

Architectural Review Board/ Plan Commission Meeting Monday, November 7, 2022 5:30 p.m.

LOCATION OF MEETING: 96 RUSSELL DRIVE

NOTICE: Pursuant to the requirements of Section 19.84, Wis Stats., notice is hereby given of a meeting of the Village of Random Lake, at which a quorum of the Village Board may attend in order to gather information about a subject which they have decision making responsibility. The meeting will be held at the above noted date, time. (Chairperson to announce the following if a quorum of the Village Board is in attendance at the meeting: Please let the minutes reflect that a quorum of the Village Board are present and that the Village Board members may be making comments if the rules are suspended to allow them to do so.)

AMENDED AGENDA

- 1. Call to Order, Roll Call.
- 2. Discussion and Possible Action to approve the minutes of the September 19, 2022 meeting.
- 3. Discussion and Possible Recommendation to the Village Board regarding a solar panel installation at 89 E Shore Dr.
- 4. Discussion and Possible Recommendation to the Village Board regarding a solar panel installation at 918 Jessie Ln.
- 5. Discussion and Possible Recommendation to the Village Board regarding an addition at W4873 Co Rd RR.
- 6. Adjourn.

Items on the Agenda may be taken out of order as listed. Posted to all village posting locations on 11/04/2022.

WI Open Meeting Law (Wis. Stat. 19.83(2) and 19.84(2)) In general, the open meetings law grants citizens the right to attend and observe open session meetings of governmental bodies but does not require a governmental body to allow members of the public to speak or actively participate in the body's meeting. A governmental body is free to determine for itself whether and to what extent it will allow citizen participation at its meetings.



Location of Meeting: 96 Russell Drive

Architectural Review Board/ Plan Commission Meeting Monday, September 19, 2022 6:00 pm

Meeting Minutes

- Call to Order, Roll Call: Chairman Mike San Felippo called the meeting to order at 6:00 pm. Commission members present included Mike San Felippo, Elizabeth Manian, Barbara Ruege, Randy Soerens, John Schluechtermann and Peter Lederer. Village employees present were Clerk/ Treasurer Stephanie Waala. For additional attendees see attached sign-in sheet.
- 2. Discussion and Possible Action to approve the minutes of the August 15, 2022 meeting.

Member Ruege made a motion to approve as submitted, motion seconded by Member Schluechtermann. Motion carried 6-0.

3. Discussion and Possible Recommendation to the Village Board regarding a fence at 549 Western Ave.

Property owner not present due to work schedule.

Member San Felippo made a motion to approve as submitted upon verification it is a 16' long, 6' high privacy fence, motion was seconded by member Ruege. Motion carried 6-0.

4. Discussion and Possible Recommendation to the Village Board regarding an addition at 148 E Shore Dr.

Property owner Daniel Bolz presented an update survey verifying setbacks.

Member Schluechtermann made a motion to approve as submitted, motion was seconded by Member Manian. Motion carried 6-0.

5. Adjourn: meeting was adjourned at 6:09 pm.

Items on the Agenda may be taken out of order as listed. Created by Clerk Waala on 09/30/2022.

WI Open Meeting Law (Wis. Stat. 19.83(2) and 19.84(2)) In general, the open meetings law grants citizens the right to attend and observe open session meetings of governmental bodies but does not require a governmental body to allow members of the public to speak or actively participate in the body's meeting. A governmental body is free to determine for itself whether and to what extent it will allow citizen participation at its meetings.



P.O. Box 344 • 96 Russell Drive • Random Lake, WI 53075 Phone: (920) 994-4852 • Fax: (920) 994-2390 DCI312022

Building Permit Application

| Job Location (identify exact address) 918 Jessie Ln, Random La | | | ake Date 10/14/2 | | | 2 Permit# | |
|--|------------------------|--|---|---------------------------|--------------------------|---------------|--------|
| Owner's Name Phone Number Brett and Crystal Kichura 262-689-6514 | | | Contact's Name (When Relevan Arch Solar - Lindsey Hanser | | | | |
| Owners Address (if different from above) | | | City | | State | Zip Code | |
| Contractor's Name Arc | h Solar | License Number S1097745 | Contractor's Contact Name Lindsey | | 1 | Phone Nu | mber |
| Contractor's Address 1237 Pilgrim Rd, P | lymouth WI 53073 | | City | | State | Zip Code | , |
| | | ity of the permit hole or the required inspe visible, a re-inspect | der to arrange for appointment octions If the inspector cannot a ion fee will be charged. | times wh access the | en entry is work site | or if the | |
| Use of Building | Type of Work | | Item Size Qty. | | | Fee | Amount |
| 🕱 Residential | 🗆 New | Residence (One | Residence (One & Two Family) | | | 30/sq. ft. | |
| 🗌 Multi-Family | C Addition | Residential Add | itions | Ì | 1 | .30/sq. ft. | |
| | Alteration/Repa | ir Attached/Detached | d Garage | | | .25/sq. ft. | |
| | | Plan Review: Ho | ouse & Garage | İ | | 12/sq. ft | |
| | | State Permit Sea | l (\$33.00 (State fee) + \$10.00) | | 1 | \$43.00 | |
| | | Occupancy Perm | nit (House & Garage) | | 1 | .05/sq. ft. | |
| | | Remodeling (Inc | ludes Plan Review) | | 1 | .20/sq. ft. | |
| | | 2020 Source U | 2020 Server Healt up Ser | | 1 | \$1744.00 | |
| | | Erosion Control | 2020 Sewer Hook-up Fee | | | \$150.00 | |
| Decks & Porches Storage Sheds | | 3 | | | | | |
| | | | | | .20/sq. ft. \$30.00 | | |
| | | Re-Roof | | | <u> </u> | 50.00 | |
| | | Re-Siding | | | - | <u>├</u> | |
| | | | (above ground/in ground/spas) | | | 50.00 | |
| | | Fence | (above ground/in ground/spas) | | | 30.00 | |
| | | rence | | | <u> </u> | 30.00 | |
| Required for exterior design, appearance and Architect | | Architectural Rev | Architectural Review Board | | | 45.00 | |
| equired for fences, accesso | ry buildings, decks & | Plan Commission | 1 Review | | † | 45.00 | |
| orches, pools, etc. lequired for new constructi ools, accessory buildings, e | on, additions, fences, | Zoning Permit | | | | 45.00 | |
| ools, accessory buildings, e | fc. | Expedited Meeting Fee (Nonrefundable) | | | | ╂───┼ | |
| | | Re-inspection Fe | <u> </u> | | | 100.00 | |
| OTE: | | Re-inspection Fe | c | | 1 | 75.00 | |
| eparate permits are needed fo lumbing | or Electrical, HVAC, & | - | | | | | |
| any work is commenced bef otained, all of the above fees | | | | | | - | |
| Il calculations for square foo mensions. | | | | | | | |
| vith all Village of Random | Lake and State of Wi | sconsin codes applicabl | proposed work to be performed on it e to the occupancy and work stated a age of Random Lake ordinances. | I agree to above. I un | comply derstand | SUB TOTAL: | |
| | | | BASE FEE (add to | o subto | otal): | | \$40.0 |
| DFFICE USE ONLY Permit Paid By: | | Date | Initials: | | Permit Total: | | |
| Applicant Signature | | Print Name L | indsey Hansen | | | 0/14/22 | |
| Lindsi | ry Hansen | | | 1 | | 0/14/22 | |

