DRAFT AGENDA

Wake County Historic Preservation Commission
Monthly Meeting
Tuesday, September 8, 2026 – 3:30 PM
Room 2800 – Wake County Justice Center
301 S. McDowell Street, Raleigh, North Carolina

I. Call to Order/ Roll Call

II. Approval of September 8, 2026 Agenda

III. Approval of August 11, 2026 Minutes

IV. Public Hearing for a Certificate of Appropriateness (CA-09-26)

Owners: 8401 Mitchell Mill, LLC
Landmark: Heartsfield- Perry Farm
Location: 8401 Mitchell Mill Road, Zebulon
Jurisdiction: Wake County
The applicant is requesting a Certificate of Appropriateness for the installation of solar panels on a non-contributing secondary building

V. Designation Committee Report

VI. Staff Report

A. James E. Ballentine House, 6921 Sunset Lake Road, Fuquay-Varina
B. Rands Mill Roadside Marker
C. Annual Retreat
D. CLG Training
E. Minor Works Approvals
F. Other

VII. Old Business

VIII. New Business

A. Possible Resolution regarding proposed demolition of the James E. Ballentine House, Fuquay-Varina

IX. Other Business

X. Chair's Report

XI. Adjourn

DRAFT AGENDA

Wake County Historic Preservation Commission
DESIGNATION COMMITTEE
Tuesday, September 8, 2026 – 3:00 PM
Room 2800 – Wake County Justice Center
301 S. McDowell Street, Raleigh, North Carolina

I. Call to Order

II. Approval of September 8, 2026 Agenda

III. Staff Report

A. James E. Ballentine House, 6921 Sunset Lake Road, Fuquay-Varina
B. Preservation Fund FY 2027
C. Other

IV. Other Business

V. Chair's Report

VI. Adjourn

DRAFT MINUTES

Wake County Historic Preservation Commission
Tuesday, August 11, 2026 – 3:45 PM Room 2800 – Wake County Justice Center
301 S. McDowell Street, Raleigh, North Carolina

Members Present (9): Mr. Jeff Hastings (Chair), Mr. Ed Morris (Vice-Chair), Ms. Suzanne Prince, Ms. Peggy Beach, Mr. Dan Turner, Ms. Karen Padgett, Ms. Judy Bass, Mr. Tom Carrigan, Ms. Stephanie Ashworth

Members Absent (2): Mr. Brendan Fetters, Mr. John McDougal

Staff (3): Mr. Jeremy Bradham, Capital Area Preservation, Inc. (CAP)
Ms. Terry Nolan, Wake County Planning and Development Services Division

1. Call to Order/ Roll Call
Mr. Hastings called the meeting to order at 3:30pm

2. Approval of August 11, 2026 Agenda
Approved as submitted.

3. Approval of June 9, 2026 Minutes
Approved as submitted.

4. Election of Officers
Ms. Ashworth presided over the election of the Chair and Vice-Chair.
Floor was opened for nominations. The Nominating Committee presented the following slate of officers: Mr. Hastings for Chair and Mr. Morris for Vice-Chair.
Mr. Hastings and Mr. Morris stepped out of the room during consideration of the slate.
The commission accepted the slate of Mr. Hastings as Chair and Mr. Morris as Vice-Chair by acclamation.

5. Public Hearing for a Certificate of Appropriateness (CA-03-26)

Owners: New Waters Recovery North Carolina RTC, LLC
Landmark: J. Beale Johnson House
Location: 6321 Johnson Pond Road, Fuquay-Varina
Jurisdiction: Fuquay-Varina
The applicant is requesting a Certificate of Appropriateness for drive aisle modifications, ADA ramp, and exterior egress staircase on Main House. This CA revokes CA-01-25 and CA-11-25.

Mr. Hastings began by summarizing the public hearing procedures.

(https://www.wake.gov/departments-government/board-commissioners/meetings-schedules-materials/meeting-procedures)

Mr. Hastings swore in Mr. Bradham and the applicant team.

Mr. Hastings opened the public hearing for Certificate of Appropriateness CA-03-26. All individuals intending to provide testimony were sworn.
Mr. Ryan Peterman, representing New Waters Recovery, presented the proposed site and building modifications associated with the adaptive use of the J. Beale Johnson House property. He explained that the application represented a revised comprehensive proposal and included modifications to the entrance drive, entrance gate, parking, accessibility improvements, life-safety improvements, bicycle parking, trash enclosure, fire apparatus access, pedestrian circulation, and landscaping.
Mr. Peterman reviewed the principal components of the application:

- The existing concrete entrance drive will be removed and widened to approximately 24 feet to satisfy fire apparatus access requirements. The replacement drive will utilize gray-toned stamped asphalt intended to provide greater durability on the steep entrance grade while presenting a more compatible appearance than conventional asphalt or concrete.
- A new entrance gate will include two brick columns utilizing brick compatible with the existing chimneys of the historic residence, Monticello-style light fixtures, and a black ornamental metal gate.
- Ten additional parking spaces will be distributed throughout the site, including spaces adjacent to the existing roundabout, along the entrance drive, near the existing garage, and beyond the proposed fire apparatus turnaround. One ADA-accessible parking space will be provided near the garage.
- A wood ADA-accessible ramp will be constructed on the west elevation of the main house. Its materials and detailing are intended to reflect the character of the existing front porch. The existing section of historic railing affected by the work will be carefully removed and retained for future reinstallation.
- A temporary metal egress stair will be installed on the east elevation of the house and painted white to reduce its visual prominence. The stair will be independently supported and attached in a manner intended to allow its future removal.
- A small bicycle rack area will be installed southwest of the existing garage on a paver surface with two bicycle loops.
- A trash enclosure will be constructed south of the existing garage using wood lap siding and posts compatible with the garage. The enclosure will be sufficiently tall to screen the trash containers and will be supplemented with landscaping.
- A paver hammerhead turnaround will be constructed south of the garage to provide the turning radius required for fire apparatus and access to the trash enclosure.
- A paver sidewalk will extend from the existing circulation area toward Johnson Pond Road to satisfy Town requirements and provide future connection to planned roadway improvements.

QUERY: Mr. Hastings asked for clarification regarding the bicycle rack surface because the submitted materials referenced a concrete pad. Mr. Bradham and the applicant team clarified that the proposal had been revised and the bicycle racks would be installed on pavers rather than a conventional concrete pad.

Ms. Robin McAdoo, landscape architect, presented the proposed landscaping plan. She explained that many of the proposed plantings are required as part of the Town's review, but the project team sought historically appropriate species and plantings compatible with those already found on the property.

Ms. McAdoo reported that several trees must be removed because of utility conflicts, widening of the entrance drive, and construction of the hammerhead turnaround. Two trees affected within the heritage-tree buffer require replacement at a 2:1 ratio, resulting in four replacement trees. Four additional trees affected by internal improvements will be replaced at a 1:1 ratio. Replacement trees will generally be three-inch caliper specimens of species compatible with those being removed. Additional landscaping will screen the new parking areas, bicycle racks, trash enclosure, garage area, and ADA ramp. Supplemental plantings are also intended to frame the historic residence when viewed from Johnson Pond Road and direct views toward the house rather than the new service and circulation improvements.
QUERY: Ms. Ashworth asked about the size and species of the replacement trees. Ms. McAdoo confirmed that the replacements will be three-inch caliper trees and that species will be selected to correspond as closely as possible with those being removed.
QUERY: Ms. Beach asked why the proposed exterior egress stair is considered temporary. Mr. Peterman explained that the stair is required for the proposed residential treatment use. If the historic house is no longer used for that purpose in the future and instead serves an administrative or similar function, the exterior stair can be removed and the existing interior circulation can again serve the building.
QUERY: Ms. Ashworth asked whether the stamped asphalt entrance drive would include contrasting perimeter edging similar to an example image shown during the presentation. Mr. Peternan clarified that the photograph was an illustrative road-construction example and that the proposed driveway will not include contrasting colored edging.
QUERY: Mr. Carrigan asked why stamped asphalt was proposed for the entrance drive while pavers are proposed elsewhere on the property. Mr. Peterman explained that the entrance has a significant grade, and that stamped asphalt is expected to provide greater longevity and durability, particularly if the drive must accommodate fire trucks and other emergency vehicles.
QUERY: Mr. Carrigan asked whether stamped concrete had been considered as an alternative. Mr. Peterman stated that it had not been considered as part of the current proposal.
QUERY: Mr. Turner asked about the historic materials affected by installation of the temporary egress stair, particularly the original jib door, window components, and porch railing. Mr. Peterman confirmed that the original elements will be carefully removed, retained, stored, and reinstalled when the temporary stair is no longer required.
QUERY: Mr. Turner asked what would replace the jib door while it is removed. Mr. Peterman explained that a wood residential-style door with the required interior-egress hardware will be installed and painted white on the exterior to minimize its visual impact.
QUERY: Mr. Turner asked for clarification concerning whether the stationary upper portion of the existing window will also have to be removed. Mr. Peterman confirmed that it will be removed and retained.
QUERY: Mr. Carrigan asked whether the existing entrance drive is currently concrete and whether it will be completely removed. Mr. Peterman confirmed that the existing concrete drive will be demolished in its entirety.
QUERY: Ms. Ashworth asked who will be responsible for tracking and safeguarding the historic elements removed from the house. Mr. Peterman stated that a specific representative of the New Waters Recovery ownership team will be identified to inventory and monitor the materials. He identified Justin McClendon and Thomas

Hogshead as members of the ownership team who could assume responsibility for ensuring the materials are retained and properly maintained.
N.B. Mr. Turner emphasized that removal of the historic jib door, window components, and original railing will require individuals with appropriate experience and should not be treated as ordinary demolition work. Mr. Bradham reported that Williams Building had been selected as general contractor in part because of its experience with historic buildings and higher-level craft work.
N.B. Mr. Turner expressed support for replacing the existing concrete entrance drive with stamped asphalt, stating that it will be more visually compatible with the overall historic landscape. Mr. Bradham noted that the existing concrete driveway had been installed by a previous owner without approval of the Historic Preservation Commission.
QUERY: Ms. Ashworth asked about the location and appearance of the trash enclosure. Mr. Peterman confirmed that it will be south of the existing garage, constructed with wood lap siding and wood posts to resemble the garage, with its gates oriented to the west. He further noted that plantings will surround the enclosure to soften its appearance.
QUERY: Ms. Ashworth asked about the proposed right-of-way sidewalk. Mr. Peterman estimated that it will extend approximately 100 feet from the existing circular drive toward the right-of-way. Ms. McAdoo clarified that it will generally follow the alignment of a former driveway and terminate at the right-of-way, where it can eventually connect with future improvements to Johnson Pond Road.

