

Initial Application Date: \_\_\_\_\_

Application # \_\_\_\_\_

CU# \_\_\_\_\_

**COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION**

Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

**\*\*A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION\*\***

LANDOWNER: Michael Smith Mailing Address: 3784 Abattoir Rd.  
City: Angier State: NC Zip: 27501 Contact No: 910-763-0611 Email: pineapple@hughes.net

APPLICANT: Brittany Perez Mailing Address: 10110 Jeff Davis Hwy  
City: Richmond State: VA Zip: 23271 Contact No: 804-271-2500 Email: solarproduction2013@gmail.com  
\*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: Brittany Perez Phone # 804-271-2500

PROPERTY LOCATION: Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Lot Size: \_\_\_\_\_

State Road # 3784 State Road Name: Abattoir Rd. Map Book & Page: 1

Parcel: \_\_\_\_\_ PIN: \_\_\_\_\_

Zoning: \_\_\_\_\_ Flood Zone: \_\_\_\_\_ Watershed: \_\_\_\_\_ Deed Book & Page: 1 Power Company\*: Duke

\*New structures with Progress Energy as service provider need to supply premise number \_\_\_\_\_ from Progress Energy.

**PROPOSED USE:**

SFD: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms: \_\_\_\_\_ # Baths: \_\_\_\_\_ Basement (w/wo bath): \_\_\_\_\_ Garage: \_\_\_\_\_ Deck: \_\_\_\_\_ Crawl Space: \_\_\_\_\_ Slab: \_\_\_\_\_  
(Is the bonus room finished? ( ) yes ( ) no w/ a closet? ( ) yes ( ) no (if yes add in with # bedrooms)

Mod: (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms \_\_\_\_\_ # Baths \_\_\_\_\_ Basement (w/wo bath) \_\_\_\_\_ Garage: \_\_\_\_\_ Site Built Deck: \_\_\_\_\_ On Frame \_\_\_\_\_ Off Frame \_\_\_\_\_  
(Is the second floor finished? ( ) yes ( ) no Any other site built additions? ( ) yes ( ) no

Manufactured Home: \_\_\_\_\_ SW \_\_\_\_\_ DW \_\_\_\_\_ TW (Size \_\_\_\_\_ x \_\_\_\_\_) # Bedrooms: \_\_\_\_\_ Garage: \_\_\_\_\_ (site built? \_\_\_\_\_) Deck: \_\_\_\_\_ (site built? \_\_\_\_\_)

Duplex: (Size \_\_\_\_\_ x \_\_\_\_\_) No. Buildings: \_\_\_\_\_ No. Bedrooms Per Unit: \_\_\_\_\_

Home Occupation: # Rooms: \_\_\_\_\_ Use: \_\_\_\_\_ Hours of Operation: \_\_\_\_\_ #Employees: \_\_\_\_\_

Addition/Accessory/Other: (Size \_\_\_\_\_ x \_\_\_\_\_) Use: \_\_\_\_\_ Closets in addition? ( ) yes ( ) no

Water Supply: \_\_\_\_\_ County \_\_\_\_\_ Existing Well \_\_\_\_\_ New Well (# of dwellings using well \_\_\_\_\_) \*Must have operable water before final

Sewage Supply: \_\_\_\_\_ New Septic Tank (Complete Checklist) \_\_\_\_\_ Existing Septic Tank (Complete Checklist) \_\_\_\_\_ County Sewer

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? ( ) yes ( ) no

Does the property contain any easements whether underground or overhead ( ) yes ( ) no

Structures (existing or proposed): Single family dwellings: \_\_\_\_\_ Manufactured Homes: \_\_\_\_\_ Other (specify): \_\_\_\_\_

**Required Residential Property Line Setbacks:**

Front Minimum \_\_\_\_\_ Actual \_\_\_\_\_  
Rear \_\_\_\_\_  
Closest Side \_\_\_\_\_  
Sidestreet/corner lot \_\_\_\_\_  
Nearest Building on same lot \_\_\_\_\_

Comments: Roof mount (8) panels and swap water heater - 50g.