0

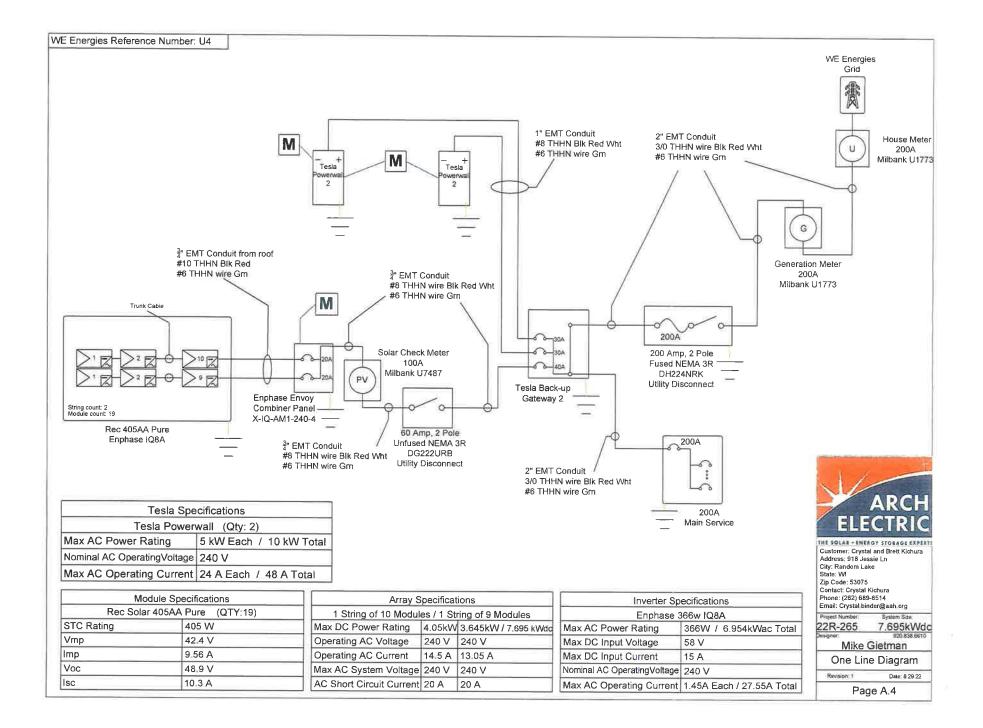


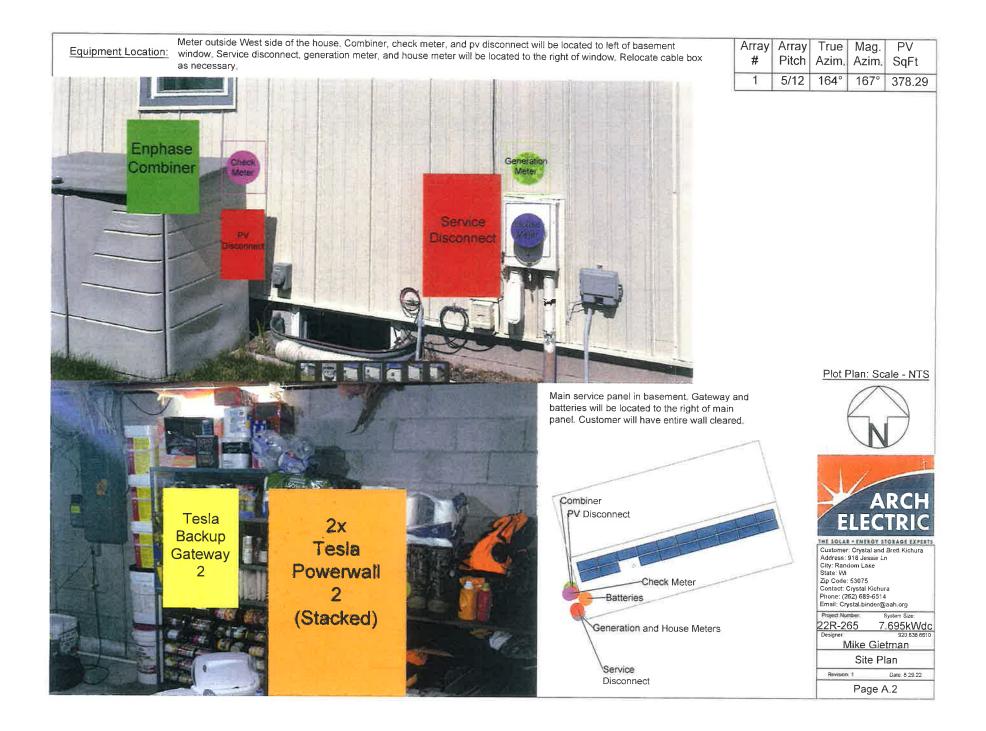
P.O. Box 344 • 96 Russell Drive • Random Lake, WI 53075 Phone: (920) 994-4852 • Fax: (920) 994-2390



Electrical Permit Application

| Job Location (identify es | Decention (identify exact address) 918 Jessie Ln, Random Lake 9/19/22 | | | | 22 | Permit# | | |
|--|---|-----------------------------------|--|--------------------------|-----------------------------|----------|--------------------|-----------------|
| ^{Owners Name} Brett Kichura | | Phone Number 262-689-6514 | Contact's Name (When Relevant) Lindsey Hansen | | | q | hone Nun 920-83 | nber 38-5137 |
| Owners Address (if diffe | rent from above) | | City State WI | | | | Zip Code 53075 | |
| Contractor's Name Ar | ch Solar | License Number M270617 | Contractor's Contact Name Lindsey Hansen | | 1 | | | 1ber 38-5137 |
| 0 | | M2/061/ | City Diama auth | | State_ | | 920-8 Zip Code | 38-5137 |
| 12 | 37 Pilgrim Rd | 1.1.1.1. · · · · · | ^{City} Plymouth | e | WI WI | | Zip Code 53 | 3073 |
| | inspector canno | ot access the work site or if the | appointment times when entry is available e work is not visible, a re-inspection fee w | ill be charg | ared inspections | s if the | | |
| Use of Building | Type of Work | | Item | Size | Qty. | Fe | e | Amount |
| A Residential | 🗆 New | Built-ins | | | | | \$ 7.00 | |
| □ Multi-Family | □ Addition | Clothes Dryer | | | | 1 | \$ 7.00 | |
| | X Alteration/Repair | r Dishwasher | | | | T | \$ 7.00 | |
| Other Project Cost | | Electric Heating | | 1 | | \$ | 1.25/kw | |
| | | Fans, exhaust an | d vent | Î | 1 | 1 T | \$ 7.00 | |
| | | Feeder or sub-fe | eder (sub-panel) | 1 | 1 | | \$ 10.00 | |
| | | Fixtures: Mediur | | 1 | - | 1 | \$.65ea. | |
| | | | | <u> </u> | | 1 | | |
| | | Fuel Dispensing | - | ļ | _ | 20.00/ | | |
| Additional Information | | Garbage Disposal | | ļ | | <u> </u> | \$ 7.00 | |
| 19 REC405AA P | | S Generator Transf devices | former, Rectifiers or similar | | | \$ | 1.50/kw | |
| 19 Enphase IQ8 | ZANG PROPERTY BANKS | Heating unit and | motor | | 1 | 1 | \$ 7.00 | |
| 2 Tesla Powerwalls Hot | | Hot Tub, Whirlp | ool, Spa, etc. | | 1 | 1 | \$ 7.00 | |
| | | Lamps: Tubular | | | 1 | 1 | \$.50ea. | |
| | | Low voltage syst | tems (intercom, bells, etc.) | 1 | | | 1.50ea. | |
| | | Motors | | | + | 1 | \$ 7,00 | |
| | | Neon Lights: Per | Transformer | | 1 | 1 | \$ 4.00 | |
| the second s | And the second se | Outlets | | <u> </u> | 1 | \$ | .65/ea. | |
| | | Power Receptacle | e | | | 1 | \$ 7.00 | |
| | | Range | | | | | \$ 8.00 | |
| Department Notes | | | conditioner and cooling units | | | - | \$ 30.00 | |
| | | | rary & up to 600 amp Plus | 20 | 0 1 | 1 | \$ 35.00 | 35.00 |
| | | Signs, internally | | | | 1 | \$ 30.00 | |
| | | Sump pumps | <u> </u> | Ì | | 1 | \$ 3.00 | |
| | | Swimming pools | | | | 1 | \$ 35.00 | |
| | | Water Heater | | | | 1 | \$ 8.00 | |
| | | Wire ways, busw | ays, under-floor raceways | | | \$ | 1.50/ft | |
| | | Re-inspection Fee | the second s | | | | \$ 60.00 | |
| attest that the above inform /illage of Random Lake an nisinformation may result in | d State of Wisconsin co | les applicable to the occu | sed work to be performed on it. I agree apancy and work stated above. I under ordinances. | e to comp rstand that | bly with all t any false | | Sub Fotal: | 35.00 |
| | | | Base | | (Add to | | | |
| | | | Fee: | | Subtotal) | | | \$40.0 |
| | | | | | Total: | | | 75.00 |
| Office use only: | ey Hanse | Print Name] | Lindsey Hansen | Ţ | | 19/22 | | |
| Office use only: | | | Initials | | | | | |







STRUCTURAL CERTIFICATION REPORT

Roof-mounted Solar Panels October 21, 2022

To: Arch Solar 1237 Pilgrim Road Plymouth, WI 53073

Re: Crystal Kichura 918 Jessie Ln Random Lake, WI 53075

Arch Solar proposes to install new roof-mounted solar panels at this residence and asked *Right Angle Engineering* to review the existing structure for suitability. This letter summarizes the methods that were used to survey, evaluate, and certify the existing roof framing and the attachment of the new solar panels to it. Pictures and calculations are available on request.

STRUCTURAL DESIGN

| Building Code: | International Residential Code 2018 |
|-------------------|--|
| Design Standards: | ASCE 7-16 |
| Snow: | Ground: pg= 35.0 psf Flat Roof: pf= 24.26 psf Sloped Roof: ps= 17.79 psf |
| Wind: | Basic Wind Speed = 115.0 mph Exposure = C |
| Seismic: | Risk Category = 2 Seismic Design Category = A Site Class = D |

STRUCTURAL FRAMING

Field Technicians from Arch Solar visited the site and observed the existing roof framing:

| Array Name | Panel Quantity | Roof Framing | Material | Pitch |
|------------|----------------|--------------------------|------------------|-------|
| Array 1 | 19 | 2x6 Rafter DF#2 16" o.c. | Asphalt Shingles | 26 |

ANCHORAGE

The solar panel anchorage shall be installed according to the manufacturer's most current installation manual. Anchorage shall be staggered to distribute the load evenly to adjacent roof members. The solar panels should be mounted flush to the roof surface.

| Array Name | Connection Type | Fastener | Max Anchorage Spacing |
|------------|-----------------|--|-----------------------|
| Array 1 | FlashFoot2 | 5/16" or 18/8 SS lag screw (2.5" embedment) into roof substructure | 72" |

Installation Instructions

Solar panels and the equipment shall be installed per the manufacturer's installation specifications. Improper installation will void this certification. Deviations from the approved structural plans (including equipment substitutions) are not allowed without written approval from Right Angle Engineering. Prior to installation, the installer should:

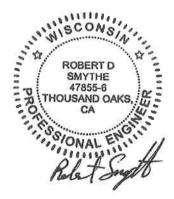
- Confirm that the existing structure matches the information provided in the structural survey, the approved installation plans and this certification.
- Identify discrepancies between this certification and the approved installation plans. If found, then this certification shall govern.
- Identify structural elements that are dangerous (cracked, broken, excessive sag, signs of overstress, rot, decay, fire, water). If found, installation shall cease until those elements are adequately abated and made to comply with the referenced building code.
- Provide fire setbacks and access pathways as required by local ordinances

STRUCTURAL CERTIFICATION

I certify the addition of solar panels on the roof of this structure does not cause the structure to become unsafe or make it generally less compliant with the life-safety requirements of the referenced building code. Based on the evaluation methods described below, for the loads that exist at this site, the existing framing should safely support the new solar panels if they are installed and attached correctly. Electrical design is not included in this certification.

| Array Name | Certification Method | Retrofits |
|------------|--|---------------|
| Array 1 | Prescriptive method International Existing Building code | None required |

Regards,



10/21/2022

Robert D. Smythe, P.E. Right Angle Engineering

'illage Of RANDOM

P.O. Box 344 96 Russell Drive Random Lake, WI 53075 Phone: (920) 994-4852 • Fax: (920) 994-2390



