



ARCHITECTURAL & PRELIMINARY SITE PLAN REVIEW BOARD

MICHAEL F. LONGOBARDI – VILLAGE TRUSTEE LIAISON
TIMOTHY T. TWEEDY, P.E. – CHAIRMAN
JOHN LOCKWOOD
ANTHONY KRUYNSKI
ROGER KUEHNLENZ
EDWARD CHATTERTON

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

JANUARY 22, 2025
8:00 pm

Note Location: Recreation Center/Pool Building

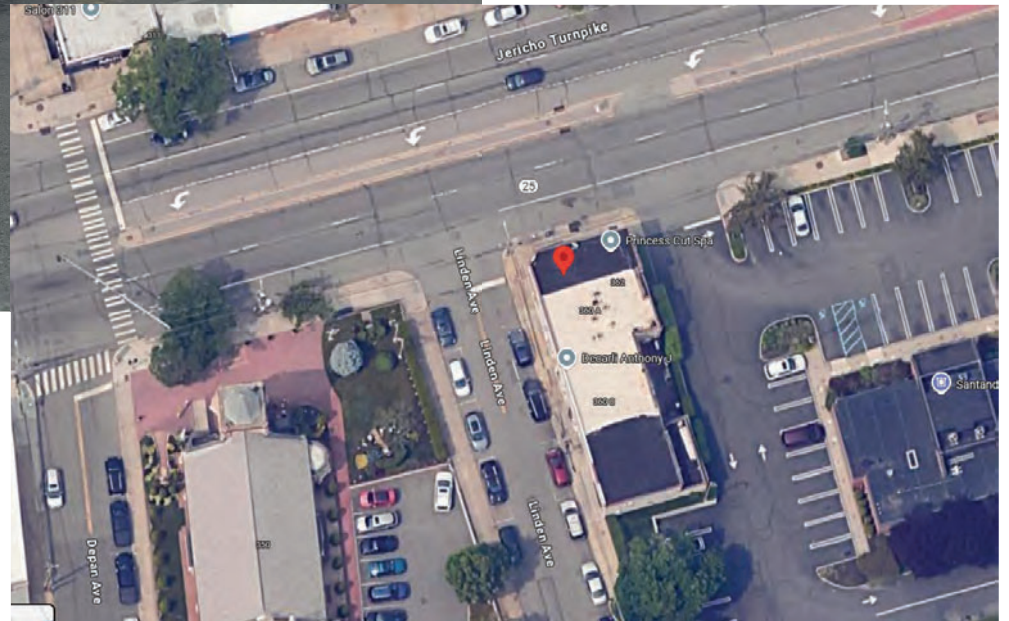
Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
1	8:00 p.m.	360D	Jericho Turnpike	Sign	LaManga's Dog Grooming	Dezant Signs
2	8:10 p.m.	221	Locust Street	Solar	Liana Riccardi	Momentum Solar
3	8:20 p.m.	19	Depan Avenue	Solar	Thomas Thottam	Momentum Solar
4	8:30 p.m.	189	Bellmore Street	Second Story Addition and Portico	Jason & Cynthia Urbanski	Christopher Dowdell
5	8:40 p.m.	80	Willow Street	Two Car Garage and Mud Room Addition	Laura Pape	Demetris Demetriou
6	8:50 p.m.	78	Ontario Road	Addition		Demetris Demetriou

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
1	8:00 p.m.	360D	Jericho Turnpike	Sign	LaManga's Dog Grooming	Dezant Signs





EXISTING



"L" 10"
 "D" in Dog 2.5"

