ARCHITECTURAL & PRELIMINARY SITE PLAN REVIEW BOARD

MICHAEL F. LONGOBARDI – VILLAGE TRUSTEE LIAISON
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ROGER KUEHNLENZ
EDWARD CHATTERTON

RENEE MARCUS, AIA – SUPERINTENDENT OF BUILDINGS
LUCILLE LANGONE – SECRETARY

APRIL 26, 2023
8:00 pm
Note Location: Village Hall – Fire Fighters Hall, 2nd Floor

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
1	8:00 p.m.	49	Hinsdale Avenue	Solar	Michael Pallisco	Venture Solar
2	8:05 p.m.	14	Whitney Avenue	Solar	James Kadavunkal	EmPower Solar
3	8:10 p.m.	206	Beech Street	Solar	Sofia Gonzales	Momentum Solar
4	8:15 p.m.	462	Carnation Avenue	Solar	Reudel Diaz	Momentum Solar
5	8:20 p.m.	93	Bellmore Street	Two Story Addition and Renovations	Lisa Burleigh	Demetris Demetriou, RA
6	8:25 p.m.	215	Cypress Street	Awning over Rear Stoop	Raimonda and Saimir Kryeziu	
7	8:30 p.m.	11	Primrose Avenue	Two Story Addition	Juan Caban	Nicholas Feihel, RA
8	8:35 p.m.	48-54	Woodbine Court	Awnings and Two Signs	Amanpreet Gill	Dezant Signs Inc.
9	8:40 p.m.	299	Jericho Turnpike	Re-submission Sign	Jericho Estates Group LLC	Dezant Signs Inc.
10	8:45 p.m.	194	Jericho Turnpike	Re-submission Sign	Sadiqur Rahman	Dezant Signs Inc.
11	8:50 p.m.	23	Covert Avenue	Sign	Kim Namsoo	Image Tech

Questions about the projects can be emailed to ARB@FPVillage.org prior to the meeting to allow for the Village and Applicant to be prepared with answers.

Supporting documents will be posted to the Architectural Review Board web page at least 24 hours prior to the meeting.

Click here for the ARB webpage.

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
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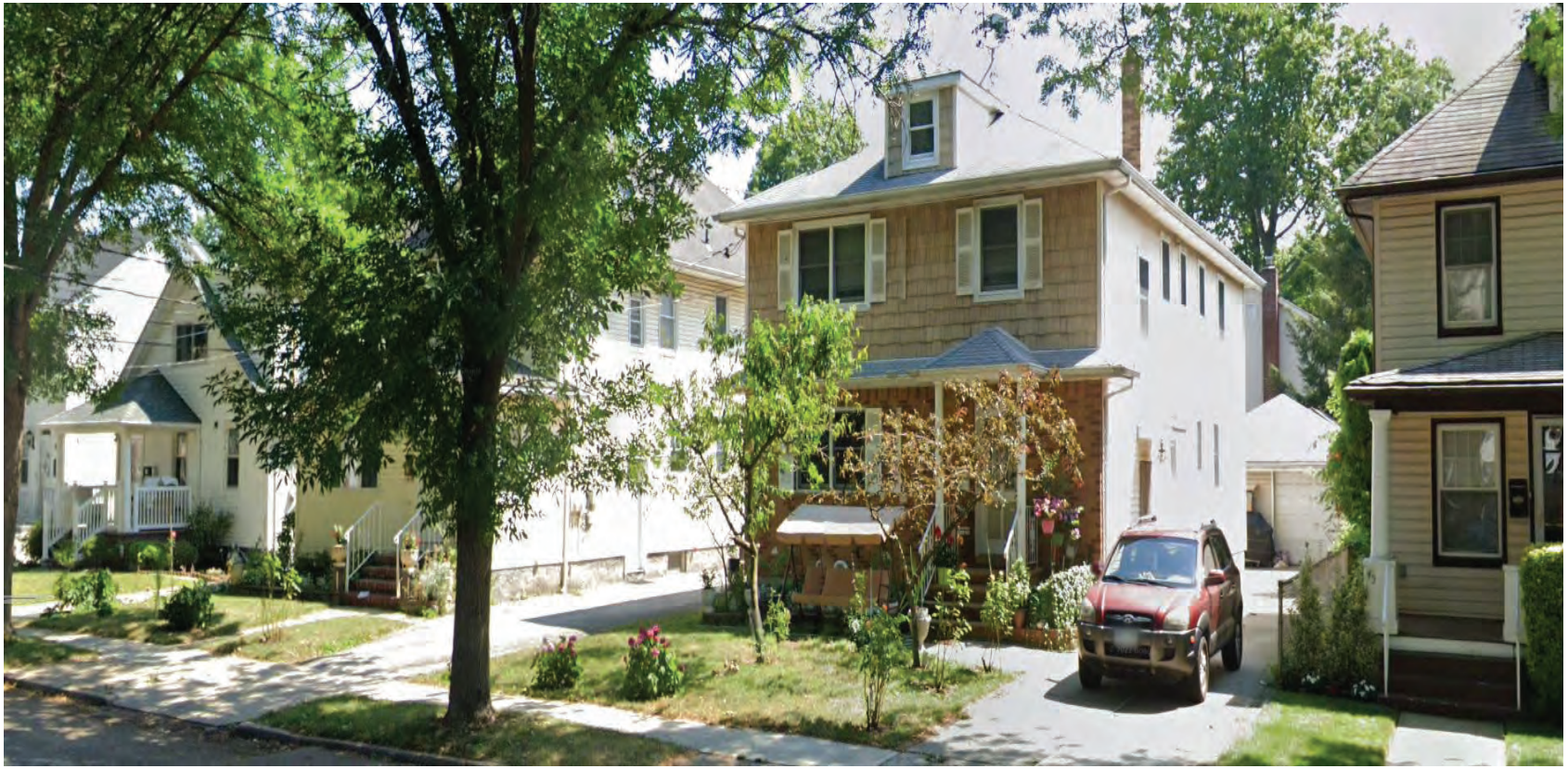
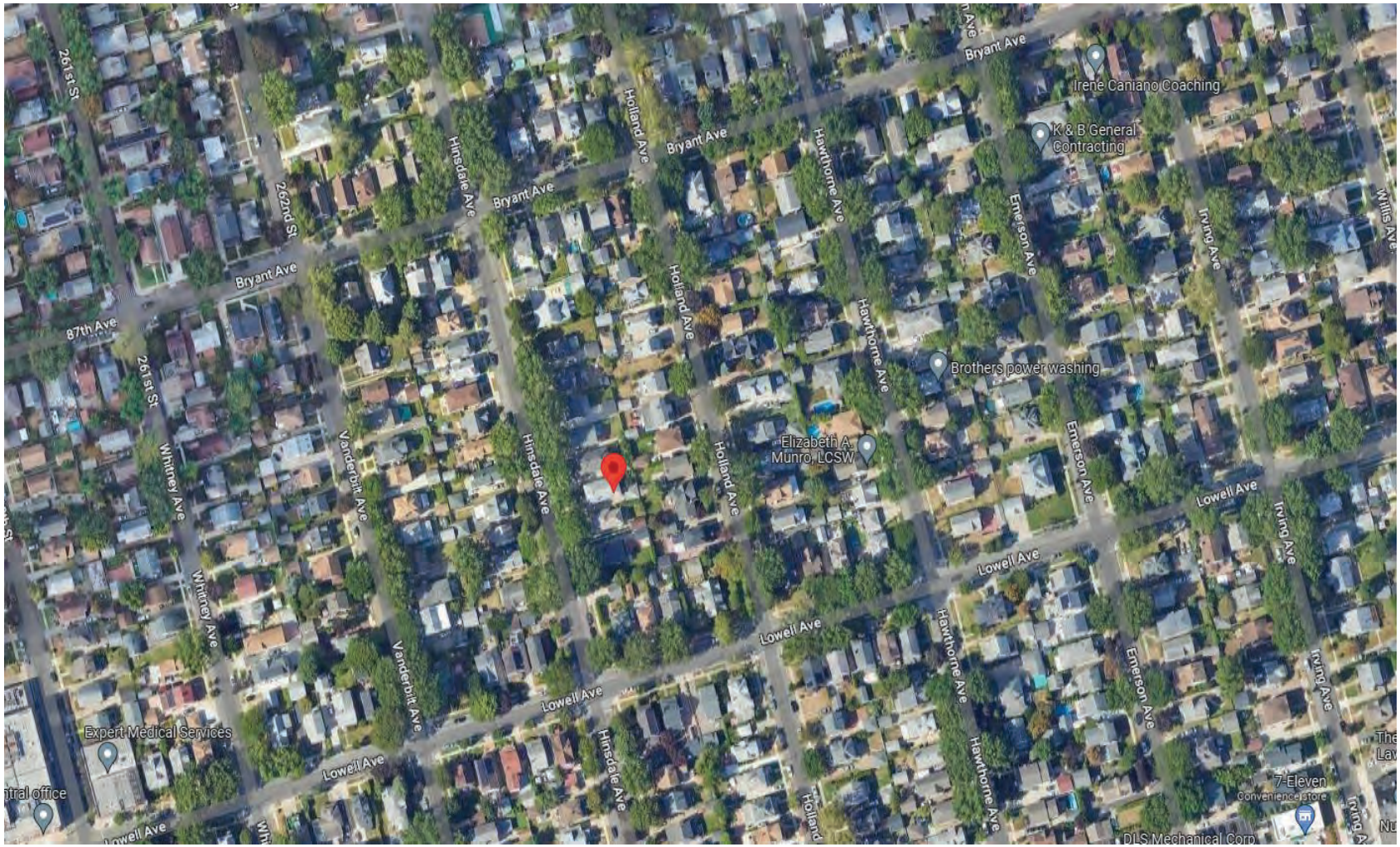
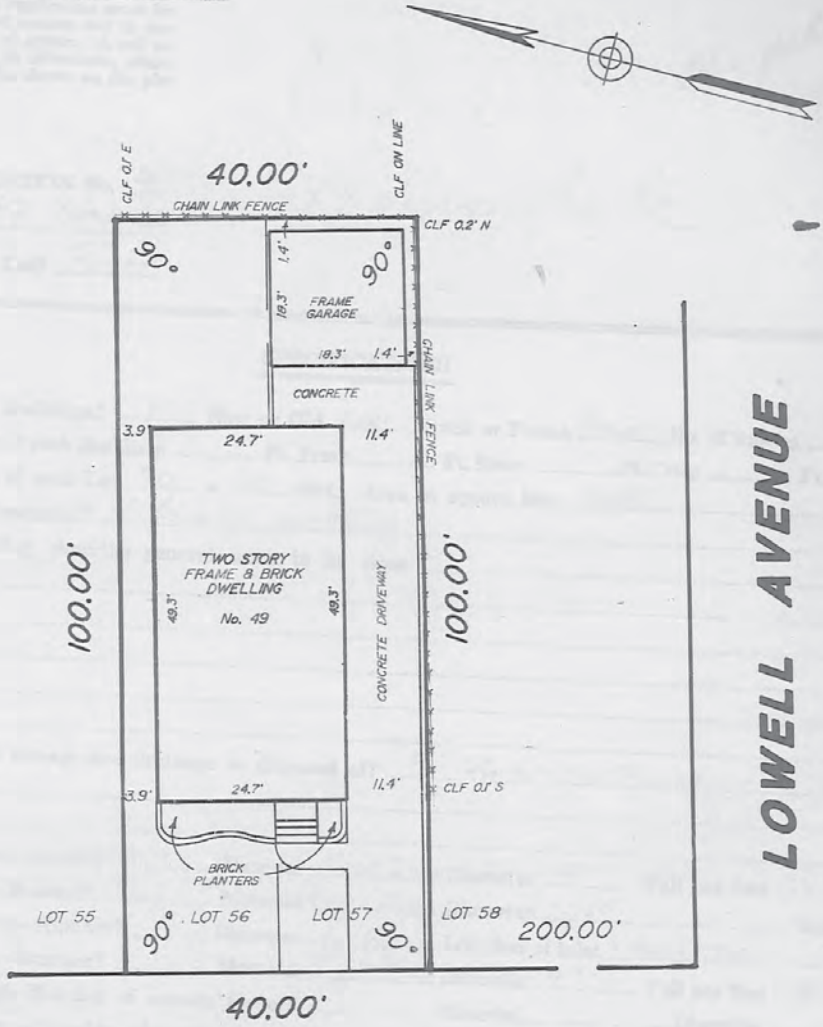


49 Hinsdale Avenue (Aerial View)



N.C.T.M. SECT 8 BLK 71 LOTS



BLOCK 21 LOTS 56 & 57
MAP OF

FLORAL PARK HOMES

SECTION A

FLORAL PARK, TOWN OF NORTH HEMPSTEAD
NASSAU COUNTY, NEW YORK
BOROUGH AND COUNTY OF QUEENS, NEW YORK
FILED IN NASSAU COUNTY: MAY 8, 1906
MAP #53 NEW #388

THE OFFSETS SHOWN HEREON FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF FENCES, RETAINING WALLS, ADDITION TO BUILDINGS AND OTHER CONSTRUCTION.

ALBERT W. TAY
LAND SURVEYOR
P.O. BOX 312 PLAINVIEW, N.Y. 11803
TEL. (516) 433-3725 FAX. (516) 433-0409

STATE OF NEW YORK
ALBERT W. TAY
35618
LICENSED LAND SURVEYOR

STAKED OUT: APRIL 16, 1991
FOUNDATION LOCATION: MAY 3, 1991
CERTIFICATE OF OCCUPANCY SURVEY: AUGUST 12, 1991

MEASUREMENTS U.S. STANDARD SCALE 1" = 20'

CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY, AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYORS SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

49 Hinsdale Ave


49 HINSDALE
49 Hinsdale Ave, Floral...
40.73°N, 73.70°W
© 2022 Google


<- 49 HINSDALE

49 HINSDALE

venture solar

67 West St, Brooklyn, NY 11222
www.venturehomesolar.com
(800) 203-4158

SOLAR ELECTRIC GENERATION INSTALLATION ON EXISTING RESIDENCE:

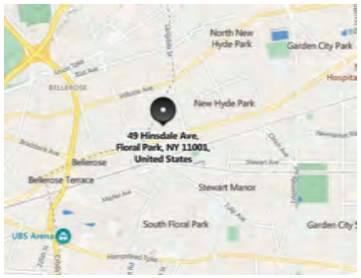
49 Hinsdale Av | Floral Park, NY 11001-1503 USA

49 Hinsdale Av	Floral Park, NY 11001-1503 USA
Egidio Pallisco Santa's Residence	
Solar Panels: (31) Hanwha Q-Cell Q.PEAK DUO BLK ML-G10+ 400 Modules	
Inverters: (31) IQ8PLUS-72-2-US Micro-Inverters	
Solar System DC Size: 12.40KW AC Size: 8.99KW	
Solar Annual Production : 13,520 KWH	
Designed By: UNIRAC	
Date: 03/27/2023	

Revision #	Approval Date	Description

AERIAL SITE VIEW

MAP OF BLOCK DISTRICTS



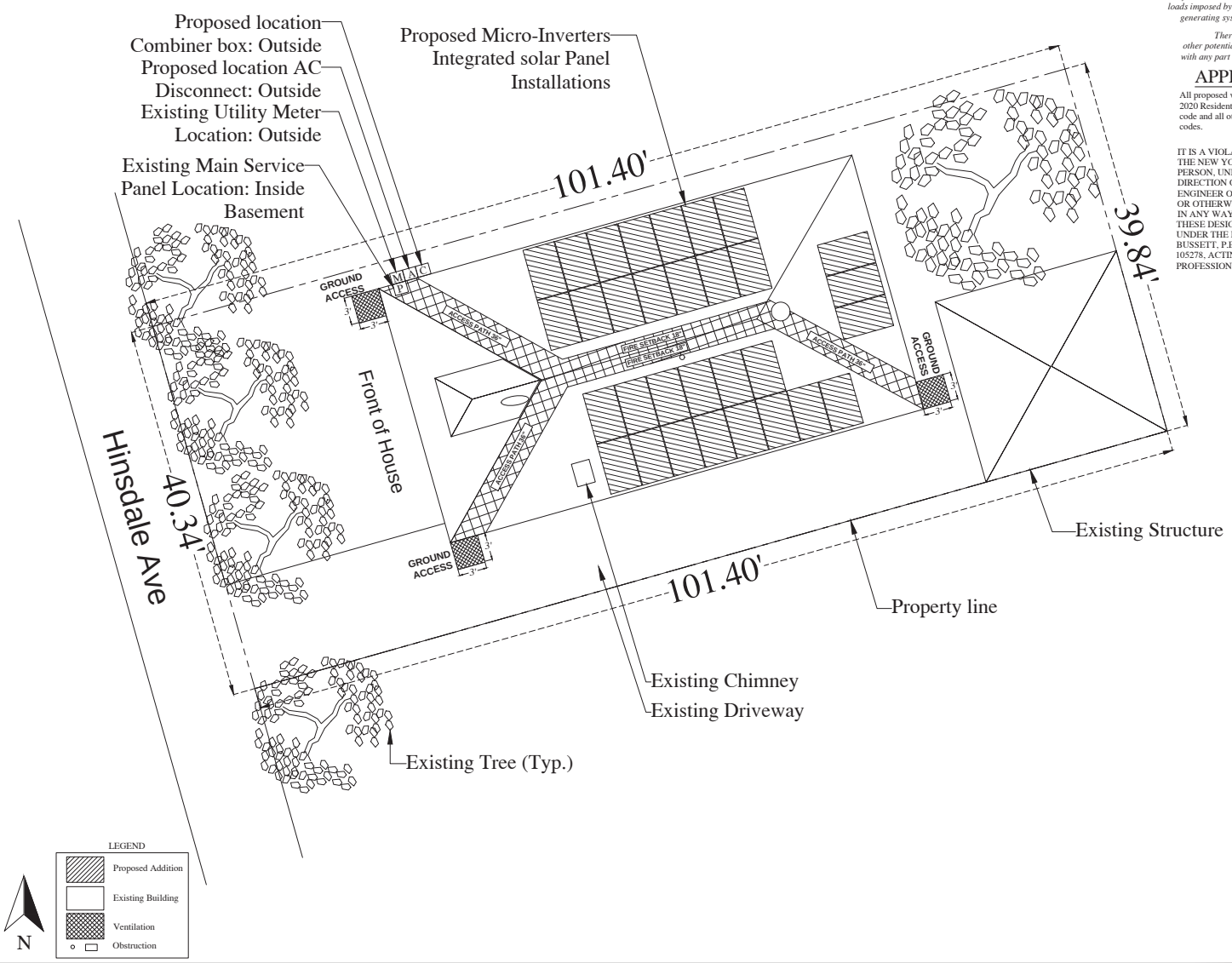
GPS COORDINATES

40.731298, -73.702648

DRAWING INDEX

SITE PLAN

Scale:3/16" = 1'-0"



SCOPE OF WORK

SCOPE OF WORK IS SOLELY FOR THE INSTALLATION OF THE SOLAR ELECTRONIC GENERATING SYSTEM. ALL OTHER WORK IS NOT TO BE RELIED UPON AS BEING APPROVED AND/OR PERMITTED BY THE BUILDINGS DEPARTMENT.

NOTES

The existing roof structure for this project, as is or with the structural reinforcement specified on page S-000.00, has been structurally analyzed and has been determined to be capable of supporting the loads imposed by the installation of the proposed solar electrical generating system as described in these design documents.

There is no tree, utility line or any other potential hazard that could come into contact with any part of the solar electric generating system.

APPLICABLE CODES

All proposed work shall meet the standards specified in the 2020 Residential Code of New York, 2017 National electrical code and all other applicable local and state building and fire codes.

IT IS A VIOLATION OF ARTICLE 145, SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW, FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER OF RECORD, TO ALTER ANY ITEM SPECIFIED OR OTHERWISE INCLUDED ON THIS DESIGN DRAWING IN ANY WAY.
THESE DESIGN DRAWINGS HAVE BEEN PREPARED UNDER THE DIRECT SUPERVISION OF PATRICK BUSSEIT, P.E. NY PROFESSIONAL ENGINEER LICENSE # 105278, ACTING AS AN INDIVIDUAL/SOLE PROFESSIONAL ENGINEER

Patrick Bussett
Venture Solar
67 West St, Brooklyn, NY 11222
License # 105278

P.E./R.A. Stamps/ Signatures

3/16/2023

DOB Stamps/ Signatures

ZONING INFORMATION, SITE PLAN

Z-000.00

Scale: 3/16" = 1'-0"

venture solar

67 West St, Brooklyn, NY 11222
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49 Hinsdale Av	Floral Park, NY 11001-1503 USA
Egidio Pallisco Santa's Residence	
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Date: 03/27/2023	

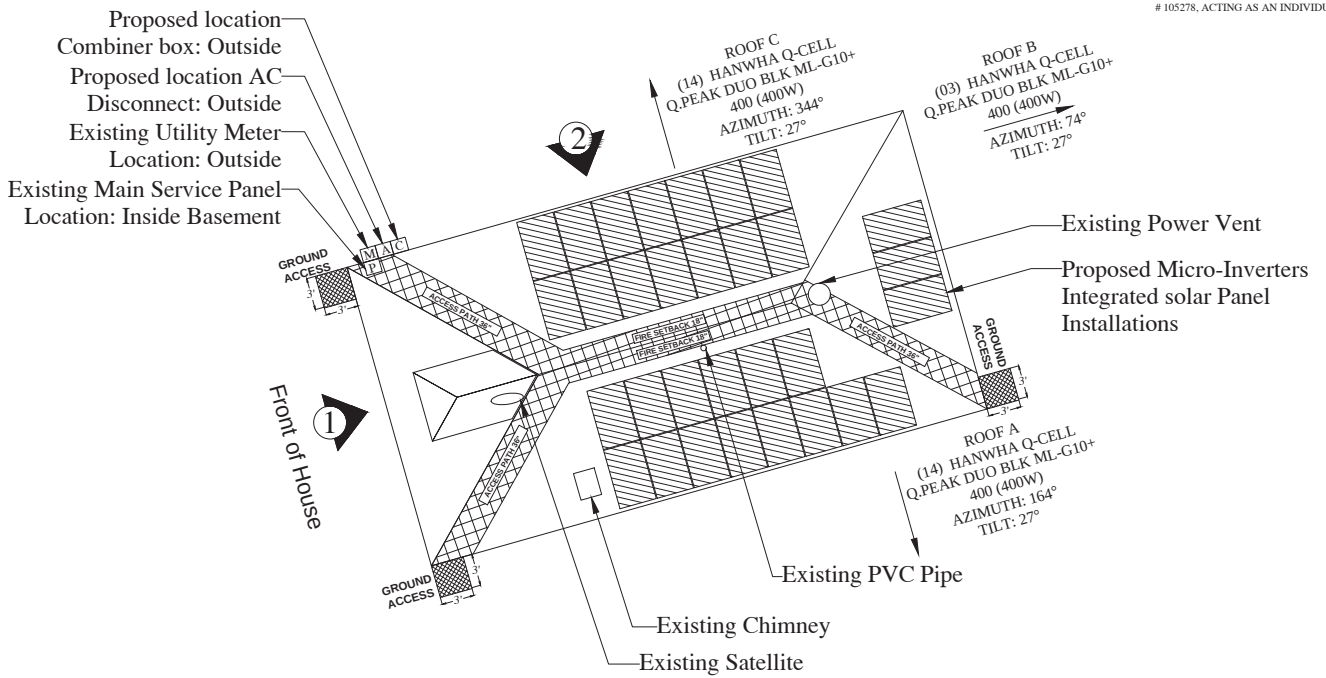
Revision #	Approval Date	Description

SYSTEM LAYOUT

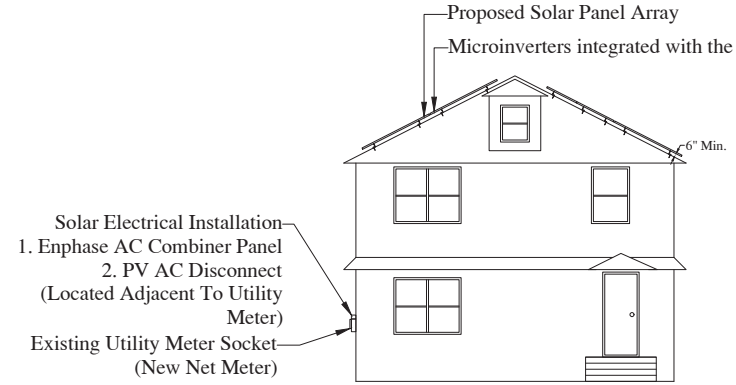
Scale: 3/16" = 1'-0"

ELEVATION LEGEND

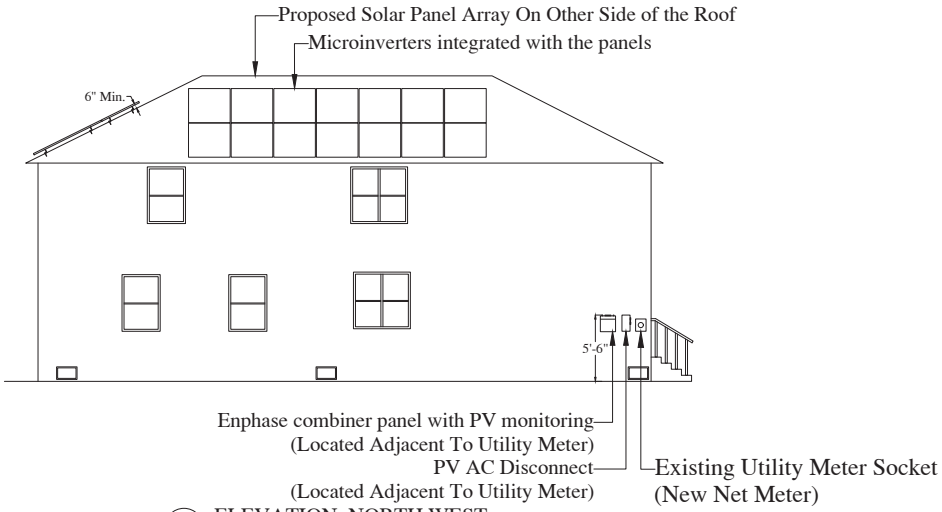
- Vent Pipes 44", 16", 12" Tall
- Vent Box
- Vent Fan
- Skylight



N



1 ELEVATION SOUTH WEST (FRONT SIDE OF HOME)



2 ELEVATION NORTH WEST (LEFT SIDE OF HOME)

Patrick Bussett
Venture Solar
67 West St, Brooklyn, NY 11222
License # 105278

P.E./R.A. Stamps/ Signatures

3/16/2023

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ELEVATIONS, SYSTEM LAYOUT

A-000.00

Scale: 3/16" = 1'

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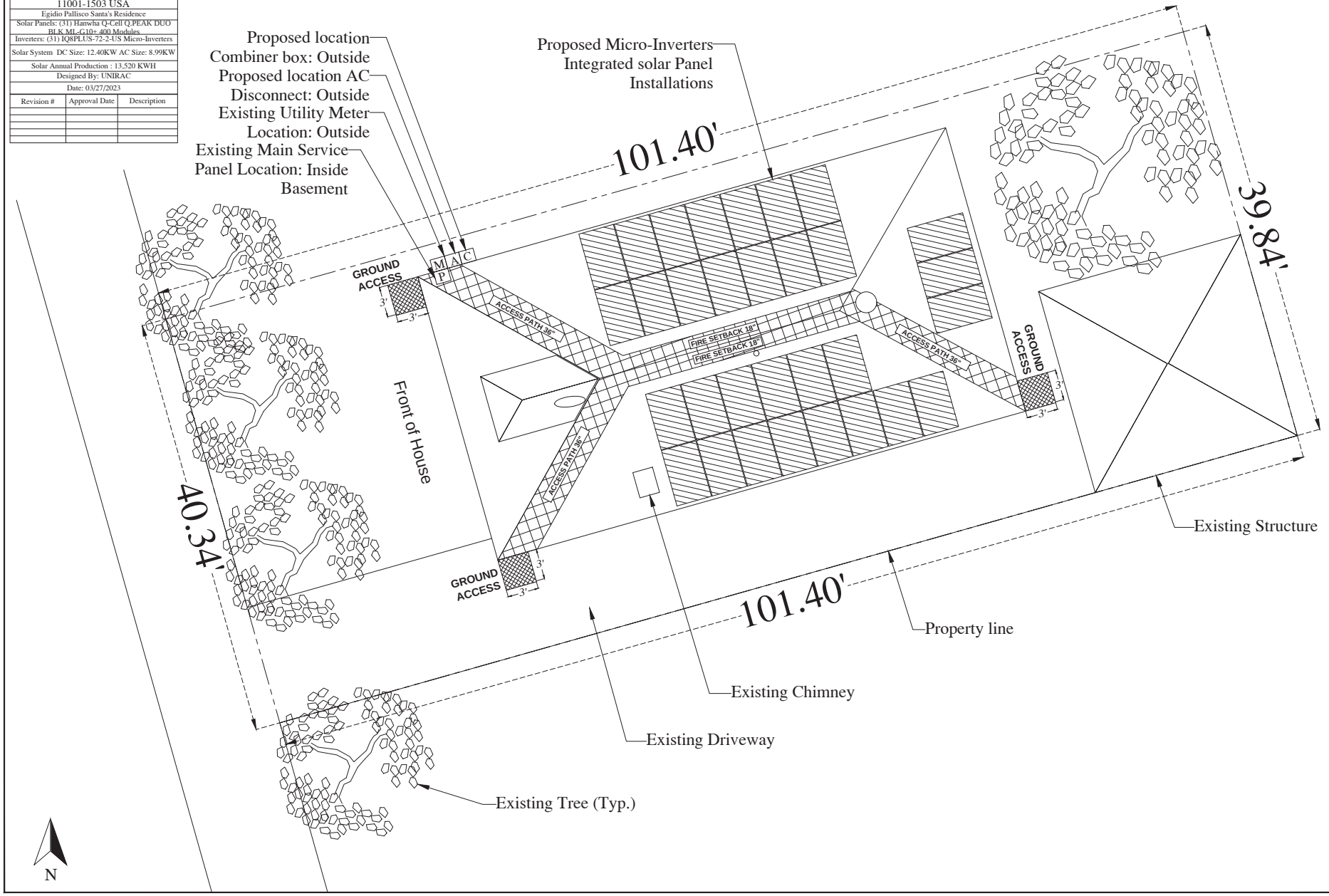
SITE PLAN

Scale:1/4" = 1'-0"

LEGEND

- Proposed Addition
- Existing Building
- Ventilation
- Obstruction



Patrick Bussett
Venture Solar
67 West St, Brooklyn, NY 11222
License # 105278

STATE OF NEW YORK
PATRICK BUSSETT
105278
LICENSED PROFESSIONAL ENGINEER

P.E./R.A. Stamps/ Signatures

3/16/2023

DOB Stamps/ Signatures

SITE PLAN

Z-001.00

Scale: 1/4" = 1'-0"

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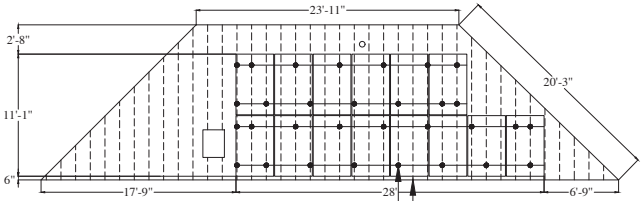
UNIRAC STAGGERED STRONGHOLD ROOF ATTACHMENT

Scale: 3/16" = 1'-0"

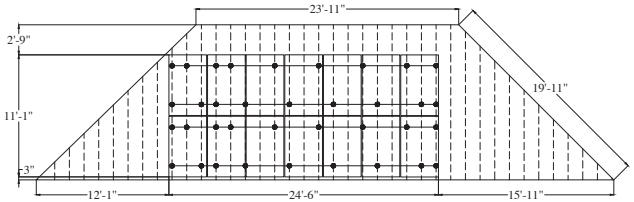
LEGEND

Hanwha Q-Cell Q.PEAK DUO BLK ML-G10+ 400 Solar Panels
MICRO-INVERTER
ATTACHMENTS
RAFTERS

Roof A

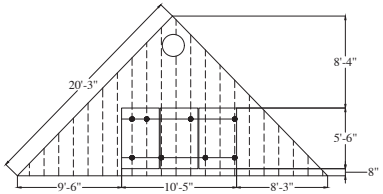


Roof B



Unirac Stronghold Attachment @48" O.C.
2"X8" Rafters @ 16" O.C.

Roof C



Acceptable Rail Mounting Area
L-Feet Rail Supports shall be installed at each end of rail and every 48" there after to support all Solar array wind and snow loads.Roof attachments shall be staggered.

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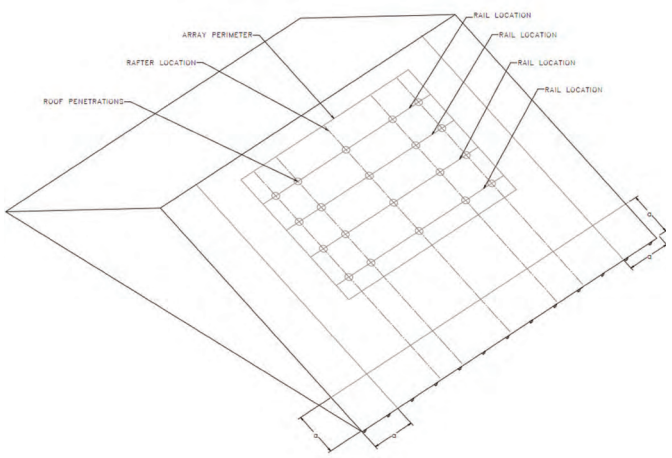
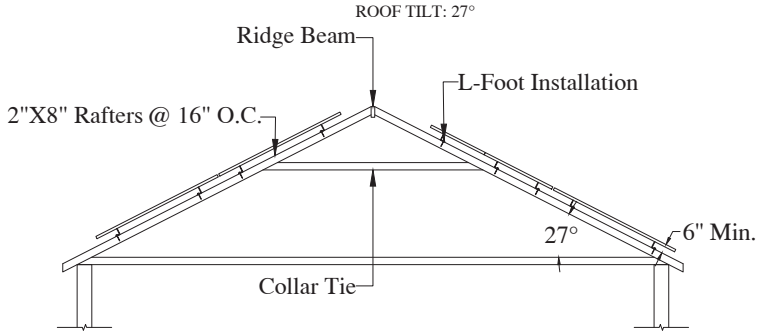


ROOF STRUCTURAL DETAILS:

Scale: 3/8" = 1'-0"



The PV modules will be maximum 6" off the roof surface.