Following the applicant presentation and questions, Mr. Bradham presented the staff analysis. He noted that CA-03-26 represents the first major Certificate of Appropriateness application reviewed under the newly adopted Wake County Principles and Standards. With no further questions for the applicant, Mr. Bradham provided the following relevant *Principles and Standards* for the proposed work:

Section 2 – Site Features & Plantings

1. Historic site features and landscape patterns must be preserved. The historic organization of the site—including yards, open spaces, circulation routes, and functional relationships between buildings and landscape—must be retained. Alterations that disrupt historic spatial patterns are not appropriate.
2. Mature trees, hedgerows, gardens, and other significant plantings and vegetation that contribute to the historic character of the site must be retained and maintained. Removal of significant vegetation without justification related to health, safety, or preservation necessity is not appropriate.
3. Replacement of historic plantings must be compatible. When historic plantings are lost due to age, disease, or damage, replacement should reflect the scale, form, and character of the original planting. Introductions that alter historic landscape character are not appropriate.
5. New site features must be compatible with the historic setting. New landscape elements, site furnishings, or amenities must be subordinate in scale and compatible in placement and appearance with the historic site. Features that introduce visual clutter or dominate the landscape are not appropriate.

Section 4 – Walkways, Driveways, and Parking Areas

1. Historic walkways, driveways, and parking areas must be preserved and maintained. Removal or replacement of repairable historic circulation features is not appropriate.
2. The historic location, alignment, width, and configuration of walkways and driveways must be retained. Alterations that disrupt established circulation patterns or site organization are not appropriate.
3. New walkways, driveways, and parking areas must be compatible with the historic circulation patterns and site organization of the landmark property.
   New routes should respect traditional alignments, relationships, and hierarchy, without requiring replication of historic layouts.
4. Walkway, driveway, and parking materials must be compatible with the landmark's period of significance and historic character. Materials, finishes, and detailing should reflect those historically associated with the property's era and setting, rather than introducing utilitarian or contemporary surfaces inconsistent with the historic context.
5. Walkways and driveways must remain visually subordinate to the historic building and landscape. Overly wide, visually dominant, or heavily engineered circulation features are not appropriate.
6. Parking areas must be located to minimize visual impact. Placement in front yards, along primary façades, or in prominent viewsheds is not appropriate.
7. Changes to grading associated with walkways, driveways, or parking areas must be minimized. Extensive regrading, retaining systems, or site alterations that disrupt historic topography are not appropriate.
8. Historic site features, including steps, curbs, edging, and associated landscape elements, must be preserved and repaired where they exist. Removal or alteration without evidence of deterioration beyond repair is not appropriate.

Section 26 – Accessibility and Life Safety

1. Accessibility and life-safety features must be designed to minimize visual and physical impact on historic buildings and sites. Features that dominate, obscure, or fundamentally alter character-defining elements are not appropriate.
2. Primary façades and principal entrances must be preserved. Accessibility and life-safety features should be located at secondary elevations or rear areas where they are less visually prominent.
3. Historic materials and architectural features must not be removed or substantially altered to accommodate accessibility or life-safety improvements. Where conflicts arise, solutions that avoid loss of historic fabric must be prioritized.
4. Accessibility routes, ramps, lifts, and platforms must be simple, restrained, and clearly subordinate to the historic building. Oversized, visually dominant, or architecturally expressive systems are not appropriate.
5. Handrails, guardrails, and protective barriers must be compatible in scale, profile, and appearance with the historic building. Bulky, industrial, or visually intrusive systems are not appropriate.
8. Accessibility and life-safety improvements must be reversible. Installations that permanently alter or destroy historic fabric are not appropriate.
9. Site features associated with accessibility, including walks, landings, and ramps, must respect historic site design, grading, circulation patterns, and landscape features. Alterations that disrupt historic spatial organization are not appropriate.

Staff concluded that the proposed work is not incongruous with the special character of the J. Beale Johnson House as required by Chapter 160D of the North Carolina General Statutes and recommended approval of CA-03-26.

N.B. Mr. Bradham further explained that approval of CA-03-26 would effectively replace the two previous approvals associated with the project, CA-01-25 and CA-11-25. Although several components had previously been reviewed and approved by the commission, the current application was presented as a comprehensive new Certificate of Appropriateness that would supersede the earlier approvals.

Mr. Hastings asked if there was anyone to speak for or against the application. Hearing none, Mr. Hastings closed the public hearing.

With no further discussion, Ms. Beach offered the following motion: "I move that the Wake County Historic Preservation Commission find and conclude that the proposed work at the J. Beale Johnson House is in accordance with the following applicable Wake County Principles & Standards as fully read into the record by staff:

Section 2 – Site Features & Plantings
Standards 1, 2, 3, and 5

Section 4 – Walkways, Driveways & Parking Areas
Standards 1, 2, 3, 4, 5, 6, 7, and 8

Section 26 – Accessibility and Life Safety
Standards 1, 2, 3, 4, 5, 8, and 9

FINDINGS OF FACT AND CONCLUSIONS

1. The proposed site improvements preserve the historic organization, landscape character, and historic character of the landmark through compatible site features, preservation of established site relationships, and the retention and enhancement of landscape buffers. Proposed replacement trees and supplemental plantings provide additional screening of parking, service areas, the security gate, and other new site improvements.

2. The proposed driveway, parking, pedestrian circulation, and accessibility improvements build upon the property's established circulation system while maintaining the historic character of the landmark through compatible materials, design, scale, and location.

3. The proposed ADA-accessible ramp and temporary exterior life-safety stair minimize impacts to historic materials and character-defining architectural features through their placement on secondary elevations, compatible design, and reversible nature. Proposed landscape plantings further soften and partially screen views of the ADA-accessible ramp.

4. The proposed temporary exterior life-safety stair is necessary to provide code-compliant life-safety improvements, and its temporary nature, together with the

applicant's commitment to remove the stair and restore affected historic materials and finishes when no longer required for the proposed use, substantially reduces its long-term impact upon the historic landmark.

5. The proposed work is consistent with the applicable Wake County Principles & Standards.

6. The proposed work is not incongruous with the special character of the J. Beale Johnson House, as required by Chapter 160D of the North Carolina General Statutes."

Upon a second by Mr. Turner and with no further discussion, the motion passed unanimously.

Ms. Beach offered the following motion: "Based on the foregoing Findings of Fact and Conclusions, I move that the Wake County Historic Preservation Commission grant Certificate of Appropriateness No. CA-03-26 for the proposed work at the J. Beale Johnson House and, upon the granting of CA-03-26, revoke and supersede previously granted Certificates of Appropriateness CA-01-25 and CA-11-25."

Upon a second by Mr. Turner and with no discussion, the motion passed unanimously.

7. Designation Committee Report
None

7. Staff Report

A. FY26 Annual Report: Mr. Bradham presented the FY 2026 Annual Report and characterized the previous fiscal year as a busy and productive year for the commission. He noted that a significant portion of the year was devoted to development and adoption of the updated Wake County Principles and Standards, including commission review, public engagement, consultant coordination, and the formal adoption process. Mr. Bradham noted that the Annual Report also documents substantial preservation activity occurring outside regular commission meetings, including cell tower reviews, development and variance reviews, Certificates of Appropriateness, landmark and roadside marker work, and other administrative preservation activities handled by staff. He explained that the Annual Report is submitted as part of Wake County's annual Certified Local Government reporting requirements. The annual CLG reporting process now includes approximately 120 questions in addition to submission of supporting documentation. Mr. Bradham reported that the commission has already satisfied its required CLG training requirements and noted that the State Historic Preservation Office has repeatedly recognized Wake County's strong participation in training programs, including the commission's significant attendance at the recent CLG training in Durham and at the previous year's training in New Bern.
B. FY 2026 Preservation Fund Wrap-Up: Mr. Bradham reported that the FY 2026 Preservation Fund began with an allocation of $10,000, while actual expenditures totaled approximately $12,964. Wake County was able to identify additional funding to cover expenditures beyond the original allocation.
Expenditures included: Two roadside markers at approximately $3,730 each;
The landmark plaque for the American Legion property at approximately $504; and
Approximately $1,500 for preparation of the Rand's Mill roadside marker text.

Mr. Bradham explained that the commission had initially anticipated producing the Panther Branch and Rand's Mill roadside markers during FY 2026. Because discussions with the Town of Garner regarding the Rand's Mill marker location and local participation remained unresolved at the end of the fiscal year, the commission instead proceeded with the Panther Branch and Lake Myra roadside markers. Production of the Rand's Mill marker was deferred to FY 2027.
Mr. Bradham reported that the FY 2027 Preservation Fund allocation is $10,500 and that approximately $3,730 has been identified for production of the Rand's Mill marker.

N.B. Ms. Bass reported that discussions with the Town of Garner had advanced significantly and that Town representatives had confirmed their interest in proceeding with the Rand's Mill roadside marker. She stated that a final location had not yet been determined, but the marker is anticipated to be located near the driveway and crepe myrtles at the site. The Town intends to confirm with engineering staff that the location will remain outside the right-of-way associated with future improvements to NC 50. Ms. Bass further reported that Town representatives expressed interest not only in the Rand's Mill marker but potentially in additional historic marker projects in the future. She stated that she and Town representatives will continue working through the details and obtain a written commitment regarding the Town's financial participation.

N.B. Mr. Bradham clarified that approximately $1,500 had already been spent on preparation of the Rand's Mill marker text and that the current fabrication cost is approximately $3,730, for a total project cost of approximately $5,230. He discussed the anticipated cost-sharing arrangement with the Town of Garner and noted that, depending upon the final contribution, the commission's remaining FY 2027 Preservation Fund balance should be just under $9,000.

N.B. Mr. Bradham stated that the remaining funds could support additional roadside markers or landmark designation projects during the fiscal year. Landmark designation reports remain approximately $3,500 each.

N.B. Ms. Bass reported that the Town of Garner Public Works Department has also agreed to install the completed Rand's Mill marker.

N.B. Mr. Bradham noted that the historical text for the marker has already been completed and paid for during the previous fiscal year.

C. Minor Works Staff Approvals: Mr. Bradham presented two minor work COAs that were approved by staff:
CA-04-26 – Harward House, Apex: Staff approved removal of aluminum garage doors on new secondary building and installation of windows for use as a pool house
CA-05-26 – John and Nancy Strain House, Fuquay-Varina: Staff approved changes in materials for the new secondary garage building previously approved
CA-06-26 – Pugh House, Morrisville: Staff approved removal of two shrubs and replacement with heavier buffering along the road frontage to the side of the house
CA-07-26 – Roxana and Herman Greene House, Raleigh vicinity: Staff approved painting using historic colors and repair of rotten boards

N.B. Mr. Bradham reported that at least one Major Work COA will come before the commission at its next meeting. Because revised submission deadlines are now in effect, staff can determine the upcoming hearing schedule with greater certainty before the current month's meeting occurs. He further reported that three or four additional Major Work applications are anticipated during the following two to three months and advised commissioners that one of those applications may involve

significant discussion.

D. Mr. Bradham noted that the Designation Committee report had inadvertently been omitted from the regular meeting agenda. Because he had attended the committee meeting immediately prior to the regular meeting and much of its discussion overlapped with the Preservation Fund report, he incorporated the relevant information into the Staff Report.

N.B. Mr. Turner stated that the Designation Committee is also considering a couple of potential properties for future landmark designation, but additional research and work will be required before bringing recommendations forward.

8. Old Business: None.

9. New Business: Commission members discussed scheduling and possible locations for the annual WCHPC retreat in November.