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

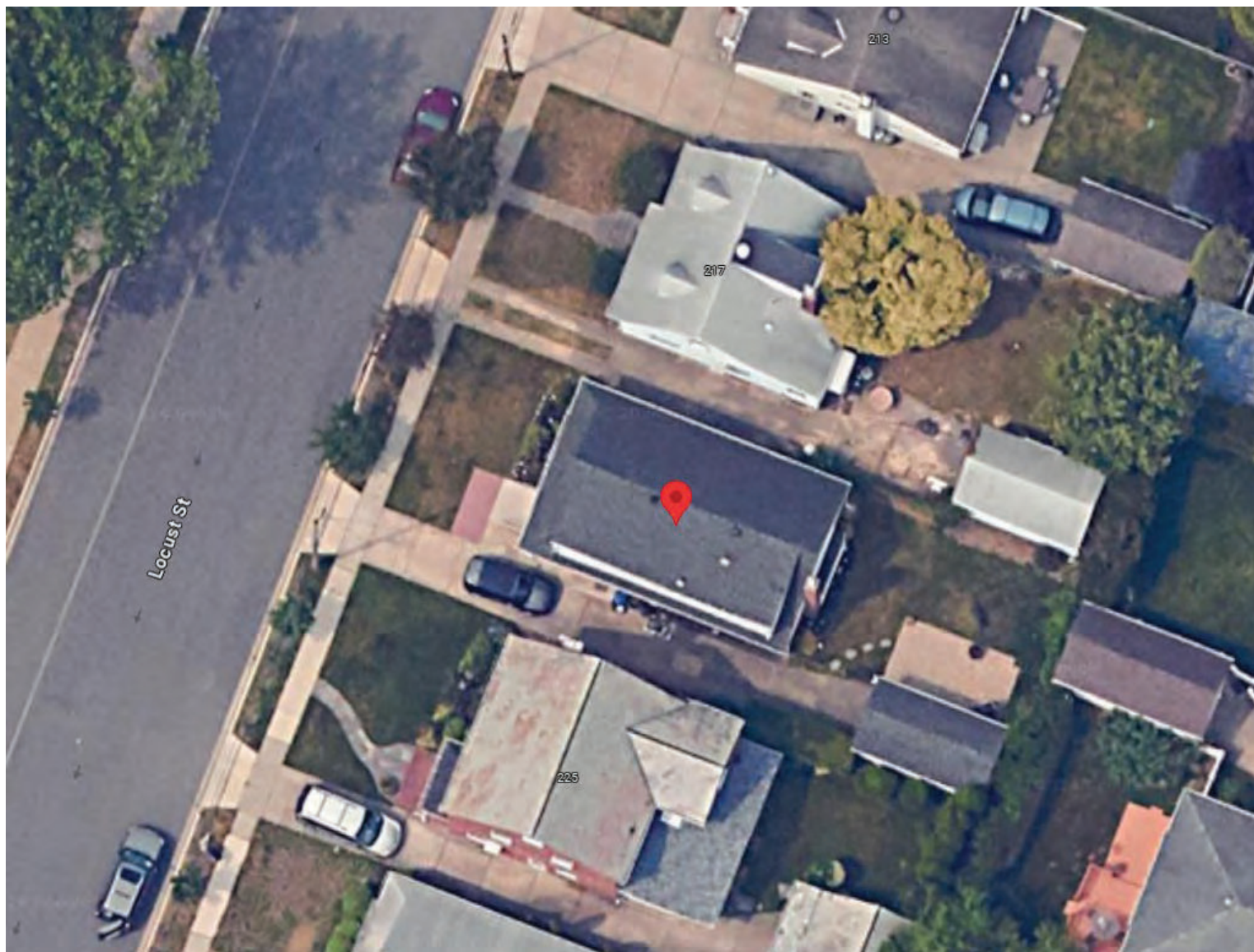
516-771-9241
 32 Cherry Lane Floral Park, NY 11001

www.dezantsigns.com

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
2	8:10 p.m.	221	Locust Street	Solar	Liana Riccardi	Momentum Solar



221 Locust Street (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	SUPERIMPOSED PHOTO
PV-6 (2)	SUPERIMPOSED PHOTO
PV-7	ELECTRICAL
PV-8	EQUIPMENT LABELS

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK ML-G10+ 410
INVERTER	ENPHASE IQ8HC-72-M-DOM-US
RACKING	UNIRAC SM LIGHT RAIL SYSTEM W/ SOLAR MOUNT
SYSTEM SIZE (DC)	14.35 KW
LOCATION	40.7142885,-73.7049947

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. THIS REVIEW 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	
NON SH MODULES	35
SH MODULES	0
INVERTERS	35
L-FOOT ATTACHMENT W/ UNIRAC SOLAR MOUNT	122
ENPHASE COMBINER BOX	1
SOLAR AC DISCONNECT	1
70A OCPD	1
125A LINE TAPS	2
168" RAIL	18



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

PROFESSIONAL ENGINEERING



MIMA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
3096B HAMILTON BLVD SOUTH PLAINFIELD, NJ 07060
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

LIANA RICCARDI - MS161207
221 LOCUST ST
FLORAL PARK, NY 11001
9175190841

JURISDICTION: NASSAU
UTILITY: PSEGI
UTILITY ACCT #:
UTILITY METER #:

PV SYSTEM INFORMATION

SYSTEM SIZE (DC): 14.35 KW
SYSTEM SIZE (AC): 13.3 KVA
35 MODULES: HANWHA Q.PEAK DUO BLK ML-G10+ 410
(SAFE HARBOR MODULES: 0)
35 INVERTERS: ENPHASE IQ8HC-72-M-DOM-US

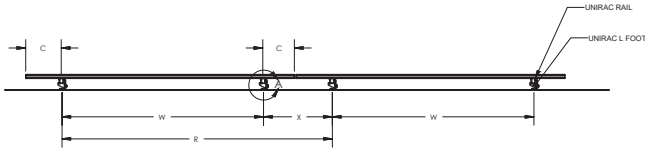
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INITIAL	DATE: 11/26/2024	DESIGNER: SH
REV:	DATE:	DESIGNER:
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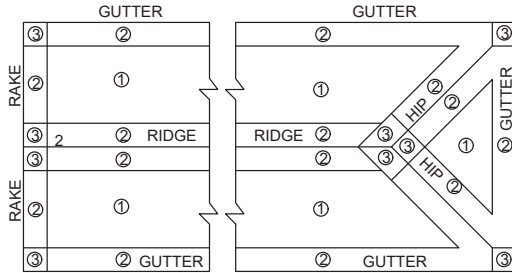
COVER PAGE

PV-1

1. ALL WIND DESIGN CRITERIA ARE FOR LOW SLOPE ROOFS, GABLE AND HIP ROOFS CONSIDERED FROM AN ANGLE OF MIN. 9.5 ° TO MAX. 60° 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 ASTM C920 AND ASTM 6511
4. ALL ATTACHMENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.



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 OUTER 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

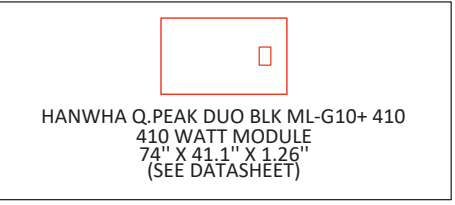
PART # TABLE		
P/N	DESCRIPTION	LENGTH
315168M	SM LIGHT RAIL 168" MILL.	168"
315168D	SM LIGHT RAIL 168" DRK	168"
315240M	SM LIGHT RAIL 240" MILL.	240"
315240D	SM LIGHT RAIL 240" DRK	240"

UNIRAC 1411 BROADWAY BLVD. #E ALBUQUERQUE, NM 87107 USA PHONE: 505.242.8411 WWW.UNIRAC.COM	PRODUCT LINE: SOLARMOUNT DRAWING TYPE: PART DETAIL DESCRIPTION: LIGHT RAIL REVISION DATE: 9/11/2017	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	SM-P02 SHEET
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UNIRAC 1411 BROADWAY BLVD. #E ALBUQUERQUE, NM 87107 USA PHONE: 505.242.8411 WWW.UNIRAC.COM	PRODUCT LINE: SOLARMOUNT DRAWING TYPE: PART & ASSEMBLY DESCRIPTION: L-FOOT REVISION DATE: 11/19/2018	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	SM-A11 SHEET
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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.



momentum SOLAR

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 SYSTEM SIZE (AC): 13.3 KVA
 35 MODULES: HANWHA Q.PEAK DUO BLK ML-G10+ 410
 (SAFE HARBOR MODULES: 0)
 35 INVERTERS: ENPHASE Q8HC-72-M-DOM-US

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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	13	13°	201°	97%	48 /32 /32	48 /32 /32
R2	22	41°	21°	87%	48 /32 /32	48 /32 /32