Patrick Bussett
Venture Solar
67 West St, Brooklyn, NY 11222
License # 105278

P.E./R.A. Stamps/ Signatures

3/16/2023

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RACKING AND LOAD CALCULATIONS

S-000.00

Scale: SEE SCALE

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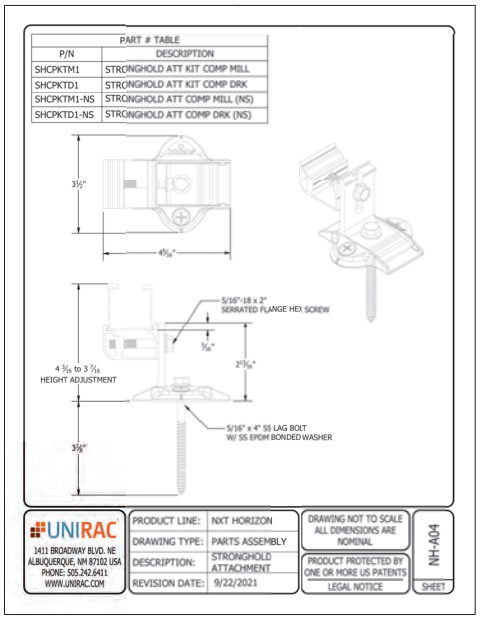
NXT HORIZON RAIL

Scale: 1/16"=1-0"

STRONGHOLD INSTALLATION

Scale: 1/16"=1-0"



NXT HORIZON RAILS MAX. SPAN

Maximum Continuous Spliced Rail Length for NXT Horizon Rail with Stronghold Attachments (ft.)/Maximum Reaction Force (lbs)

	Attachment Spacing		
ΔT (°F)	24"	48"	72"
40	67 / 155	94 / 218	117 / 271
50	59 / 171	86 / 250	105 / 305
60	55 / 191	78 / 272	93 / 324
70	51 / 207	70 / 285	81 / 329
80	47 / 218	62 / 288	80 / 372
90	43 / 225	62 / 324	69 / 361
100	43 / 250	54 / 314	64 / 372
120	39 / 272	53 / 369	53 / 369
140	35 / 285	45 / 366	45 / 366

Maximum Continuous Spliced Rail Length for NXT Horizon Rail with Flashkit Pro Attachments (ft.)/Maximum Reaction Force (lbs)

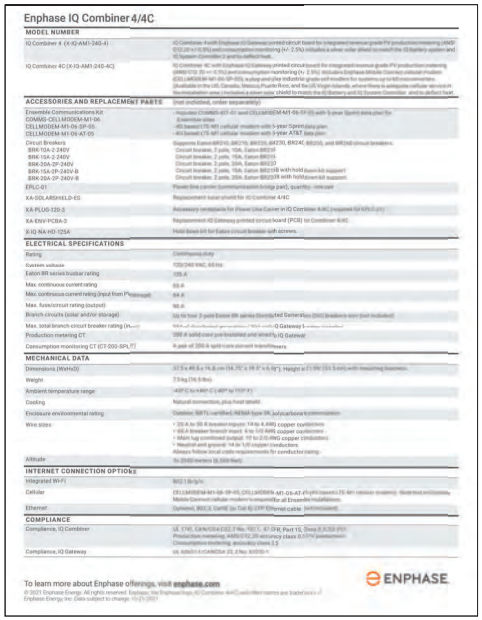
	Attachment Spacing		
ΔT (°F)	24"	48"	72"
40	75 / 139	102 / 189	129 / 239
50	67 / 155	94 / 218	117 / 271
60	63 / 175	86 / 239	105 / 292
70	55 / 178	78 / 253	93 / 302
80	51 / 189	70 / 259	93 / 345
90	51 / 213	70 / 308	81 / 338
100	47 / 218	62 / 287	80 / 371
120	43 / 239	62 / 345	66 / 367
140	39 / 253	54 / 350	57 / 370

INVERTER SPEC-SHEET

Scale: 1/16"=1-0"

COMBINER BOX SPEC-SHEET

Scale: 1/16"=1-0"



PV MODULE SPEC-SHEET

Format	74.0 in × 41.1 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells
Junction Box	2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥49.2 in (1250 mm), (−) ≥49.2 in (1250 mm)
Connector	Stäubli MC4; IP68

Patrick Bussett
Venture Solar
67 West St, Brooklyn, NY 11222
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P.E./R.A. Stamps/ Signatures

3/16/2023

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SPREADSHEET

S-001.00

Scale: SEE SCALE

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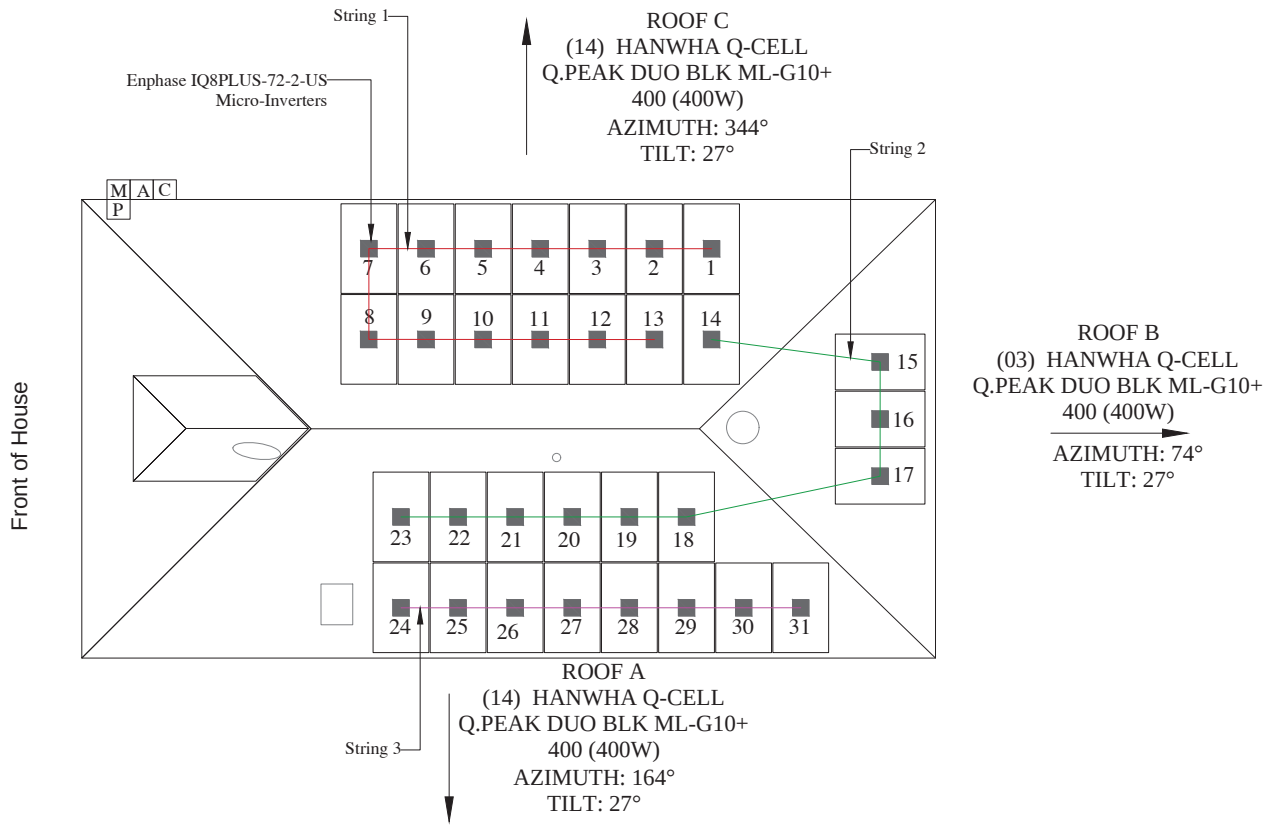
String Diagram



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Venture Solar
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P.E./R.A. Stamps/ Signatures

3/16/2023

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String Diagram

E-000.00

Scale: NTS

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FUSE SIZE CALCULATIONS
(31) x 1.21A x 1.25 = 46.89A =<50A fuse size

STRING CALCULATIONS
(13) x 1.21A x 1.25 = 19.66A <20A --->OK
(10) x 1.21A x 1.25 = 15.13A <20A --->OK
(08) x 1.21A x 1.25 = 12.10A <15A --->OK

MODULE SPEC-SHEET

CONDUCTOR SIZING CALCULATION								
CIRCUIT DESCRIPTION	CURRENT	Imax (690.(8A))	Icont (690.(8B)(2)(a) calc	SPECIFIED CONDUCTOR	AMPACITY @ 90°C	AMBIENT TEMPERATURE °C	CURRENT CARRYING COND.	COND. OF USE APPPLIED (690.(8B)(2)(b) calc
PV SOURCE STRING 1	13.00	15.73	15.73 x 1.25 = 19.66	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb. temp) x 1.0 (raceway fill) = 38.40A
PV SOURCE STRING 2	10.00	12.10	12.10 x 1.25 = 15.13	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb. temp) x 1.0 (raceway fill) = 38.40A
PV SOURCE STRING 3	8.00	9.68	9.68 x 1.25 = 12.10	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb. temp) x 1.0 (raceway fill) = 38.40A
COMBINER BOX OUTPUT	31.00	37.51	37.51 x 1.25 = 46.89	#6 THWN-2	75	31-35	1-3	75A x 0.96 (amb. temp) x 1.0 (raceway fill) = 72.00A
AC DISCONNECT OUTPUT	31.00	37.51	37.51 x 1.25 = 46.89	#6 THWN-2	75	31-35	1-3	75A x 0.96 (amb. temp) x 1.0 (raceway fill) = 72.00A

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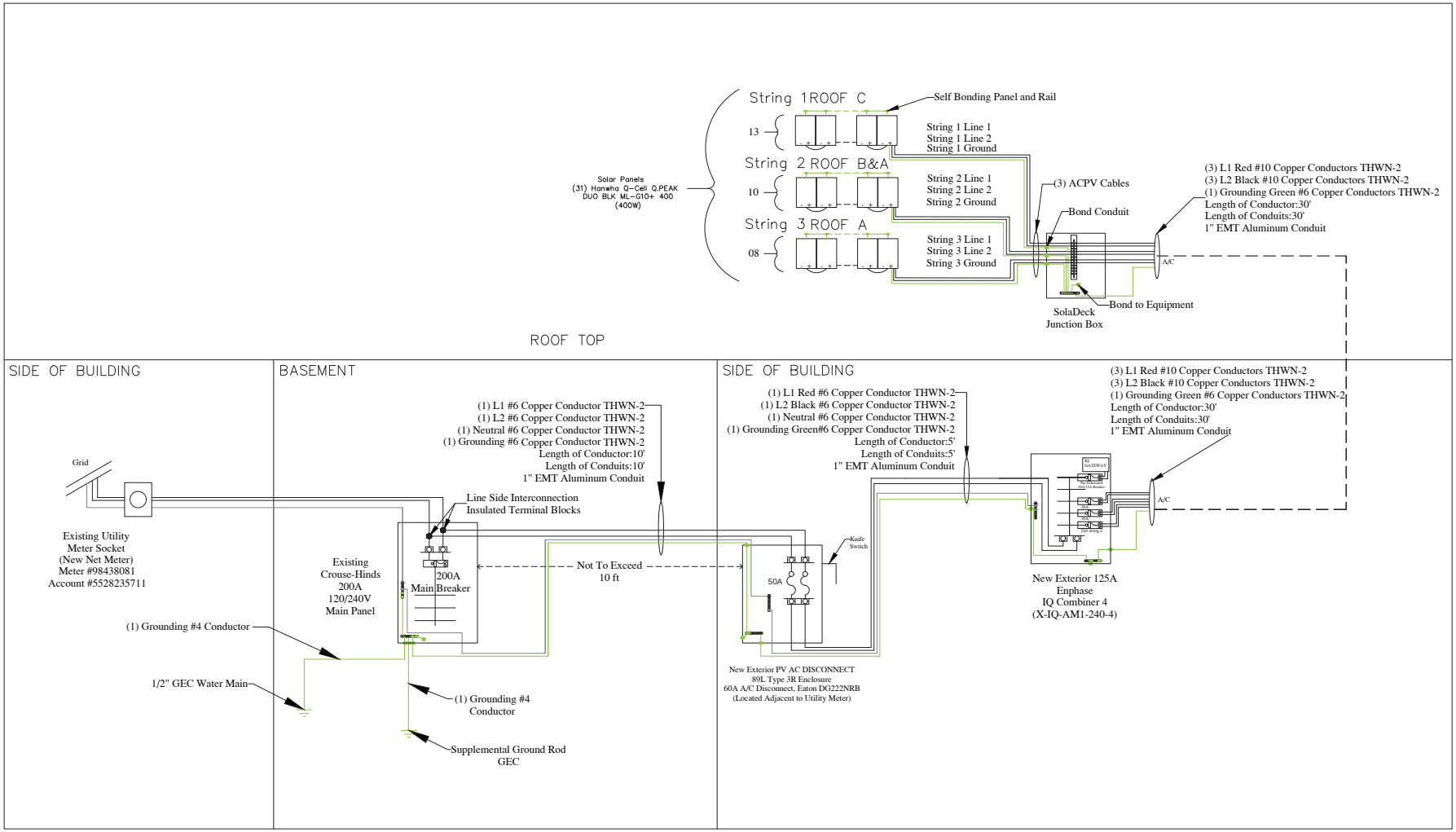

03.28.2023

DOB Stamps/ Signatures

ELECTRICAL 3-LINE & LABELS

E-002.00

Scale: NTS

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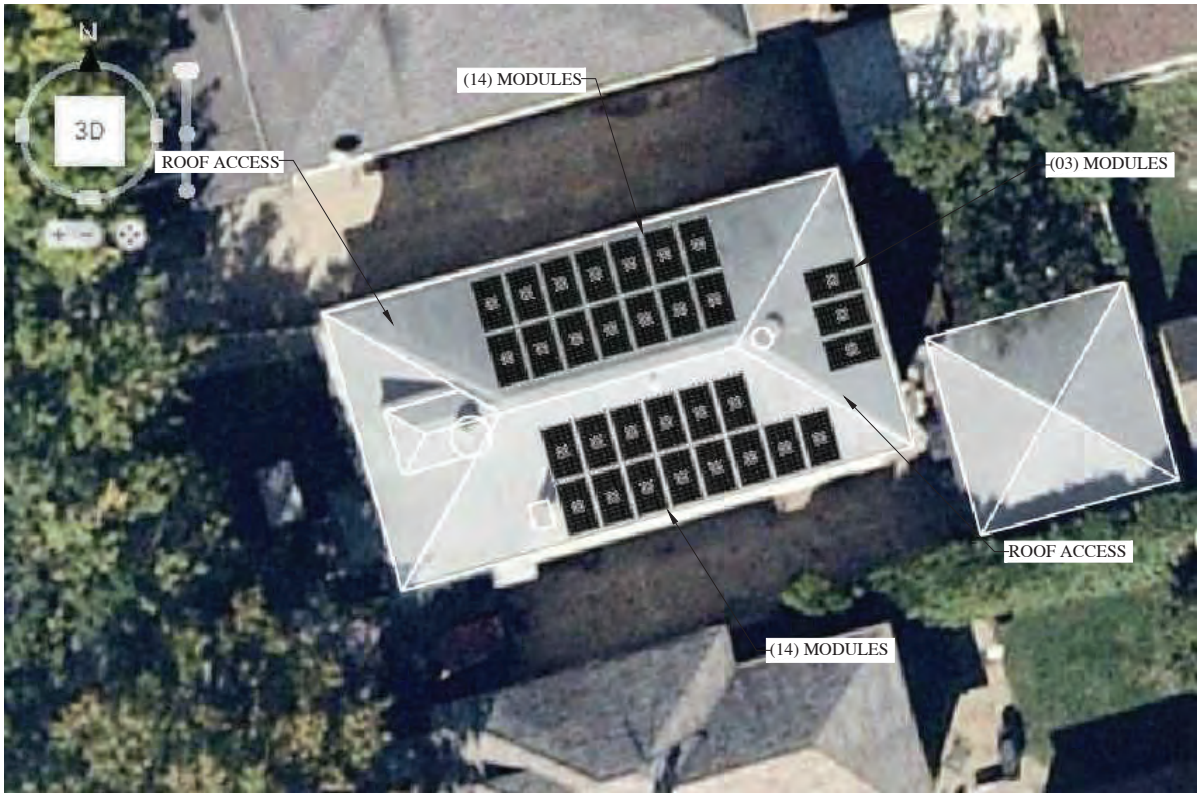

TOP VIEW OF HOUSE

DOB Stamps/ Signatures

PHOTO RENDERING

G-002.00

Scale: NTS

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www.venturehomesolar.com
(800) 203-4158

49 Hinsdale Av	Floral Park, NY 11001-1503 USA
Egidio Pallisco Santa's Residence	
Solar Panels: (31) Hanwha Q-Cell Q.PEAK DUO BLK ML-G10+ 400 Modules	
Inverters: (31) IQ8PLUS-72-2-US Micro-Inverters	
Solar System DC Size: 12.40KW AC Size: 8.99KW	
Solar Annual Production : 13,520 KWH	
Designed By: UNIRAC	
Date: 03/27/2023	

Revision #	Approval Date	Description

FRONT VIEW OF HOUSE

DOB Stamps/ Signatures

PHOTO RENDERING

G-003.00

Scale: NTS

venture solar

67 West St, Brooklyn, NY 11222
www.venturehomesolar.com
(800) 203-4158

49 Hinsdale Av	Floral Park, NY 11001-1503 USA
Egidio Pallisco Santa's Residence	
Solar Panels: (31) Hanwha Q-Cell Q.PEAK DUO BLK ML-G10+ 400 Modules	
Inverters: (31) IQ8PLUS-72-2-US Micro-Inverters	
Solar System DC Size: 12.40KW AC Size: 8.99KW	
Solar Annual Production : 13,520 KWH	
Designed By: UNIRAC	
Date: 03/27/2023	

Revision #	Approval Date	Description

RIGHT SIDE OF HOUSE

DOB Stamps/ Signatures

PHOTO RENDERING

G-004.00

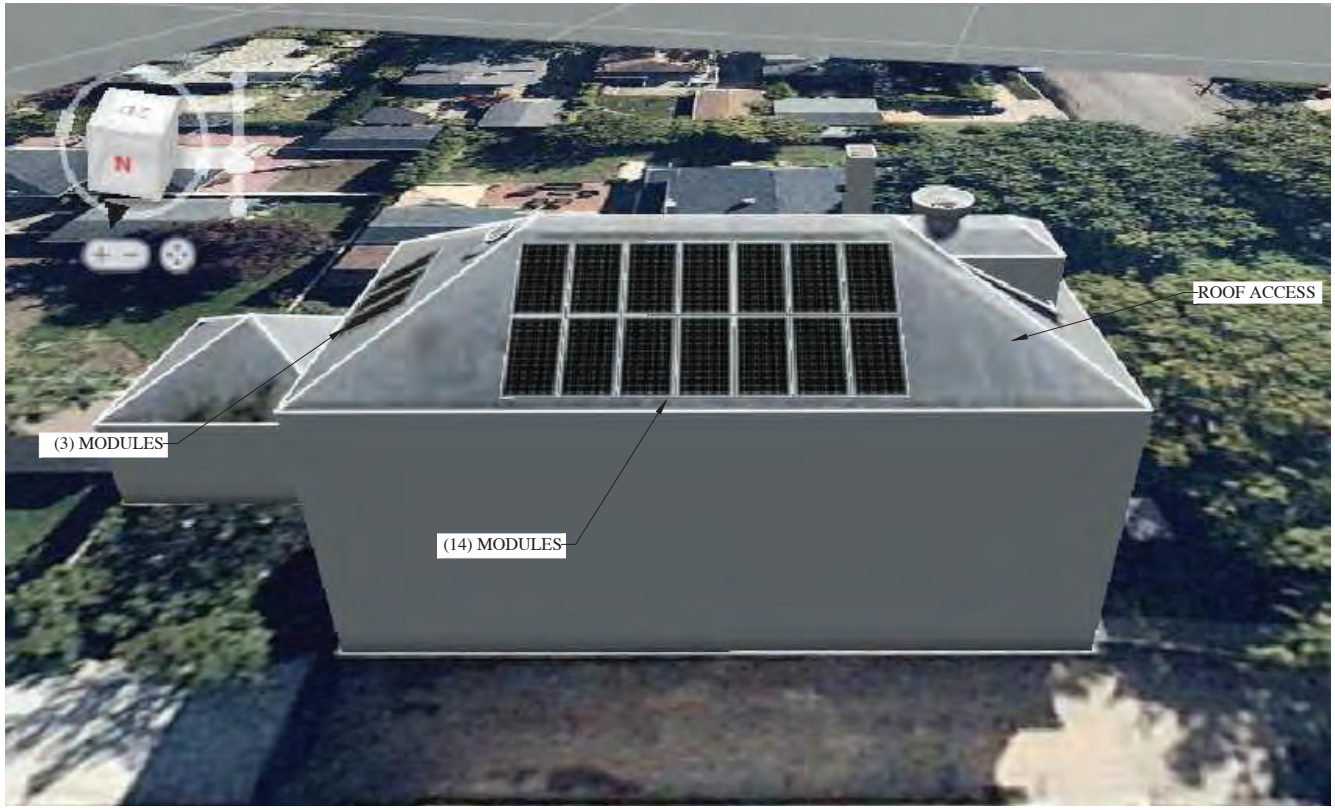
Scale: NTS

venture solar

67 West St, Brooklyn, NY 11222
www.venturehomesolar.com
(800) 203-4158

49 Hinsdale Av	Floral Park, NY 11001-1503 USA
Egidio Pallisco Santa's Residence	
Solar Panels: (31) Hanwha Q-Cell Q.PEAK DUO BLK ML-G10+ 400 Modules	
Inverters: (31) IQ8PLUS-72-2-US Micro-Inverters	
Solar System DC Size: 12.40KW AC Size: 8.99KW	
Solar Annual Production : 13,520 KWH	
Designed By: UNIRAC	
Date: 03/27/2023	

Revision #	Approval Date	Description



LEFT OF HOUSE

DOB Stamps/ Signatures

PHOTO RENDERING

G-005.00

Scale: NTS

venture solar

67 West St, Brooklyn, NY 11222
www.venturehomesolar.com
(800) 203-4158

49 Hinsdale Av	Floral Park, NY 11001-1503 USA
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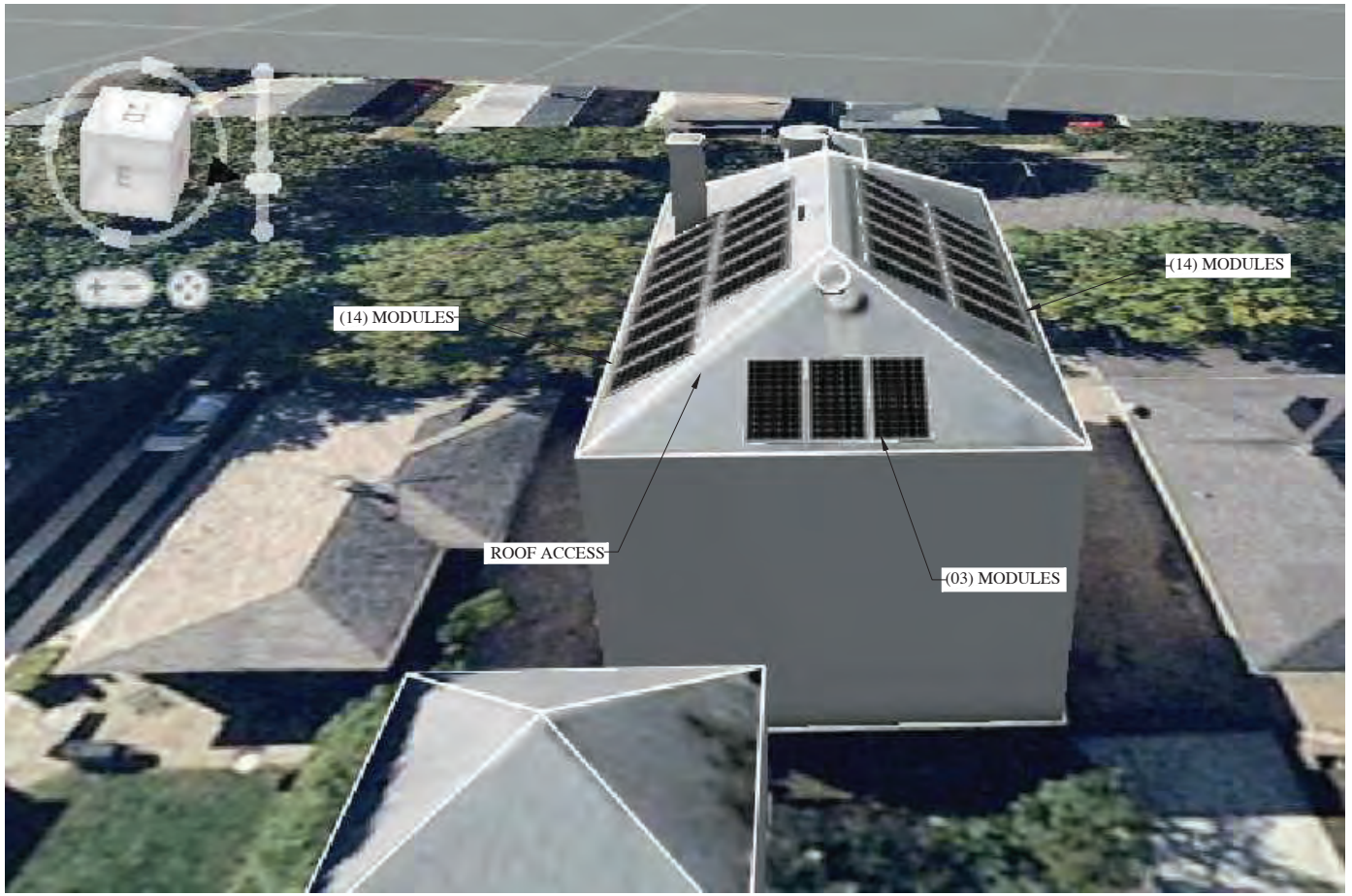
Revision #	Approval Date	Description



BACK SIDE OF HOUSE

DOB Stamps/ Signatures

PHOTO RENDERING

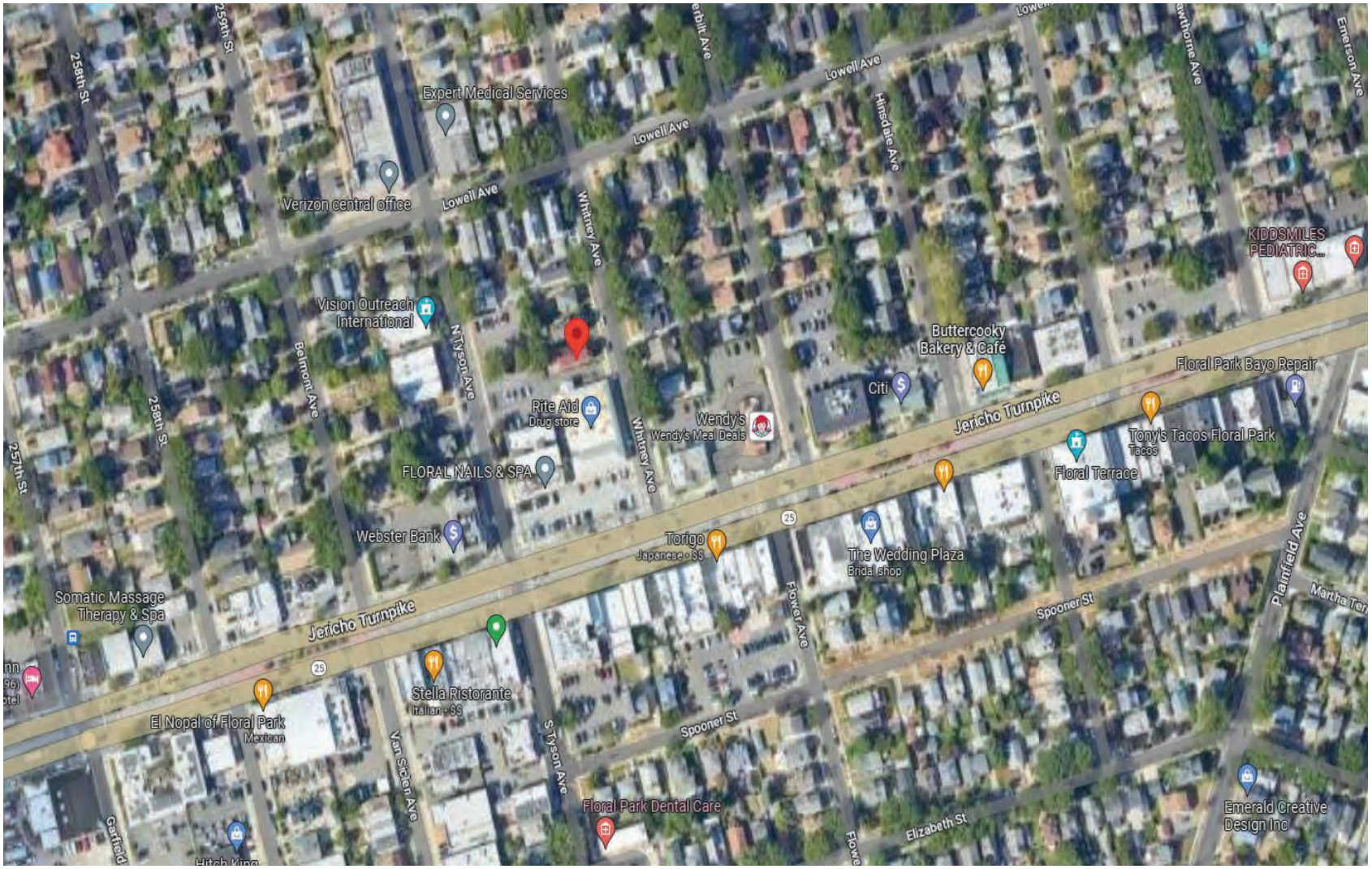
G-006.00

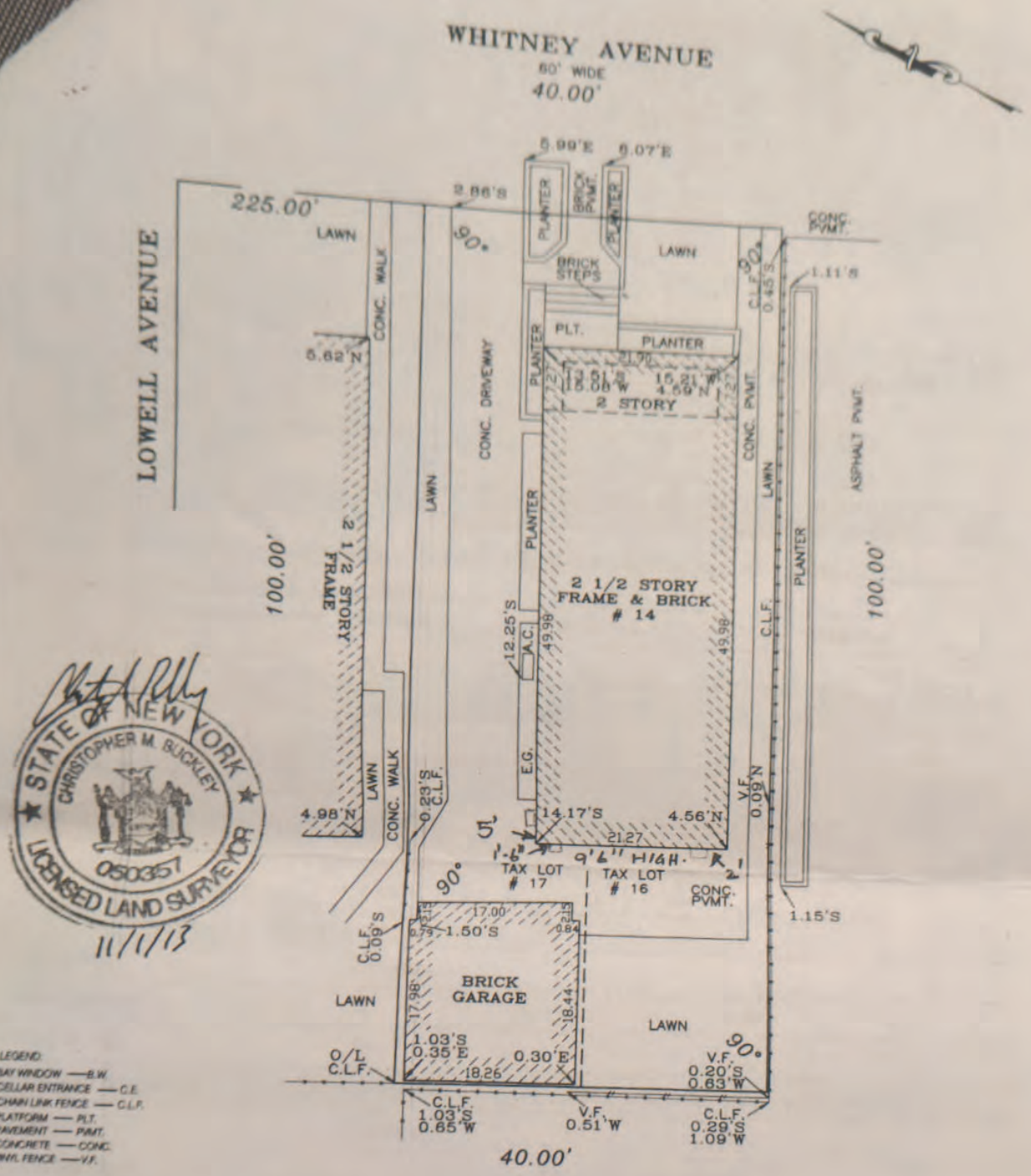
Scale: NTS


49 Hinsdale ->

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
2	8:05 p.m.	14	Whitney Avenue	Solar	James Kadavunkal	EmPower Solar

14 Whitney Avenue (Aerial View)





LEGEND:
BAY WINDOW — B.W.
CELLAR ENTRANCE — C.E.
CHAIN LINK FENCE — C.L.F.
PLATFORM — PLT.
PAVEMENT — PVMT.
CONCRETE — CONC.
VINYL FENCE — V.F.

FINAL SURVEY
FOR BUILDING DEPARTMENT USE ONLY
TOTAL LOT AREA IS 4000.0 sq.ft.
TOTAL HOUSE AREA IS 1235.7 sq.ft.
HOUSE AREA IS 30.8% OF LOT AREA

THE EXISTENCE OF RIGHT OF WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN ARE NOT CERTIFIED.