QUERY: Ms. Beach asked whether a date had been selected for the retreat and noted the importance of placing it on commissioners' calendars.
Mr. Bradham stated that a final date and itinerary had not yet been developed and invited commissioners to suggest possible locations and activities. The third Tuesday in November, November 17, was initially discussed because the retreat has traditionally been held on the third Tuesday.
Possible locations and activities discussed included:

- Holding the meeting at the Wake County Commons Building;
- Visiting Historic Oak View County Park, including the tenant house previously relocated to the property;
- Visiting historic properties in Raleigh;
- Touring the North Carolina Executive Mansion and/or its gardens;
- Visiting restored properties along Blount Street;
- Visiting the Heck-Andrews House, now associated with the Raleigh Regional Association of REALTORS;
- Visiting the restored Duncan-Cameron House and carriage house; and
- Incorporating lunch and walking tours into the day's activities.

N.B. Mr. Morris suggested that, if the retreat were held in Raleigh, the commission could potentially schedule a tour of the Executive Mansion and gardens. He noted that tours are generally available on Wednesdays and Thursdays, which could require holding the retreat on a day other than the commission's traditional Tuesday schedule.
N.B. Mr. Bradham stated that a Raleigh itinerary could also include access to several significant restored properties on Blount Street that have previously received preservation recognition. Mr. Morris expressed particular interest in visiting the restored properties and suggested that commissioners could carpool and use nearby parking to simplify transportation.
No final date or itinerary was established. Staff will continue exploring options and coordinate with commissioners regarding availability.

10. Other Business: Ms. Nolan reported that Lake Myra is undergoing the first phase of development as a Wake County park. She suggested that a representative of Wake County Parks could attend a future meeting or otherwise provide the commission with information about the project, particularly given the commission's roadside marker work associated with Lake Myra.

11. Chair's Report: Mr. Hastings reported that the Apex Town Council was scheduled to discuss the historic fire station property. Brief discussion followed regarding the property's historic status and its relationship to the National Register District.

12. Adjourned: Hearing no objection, the meeting was adjourned at 4:29pm.

Jeremy Bradham
Secretary

*Copies of any of the designation reports and other information regarding agenda items available by calling (919) 833-6404 or e-mailing info@cappresinc.org

APPLICATION FOR A CERTIFICATE OF APPROPRIATENESS

Preparing Your Application:

Please read the application carefully to determine what may be necessary to describe your project. ***In addition to the written description, supporting information may include plot plans, photographs, drawings, or sample materials***. Make sure your written description and supporting materials accurately illustrate your proposal. If Capital Area Preservation (CAP) staff or WCHPC members cannot fully understand your proposed changes due to insufficient information, they cannot determine that the changes meet the guidelines. Submitting an incomplete application on the deadline will result in an additional months delay before the commission can issue a certificate of appropriateness. CAP staff is available to advise in the preparation of applications. **Please type or use BLACK INK only. Use paper no larger than 11" x 17" for any required supporting information.**

Filing Your Application:

Mail the completed application to: Capital Area Preservation, PO Box 28072, Raleigh, NC, 27611 or by email: info@cappresinc.org. Submitted materials become the property of the Wake County Government and will not be returned. ***Incomplete applications will be returned to the applicant for revision***. CAP staff will contact applicants after receiving an application to discuss the next steps of the review process.

Minor work applications can be reviewed and approved by Capital Area Preservation (CAP) staff and can be filed anytime. Major work applications that require review by the Wake County Historic Preservation Commission (WCHPC) must be submitted no later than 5:00 p.m. on the application deadline (see attached schedule) in order to be heard at the next meeting. See *Certificate of Appropriateness Q & A* for more information on the review process.

Notification:

CAP staff can usually review minor works applications within a few days of submittal. If you are filing a major work application, a meeting agenda will be sent to you about one week before the meeting.

You will be notified of the decision on the application by mail. If your application is approved, you will receive a certificate of appropriateness placard in the mail. The certificate must be posted at the job site as indicated on the bottom of the placard. You may then obtain necessary permits and begin your project.

Thank you very much for your interest in protecting Wake County's historic resources!

Landmark Name: Hartsfield - Perry Farm **Wake County PIN #:** 1788081005

Street Address of Property: 8401 Mitchell Mill Road Zebulon NC 27597

Brief description of Project: Solar Installation of 9.00 KW Residential Roof-Mounted PV panels at horse stable with 1 EG4 Battery Backup at 8401 Mitchell Mill Road Zebulon NC 27597 (Residential Roof Top Solar Installation)

Owner's Name: Sasha B White

Mailing Address: 8401 Mitchell Mill Road Zebulon NC 27597

Phone: 910-431-0928 **Email:** mrswhite@mac.com

Name of Applicant (if other than owner): Shahzaib Khan

Mailing Address: 5112 Departure Dr Raleigh NC 27616

Phone: 919-948-6475 **Email:** s.khan@8msolar.com

Please read and sign below:
I understand that a Certificate of Appropriateness is required **before** work can begin as per North Carolina General Statute 160A-400.9. A Certificate of Appropriateness is required before any other necessary permits can be issued. I understand that work done without a Certificate of Appropriateness is a violation of the Wake County Historic Preservation ordinance and could result in punitive actions.

I understand that major works applications must be returned by 5:00 p.m. on the application deadline date to Capital Area Preservation. Incomplete applications will not be accepted.

Signature of Owner (required): Sasha White **Date:** 07 / 24 / 2026

Signature of Applicant: Shahzaib Khan **Date:** 07 / 24 / 2026

FOR OFFICE USE ONLY

Application Number: CA-09-26	Major Work	Minor Work
Date Received: 7/30/26	Received By: Jeremy Bradham	
Upon being signed and dated below by CAP staff this application becomes the Minor Work Certificate of Appropriateness. It is valid until _____. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by municipal or county code or law. Minor work projects not approved by CAP staff will be forwarded to the Wake County Historic Preservation Commission for review at it next meeting.		
Minor Work Authorized Signature:		Date:

GUIDELINES: Please refer to the *Wake County Design Guidelines* and cite the applicable sections. The *Guidelines* were established by Wake County's historic preservation ordinance as the parameters for certificate of appropriateness review. Copies of the *Guidelines* are available from CAP for Historic Landmark property owners at no charge or at http://www.cappresinc.org/

Brief Description of Work	Section and Guidelines	Page
Residential Roof Top Solar Installation		

SUPPORTING INFORMATION:

Attach no larger than 11" x 17" sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete. (Use "N/A" if the item is not applicable.)

- ❑ **Written description.** Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, etc.).

- ❑ **Plot Plan.** A scaled plot plan showing the relationship of buildings, additions, sidewalks, drives, trees, property lines, etc., must be provided if your project includes any addition, demolition, fences/walls, or other landscape work. Show accurate measurements. You may use a copy of the survey you received when you bought the property. Revise the copy as needed to show existing conditions and your proposed work.

- ❑ **Description of materials.** Provide samples if appropriate.

- ❑ **Photographs of existing conditions**. All photographs are required to be ***digital, in JPEG (.jpg) format, and submitted on a recordable CD or DVD***. Please note the following requirements:
  - *Minimum Standard:* **6.5" x 4.5" at a resolution of 300ppi** (a pixel dimension of **1950 x 1350**)
  - *File Size:* There is no maximum or minimum for the file size of an image; however, smaller file sizes may be necessary when emailing images.
  - *Proof Sheet:* Proof sheets are still required to show what is on a CD or DVD without having to load the disk. Proofs may be printed in either color or black and white as long as the images are crisp and legible. There should be a minimum of four and a maximum of six proofs per 8.5" x 11" sheet, with no image smaller than 3.25" on its longest side. Proofs should be labeled as they appear on the disk.
  - *Naming Images*: Please label image files for the Local Designation Application as follows:

    LM_PropertyName_Description.jpg (ex. LM_ABCHouse_front_façade.jpg)

  For buildings and structures, include all facades and at least one (1) photo of all other contributing and non-contributing resources, as well as at least one (1) photo showing the main building or structure within its setting. For objects, include a view of the object within its setting, as well as a variety of representative views. For sites, include overall views and any significant details.

- ❑ **Drawings of proposed work**. These drawings might include plan drawings and elevation drawings showing the proposed work. 11" x 17" reductions of full-size drawings are the largest acceptable size, however one set of full size drawings may be included if available. Show dimensions on all drawings.

- ❑ **Black ink.** Your application must be prepared in black ink on no larger than 11" x 17" sheets so it can be copied for WCHPC members to review before the meeting. Applications prepared in other color inks and/or pencil copy poorly and will not be accepted.

- ❑ **Notification.** Required for all major work applications to be reviewed by the WCHPC. Please list below or attach a list of all properties within 100' of the landmark property.

Property Owner Name and Address	Wake County PIN #
COUNTY OF WAKE WAKE COUNTY ATTORNEY'S OFFICE PO BOX 550 RALEIGH NC 27602-0550	1788082691
BEULAH CHRISTIAN CHURCH BOARD OF TRUSTEES 8225 MITCHELL MILL RD ZEBULON NC 27597-8400	1778963996
WAKE COUNTY WAKE COUNTY ATTORNEY'S OFFICE PO BOX 550 RALEIGH NC 27602-0550	1778986948
WAKE COUNTY WAKE COUNTY ATTORNEY'S OFFICE PO BOX 550 RALEIGH NC 27602-0550	1788079540
BEULAH CHRISTIAN CHURCH BOARD OF TRUSTEES 8225 MITCHELL MILL RD ZEBULON NC 27597-8400	1778974436
NORTH CAROLINA STATE OF STATE PROPERTY OFFICE 116 W JONES ST RALEIGH NC 27603-1335	1788086294
GOETZE, KENNETH GOETZE, ADRIANE 8304 MITCHELL MILL RD ZEBULON NC 27597-8446	1788061574
8401 MITCHELL MILL LLC SASHA BRAY WHITE 1028 PRAIRIE SMOKE ST WAKE FOREST NC 27587-3853	1788081005
NORTH CAROLINA STATE OF STATE PROPERTY OFFICE 116 W JONES ST RALEIGH NC 27603-1335	1788180952

Wake County Principles and Standards Analysis: 8401 Mitchell Mill Rd

Compliance with Building Exterior. Section 23: Solar Panels

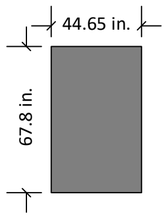
- **Standard 1: Visibility.** *Solar panels must be located to minimize visibility from public rights-of-way. Installation on primary facades, primary roof slopes, or highly visible elevations is not appropriate.*
    - **Compliance:** The 20-panel solar array is mounted on the rear section of the detached accessory horse stable. They will not be installed on the primary historic landmark dwelling, primary facades, or primary roof slopes, ensuring it is entirely screened from public rights-of-way.
- **Standard 2: Character-Defining Features.** *Solar panels must not obscure, alter, or visually compete with character-defining features, including historic roof forms, ridgelines, chimneys, dormers, or decorative roof elements.*
    - **Compliance:** The panels are flush-mounted on the secondary roof plane of a detached accessory building. The installation does not obscure, alter, or compete with any character-defining roof features, ridgelines, chimneys, dormers, or decorative elements of the primary landmark dwelling.
- **Standard 3: Historic Materials.** *Installation of solar panels must not require removal, replacement, or irreversible alteration of historic materials or roof systems. Modifying historic construction to accommodate panels is not appropriate.*
    - **Compliance:** The installation is confined strictly to the metal roof of the detached accessory horse stable. No historic materials, original roof systems, or structural elements of the landmark property will be removed, replaced, or permanently altered.
- **Standard 4: Reversibility.** *Solar panels must be installed using reversible mounting systems that allow for future removal without permanent damage to historic fabric.*
    - **Compliance:** The array utilizes S-5! Protea brackets and Pegasus racking designed for metal roofs. This system provides a 100% reversible installation that can be completely removed in the future without causing permanent damage to the roof structure.
- **Standard 5: Visual Subordination.** *Panel arrays must remain visually subordinate to the historic building. Large or visually dominant installations that overwhelm roof planes or site features are not appropriate.*
    - **Compliance:** The 20-panel array occupies only a portion of the secondary roof slope of the accessory stable. Because it is set back on the rear section of a secondary structure, it remains completely subordinate to the primary historic dwelling.
- **Standard 6: Preferred Locations.** *Preferred locations for solar panels include secondary roof slopes, rear elevations, accessory structures, or discreet ground-mounted locations where visual impact is minimized.*
    - **Compliance:** The proposed location satisfies this standard by utilizing the preferred location explicitly identified in Standard 6: the rear elevation of a secondary roof slope on a detached accessory structure.