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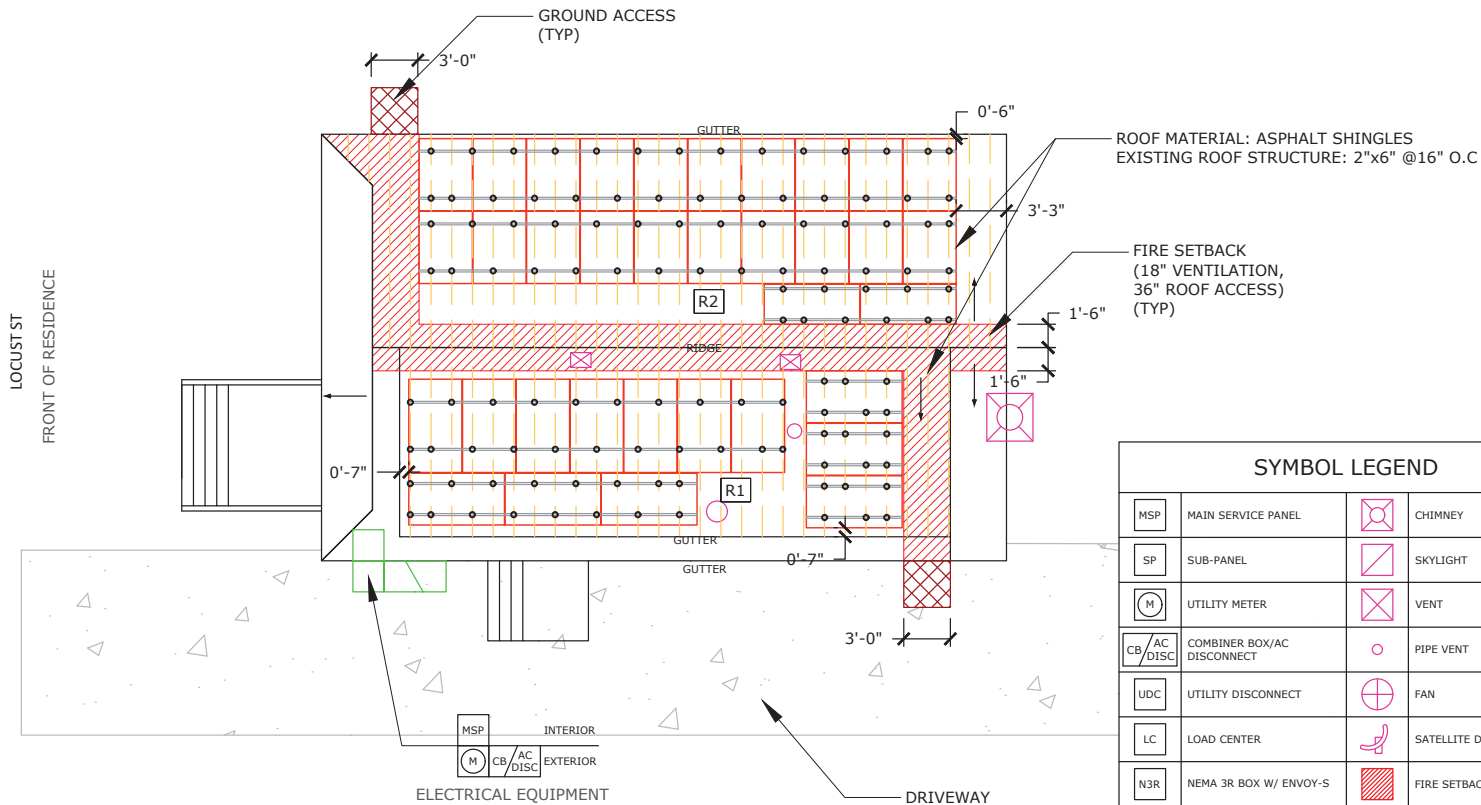
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PANEL LAYOUT

