NOTICE OF MEETING
VILLAGE OF FOX POINT
BUILDING BOARD

NOTE: THIS MEETING WILL BE HELD VIRTUALLY ONLY VIA WEBINAR. NO IN-PERSON ATTENDANCE HELD

Wednesday
February 12, 2025
5:00 P.M.

Join Zoom Meeting

https://us02web.zoom.us/j/83877661472

Meeting ID: 838 7766 1472

Dial by your location: 312.626.6799

AGENDA

1. Roll call of board members and quorum confirmation.
2. Discussion, corrections, and approval of the minutes of the December 11, 2024 Building Board meeting.
3. Carol Eling, 7405 N Seneca Rd, proposed breezeway renovation.
4. Chris Vanderlinden, 390 E Macarther, proposed roof mounted solar.
5. Adjourn.

Posted and Published: February 5, 2025

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. For additional information or to request these services, contact the Village Clerk at 414-351-8900. It is possible that members of, and possibly a quorum of members of, other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information; no action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice.

VILLAGE OF FOX POINT
BUILDING BOARD MINUTES

A meeting of the Building Board was held via Zoom, on Wednesday, December 11, 2024, at 5:00 pm. Those present included:

Justin Racinowski
William Feldman
Sharon Celek-absent
Lucille Sells
Brian Tobiczyk
Michael Rakow

Notice of the meeting was provided to the North Shore Now and to all others as required by State open meeting laws and posted on the official bulletin boards.

MINUTES

Motion was made by William Feldman to approve the minutes of November 13. Motion was seconded by Lucille Sells. Motion Caried.

AGENDA

1. **Jeff Langer, 8040 N Links Way, proposed deck and gazebo.** It was the consensus of the Building Board to approve as submitted.

2. **Crystal Flick, 723 E Juniper Ln, proposed addition on sunroom.** It was the consensus of the Building Board to approve as submitted.

3. **Michael Hool, 502 E Willow Rd, proposed additional panels added to existing solar system.** It was the consensus of the Building Board to approve as submitted.

ADJOURN

Motion to adjourn Building Board was made by Brian Tobiczyk. Motion seconded by Lucille Sells. Motion Caried. Building Board adjourned at 5:20 pm.

Respectfully Submitted,

Michael Rakow
Building Inspector
Village of Fox Point

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning

BUILDING PERMIT

Job Address 7405 N Seneca RD	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
patio doors, reframing 2 walls over to 2x6 walls. Adding a new patio door on back side, front side will receive a 30" entry door and a 3' x3' window. Vinyl siding in exposed areas to match siding on second floor. first floor is brick. Laundry plumbing will be added alond with a sink for future use. electrice	
Rehabing existing breezeway. Removing patio Doors. building New 2x6 walls. ADDing A Window and 30" Door To front. New Patio Door To Rear. ADDing utility sink.	
Estimated Cost of Project $ 10,500	

Owner/Occupant	
Business Name Monarch Remodeling. LLc.	Contact Name Carol Eling
Address 7405 N Seneca RD.	City/State/Zip Fox point, WI 53217.
Phone 1-715-579-8203	Email

Cautionary Statement required when homeowner is applying for permit

Contractor	
Company Name Monarch Remodeling LLC	Contact Name Greg Lehfeldt
Address W277 N8967 Monarch Dr	City/State/Zip 53029
Phone 262-506-8194	Email monarchremodelingwi.@gmail.com
Dwelling Contractor # 1154271	Dwelling Contractor Qualifier # 1154272

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition	Garage

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	105.00
Building Board		$75.00	75.00
Footing early start - $230.00 one and two family; $305.00 commercial			
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**		**$**

Applicant Signature _____ **Date** 11/05/2025.