- **Standard 7: Ground-Mounted Panels.** *Ground-mounted solar panels must be located in rear or secondary yard areas and must not disrupt historic spatial organization, viewsheds, or archaeological resources.*
    - **Compliance:** N/A — This proposal is for a roof-mounted system on a detached accessory structure. No ground-mounted panels are proposed.
- **Standard 8: Low-Profile and Non-Reflective.** *Solar panels must be low-profile and non-reflective. Highly reflective surfaces, bright frames, or visually contrasting mounting systems are not appropriate.*
    - **Compliance:** The proposed RUNERGY modules are low-profile, all-black, non-reflective panels paired with black Pegasus racking hardware. They are flush-mounted parallel to the 18-degree roof pitch to ensure a discreet, non-contrasting appearance.
- **Standard 9: Conduit, Wiring, and Equipment.** *Associated conduit, wiring, and equipment must be concealed to the greatest extent possible, and exposed components on primary elevations or roof slopes are not appropriate.*
    - **Compliance:** All junction boxes are installed discreetly beneath the panels. Conduit runs are mounted along the rear roof plane and routed directly into underground trenching to the utility meter area, keeping all wiring and equipment completely off primary elevations and primary roof slopes.

75.8 ft
50.5 ft
84.4 ft
101.4 ft

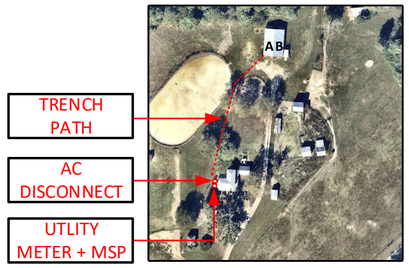
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10
Vent		• Roof A & B have no vents. • No vents will be covered by PV modules during the installation.	

MODULE DIMENSIONS

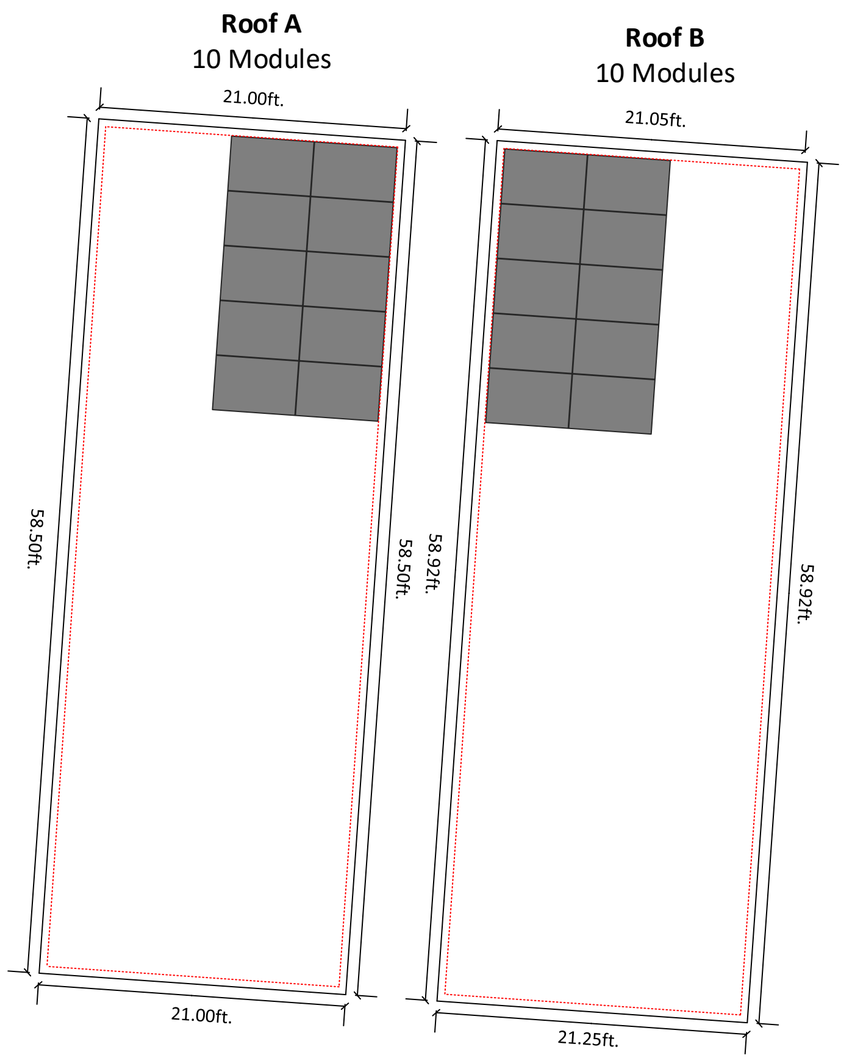


PV System Dead Load
(Panel + Racking weight) / PV System Area
(No. of panels x Weight of panel(lbs.) +Length of racking(ft.) x 1.15 lb.ft) /
(No. of panels x Height x Width) = Total psf

ROOF	A	B	
DEAD LOAD (PSF)	3.0	3.0	



SYSTEM DETAILS
NUMBER OF PANELS : 20
PANELS MODEL : RUNERGY HY-DH108N8B (450W)
DC SIZE : 9.00 KW
AC SIZE : 13.0 KVA



6in setback from sides of the roof

SITE LAYOUT
SCALE: 1/8" - 1'

N

8MSOLAR
ADVANCING ENERGY INDEPENDENCE

5112 Departure Drive,
Raleigh NC 27616
O: 919.948.6474
E: info@8msolar.com

Customer Information:

Sasha B White

8401 Mitchell Mill Road
Zebulon NC 27597

Customer Signature:

Sheet Name:

Site Layout

JOB NUMBER:

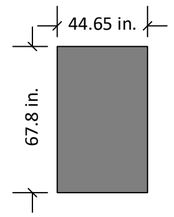
26-127-SW

Date:	Revision:
07/30/2026	A
Sheet Size:	**Sheet Number:**
ANSI C 17" X 22"	PV2

NABCEP CERTIFIED
Muhammad Ali Raza
PV Installation Professional
PV-102625-014235

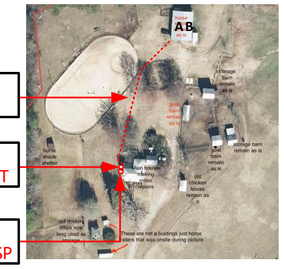
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10

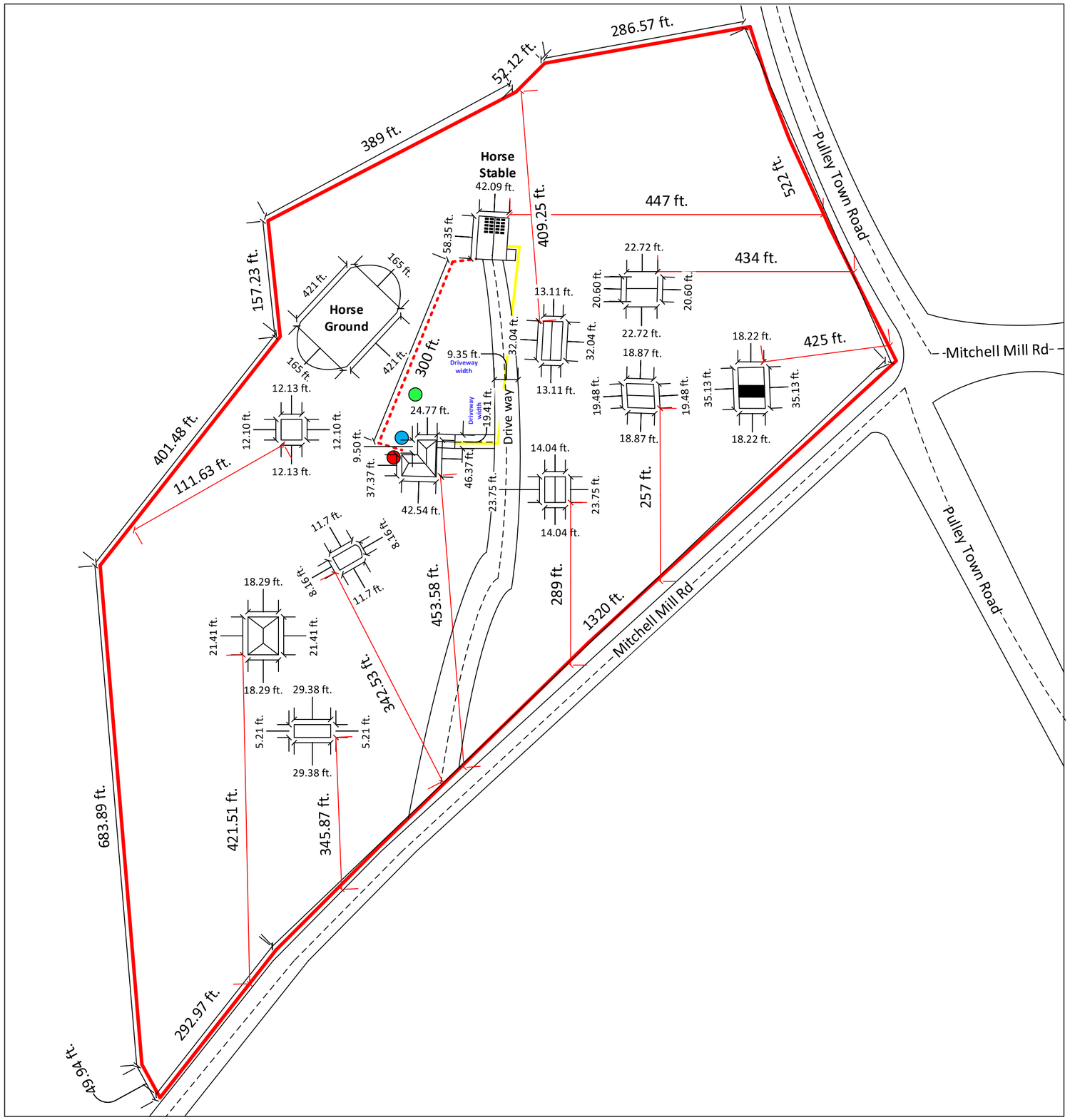
MODULE DIMENSIONS



Trench 300 ft. (Approx.)
L x W X H
300ft. x 4in x 8in

PIN # 1788081005





Solar Panel	
Trench Path	
Septic Tank	
Utility Meter	
Gas Tank	
Water Line	
House Boundry	

