

Approved
4/14/2025

Record Detail * (This section is required.)

Permit Type Building/Residential/Misc/Solar Panel	Permit Number B25001413	Opened Date 04/13/2025
Description of Work SFD/ INSTALL (70) GROUND MOUNT SOLAR PANELS		

Online BP.
g 4/14/25

[check spelling](#)

Address * (This section is required.)

Search Reset Clear Get Parcel & Owner

Street # 14021	Street Name COOPERS	Street Type LN
Unit Type -Select-	Unit #	X Coordinate -77.00274
		Y Coordinate 39.28991
City WEST FRIENDSHIP	State MD	Zip Code 21794
		Primary Yes

Parcel * (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID * 916425	Parcel 233	Parcel Area 2.73	Land Value 242300	Improved Value 744300	Exemption Value 485600	Plan Area RURAL
Legal Description LOT 14 2.737 AR []14021 COOPERS LN []ROVER MILL ESTATE						

[check spelling](#)

Block 14	Lot 14	Census Tract 605601	Council Dist 5	Inspection Dist	Supervisor Dist	Map #	DAP Zone
Plan Area	State Tax Id 1404337948	Subdivision Name ROVER MILL ESTATE					
Section	Area	Tax Map 14					
Grid 14-24	Zoning District RR-DEO	ADC Map 4812-K4					
SDP No.	Final Plan No.	WP File No.					
Record Plat No. 3216	WS Contract No.	FDP No.	Primary Yes				
Owner Occupied <input type="radio"/> Yes <input type="radio"/> No	Year Built 1983	Historic District <input type="radio"/> Yes <input checked="" type="radio"/> No					
Historic District Registry No.	Stat Area 4-06	Flood Plain <input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner * (This section is required.)

Search Reset Clear

Name *
INZAN,
Address Line 1
14021 Coopers Ln
Address Line 2

Address Line 3

Mail City

WEST FRIENDSHIP

Mail State

MD

Mail Zip Code

21794

Phone

610-207-4029

Primary

Yes

E-mail

Ctinzana@gmail.com

Cell Number

Fax Number

Professionals (This section is required.)

License #

0

License Type

Property Owner

Primary

Yes

Business Name

PROPERTY OWNER TO ACT AS CONTRACTOR

First Name

CHRIS

Middle Name

Last Name

INZANA

Address Line 1

Address Line 2

City

State

ZIP Code

Phone 1

Phone 2

Fax

E-mail

Applicant (This section is required.)