Rev 01/22

ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

Receipt No: 22.000063 Jan 14, 2025

7405 N SENECA RD

Previous Balance: .00
LICENSES & PERMITS
BUILDING PERMIT 105.00

Total: 105.00

==========

LICENSES & PERMITS
BUILDING PLANS - FILING FEE 75.00

Total: 75.00

==========

ONLINE - CREDIT CARD 180.00
Payor:
MONARCH REMODELING
Total Applied: 180.00

Change Tendered: .00

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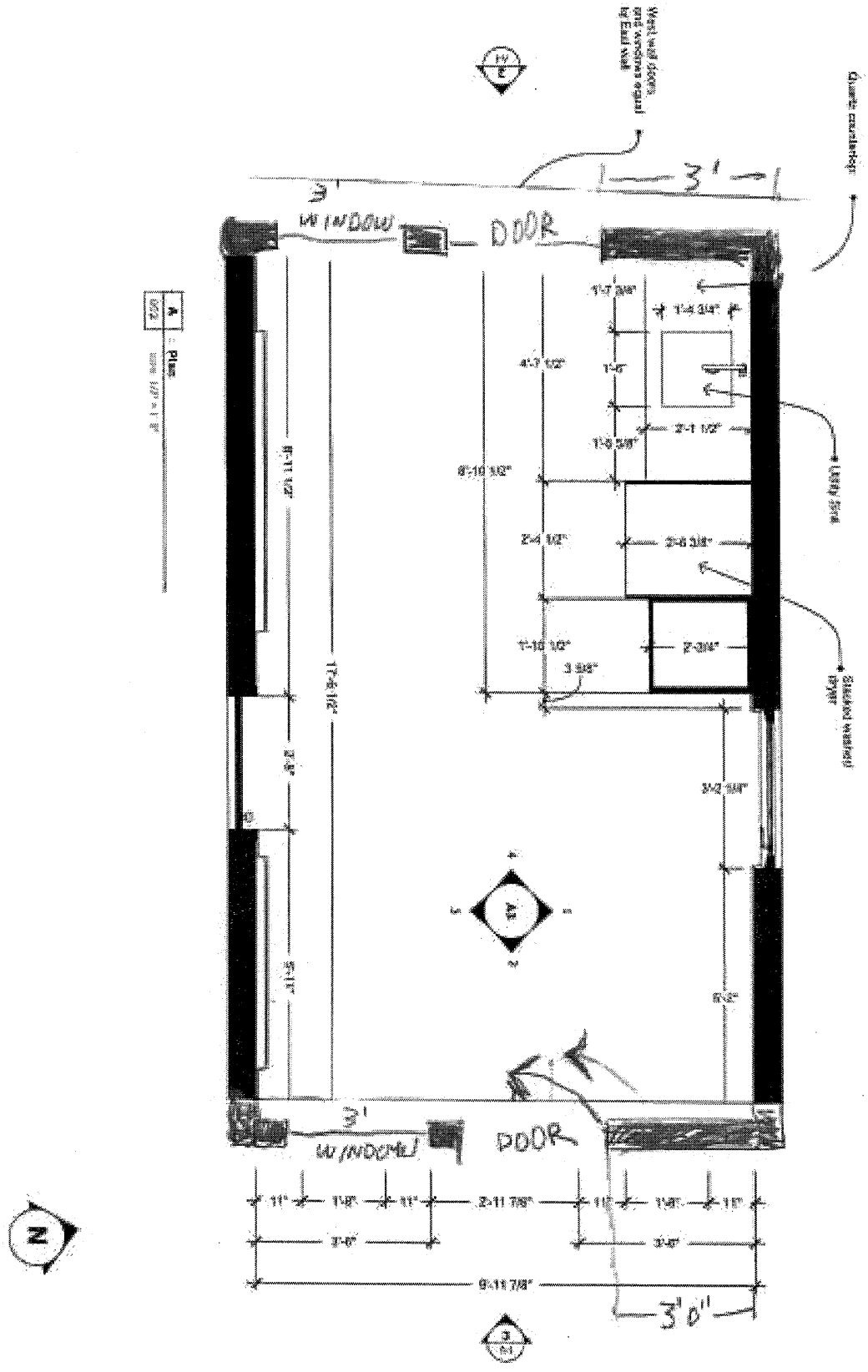
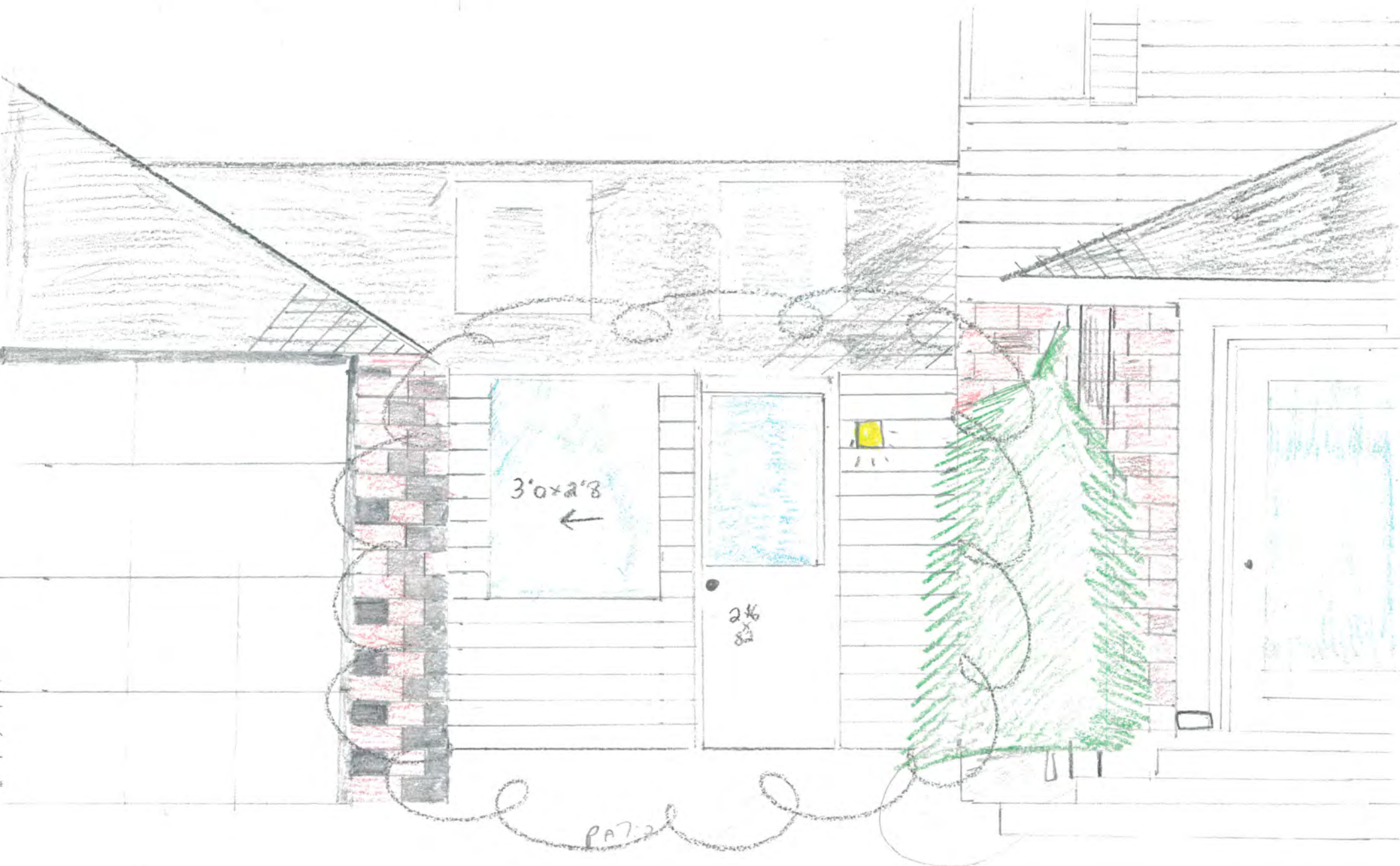
01/14/2025 12:53 PM