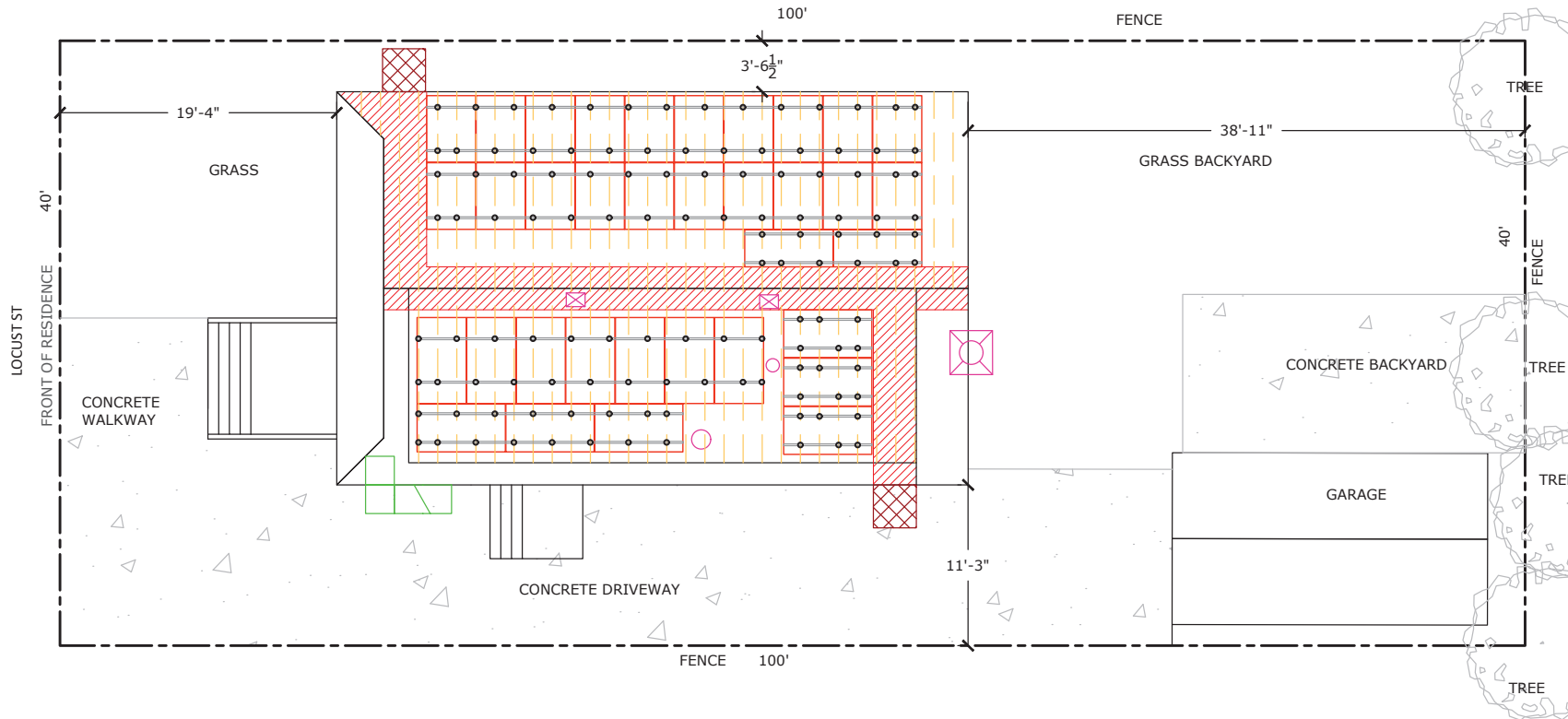
PV-2



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		

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



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PLOT PLAN

PV-2(2)



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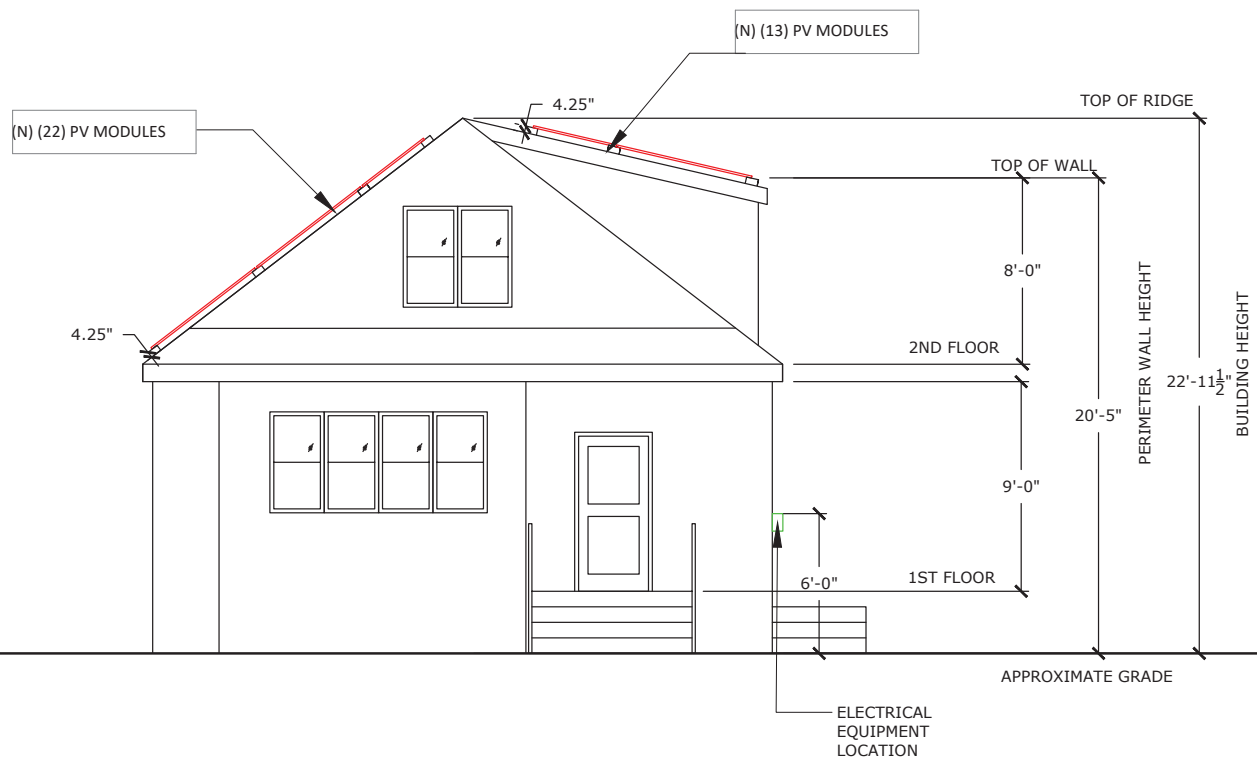
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ELEVATION 1