PRECISION SURVEYS
TITLE • ARCHITECTURAL • BOUNDARY • CONSTRUCTION
40 FRANKLIN AVE. FRANKLIN SQUARE, N.Y. 11010
Ph. • (718)472-1571 • (516)488-1608
CHRISTOPHER M. BUCKLEY
PROFESSIONAL LAND SURVEYOR

SURVEY OF: Described Property

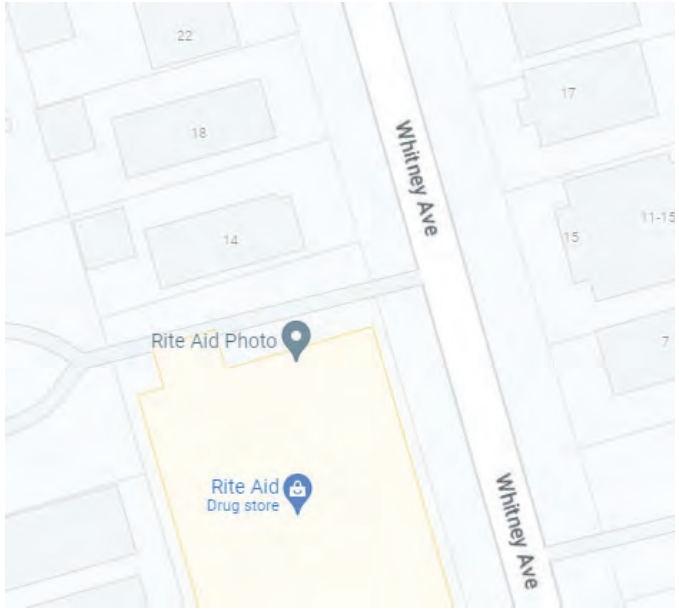
LOCATED AT:
14 Whitney Avenue, Floral Park
County of Nassau
State of New York

TAX DESIG: Sec. 8, Block 56, Lots 16, 17

CERTIFIED TO:
The Town Of North Hempstead

DATE: November 1, 2013
SCALE: 1"=15'
Job No. 32657
Drawn By: LG

RESIDENTIAL
SOLAR PROJECT



MAP

PROJECT TEAM:

OWNER: James Kadavunkal

PHONE: (718) 219-1415

SOLAR INSTALLER:
EMPOWER SOLAR

4589 AUSTIN BLVD
ISLAND PARK, NY 11558

PHONE: 516-837-3459

ENGINEER OF RECORD:
GREGORY SACHS, PE

4589 AUSTIN BLVD
ISLAND PARK, NY 11558

PHONE: 516-837-3459

PROJECT LOCATION DATA:

ADDRESS: 14 Whitney Avenue, Floral Park, NY 11001

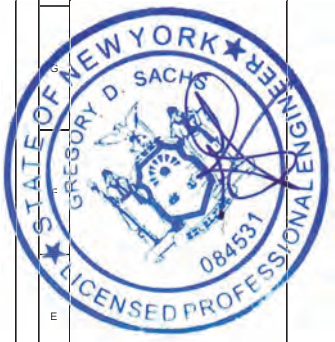
S:8 B:056 L:16

SHEET INDEX:

ST-01	COVER SHEET
S-01	EQUIPMENT LOCATIONS
S-02	STRUCTURAL
SE-01	ELECTRICAL

EMPOWER SOLAR
4589 AUSTIN BLVD
ISLAND PARK, NY 11558
TEL: 516-837-3459
FAX: 516-706-1789
www.empower-solar.com

PROFESSIONAL SEAL



REV:	DESCRIPTION:	DATE:

PROJECT NAME: James Kadavunkal

PROJECT LOCATION: 14 Whitney Avenue, Floral Park, NY 11001

PROJECT#:

PROJ. PHASE: PERMIT

DATE:

DESIGNED BY: ED

CHECKED BY: GS

SCALE: NTS

TITLE: COVER SHEET

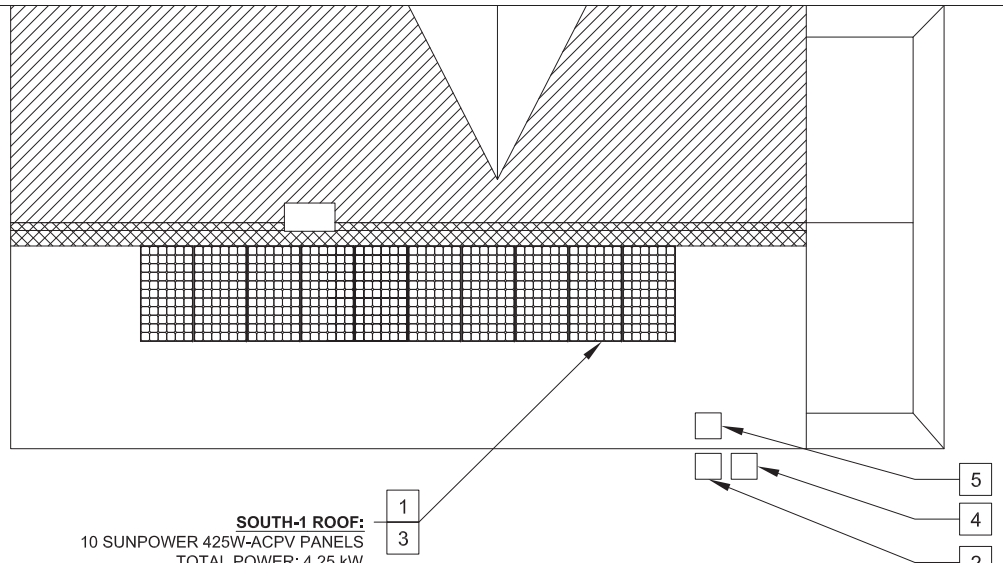
SHEET: ST-01

SETBACK LEGEND

- 36" CLEAR PATH
- 18" RIDGE SETBACK
- ACCESS ROOF

DRIVEWAY

WHITNEY AVE



EQUIPMENT LEGEND:

1. MODULES
2. UTILITY METER
3. INVERTERS
4. SOLAR DISCONNECT
5. MAIN SERVICE PANEL

SOUTH-1 ROOF:
10 SUNPOWER 425W-ACPV PANELS
TOTAL POWER: 4.25 kW
ORIENTATION: 163°; PITCH: 40°
TYPE 1: FLASHLOC DUO
SOLAR ACCESS: 99%
TSRF: 98%

ROOF LAYOUT
NOT TO SCALE

EMPOWER SOLAR
4589 AUSTIN BLVD
ISLAND PARK, NY 11558
TEL: 516-837-3459
FAX: 516-706-1789
www.empower-solar.com

PROFESSIONAL SEAL

REV:	DESCRIPTION:	DATE:

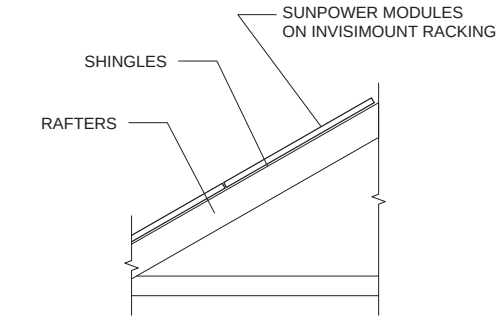
PROJECT NAME:
KADAVUNKAL RESIDENCE

PROJECT LOCATION:
14 WHITNEY AVENUE
FLORAL PARK, NY 11001

PROJECT#:	7297
PROJ. PHASE:	PERMIT
DATE:	03/30/2023
DESIGNED BY:	ED
CHECKED BY:	GS
SCALE:	NTS

TITLE:
EQUIPMENT LOCATIONS

SHEET:
S-01



TYPICAL ROOF SECTION
NOT TO SCALE

MODULE POWER (Wdc)	QTY
SPR-425	10

SUNPOWER PANEL SPECS				
MODEL #	LENGTH	WIDTH	DEPTH	WEIGHT
SPR-A-SERIES-AC	72.2"	40.0"	1.57"	46.5 LB
SPR-E/X-SERIES-AC	61.4"	41.2"	1.81"	42.9 LB

TABLE S-1.1: MAX. ATTACHMENT SPACING	
PORTRAIT: 5'-4"	LANDSCAPE: 8'-0"

NOTES:
1. TOTAL SYSTEM DC POWER: 4.25 kW
2. RACKING SYSTEM INSTALLED IN ACCORDANCE WITH CODE-COMPLIANT INSTALLATION MANUAL
3. ATTACHMENTS TO BE SECURED TO ROOF ASSEMBLY USING 5 mm STAINLESS STEEL SCREWS AND/OR 5/16" STAINLESS STEEL LAG BOLTS SPACED ACCORDING TO **TABLE S-1.1**
4. ALL ATTACHMENTS TO ROOF, MOUNTING BRACKETS & HARDWARE MEET OR EXCEED NYS CODE REQUIREMENTS
5. INSTALLATION TYPICALLY MAINTAINS 7/8 INCH SPACING BETWEEN MODULES
6. SIZES OF STRUCTURAL MEMBERS THAT WERE NOT ACCESSIBLE FOR DIRECT MEASUREMENT ARE BASED ON OBSERVATIONS OF ACCESSIBLE MEMBERS, CONSTRUCTION DEPTH OR BOTH IN ADDITION TO KNOWLEDGE OF STANDARD CONSTRUCTION PRACTICES AT THE TIME OF CONSTRUCTION
7. THIS DOCUMENT CERTIFIES THAT THE ROOF STRUCTURE HAS BEEN CHECKED FOR WIND, SNOW, UNBALANCED SNOW, LIVE AND DEAD LOADS BASED ON ASCE 7-10 CHAPTER 30 - WIND LOADS - COMPONENTS AND CLADDING (C&C) AND FOR CONFORMANCE WITH THE 2020 RESIDENTIAL CODE OF NEW YORK STATE. THIS CERTIFICATION DOES NOT APPLY TO ANY ADDITIONAL ROOF ALTERATIONS AFTER THE DESCRIBED INSTALLATION
8. THIS ROOF STRUCTURE AS SHOWN IS ADEQUATE TO SUPPORT THE PROPOSED LOADS
9. REFER TO STRUCTURAL LETTER FOR SITE SPECIFIC AND ROOF SURFACE DATA

EMPOWER SOLAR
4589 AUSTIN BLVD
ISLAND PARK, NY 11558
TEL: 516-837-3459
FAX: 516-706-1789
www.empower-solar.com

PROFESSIONAL SEAL

REV:	DESCRIPTION:	DATE:

PROJECT NAME: James Kadavunkal

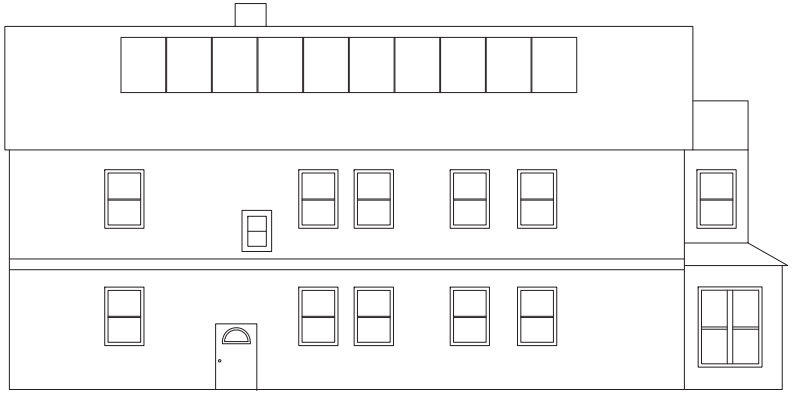
PROJECT LOCATION: 14 Whitney Avenue, Floral Park, NY 11001

PROJECT#:	
PROJ. PHASE:	PERMIT
DATE:	
DESIGNED BY:	ED
CHECKED BY:	GS
SCALE:	NTS

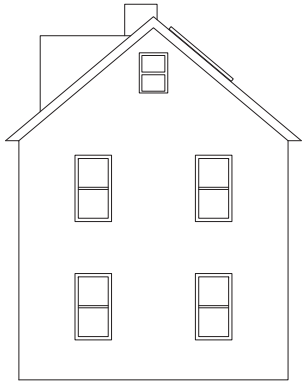
TITLE: STRUCTURAL

SHEET: S-02

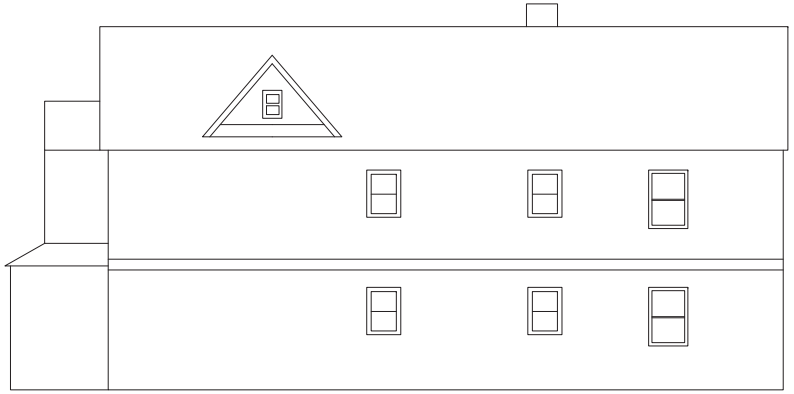
EAST ELEVATION
NTS



SOUTH ELEVATION
NTS



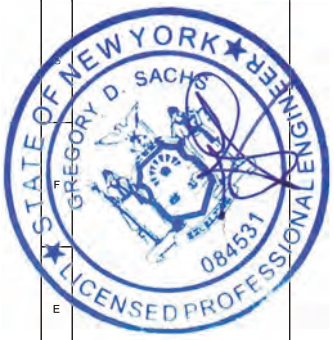
WEST ELEVATION
NTS



NORTH ELEVATION
NTS

EMPOWER SOLAR
4589 AUSTIN BLVD
ISLAND PARK, NY 11558
TEL: 516-837-3459
FAX: 516-706-1789
www.empower-solar.com

PROFESSIONAL SEAL



REV:	DESCRIPTION:	DATE:

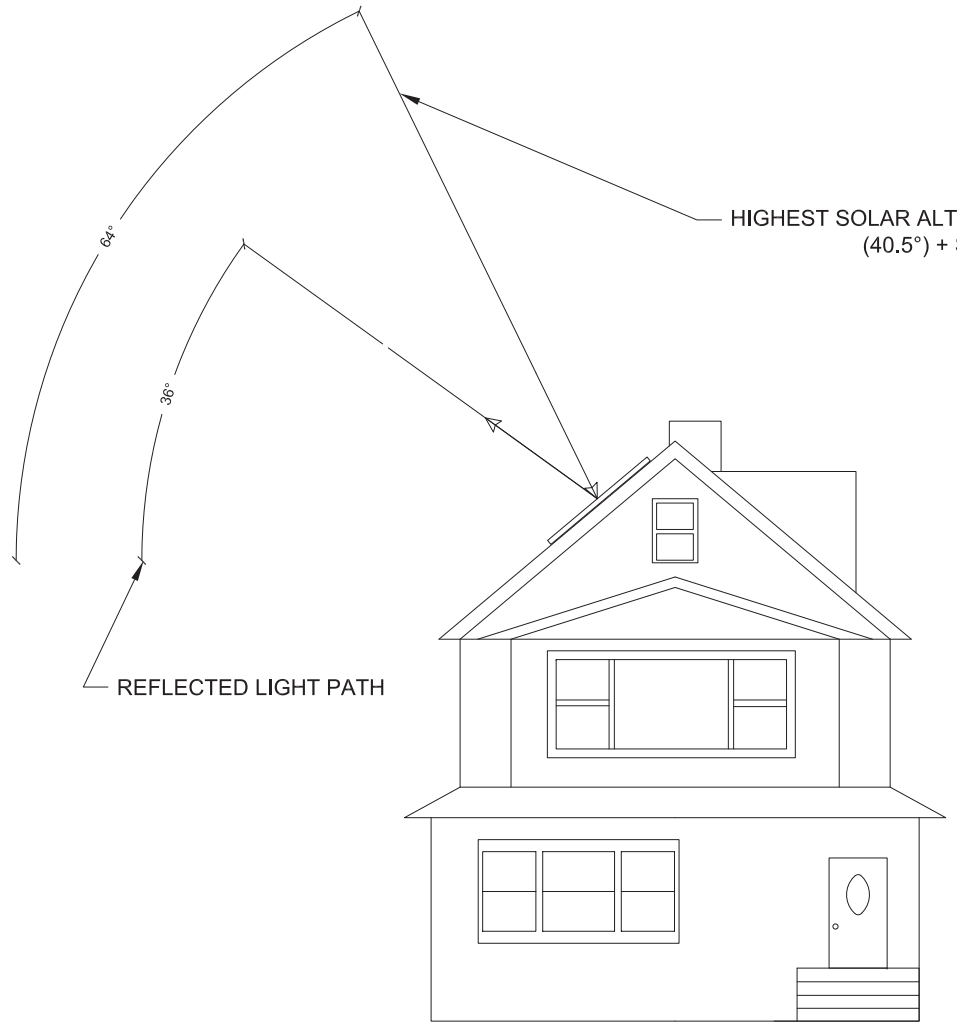
PROJECT NAME:
KADAVUNKAL RESIDENCE

PROJECT LOCATION:
14 WHITNEY AVENUE
FLORAL PARK, NY 11001

PROJECT#:	7297
PROJ. PHASE:	PERMIT
DATE:	03/30/2023
DESIGNED BY:	ED
CHECKED BY:	GS
SCALE:	NTS

TITLE:
ELEVATION DRAWINGS

SHEET:
SM-02



EAST ELEVATION
NTS

EMPOWER SOLAR
4589 AUSTIN BLVD
ISLAND PARK, NY 11558
TEL: 516-837-3459
FAX: 516-706-1789
www.empower-solar.com

PROFESSIONAL SEAL

STATE OF NEW YORK ★ LICENSED PROFESSIONAL ENGINEER
GREGORY D. SACHS
084531

REV:	DESCRIPTION:	DATE:

PROJECT NAME:
KADAVUNKAL RESIDENCE

PROJECT LOCATION:
14 WHITNEY AVENUE
FLORAL PARK, NY 11001

PROJECT#:	7297
PROJ. PHASE:	PERMIT
DATE:	03/30/2023
DESIGNED BY:	ED
CHECKED BY:	GS
SCALE:	NTS

TITLE:
GLARE ANALYSIS

SHEET:
SM-02

M SERIES

SUNPOWER®

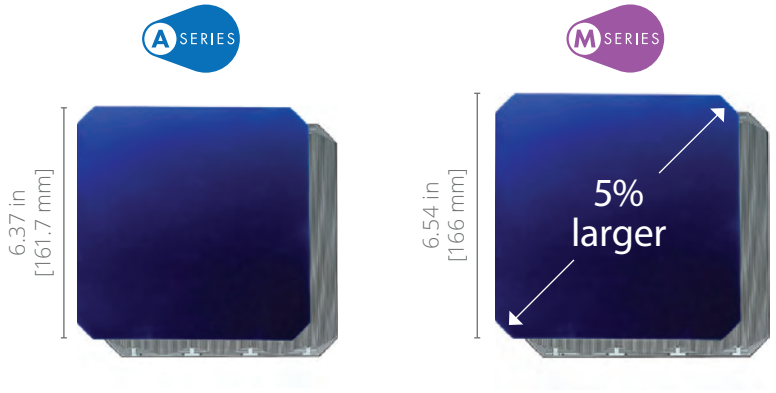
420-440W Residential AC Module

SunPower® Maxeon® Technology

Built specifically for use with the SunPower Equinox® system, the only fully integrated solar solution designed, engineered, and warranted by one company.

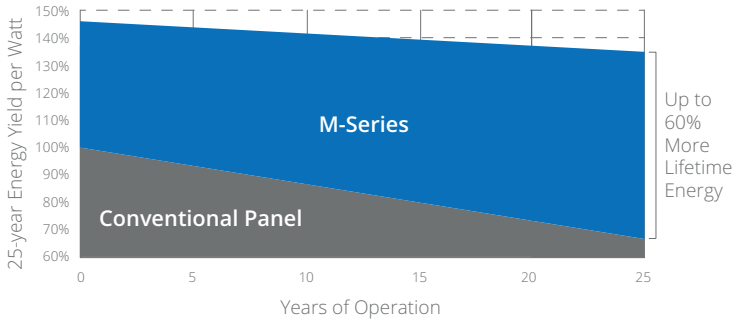
Highest Power AC Density Available.

The patented, solid-copper foundation Maxeon Gen 6 cell is over 5% larger than prior generations, delivering the highest efficiency AC solar panel available.[1]



Highest Lifetime Energy and Savings

Designed to deliver 60% more energy over 25 years in real-world conditions like partial shade and high temperatures.[2]



Best Reliability, Best Warranty

With more than 42.6 million and 15 GW modules deployed around the world, SunPower technology is proven to last. That's why we stand behind our module and microinverter with the industry's best 25-year Combined Power and Product Warranty.

BETTER PRODUCT · BETTER WARRANTY
SunPower Complete Confidence

Part of the SunPower Equinox® Solar System

- Compatible with mySunPower™ monitoring
- Seamless aesthetics

Factory-integrated Microinverter

- Highest-power integrated AC module in solar
- Engineered and calibrated by SunPower for SunPower AC modules

M-Series: M440 | M435 | M430 | M425 | M420 SunPower® Residential AC Module

AC Electrical Data		
Inverter Model: Type H (Enphase IQ7HS)	@240 VAC	@208 VAC
Max. Continuous Output Power (VA)	384	369
Nom. (L–L) Voltage/Range[3] (V)	240 / 211–264	208 / 183–229
Max. Continuous Output Current (Arms)	1.60	1.77
Max. Units per 20 A (L–L) Branch Circuit[4]	10	9
CEC Weighted Efficiency	97.0%	96.5%
Nom. Frequency	60 Hz	
Extended Frequency Range	47–68 Hz	
AC Short Circuit Fault Current Over 3 Cycles	4.82 A rms	
Overvoltage Class AC Port	III	
AC Port Backfeed Current	18 mA	
Power Factor Setting	1.0	
Power Factor (adjustable)	0.85 (inductive) / 0.85 (capacitive)	

DC Power Data	SPR-M440-H-AC	SPR-M435-H-AC	SPR-M430-H-AC	SPR-M425-H-AC	SPR-M420-H-AC
Nom. Power[6] (Pnom) W	440	435	430	425	420
Power Tolerance	+5/–0%				
Module Efficiency	22.8%	22.5%	22.3%	22.0%	21.7%
Temp. Coef. (Power)	–0.29% / °C				
Shade Tolerance	Integrated module-level max. power point tracking				

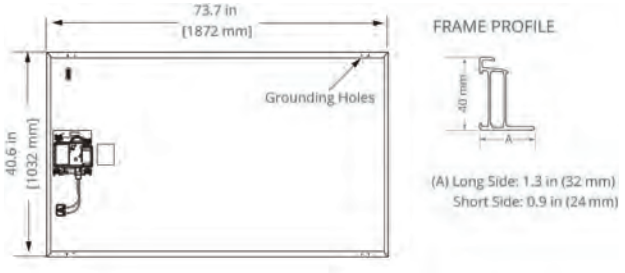
Tested Operating Conditions	
Operating Temp.	-40° F to +185°F (-40°C to +85°C)
Max. Ambient Temp.	122°F (50°C)
Max. Test Load[8]	Wind: 125 psf, 6000 Pa, 611 kg/m² back Snow: 187 psf, 9000 Pa, 917 kg/m² front
Max. Design Load	Wind: 75 psf, 3600 Pa, 367 kg/m² back Snow: 125 psf, 6000 Pa, 611 kg/m² front
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)

Mechanical Data	
Solar Cells	66 Maxeon Gen 6
Front Glass	High-transmission tempered glass with anti-reflective coating
Environmental Rating	Outdoor rated
Frame	Class 1 black anodized (highest AAMA rating)
Weight	48 lb (21.8 kg)
Recommended Max. Module Spacing	1.3 in. (33 mm)

Warranties, Certifications, and Compliance	
Warranties	• 25-year limited power warranty • 25-year limited product warranty
Certifications and Compliance	• UL 1741 / IEEE-1547 • UL 1741 AC Module (Type 2 fire rated) • UL 61730 • UL 62109-1 / IEC 62109-2 • FCC Part 15 Class B • ICES-0003 Class B • CAN/CSA-C22.2 NO. 107.1-01 • CA Rule 21 (UL 1741 SA)[5] (includes Volt/Var and Reactive Power Priority) • UL Listed PV Rapid Shutdown Equipment[7] Enables installation in accordance with: • NEC 690.6 (AC module) • NEC 690.12 Rapid Shutdown (inside and outside the array) • NEC 690.15 AC Connectors, 690.33(A)–(E)(1) When used with AC module Q Cables and accessories (UL 6703 and UL 2238)[7]: • Rated for load break disconnect
PID Test	1000 V: IEC 62804

Packaging Configuration	
Modules per pallet	25
Packaging box dimensions	75.4 × 42.2 × 48.0 in. (1915 × 1072 × 1220 mm)
Pallet gross weight	1300.7 lb (590 kg)
Pallets per container	32
Net weight per container	41,623 lb (18,880 kg)

1 Based on datasheet review of websites of top 20 manufacturers per Wood Mackenzie US PV Leaderboard Q3 2021.
2 Maxeon 435 W, 22.5% efficient, compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m²), 7.9% more energy per watt (based on PVSyst pan files for avg. US climate), 0.5%/yr slower degradation rate (Jordan, et. al. "Robust PV Degradation Methodology and Application."PVSC 2018).
3 Voltage range can be extended beyond nominal if required by the utility.
4 Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.
5 Factory set to IEEE 1547a-2014 default settings. CA Rule 21 default settings profile set during commissioning.
6 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C). All DC voltage is fully contained within the module.
7 UL Listed as PVRSE and conforms with NEC 2014 and NEC 2017 690.12; and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors; when installed according to manufacturer's instructions.
8 Please read the safety and installation instructions for more information regarding load ratings and mounting configurations.



Please read the safety and installation instructions for details.

See www.sunpower.com/company for more reference information.
Specifications included in this datasheet are subject to change without notice.

AC MODULE
GRID SUPPORT UTILITY INTERACTIVE
PV RAPID SHUTDOWN EQUIPMENT
LISTED E478330
Module Fire Performance: Type 2

539973 RevB
January 2022

SunPower® InvisiMount™ | Residential Mounting System

Simple and Fast Installation

- Integrated module-to-rail grounding
- Pre-assembled mid and end clamps
- Levitating mid clamp for easy placement
- Mid clamp width facilitates consistent, even module spacing
- UL 2703 Listed integrated grounding

Flexible Design

- Addresses sloped and low-sloped residential roofs
- Design in landscape and portrait with up to 8′ rail span
- Pre-drilled rails and rail splice
- Rails enable easy obstacle management

Customer-Preferred Aesthetics

- Best-in-class system aesthetics
- Black anodized components
- Low-profile mid clamps and capped, flush end clamps

Part of Superior System

- Best-in-class system reliability and aesthetics
- Optional rooftop transition flashing, rail-mounted J-box, and wire management rail clips
- Combine with SunPower modules and mySunPower® monitoring app

Elegant Simplicity

SunPower® InvisiMount™ is a SunPower-designed rail-based mounting system. The InvisiMount system addresses residential sloped roofs and combines faster installation time, design flexibility, and superior aesthetics. Classic InvisiMount is specifically envisioned and engineered to pair with SunPower modules; Universal InvisiMount is compatible with a wide range of modules. The resulting system-level approach amplifies the installation and aesthetic benefits—for homeowners and for installers.

sunpower.com

SunPower® InvisiMount™ | Residential Mounting System

InvisiMount Components

Classic InvisiMount


Ground Lug Assembly


Rail and Rail Splice


Mid Clamp


Row-to-Row Grounding Clip


Row-to-Row Spacer

End Clamp

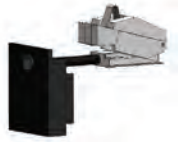
Universal InvisiMount


Ground Lug Assembly


Rail and Rail Splice


Universal Mid Clamp


Row-to-row Grounding Jumper (DynoBond)


Universal End Clamp

InvisiMount Component Details		
Classic mid clamp	Black oxide stainless steel 300 series	63 g (2.2 oz)
Universal mid clamp	Black anodized aluminum 6000 series	60 g (2.1 oz)
Classic end clamp	Black anodized aluminum 6000 series	110 g (3.88 oz)
Universal end clamp	Black anodized aluminum 6000 series	103 g (3.63 oz)
Rail	Black anodized aluminum 6000 series	830 g/m (9 oz/ft)
Rail splice	Aluminum alloy 6000 series	830 g/m (9 oz/ft)
Rail bolt	M10-1.5 × 25 mm; custom T-head SS304	18 g (0.63 oz)
Rail nut	M10-1.5; DIN 6923 SS304	nominal
Ground lug assembly	SS304; A2-70 bolt; tin-plated copper lug	106.5 g (3.75 oz)
Row-to-row grounding clip	SS 301 with SS 304 M6 bolts	75 g (2.6 oz)
Row-to-row grounding jumper	Stainless steel 300 series	10 g (0.35 oz)
Row-to-row spacer	Black POM-grade plastic	5 g (0.18 oz)

Roof Attachment BOM

- InvisiMount Comp Shingle Attachment with Pegasus
- InvisiMount Flat Tile Replacement Attachment with Pegasus
- InvisiMount S-Tile Replacement Attachment with Pegasus
- InvisiMount W-Tile Replacement Attachment with Pegasus

InvisiMount Warranties And Certifications	
Warranties	• 25-year product warranty • 5-year finish warranty
Certifications	• UL 2703 Listed • Class A Fire Rated

InvisiMount Operating Conditions	
Temperature	−40°C to 90°C (−40°F to 194°F)

Roof Attachment Hardware Warranties

Refer to roof attachment hardware manufacturer's documentation.

InvisiMount Component LRFD Capacities[2]		
Classic Mid clamp	Uplift	664 lbf
	Shear	540 lbf
Universal Mid clamp	Uplift	962 lb
	Shear	437 lb
Classic End clamp	Uplift	899 lbf
	Shear	220 lbf
Universal End clamp	Uplift	605 lb
	Shear	242 lb
Rail	Moment: upward	548 lbf-ft
	Moment: downward	580 lbf-ft
Rail splice	Moment: upward	548 lbf-ft
	Moment: downward	580 lbf-ft
L-foot	Uplift	1000 lbf
	Shear	390 lbf

[1] With Classic InvisiMount, a module frame that is compatible with the InvisiMount system is required for hardware interoperability; modules without this frame may be used with Universal InvisiMount.

[2] SunPower recommends that all Equinox™, InvisiMount™, and AC module systems always be designed using the InvisiMount Span Tables #524734. If a designer decides to instead use the component capacities listed in this document to design a system, note that the capacities shown are Load and Resistance Factor Design (LRFD) design loads, and are NOT to be used for Allowable Stress Design (ASD) calculations; and that a licensed Professional Engineer (PE) must then stamp all calculations. If you have any questions please contact SunPower Technical Support at 1-855-977-7867.

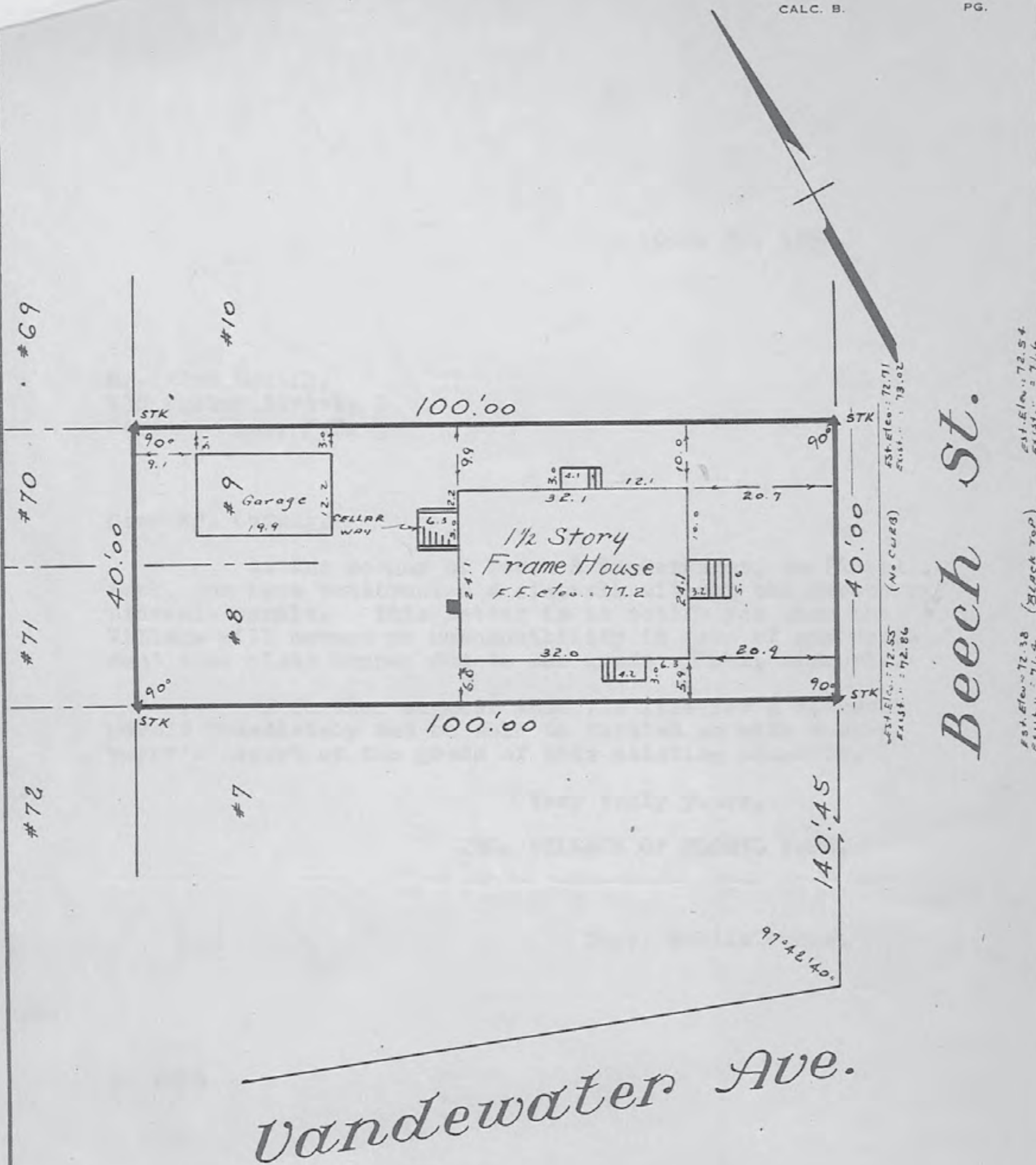
sunpower.com
509506 RevG

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
3	8:10 p.m.	206	Beech Street	Solar	Sofia Gonzales	Momentum Solar

206 Beech Street (Aerial View)

BUILDER'S No.

F. B. PG.
CALC. B. PG.



Note:
Elevations shown are on
Village of Floral Park Datum.

GUARANTEED TO
FLUSHING FEDERAL SAVINGS & LOAN
TITLE-COUNTY TITLE GUARANTY & MORTGAGE CO.
Howard J. Teas

SURVEY No. B - 657-"a"

SURVEY OF H.

LOT No.s 8 & 9

BLOCK No. 45

AS SHOWN ON THE MAP OF

Property Sec. 5 at Floral Park - Windsor Land & Improvement Co.

LOCATED IN Floral Park NASSAU CO. N. Y.

DATE April 30, 1952 SCALE 1 IN. = 20 FT.

TEAS AND STEINBRENNER
CIVIL ENGINEER & SURVEYORS

HOWARD J. TEAS, P. E. & L. S. — ERNEST STEINBRENNER, L. S.