VILLAGE OF FOX POINT
7200 N. SANTA MONICA BLVD
FOX POINT WI 53217 414-351-8900



02	DJ	Drawn by: Zach Eling Description: Plan View	Project no.: 2401 Project: Breezeway Renovation	Issue: 11/30/2024 Release: N/A	Client: Tom Eling and Carol Ilse-Eling 7403 N Seneca Rd, Fox Point, WI 53217


3'0×2'8
2'6
8'2
PATIO

6'0x8R
Garage

VILLAGE OF FOX POINT

VILLAGE OF FOX POINT
7200 N Santa Monica Blvd
Fox Point, WI 53217
(414) 247-6622
www.villageoffoxpoint.com

Permit Number:

B- _____

OFFICE USE ONLY
Issued Date
Zoning

BUILDING PERMIT

Job Address 390 E Macarthur Rd	**Building Type:** Residential ☑ Commercial ☐
Description of Work	
Roof mounted solar array	
Estimated Cost of Project $ 18000	

Owner/Occupant Chris Vanderlinden	
Business Name	Contact Name
Address 390 E Macarthur Blvd	City/State/Zip Fox Point, WI 53217
Phone 414 614 1191	Email cvanderlinden@icloud.com

Cautionary Statement required when homeowner is applying for permit*

Contractor	
Company Name Home Team Energy	Contact Name Brian Edwards
Address 3725 N 126th St Ste J	City/State/Zip Brookfield, WI 53005
Phone 262 297 8894	Email brian@hometeamenergy.com
Dwelling Contractor # 052000485	Dwelling Contractor Qualifier # 071900760

Square Footage Under Construction				
1st Floor	2nd Floor	Basement	Addition	Garage

Description		Rate	Amount
Project - Per $1,000 of estimated cost		$10.00	
Building Board		$75.00	75
Footing early start - $230.00 one and two family; $305.00 commercial			
Plan Review - $275.00 one and two family; New Single Family Construction $330.00 plus $30.00/unit commercial			
State Seal		$75.00	
Razing, Interior Demolition $925.00 max/bld	$95.00 minimum plus	$0.13/sqft	
Moving buildings	$250.00 plus	$0.13/sqft	
Fuel tanks - Per 1,000 gallons		$25.00	
Re-inspection		$100.00	
Work started without permit		**Double**	
	Minimum Fee	**$70.00**	
Payable to: Village of Fox Point	**Total Permit Fee**		**$**

Applicant Signature Brian Edwards Digitally signed by Brian Edwards Date: 2025.01.08 11:29:25 -06'00' **Date** 01/08/2025