PV-3



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



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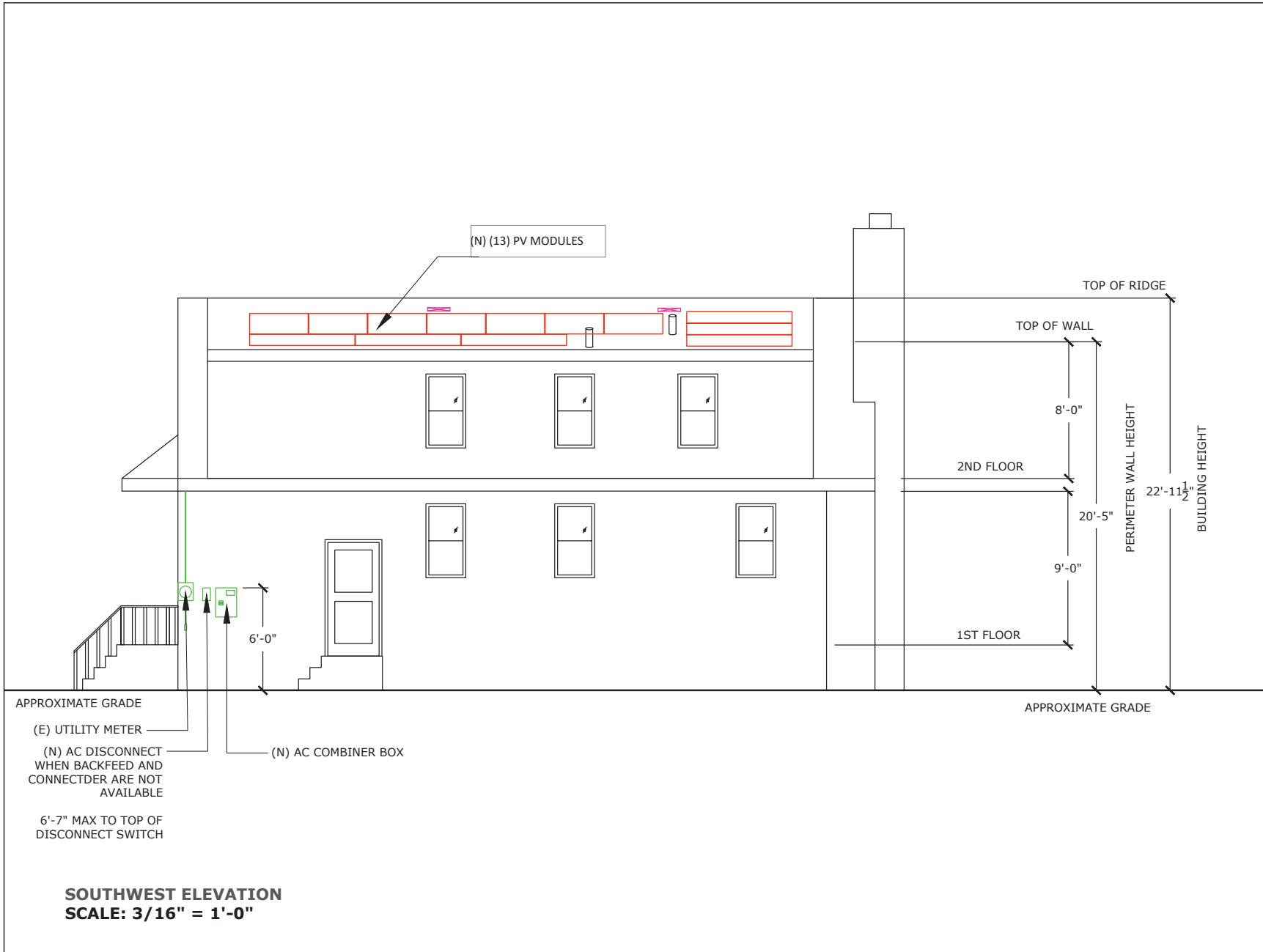
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ELEVATION 1