Search

As Owner

As Lic. Prof

As Contact

Type

Applicant

Relationship

Applicant

Primary

Yes

First Name

Chris

MI

Last Name

Inzana

Full Name

INZANA CHRISTOPHER THOMAS

Organization Name

INZANA CHRISTOPHER THOMAS

Street Address

14021 COOPERS LN

Address Line 2

14021 Coopers Ln

City

WEST FRIENDSHIP

State

MD

Zip Code

21794

Phone

610-207-4029

Cell

Fax

E-mail

ctinzana@gmail.com

Addtl Info

Est Construction Cost

60000

Housing Units

0

Number of Buildings

0

Public Owned

No

Construction Type

434 - Additions, Alterations and Conversions - Residential

RESIDENTIAL SOLAR PANEL INFO

SOLAR PANEL INFORMATION

Capital Project-No Fee

Yes No

Type of Installation

Solar Collector - Ground Mount

Number of Panels

70

Water Supply

(Number) Private

Sewage Disposal

Private

Expiration Date

10/11/2025

Existing Use

SFD

Sprinkler System

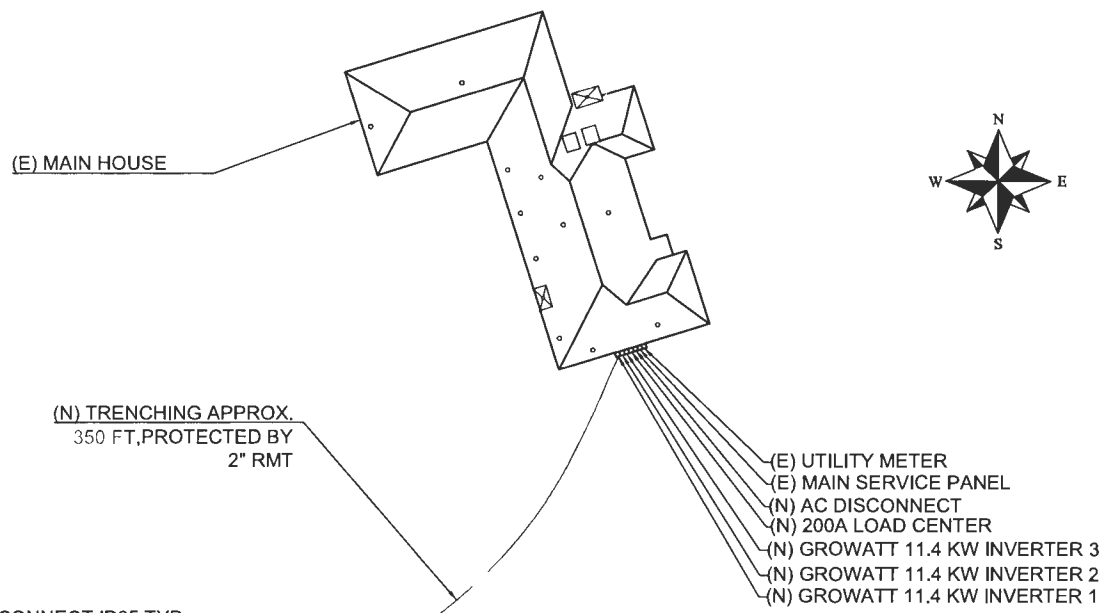
Yes No

PAYMENT INFORMATION

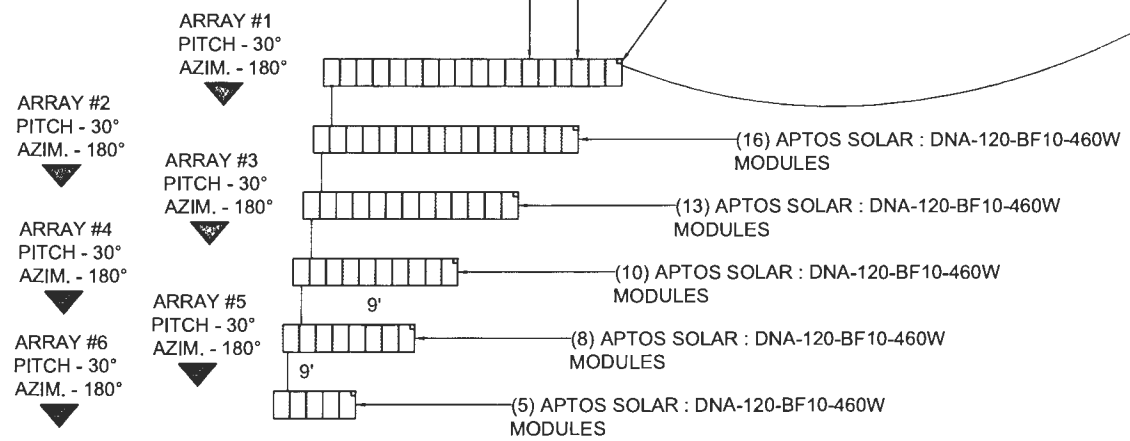
MODULE TYPE, DIMENSION & WEIGHT

NUMBER OF MODULES = (70) MODULES
 MODULE TYPE = APTOS SOLAR : DNA-120-BF10-460W MODULES
 MODULE WEIGHT = 50.2 LBS
 MODULE DIMENSIONS = 75.1" X 44.6" X 1.3"

MODULES						
ARRAY	A	B	C	D	E	
AZIMUTH	180°	180°	180°	180°	180°	180°
TILT	30°	30°	30°	30°	30°	30°
# OF MODULES	5	8	8	10	16	18



(18) APTOS SOLAR : DNA-120-BF10-460W MODULES
 1629.00 SQFT
 IS THE TOTAL AREA OF ALL SOLAR PANELS
 AND 2350 SQFT IS THE MAXIMUM AREA THE
 SOLAR ARRAY WILL TAKE INCLUDING
 DISTANCE BETWEEN RACKS.