Rev 01/22

ISSUED PERMITS are available on the Village website under *PERMITS & LICENSES*

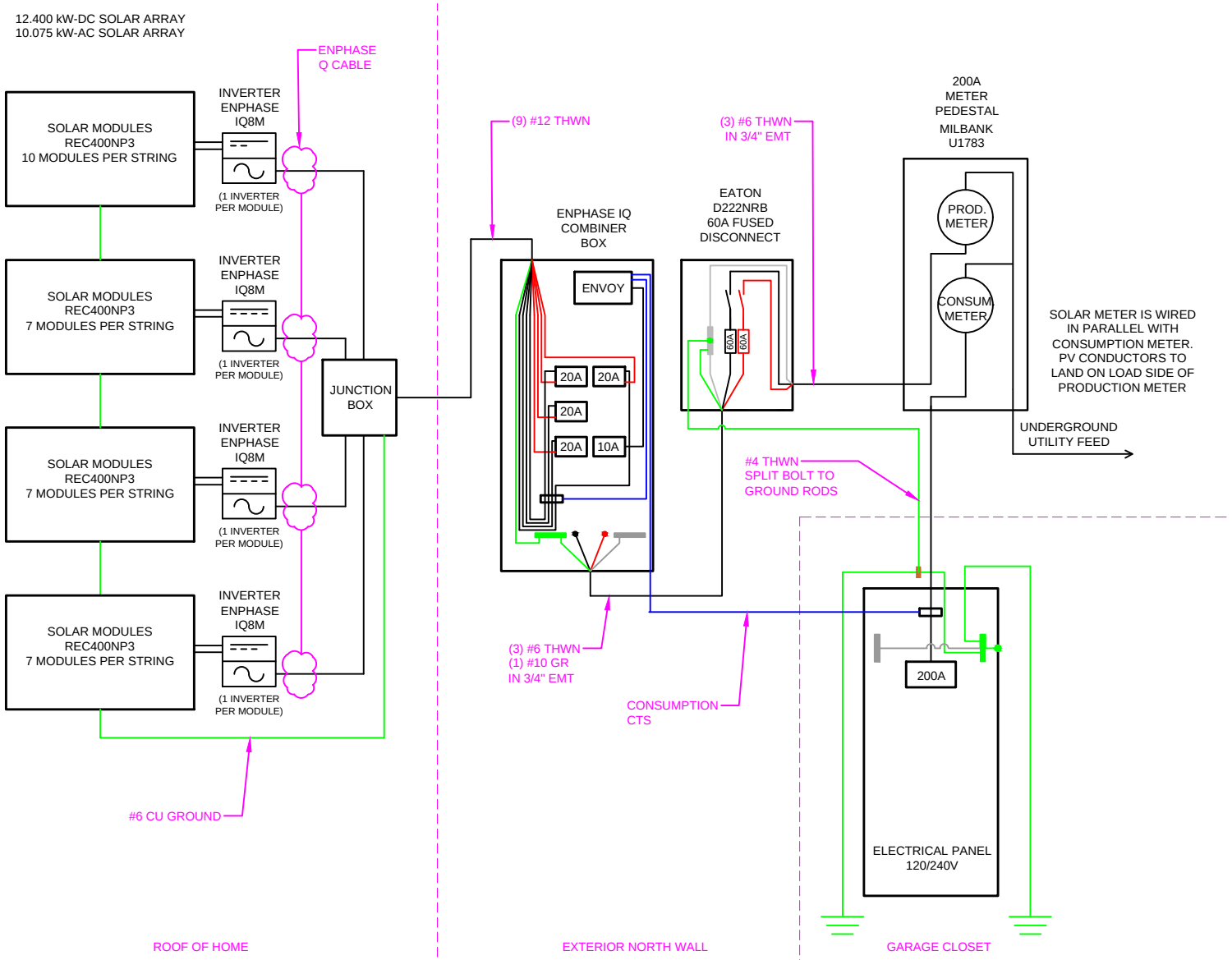
VILLAGE OF FOX POINT
7200 N. SANTA MONICA BLVD
FOX POINT WI 53217 414-351-8900