125 CHURCH ST. MALVERNE, N. Y.

MEASUREMENTS U. S. STANDARD

FOUNDATION June 16, 1952 B-1069
House Loc: July 9, 1952 B-1812
FINAL Nov. 19, 1952 B-2725

CHECKED PLOT LOCATION FINAL

PLAN KEY	
PV-1	COVER PAGE
PV-1(2)	ATTACHMENT DETAIL
PV-2	PANEL LAYOUT
PV-2(2)	PLOT PLAN
PV-2(3)	ELEVATION-1
PV-2(4)	ELEVATION-2
PV-2(5)	ELEVATION-3
PV-3	ELECTRICAL
PV-4	EQUIPMENT LABELS

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK-G10+ 365
INVERTER	ENPHASE IQ8PLUS-72-2-US
RACKING	ROOFTECH RT-APEX
SYSTEM SIZE (DC)	5.11 KW
LOCATION	40.7137941,-73.7047872

GENERAL NOTES:

THIS PV SYSTEM HAS BEEN DESIGNED TO MEET THE MINIMUM DESIGN STANDARDS FOR BUILDING AND OTHER STRUCTURES OF THE ASCE 7-16, 2020 NYS BUILDING CODE AND 2020 NYS RESIDENTIAL CODE, NEC 2017 AND ALL LOCAL CODES & ORDINANCES.

AN 18" WIDE (FREE OF SOLAR EQUIPMENT) SHALL BE PROVIDED ON BOTH SIDES OF THE ROOF. NOT FEWER THAN TWO PATHWAYS, ON SEPARATE ROOF PLANES FROM LOWEST ROOF EDGE TO RIDGE AND NOT LESS THAN 36 INCHES (914 MM) WIDE, SHALL BE PROVIDED ON ALL BUILDINGS. NOT FEWER THAN ONE PATHWAY SHALL BE PROVIDED ON THE STREET OR DRIVEWAY SIDE OF THE ROOF. FOR EACH ROOF PLANE WITH A PHOTOVOLTAIC ARRAY, A PATHWAY NOT LESS THAN 36 INCHES WIDE (914 MM) SHALL BE PROVIDED FROM THE LOWEST ROOF EDGE TO RIDGE ON THE SAME ROOF PLANE AS THE PHOTOVOLTAIC ARRAY, ON AN ADJACENT ROOF PLANE, OR STRADDLING THE SAME AND ADJACENT ROOF PLANES.

ROOF SHALL HAVE NO MORE THAN TWO LAYERS OF COVERING IN ADDITION TO THE SOLAR EQUIPMENT.

INSTALLATION OF SOLAR EQUIPMENT SHALL BE FLUSH MOUNTED, PARALLEL TO AND NO MORE THAN 6-INCHES ABOVE THE SURFACE OF THE ROOF.

WEIGHT OF THE INSTALLED SYSTEM SHALL NOT EXCEED MORE THAN 5-PSF FOR PHOTOVOLTAIC AND NO MORE THAN 6-PSF FOR RESIDENTIAL SOLAR HOT WATER SYSTEMS.

ANY PLUMBING VENTS ARE NOT TO BE CUT OR COVERED FOR SOLAR EQUIPMENT INSTALLATION. ANY RELOCATION OR MODIFICATION OF THE VENT REQUIRES A PLUMBING PERMIT AND INSPECTION.

INVERTER PLACEMENT:

SYSTEM UTILIZES "ENPHASE" MICRO-INVERTERS WITH RAPID SHUTDOWN CONTROL LOCATED ON THE BACK SIDE OF EACH MODULE.

BUILDING REVIEW NOTE:

TOWN BUILDING PLANS EXAMINER HAS RECEIVED THE ENCLOSED DOCUMENT FOR MINIMUM ACCEPTABLE PLAN SUBMITTAL REQUIREMENTS OF THE TOWN AS SPECIFIED IN THE BUILDING AND/OR RESIDENTIAL CODE OF THE STATE OF NEW YORK. THISREVIEW DOES NOT GUARANTEE COMPLIANCE OF THAT CODE. THAT RESPONSIBILITY IS GUARANTEED UNDER THE SEAL AND SIGNATURE OF THE NEW YORK LICENSED DESIGN PROFESSIONAL OF RECORD. THAT SEAL AND SIGNATURE HAS BEEN INTERPRETED AS AN ATTESTATION THAT, TO THE BEST OF THE LICENSEE'S BELIEF AND INFORMATION, THE WORK IN DOCUMENT IS:

1. ACCURATE
2. CONFORMS WITH GOVERNING CODES APPLICABLE AT THE TIME OF THE SUBMISSION.
3. CONFORMS WITH REASONABLE STANDARDS OF PRACTICE AND WITH VIEW TO THE SAFEGUARDING OF LIFE, HEALTH, PROPERTY AND PUBLIC WELFARE IS THE RESPONSIBILITY OF THE LICENSEE.

THE RESPONSIBLE LICENSED DESIGN PROFESSIONAL SHALL PROVIDE A SIGNED AND SEALED LETTER CERTIFYING THE INSTALLATION WAS INSPECTED AND CONFORMS TO THE PLANS AND REQUIREMENTS OF THE 2020 NYS BUILDING CODE AND 2020 NYS RESIDENTIAL CODE. THIS INSPECTION AND CERTIFICATION LETTER SHALL BE PERFORMED AFTER INSTALLATIONS ARE COMPLETED AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING OF FINAL INSPECTION.

THE UL CERTIFICATE OF ELECTRICAL INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING OF FINAL INSPECTION.

BILL OF MATERIALS	
MODULES	14
INVERTERS	14
ROOFTECH BASE	51
MID CLAMP	22
END CLAMP	21
END SPLICE	8
END FLOATING SPLICE	8
MID FLOATING SPLICE	12
SKIRTS	6
ENPHASE COMBINER BOX	1
NON-FUSIBLE SOLAR AC DISCONNECT	1
30A BREAKER	1

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PROFESSIONAL ENGINEERING

MINA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
3096B HAMILTON BLVDSOUTH PLAINFIELD, NJ 07080
ENGINEERING LETTER ATTACHED HAS SPECIFICATIONS FOR WIND AND LOAD CALCULATIONS FOR SOLAR INSTALLATION SPANS & ATTACHMENTS TO MEET LOCAL AND STATE BUILDING CODE COMPLIANCE. WARNING THAT IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL, TO ALTER AN ITEM IN ANY WAY.

CUSTOMER INFORMATION

SOFIA GONZALES - MS117216

206 BEECH STREET
FLORAL PARK, NY 11001
5165543002

JURISTICTION: NASSAU
UTILITY: PSEGLI
UTILITY ACCT #:
UTILITY METER #:

PV SYSTEM INFORMATION

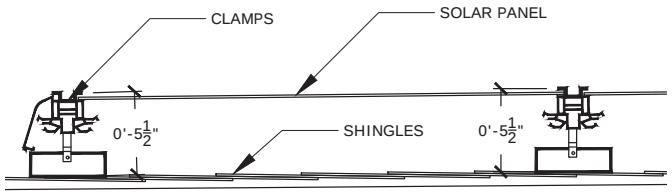
SYSTEM SIZE (DC): 5.11 KW
SYSTEM SIZE (AC): 4.06 KVA
14 MODULES: HANWHA Q.PEAK DUO BLK-G10+ 365
(SAFE HARBOR MODULES: 0)
14 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION		
INITIAL	DATE: 1/23/2023	DESIGNER: SH
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

COVER PAGE

PV-1

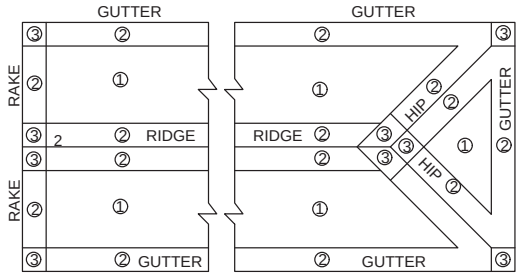
1. ALL WIND DESIGN CRITERIA ARE FOR LOW SLOPE ROOFS, GABLE AND HIP ROOFS CONSIDERED FROM AN ANGLE OF MIN. 9.5 ° ($\frac{2}{12}$) TO MAX. 45° ($\frac{12}{12}$) NOT TO EXCEED 30' MEAN ROOF HEIGHT ATTACHED WITH FASTENERS AS SPECIFIED BY THE MANUFACTURER.
2. SPAN TABLES ARE DERIVED FROM MECHANICAL LOAD TESTS PERFORMED BY THE MANUFACTURERS INDEPENDENT TESTING AGENCIES ON BEHALF OF THE MANUFACTURER.
3. ROOF SEALANTS SHALL CONFORM TO ASTMC920 AND ASTM 6511
4. ALL ATTACHMENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.



CROSS SECTION OF ROOF SHOWING ATTACHMENT DETAILS

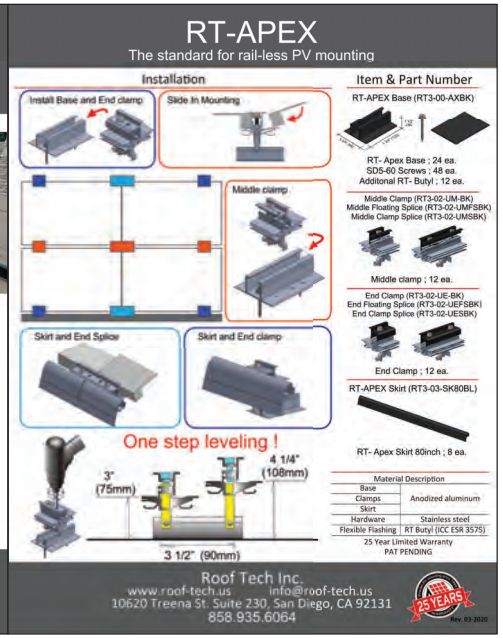
SCALE: 1-1/2" = 1"

ATTACHMENT SPACING EXCEED MANUFACTURERS SPECIFICATIONS FOR WIND LOADS AS PER ASCE 07-16. RISK CATEGORY II TOPOGRAPHIC EFFECTS B,C, & D AND ROOF WIND ZONES 1,2,& 3. ROOF ZONES 2 & 3 ARE WITHIN 48" OF ANY OUTER EDGE, HIP, RIDGE, OR GUTTER LINE FOR STRUCTURES 30'- 0" OR LESS MEAN ROOF HEIGHT.



ROOF WIND ZONES AS PER IRC R301.2(7)
ROOF ZONES 2 & 3 ARE 48" FROM OUTTER ROOF EDGES, RIDGES, HIPS, RAKES, AND GUTTER EDGES FOR STRUCTURES BELOW 30'-0" MEAN ROOF HT.

TOTAL WEIGHT OF PV MODULES AND RAILS	585.9 LBS
TOTAL NUMBER OF ATTACHMENT POINTS	43
WEIGHT PER ATTACHMENT POINT	13.625581395348 8 LBS
TOTAL SURFACE AREA OF PV MODULES	253.96 SQFT
DISTRIBUTED WEIGHT OF PV MODULE ON ROOF	2.31 LBS./SQFT



CLIMATIC & GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(1)	
GROUND SNOW LOAD(LBS/SF)	25
SPEED (MPH)	130
TOPOGRAPHIC EFFECTS	B
SPECIAL WIND REGION	NO
WIND BORNE DEBRIS ZONE	2
SEISMIC DESIGN CATEGORY	C
CLIMATE ZONE	4A
WIND EXPOSURE CATEGORY	B

STRUCTURAL STATEMENT:

THE EXISTING STRUCTURE IS ADEQUATE TO SUPPORT THE NEW LOADS IMPOSED BY THE PHOTOVOLTAIC MODULE SYSTEM INCLUDING UPLIFT & SHEAR.EXISTING RAFTER SIZES & DIMENSIONS CONFIRM TO 2020 NYS BUILDING CODE AND RESIDENTIAL CODE TABLE R802.5(1)-JOIST SPANS.

MOUNTING BRACKETS AND HARDWARE MEET OR EXCEED NEW YORK STATE CODE REQUIREMENTS FOR THE DESIGN CRITERIA OF THE TOWN.

HANWHA Q.PEAK DUO BLK-G10+ 365
365 WATT MODULE
67.6'' X 41.1'' X 1.26''
(SEE DATASHEET)

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5165543002

JURISTICTION: NASSAU
UTILITY: PSEGLI
UTILITY ACCT #:
UTILITY METER #:

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SYSTEM SIZE (AC): 4.06 KVA
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(SAFE HARBOR MODULES: 0)
14 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION

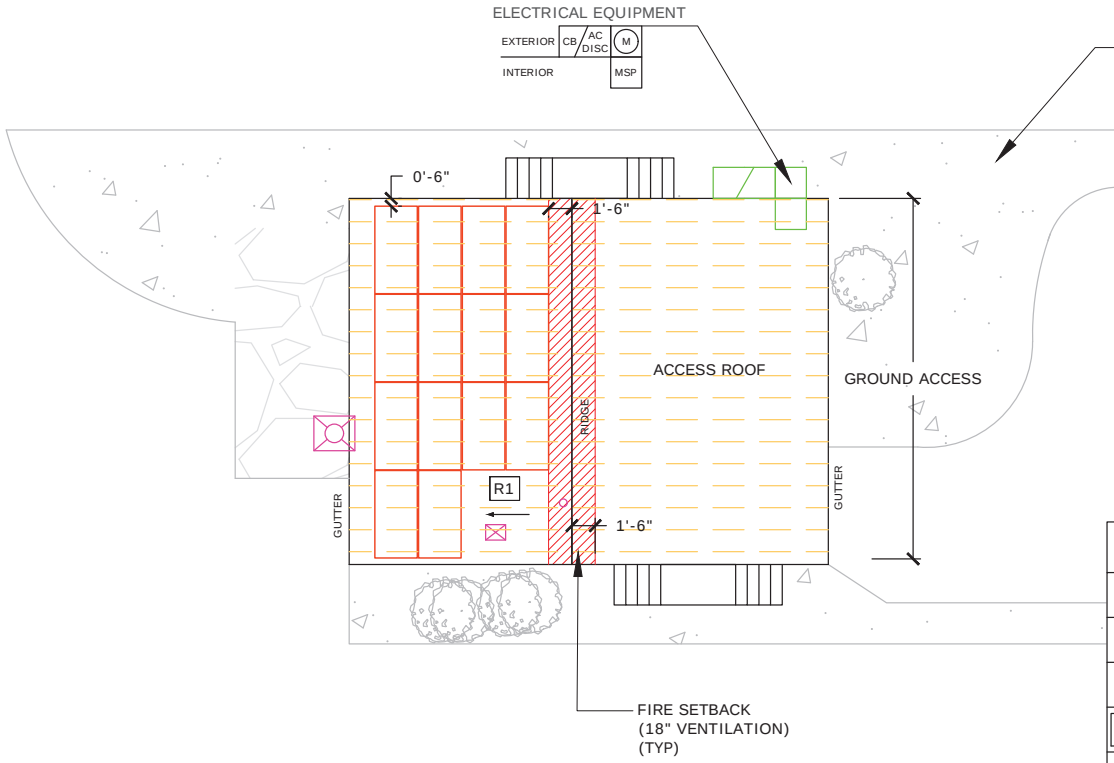
INITIAL	DATE: 1/23/2023	DESIGNER: SH
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

ATTACHMENT DETAIL

PV-1(2)

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

ROOF	MODULE COUNT	TILT	AZIMUTH	SHADING	LANDSCAPE MAX SPAN (ROOF AREA 1/2/3)	PORTRAIT MAX SPAN (ROOF AREA 1/2/3)
R1	14	37°	292°	88%	66 /66 /66	39 /39 /39



SYMBOL LEGEND

MSP	MAIN SERVICE PANEL		CHIMNEY
SP	SUB-PANEL		SKYLIGHT
M	UTILITY METER		VENT
CB / AC DISC	COMBINER BOX/AC DISCONNECT		PIPE VENT
UDC	UTILITY DISCONNECT		FAN
LC	LOAD CENTER		SATELLITE DISH
N3R	NEMA 3R BOX W/ ENVOY-S		FIRE SETBACKS
CB	COMBINER BOX		GROUND ACCESS
PF	PERFORMANCE METER		PITCH DIRECTION
	MODULE		

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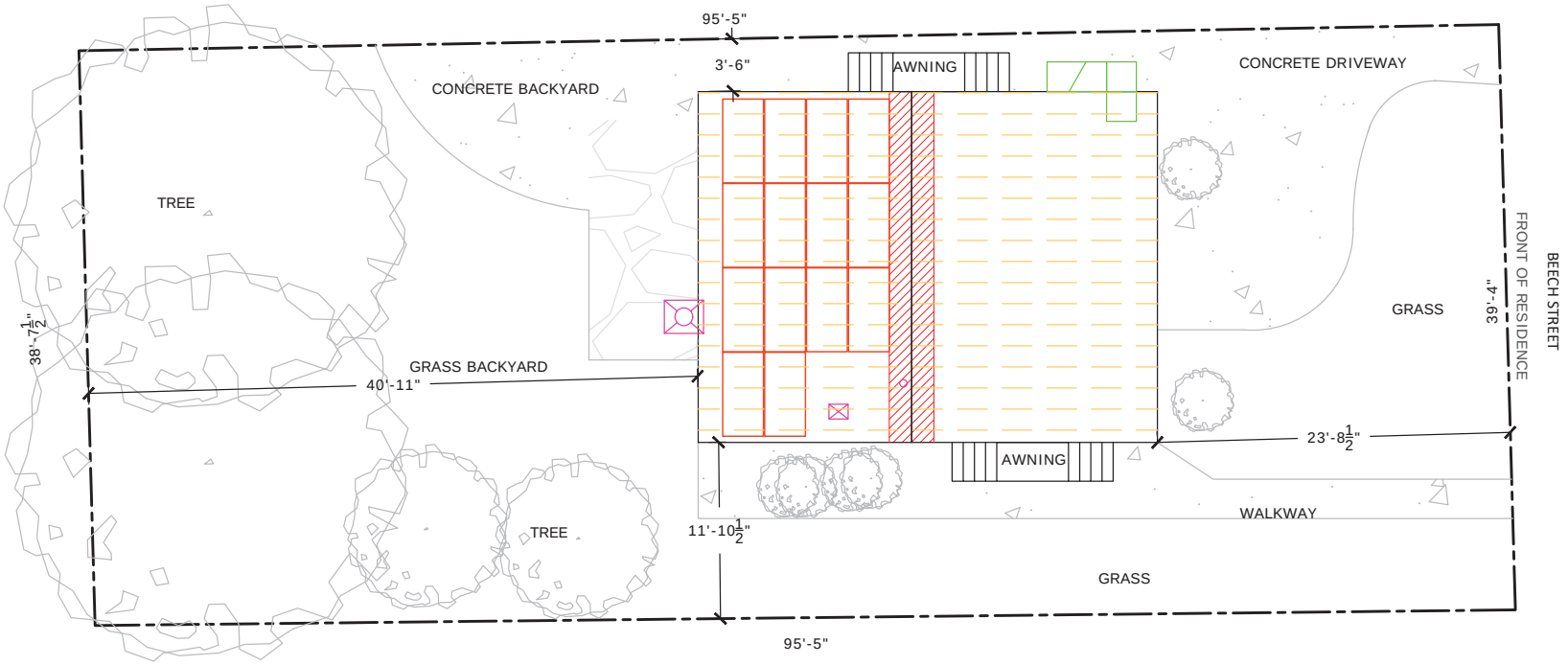
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

PANEL LAYOUT

PV-2

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



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INITIAL	DATE: 1/23/2023	DESIGNER: SH
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REV:	DATE:	DESIGNER:

PLOT PLAN

PV-2(2)

FRONT ELEVATION

SCALE: 3/16" = 1'-0"

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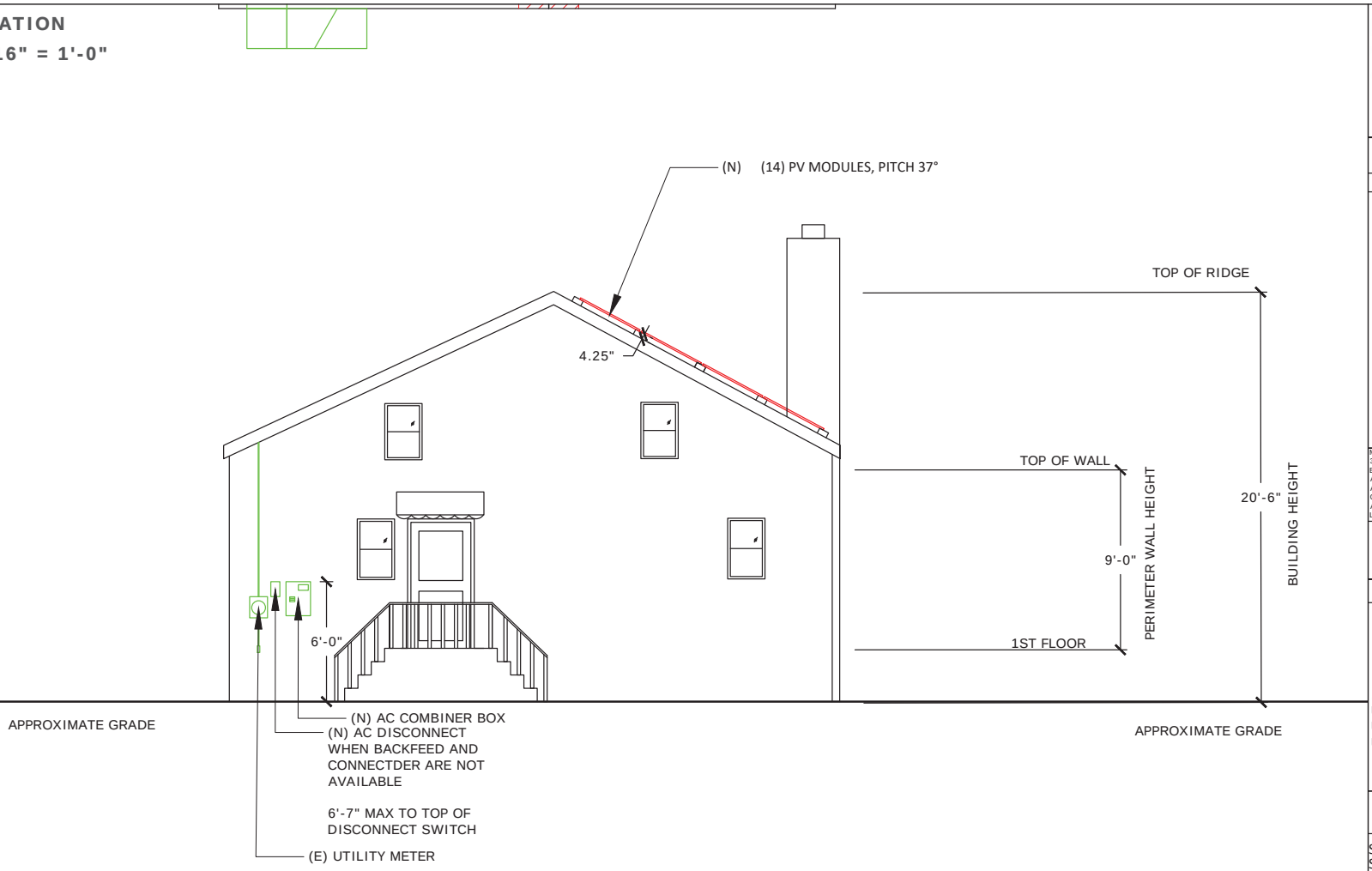
REV:	DATE:	DESIGNER:

ELEVATION-1

PV-2(3)

SIDE ELEVATION

SCALE: 3/16" = 1'-0"



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PROJECT INFORMATION		
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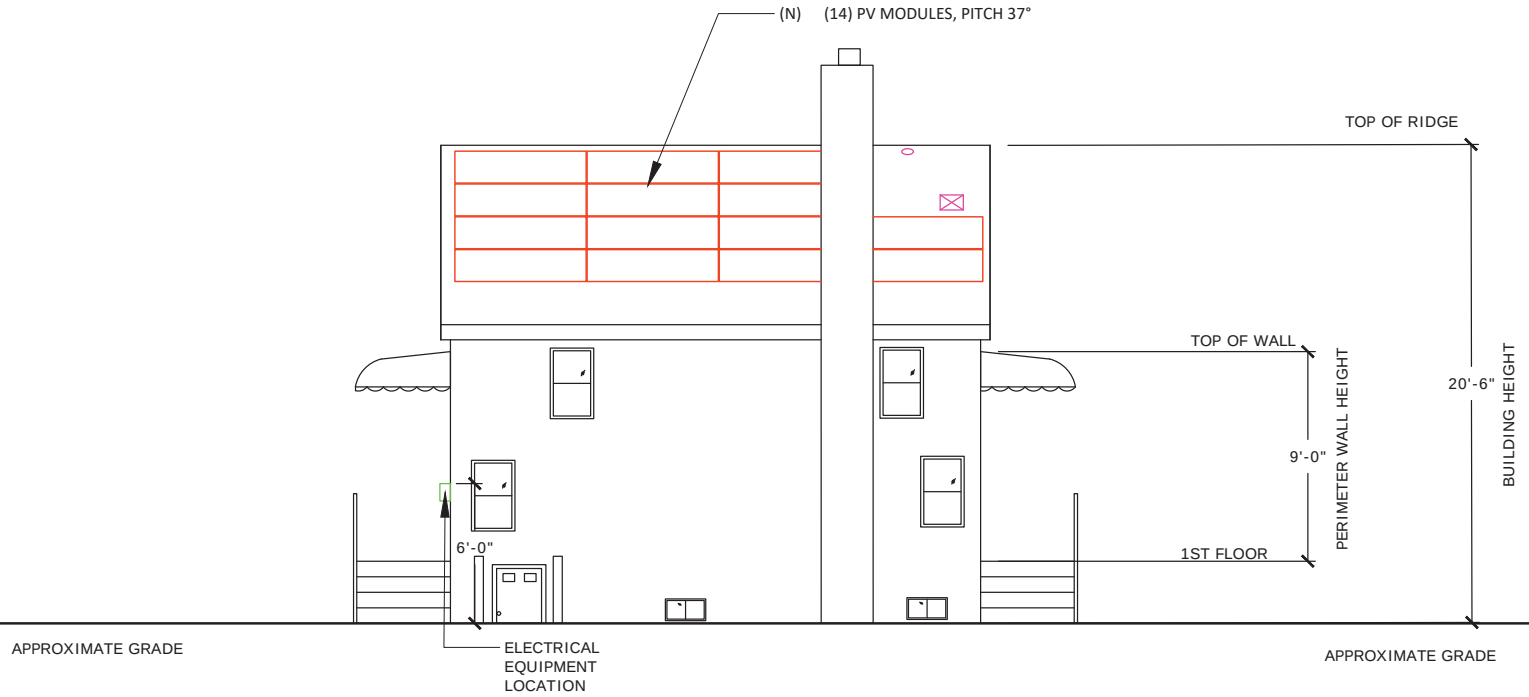
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

ELEVATION-2

PV-2(4)

REAR ELEVATION

SCALE: 3/16" = 1'-0"



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(SAFE HARBOR MODULES: 0)
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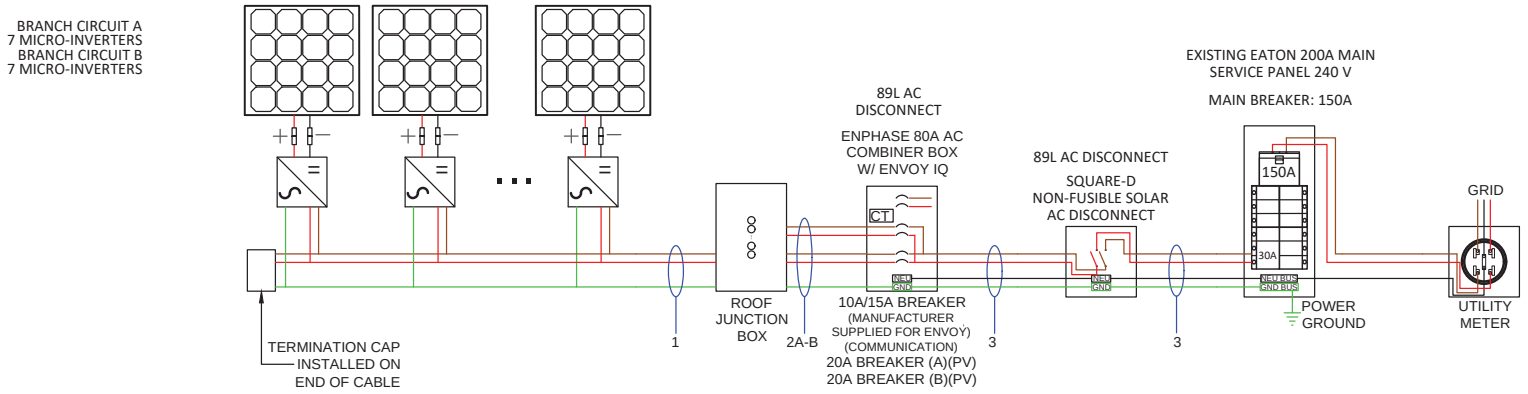
PROJECT INFORMATION		
INITIAL	DATE: 1/23/2023	DESIGNER: SH
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

ELEVATION-3

PV-2(5)

14 HANWHA Q.PEAK DUO BLK-G10+ 365 365W MODULES PAIRED WITH
14 ENPHASE IQ8PLUS-72-2-US MICRO-INVERTERS



120% RULE

(BUS RATING x 1.2) - MAIN BREAKER = BACKFEED AVAILABLE

(200A x 1.2) - 150A = 90A BACKFEED AVAILABLE

ELECTRICAL NOTES:

1. ALL CALCULATIONS FOR VOC, VMAX, IMP AND ISC HAVE BEEN CALCULATED USING THE MANUFACTURED STRING CALCULATOR BASED ON ASHRAE 2% HIGH AND EXTREME MINIMUM TEMPERATURE COEFICIENTS.
2. THE ENTIRE ARRAY IS BONDED ACCORDING TO (NEC 690.46 - 250.120 PARAGRAPH C).
3. BRANCH CIRCUIT CALCULATION FOR WIRE TAG 1 DISPLAYS THE LARGEST BRANCH CIRCUIT IN SYSTEM. OTHER BRANCH CIRCUITS WILL HAVE LOWER DESIGN CURRENT THAN THE ONE SHOWN.
4. THIS SYSTEM COMPLIES WITH NEC 2017
89L VISIBLY BROKEN, LOCKABLE, LABELLED, GANG OPERATED LOAD BREAKER.
5. ALL CONDUCTORS ARE SIZED BASED ON NEC 2017 ARTICLE 310
6. ALL EQUIPMENT INSTALLED IS RATED AT 75°C UNLESS NOTED
7. INVERTER NOC (NOMINAL OPEN CURRENT) OBTAINED FROM EQUIPMENT DATA SHEET
8. GROUNDING CONDUCTOR RUN WITH PHASE CONDUCTOR IN THE SAME CONDUIT.
9. SYSTEM IS CONSIDERED AN AC MODULE SYSTEM. NO DC CONDUCTORS ARE PRESENT IN CONDUIT, COMBINER, JUNCTION BOX, DISCONNECT. AND COMPILES WITH 690.6- NO DC. DISCONNECT AND ASSOCIATED DC CABLING ARE REQUIRED.
10. SYSTEM COMPLIES WITH 690.12 RAPID SHUTDOWN AND ASSOCIATED LABELING AS PER 690.56(C)(3). AC VOLTAGE AND SYSTEM OPERATING CURRENT SHALL BE PROVIDED AS PER 690.52.
11. CONDUCTORS IN CONDUIT ARE AC CONDUCTORS - BRANCH CIRCUITS AND NOT PV SOURCE CIRCUITS 690.6.
12. ALL GROUNDING SHALL COMPLY WITH 690.47(A) IN THAT THE AC MODULES SHALL COMPLY WITH 250.64.
13.NO TERMINALS WILL BE ENERGIZED IN THE OPEN POSITION IN THIS AC MODULE SYSTEM 690.6, 690.17.
14. WHERE APPLICABLE, INTERCONNECTION SHALL COMPLY WITH 705.12(A) OR 705.12(B) AS PERMITTED BY 230.82(6)

Wire Tag	Conduit	Wire Qty	Wire Gauge	Wire Type	Temp. Rating	Wire Ampacity (A)	Temp. Derate	Conduit Fill Derate	Derated Ampacity (A)	Inverter Qty	NOC (A)	NEC Correction	Design Current (A)	Ground Size	Ground Wire Type
1	OPEN AIR	2	12 AWG	Trunk Cable	90°C	30	0.96	1	28.80	7	1.21	1.25	10.59	12 AWG	Trunk Cable
2A	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	7	1.21	1.25	10.59	08 AWG	THWN-2
2B	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	7	1.21	1.25	10.59	08 AWG	THWN-2
3	3/4" PVC	3	10 AWG	THWN-2	75°C	35	0.96	1	33.60	14	1.21	1.25	21.18	08 AWG	THWN-2

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STATE OF NEW YORK · MINA A. MAKAR · 104468 · LICENSED PROFESSIONAL ENGINEER

MINA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
3096B HAMILTON BLVDSOUTH PLAINFIELD, NJ 07080

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ELECTRICIAN

PRO CUSTOM SOLAR DBA MOMENTUM SOLAR
JEFFREY MARINELLO, (732) 902-6224
3096 HAMILTON BLVD. BUILDING B, SOUTH PLAINFIELD, NJ 07080

CUSTOMER INFORMATION

SOFIA GONZALES - MS117216
206 BEECH STREET
FLORAL PARK, NY 11001
5165543002

JURISTICTION: NASSAU
UTILITY: PSEGLI
UTILITY ACCT #:
UTILITY METER #:

PV SYSTEM INFORMATION

SYSTEM SIZE (DC): 5.11 KW
SYSTEM SIZE (AC): 4.06 KVA
14 MODULES: HANWHA Q.PEAK DUO BLK-G10+ 365
(SAFE HARBOR MODULES: 0)
14 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION

INITIAL	DATE: 1/23/2023	DESIGNER: SH
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

ELECTRICAL

PV-3

powered by Q.ANTUM DUO Z

PRELIMINARY

Q.PEAK DUO BLK-G10+
350-370

ENDURING HIGH PERFORMANCE

Quality Controlled PV
TÜVRheinland CERTIFIED
www.tuv.com ID 1111232615

ntv GERMANY'S MOST POPULAR PROVIDER Life & Living Award 2021 1st Place Solar Technology

25 YR Warranty Product & Performance

EUPD RESEARCH TOP BRAND PV MODULES EUROPE 2021

Q CELLS Yield Security

BREAKING THE 20% EFFICIENCY BARRIER
Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.

THE MOST THOROUGH TESTING PROGRAMME IN THE INDUSTRY
Q CELLS is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.

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 Technology[1], Hot-Spot Protect and Traceable Quality Tra.Q™.

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 warranty[2].