PLOT PLAN
SCALE: NTS

N

8MSOLAR
ADVANCING ENERGY INDEPENDENCE

5112 Departure Drive,
Raleigh NC 27616
O: 919.948.6474
E: info@8msolar.com

Customer Information:

Sasha B White

8401 Mitchell Mill Road
Zebulon NC 27597

Customer Signature:

Sheet Name:

Attachment Details

JOB NUMBER:

26-127-SW

Date:	Revision:
07/30/2026	A

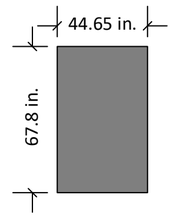
Sheet Size:	Sheet Number:
ANSI C 17" X 22"	PV9

NABCEP CERTIFIED
Muhammad Ali Raza
PV Installation Professional
PV-102625-014235

horse stable remain as is
storage barn remain as is
goat barn remain as is
storage barn remain as is
goat barn remain as is
horse shade shelter
Main house- making minor repairs
old chicken house remain as is
old doctors office now bing used as storage
These are not a buidings just horse trailers that was onsite during picture

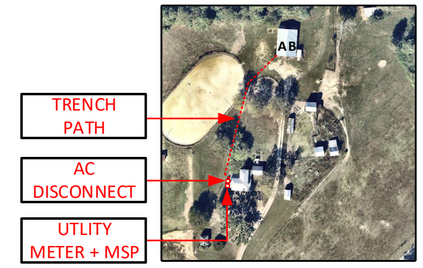
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10

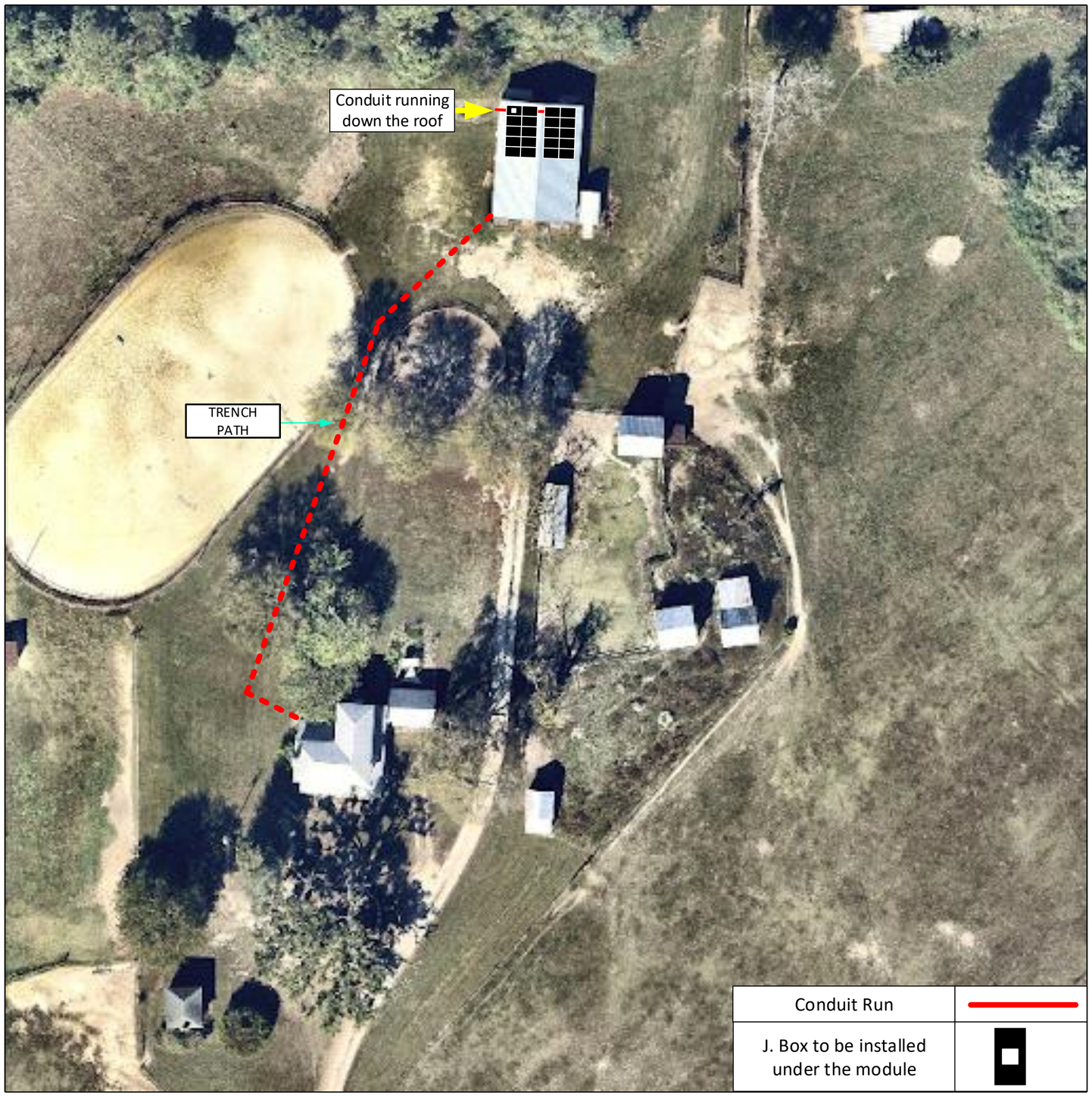
MODULE DIMENSIONS



Note: Conduit run will be surface mounted

Trench 300 ft. (Approx.)





SYSTEM DETAILS
NUMBER OF PANELS : 20
PANELS MODEL : RUNERGY HY-DH108N8B (450W)
DC SIZE : 9.00 KW
AC SIZE : 14.3 KVA

Roof A
10 Modules

Roof B
10 Modules

EQUIPMENT LOCATION AND CONDUIT ROUTING
SCALE: NTS

N

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Raleigh NC 27616
O: 919.948.6474
E: info@8msolar.com

Customer Information:

Sasha B White

8401 Mitchell Mill Road
Zebulon NC 27597

Customer Signature:

Sheet Name:

Site Layout

JOB NUMBER:

26-127-SW

Date:	Revision:
07/30/2026	A

Sheet Size:	Sheet Number:
ANSI C 17" X 22"	ELCR 01

NABCEP CERTIFIED
Muhammad Ali Raza
PV Installation Professional
PV-102625-014235

RUNERGY

HY-DH108N8B

420-450W

23.0%	N-Type	108 Pieces
Max. Efficiency	Bifacial & Dual Glass	Half-Cell

High Conversion Efficiency

Module efficiency up to 22.5% based on N-Type wafer and advanced N-Type cell technology

Excellent Energy Yield

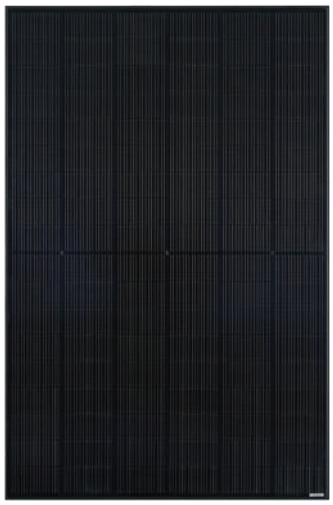
More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality

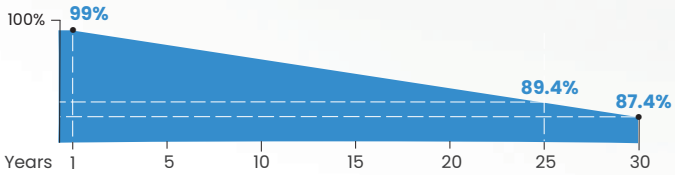
Outstanding Anti-degradation

Unsusceptible to LID, LeTID and less annual degradation due to special charateristics of N-Type

Quality Guarantee

High module quality ensures long-term reliability





Runergy N-Type Dual Glass Product Performance Warranty

- 1st year degradation **<1%**, annual degradation **<0.4%**

25 — 25-year product warranty

30 — 30-year linear power warranty

IEC61215 / IEC61730 / UL61730 / IEC61701 / IEC62716 / IEC60068 / ISO9001 / ISO14001 / ISO45001

www.runergy.com
sales-inform@runergy.com

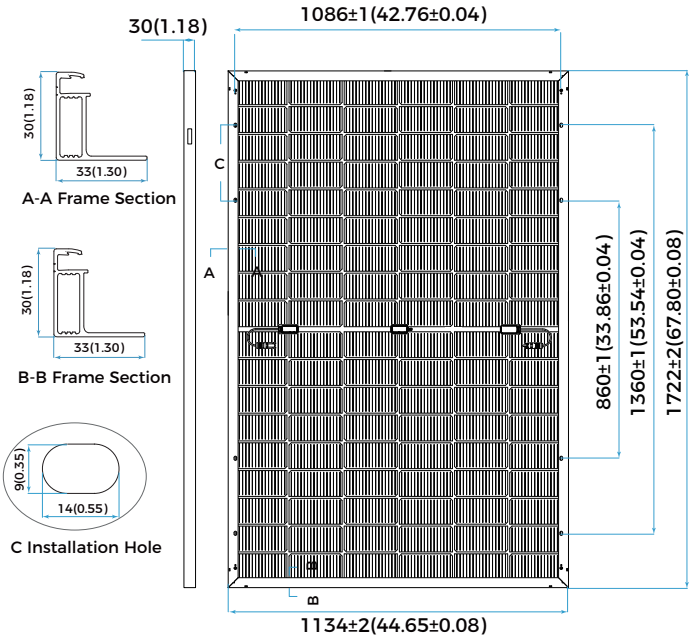
RUNERGY

HY-DH108N8B 420-450

Mechanical Parameters

Solar Cell	Mono N-Type 182mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30mm(67.80 x 44.65 x 1.18in)
Weight	24.2kg(53.35lbs)
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm² (IEC), 12 AWG(UL) ±1200mm(47.24in.) or customized
Connector	EVO2 or similar
Front Cover	2.0mm AR coated heat strengthened glass
Back Cover	2.0mm heat strengthened glass
Frame	Black/Silver anodized aluminum
Container	36 pcs/Pallet, 756pcs/40' HQ

Unit: mm(inch)



Operating Parameters

Max. System Voltage	DC 1500V（IEC/UL）
Operating Temperature	-40˚C ~ +85˚C(-40°F ~ +185°F)
Max. Fuse Rating	30A
Frontside Max. Loading	5400Pa(112lb/ft²)
Backside Max. Loading	3600Pa(75lb/ft²)
Bifaciality	80%±5%
Fire Resistance	IEC Class A/ UL type 29