Receipt No: 1.061061 Jan 17, 2025

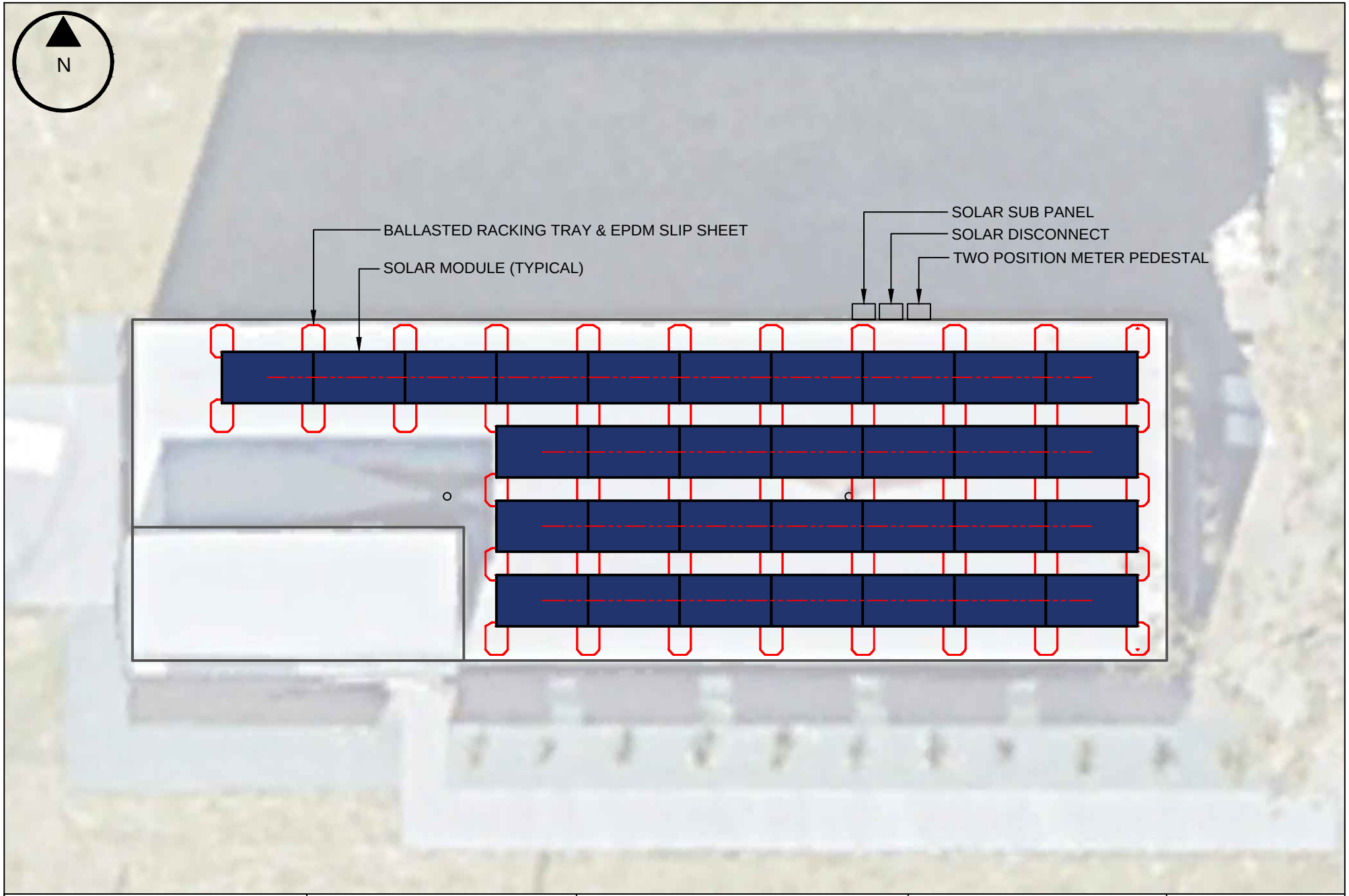
390 E MACARTHUR

Previous Balance:	.00
LICENSES & PERMITS - BUILDING PLANS - FILING FEE 24-44440 BUILDING BOARD - FEE	75.00
Total:	75.00
CHECK Check No: 4006 Payor: HOME TEAM	75.00
Total Applied:	75.00
Change Tendered:	.00

01/17/2025 8:30 AM



Contractor	Owner	Description	Date: 12/19/2024	Sheet
HOME TEAM ENERGY COMPANY 3725 N 126th St., Suite J Brookfield, WI 53005 262-228-8701 HomeTeamEnergy.com	Vanderlinden, Chris 390 East Macarthur Road Fox Point, WI, 53217 (414) 614-1191	Electrical Line Diagram	Scale: N/A Sheet #: 1 of 1 Job #:	PV-2



Solar Contractor	Owner	Description		Sheet
HOME TEAM ENERGY COMPANY 3725 N 126th St., Suite J Brookfield, WI 53005 262-228-8701 HomeTeamEnergy.com	Vanderlinden, Chris 390 East Macarthur Road Fox Point, WI, 53217 (414) 614-1191	Site Plan	Date: 12/19/2024 Scale: N/A Sheet #: 1 of 1 Job #:	PV-1

BARUN CORP

January 7, 2025

RE: CERTIFICATION LETTER

Project Address: ***VANDERLINDEN***
390 East Mac Arthur Road
FOX POINT, WISCONSIN 53217

Design Criteria:

- Applicable Codes = WI Uniform Dwelling Code, 2015 IEBC/IBC, 2015 IRC, ASCE 7-10 and 2015 NDS
- Risk Category = II
- Wind Speed = 115 mph, Exposure Category B, Partially/Fully Enclosed Method
- Ground Snow Load = 30 psf
- Roof 1: 2 x 8 @ 24" OC, Roof DL = 7 psf, Roof LL/SL = 23 psf (Non-PV), Roof LL/SL = 23.1 psf (PV)

To Whom It May Concern,

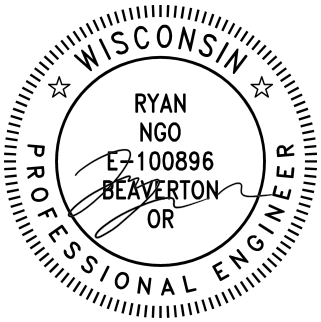
A structural evaluation of loading was conducted for the above address based on the design criteria listed above.

Existing roof structural framing has been reviewed for additional loading due to installation of Solar PV System on the roof. The structural review applies to the sections of roof that is directly supporting the Solar PV System.

Based on this evaluation, I certify that the alteration to the existing structure by installation of the Solar PV System meets the prescriptive compliance requirements of the applicable existing building and/or new building provisions adopted/referenced above.

Additionally, the Solar PV System assembly (including proposed ballast system) has been reviewed to be in accordance with the manufacturer's specifications and to meet and/or exceed the requirements set forth by the referenced codes.

Sincerely,



BARUN CORP	RESULTS SUMMARY
VANDERLINDEN, 390 East Mac Arthur Road, FOX POINT, WISCONSIN 53217	

MOUNTING PLANE STRUCTURAL EVALUATION			
MOUNTING PLANE	**ROOF PITCH**	**RESULT**	**GOVERNING ANALYSIS**
Roof 1	0°	**OK**	MEMBER ANALYSIS

Limits of Scope of Work and Liability:

The existing structure has been reviewed based on the assumption that it has been originally designed and constructed per appropriate codes. The structural analysis of the subject property is based on the provided site survey data. The calculations produced for this structure's assessment are only for the roof framing supporting the proposed PV installation referenced in the stamped planset and were made according to generally recognized structural analysis standards and procedures. All PV modules, racking and attachment components shall be designed and installed per manufacturer's approved guidelines and specifications. These plans are not stamped for water leakage or existing damage to the structural component that was not accessed during the site survey. Prior to commencement of work, the PV system installer should verify that the existing roof and connections are in suitable condition and inspect framing noted on the certification letter and inform the Engineer of Record of any discrepancies prior to installation. The installer should also check for any damages such as water damage, cracked framing, etc. and inform the Engineer of Record of existing deficiencies which are unknown and/or were not observable during the time of survey and have not been included in this scope of work. Any change in the scope of the work shall not be accepted unless such change, addition, or deletion is approved in advance and in writing by the Engineer of Record. The Engineer of Record and Barun Corp claim no responsibility for misuse and improper installation.