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

THE IDEAL SOLUTION FOR:

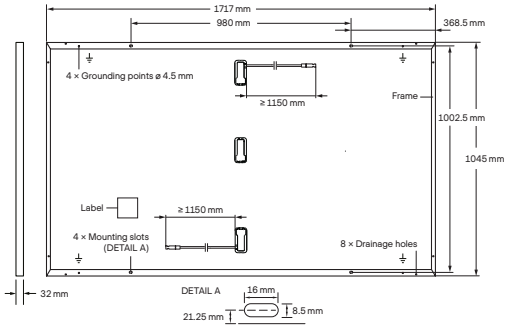
Rooftop arrays on residential buildings

Engineered in Germany

Q CELLS

MECHANICAL SPECIFICATION

Format	1717 mm × 1045 mm × 32 mm (including frame)
Weight	19.9 kg
Front Cover	3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 20 monocrystalline Q.ANTUM solar half cells
Junction box	53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥1150 mm, (–) ≥1150 mm
Connector	Stäubli MC4; IP68

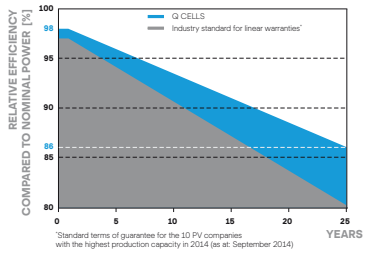


ELECTRICAL CHARACTERISTICS

POWER CLASS				350	355	360	365	370
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC[1] (POWER TOLERANCE +5 W / –0 W)								
Minimum	Power at MPP[1]	P_{MPP}	[W]	350	355	360	365	370
	Short Circuit Current[1]	I_{SC}	[A]	10.97	11.00	11.04	11.07	11.10
	Open Circuit Voltage[1]	V_{OC}	[V]	41.11	41.14	41.18	41.21	41.24
	Current at MPP	I_{MPP}	[A]	10.37	10.43	10.49	10.56	10.62
	Voltage at MPP	V_{MPP}	[V]	33.76	34.03	34.31	34.58	34.84
	Efficiency[1]	η	[%]	≥19.5	≥19.8	≥20.1	≥20.3	≥20.6
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT[2]								
Minimum	Power at MPP	P_{MPP}	[W]	262.6	266.3	270.1	273.8	277.6
	Short Circuit Current	I_{SC}	[A]	8.84	8.87	8.89	8.92	8.95
	Open Circuit Voltage	V_{OC}	[V]	38.77	38.80	38.83	38.86	38.90
	Current at MPP	I_{MPP}	[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

[1]Measurement 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 • [2]800 W/m², NMOT, spectrum AM 1.5

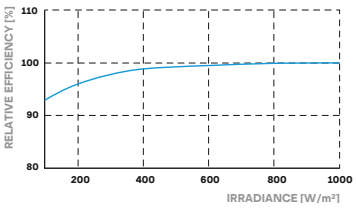
Q CELLS PERFORMANCE WARRANTY



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.

PERFORMANCE AT LOW IRRADIANCE



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

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{SC}	α	[%/K]	+0.04	Temperature Coefficient of V_{OC}	β	[%/K]	–0.27
Temperature Coefficient of P_{MPP}	γ	[%/K]	–0.34	Nominal Module Operating Temperature	NMOT	[°C]	43±3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS}	[V]	1000	PV module classification	Class II
Maximum Reverse Current	I_R	[A]	20	Fire Rating based on ANSI / UL 61730	C / TYPE 2
Max. Design Load, Push / Pull		[Pa]	3600 / 2660	Permitted Module Temperature on Continuous Duty	–40 °C - +85 °C
Max. Test Load, Push / Pull		[Pa]	5400 / 4000		

QUALIFICATIONS AND CERTIFICATES

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

TÜVRheinland CERTIFIED
www.tuv.com
ID 1111220277

CE

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

Engineered in Germany

Q CELLS

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
4	8:15 p.m.	462	Carnation Avenue	Solar	Reudel Diaz	Momentum Solar

462 Carnation Avenue (Aerial View)

PLAN KEY	
PV-1	COVER PAGE
PV-1(2)	COVER PAGE CONT.
PV-2	PANEL LAYOUT
PV-2(2)	PLOT PLAN
PV-3	ELEVATION 1
PV-4	ELEVATION 2
PV-5	ELEVATION 3
PV-6	ELEVATION 4
PV-7	ELECTRICAL
PV-8	EQUIPMENT LABELS

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK-G10+ 365
INVERTER	ENPHASE IQ8PLUS-72-2-US
RACKING	ROOFTECH RT-APEX
SYSTEM SIZE (DC)	12.775 KW
LOCATION	40.7163079,-73.6929190

GENERAL NOTES:

THIS PV SYSTEM HAS BEEN DESIGNED TO MEET THE MINIMUM DESIGN STANDARDS FOR BUILDING AND OTHER STRUCTURES OF THE ASCE 7-16, 2020 NYS BUILDING CODE AND 2020 NYS RESIDENTIAL CODE, NEC 2017 AND ALL LOCAL CODES & ORDINANCES.

AN 18" WIDE (FREE OF SOLAR EQUIPMENT) SHALL BE PROVIDED ON BOTH SIDES OF THE ROOF. NOT FEWER THAN TWO PATHWAYS, ON SEPARATE ROOF PLANES FROM LOWEST ROOF EDGE TO RIDGE AND NOT LESS THAN 36 INCHES (914 MM) WIDE, SHALL BE PROVIDED ON ALL BUILDINGS. NOT FEWER THAN ONE PATHWAY SHALL BE PROVIDED ON THE STREET OR DRIVEWAY SIDE OF THE ROOF. FOR EACH ROOF PLANE WITH A PHOTOVOLTAIC ARRAY, A PATHWAY NOT LESS THAN 36 INCHES WIDE (914 MM) SHALL BE PROVIDED FROM THE LOWEST ROOF EDGE TO RIDGE ON THE SAME ROOF PLANE AS THE PHOTOVOLTAIC ARRAY, ON AN ADJACENT ROOF PLANE, OR STRADDLING THE SAME AND ADJACENT ROOF PLANES.

ROOF SHALL HAVE NO MORE THAN TWO LAYERS OF COVERING IN ADDITION TO THE SOLAR EQUIPMENT.

INSTALLATION OF SOLAR EQUIPMENT SHALL BE FLUSH MOUNTED, PARALLEL TO AND NO MORE THAN 6-INCHES ABOVE THE SURFACE OF THE ROOF.

WEIGHT OF THE INSTALLED SYSTEM SHALL NOT EXCEED MORE THAN 5-PSF FOR PHOTOVOLTAIC AND NO MORE THAN 6-PSF FOR RESIDENTIAL SOLAR HOT WATER SYSTEMS.

ANY PLUMBING VENTS ARE NOT TO BE CUT OR COVERED FOR SOLAR EQUIPMENT INSTALLATION. ANY RELOCATION OR MODIFICATION OF THE VENT REQUIRES A PLUMBING PERMIT AND INSPECTION.

INVERTER PLACEMENT:

SYSTEM UTILIZES "ENPHASE" MICRO-INVERTERS WITH RAPID SHUTDOWN CONTROL LOCATED ON THE BACK SIDE OF EACH MODULE.

BUILDING REVIEW NOTE:

TOWN BUILDING PLANS EXAMINER HAS RECEIVED THE ENCLOSED DOCUMENT FOR MINIMUM ACCEPTABLE PLAN SUBMITTAL REQUIREMENTS OF THE TOWN AS SPECIFIED IN THE BUILDING AND/OR RESIDENTIAL CODE OF THE STATE OF NEW YORK. THISREVIEW DOES NOT GUARANTEE COMPLIANCE OF THAT CODE. THAT RESPONSIBILITY IS GUARANTEED UNDER THE SEAL AND SIGNATURE OF THE NEW YORK LICENSED DESIGN PROFESSIONAL OF RECORD. THAT SEAL AND SIGNATURE HAS BEEN INTERPRETED AS AN ATTESTATION THAT, TO THE BEST OF THE LICENSEE'S BELIEF AND INFORMATION, THE WORK IN DOCUMENT IS:

1. ACCURATE
2. CONFORMS WITH GOVERNING CODES APPLICABLE AT THE TIME OF THE SUBMISSION.
3. CONFORMS WITH REASONABLE STANDARDS OF PRACTICE AND WITH VIEW TO THE SAFEGUARDING OF LIFE, HEALTH, PROPERTY AND PUBLIC WELFARE IS THE RESPONSIBILITY OF THE LICENSEE.

THE RESPONSIBLE LICENSED DESIGN PROFESSIONAL SHALL PROVIDE A SIGNED AND SEALED LETTER CERTIFYING THE INSTALLATION WAS INSPECTED AND CONFORMS TO THE PLANS AND REQUIREMENTS OF THE 2020 NYS BUILDING CODE AND 2020 NYS RESIDENTIAL CODE. THIS INSPECTION AND CERTIFICATION LETTER SHALL BE PERFORMED AFTER INSTALLATIONS ARE COMPLETED AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING OF FINAL INSPECTION.

THE UL CERTIFICATE OF ELECTRICAL INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO SCHEDULING OF FINAL INSPECTION.

BILL OF MATERIALS	
MODULES	35
INVERTERS	35
ROOFTECH BASE	119
MID CLAMP	68
END CLAMP	41
END SPLICE	10
END FLOATING SPLICE	13
MID FLOATING SPLICE	26
SKIRTS	12
ENPHASE COMBINER BOX	1
SOLAR AC DISCONNECT	1
60A OCPD	1
125A LINE TAPS	2

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3096 HAMILTON BLVD. BUILDING B, S.PLAINFIELD, NJ
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PROFESSIONAL ENGINEERING

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CUSTOMER INFORMATION

REUDEL DIAZ - MS120713

462 CARNATION AVE
FLORAL PARK, NY 11001
7188098937

JURISTICTION: NASSAU
UTILITY: PSEGLI
UTILITY ACCT #: 5152619701
UTILITY METER #: 98431239

PV SYSTEM INFORMATION

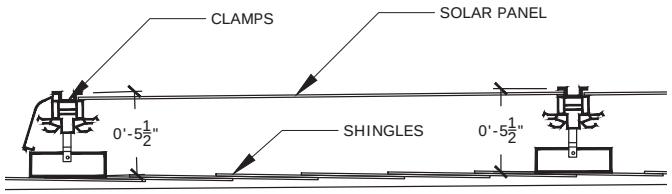
SYSTEM SIZE (DC): 12.775 KW
SYSTEM SIZE (AC): 10.15 KVA
35 MODULES: HANWHA Q.PEAK DUO BLK-G10+ 365
(SAFE HARBOR MODULES: 0)
35 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION		
INITIAL	DATE: 3/21/2023	DESIGNER: SF
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

COVER PAGE

PV-1

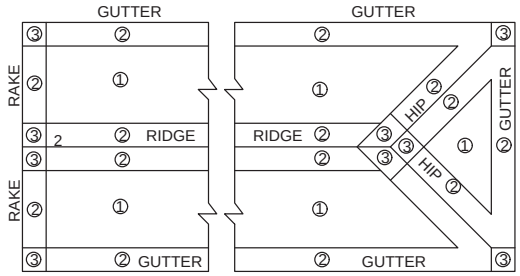
1. ALL WIND DESIGN CRITERIA ARE FOR LOW SLOPE ROOFS, GABLE AND HIP ROOFS CONSIDERED FROM AN ANGLE OF MIN. 9.5 ° ($\frac{2}{12}$) TO MAX. 45° ($\frac{12}{12}$) NOT TO EXCEED 30' MEAN ROOF HEIGHT ATTACHED WITH FASTENERS AS SPECIFIED BY THE MANUFACTURER.
2. SPAN TABLES ARE DERIVED FROM MECHANICAL LOAD TESTS PERFORMED BY THE MANUFACTURERS INDEPENDENT TESTING AGENCIES ON BEHALF OF THE MANUFACTURER.
3. ROOF SEALANTS SHALL CONFORM TO ASTMC920 AND ASTM 6511
4. ALL ATTACHMENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.



CROSS SECTION OF ROOF SHOWING ATTACHMENT DETAILS

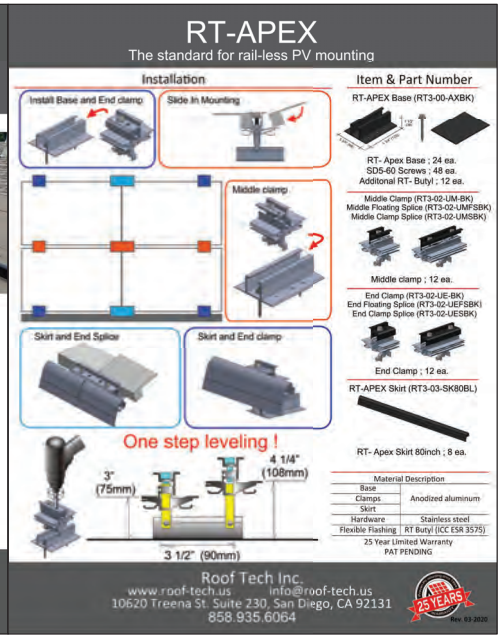
SCALE: 1-1/2" = 1"

ATTACHMENT SPACING EXCEED MANUFACTURERS SPECIFICATIONS FOR WIND LOADS AS PER ASCE 07-16. RISK CATEGORY II TOPOGRAPHIC EFFECTS B,C, & D AND ROOF WIND ZONES 1,2,& 3. ROOF ZONES 2 & 3 ARE WITHIN 48" OF ANY OUTER EDGE, HIP, RIDGE, OR GUTTER LINE FOR STRUCTURES 30'- 0" OR LESS MEAN ROOF HEIGHT.



ROOF WIND ZONES AS PER IRC R301.2(7)
ROOF ZONES 2 & 3 ARE 48" FROM OUTTER ROOF EDGES, RIDGES, HIPS, RAKES, AND GUTTER EDGES FOR STRUCTURES BELOW 30'-0" MEAN ROOF HT.

TOTAL WEIGHT OF PV MODULES AND RAILS	1464.75 LBS
TOTAL NUMBER OF ATTACHMENT POINTS	109
WEIGHT PER ATTACHMENT POINT	13.438073394495 4 LBS
TOTAL SURFACE AREA OF PV MODULES	634.9 SQFT
DISTRIBUTED WEIGHT OF PV MODULE ON ROOF	2.31 LBS./SQFT



CLIMATIC & GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(1)	
GROUND SNOW LOAD(LBS/SF)	25
SPEED (MPH)	120
TOPOGRAPHIC EFFECTS	B
SPECIAL WIND REGION	NO
WIND BORNE DEBRIS ZONE	2
SEISMIC DESIGN CATEGORY	C
CLIMATE ZONE	4A
WIND EXPOSURE CATEGORY	B

STRUCTURAL STATEMENT:

THE EXISTING STRUCTURE IS ADEQUATE TO SUPPORT THE NEW LOADS IMPOSED BY THE PHOTOVOLTAIC MODULE SYSTEM INCLUDING UPLIFT & SHEAR.EXISTING RAFTER SIZES & DIMENSIONS CONFIRM TO 2020 NYS BUILDING CODE AND RESIDENTIAL CODE TABLE R802.5(1)-JOIST SPANS.

MOUNTING BRACKETS AND HARDWARE MEET OR EXCEED NEW YORK STATE CODE REQUIREMENTS FOR THE DESIGN CRITERIA OF THE TOWN.

HANWHA Q.PEAK DUO BLK-G10+ 365
365 WATT MODULE
67.6'' X 41.1'' X 1.26''
(SEE DATASHEET)

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(SAFE HARBOR MODULES: 0)
35 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION

INITIAL	DATE: 3/21/2023	DESIGNER: SF
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

ATTACHMENT DETAIL

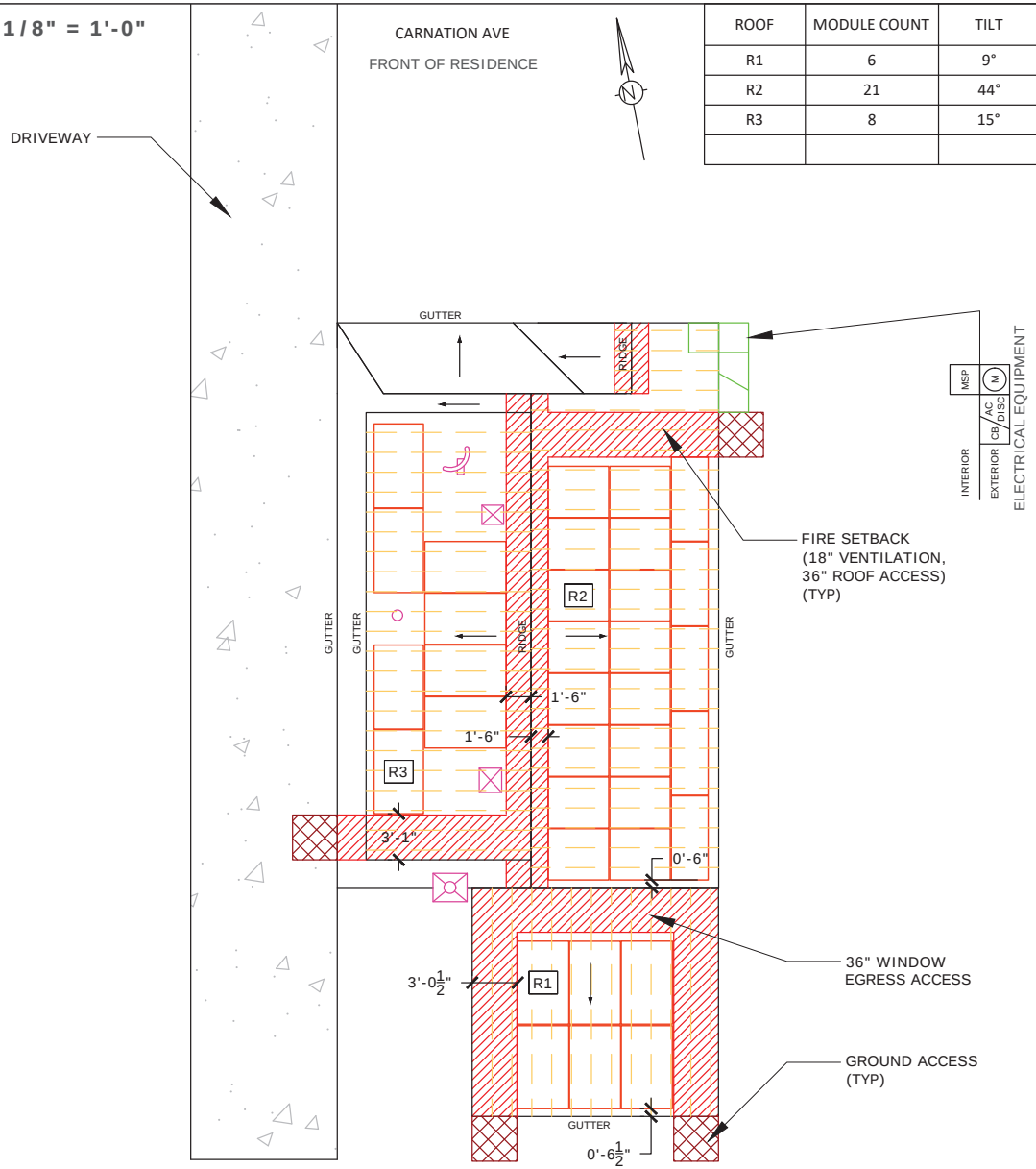
PV-1(2)

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

CARNATION AVE

FRONT OF RESIDENCE

ROOF	MODULE COUNT	TILT	AZIMUTH	SHADING	LANDSCAPE MAX SPAN (ROOF AREA 1/2/3)	PORTRAIT MAX SPAN (ROOF AREA 1/2/3)
R1	6	9°	191°	55%	72 /72 /72	48 /48 /48
R2	21	44°	101°	77%	72 /72 /72	43 /43 /43
R3	8	15°	281°	84%	72 /72 /72	48 /48 /48



SYMBOL LEGEND

MSP	MAIN SERVICE PANEL		CHIMNEY
SP	SUB-PANEL		SKYLIGHT
M	UTILITY METER		VENT
CB/AC DISC	COMBINER BOX/AC DISCONNECT		PIPE VENT
UDC	UTILITY DISCONNECT		FAN
LC	LOAD CENTER		SATELLITE DISH
N3R	NEMA 3R BOX W/ ENVOY-S		FIRE SETBACKS
CB	COMBINER BOX		GROUND ACCESS
PF	PERFORMANCE METER		PITCH DIRECTION
	MODULE		

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35 INVERTERS: ENPHASE IQ8PLUS-72-2-US

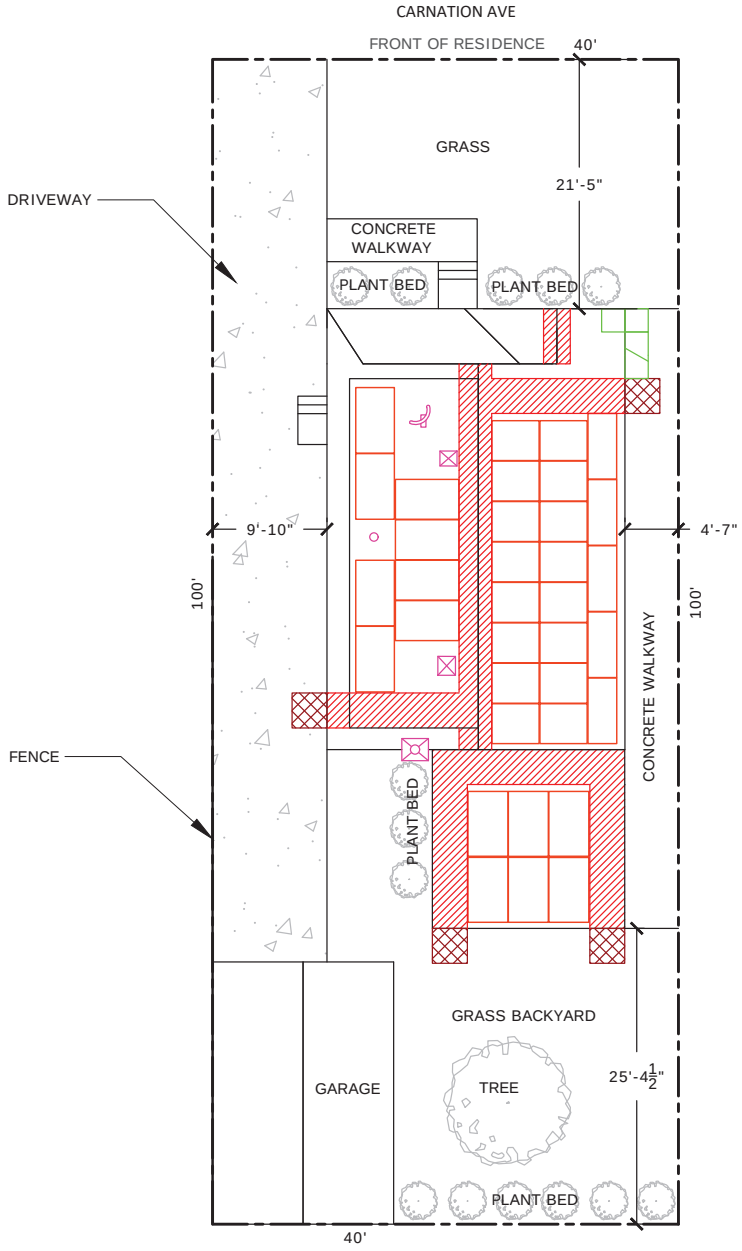
PROJECT INFORMATION

INITIAL	DATE: 3/21/2023	DESIGNER: SF
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

PANEL LAYOUT

PV-2

SCALE: 3/32" = 1'-0"



momentum SOLAR

PRO CUSTOM SOLAR LLC D.B.A. MOMENTUM SOLAR
3096 HAMILTON BLVD. BUILDING B, S.PLAINFIELD, NJ
(732) 902-6224, MOMENTUMSOLAR.COM

PROFESSIONAL ENGINEERING

STATE OF NEW YORK
MINA A. MAKAR
104468
LICENSED PROFESSIONAL ENGINEER

MINA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
3096B HAMILTON BLVDSOUTH PLAINFIELD, NJ 07080
ENGINEERING LETTER ATTACHED HAS SPECIFICATIONS FOR WIND AND LOAD CALCULATIONS FOR SOLAR INSTALLATION SPANS & ATTACHMENTS TO MEET LOCAL AND STATE BUILDING CODE COMPLIANCE. WARNING THAT IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL, TO ALTER AN ITEM IN ANY WAY.

CUSTOMER INFORMATION

REUDEL DIAZ - MS120713

462 CARNATION AVE
FLORAL PARK, NY 11001
7188098937

JURISTICTION: NASSAU
UTILITY: PSEGLI
UTILITY ACCT #: 5152619701
UTILITY METER #: 98431239

PV SYSTEM INFORMATION

SYSTEM SIZE (DC): 12.775 KW
SYSTEM SIZE (AC): 10.15 KVA
35 MODULES: HANWHA Q.PEAK DUO BLK-G10+ 365
(SAFE HARBOR MODULES: 0)
35 INVERTERS: ENPHASE IQ8PLUS-72-2-US

PROJECT INFORMATION		
INITIAL	DATE: 3/21/2023	DESIGNER: SF
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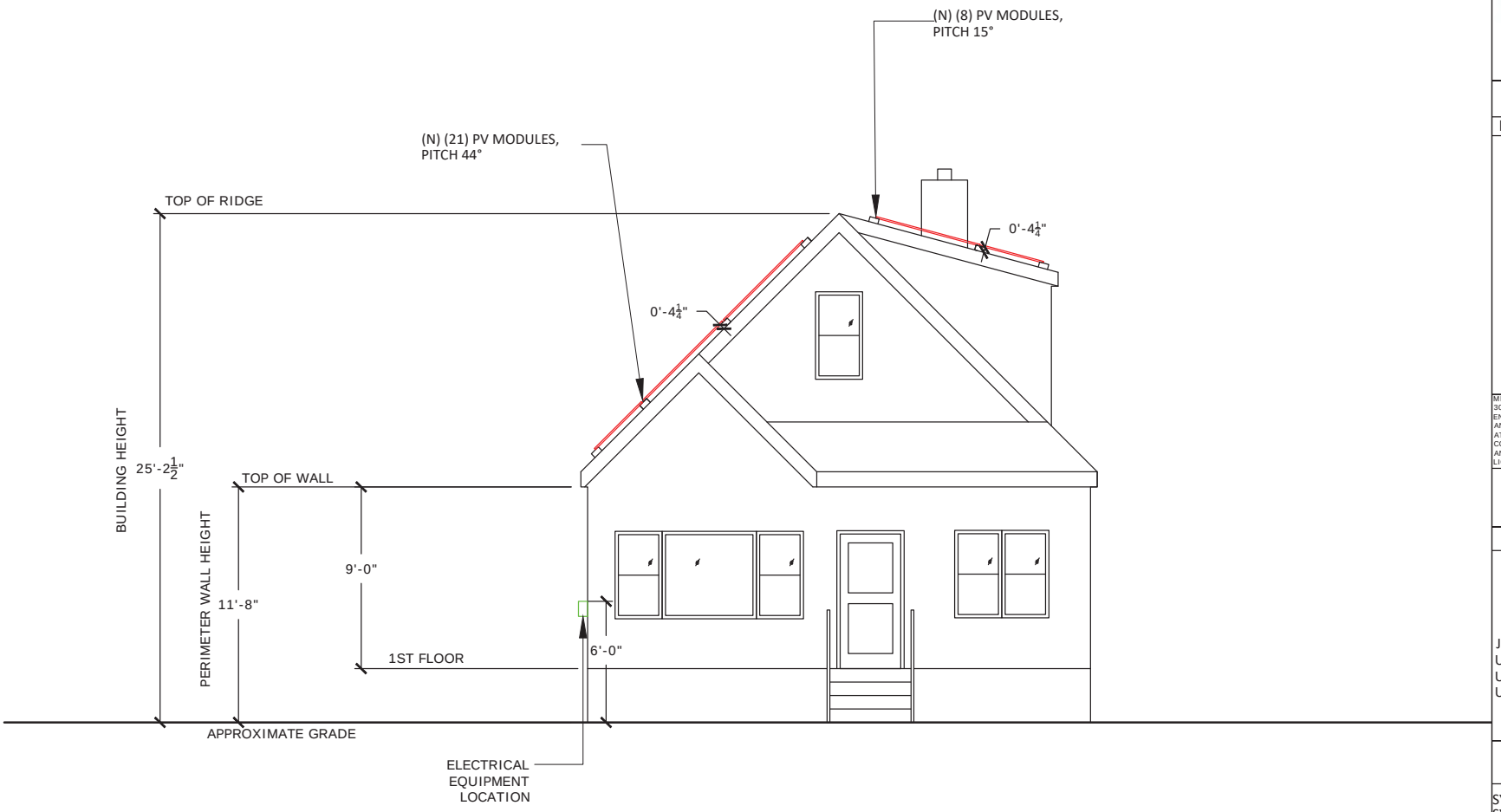
PLOT PLAN

PV-2(2)



FRONT ELEVATION

SCALE: 3/16" = 1'-0"

NOTE:

- THERE IS NO TREE, UTILITY LINE OR ANY OTHER POTENTIAL HAZARD THAT COULD COME INTO CONTACT WITH ANY PART OF THE SOLAR ELECTRIC GENERATING SYSTEM.
- MICRO-INVERTERS ARE LOCATED ON THE BACK SIDE OF EACH PV MODULE.
- HEIGHT OF SOLAR PANEL IS 1.26 INCHES.
- MAXIMUM SOLAR ELEVATION IS 4.25 INCHES.

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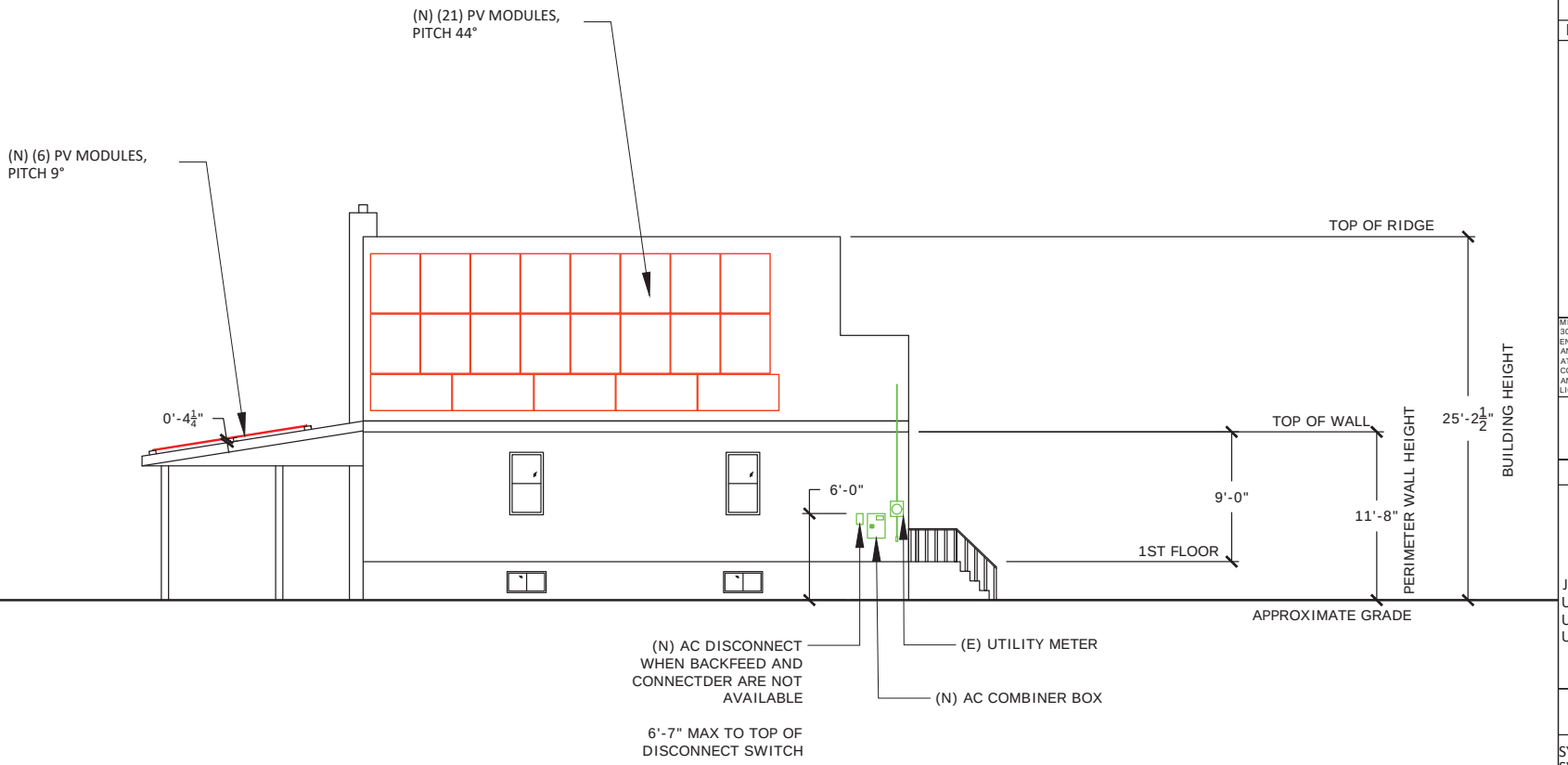
PROJECT INFORMATION		
INITIAL	DATE: 3/21/2023	DESIGNER: SF
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

PLOT PLAN

PV-3



SOUTHEAST ELEVATION

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

NOTE:

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PROJECT INFORMATION

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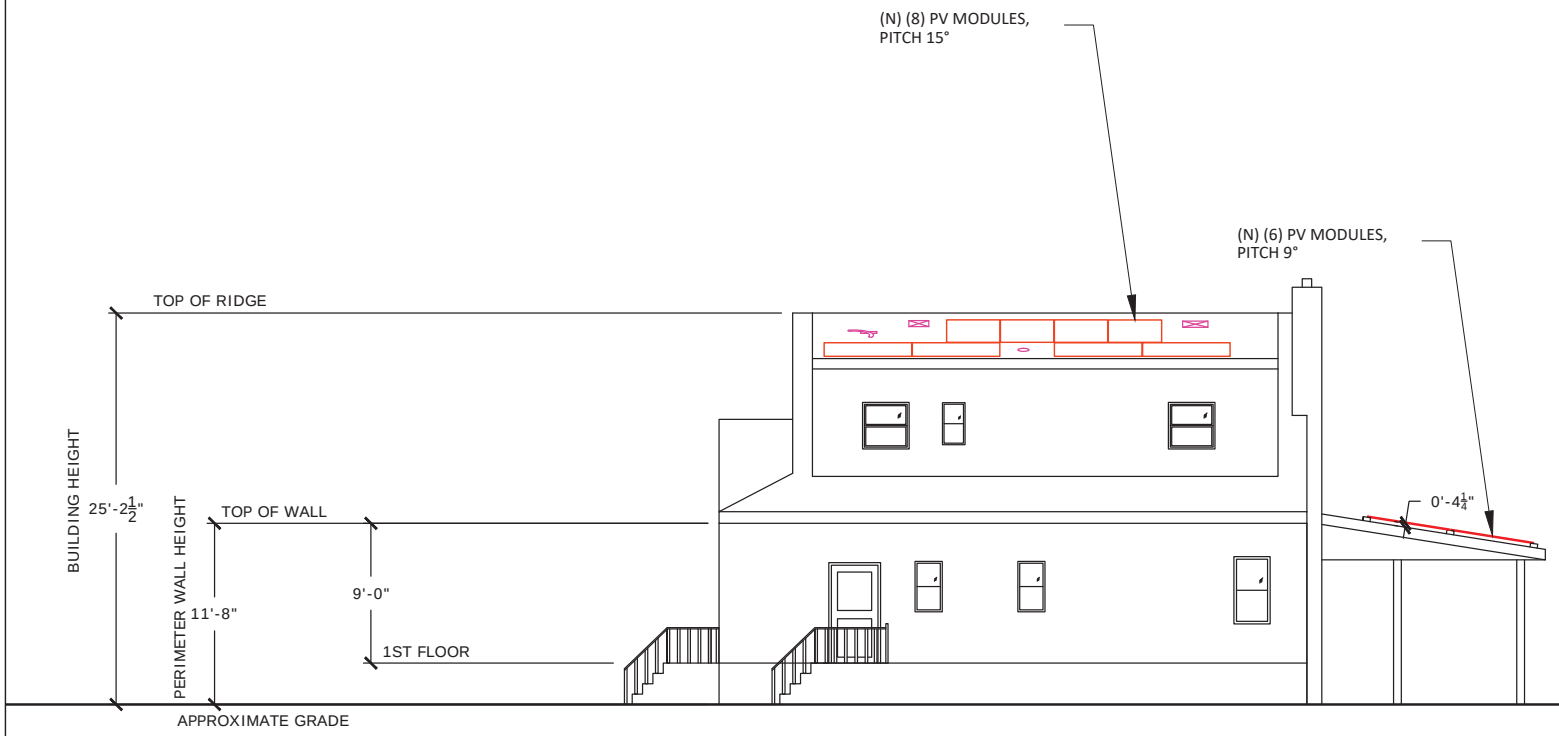
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