SPECIFIC DIRECTIONS TO THE PROPERTY FROM LILLINGTON: \_\_\_\_\_

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

*Bethany Lee*  
Signature of Owner or Owner's Agent

8/27/19  
Date

\*\*\*It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.\*\*\*

\*\*This application expires 6 months from the initial date if permits have not been issued\*\*

Harnett County Central Permitting  
PO Box 65 Lillington NC 27546  
910 893 7525 Fax 910 893 2793 www.harnett.org/permits

Each section below to be filled out  
by whomever performing work  
Must be owner or licensed  
contractor Address company  
name & phone must match

**Application for Residential Building and Trades Permit**

Owner's Name Michael Smith Date 8/27/19  
Site Address 3784 Abattoir Rd. Phone 910-763-0611  
Directions to job site from Lillington \_\_\_\_\_

Subdivision \_\_\_\_\_ Lot \_\_\_\_\_  
Description of Proposed Work roof mount 8 panels + Swap WH tank # of Bedrooms \_\_\_\_\_  
Heated SF \_\_\_\_\_ Unheated SF \_\_\_\_\_ Finished Bonus Room? \_\_\_\_\_ Crawl Space \_\_\_\_\_ Slab \_\_\_\_\_

**General Contractor Information**

Solar Time  
Building Contractor's Company Name \_\_\_\_\_ Telephone 804-271-2500  
1110 Jeff Danst Hwy Richmond VA 23237 Email Address solarproduction2013@gmail.com  
Address 73536  
License # \_\_\_\_\_

**Electrical Contractor Information**

Description of Work WIRE Solar Service Size \_\_\_\_\_ Amps T-Pole \_\_\_\_\_ Yes \_\_\_\_\_ No  
CEMCO  
Electrical Contractor's Company Name \_\_\_\_\_ Telephone 910-471-8229  
PO Box 11136 Wilmington, NC 28404 Email Address cemco@hnc.com  
Address 23104-I  
License # \_\_\_\_\_

**Mechanical/HVAC Contractor Information**

Description of Work \_\_\_\_\_  
Mechanical Contractor's Company Name \_\_\_\_\_ Telephone \_\_\_\_\_  
Address \_\_\_\_\_ Email Address \_\_\_\_\_  
License # \_\_\_\_\_

**Plumbing Contractor Information**

Description of Work Swap WH tank # Baths \_\_\_\_\_  
CEPS  
Plumbing Contractor's Company Name \_\_\_\_\_ Telephone 704-681-4452  
3366 Poplar Tent Rd. Concord, NC Email Address Samcagers@yahoo.com  
Address 28551e  
License # \_\_\_\_\_

**Insulation Contractor Information**

Insulation Contractor's Company Name & Address \_\_\_\_\_ Telephone \_\_\_\_\_

\*NOTE General Contractor must fill out and sign the second page of this application

I hereby certify that I have the authority to make necessary application that the application is correct and that the construction will conform to the regulations in the Building Electrical Plumbing and Mechanical codes and the Harnett County Zoning Ordinance I state the information on the above contractors is correct as known to me and that by signing below I have obtained all subcontractors permission to obtain these permits and if any changes occur including listed contractors site plan number of bedrooms building and trade plans Environmental Health permit changes or proposed use changes I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes

**EXPIRED PERMIT FEES** - 6 Months to 2 years permit re-issue fee is \$150 00 After 2 years re-issue fee is as per current fee schedule

Bullseye Perry  
Signature of Owner/Contractor/Officer(s) of Corporation

8/27/19  
Date

### Affidavit for Worker's Compensation N C G S 87-14

The undersigned applicant being the

General Contractor     Owner     Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s) firm(s) or corporation(s) performing the work set forth in the permit

Has three (3) or more employees and has obtained workers compensation insurance to cover them

Has one (1) or more subcontractors(s) and has obtained workers compensation insurance to cover them

Has one (1) or more subcontractors(s) who has their own policy of workers compensation insurance covering themselves

Has no more than two (2) employees and no subcontractors

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker s compensation insurance prior to issuance of the permit and at any time during the permitted work from any person firm or corporation carrying out the work

Company or Name \_\_\_\_\_

Sign w/Title \_\_\_\_\_ Date \_\_\_\_\_

**Harnett County Central Permitting**

PO Box 65 Lillington, NC 27546 - Ph: 910-893-7525 - Fx: 910-893-2793 - www.harnett.org/permits