BARUN CORP	LOAD CALCULATION
	Roof 1
VANDERLINDEN, 390 East Mac Arthur Road, FOX POINT, WISCONSIN 53217	

PV PANELS DEAD LOAD (PV-DL)	
Total PV Panel weight inclusing Ballast	**PV-DL = 8.00 psf**

ROOF DEAD LOAD (R-DL)			
Existing Roofing Material Weight	Rolled Composite Roof	1 Layer(s)	= 1.50 psf
Underlayment Weight			= 0.50 psf
Plywood/OSB Sheathing Weight			= 1.50 psf
Framing Weight	2 x 8 @ 24 in. O.C.		= 1.51 psf
No Vaulted Ceiling			= 0.00 psf
Miscellaneous			= 1.50 psf
Total Roof Dead Load			**R-DL = 6.50 psf**

REDUCED ROOF LIVE LOAD (Lr)	
Roof Live Load	Lo = 20.00 psf
Member Tributary Area	At < 200 ft^2
Roof 1 Pitch	0° or 0/12
Tributary Area Reduction Factor	R1 = 1.00
Roof Slope Reduction Factor	R2 = 1.00
Reduced Roof Live Load, Lr = Lo (R1) (R2)	**Lr = 20.00 psf**

SNOW LOAD	
Ground Snow Load	pg = 30.00 psf
Effective Roof Slope	0°
Snow Importance Factor	Is = 1.00
Snow Exposure Factor	Ce = 1.00
Snow Thermal Factor	Ct = 1.10
Minimum Flat Roof Snow Load	pf-min = 20.00 psf
Flat Roof Snow Load	**pf = 23.10 psf**

SLOPED ROOF SNOW LOAD ON ROOF (Non-Slippery Surfaces)	
Roof Slope Factor	Cs-roof = 1.00
Sloped Roof Snow Load on Roof	**ps-roof = 23.10 psf**

SLOPED ROOF SNOW LOAD ON PV PANELS (Unobstructed Slippery Surfaces)	
Roof Slope Factor	Cs-PV = 1.00
Sloped Roof Snow Load on PV Panels	**ps-PV = 23.10 psf**

WoodWorks® SOFTWARE FOR WOOD DESIGN	COMPANY	PROJECT
	Jan. 7, 2025 06:46	Roof 1

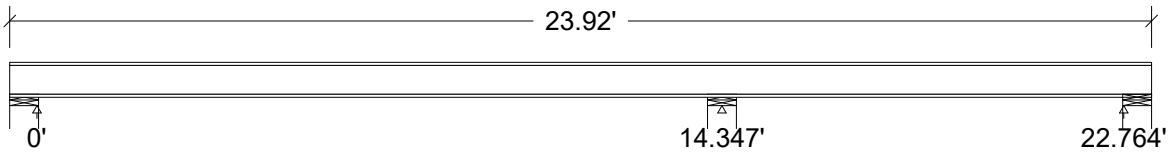
Design Check Calculation Sheet

WoodWorks Sizer

Loads:

Load	Type	Distribution	Pat-tern	Location [ft] Start	End	Magnitude Start	End	Unit
R-DL	Dead	Full Area	No			6.50(24.0")		psf
PV-DL	Dead	Full Area	No			8.00(24.0")		psf
Ps	Snow	Full Area	No			23.10(24.0")		psf

Maximum Reactions (lbs), Bearing Capacities (lbs) and Bearing Lengths (in) :



Unfactored:					
Dead	185		437		72
Snow	295		696		114
Factored:					
Total	480		1132		186
Bearing:					
Capacity					
Joist	4622		4622		4622
Support	4622		4622		4622
Des ratio					
Joist	0.10		0.24		0.04
Support	0.10		0.24		0.04
Load comb	#2		#2		#2
Length	7.25		7.25		7.25
Min req'd	0.75		1.78**		0.50*
Cb	1.00		1.00		1.00
Cb min	1.00		1.21		1.00
Cb support	-		-		-
Fcp sup	425		425		425

*Minimum bearing length setting used: 1/2" for end supports

**Minimum bearing length governed by the required width of the supporting member.

Bearing for wall supports is perpendicular-to-grain bearing on top plate. No stud design included.

Lumber-soft, S-P-F, No.1/No.2, 2x8 (1-1/2"x7-1/4")

Supports: All - Lumber Stud Wall, S-P-F Stud

Roof joist spaced at 24.0" c/c; Total length: 23.94'; Clear span: 14.0', 8.063'; Volume = 1.8 cu.ft.

Lateral support: top = continuous, bottom = continuous Repetitive factor: applied where permitted (refer to online help);

This section PASSES the design code check.

WARNING: Member length exceeds typical stock length of 18.0 ft

Analysis vs. Allowable Stress and Deflection using NDS 2018 :

Criterion	Analysis Value	Design Value	Unit	Analysis/Design
Shear	fv = 79	Fv' = 155	psi	fv/Fv' = 0.51
Bending(+)	fb = 1161	Fb' = 1389	psi	fb/Fb' = 0.84
Bending(-)	fb = 1338	Fb' = 1389	psi	fb/Fb' = 0.96
Dead Defl'n	0.23 = L/751			
Live Defl'n	0.37 = L/471	0.72 = L/240	in	0.51
Total Defl'n	0.59 = L/289	0.96 = L/180	in	0.62

Additional Data:

FACTORS:	F/E(psi)	CD	CM	Ct	CL	CF	Cfu	Cr	Cfrt	Ci	LC#
Fv'	135	1.15	1.00	1.00	-	-	-	-	1.00	1.00	2
Fb'+	875	1.15	1.00	1.00	1.000	1.200	-	1.15	1.00	1.00	2
Fb'-	875	1.15	1.00	1.00	1.000	1.200	-	1.15	1.00	1.00	2
Fcp'	425	-	1.00	1.00	-	-	-	-	1.00	1.00	-
E'	1.4 million		1.00	1.00	-	-	-	-	1.00	1.00	2
Emin'	0.51 million		1.00	1.00	-	-	-	-	1.00	1.00	2