Electrical Characteristics - STC

Irradiance 1000 W/m², cell temperature 25 ˚C, AM1.5, , Test uncertainty for Pmax: ±3%

Maximum Power at STC (Pmax/W)	450	445	440	435	430	425	420
Power Tolerance (W)				0 ~ +5			
Optimum Operating Voltage (Vmp/V)	33.22	33.39	33.21	33.03	32.85	32.67	32.49
Optimum Operating Current (Imp/A)	13.55	13.33	13.25	13.17	13.09	13.01	12.93
Open Circuit Voltage (Voc/V)	39.79	39.96	39.16	38.97	38.78	38.59	38.40
Short Circuit Current (Isc/A)	14.00	13.96	13.88	13.80	13.72	13.64	13.56
Module Efficiency	23.0%	22.8%	22.5%	22.3%	22.0%	21.8%	21.5%

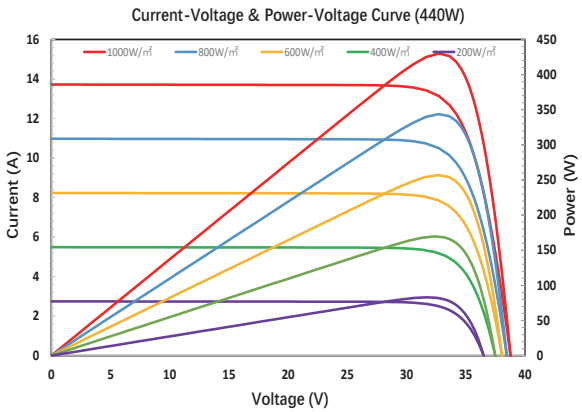
Electrical Characteristics - BNPI

Irradiance: front 1000W/m², rear 135W/m², Cell temperature 20 ˚C, AM-1.5.

Maximum Power at NMOT (Pmax/W)	501	490	484	479	473	468	462
Optimum Operating Voltage (Vmp/V)	33.22	33.39	33.21	33.03	32.85	32.67	32.49
Optimum Operating Current (Imp/A)	14.91	14.67	14.58	14.49	14.41	14.32	14.23
Open Circuit Voltage (Voc/V)	39.89	39.45	39.26	39.07	38.88	38.68	38.49
Short Circuit Current (Isc/A)	15.43	15.39	15.30	15.21	15.12	15.04	14.95

Rearside Power Gain (Reference to 440W Front)

Rearside Power Gain	5%	15%	25%
Maximum Power (Pmax/W)	462	506	550
Optimum Operating Voltage (Vmp/V)	33.21	33.31	33.31
Optimum Operating Current (Imp/A)	13.91	15.19	16.51
Open Circuit Voltage (Voc/V)	39.16	39.26	39.26
Short Circuit Current (Isc/A)	14.57	15.92	17.30
Module Efficiency	23.7%	25.9%	28.1%



Temperature Characteristics

Nominal Module Operating Temperature	42 ± 2 ˚C
Nominal Cell Operating Temperature	45 ± 2 ˚C
Temperature Coefficient of Pmax	-0.29%/˚C
Temperature Coefficient of Voc	-0.25%/˚C
Temperature Coefficient of Isc	0.045%/ ˚C

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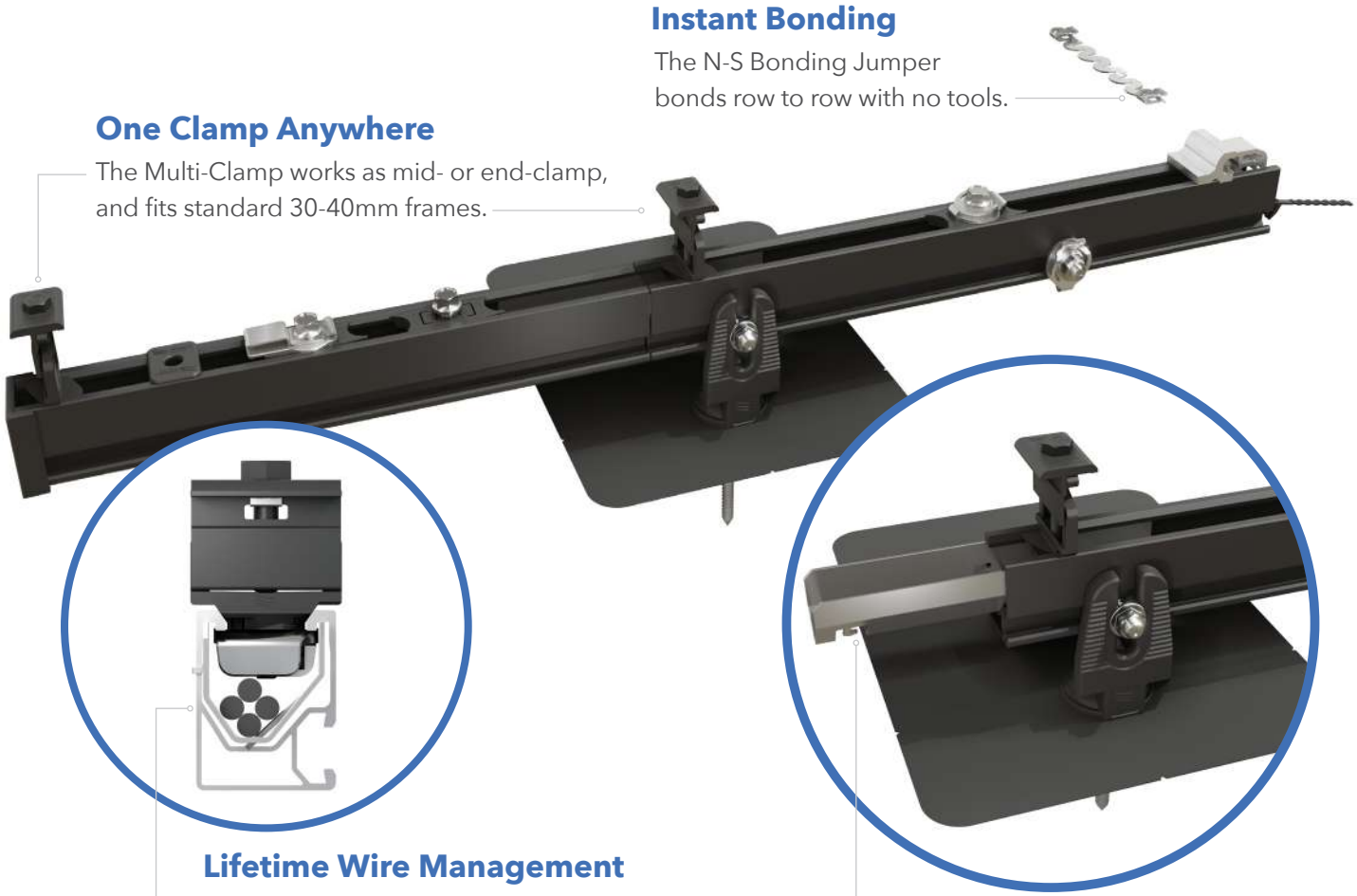
HY-DH108N8B-US-Ver25Q3.1

Specifications included in this datasheet are subject to change without notice.

PEGASUS SOLAR™
A Better Day on the Job

RAIL SYSTEM



Instant Bonding

The N-S Bonding Jumper bonds row to row with no tools.

One Clamp Anywhere

The Multi-Clamp works as mid- or end-clamp, and fits standard 30-40mm frames.

Lifetime Wire Management

Open rail channel holds and protects wires. Clamps won't pinch wires after tightening.

Bonding Structural Splice

Connect rails instantly, without tools, interference or limitations.

Next-Level Solar Mounting

A complete system for hassle-free rooftop installation, from watertight mounts to lifetime wire management.

Simplicity

1/2"socket for everything.
One clamp for mid or end.
No tool splicing and bonding.
Easy wire management.

Code Compliant

UL 2703 listed
LTR-AE-001-2012 listed
Class A fire rating for any slope
ASCE 7-16 PE Certified

Premium Aesthetics

The narrowest panel gap available. Optional Hidden End Clamps and End Caps provide a flush look on the edge of the array.

Watertight for Life

Secured on industry-leading Pegasus Mounts, for composite shingle and tile roofs.
Backed by a 25-year warranty.

Pegasus Solar Inc | 506 West Ohio Avenue, Richmond, CA 94804 | T: 510.210.3797 | **www.pegasussolar.com**

RAIL SYSTEM

Pegasus Rail

Available in 14′ and 7′ lengths for easy layout and shipping.

Open-channel design holds MC4 connectors, PV wire and trunk cables.

Black and Mill finish

Pegasus Max Rail

Maximum-strength design.

Meets specifications for high snow-load and hurricane zones.

Black and Mill finish

Splice and Max Splice

Installs by hand.

Works over mounts.

Structurally connects and bonds rails automatically; UL2703 listed as reusable.

Dovetail T-bolt

Dovetail shape for extra strength.

Uses ½″ socket.

Multi-Clamp

Fits 30-40mm PV frames, as mid- or end-clamp.

Twist-locks into position; doesn't pinch wires in rail.

Bonds modules to rail; UL2703 listed as reusable

Hidden End Clamp

Offers premium edge appearance.

Preinstalled pull-tab grips rail edge, allowing easy, one-hand installation.

Tucks away for reuse.

Ground Lug

Holds 6 or 8 AWG wire.

Mounts on top or side of rail.

Assembled on MLPE Mount.

UL2703 listed as reusable.

N-S Bonding Jumper

Installs by hand, eliminates row-to-row copper wire.

UL2703 listed as reusable only with Pegasus Rail.

MLPE Mount

Secures and bonds most micro-inverters and optimizers to rail.

Connectors and wires easily route underneath after installation.

UL2703 listed as reusable.

Cable Grip

Secures four PV wires or two trunk cables.

Stainless-steel backing provides durable grip.

Eliminates sagging wires.

Wire Clip

Hand operable.

Holds wires in channel.

Won't slip.

End Cap and Max End Cap

Fits flush to PV module and hides raw or angled cuts.

Hidden drain quickly clears water from rail.

Certifications:

- UL 2703, Edition 1
- LTR-AE-001-2012
- ASCE 7-16 PE certified
- Class A fire rating for any slope roof

C US

LOAD		SPAN			
SNOW (PSF)	WIND (MPH)	32″	4′	6′	8′
0	120				
	160				
	190				
15	140				
	160				
	190				
30	160				
	190				
45	190				
70	190				
110	190				

PEGASUS RAIL PEGASUS MAX RAIL

For reference only. Spans above are calculated using ASCE 7-16 for a Gable Roof, Exposure Category B, 7-20deg roof angle, 30ft mean roof height with non-exposed modules. For PE certified span tables, visit www.pegasussolar.com/spans.