**Certification of Work Performed By Owner/Contractor  
(Individual Trade Application)**

Owner (s) of Structure: Michael Smith Phone: 910-2103-0611

Owner (s) Mailing Address: 3784 Abattoir Rd  
Angier, NC 27501

Land Owner Name (s): \_\_\_\_\_ Phone: \_\_\_\_\_

Construction or Site Address: \_\_\_\_\_

PIN # \_\_\_\_\_ Parcel # \_\_\_\_\_

Job Cost: 4,000 Description of Work to be done wire solar

Mechanical: New Unit With Ductwork \_\_\_ New Unit Without Ductwork \_\_\_ Gas Piping \_\_\_ Other \_\_\_

Electrical\*: 200 Amp \_\_\_ <200 Amp \_\_\_ Service Change \_\_\_ Service Reconnect \_\_\_ Other X wire solar  
\* For Progress Energy customers we need the premise number

Plumbing: Water/Sewer Tap \_\_\_ Number of Baths \_\_\_ Water Heater \_\_\_

Specific Directions to Job from Lillington:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_

I CEMCO will provide the electrical labor on this structure.  
(Contractors Name) (Trade)

I am the building owner or my NC state license number is 23104-T, which entitles me to perform such work on the above structure legally. All work shall comply with the State Building Code and all other applicable State and local laws, ordinances and regulations.

CEMCO  
Contractor's Company Name

PO Box 1136 Wilmington, NC 28404  
Address

23104-T  
License #

910-471-8229  
Telephone

cemco@tnc.com  
Email Address

Structure Owner / Contractor Signature: Bella Perez Date: 8/27/19

By signing this application you affirm that you have obtained permission from the above listed license holder to purchase permits on their behalf. If doing the work as owner you understand that you cannot rent, lease or sell the listed property for 12 months after completion of the listed work.

**\*Company name, address, & phone must match information on license**

**Harnett County Central Permitting**

PO Box 65 Lillington, NC 27546 - Ph: 910-893-7525 - Fx: 910-893-2793 - www.harnett.org/permits

**Certification of Work Performed By Owner/Contractor**

(Individual Trade Application)

Owner (s) of Structure: Michael Smith Phone: 910-263-0611

Owner (s) Mailing Address: 3784 Abattoir Rd.  
Angier, NC 27501

Land Owner Name (s): \_\_\_\_\_ Phone: \_\_\_\_\_

Construction or Site Address: \_\_\_\_\_

PIN # \_\_\_\_\_ Parcel # \_\_\_\_\_

Job Cost: 2100 Description of Work to be done Swap 50g w/t tank

Mechanical: New Unit With Ductwork \_\_\_ New Unit Without Ductwork \_\_\_ Gas Piping \_\_\_ Other \_\_\_

Electrical\*: 200 Amp \_\_\_ <200 Amp \_\_\_ Service Change \_\_\_ Service Reconnect \_\_\_ Other \_\_\_  
\* For Progress Energy customers we need the premise number

Plumbing: Water/Sewer Tap \_\_\_ Number of Baths \_\_\_ Water Heater X swap

Specific Directions to Job from Lillington:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_

I CEPS will provide the Plumbing labor on this structure.  
(Contractors Name) (Trade)

I am the building owner or my NC state license number is 28556, which entitles me to perform such work on the above structure legally. All work shall comply with the State Building Code and all other applicable State and local laws, ordinances and regulations.

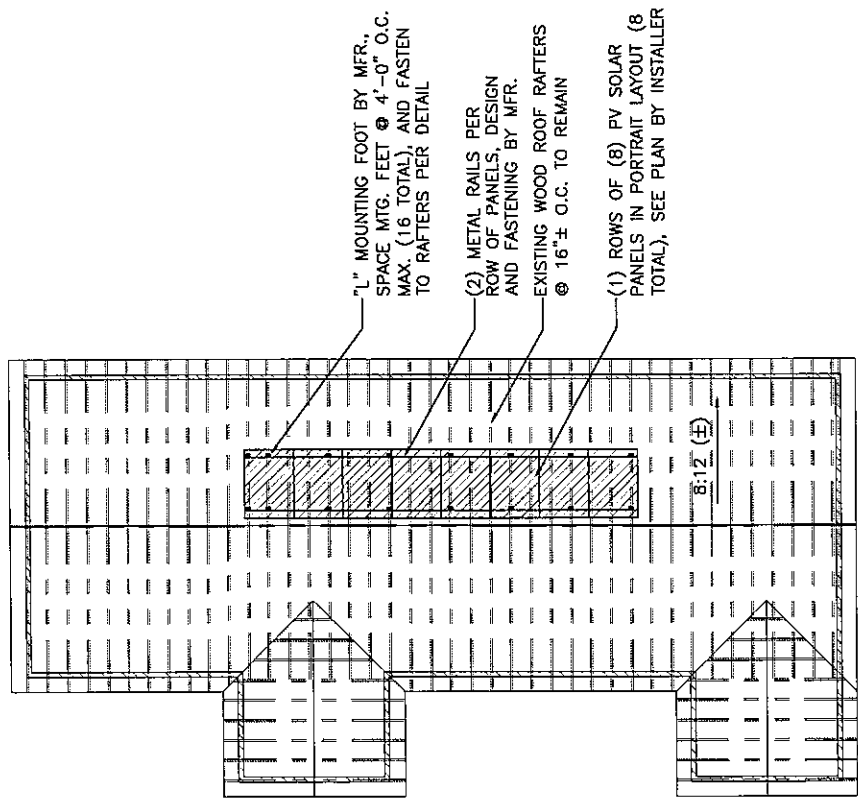
CEPS  
Contractor's Company Name  
3366 Poplar Tent Rd. Concord, NC  
Address  
28556  
License #