NOTES :
 RACK HEIGHT WITH SOLAR PANEL INCLUDED WILL BE ~3.5 FEET.
 RACK LENGTH WITH SOLAR PANEL INCLUDED WILL BE ~5.5 FEET.
 ALL PANELS FACE DUE SOUTH .
 ARRAYS WILL BE AT 30-DEGREE INCLINE.
 6 DC DISCONNECT WILL BE CONNECTED WITH EACH SIX STRING.

SCALE: 1/16" = 1'-0"

INZANA SOLAR
 OWNER/BUILDER
 14021 COOPERS LN
 WEST FRIENDSHIP, MD 21794

11"X17"

Designed by
 SALMAN

Date
 10-Apr-25

MODULE
 LAYOUT

Drawing
 PV-2

PROJECT DESCRIPTION:

(70) APTOS SOLAR : DNA-120-BF10-460W MODULES
 GROUND MOUNTED SOLAR PHOTOVOLTAIC MODULES
 DC SYSTEM SIZE : 32.20 kW
 AC SYSTEM SIZE : 34.2 KW

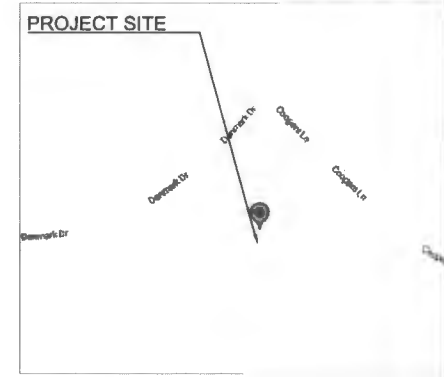
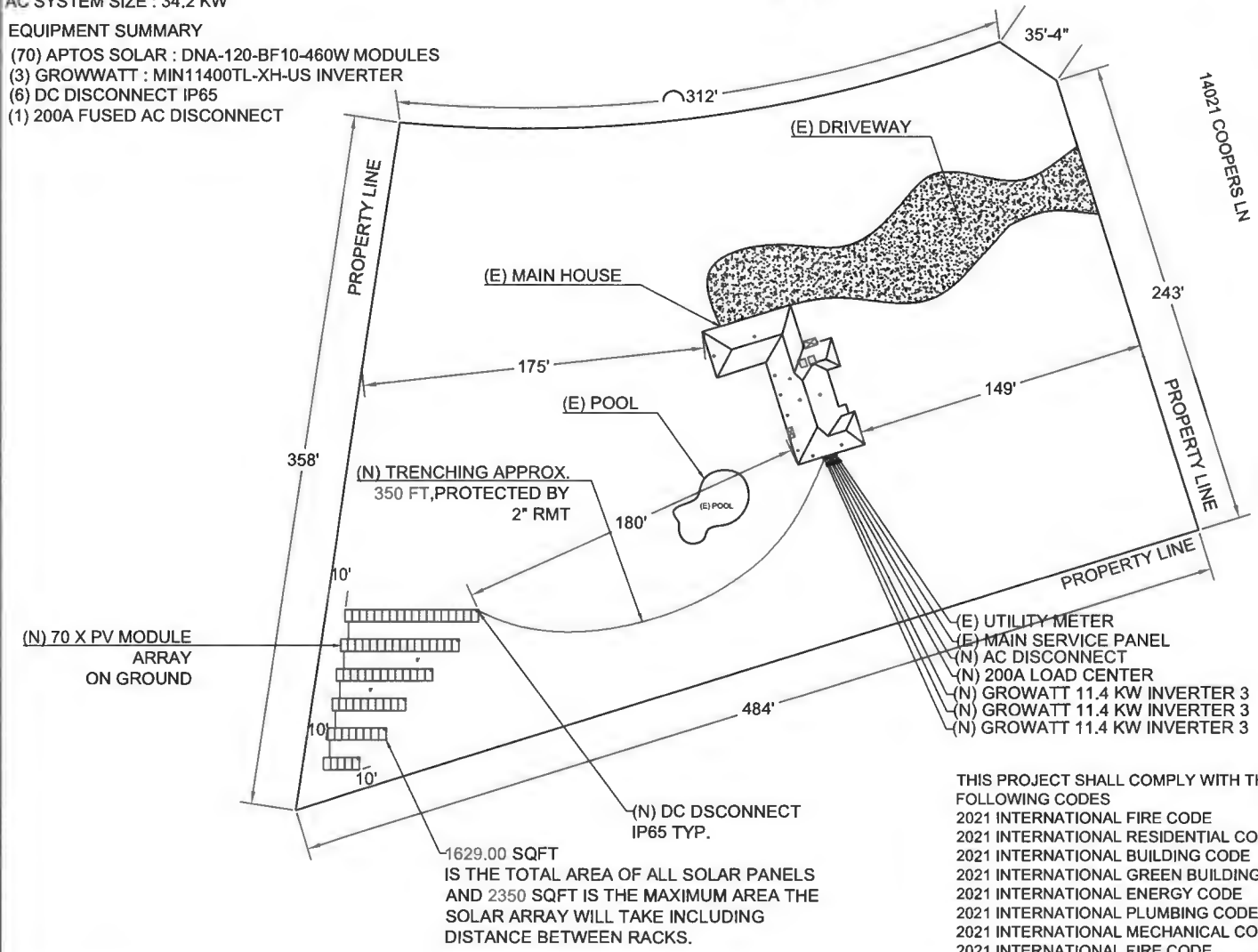
EQUIPMENT SUMMARY

