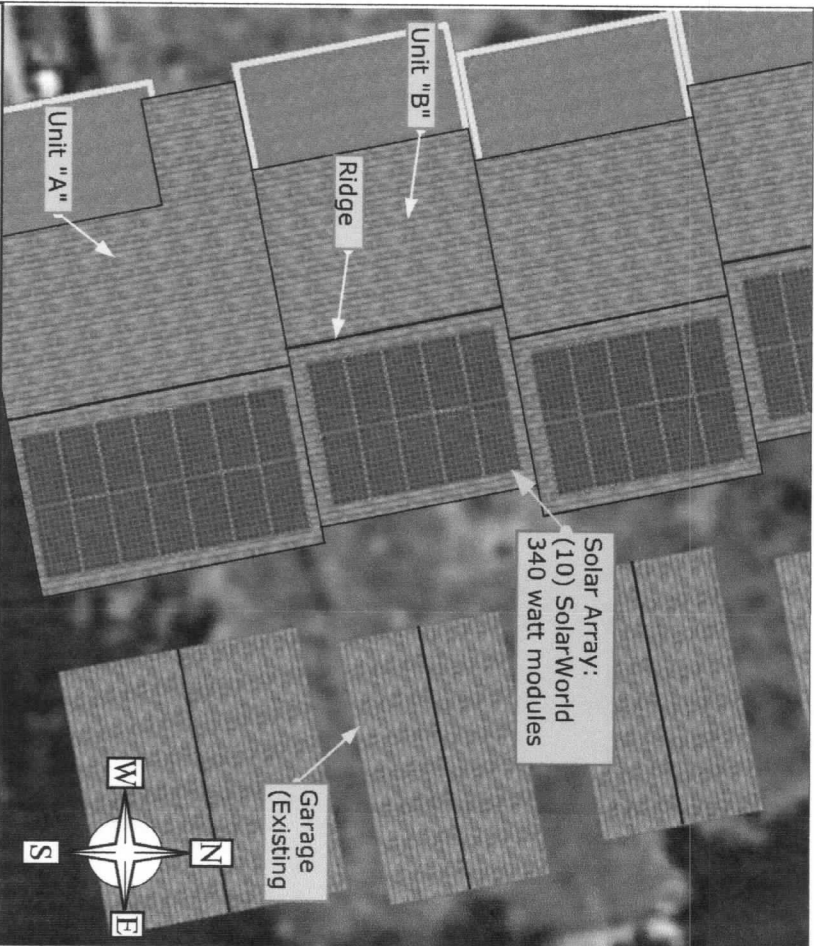
Pendleton Ventures LLC - Unit "B"
3.4 kW Direct Grid-tie Solar PV System
 1336, 1338, 1340 Spring Street, Cincinnati, Ohio 45202
 € 1342

This roof-mounted system shall consist of ten (10) SolarWorld 340 watt, monocrystalline, 72-cell, silver-framed modules with white backsheet mounted to roof using the IronRidge racking system attached to roof using QuickMount flashing blocks. See "Main System Components" for tilt angle and azimuth.

- o **Solar Array:** The ten (10) SolarWorld 340 watt modules shall be wired as one (1) string of ten (10) modules. Each module shall have a 400 watt Power Optimizer mounted on the underside of the module.
- o **Inverter:** The SolarEdge HD Wave 3.0 kW, 240VAC inverter shall be fed by one (1) string of ten (10) modules.
- o The inverter output shall be metered, monitored, and a back-feeding circuit breaker shall be used to attach this PV system to the building's electrical grid.
- o The projected annual production of the Solar PV System = 3,940 kWh.

Assumptions:

- o The roof structure has the correct strength and the supports are spaced such that it can support the proposed solar PV array. A formal structural evaluation has been included in DoveTail's scope of work.
- o The Customer shall be responsible for providing a 1" (min.) PVC conduit with pullwire from the attic to the inverter location near the existing main electrical panel.



Main System Components:

- o **System Watts:** 3,400 DC watts STC
- o **Solar Module:** Qty: (10) SolarWorld SW340XL Mono
- o **Racking System:** IronRidge XR100
- o **Inverter(s):** Qty: (1) SolarEdge HD Wave 3.0 kW, 240 volt inverter w/ Qty: (10) SolarEdge 400 watt Power Optimizers
- o **Array Azimuth (orientation):** 78°
- o **Array Tilt:** 18.4° (based on roofs 4:12 pitch)



Drawing Name: Pendleton Unit "B": Array Layout/ Summary

Drawn By: Jason R. DePeel
 Date: 2/8/2016

16675 Canaanville Hills Road

Athens, OH 45701

Phone: 740-592-1800

Fax: 740-592-4095

Revisions:

- 08/18/16: Change modules
- 04/21/17: Change modules

Sheet:
PV-1

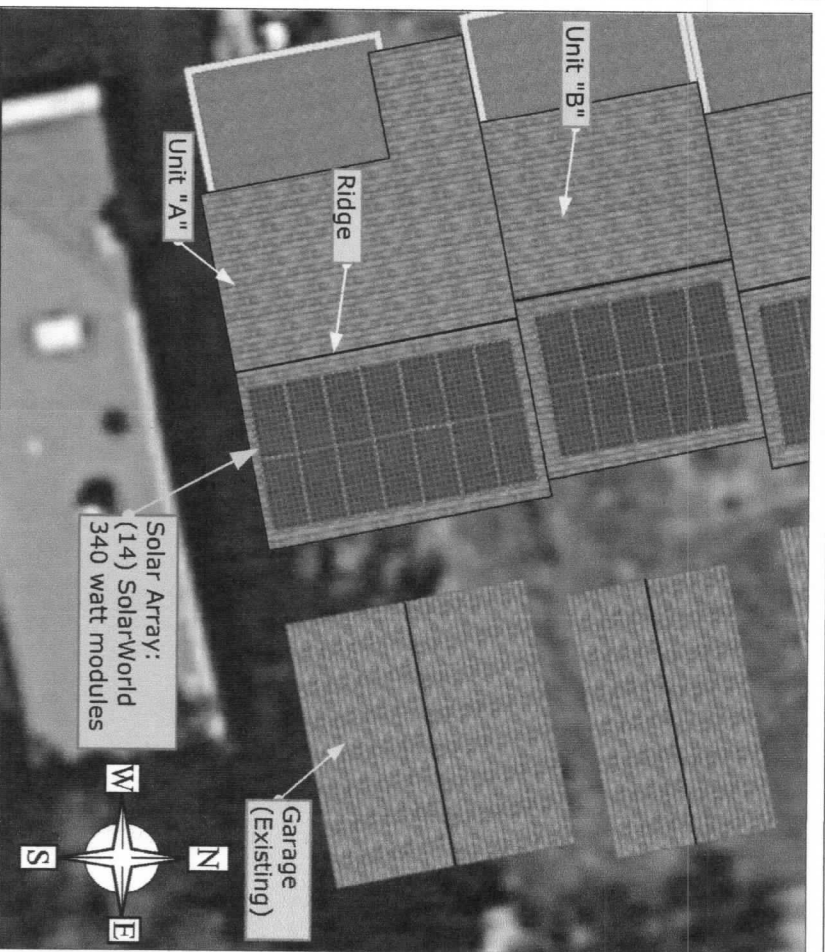
Pendleton Ventures LLC - Unit "A"
4.76 kW Direct Grid-tie Solar PV System
 1336, 1344 Spring Street, Cincinnati, Ohio 45202

This roof-mounted system shall consist of fourteen (14) SolarWorld 340 watt, monocrystalline, 72-cell, silver-framed modules with white backsheet attached to roof using the IronRidge racking system attached to roof using QuickMount flashing blocks. See "Main System Components" for tilt angle and azimuth.

- **Solar Array:** The fourteen (14) SolarWorld 340 watt modules shall be wired as one (1) string of fourteen (14) modules. Each module shall have a 400 watt Power Optimizer mounted on the underside of the module.
- **Inverter:** The SolarEdge HD Wave 3.8 kW, 240VAC inverter shall be fed by one (1) string of fourteen (14) modules.
- The inverter output shall be metered, monitored, and a back-feeding circuit breaker shall be used to attach this PV system to the building's electrical grid.
- The projected annual production of the Solar PV System = 5,520 kWh.

Assumptions:

- The roof structure has the correct strength and the supports are spaced such that it can support the proposed solar PV array. A formal structural evaluation has been included in Dovetail's scope of work.
- The Customer shall be responsible for providing a 1" (min.) PVC conduit with pullwire from the attic to the inverter location near the existing main electrical panel.



Main System Components:

- **System Watts:** 4,830 DC watts STC
- **Solar Module:** Qty: (14) SolarWorld SW340XL Mono
- **Racking System:** IronRidge XR100
- **Inverter(s):** Qty: (1) SolarEdge HD Wave 3.8 kW, 240 volt inverter w/ Qty: (14) SolarEdge 400 watt Power Optimizers
- **Array Azimuth (orientation):** 78°
- **Array Tilt:** 18.4° (based on roofs 4:12 pitch)



16675 Canaanville Hills Road
 Athens, OH 45701
 Phone: 740-592-1800
 Fax: 740-592-4095

Drawing Name: Pendleton Unit "A": Array Layout/ Summary	
Drawn By: Jason R. DePeel	Revisions:
Date: 2/8/2016	08/18/16: Change modules
	04/21/17: Change modules

Sheet:
PV-1