SOUTHEAST ELEVATION

PV-4



NORTHWEST ELEVATION

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

NOTE:

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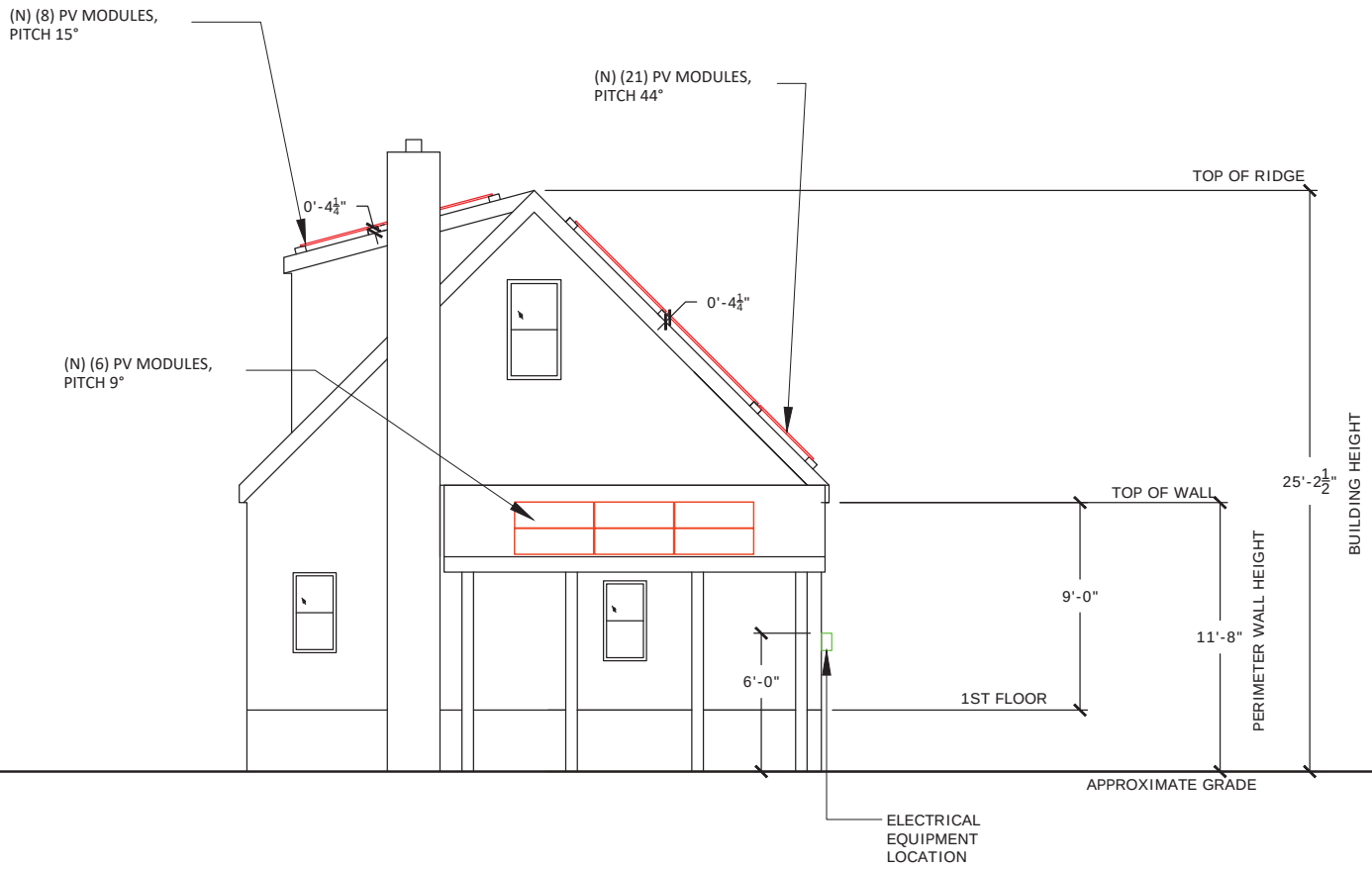
REV:	DATE:	DESIGNER:

NORTHWEST ELEVATION

PV-5



REAR ELEVATION

SCALE: 3/16" = 1'-0"

NOTE:

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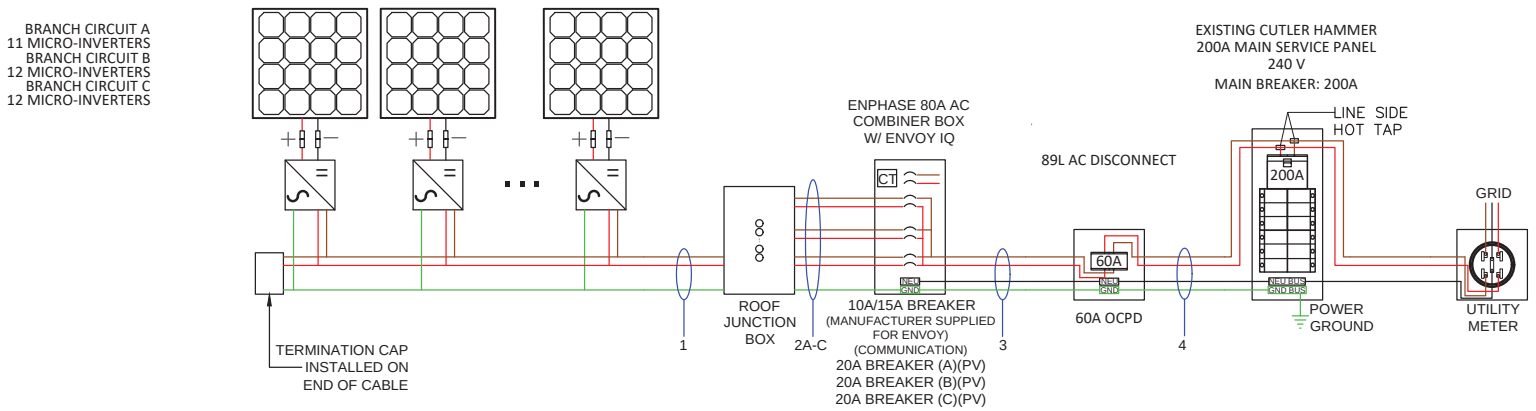
REAR ELEVATION

PV-6

35 HANWHA Q.PEAK DUO BLK-G10+ 365 365W MODULES PAIRED WITH
35 ENPHASE IQ8PLUS-72-2-US MICRO-INVERTERS



ELECTRICAL NOTES:

1. ALL CALCULATIONS FOR VOC, VMAX, IMP AND ISC HAVE BEEN CALCULATED USING THE MANUFACTURED STRING CALCULATOR BASED ON ASHRAE 2% HIGH AND EXTREME MINIMUM TEMPERATURE COEFICIENTS.
2. THE ENTIRE ARRAY IS BONDED ACCORDING TO (NEC 690.46 - 250.120 PARAGRAPH C).
3. BRANCH CIRCUIT CALCULATION FOR WIRE TAG 1 DISPLAYS THE LARGEST BRANCH CIRCUIT IN SYSTEM. OTHER BRANCH CIRCUITS WILL HAVE LOWER DESIGN CURRENT THAN THE ONE SHOWN.
4. THIS SYSTEM COMPLIES WITH NEC 2017
89L LESS THAN 10FT TO THE MAIN BREAKER/METER.
5. ALL CONDUCTORS ARE SIZED BASED ON NEC 2017 ARTICLE 310
6. ALL EQUIPMENT INSTALLED IS RATED AT 75°C UNLESS NOTED
7. INVERTER NOC (NOMINAL OPEN CURRENT) OBTAINED FROM EQUIPMENT DATA SHEET
8. GROUNDING CONDUCTOR RUN WITH PHASE CONDUCTOR IN THE SAME CONDUIT.
9. SYSTEM IS CONSIDERED AN AC MODULE SYSTEM. NO DC CONDUCTORS ARE PRESENT IN CONDUIT, COMBINER, JUNCTION BOX, DISCONNECT. AND COMPILES WITH 690.6- NO DC. DISCONNECT AND ASSOCIATED DC CABLING ARE REQUIRED.
10. SYSTEM COMPLIES WITH 690.12 RAPID SHUTDOWN AND ASSOCIATED LABELING AS PER 690.56(C)(3). AC VOLTAGE AND SYSTEM OPERATING CURRENT SHALL BE PROVIDED AS PER 690.52.
11. CONDUCTORS IN CONDUIT ARE AC CONDUCTORS - BRANCH CIRCUITS AND NOT PV SOURCE CIRCUITS 690.6.
12. ALL GROUNDING SHALL COMPLY WITH 690.47(A) IN THAT THE AC MODULES SHALL COMPLY WITH 250.64.
13.NO TERMINALS WILL BE ENERGIZED IN THE OPEN POSITION IN THIS AC MODULE SYSTEM 690.6, 690.17.
14. WHERE APPLICABLE, INTERCONNECTION SHALL COMPLY WITH 705.12(A) OR 705.12(B) AS PERMITTED BY 230.82(6)

Wire Tag	Conduit	Wire Qty	Wire Gauge	Wire Type	Temp. Rating	Wire Ampacity (A)	Temp. Derate	Conduit Fill Derate	Derated Ampacity (A)	Inverter Qty	NOC (A)	NEC Correction	Design Current (A)	Ground Size	Ground Wire Type
1	OPEN AIR	2	12 AWG	Trunk Cable	90°C	30	0.96	1	28.80	12	1.21	1.25	18.15	12 AWG	Trunk Cable
2A	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	11	1.21	1.25	16.64	08 AWG	THWN-2
2B	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	12	1.21	1.25	18.15	08 AWG	THWN-2
2C	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	12	1.21	1.25	18.15	08 AWG	THWN-2
3	3/4" PVC	3	06 AWG	THWN-2	75°C	65	0.96	1	62.40	35	1.21	1.25	52.94	08 AWG	THWN-2
4	3/4" PVC	3	06 AWG	THWN-2	75°C	65	0.96	1	62.40	35	1.21	1.25	52.94	08 AWG	THWN-2

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ELECTRICIAN

PRO CUSTOM SOLAR DBA MOMENTUM SOLAR
JEFFREY MARINELLO, (732) 902-6224
3096 HAMILTON BLVD. BUILDING B, SOUTH PLAINFIELD, NJ 07080

CUSTOMER INFORMATION

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REV:	DATE:	DESIGNER:
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ELECTRICAL

PV-7

powered by Q.ANTUM DUO Z

PRELIMINARY

Q.PEAK DUO BLK-G10+
350-370

ENDURING HIGH PERFORMANCE

Quality Controlled PV
TÜVRheinland CERTIFIED
www.tuv.com ID 1111232615

ntv GERMANY'S MOST POPULAR PROVIDER Life & Living Award 2021 1st Place Solar Technology

25 YR Warranty Product & Performance

EUPD RESEARCH TOP BRAND PV MODULES EUROPE 2021

Q CELLS Yield Security

BREAKING THE 20% EFFICIENCY BARRIER
Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.

THE MOST THOROUGH TESTING PROGRAMME IN THE INDUSTRY
Q CELLS is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.

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 Technology[1], Hot-Spot Protect and Traceable Quality Tra.Q™.

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 warranty[2].

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

THE IDEAL SOLUTION FOR:

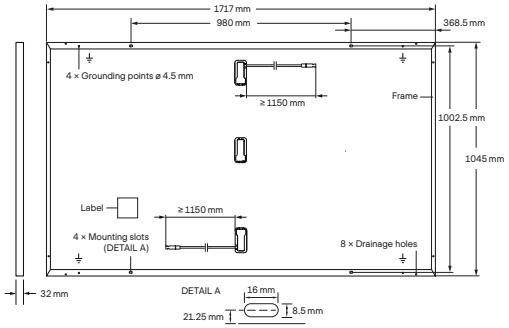
Rooftop arrays on residential buildings

Engineered in Germany

Q CELLS

MECHANICAL SPECIFICATION

Format	1717 mm × 1045 mm × 32 mm (including frame)
Weight	19.9 kg
Front Cover	3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 20 monocrystalline Q.ANTUM solar half cells
Junction box	53-101 mm × 32-60 mm × 15-18 mm Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥1150 mm, (–) ≥1150 mm
Connector	Stäubli MC4; IP68

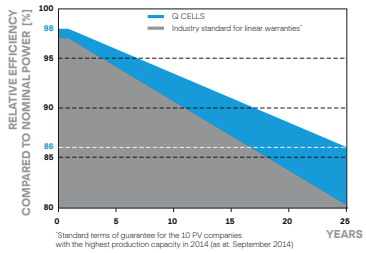


ELECTRICAL CHARACTERISTICS

POWER CLASS				350	355	360	365	370
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC[1] (POWER TOLERANCE +5 W / –0 W)								
Minimum	Power at MPP[1]	P_{MPP}	[W]	350	355	360	365	370
	Short Circuit Current[1]	I_{SC}	[A]	10.97	11.00	11.04	11.07	11.10
	Open Circuit Voltage[1]	V_{OC}	[V]	41.11	41.14	41.18	41.21	41.24
	Current at MPP	I_{MPP}	[A]	10.37	10.43	10.49	10.56	10.62
	Voltage at MPP	V_{MPP}	[V]	33.76	34.03	34.31	34.58	34.84
	Efficiency[1]	η	[%]	≥19.5	≥19.8	≥20.1	≥20.3	≥20.6
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT[2]								
Minimum	Power at MPP	P_{MPP}	[W]	262.6	266.3	270.1	273.8	277.6
	Short Circuit Current	I_{SC}	[A]	8.84	8.87	8.89	8.92	8.95
	Open Circuit Voltage	V_{OC}	[V]	38.77	38.80	38.83	38.86	38.90
	Current at MPP	I_{MPP}	[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

[1]Measurement 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 • [2]800 W/m², NMOT, spectrum AM 1.5

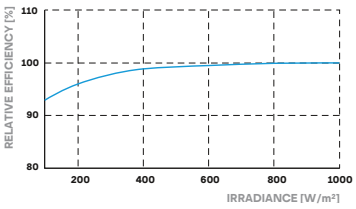
Q CELLS PERFORMANCE WARRANTY



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.

PERFORMANCE AT LOW IRRADIANCE



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

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{SC}	α	[%/K]	+0.04	Temperature Coefficient of V_{OC}	β	[%/K]	–0.27
Temperature Coefficient of P_{MPP}	γ	[%/K]	–0.34	Nominal Module Operating Temperature	NMOT	[°C]	43±3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS}	[V]	1000	PV module classification	Class II
Maximum Reverse Current	I_R	[A]	20	Fire Rating based on ANSI / UL 61730	C / TYPE 2
Max. Design Load, Push / Pull		[Pa]	3600 / 2660	Permitted Module Temperature on Continuous Duty	–40 °C - +85 °C
Max. Test Load, Push / Pull		[Pa]	5400 / 4000		

QUALIFICATIONS AND CERTIFICATES

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

TÜVRheinland CERTIFIED
www.tuv.com
ID 1111220277

CE

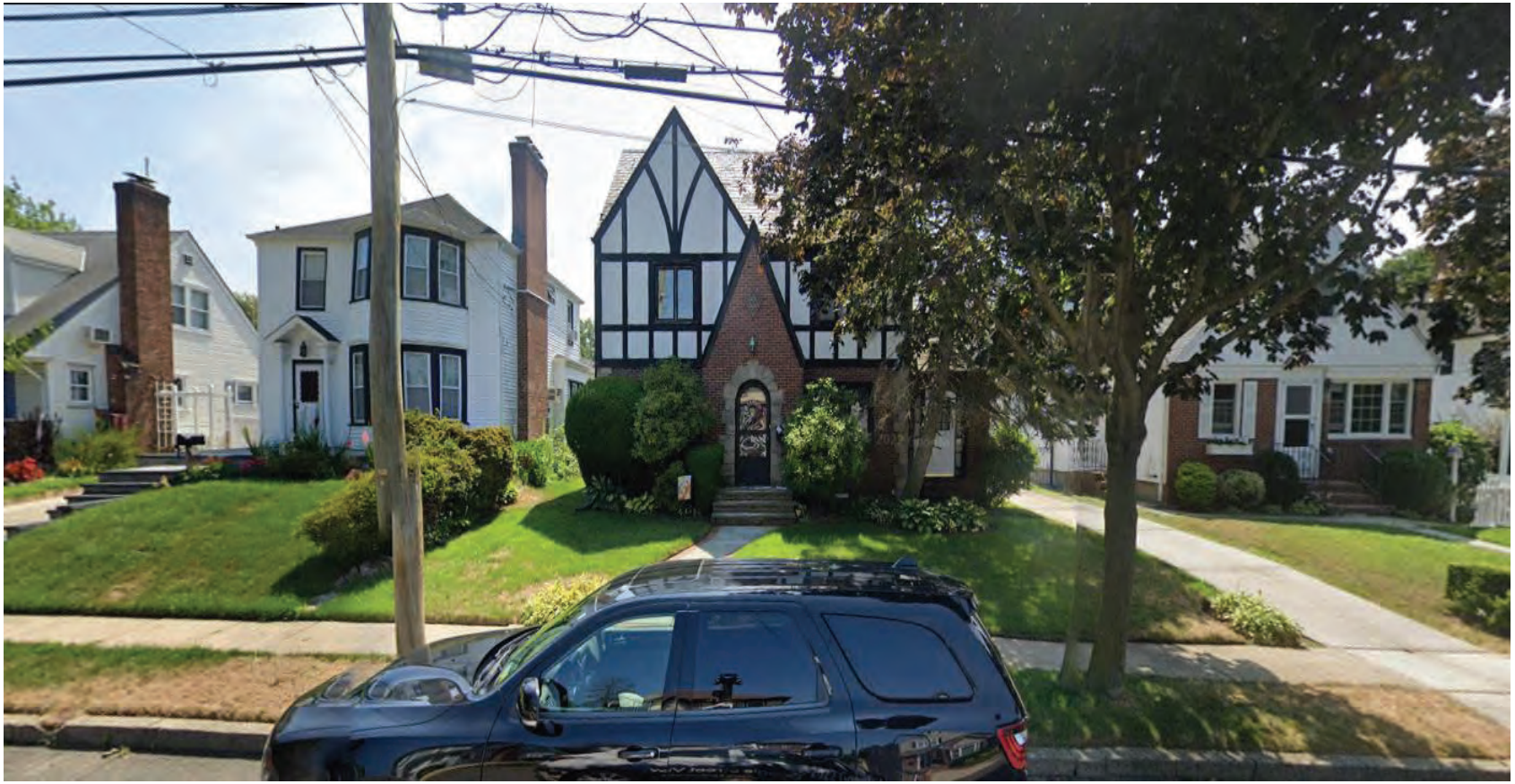
Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

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

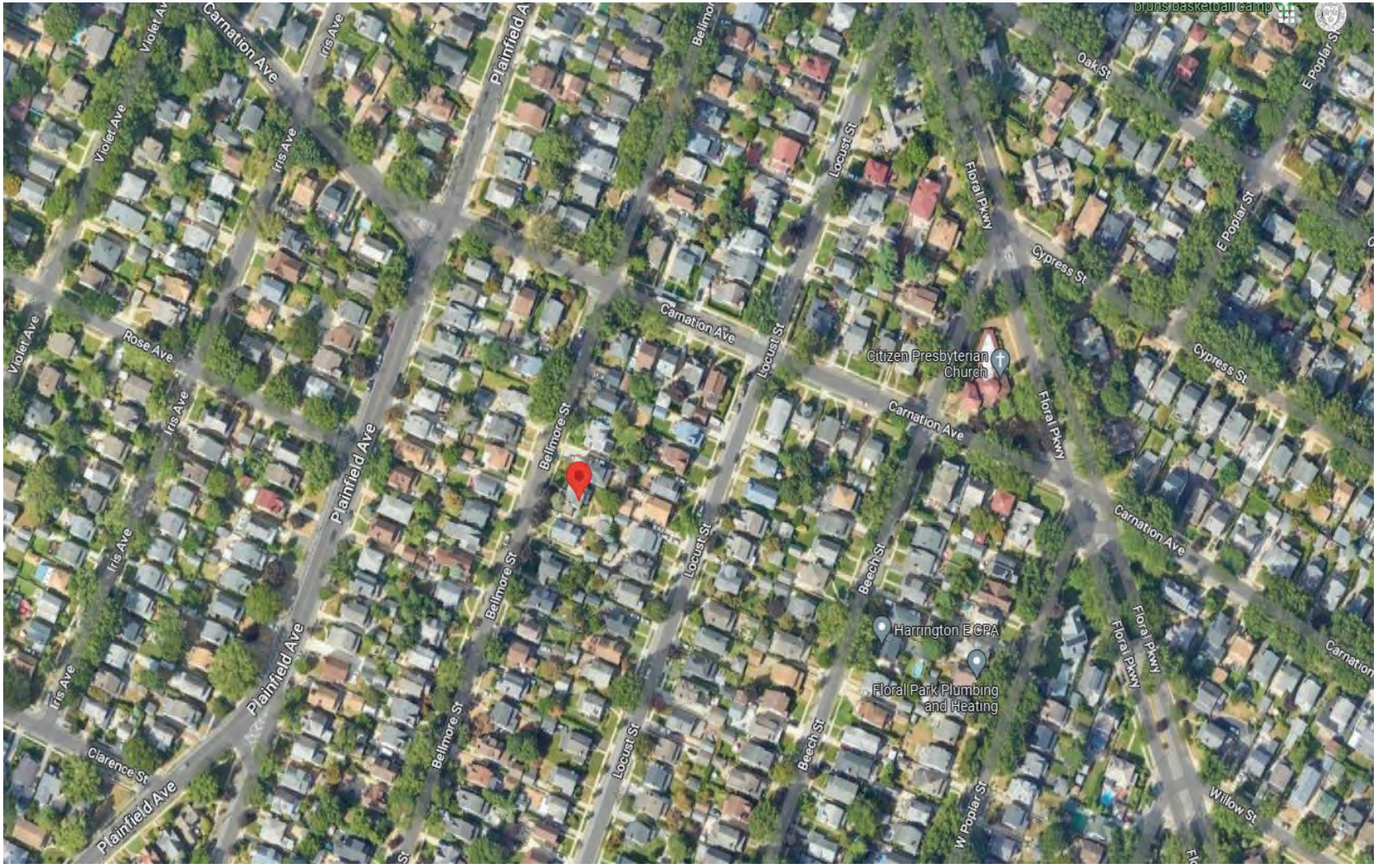
Engineered in Germany

Q CELLS

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
5	8:20 p.m.	93	Bellmore Street	Two Story Addition and Renovations	Lisa Burleigh	Demetris Demetriou, RA



93 Bellmore Street (Aerial View)



FRONT VIEW

RIGHT SIDE VIEW (driveway)

93 BELLMORE STREET

REAR VIEW

LEFT SIDE VIEW

93 BELLMORE STREET

ADJACENT NEIGHBORS
93 BELLMORE STREET

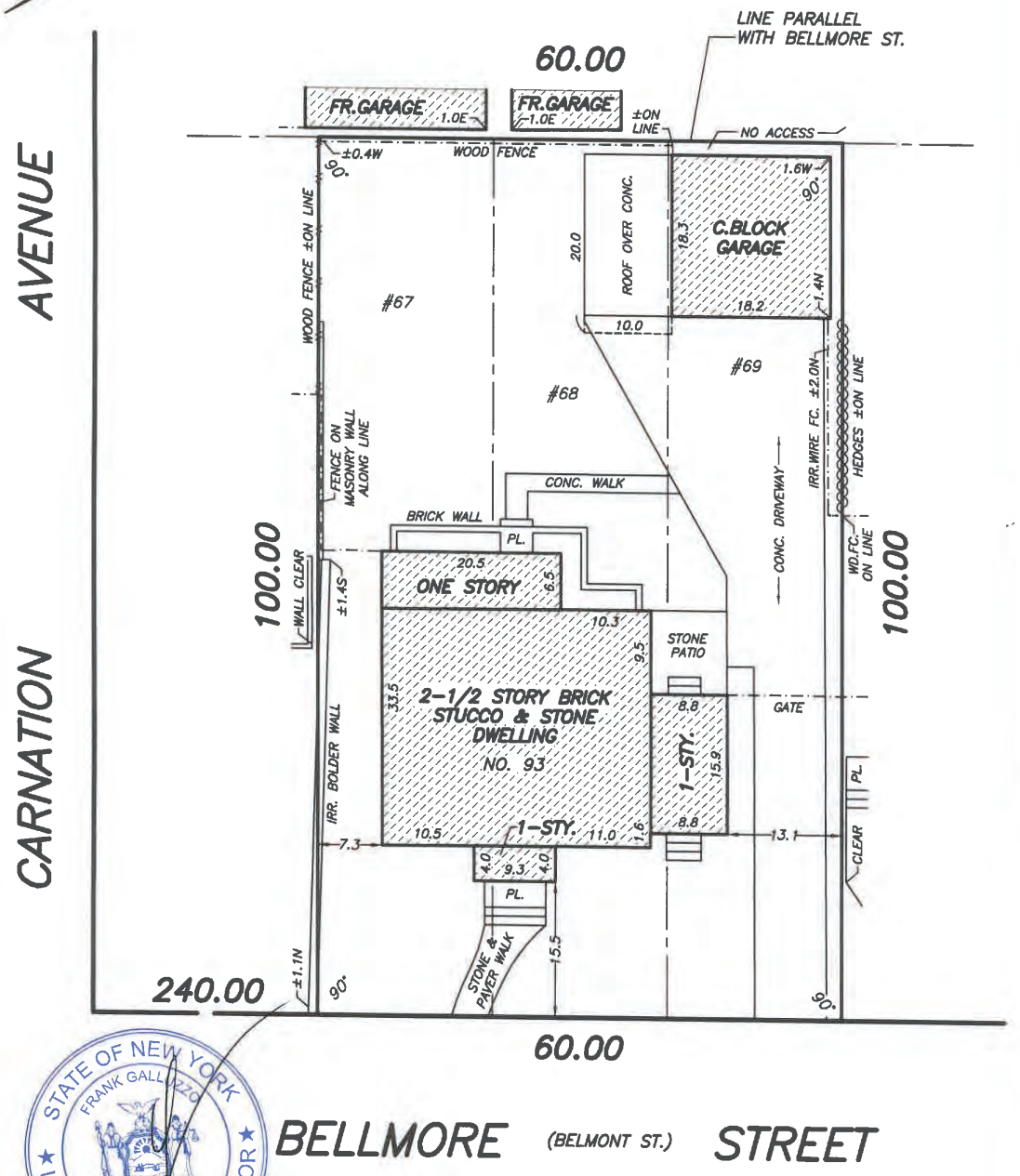
REF. NO. N32-220-67

MAP OF PROPERTY SITUATED IN

FLORAL PARK

NASSAU COUNTY, N.Y.

TAX SECT.: 32 TAX BLOCK: 220 TAX LOT(S): 67, 68 & 69



STATE OF NEW YORK
FRANK GALLUZZO
LICENSED LAND SURVEYOR
050018

LOTS 67, 68 & 69 IN BLOCK 18 ON
"MAP OF FLORAL PARK VILLA CO."
FILED ON MAY 8, 1907 AS MAP #20 CASE #151

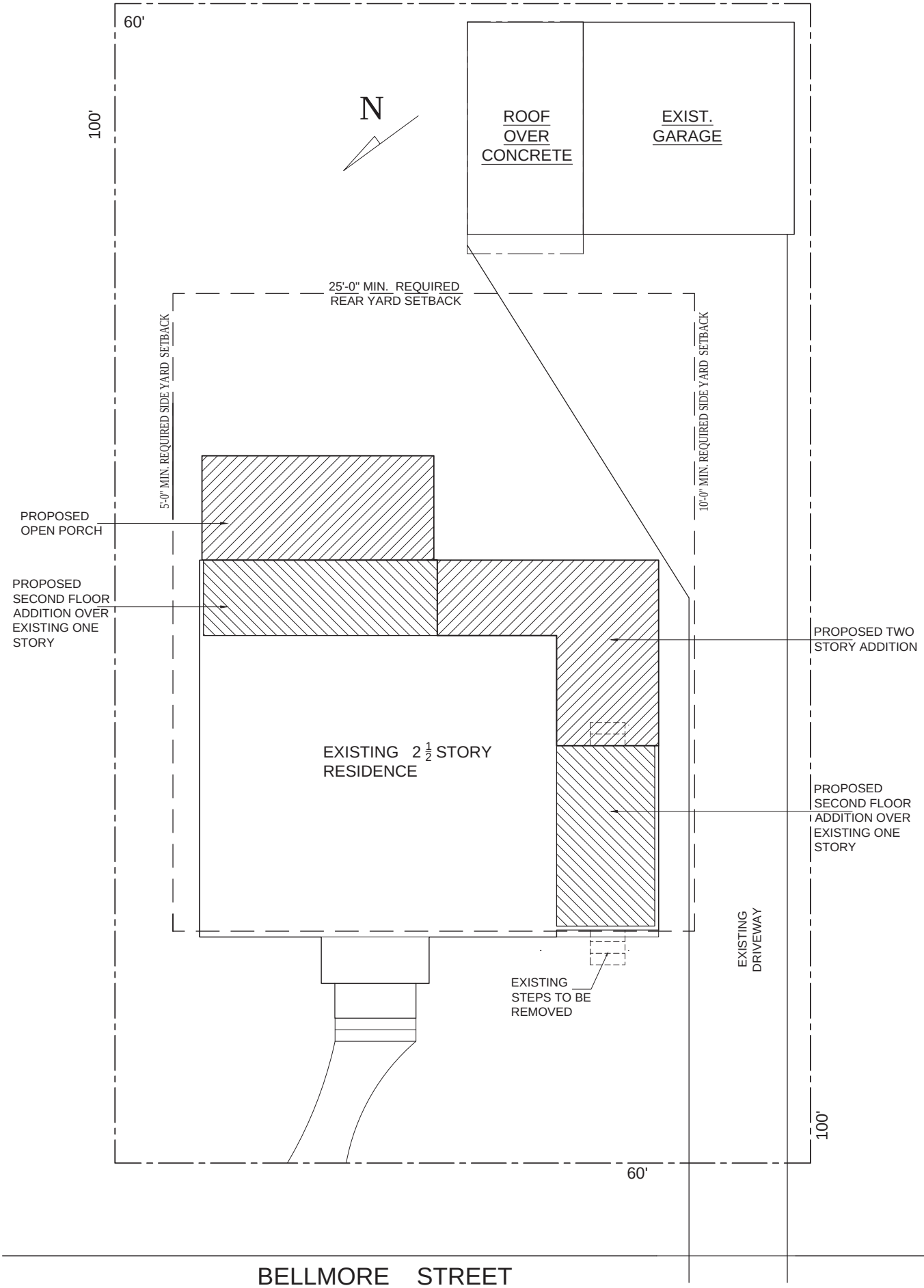
SCALE: 1"=16'

SURVEYED: DECEMBER 15, 2022

CERTIFIED TO: TITLE NO. CL-32248-N
AMTRUST TITLE INSURANCE COMPANY
CORNERSTONE LAND ABSTRACT, LLC
KEVIN BURLEIGH
LISA BURLEIGH

Empire State Land Surveyor, P.C.
Frank I. Galluzzo Professional Land Surveyor
Records of Albert A. Bianco - Robert B. Holzman
Stephen J. Reid - M. Berry Carman - G. W. Haviland
Vandewater & Lapp - Robert E. Carlin - William J. Daly
1005 Glen Cove Avenue, Glen Head, NY, 11545
empiresurveys@aol.com | (516)-240-6901