FREE
PEGASUS SOLAR
Design Tool

Quickly calculate the most efficient layout, spans and materials needed to suit your job. Visit the Pegasus Customer Portal. **pegasussolar.com/portal**

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S-5!®

The Right Way

Protea™ Bracket

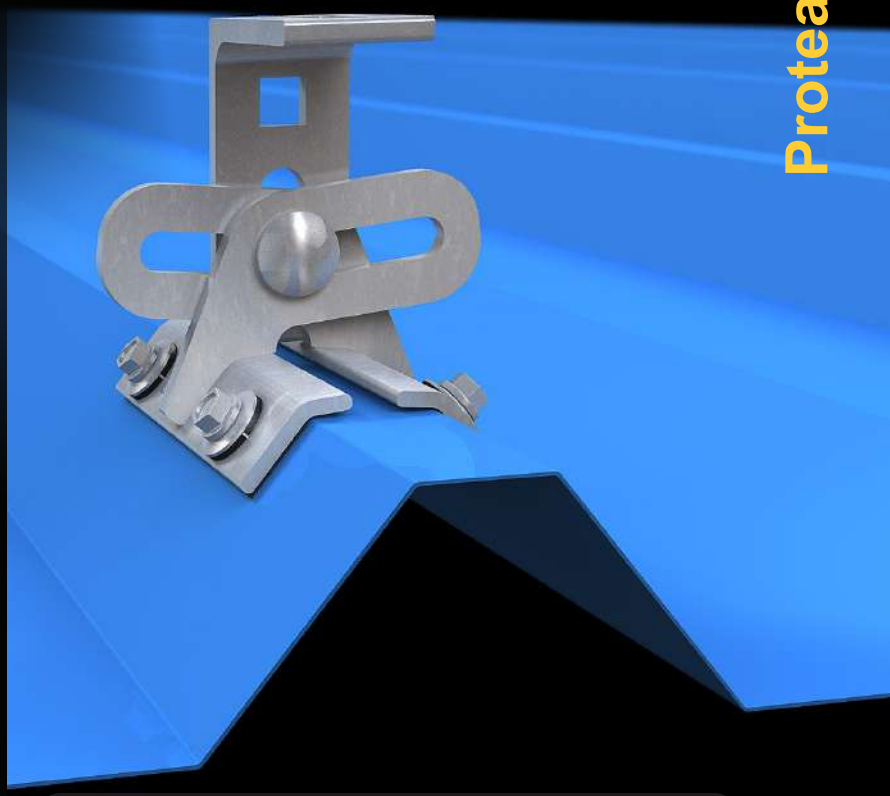
A versatile bracket for mounting solar PV to trapezoidal roof profiles.

With an adjustable attachment base and various module attachment options to accommodate different roof profile dimensions and applications, the Protea Bracket is the most adaptable trapezoidal metal roof attachment solution on the market.

With no messy sealants, faster installation and a weather-proof fit, Protea Bracket offers you the most versatile solar attachment solution available.

Protea Bracket* can be used for rail mounting or rail-less with S-5! PVKIT®.

*When Protea Bracket is used in conjunction with the S-5! PVKIT, an additional nut is required during installation.



Features and Benefits

- 34% lighter - saves on shipping
- Stronger L-Foot™
- Load-tested for engineered application
- Corrosion-resistant materials
- Adjustable - fits rib profiles up to 3"
- Fully preassembled

The Right Way!® to attach solar PV to trapezoidal roof profiles!

Protea™ Bracket

888-825-3432 | www.S-5.com |

S-5!® The Right Way

Protea™ Bracket is the perfect solar attachment solution for most trapezoidal rib, exposed-fastened metal roof profiles!

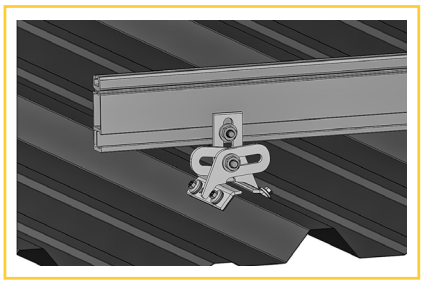
Protea™ Bracket is compatible with common metal roofing materials and comes with a preapplied EPDM gasket on the base.

Note: All four prepunched holes must be used to achieve tested strength. Fasteners are provided.

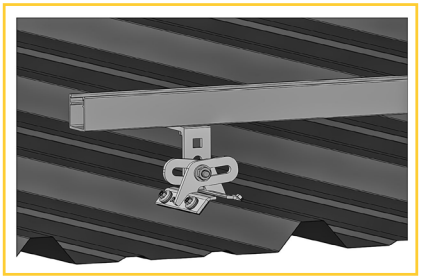
For design assistance, ask your distributor, or visit **www.S-5.com** for the independent lab test data that can be used for load-critical designs and applications. Also, please visit our website for more information including metallurgical compatibilities and specifications. metallurgical compatibilities and specifications.

S-5!® holding strength is unmatched in the industry.

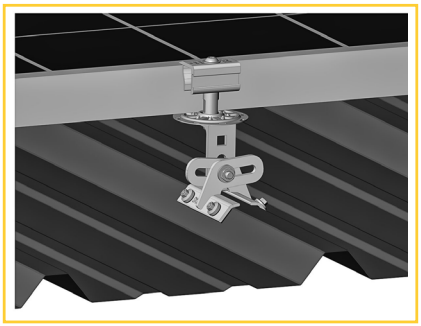
Multiple Attachment Options:



Side Mount Rail

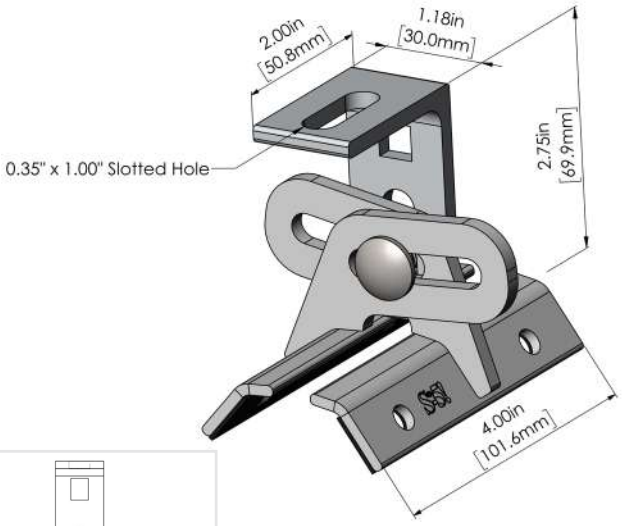


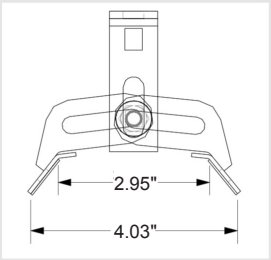
Bottom Mount Rail



w/ S-5! PVKIT®
(rail-less)

Protea™ Bracket





Protea Bracket fits profiles up to 3 inches

INSTALLATION:

No surface preparation needed. (1) Wipe away excess oil and debris. **(2)** Align and mount bracket directly onto crown of panel. **(3)** Secure Protea Bracket through prepunched holes, using piercing-point S-5! screws.

Shown: S-5! PVKIT® mounted on the Protea Bracket for rail-less solar mounting on metal roofing.

S-5!® Warning! Please use this product responsibly!

Products are protected by multiple U.S. and foreign patents. For published data regarding holding strength, bolt torque, patents, and trademarks, visit the S-5! website at www.S-5.com.

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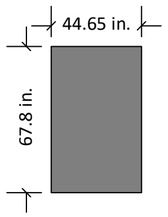
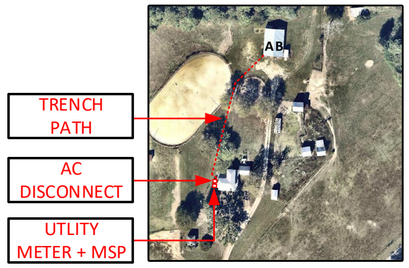
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10
Vent		• Roof A & B have no vents. • No vents will be covered by PV modules during the installation.	

MODULE DIMENSIONS

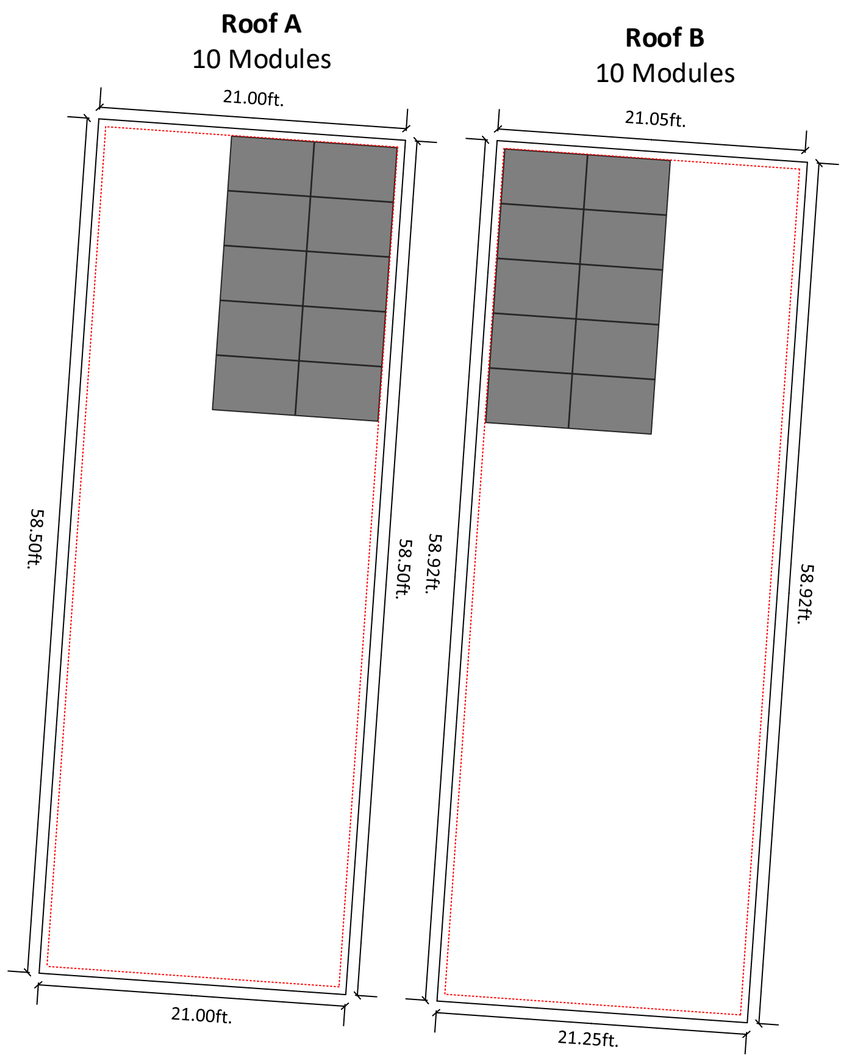


PV System Dead Load
(Panel + Racking weight) / PV System Area
(No. of panels x Weight of panel(lbs.) +Length of racking(ft.) x 1.15 lb.ft) /
(No. of panels x Height x Width) = Total psf

ROOF	A	B	
DEAD LOAD (PSF)	3.0	3.0	



SYSTEM DETAILS
NUMBER OF PANELS : 20
PANELS MODEL : RUNERGY HY-DH108N8B (450W)
DC SIZE : 9.00 KW
AC SIZE : 13.0 KVA



6in setback from sides of the roof

SITE LAYOUT
SCALE: 1/8" - 1'