PV-4





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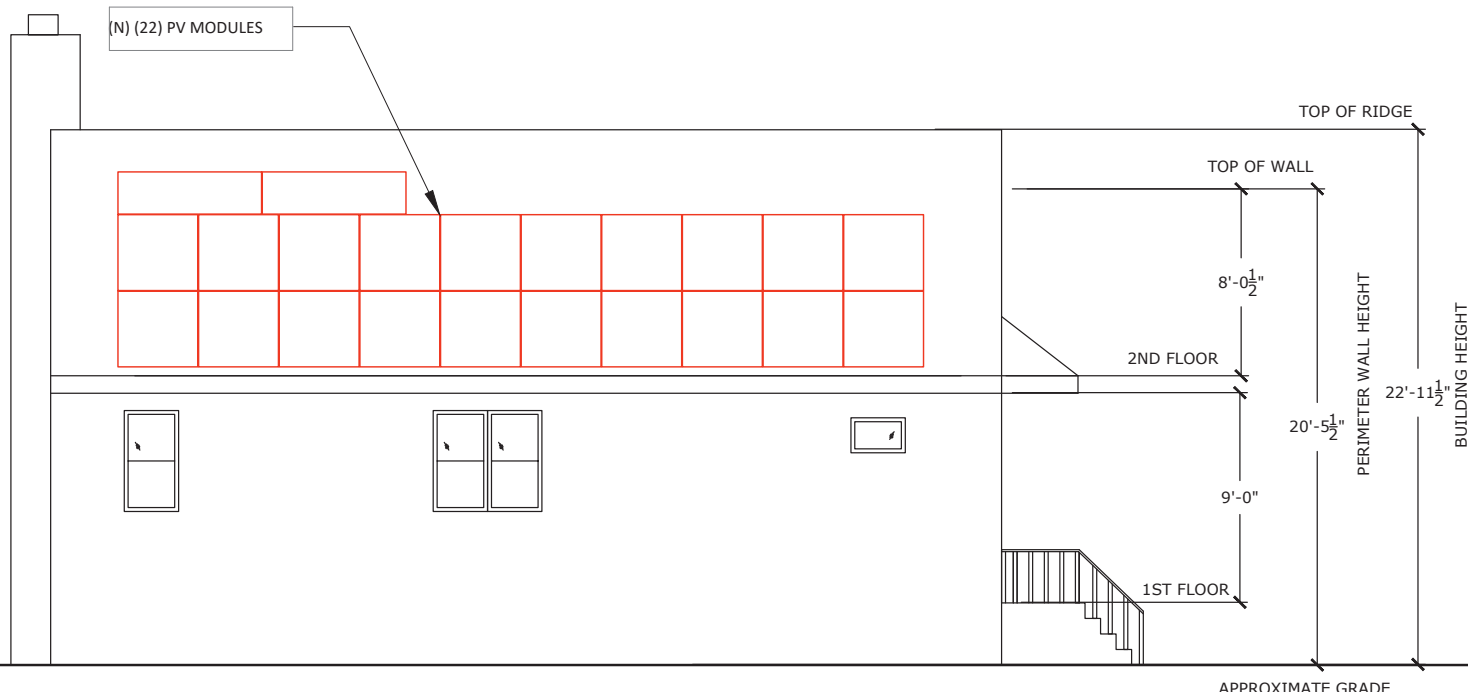
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ELEVATION 1