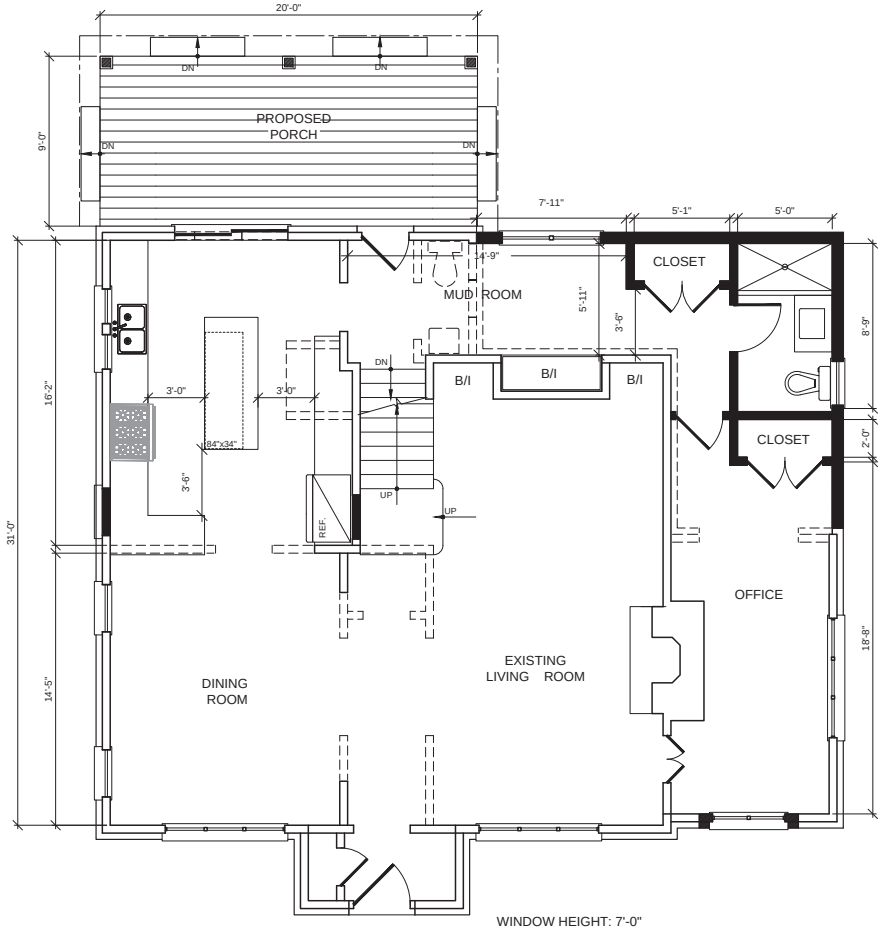
DRAWN BY: JG



SITE PLAN

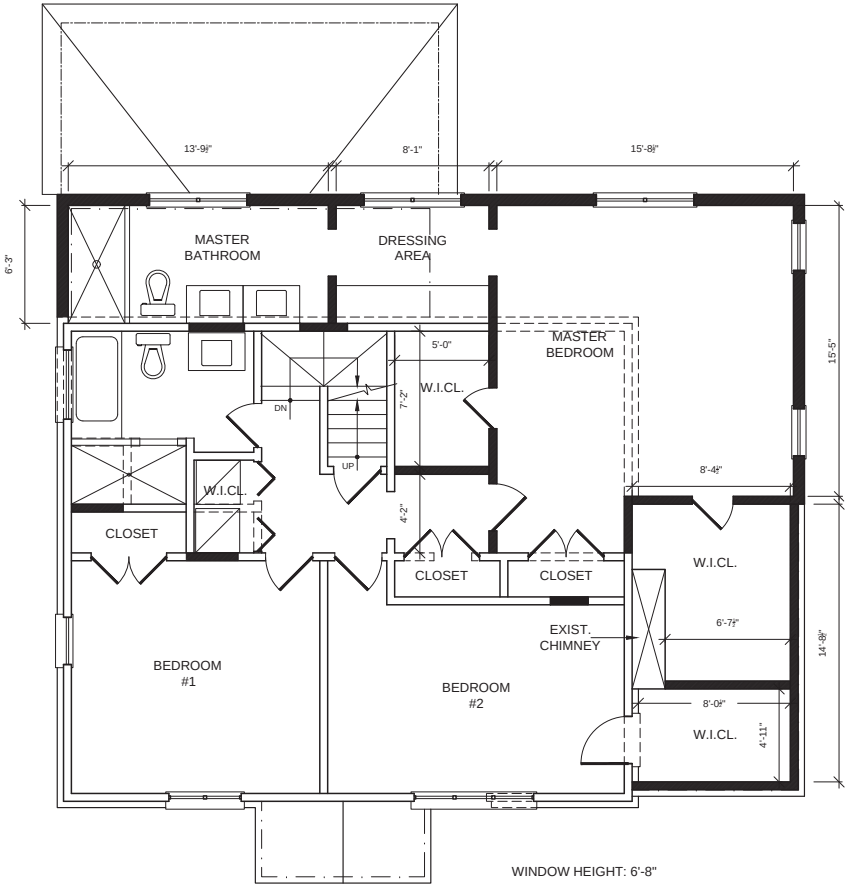
SCALE: 3/16"=1'-0"

SITE PLAN INFORMATION TAKEN FROM SURVEY DRAWN by LIC. SURVEYOR FRANK GALLUZZO OF EMPIRE STATE LAND SURVEYOR, P.C. DATED: 12-15-2022



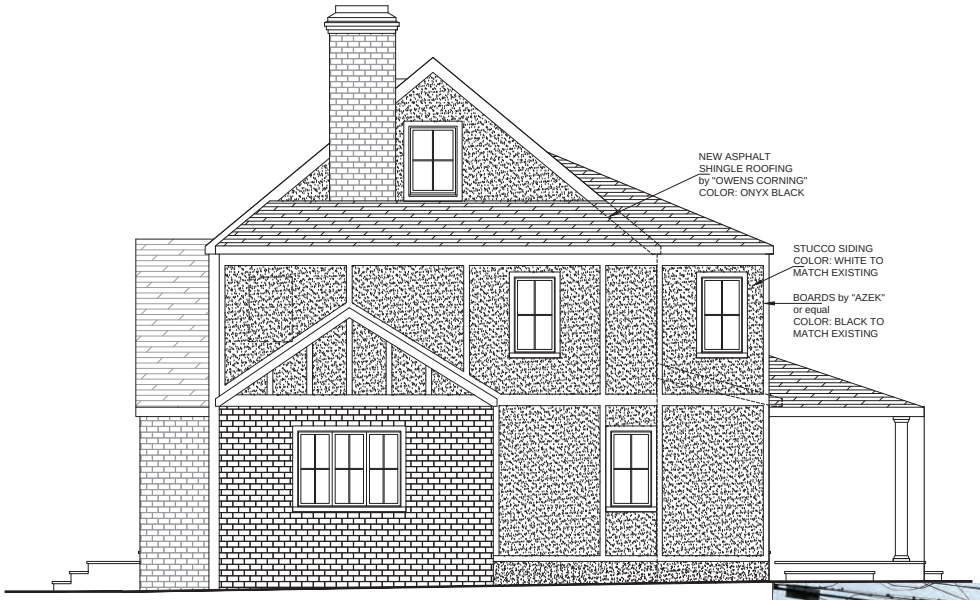
FIRST FLOOR PLAN

SCALE: $\frac{1}{4}$"=1'-0"



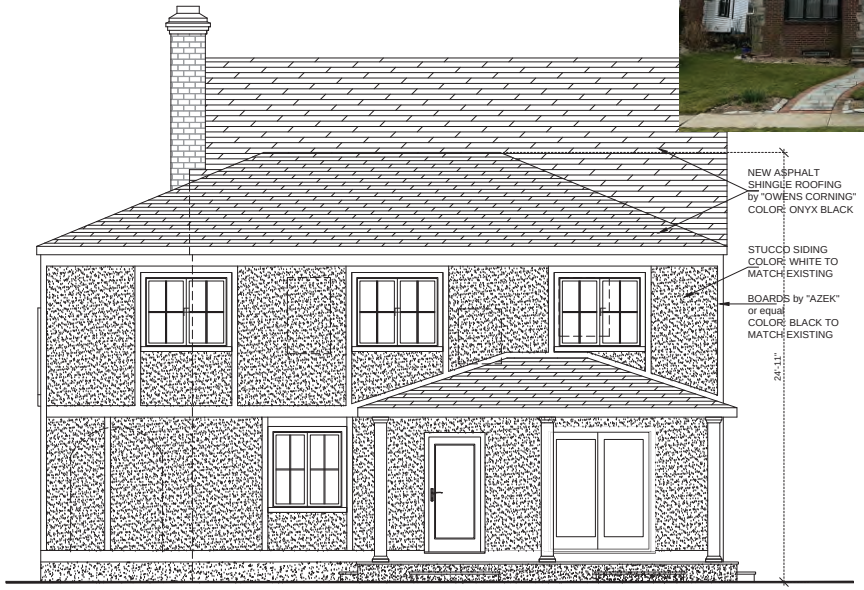
SECOND FLOOR PLAN

SCALE: $\frac{1}{4}$"=1'-0"



RIGHT SIDE (SW) ELEVATION SCALE: $\frac{1}{4}$"=1'-0"

(NW) ELEVATION SCALE: $\frac{1}{4}$"=1'-0"



REAR SIDE (SW) ELEVATION SCALE: $\frac{1}{4}$"=1'-0"

LEFT SIDE (NE) ELEVATION SCALE: $\frac{1}{4}$"=1'-0"

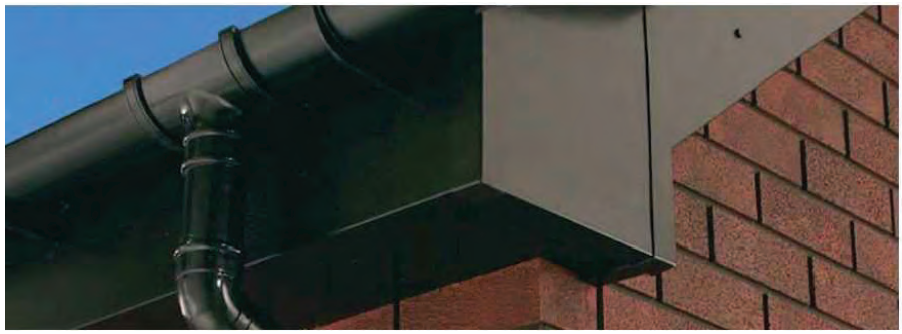
DOUBLE GLAZED, LOW “E”

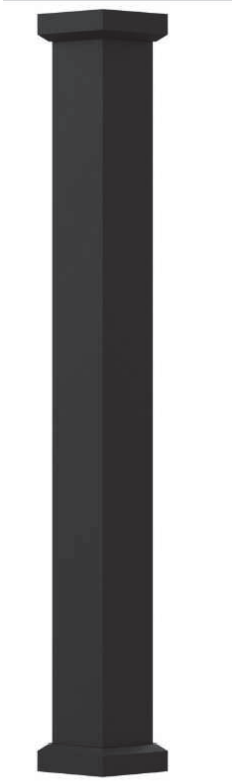
by “ANDERSEN” or equal

color:BLACK

ROOFING : ASPHALT SHINGLES
by "OWENS CORNING"

color: ONYX BLACK





FASCIA, TRIM

& COLUMNS

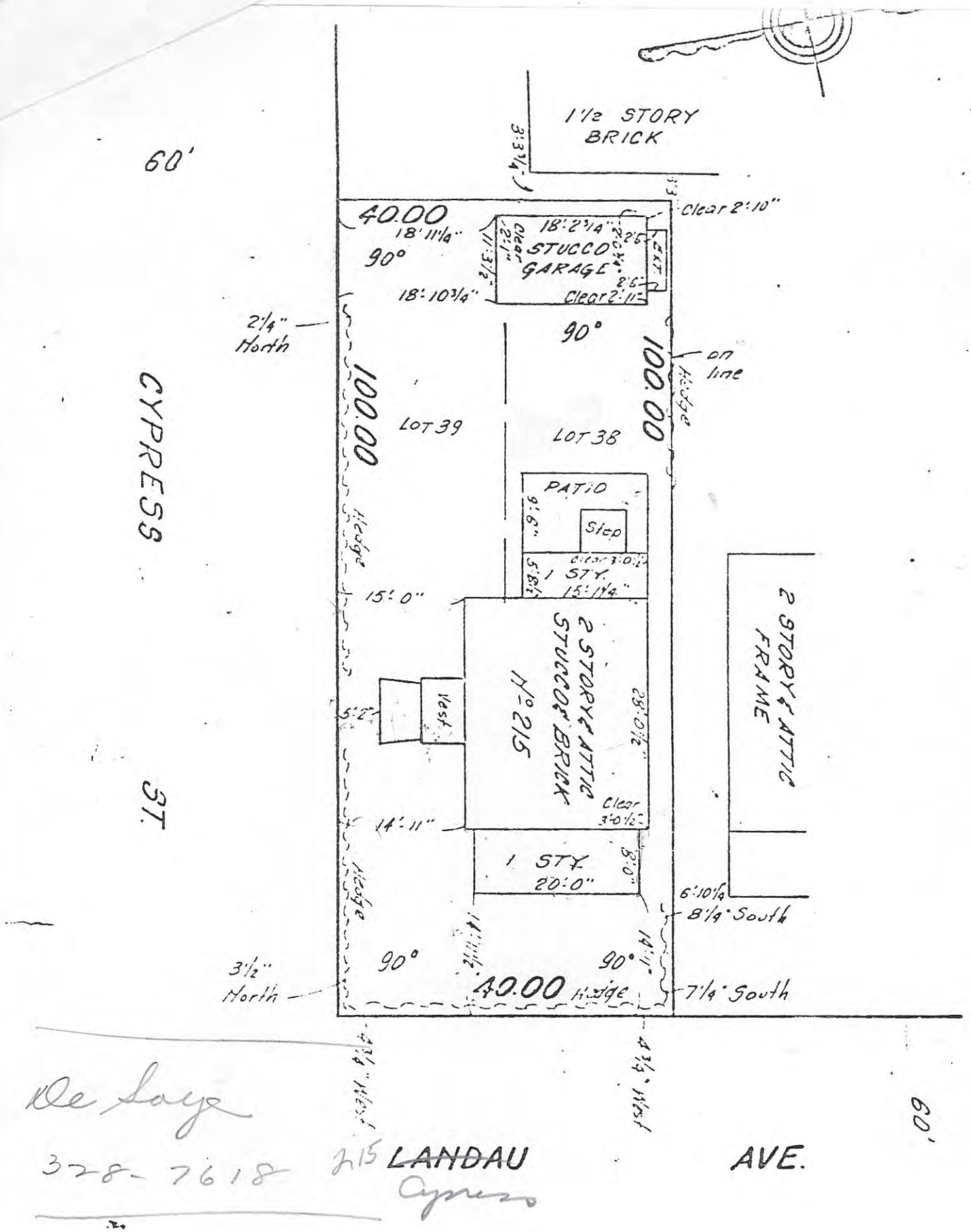
by "Azek"

Exterior MATERIAL

93 BELLMORE STREET

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
6	8:25 p.m.	215	Cypress Street	Awning over Rear Stoop	Raimonda and Saimir Kryeziu	

215 Cypress Street (Aerial View)



De Laye

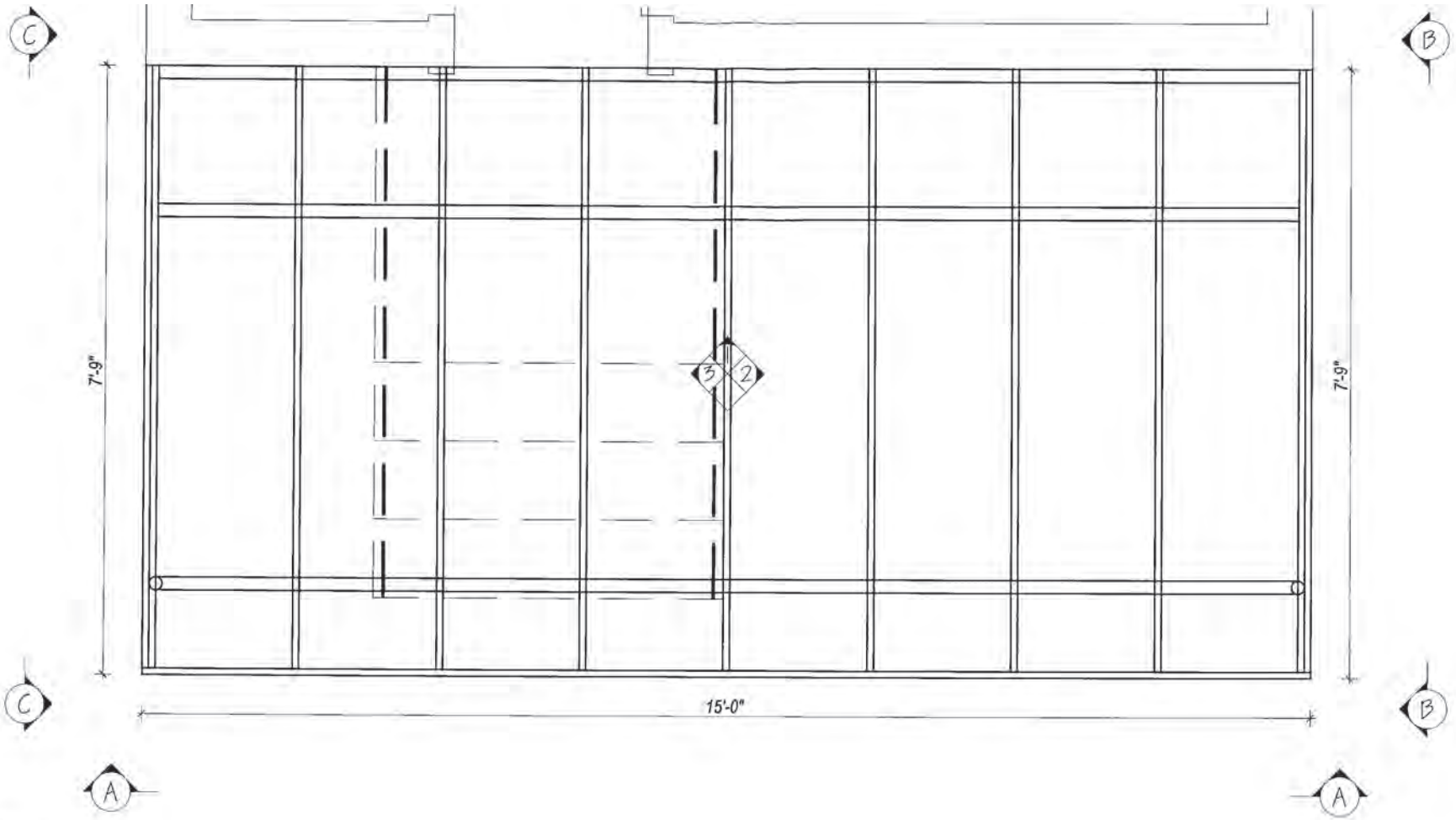
328-7618

LOT NOS. REFER TO MAP OF *Floral Park Estates Block 3*

GUARANTEED TO *The Title Guarantee Company*

Jamaica Savings Bank

WILLIAM H. PARRY, INC.



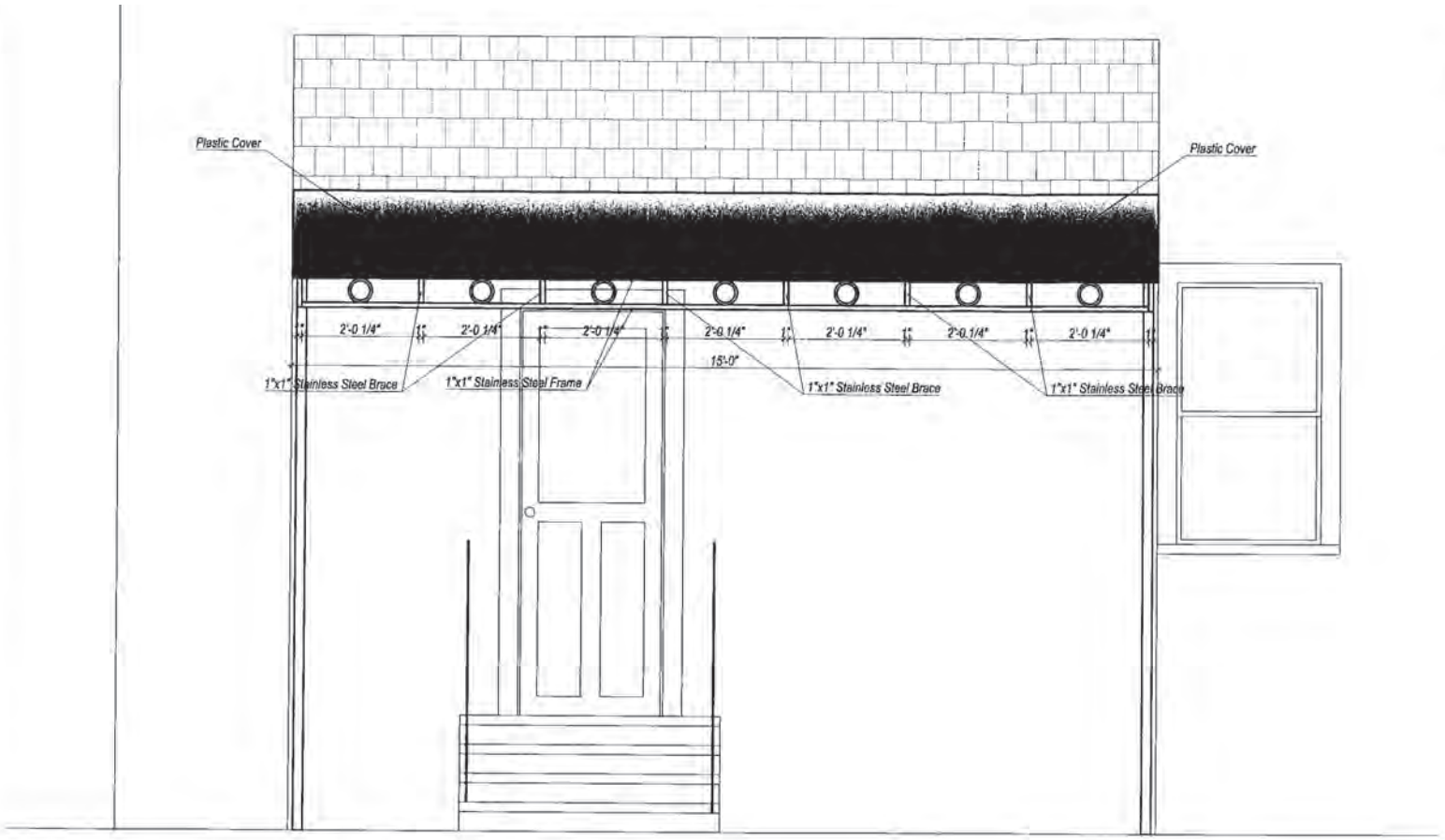
Awning Plan

3/4" = 1'-0"

AWNING STRUCTURE AT BACKYARD

215 Cypress St Floral Park NY 11001

A-1.1



Notes:

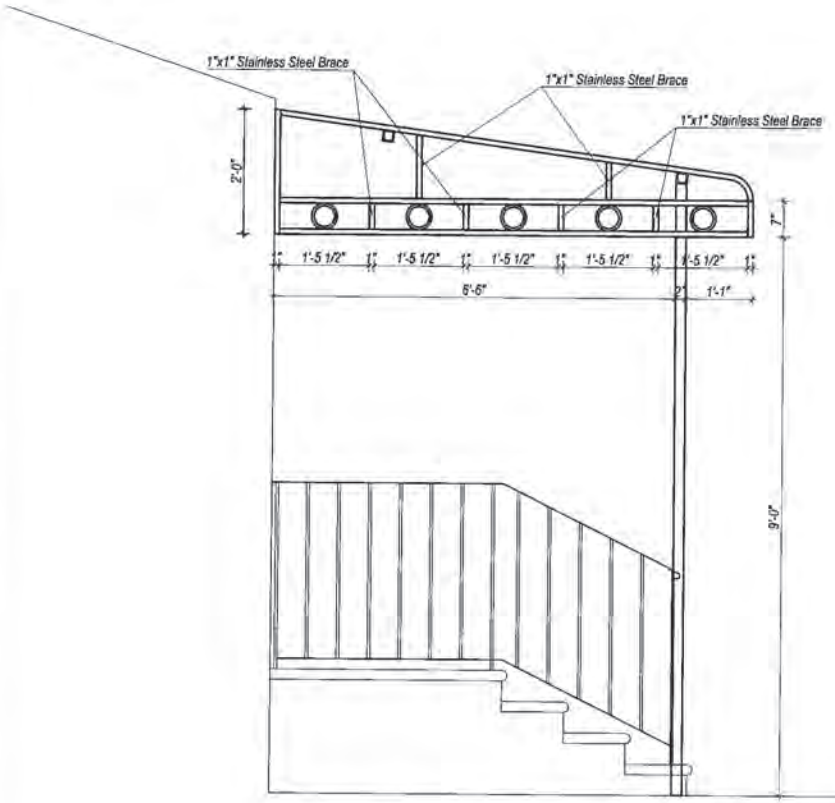
1. Awning framing material is stainless steel
2. Wall thickness of all framing tube elements is 0.0625"
3. Awning cover material is plastic

<A>
1/2" = 1'-0"

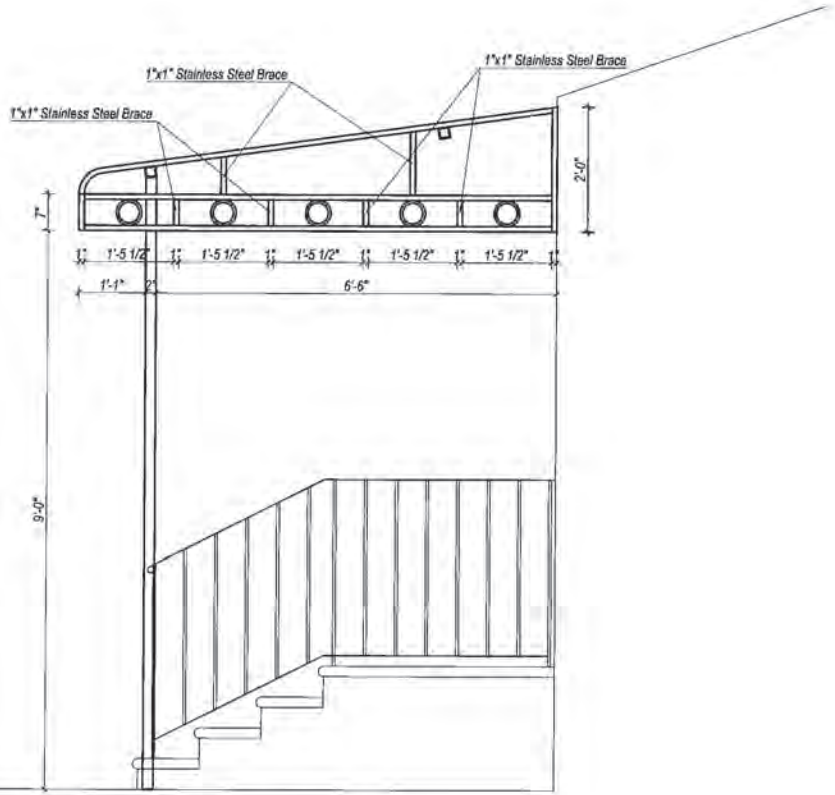
AWNING STRUCTURE AT BACKYARD

215 Cypress St Floral Park NY 11001

A-2.1



<C>
1/2" = 1'-0"

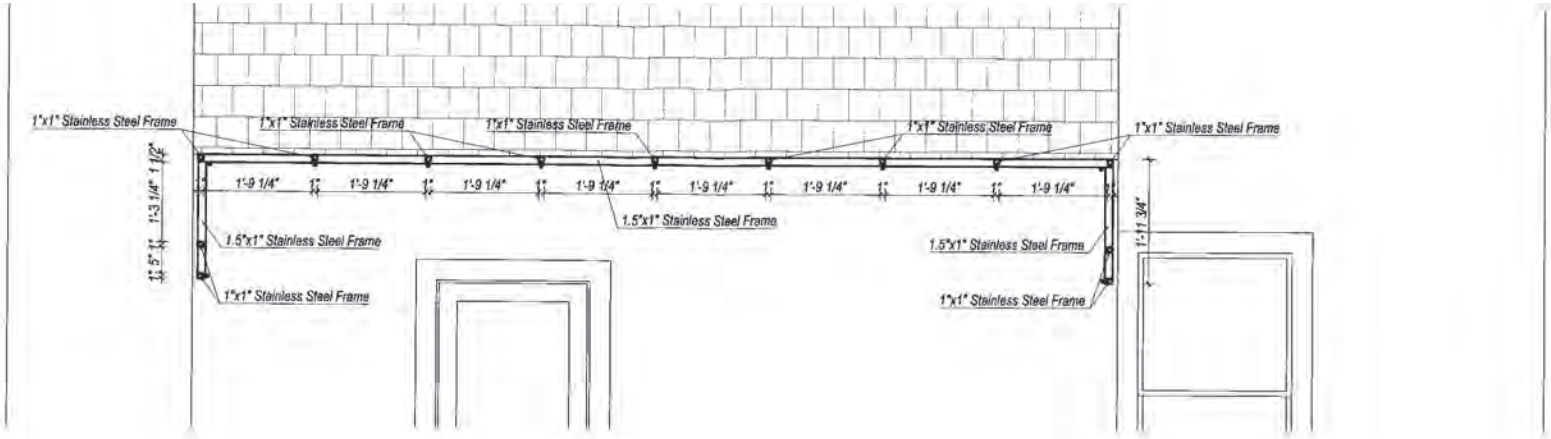


<B>
1/2" = 1'-0"

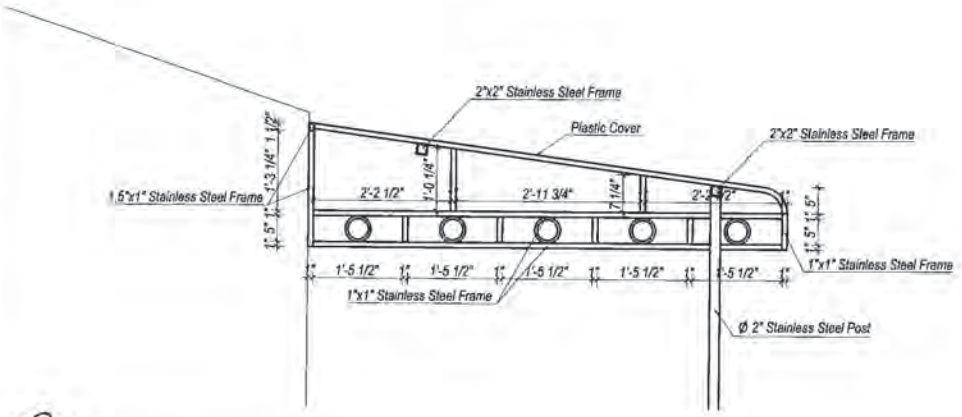
AWNING STRUCTURE AT BACKYARD

215 Cypress St Floral Park NY 11001

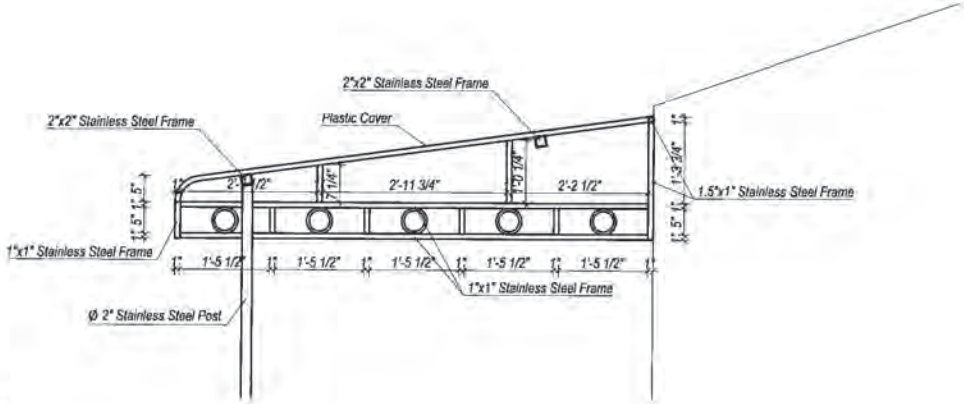
A-2.2



<1>
1/2" = 1'-0"



<2>
1/2" = 1'-0"



<3>
1/2" = 1'-0"

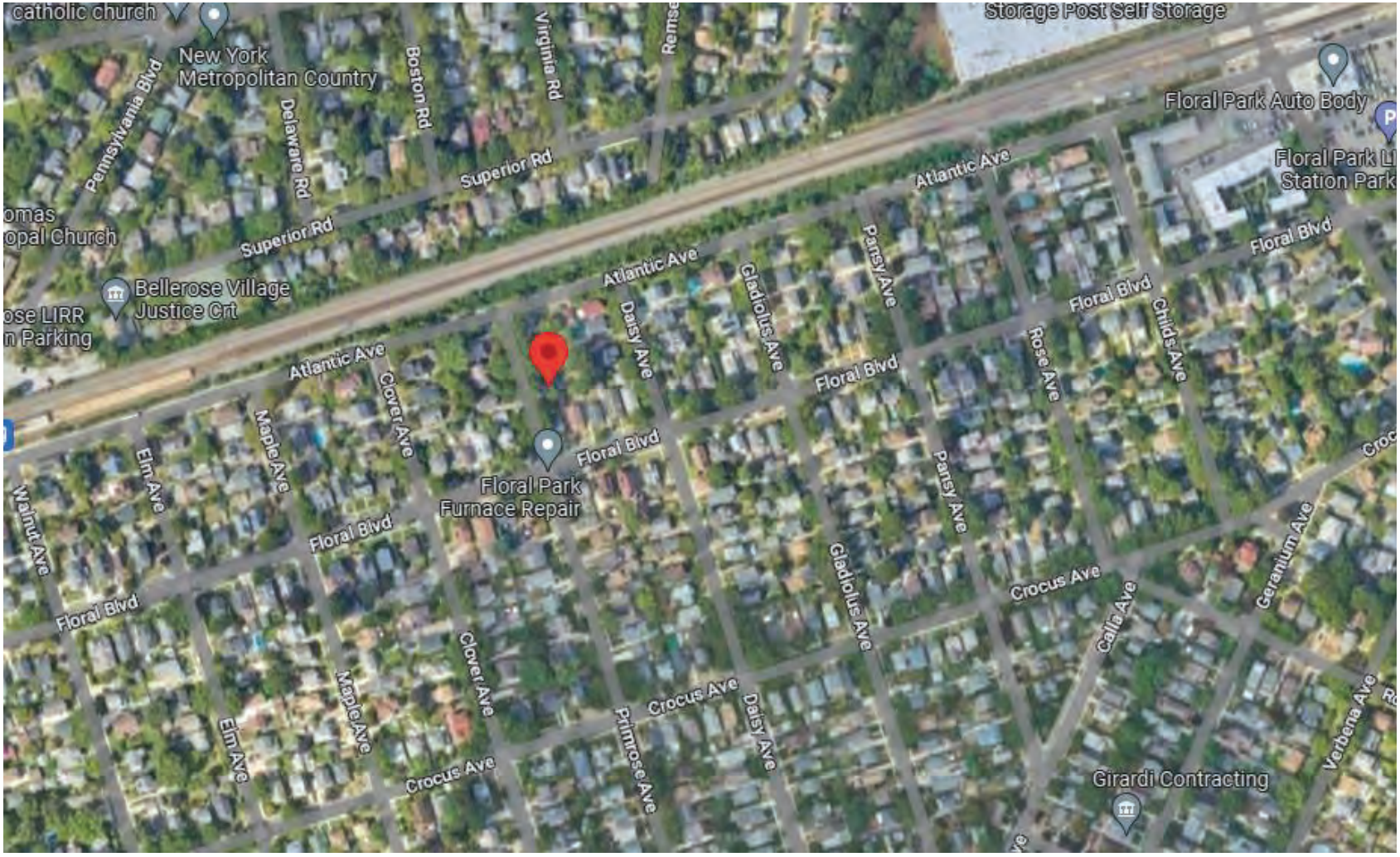
AWNING STRUCTURE AT BACKYARD

215 Cypress St Floral Park NY 11001

A-3.1

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
7	8:30 p.m.	11	Primrose Avenue	Two Story Addition	Juan Caban	Nicholas Feihel, RA

11 Primrose Avenue (Aerial View)




JJY-6052
CHEVROLET

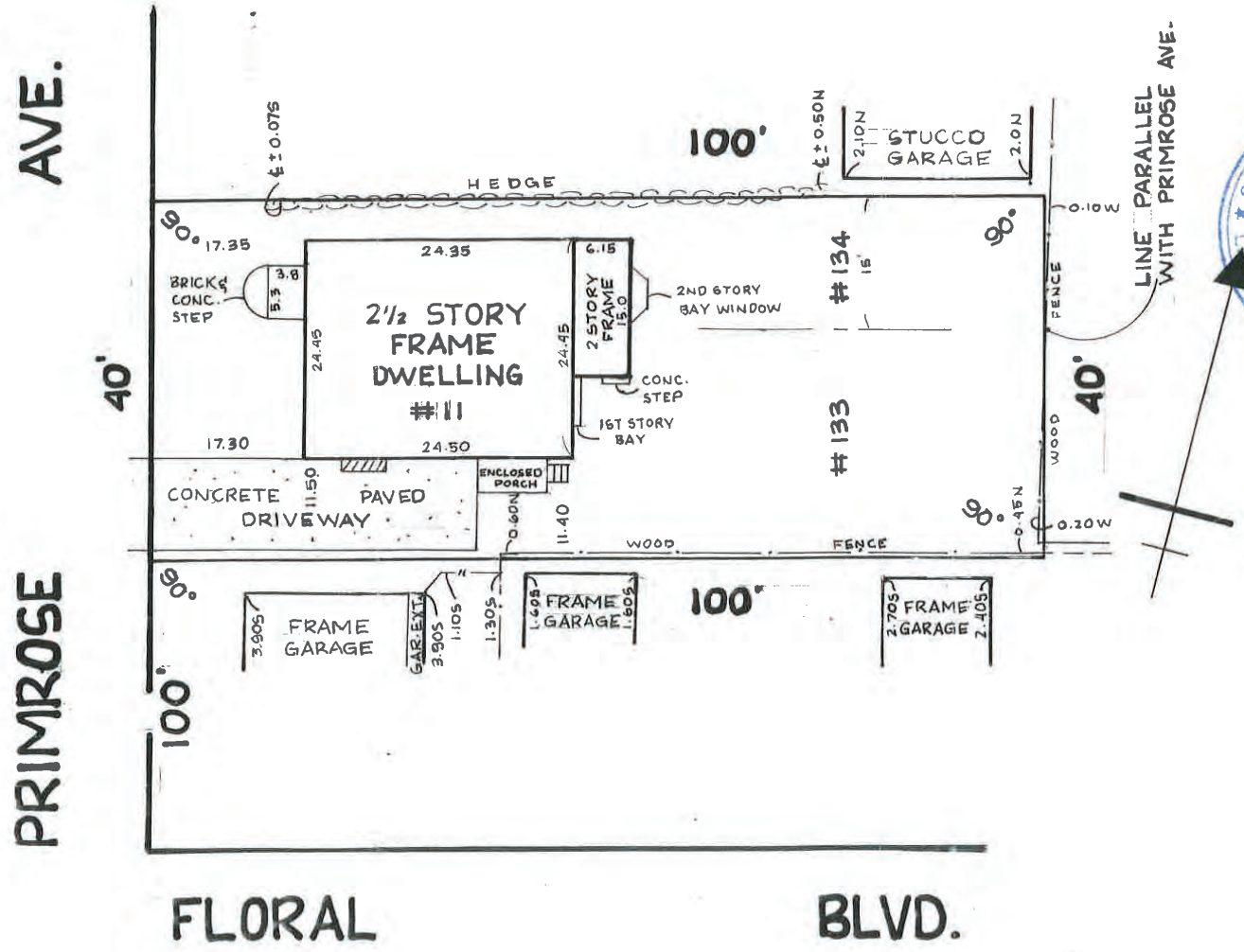
REF N° N-32-131-33

TITLE NO. 35414

MAP OF PROPERTY AT

FLORAL PARK

NASSAU COUNTY, N.Y.