Building Permit Application

| Job Location (identify | exact address) | East cho | CE DR RANDOM | LAVE | Date | Permit# | |
|---|---------------------------|---|---|--------------------------|---|---------------|--------------------|
| Owner's Name | P | hone Number 210.388.8599 | Contact's Name (When Relevan | t) | | Phone N | umber |
| Owners Address (if di) | ferent from above) | <u></u> | City | | State | Zip Cod | e |
| Contractor's Name | R+ELECTHIC I | cense Number 458≤80 | Contractor's Contact Name KRYSTAL Pfeifer | 2 | I | | umber 889, 7731 |
| 200 S BLASIN | ess PARK DO | #5 of the permit hold he required inspections sible, a re-inspection | City S OOSTBULG er to arrange for appointment tions If the inspector cannot a on fee will be charged. | times wh access the | State VV en entry l: work site | Zip Coc | e |
| Use of Building | Type of Work | | Item | Size | Qty. | Fee | Amount |
| Residential | 🗆 New | Residence (One & | : Two Family) | | | .30/sq. ft. | 1 Into dille |
| □ Multi-Family | Addition | Residential Additi | ons | t | | .30/sq. ft. | |
| | Alteration/Repair | Attached/Detached | Garage | | | .25/sq. ft. | |
| | | Plan Review: Hou | | | | .12/sq. ft. | |
| | | | (\$33.00 (State fee) + \$10.00) | | | \$43.00 | |
| | | | (House & Garage) | | | .05/sq. ft. | |
| | | Remodeling (Inclu | | | | .20/sq. ft. | |
| | | | | | | \$1744.00 | |
| | | 2020 Sewer Hook- Erosion Control | up ree | | | \$150.00. | |
| | | Decks & Porches | | | | \$150.00. | |
| | | Storage Sheds | | | | .20/sq. ft. | |
| | | Re-Roof | | | | \$30.00 | |
| | | Re-Siding | | | | 50.00 | |
| | | | | | | 50.00 | |
| | | | above ground/in ground/spas) | | | 80.00 | |
| | | Fence | | | | 30.00 | |
| equired for exterior design cation | , appearance and | Architectural Revie | ew Board | | $\widehat{\mathbf{O}}$ | 45.00 | \$45.00 |
| equired for fences, accesso orches, pools, etc. | ry buildings, decks & | Plan Commission F | Review | | | 45.00 | 1 - 10. |
| equired for new constructions, accessory buildings, e | on, additions, fences, | Zoning Permit | | | | 45.00 | |
| | | Expedited Meeting | Fee (Nonrefundable) | | | | |
| | | Re-inspection Fee | | | | 100.00 | |
| OTE: | | | | | | 75.00 | |
| eparate permits are needed fo | or Electrical, HVAC, & | | | | _ | | |
| any work is commenced bet btained, all of the above fees | fore a building permit is | | | | | | |
| Il calculations for square foo mensions. | tage area are outside | | | | | | |
| attest that the above infor- vith all Village of Random | Lake and State of Wiscon | isin codes applicable f | posed work to be performed on it. to the occupancy and work stated a of Random Lake ordinances. | I agree to obvious I und | comply erstand | SUB TOTAL: | 15.00 |
| | | | BASE FEE (add to | subto | tal): | | \$40.0 |
| OFFICE USE ONLY ermit Paid By: | | Date: | Initials: | I | Permit Fotal: | # 85 | 00 |
| pplicant Signature | 2 | Print Name 2 | ssel Endries | | | -10 - 71 | 12.7. |

| 'illage Of | 71 | 1 | > | > |
|------------|-----------|-----|-----------|---|
| 7 | Ĩ | RAN | VDC KE | M |
| | <u> </u> | 7 | | |

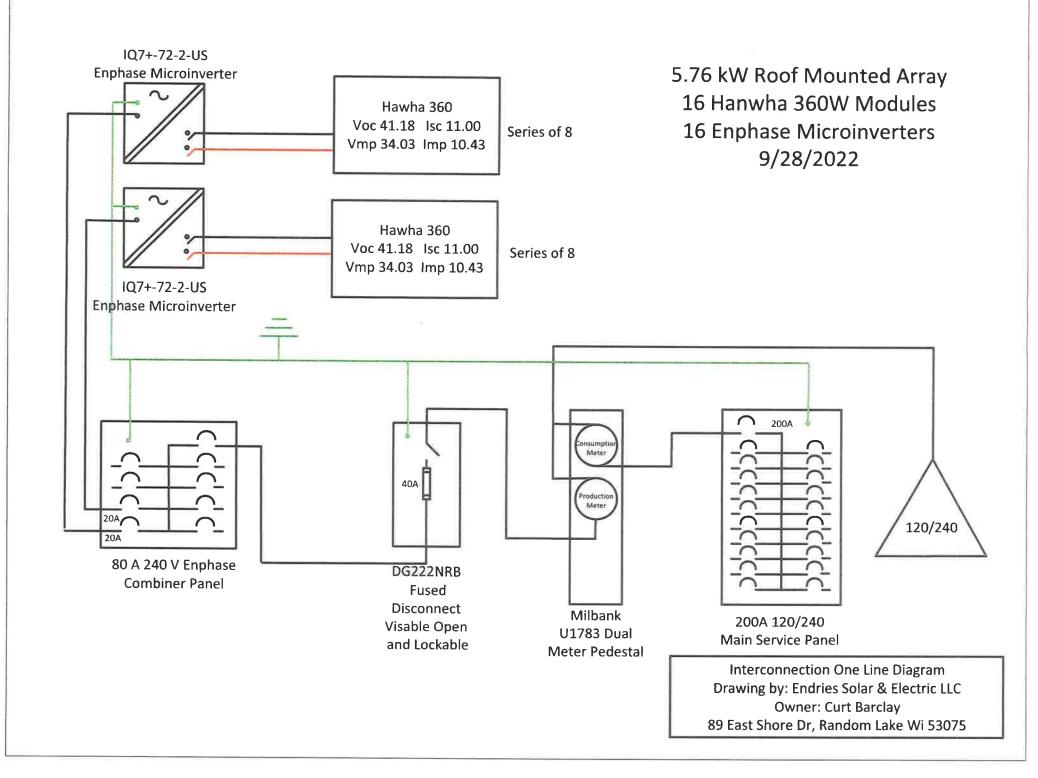
P.O. Box 344 96 Russell Drive Random Lake, WI 53075 Phone: (920) 994-4852 • Fax: (920) 994-2390