704-681-4452  
Telephone  
Samcaer@yahoo.com  
Email Address

Structure Owner / Contractor Signature: Brittenburg Date: 8/27/19

By signing this application you affirm that you have obtained permission from the above listed license holder to purchase permits on their behalf. If doing the work as owner you understand that you cannot rent, lease or sell the listed property for 12 months after completion of the listed work.

**\*Company name, address, & phone must match information on license**



SIDE OF BUILDING



**PANEL INSTALLATION PLAN**

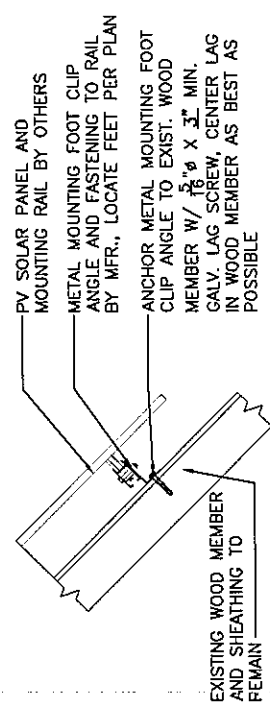
SCALE: 1/8" = 1'-0"

1 S1



**GENERAL NOTES**

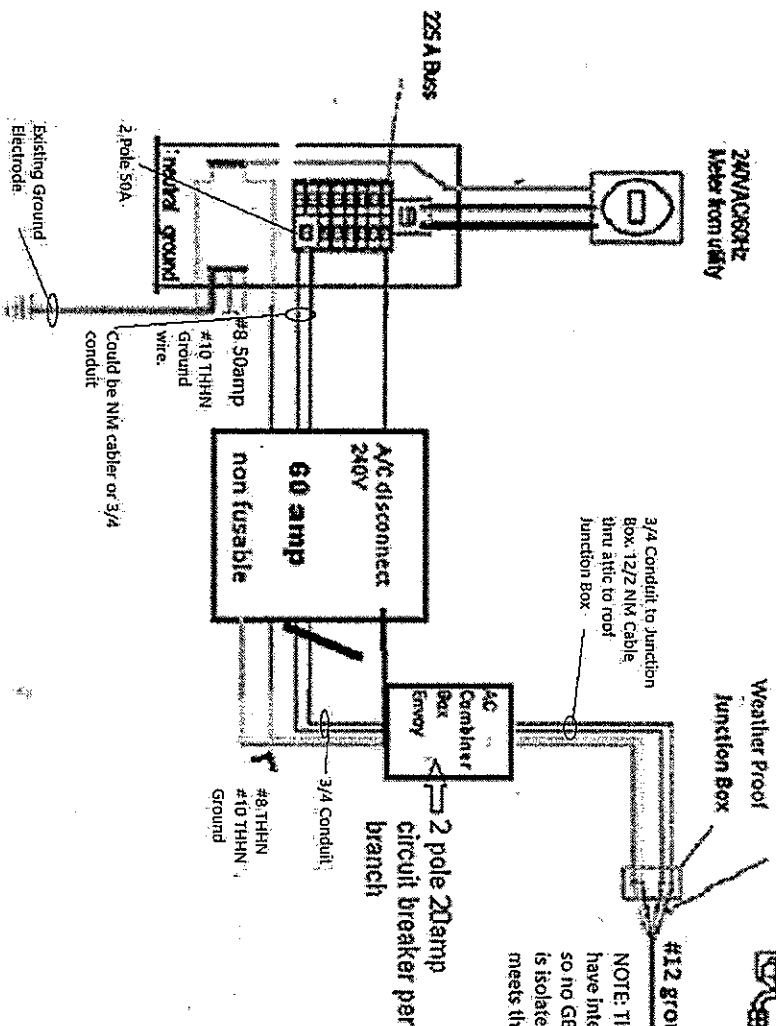
- Existing rafters have been analyzed based upon indicated sizes, spacings, and spans. Rafters have been confirmed by the installer to be 2x6 Southern Yellow Pine No. 2 Grade (SYP #2).
- Analysis performed using the design procedures included in the 2018 IRC and based upon a nominal design wind speed of 120 mph and ground snow load of 15 psf. Exposure B.
- Installer has verified the member sizes, grade stamps, truss spans, and spacing in field. Anomalies such as wider spacings, additional loads (such as HVAC equipment), and/or deflected, bowed, or damaged framing members shall be brought to the engineer's attention immediately.
- Metal rails, clips, and other support hardware shall be provided by others. See provider's cut sheets for material information and fastening details.
- Photovoltaic (PV) solar panels as analyzed based upon the criteria: approximate size of 3'-3" x 5'-6" and weigh approximately 47 pounds each. Exact manufacturer and model chosen and installed by installer.
