



**BUNCOMBE
COUNTY
GOVERNMENT**

Buncombe County Public Sector Solar Initiative
Addendum #1
5/29/2020

BUNCOMBE COUNTY - BID DRAWINGS AND SPECIFICATIONS:

- **G-002-PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.2.C.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.3.H.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** – Added section 1.2.Z.

- **E-D31-RACKING PLANS** - Removed special instructions language and block.

- **E-E11-SITE PLAN** - Relocated electrical room and components within electrical room.
- **E-E31-RACKING PLANS** - Removed special instructions language and block.

- **E-F30, 31, 32, 33 -RACKING PLANS** - Removed old racking plans and replaced with new racking plans.

- **E-G10-SITE PLAN** - Added note to conceal rooftop conduits in attic.

- **E-H30, 31, 32-RACKING PLANS** - Removed old racking plans and replaces with new racking plans.

- **E-I20-SINGLE LINE DIAGRAM** – Added generator and ATS to single line diagram.

- **E-J10-SITE PLAN** - Added note to conceal rooftop conduits in attic.
- **E-J30, 31, 32, 33-RACKING PLANS** - Removed old racking plans and replaces with new racking plans.

- **E-K30, 31, 32-RACKING PLANS** - Removed old racking plans and replaces with new racking plans.

- **E-M10-SITE PLAN** - Relocated PV disconnect.
- **E-M39, 40, 41-RACKING PLANS** - Removed old racking plans and replaces with new racking plans.



CITY OF ASHEVILLE - BID DRAWINGS AND SPECIFICATIONS:

- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.2.C.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.3.H.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.3.I.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 5.1.B.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** – Added section 1.2.Z.

- **E-A10-SITE PLAN** - Added LCD monitor display and general note stating location of display.

- **E-B10-SITE PLAN** - Added general note to secure ballast blocks to racking system with zip ties.
- **E-B10-SITE PLAN** - Added LCD monitor display and general note stating location of display.

- **E-C10-SITE PLAN-HOUSE LOADS** - Relocated PV1. Relocated server rack location.
- **E-C11-SITE PLAN-HOUSE LOADS** - Relocated PV2. Relocated server rack location.
- **E-C12-SITE PLAN-HOUSE LOADS** - Relocated PV3. Relocated server rack location.
- **E-C13-SITE PLAN-HOUSE LOADS** - Relocated server rack location.
- **E-C20-SINGLE LINE DIAGRAM-HOUSE LOADS** - Updated meter numbers.
- **E-C31-RACKING PLANS** - Removed special instructions language and block.

- **E-D10-SITE PLAN** - Relocated inverters and PV1 panel.
- **E-D20-SINGLE LINE DIAGRAM** – Added generator and ATS to single line diagram.

- **E-E20-SINGLE LINE DIAGRAM** – Added generator and ATS to single line diagram.

AB TECH - BID DRAWINGS AND SPECIFICATIONS:

- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.2.C.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.3.H.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** – Added section 1.2.Y.

ASHEVILLE CITY SCHOOLS - BID DRAWINGS AND SPECIFICATIONS:

- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.2.C.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.3.H.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Added section 2.3.I.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** – Added section 1.2.Y.

BUNCOMBE COUNTY SCHOOLS - BID DRAWINGS AND SPECIFICATIONS:

- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** - Updated and modified section 2.2.C.
- **G-002- PHOTOVOLTAIC SYSTEM SPECIFICATIONS** – Added section 1.2.Y.

- **E-A10-SITE PLAN** - Relocated server rack and rerouted circuit.

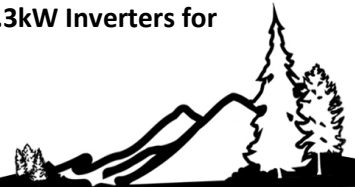


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- **E-B10-SITE PLAN** - Removed general note C.
- **E-D10-SITE PLAN** - Removed general note C.
- **E-D20-SINGLE LINE DIAGRAM** - Upsized PV1 Panelboard to 250. Swapped out existing 225A spare to 250A.
- **E-E10-SITE PLAN** - Removed general note B.
- **E-F10-SITE PLAN** - Added note to conceal rooftop conduits in attic.
- **E-F20-SINGLE LINE DIAGRAM** – Changed point of interconnection breaker in panel MSWB. Added additional notes for installation requirements.
- **E-F20-SINGLE LINE DIAGRAM** – Added note to dial down main breaker trip rating.
- **E-G20-SINGLE LINE DIAGRAM** – Changed panelboard PV1 from 350A to 250A.
- **E-I10-SITE PLAN** - Removed general note B.
- **E-J20-SINGLE LINE DIAGRAM** - Changed MDP to SWBD.

EQUIPMENT DATA SHEETS

- **SOLAREEDGE DC OPTIMIZER DATA SHEETS** - Deleted SolarEdge P400 Optimizer – ZEP Data Sheet, Replaced with Correct SolarEdge Single Phase Optimizer Data Sheet
- **SOLAREEDGE INVERTER DATA SHEETS** - Clarification regarding the use of SolarEdge 43.2kW Inverters for 208V sites. The 43.2kW Inverter is a pre-configured Inverter including (3) 14.4kW Inverters. This will not change the system capacity of the designs. Bidders will be allowed to quote the 43.2kW Inverters in lieu of the 14.4kW Inverters for 208V sites where there are at least three 14.4kW Inverters.
- **SOLAREEDGE INVERTER DATA SHEETS** – Added 66.6kW/100kW Inverter Data Sheet for 480V sites. The 66.6kW Inverter is a pre-configured Inverter including (2) 33.3kW inverters. The 100kW Inverter is a pre-configured Inverter including (3) 33.3kW Inverters. This will not change the system capacity of the designs. Bidders will be allowed to quote the 66.6 kW Inverters in lieu of 33.3kW Inverters for 480V sites where there are at least two 33.3kW Inverters. Bidders will be allowed to quote the 100kW Inverters in lieu of 33.3kW Inverters for 480V sites where there are at least three 33.3kW Inverters.



- **RACKING DATA SHEETS** – Added Iron-Ridge BX Data Sheet and AeroCompact Compact Flat S10 Data Sheet.

SITE VIDEOS

- **BUNCOME COUNTY GOVERNMENT** – BCG COLLEGE ST. PARKING DECK 35 WOODFIN LOADS INVERTERS – At [00:49](#) in this video, the narrator incorrectly suggested to run the combined inverter circuits from the deck level down to the ground level. These inverter circuits will combine into Panel PV1, located on the top deck level, as shown on sheet E-E11. The combined inverter circuits from Panel PV1 will then run from the top deck level to ground level.
- **ASHEVILLE CITY SCHOOLS** – ACS ASHEVILLE HIGH SCHOOL VOCATIONAL INVERTERS, PANELBOARD, PV DISCONNECT, POI – At [01:32](#) in this video, the narrator incorrectly suggests to install the inverters and panelboard in the wrong location. The location shown on the plans is correct.
- **BUNCOMBE COUNTY SCHOOLS** – BCS COMMUNITY HIGH SCHOOL PV DISCONNECT TO POINT OF INTERCONNECTION – At [01:07](#) in this video, the narrator incorrectly suggest to use an existing spare breaker for the point of interconnection, however the existing 225a breaker will need to be swapped out with a new 250a breaker for interconnection. The updated addendum plans reflect this.