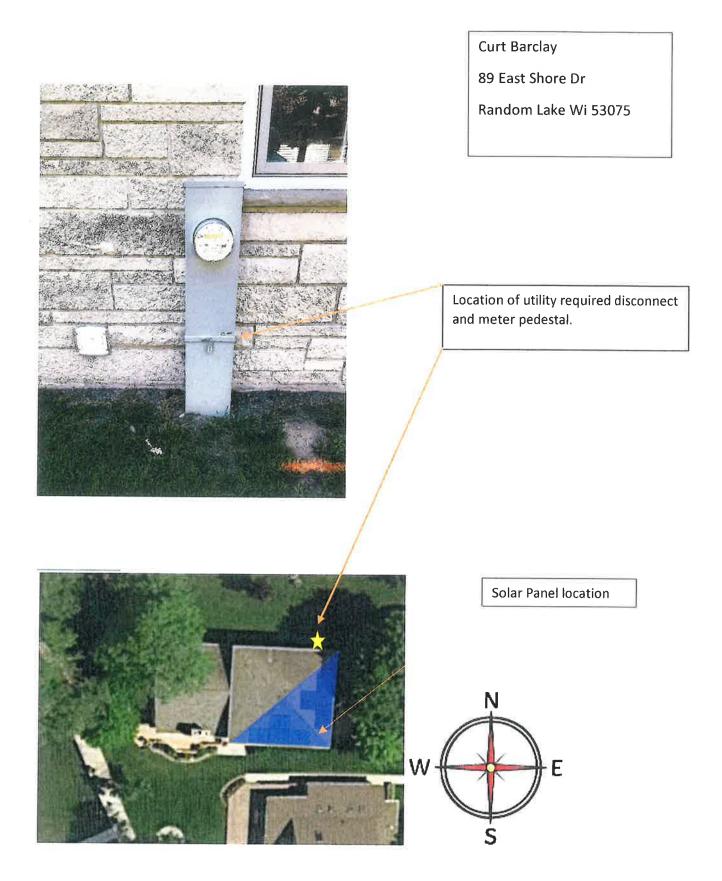
RECE TRID

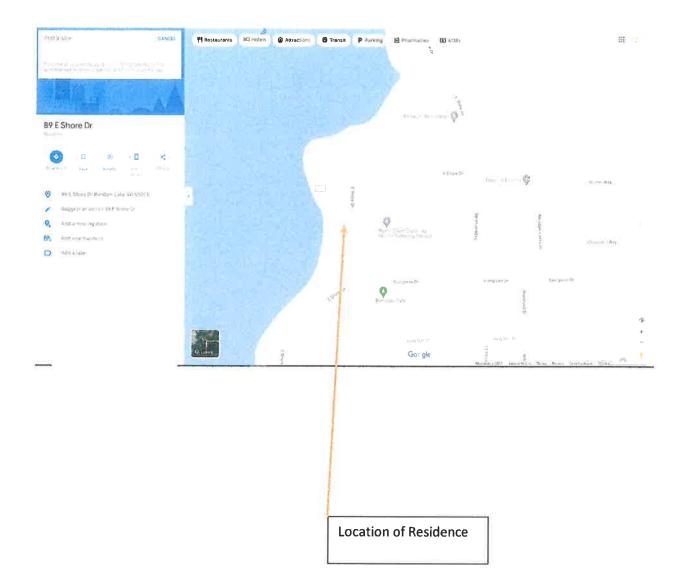
OCT 1 2 2022

Electrical Permit Application

| | Ele | ectrical P | Permit Applic | atic |)n | Y: | 257777777777777777777777777777777777777 |
|---|-------------------------------------|---|---|---|--------------------------|-----------------------|---|
| Job Location (identify ex | act address) 89 F.1 | AST SHOPE | DR RANDOM L Contact's Name (When Relevant) | AVe | Date | Permit# | |
| Owners Name | Pł | one Number | Contact's Name (When Relevant) | | | Phone Nur | nber |
| Owners Address (if diffe | CLAC 20 rent from above) | 06.388.8599 | City | | I State | Zip Code | _ |
| APPSu | | | | | | | |
| Contractor's Name ENDI Contractor's Address | 2105 SOLAR T | cense Number 458500 | Contractor's Contact Name | istal | - Pfeif | Phone Nur 120.1 | nber 889.773 |
| Contractor's Address 200 S BUSI | Dess PARK DR | #5 | OOSTBULG | 5 | | Zip Code 530 | 10 |
| | It is the responsibility of the per | rmit holder to arrange for a | appointment times when entry is available work is not visible, a re-inspection fee w | for the requ | irad inenactione | If the | |
| Use of Building | Type of Work | | Item | Size | Qty. | Fee | Amount |
| Residential | | Built-ins | | DILC | Q.J. | \$ 7.00 | Amount |
| □ Multi-Family | □ Addition | Clothes Dryer | | | + | \$ 7.00 | |
| | □ Alteration/Repair | Dishwasher | | | | \$ 7.00 | |
| Other Project Cost | | Electric Heating | | | - | \$ 1.25/kw | |
| | | Fans, exhaust and | l vent | | - | \$ 7.00 | - |
| | | Feeder or sub-fee | | | | \$ 10.00 | |
| | | Fixtures: Medium | | | - | \$ 10.00 \$.65ea. | |
| | | | | | - | φ.050a. | |
| | | Fuel Dispensing I | | <u> </u> | | 20.00/unit | |
| Additional Information | | Garbage Disposals | | <u> </u> | | \$ 7.00 | |
| | | Generator Transfe devices | ormer, Rectifiers or similar | | | \$ 1.50/kw | |
| | | Heating unit and r | notor | | | \$ 7.00 | |
| | | Hot Tub, Whirlpo | ool, Spa, etc. | | | \$ 7.00 | |
| | | Lamps: Tubular | | | | \$.50ea. | |
| | | Low voltage syste | ems (intercom, bells, etc.) | | | \$ 1.50ea | |
| | | Motors | | | | \$ 7.00 | |
| | | Neon Lights: Per | Transformer | | | \$ 4.00 | |
| | | Outlets | | | | \$.65/ea. | |
| | | Power Receptacle | | | | \$ 7.00 | |
| | | Range | | | | \$ 8.00 | |
| epartment Notes | | Refrigeration, air o | conditioner and cooling units | | | \$ 30.00 | |
| | | Service - Tempora 10.00/every 100 an | rry & up to 600 amp Plus mp over 600 | | | \$ 35.00 | #35.° |
| | | Signs, internally li | ghted | | | \$ 30.00 | |
| | | Sump pumps | | | | \$ 3.00 | |
| | | Swimming pools Water Heater | | | | \$ 35.00 | |
| | | | ys, under-floor raceways | | | \$ 8.00 | |
| | | Re-inspection Fee | Jo, ander 11001 Incoways | | | \$ 1.50/ft. | |
| mage of Random Lake and | State of Wisconsin codes | e property and propose applicable to the occur | d work to be performed on it. I agree | e to compl rstand that | ly with all any false | \$ 60.00 Sub | 35.00 |
| isinformation may result in p | enaities prescribed in the Vi | llage of Random Lake o | Base | | (Add to | lotal: | 00. |
| | | | Fee: | | Subtotal) | | \$40. |
| pplicant Signature | 2 () | | | the second se | Fotal: | #75. | 00 |
| ffice use only: | 2 | Print Name 20 | SSEL Endries | | Date 10 - | -10 - 20 | 22 |
| mice use only: mit Paid By | | | Initials | | Date | | |







Curt Barclay

Project Details

| Name | Curt Barclay | Date | 09/28/2022 |
|------------|---|----------------------|------------|
| Location | 89 East Shore Drive, Random Lake, WI 53075 | Total modules | 16 |
| Module | Hanwha Q.Cells: Q.PEAK DUO BLK-G10+ 360 (32mm) | Total watts | 5,760 |
| Dimensions | Dimensions: 67.6" x 41.14" x 1.26" (1717.0mm x 1045.0mm x 32.0mm) | Attachments | 32 |
| ASCE | 7-10 | Rails per row | 2 |

| System Weight | | Load Assumptions | |
|---------------------|-----------|-----------------------------|---------|
| Total system weight | 860.4 lbs | Wind exposure | В |
| Weight/attachment | 26,9 lbs | Wind speed | 115 mph |
| Racking weight | 158.4 lbs | Ground snow load | 30 psf |
| Distributed weight | 2.7 psf | Attachment spacing portrait | 4.0* |
| | | | |

Roof Information

| Roof Material Family | Comp Shingle | Roof material | Comp Shingle |
|----------------------|--------------|---------------------|--------------|
| Building height | 30 ft | Roof attachment | Flashfoot2 |
| Roof slope | 30 ° | Attachment hardware | T Bolt |
| Risk category | 11 | | |

Span Details XR100 - Portrait

Reaction Forces XR100 - Portrait

Weights

| Zone | Max span | Max cantilever | Zone | Down (lbs) | Uplift (lbs) | Lateral (Ibs) |
|------|----------|----------------|------|---------------|-----------------|------------------|
| 1 | 7'10" | 3' | 1 | 205 | 116 | 81 |
| 2 | 7' 10" | 3' | 2 | 205 | 144 | 81 |
| 3 | 7' 10" | 3' | 3 | 205 | 144 | 81 |

Roof Section 1

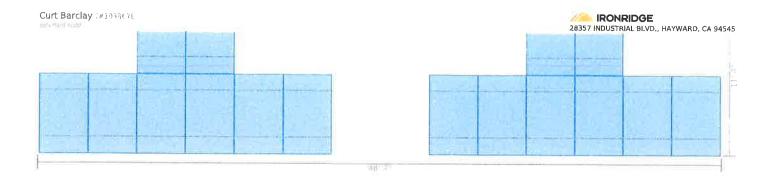
Details

| Panels: 16 | Provided rail: 168' [12 x 168"] | Total weight: 860.4 lbs |
|-----------------------------|---------------------------------|-----------------------------|
| Rail orientation: East-West | Attachments: 32 | Weight/attachment: 26.9 lbs |
| Panel orientation: Portrait | Splices: 4 | Total Area: 315.8 sq ft |
| Entry type: Graphical | Clamps: 40 | Distributed weight: 2.7 psf |
| | | |

Diagram

| | and the second of |
|---------------------------|----------------------------|
| Last updated by Russel En | drles on 09/28/22 05:46 AM |





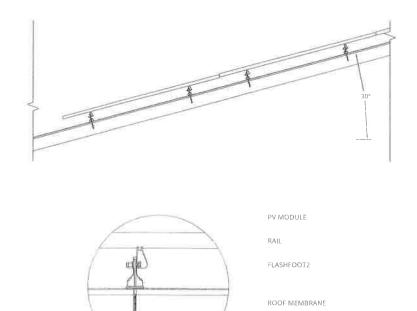
Segments

| Identifier | Columns | Row length | Rail length | Cantilever | Cantilever Violations | Rail | Attachments | Splices | Clamps |
|------------|---------|---------------|----------------|------------|--------------------------|--------------------|-------------|---------|--------|
| А | 2 | 7'1" | 7° 1" | 1' 6" | None | 28' [2 x 168"] | 4 | 0 | 6 |
| | | | | Row segme | ent totals (x 2) → | 56' [4 x 168"] | 8 | 0 | 12 |
| В | 6 | 20' 11" | 20' 11" | 5" | None | 56' [4 x 168"] | 12 | 2 | 14 |
| | | | | Row segme | ent totals (x 2) → | 112' [8 x 168"] | 24 | 4 | 28 |
| | | | | | | | | | |

Contour Plan - Trim Cut List

| Identifier | Scrap from | Length | Scraps Created | Discard |
|------------|------------|--------|----------------|---------|
|------------|------------|--------|----------------|---------|

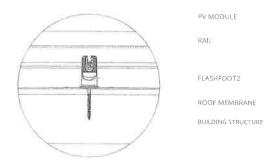
Side View (portrait)



BUILDING STRUCTURE

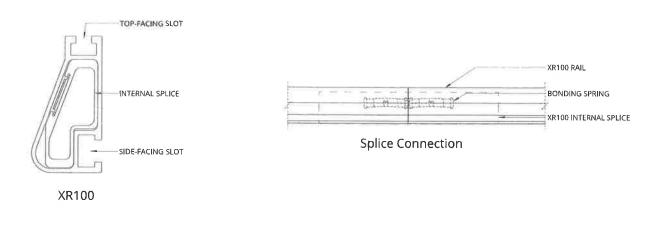
Front View (portrait)



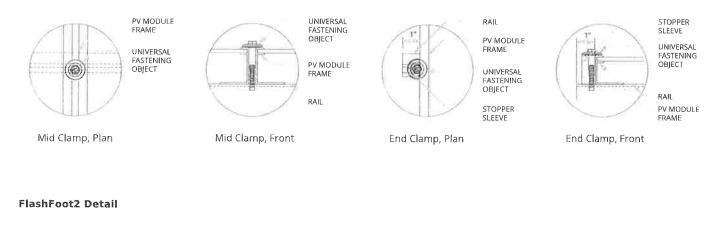


Curt Barclay = 3, 7

Splice Details

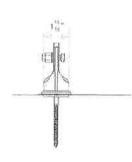


Clamp Detail





Plan View



Side View

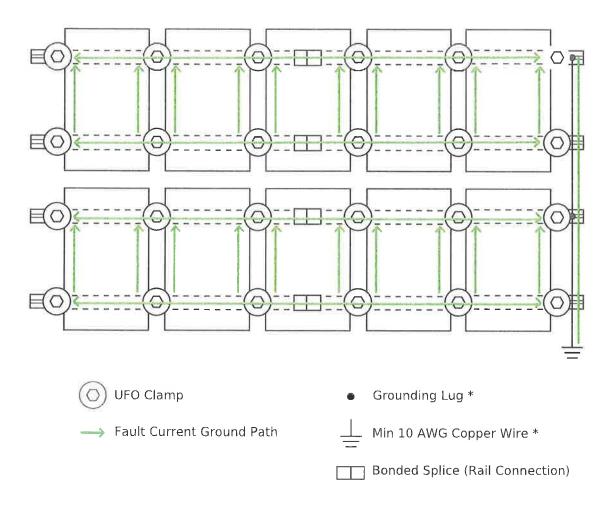


3 16 5 16

Perspective View

Front View

Grounding Diagram



* Grounding Lugs and Wire are not required in systems using Enphase microinverters.