- Work not indicated on a part of the drawings, but reasonably implied to be similar to that shown at corresponding pieces, shall be repeated.
- These structural drawings are intended solely to address the adequacy of the existing roof framing components to support the additional loads imposed by the installation of the indicated PV solar panels in accordance with the load requirements of the 2018 North Carolina Residential Code. All other components of the existing house, both structural and otherwise, are outside the scope of these drawings.
- Install water-tight flashing and/or caulking around all roof penetrations as required by IRC.
- Fasteners for preservative treated and fire retardant-treated wood shall be hot-dipped zinc coated galvanized steel, stainless steel, silicon bronze, or copper per IRC 2304.9.5.



**TYP. ATTACHMENT TO ROOF**

SCALE: 1" = 1'-0"

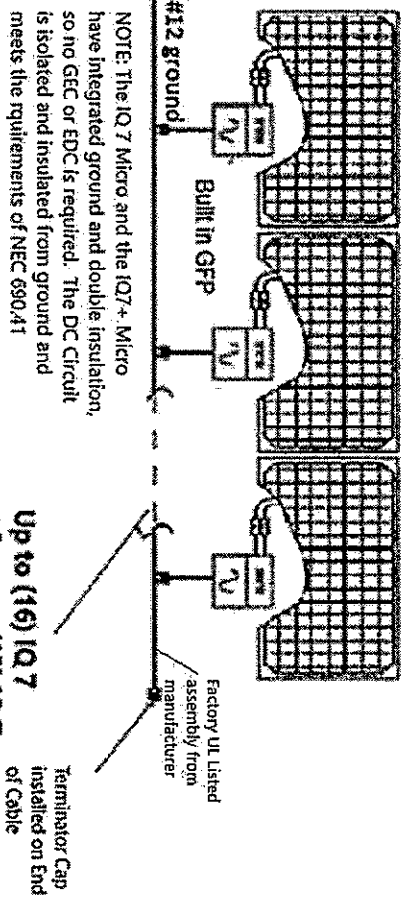
2 S1



**FIELD WIRING DIAGRAM  
240VAC SINGLE PHASE**

**NAME:** Michael Smith  
**ADDRESS:** 3784 Abattoir Rd. Angier, NC 27501  
**MODEL:** (4) enduse energy D3kw model IQ7plus-72-x-us 240v, 290w  
**PANEL:** (4) Solaria 300w (Model Solaria Biver XT-360E-PD)

**NOTE:** Ground PV modules according to local requirements



**NOTE:** The IQ7 Micro and the IQ7+ Micro have integrated ground and double insulation, so no GEC or EDC is required. The DC Circuit is isolated and insulated from ground and meets the requirements of NEC 690.41

**IMPORTANT:** Make sure to measure the line to line and the line to neutral voltage of all service entrance conductors prior to installing any solar equipment. The voltages for the 240 VAC rater microinverters should be within the following line to line: 211-264 VAC. line to neutral 106-132 VAC.