CRITICAL LOAD COMBINATIONS:

```
 Shear     : LC #2  = D + S
 Bending(+): LC #2  = D + S
 Bending(-): LC #2  = D + S
 Deflection: LC #2  = D + S  (live)
             LC #2  = D + S  (total)
 Bearing   : Support 1 - LC #2 = D + S
             Support 2 - LC #2 = D + S
             Support 3 - LC #2 = D + S
 Load Types: D=dead S=snow
 Load combinations: ASD Basic from ASCE 7-16 2.4; all LC's listed in the Analysis report
```

CALCULATIONS:

```
 V max = 642, V design = 575 (NDS 3.4.3.1(a)) lbs
 M(+) = 1271 lbs-ft; M(-) = 1466 lbs-ft
 EI = 66.69e06 lb-in^2
 "Live" deflection is due to all non-dead loads (live, wind, snow…)
 Total deflection = 1.00 permanent + "live"
```

Design Notes:

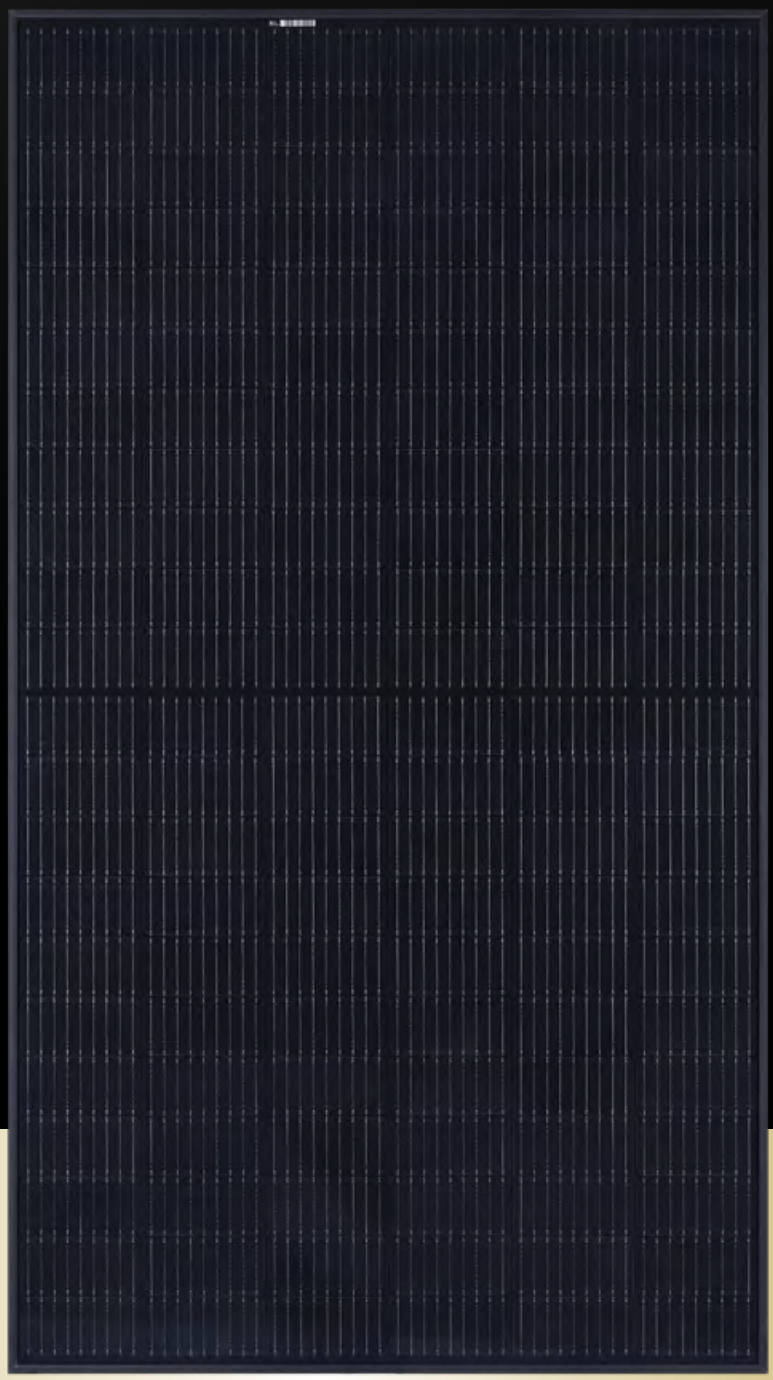
1. Analysis and design are in accordance with the ICC International Building Code (IBC 2021) and the National Design Specification (NDS 2018), using Allowable Stress Design (ASD). Design values are from the NDS Supplement.
2. Please verify that the default deflection limits are appropriate for your application.
3. Continuous or Cantilevered Beams: NDS Clause 4.2.5.5 requires that normal grading provisions be extended to the middle 2/3 of 2 span beams and to the full length of cantilevers and other spans.
4. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.