Bill of Materials

| Curt Barclay | | 28357 INDUSTRIAL BLVD., HAYWARD, CA 94545 |
|---|--------|---|
| Part | Spares | Total Qty |
| Rails & Splices | | |
| XR-100-168A XR100, Rail 168" (14 Feet) Clear | 0 | 12 |
| XR100-BOSS-01-M1 Bonded Splice, XR100 | 0 | 4 |
| Clamps & Grounding | | |
| UFO-CL-01-A1 Universal Module Clamp, Clear | 0 | 40 |
| UFO-STP-32MM-M1 Stopper Sleeve, 32MM, Mill | 0 | 16 |
| XR-LUG-03-A1 Grounding Lug, Low Profile | 0 | 4 |
| Attachments | | |
| FF2-01-M2 FlashFoot2, Mill | 0 | 32 |
| BHW-TB-02-A1 T-Bolt Bonding Hardware | 0 | 32 |
| Accessories | | |
| BHW-MI-01-A1 Microinverter/MLPE Bonding Hardware, T-Bolt | 0 | 16 |





Q.PEAK DUO BLK-G10+ 350-370

ENDURING HIGH PERFORMANCE



Quality Controlled PV

www.tuv.com ID 1111232615





BREAKING THE 20 % EFFICIENCY BARRIER

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9 %.





INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.QTM.



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty²,

¹ APT test conditions according to IEC / TS 62804-1 2015, method A (-1500 V, 96h) ² See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:

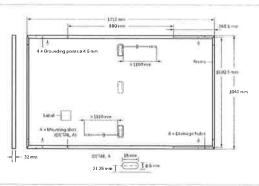


Rooftop arrays on residential buildings



MECHANICAL SPECIFICATION

| Format | 1717mm × 1045mm × 32mm (including frame) | | | | | |
|----------------|--|--|--|--|--|--|
| Venght | 19.9 kg | | | | | |
| Franc Cevel | 3.2mm thermally pre-stressed glass with anti-reflection technology | | | | | |
| lines Cover | Composite film | | | | | |
| Francé | Black anodised aluminium | | | | | |
| 0.011 | 6 × 20 monocrystalline Q ANTUM solar half cells | | | | | |
| Janotrey, hos. | 53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes | | | | | |
| Cable | 4 mm² Solar cable, (+) ≥1150 mm, (-) ≥1150 mm | | | | | |
| Ganneator | Stäubli MC4; IP68 | | | | | |

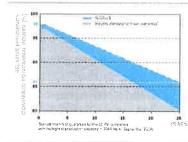


ELECTRICAL CHARACTERISTICS

| PO | WER CLASS | | | 350 | 355 | 360 | 365 | 370 |
|-------|-----------------------------|------------------|------------|---------------|----------|-------|-------|-------|
| MUP | JIMUM PERFORMANCE AT STANDA | RD TEST CONDITIC | NS STO (PO | WER TOLERANCE | -5W7-0W) | | | |
| | Fower at MPP | P _{MPP} | [W] | 350 | 355 | 360 | 365 | 370 |
| 2 | Short Circuit Opriant | I _{sc} | [A] | 10.97 | 11.00 | 11.04 | 11.07 | 11.10 |
| 2010 | Open Circuit Jollage | Voc | [V] | 41.11 | 41.14 | 41,18 | 41.21 | 41.24 |
| 19 | Chargent at MPI | I _{MPP} | [A] | 10.37 | 10.43 | 10,49 | 10,56 | 10.62 |
| 1 | Vollage at MPP | VMPP | [V] | 33.76 | 34.03 | 34,31 | 34.58 | 34,84 |
| | Efficiency | η | [%] | >19.5 | ≥19.8 | ≥20.1 | ≥20.3 | ≥20.6 |
| 1/110 | MUM PERFORMANCE AT NORMA | OPERATING CON | STIONS NM | 574 | | | | |
| | Powler at MPP | PMPP | [W] | 262.6 | 266.3 | 270.1 | 273,8 | 277.6 |
| 10 | Short Circuit Gurrent | I _{sc} | [A] | 8.84 | 8,87 | 8.89 | 8.92 | 8.95 |
| E. | Open Circuit Joitage | Voc | [V] | 38,77 | 38.80 | 38.83 | 38.86 | 38.90 |
| 5 | Coursent at MPP | IMPP | [A] | 8 14 | 8.20 | 8.26 | 8.31 | 8.37 |
| | Voltage at MPP | V _{MPP} | [V] | 32.24 | 32.48 | 32 71 | 32 94 | 33.17 |

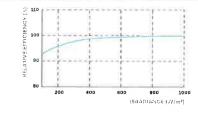
 ¹Measurement tolerances P_{MPP} ±3%; I_{sc}; V_{oc} ±5% at STC: 1000 W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • 7800 W/m², NMOT, spectrum AM 1.5

 Q CELLS PERFORMANCE WARRANTY
 PERFORMANCE AT LOW IRRADIANCE



At least 98% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years

All data within measurement tolerances, Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000W/m²).

TEMPERATURE COEFFICIENTS

| Lumperature Constituted at L | α | [%/K] | 10.04 | Temporature Confribent of V | β | [%/K] | -0 27 |
|---------------------------------|---|-------|-------|--------------------------------------|------|-------|-------|
| Terriperature Coefficient of Pr | Y | [%/K] | -0.34 | Non-mel Module Operating Temperature | NMOT | [°C] | 43±3 |

| P | RC | PER | TIPS | FOR | SYSTE | -MD | ESIGN |
|---|------|------|------|-----|-------|----------|-------|
| | ILC. | r Li | 1166 | | 01011 | -141 1-2 | LOIGN |

| Maximum System Voltrige | V. | [V] | 1000 | PV module classification | Class II |
|----------------------------|----|------|-----------|------------------------------------|---------------|
| The kim im Reverse Contest | 16 | [A] | 20 | Fire Rating basso on ANSI/UE 01700 | C/TYPE 2 |
| Max Dus or Loan Push/Pull | | [Pa] | 3600/2660 | Permitted Moosee Temperature | -40°C - ⊧85°C |
| Max Test Load Push / Full | | [Pa] | 5400/4000 | on Continuous Dury | |

QUALIFICATIONS AND CERTIFICATES

Quality Controlled PV - TUV Rheinland IEC 61215:2016; IEC 61730:2016 This data sheet complies with DIN EN 50380 QCPV Certification ongoing



Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Hanwha Q CELLS GmbH

Sonnenallee 17-21, 06766 Bitterfeld-Wolfen, Germany | TEL +49 (0)3494 66 99-23444 | FAX +49 (0)3494 66 99-23000 | EMAIL sales@q-cells com | WEB www.q-cells.com

CELLS

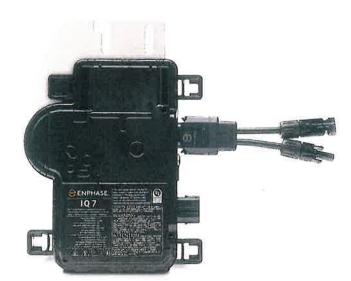
Data Sheet Enphase Microinverters Region AMERICAS

Enphase IQ 7 and IQ 7+ Microinverters

The high-powered smart grid-ready Enphase IQ 7 Micro[™] and Enphase IQ 7+ Micro[™] dramatically simplify the installation process while achieving the highest system efficiency.

Part of the Enphase IQ System, the IQ 7 and IQ 7+ Microinverters integrate with the Enphase IQ Envoy™, Enphase IQ Battery™, and the Enphase Enlighten™ monitoring and analysis software.

IQ Series Microinverters extend the reliability standards set forth by previous generations and undergo over a million hours of power-on testing, enabling Enphase to provide an industry-leading warranty of up to 25 years.



Easy to Install

- Lightweight and simple
- · Faster installation with improved, lighter two-wire cabling
- Built-in rapid shutdown compliant (NEC 2014 & 2017)

Productive and Reliable

- · Optimized for high powered 60-cell and 72-cell* modules
- More than a million hours of testing
- · Class II double-insulated enclosure
- UL listed

Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid profiles
- Meets CA Rule 21 (UL 1741 SA)