N

8MSOLAR
ADVANCING ENERGY INDEPENDENCE

5112 Departure Drive,
Raleigh NC 27616
O: 919.948.6474
E: info@8msolar.com

Customer Information:

Sasha B White

8401 Mitchell Mill Road
Zebulon NC 27597

Customer Signature:

Sheet Name:

Site Layout

JOB NUMBER:

26-127-SW

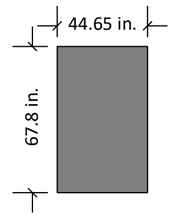
Date:	Revision:
07/30/2026	A
Sheet Size:	**Sheet Number:**
ANSI C 17" X 22"	PV2

NABCEP CERTIFIED
Muhammad Ali Raza
PV Installation Professional
PV-102625-014235

75.8 ft
50.5 ft
84.4 ft
101.4 ft

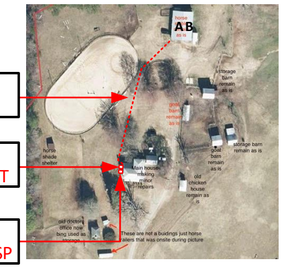
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10

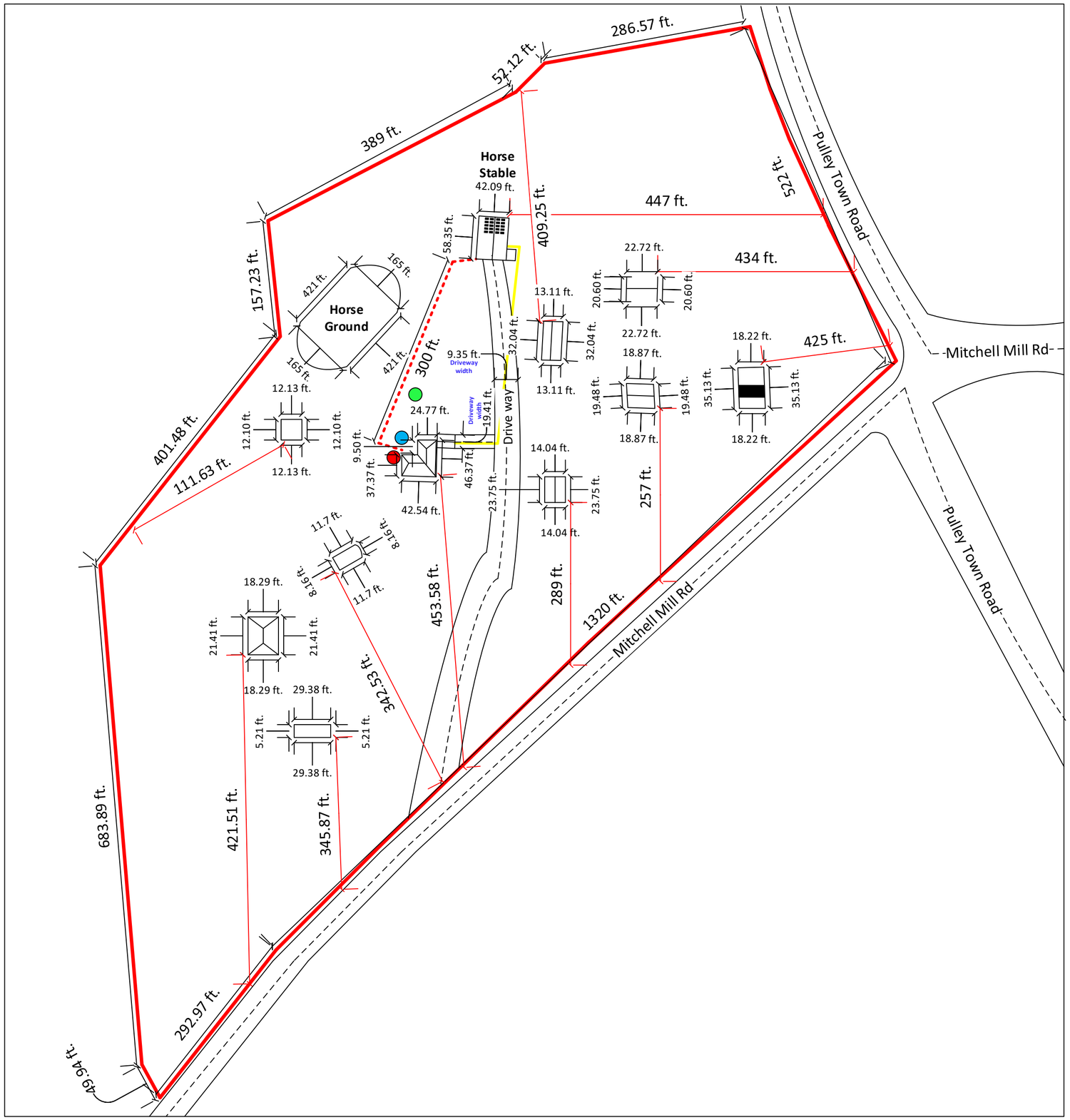
MODULE DIMENSIONS



Trench 300 ft. (Approx.)
L x W X H
300ft. x 4in x 8in

PIN # 1788081005





Solar Panel	
Trench Path	
Septic Tank	
Utility Meter	
Gas Tank	
Water Line	
House Boundry	

PLOT PLAN
SCALE: NTS

N

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Raleigh NC 27616
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Customer Information:

Sasha B White

8401 Mitchell Mill Road
Zebulon NC 27597

Customer Signature:

Sheet Name:

Attachment Details

JOB NUMBER:

26-127-SW

Date:	Revision:
07/30/2026	A

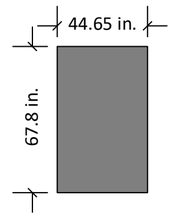
Sheet Size:	Sheet Number:
ANSI C 17" X 22"	PV9

NABCEP CERTIFIED
Muhammad Ali Raza
PV Installation Professional
PV-102625-014235

horse stable remain as is
storage barn remain as is
goat barn remain as is
storage barn remain as is
goat barn remain as is
horse shade shelter
Main house- making minor repairs
old chicken house remain as is
old doctors office now bing used as storage
These are not a buidings just horse trailers that was onsite during picture

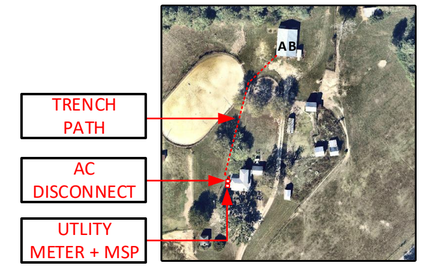
ROOF DESCRIPTION			
ROOF	PITCH	AZIMUTH	NO. OF MODULES
A	18°	274°	10
B	18°	94°	10

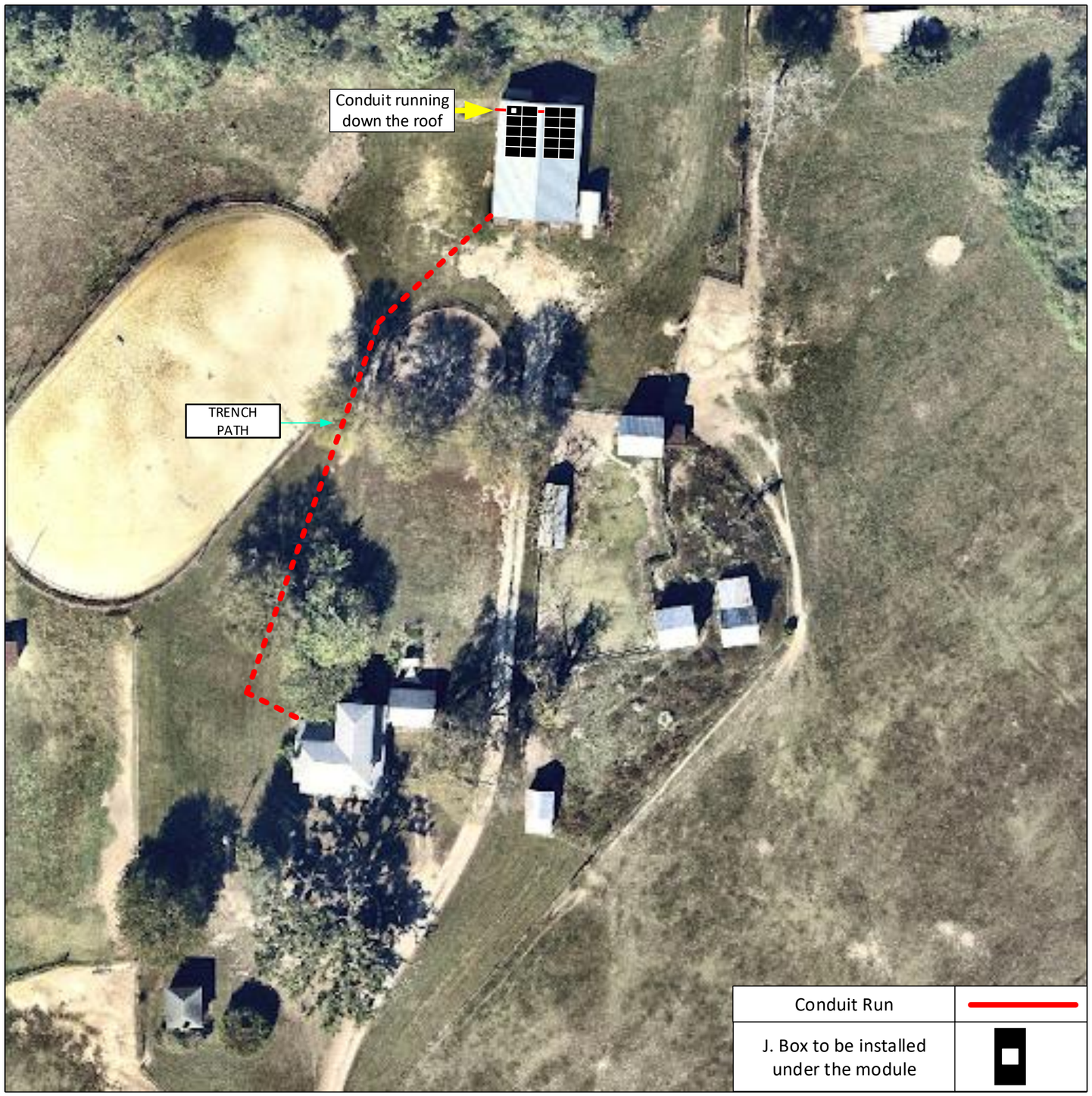
MODULE DIMENSIONS



Note: Conduit run will be surface mounted

Trench 300 ft. (Approx.)





SYSTEM DETAILS
NUMBER OF PANELS : 20
PANELS MODEL : RUNERGY HY-DH108N8B (450W)
DC SIZE : 9.00 KW
AC SIZE : 14.3 KVA

Roof A
10 Modules

Roof B
10 Modules

EQUIPMENT LOCATION AND CONDUIT ROUTING
SCALE: NTS

N

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Site Layout

JOB NUMBER:

26-127-SW

Date:	Revision:
07/30/2026	A

Sheet Size:	Sheet Number:
ANSI C 17" X 22"	ELCR 01

NABCEP CERTIFIED
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