SURVEYED OCTOBER 28, 2005

APOLONIO Q. AGUJO
Licensed Land Surveyor
45 Buckeye Road
Glen Cove, N.Y. 11542
Tel. (516) 656-9126
Fax. (516) 656-9089

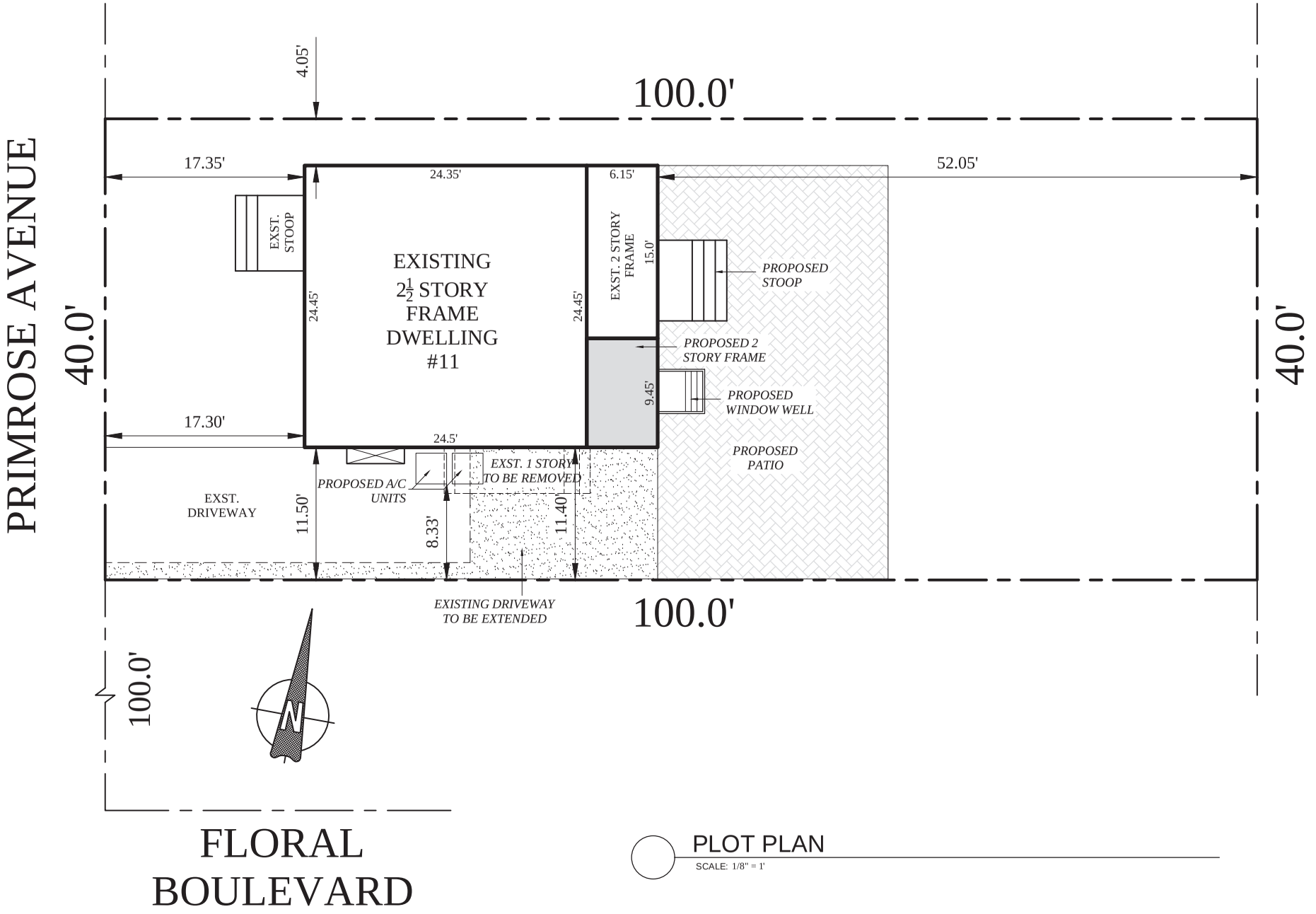
CERTIFIED TO:

TOPAZ ABSTRACT CORP.
FIRST AMERICAN TITLE INS. COMPANY OF NEW YORK
MARIA HORNUNG
USA MORTAGE, CORP., DBA. MORTAGE CONCEPTS
CAROLINE BRUCE, EXECUTRIX FOR THE ESTATE OF MAY WEISBERG

TAX SECT 32 TAX BLOCK 131 TAX LOT 33

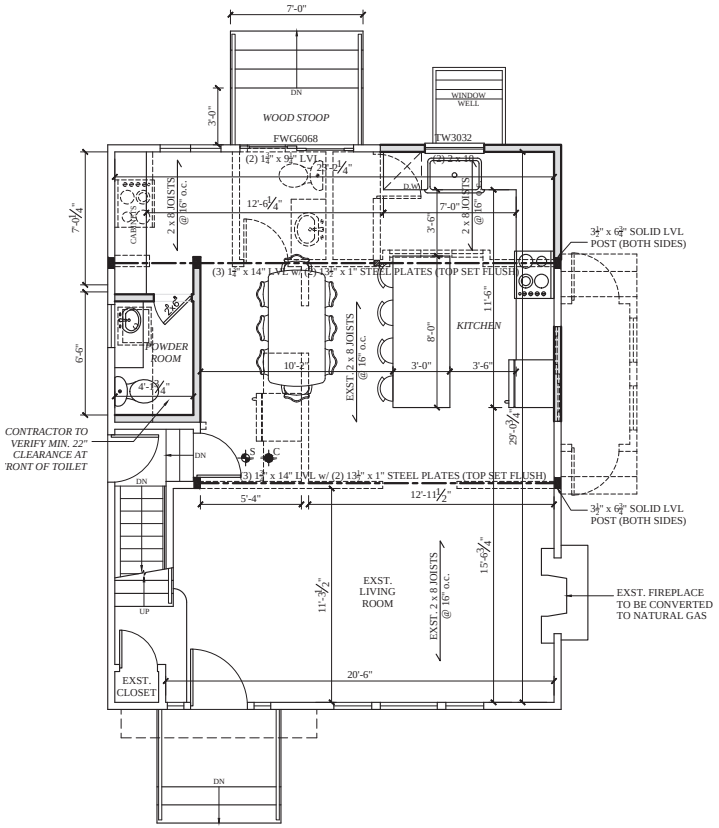
LOT # 133 SOUTHERLY 15 FEET ON MAP OF ROSE PROPERTY AT FLORAL PARK FILED ON APRIL 28, 1883 AS MAP # 232

THE OFFSETS (OR DIMENSIONS) SHOWN HEREON FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PATIOS, PLANTING AREAS, ADDITION TO BUILDINGS AND ANY OTHER CONSTRUCTION.



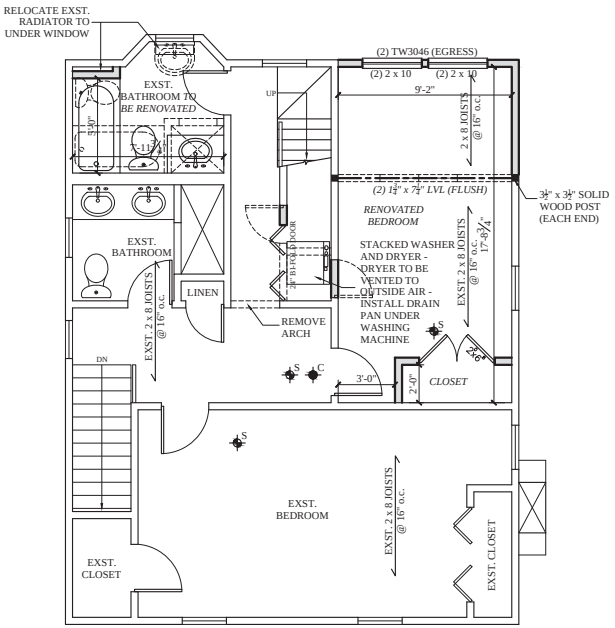
PLOT PLAN

SCALE: 1/8" = 1'



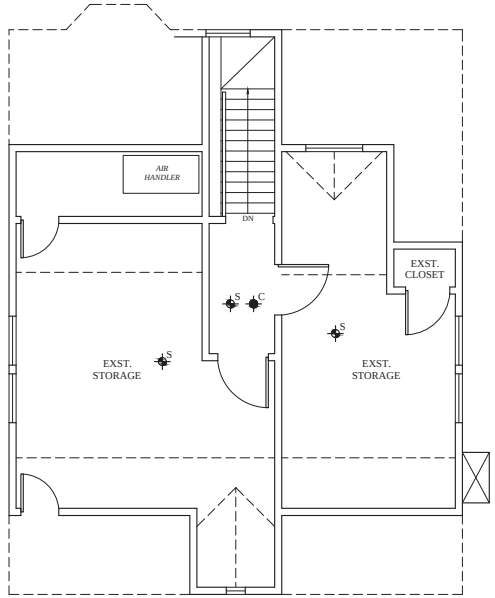
FIRST FLOOR PLAN

SCALE: 1/4" = 1'



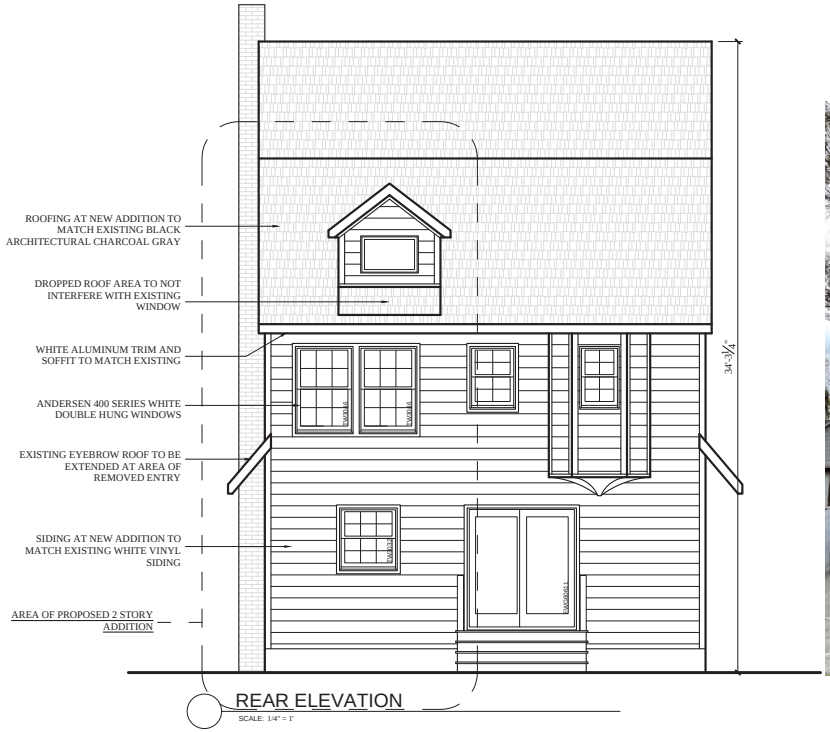
SECOND FLOOR PLAN

SCALE: 1/4" = 1'



ATTIC PLAN

SCALE: 1/4" = 1'

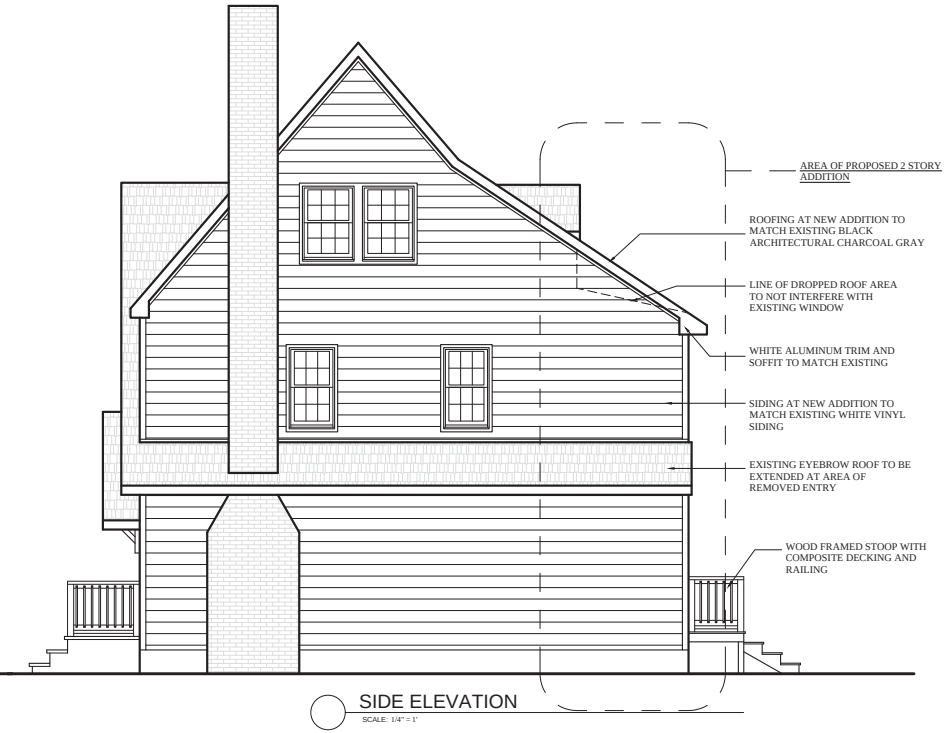


REAR ELEVATION

SCALE: 1/4" = 1'

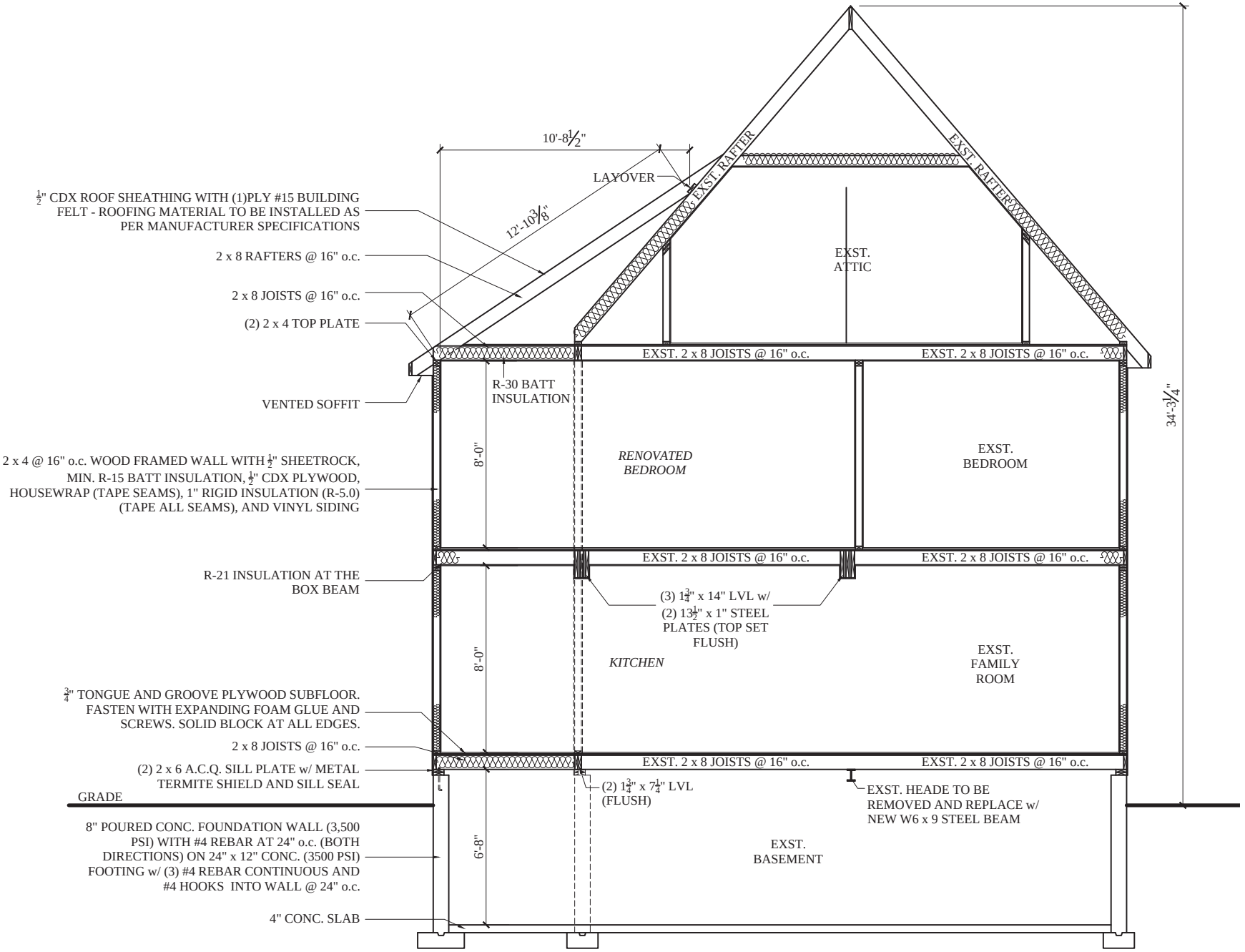
SIDE ELEVATION

SCALE: 1/4" = 1'



SIDE ELEVATION

SCALE: 1/4" = 1'



CROSS SECTION

SCALE: 1/4" = 1'

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
8	8:35 p.m.	48-54	Woodbine Court	Awnings and Two Signs	Amanpreet Gill	Dezant Signs Inc.

48-54 Woodbine Court (Aerial View)

WOODBINE DENTAL12″
Website 7″
Address & Phone 5″

WOODBINE DENTAL

woodbinedentalny.com

48 Woodbine Ct. 516-555-5555

36″ V

18″
Projection

20′ Wide

Sunbrella Fabric Forest Green Material painted white lettering..

14″ Channel Letters

8″ Box 5″ Letters

WOODBINE DENTAL

GENERAL • COSMETIC • IMPLANT DENTISTRY 516-555-5555

24″ V

15′ Wide

Green 3m vinyl 3630-26 for channel letter faces with white outline
Mounted to Ivory backer panel.

DeJant
Signs & Printing
Design • Fabrication • Installation
Awnings, Light Boxes, Channel Letters,
Job-Site Signs, Wood Signs,
Truck Lettering & more

516-771-9241
32 Cherry Lane Floral Park, NY 11001
www.dezantsigns.com

9" Name

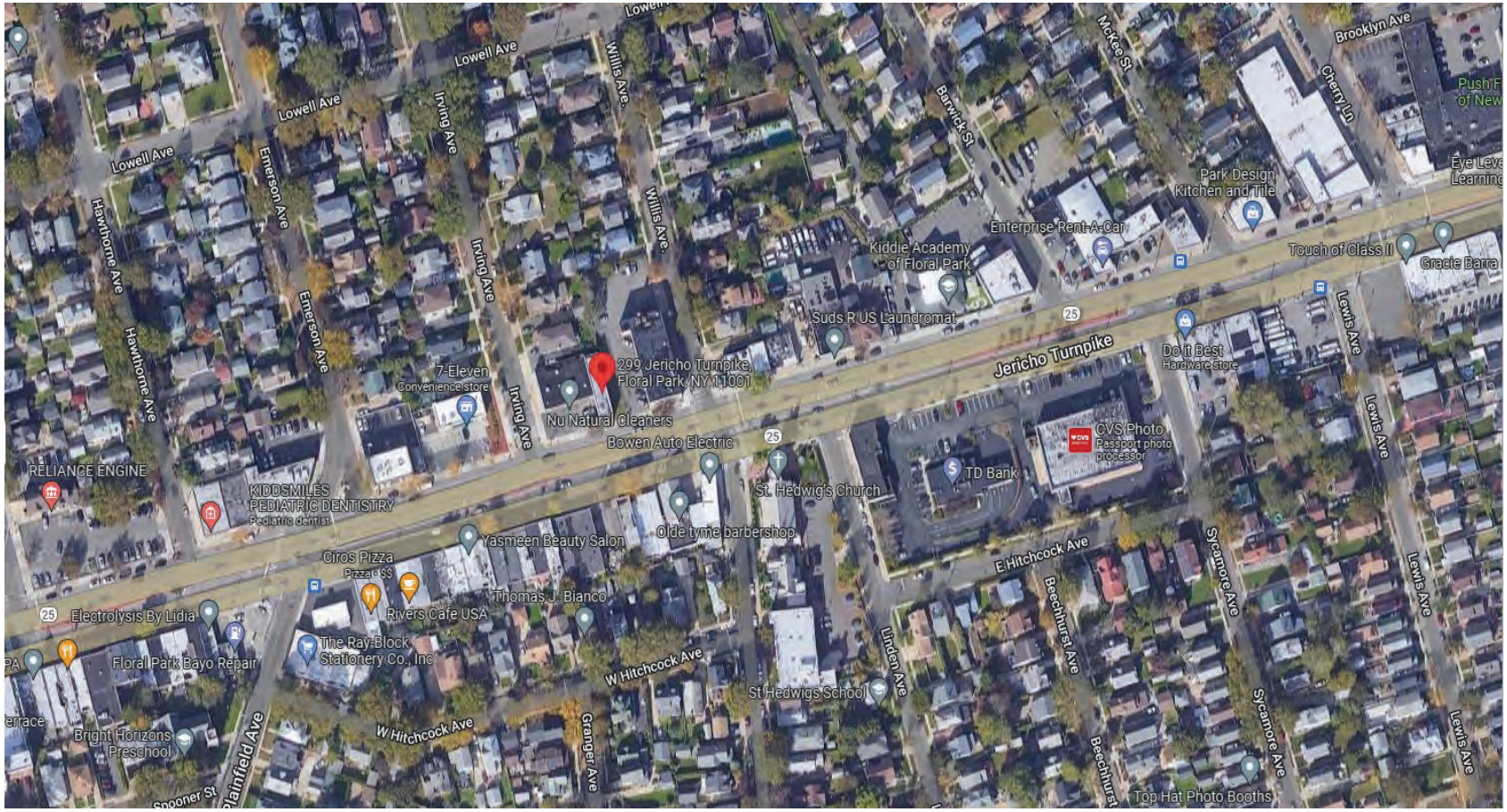
4" Secondary Copy
6" Rectangle

Green 3m vinyl 3630-26

LIGHT BOX

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
9	8:40 p.m.	299	Jericho Turnpike	Re-submission Sign	Jericho Estates Group LLC	Dezant Signs Inc.

299 Jericho Turnpike (Aerial View)



PREVIOUS SUBMISSION

3" Deep Letters

3" Deep Box

1.5" Backer Panel

THE TADCHIEV LAW FIRM
PERSONAL INJURY ATTORNEYS

29"

24" vertical height of lettering

15 Feet

CHANNEL LETTERS MOUNTED ON BACKER PANEL
BLUE SATIN TRANSLUCENT VINYL FACES
12" NAME 15" LOGO 6.5" LETTERS ON A 9" BOX

DeJant
Signs & Printing
Design • Fabrication • Installation
Awnings, Light Boxes, Channel Letters,
Job-Site Signs, Wood Signs,
Truck Lettering & more

516-771-9241
32 Cherry Lane Floral Park, NY 11001
www.dezantsigns.com

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Design • Fabrication • Installation
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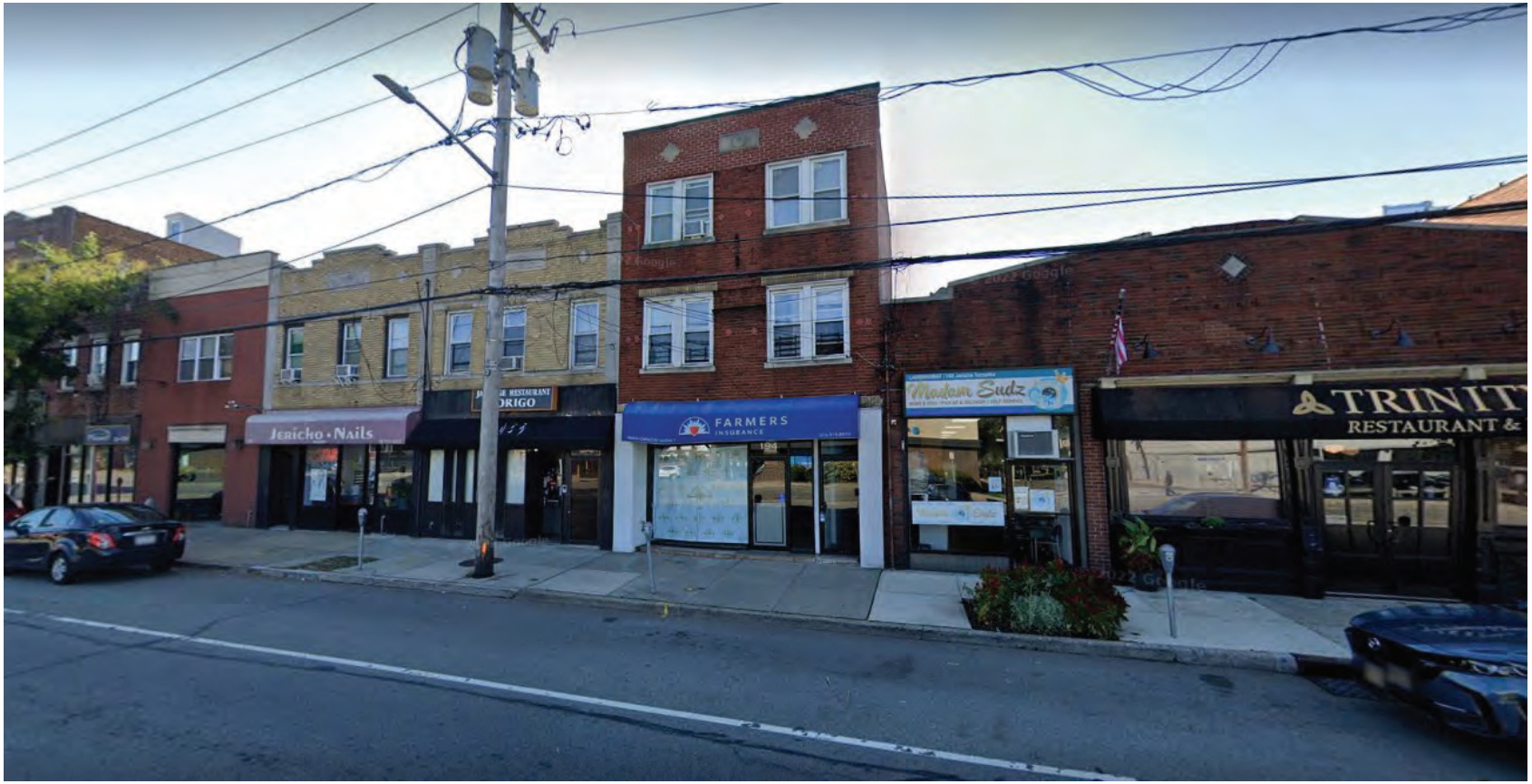
516-771-9241
32 Cherry Lane Floral Park, NY 11001
www.dezantsigns.com

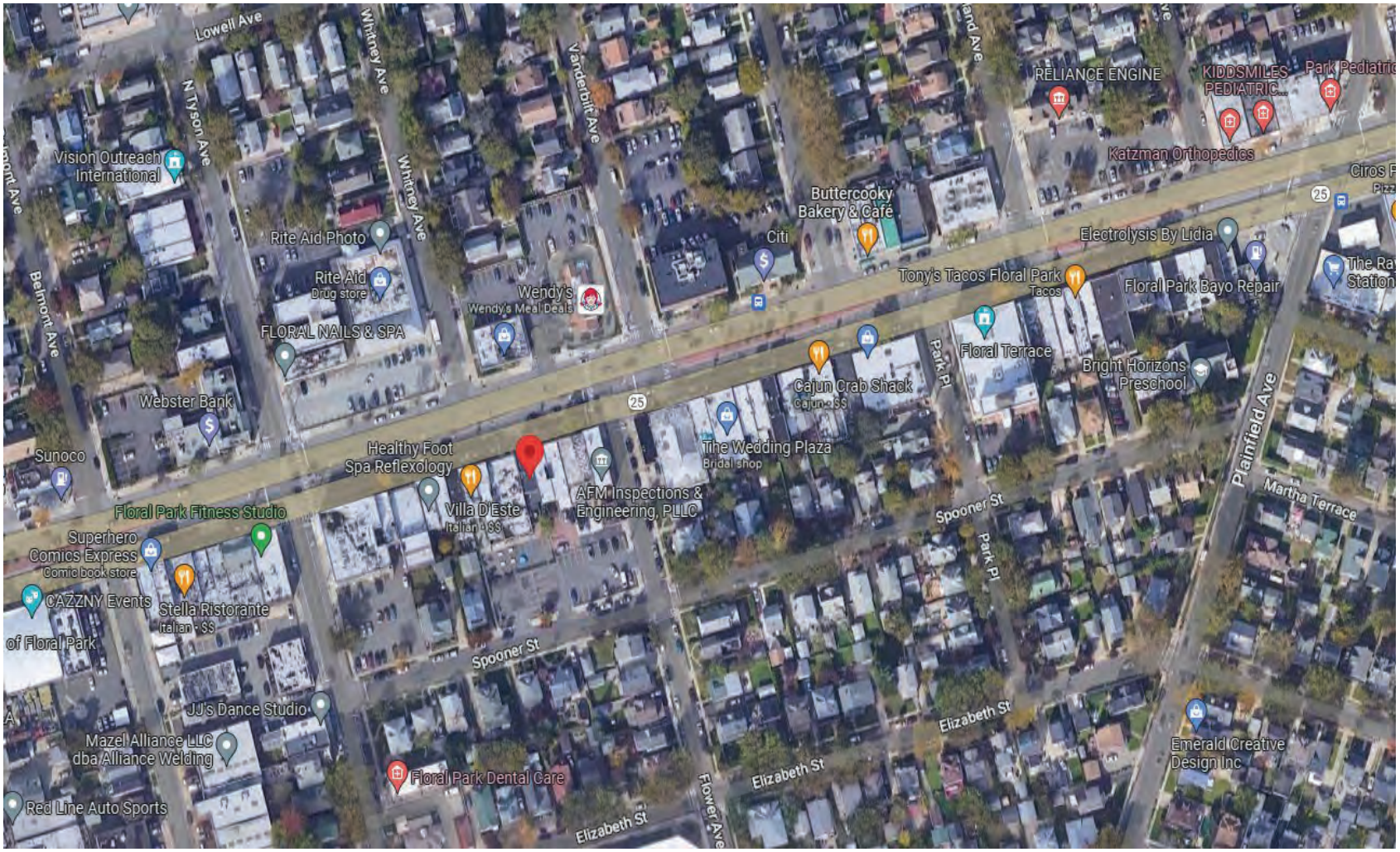
Company Name 12" vertical

Injury Attorneys 6" tall letters box is 9" tall

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
10	8:45 p.m.	194	Jericho Turnpike	Re-submission Sign	Sadiqur Rahman	Dezant Signs Inc.



194 Jericho Turnpike (Aerial View)



Park Assets 6″ vertical Whole logo 14″ V x 60″ H
Exquisite Ventures 4″ vertical whole logo 18″ V x 90″ H
Awning Panel 24″ vertical

Existing awning frame new cover.

EXQUISITE VENTURES
REAL ESTATE | INVESTMENT | DEVELOPMENT

Existing awning frame new cover.

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
11	8:50 p.m.	23	Covert Avenue	Sign	Kim Namsoo	Image Tech

23 Covert Avenue (Aerial View)

REMARKS **LIGHTBOX FACE REPLACEMENT**

192"X24" **3/16** **DIGITAL PRINTED TRANLUCENT ACRYLIC**

reFRESH nails

imagetech

PROJECT

REFRESH NAIL

REF#

DATE

04/06/2023

ADDRESS

23 COVERT AVE

FLORAL PARK, NY 11001

TEL.

(516) 354-8176

202-18 45TH AVE.
BAYSIDE, NY 11361
347 438 1682

WWW.IMAGETECHNY.COM
IMAGETECHNY@GMAIL.COM