* The IQ 7+ Micro is required to support 72-cell modules



To learn more about Enphase offerings, visit enphase.com



Enphase IQ 7 and IQ 7+ Microinverters

| INPUT DATA (DC) | 1Q7-60-2-US | W HELE PARTY CARD | IQ7PLUS-72-2-US | | |
|--|--|--|---------------------------------|--|--|
| Commonly used module pairings ¹ | 235 W - 350 W + | | 235 W - 440 W + | | |
| Module compatibility | 60-cell PV modules only | | 60-cell and 72-cell PV modules | | |
| Maximum input DC voltage | 48 √ | | 60 V | | |
| Peak power tracking voltage | 27 V - 37 V | | 27 V - 45 V | | |
| Operating range | 16 V - 48 V | | 16 V - 60 V | | |
| Min/Max start voltage | 22 V / 48 V | | 22 V / 60 V | | |
| Max DC short circuit current (module Isc) | 15 A | | 15 A | | |
| Overvoltage class DC port | 11 | | [] | | |
| DC port backfeed current | 0 A | | ΟA | | |
| PV array configuration | 1 x 1 unarounde | d array; No additio | nal DC side protec | tion required: | |
| , . | | on requires max 20 | | | |
| OUTPUT DATA (AC) | IQ 7 Microinve | rter | IQ 7+ Microin | verter | |
| Peak output power | 250 VA | | 295 VA | | |
| Maximum continuous output power | 240 VA | | 290 VA | | |
| Nominal (L-L) voltage/range ² | 240 V / | 208 V / | 240 V / | 208 V / | |
| | 211-264 V | 183-229 V | 211-264 V | 183-229 V | |
| Maximum continuous output current | 1.0 A (240 V) | 1 15 A (208 V) | 1.21 A (240 V) | 1.39 A (208 V) | |
| Nominal frequency | 60 Hz | | 60 Hz | | |
| Extended frequency range | 47 - 68 Hz | | 47 - 68 Hz | | |
| AC short circuit fault current over 3 cycles | 5.8 Arms | | 5.8 Arms | | |
| Maximum units per 20 A (L-L) branch circuit³ | 16 (240 VAC) | 13 (208 VAC) | 13 (240 VAC) | 11 (208 VAC) | |
| Overvoltage class AC port | TH . | | 141 | | |
| AC port backfeed current | 0 A | | 0 A | | |
| Power factor setting | 1_0 | | 1.0 | | |
| Power factor (adjusta bl e) | 0.85 leading (| 85 lagging | 0.85 leadi ng (| 0.85 lagging | |
| EFFICIENCY | @240 V | @208 V | @240 V | @208 V | |
| Peak efficiency | 97.6 % | 97.6 % | 975% | 97.3 % | |
| CEC weighted efficiency | 97.0 % | 970% | 97.0 % | 97.0 % | |
| VIECHANICAL DATA | | | | | |
| Ambient temperature range | -40°C to +65°C | | | | |
| Relative humidity range | 4% to 100% (con | densing) | | | |
| Connector type (IQ7-60-2-US & IQ7PLUS-72-2-US) | MC4 (or Amphe | nol FI4 UTX with ad | ditional Q-DCC-5 a | adapter) | |
| Dimensions (WxHxD) | | im x 30 2 mm (with | | , , , | |
| Weight | 1 08 kg (2 38 lbs | | / | | |
| Cooling | Natural convecti | | | | |
| Approved for wet locations | Yes | | | | |
| Pollution degree | PD3 | | | | |
| | | nsulated, corrosior | racistant noluma | rio analoguro | |
| | | | riesistant polymei | | |
| nvironmental category / UV exposure rating EATURES | NEMA Type 6 / c | 00001 | in a state of the second second | | |
| | Derman Lin - O | (51.5) | | | |
| | | munication (PLC) | | | |
| Aonitoring | Both options rec | ger and MyEnlighte uire installation of | an Enphase IQ Env | /оу | |
| Disconnecting means | | | en evaluated and a | approved by UL for use as the load-break | |
| Compliance | CA Rule 21 (UL 1741-SA) UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22_2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC-2014 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions. | | | | |

No enforced DC/AC ratio. See the compatibility calculator at <u>https://enphase.com/en-us/support/module-compatibility</u>
 Nominal voltage range can be extended beyond nominal if required by the utility.
 Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area

To learn more about Enphase offerings, visit enphase.com

ko 2019 Enphase Energy, All rights reserved. All trademarks or brands used are the property of Enphase Energy, Inc.





Structural Engineering Letter

Date: 10/07/2022 Project Name: Curt Barclay Project Address: 89 E Shore Dr, Random Lake, WI, 53075 Contractor : Endries Solar & Electric LLC Contractor Address : 200 S Business Park Dr Suite 5, Oostburg, WI 53070

Attn : To Whom It May Concern

A Field observation of the condition of the existing framing system was performed by an audit team from **Endries Solar & Electric LLC**. From the Field observation of the property, the existing roof structure observed as follows:

 Existing roof is supported by 2 x 6 @ 16" rafters at the solar array. The rafters are sloped at approximately 30 degree and have maximum projected horizontal span of 14 feet in between load bearing supports.

Design Criteria

- Applicable codes: Uniform Dwelling Code (UDC) SPS 321-325 One & Two Family Buildings
- · Ground Snow Load: 30 psf
- Roof Dead Load: 20 psf
- Wind speed: 125 mph
- Risk Category: II



Date Certified and Signed: 10/07/2022

I certify that the capacity of the structural roof framing that directly supports the additional gravity loading due to the solar panel supports and modules had been reviewed and determined to meet or exceed the requirements in accordance with the Design Criteria.

If you have any questions or concerns please contact us,

Engineerinc.io, 303 N Glenoaks Blvd Suite 200 Burbank, CA 91502 (747) 333 - 5991 new@engineerinc.io



Date: 10/07/2022

Job Number: 10636

Prepared for : Endries Solar & Electric LLC, 200 S Business Park Dr Suite 5, Oostburg, WI 53070

Project.: Curt Barclay, 89 E Shore Dr, Random Lake, WI, 53075

The following calculations are for the structural engineering design of the photovoltaic panels and are valid only for the structural info referenced in the stamped plan set. The verification of such info is the responsibility of others. After review, I certify that the roof structure has sufficient structural capacity for the applied PV loads. All PV mounting equipment shall be designed and installed per manufacturer's approved installation specifications.

Engineerinc.io 303 N Glenoaks Blvd Suite 200 Burbank, CA 91502 (747) 333 - 5991 new@engineerinc.io



Date Certified and Signed: 10/07/2022

ENGINEERINC

Solar Module Details

| Module Type | HANWHA |
|---------------------|----------|
| Module Quantity | 16 |
| Module Model Number | 360 WATT |

Design Criteria

Code: Uniform Dwelling Code (UDC) SPS 321-325 One & Two Family Buildings

| Live Load (psf) | 20 |
|----------------------|-----|
| Ult Wind Speed (mph) | 125 |
| Exposure Cat | с |
| Ground Snow (psf) | 30 |

Structure Geometry

| | Eave Helght, he (ft) | 15 to 20ft |
|---|---|------------|
| l | Pitch of main roof (deg) | 30 |
| | Bullding Length, L (ft) | 40 |
| 1 | Bullding Width, B (ft) | 50 |
| 1 | Roof Area (Module Area) ft2 | 2000.00 |
| | Standoff(I.e., Roof Mount) Spacing Feet | 4` |
| | | |

NOTE: attachments should be installed in a staggered configuratiion to properly destributor loading.

Roof Properties

| Roof Geometry type | Gable Roof |
|--------------------|------------|
| Roof Type | Truss |
| Roof Pitch (deg) | 30 |



| | Roofing Type | Comp Shingles |
|---------|----------------------------|--------------------------|
| | Sheathing Type | 1/2" OSB Board |
| | Wood species | No. 2, Douglas Fir-Larch |
| | Wood Fb (psf) | 900 |
| | Wood Fv (psf) | 180 |
| | Wood E (psf) | 1600000 |
| | Purlin C/C Spacing (in) | 12 |
| | Rafter C/C. Spacing (in.) | 16 |
| Purlin | | |
| | Section Thickness, b (In.) | 2 |
| | Section Depth, d (in.) | 4 |
| Rafter | | |
| | Section Thickness, b (in.) | 2 |
| | Section Depth, d (in.) | 6 |
| | Maximum Rafter Span (ft) | 14 |
| Factors | | |
| | Cd(wind) | 1.60 |
| | Cd(Snow) | 1.60 |
| | CLS | 1.15 |
| | CM | 1 |
| | Ct | 1 |
| | CL | 0.75 |
| | CF | 1.5 |
| | Cfu | 1 |
| | | |
| | Cv | 1 |
| | Cv Cr | 1 |
| | | |

ENGINEERINC

Dead Load(psf)

| Comp Shingles | 3.00 psf |
|--------------------------|--------------------------|
| 1/2" OSB Board | 2.00 psf |
| Insulation | 2.00 psf |
| Total Roof 1DL | 7 psf |
| | |
| No. 2, Douglas Fir-Larch | 31.00 lb/ft ³ |
| | |
| Solar Panel DL | 3.00 psf |
| | 8 |
| | Roof 1 |
| Roof_Dist_DL | 7.00 psf |
| M_Roof_Dist_DL | 6685.56 |
| Def_Roof_Dist_DL | 4.10 |
| | 5. |
| PV_uni_Dist_DL | 3.00 psf |
| M_PV_uni_Dist_DL | 63.21 |
| Def_PV_uni_Dist_DL | 0.04 |
| | |
| Total_Unl_DL | 11.00 psf |
| M_Total_DL | 6748.77 |
| | |

Snow Load(psf)

| Ground Snow Load, pg | 30 |
|-----------------------|------------|
| Importance Factor, Ic | ° 1 |
| Thermal Factor, Ct | 1 |
| Exposure Factor, Ce | 1 |
| Flat roof snow, pF | 30 |
| Slope Factor, Cs | 1 |
| | |



| Sloped Row Snow, ps | 30 |
|---------------------|--------|
| Uni_Dist_S | 30.00 |
| M_uni_Dist_s | 735.00 |
| Def_uni_Dist_S | 0.45 |

Wind Load

| Ultimate Wind Speed | 125 |
|--------------------------------------|---------|
| Directionality Factor,kd | 0.85 |
| Topographic factor | 1.00 |
| Velocity pressure exposure factor,kz | 0.88 |
| Ground Elevation Factor,ke | -7.57 |
| Side Wall Width | 50 |
| Median Roof Height | -302.77 |
| Velocity pressure,qz | 29.92 |
| | ~ |
| External Pressure Up,GCp_1 | -0.2 |
| External Pressure Up,GCp_2 | -0.6 |
| External Pressure Up,GCp_3 | -0.9 |
| External Pressure Down,GCp | 0.3 |
| | |
| Design Pressure Up,p_1 | -5.00 |
| Design Pressure Up,p_2 | -15.01 |
| Design Pressure Up,p_3 | -22.51 |
| Design Pressure Up,p | 7.50 |
| | |
| Uni_Dist_W_up | -22.51 |
| M_uni_Dist_W_up | -551.50 |
| Def_unl_Dist_W_up | -0.34 |
| Unl_Dist_W_down | 7.50 |
| | |



| M_uni_Dist_W_down | 183.75 |
|---------------------|--------|
| Def_unl_Dist_W_down | 0.11 |

Lag Screw Uplift Check (ASD)

| 5/16" Lag Screw Withdrawi value | 205.00 lb/in |
|---------------------------------|------------------|
| Lag Screw Penetration | 2.50 in |
| Roof1 0.6D+0.6W(up z1) | 2289.192 > 512.5 |
| Roof1 0.6D+0.8W(up z2) | 2283.186 > 512.5 |
| | |