(70) APTOS SOLAR : DNA-120-BF10-460W MODULES
 (3) GROWWATT : MIN11400TL-XH-US INVERTER
 (6) DC DISCONNECT IP65
 (1) 200A FUSED AC DISCONNECT

*Approved P25001415
 P/E 4/11/21*



1 | HOUSE PHOTO



2 | VICINITY MAP

SHEET NO	DRAWING INFO
PV-1	PLOT PLAN WITH VICINITY MAP
PV-2	MODULE LAYOUT
PV-3	ATTACHMENT
PV-4	WIRING
PV-5	PLACARD
PV-6	DATASHEETS

LEGEND	
—	ROOF OUTLINE
⊞	ROOF VENT/MECHANICAL
☐	SOLAR MODULE (89.5"X44.6")
⊞	PV STAND-OFF/PENETRATION
—	CONDUIT RUN

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES
 2021 INTERNATIONAL FIRE CODE
 2021 INTERNATIONAL RESIDENTIAL CODE
 2021 INTERNATIONAL BUILDING CODE
 2021 INTERNATIONAL GREEN BUILDING STANDARDS CODE
 2021 INTERNATIONAL ENERGY CODE
 2021 INTERNATIONAL PLUMBING CODE
 2021 INTERNATIONAL MECHANICAL CODE
 2021 INTERNATIONAL FIRE CODE
 2020 NATIONAL ELECTRICAL CODE
 ALL OTHER ORDINANCES ADOPTED BY THE CITY OF LOCAL GOVERNING MUNICIPAL CODE & FIRE DEPARTMENT.

SCALE: 1/32" = 1'-0"

INZANA SOLAR
 OWNER/BUILDER
 14021 COOPERS LN
 WEST FRIENDSHIP, MD 21794

11"X17"

Designed by
 SALMAN

Date
 10-Apr-25

PLOT PLAN

Drawing
 PV-1