SOLAR'S MOST TRUSTED

REC

REC N-PEAK 3 BLACK SERIES

PREMIUM FULL BLACK MONO N-TYPE SOLAR PANELS



MONO N-TYPE: THE MOST EFFICIENT C-SI TECHNOLOGY

NO LIGHT INDUCED DEGRADATION

SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD

FLEXIBLE INSTALLATION OPTIONS

FEATURING REC'S PIONEERING TWIN DESIGN

BIFACIAL CELLS CAN PRODUCE ENERGY FROM BOTH SIDES

400
WP
POWER

PRODUCT
REC
25 YEAR
PROTRUST
WARRANTY
PERFORMANCE
LABOR

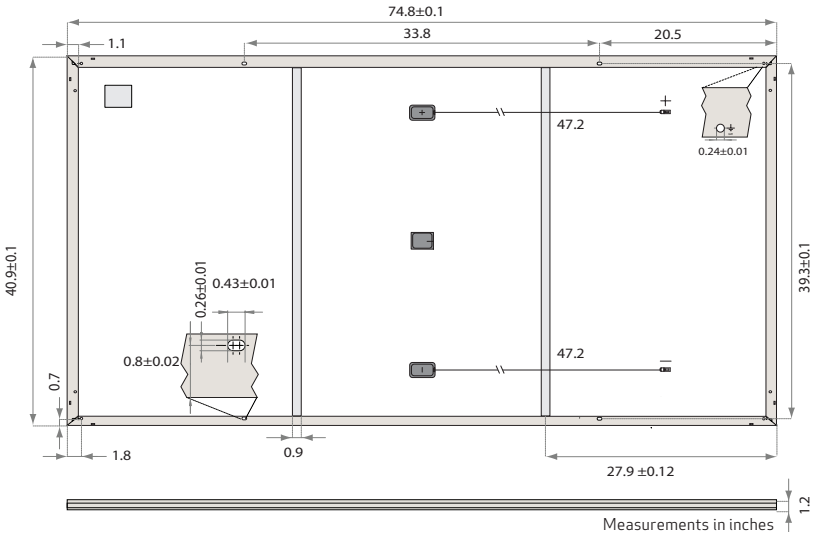
ELIGIBLE

REC
SOLAR'S MOST TRUSTED

REC N-PEAK 3 BLACK SERIES
PRODUCT SPECIFICATIONS

GENERAL DATA

Cell type:	132 half-cut mono c-Si n-type cells 6 strings of 22 cells in series
Glass:	0.13 in solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer (black)
Frame:	Anodized aluminum (black) with silver support bars
Junction box:	3-part, 3 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (12 AWG) in accordance with IEC 62852, IP68 only when connected
Cable:	12 AWG PV wire, 47.2 + 47.2 in in accordance with EN 50618
Dimensions:	74.8 x 40.9 x 1.2 in (19.7 sq-ft)
Weight:	48.0 lbs
Origin:	Made in Singapore



Measurements in inches

ELECTRICAL DATA — Product Code*: RECxxxNP3 Black

STC		
Power Output - P_{MAX} (Wp)	390	400
Watt Class Sorting - (W)	0/+10	0/+10
Nominal Power Voltage - V_{MPP} (V)	36.8	37.6
Nominal Power Current - I_{MPP} (A)	10.60	10.64
Open Circuit Voltage - V_{OC} (V)	44.8	45.0
Short Circuit Current - I_{SC} (A)	11.31	11.39
Panel Efficiency (%)	19.5	20.3
NMOT		
Power Output - P_{MAX} (Wp)	295	302
Nominal Power Voltage - V_{MPP} (V)	34.4	35.2
Nominal Power Current - I_{MPP} (A)	8.56	8.59
Open Circuit Voltage - V_{OC} (V)	41.9	42.1
Short Circuit Current - I_{SC} (A)	9.13	9.20

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of P_{MAX}, V_{OC} & I_{SC} ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s). * Where xxx indicates the nominal power class (P_{MAX}) at STC above.

CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730	
IEC 62804	PID
IEC 61701	Salt Mist
IEC 62716	Ammonia Resistance
UL 61730	Fire Type Class 2
UL 790	Fire Class Type C
IEC 62782	Dynamic Mechanical Load
IEC 61215-2:2016	Hailstone (1.37in)

ISO 14001, ISO 9001, IEC 45001, IEC 62941

TEMPERATURE RATINGS*

Nominal Module Operating Temperature:	44.3°C (±2°C)
Temperature coefficient of P_{MAX}:	-0.34 %/°C
Temperature coefficient of V_{OC}:	-0.26 %/°C
Temperature coefficient of I_{SC}:	0.04 %/°C

*The temperature coefficients stated are linear values

MAXIMUM RATINGS

Operational temperature:	-40 ... +185°F
Maximum system voltage:	1000 V
Maximum test load (front):	+7000 Pa (146 lbs/sq-ft)*
Maximum test load (rear):	-4000 Pa (83.5 lbs/sq-ft)*
Max series fuse rating:	25 A
Max reverse current:	25 A

*See installation manual for mounting instructions.
Design load = Test load / 1.5 (safety factor)

WARRANTY

	Standard	REC ProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	All	≤25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

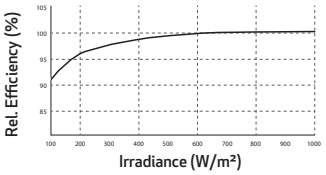
The REC ProTrust Warranty is only available on panels purchased through an REC Certified Solar Professional installer. Warranty conditions apply. See www.recgroup.com for more details.

DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792 (24 pallets)
Panels per 53 ft truck:	TBD

LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Available from:

Specifications subject to change without notice.

Ref: Rev 1.1 - 11.22

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