Framing Check (ASD):

| Roof1 uni 1.0D+0.6W | 6859.02 > 1020.94 |
|------------------------|-------------------|
| Lag Screw Penetration | 7382.71 > 1020.94 |
| Roof1 0.6D+0.6W(up z1) | 7483.77 > 733.80 |
| Roof1 0.6D+0.6W(up z2) | 3718.36 > 1020.94 |

Seismic Check:

| Wood | 5.00 psf |
|--------------------------|---|
| 2x4 Studs @ 16" | 2.00 psf |
| Gypsum | 3.00 psf 2.00 psf |
| Misc(Insulatioon,etc) | 2.00 psf |
| | |
| Total wall DL | 12.00 psf |
| Total Wall Area (Approx) | 12.00 psf 2310.00 ft ² 27720 lbs |
| Total Wall W | 27720 lbs |
| | |
| Total Roof DL | 7.50 psf |
| Total Roof Area (Approx) | 7.50 psf 923.62 ft ² |
| Total Roof W | 6927.15 lbs |
| | |



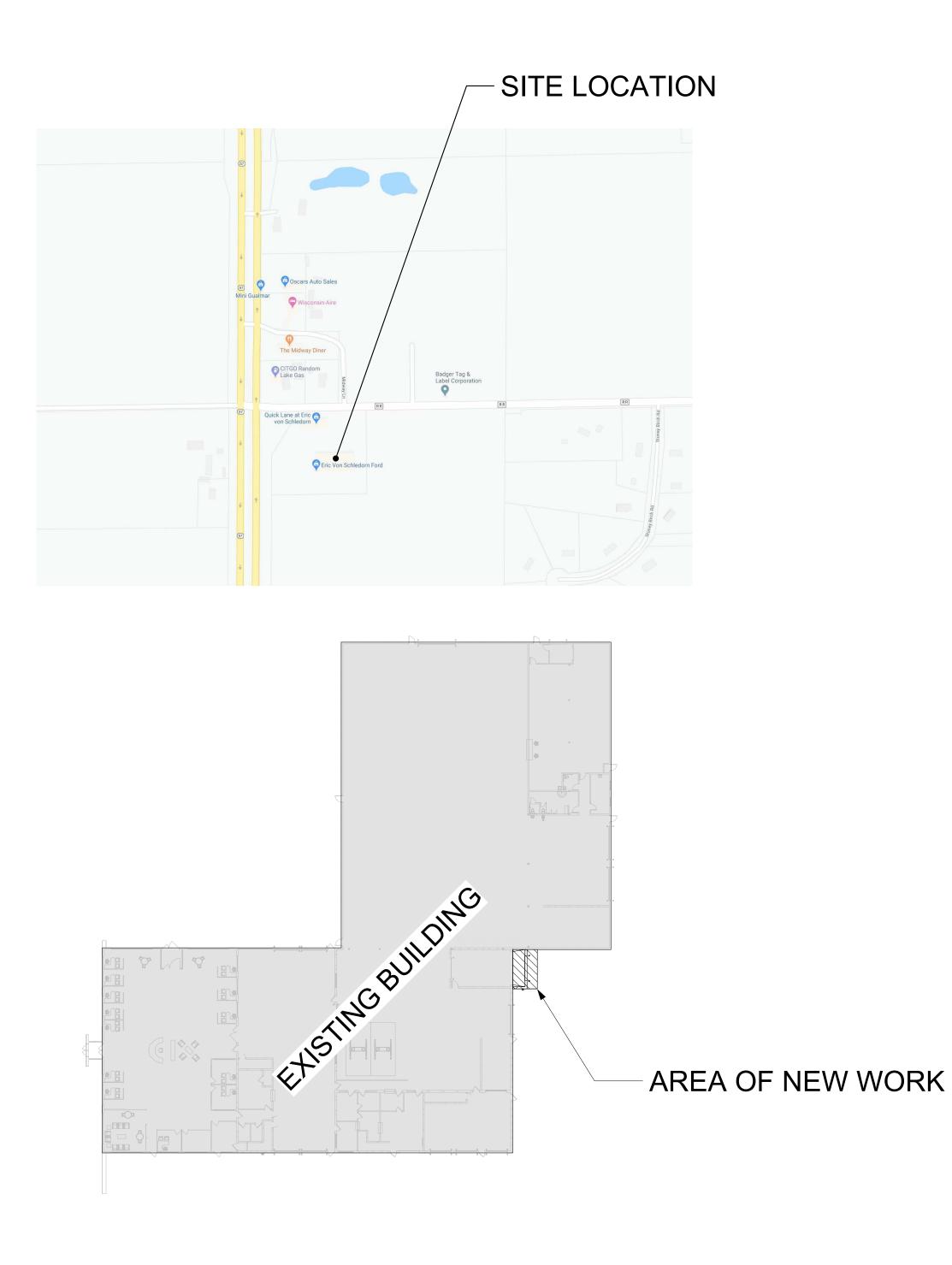
| PV Panel W | 3.00 psf | |
|------------------------------------|--|----|
| Area of panel | 3.00 psf 320.00 ft² | |
| Total Roof W | 331.67 lbs | |
| | | |
| % Increase=(Wadditional)/Wexisting | 1.01% | ок |

The increase in weight as a result of the solar system is less than 10% of the existing structure and therefore no further seismic analysis is required.

Limits of Scope of Work and Liability

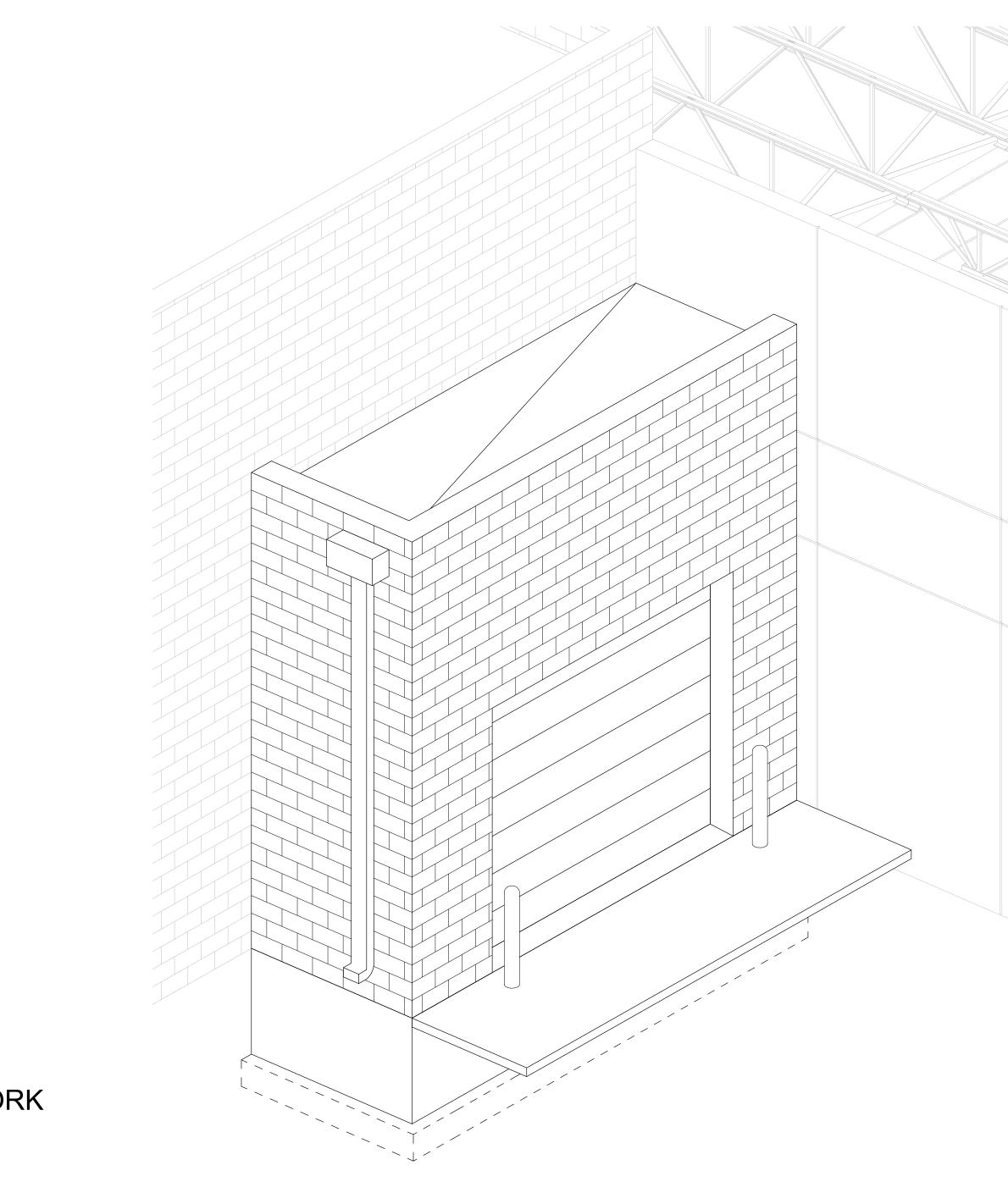
Existing structure is assumed to have been designed and constructed following appropriate codes at time of erection, and assumed to have appropriate permits. The calculations produced are only for the roof framing supporting the proposed PV installation referenced in the stamped planset and were completed according to generally recognized structural analysis standards and procedures, professional engineering and design experience, opinions and judgements. Existing deficiencies which are unknown or were not observable during time of inspection are not included in this scope of work. All PV modules, racking, and mounting equipment shall be designed and installed per manufacturer's approved installation specifications. The Engineer of Record and Engineerinc assume no responsibility for misuse or improper installation. This analysis is not stamped for water leakage. Framing was determined based on information in provided plans and/or photos, along with engineering judgement. Prior to commencement of work, the contractor shall verify the framing sizes, spacings, and spans noted in the stamped plans, calculations, and cert letter (where applicable) and notify the Engineer of Record of any discrepancies prior to starting construction. Contractor shall also verify that there is no damaged framing that was not addressed in stamped plans, calculations, and cert letter (where applicable) and notify the Engineer of Record of any concerns prior to starting construction. Prior to the commencement of work, the contractor shall verify the existing roof and framing conditions. Notify Engineerinc and the engineer of record of any Discrepancies prior to starting construction. Prior to the commencement of work, the contractor shall inspect framing for any damage such as water damage, cracked framing, etc. and notify the E.O.R. if any issues are found These plans/calculations are stamped for structural code compliance of the roof framing supporting the proposed PV installation reference only. These plans/calculations are not stamped for water leakage. PV modules, racking, and attachment components must follow manufacturer guidelines and requirements,

ERIC VON SCHLEDORN ADDITION AND ALTERATIONS W4873 CO. RD. RR RANDOM LAKE, WI 53075



STAMPS & APPROVALS:

CAR WASH ADDITION





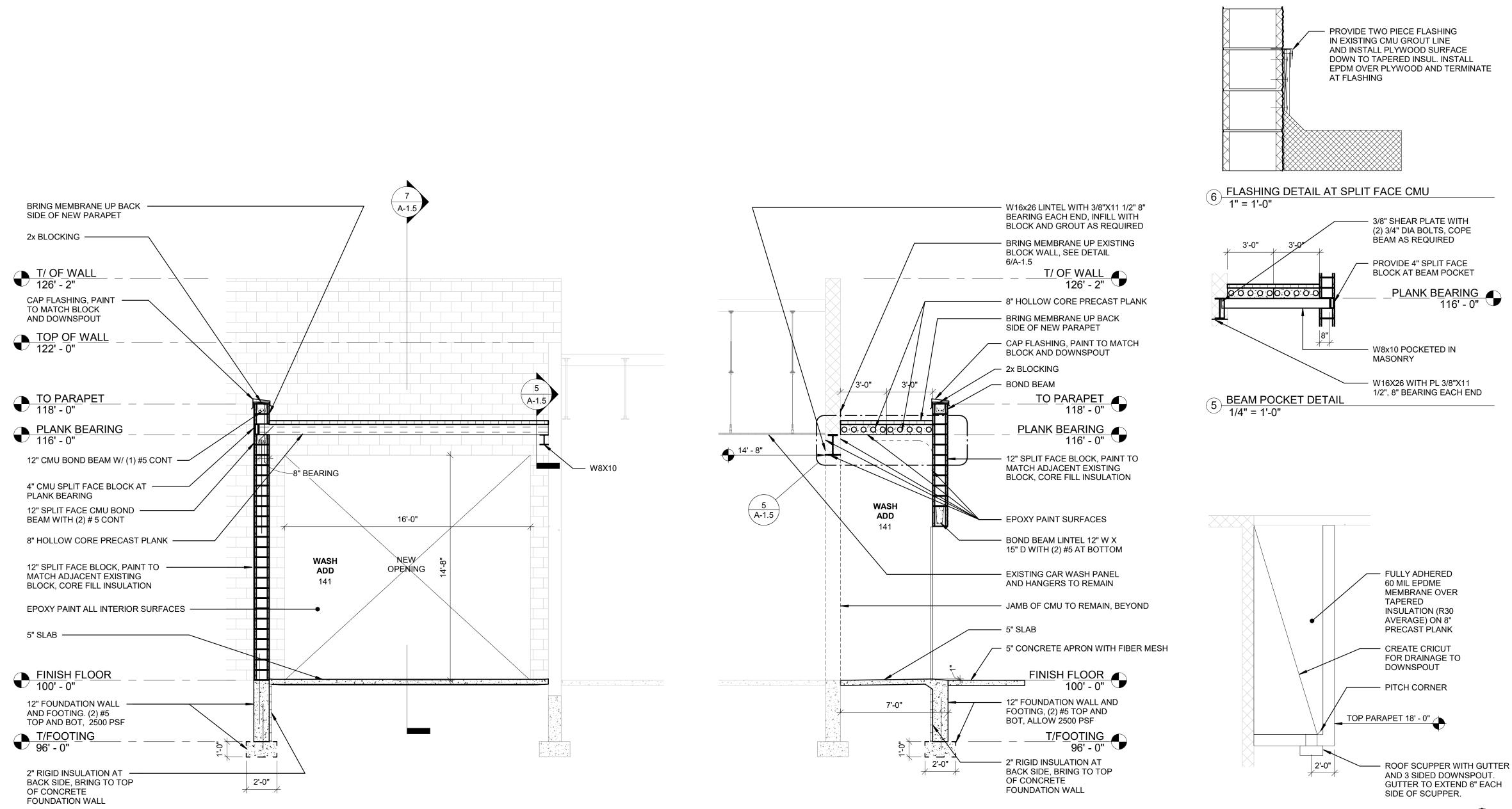
10/17/2022



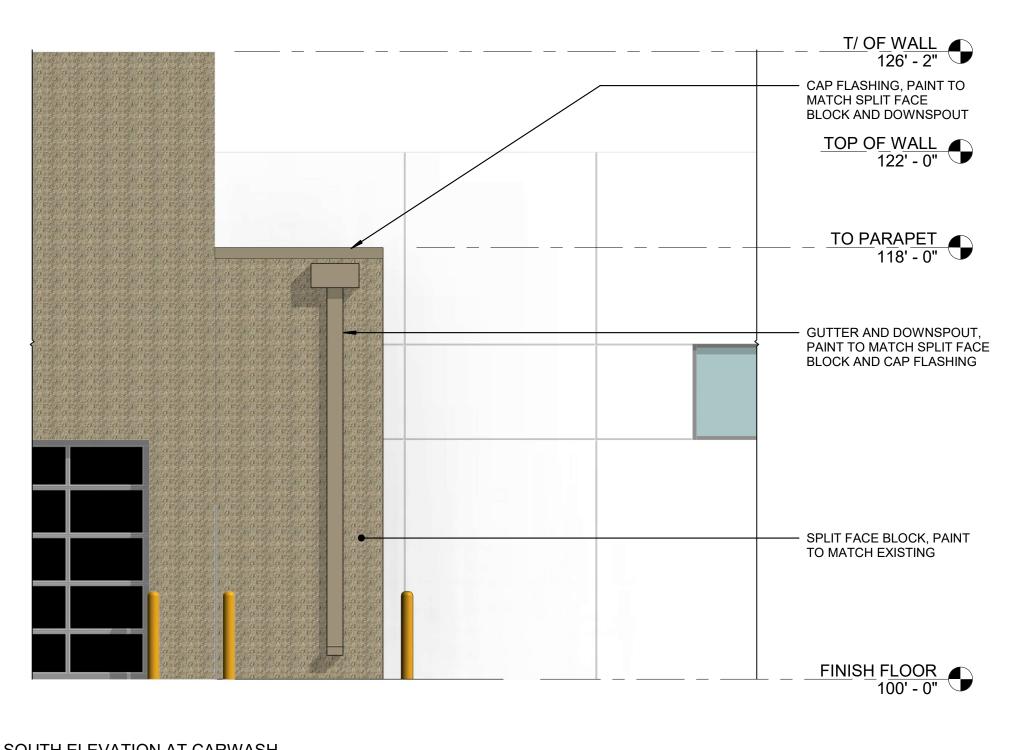
| SHEET INDEX | | | |
|------------------|-------------------|--|--|
| 01-GENERAL | | | |
| G-1.0 | COVER SHEET | | |
| 09-ARCHITECTURAL | | | |
| A-1.5 | CAR WASH ADDITION | | |

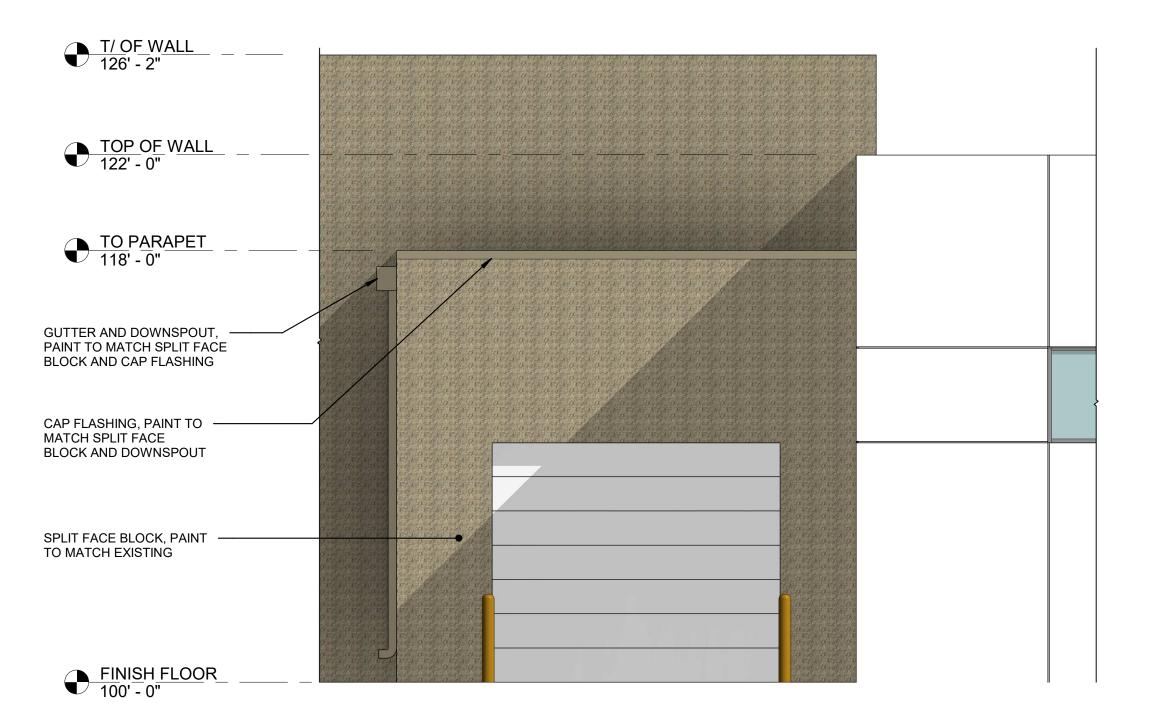


9 WALL SECTION 1/4" = 1'-0"



10 SOUTH ELEVATION AT CARWASH





8 EAST ELEVATION AT CARWASH 1/4" = 1'-0"

(4) ROOF PLAN 3/16" = 1'-0"