PV-5



APPROXIMATE GRADE

APPROXIMATE GRADE

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



NO PANELS ON FRONT OF THE HOUSE



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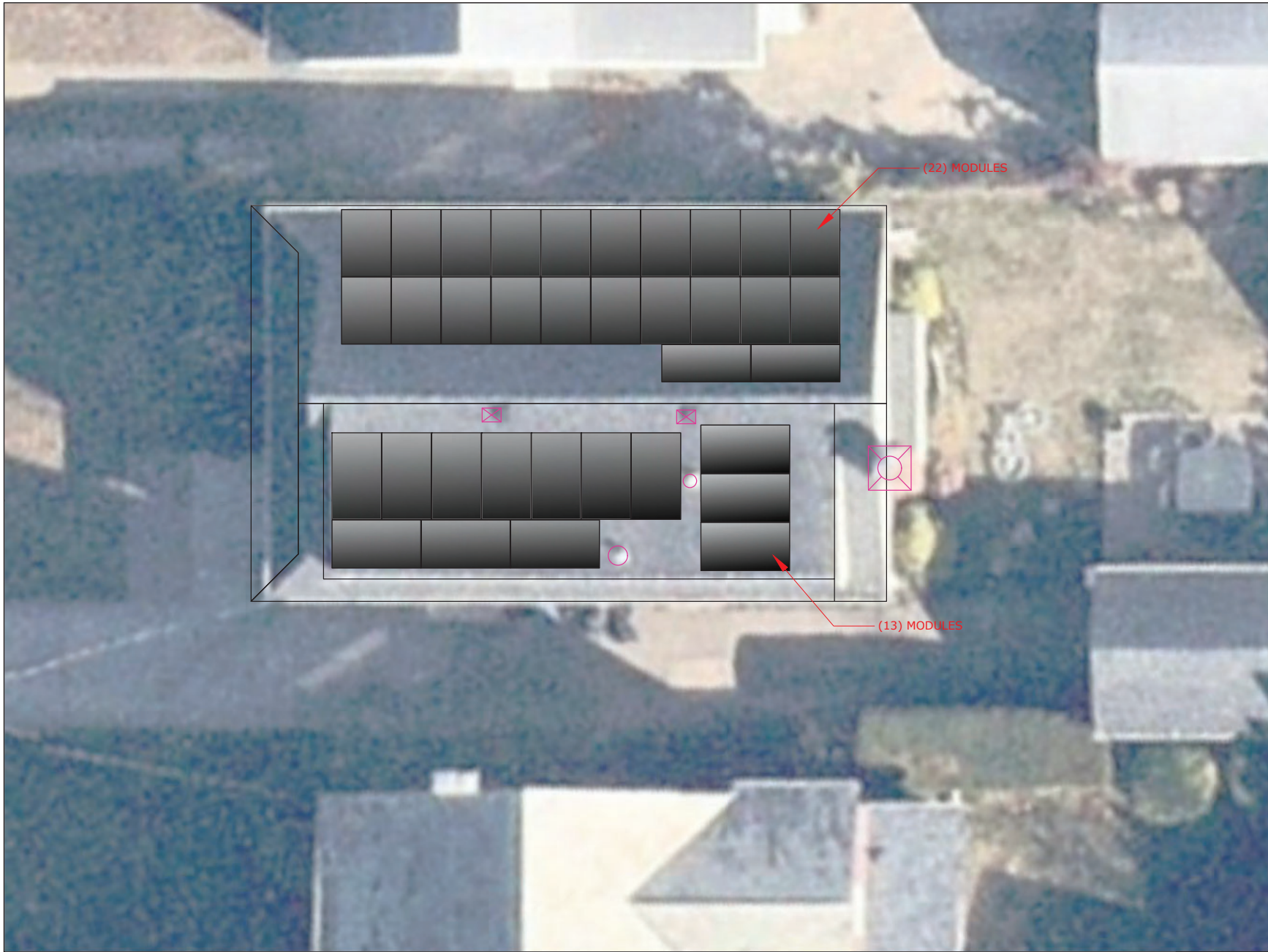
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REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

SUPERIMPOSED PHOTO

PV-6



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

PROFESSIONAL ENGINEERING



MIMA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
 3096B HAMILTON BLVD SOUTH PLAINFIELD, NJ 07060
 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

LIANA RICCARDI - MS161207
 221 LOCUST ST
 FLORAL PARK, NY 11001
 9175190841

JURISDICTION: NASSAU
 UTILITY: PSEGLI
 UTILITY ACCT #:
 UTILITY METER #:

PV SYSTEM INFORMATION

SYSTEM SIZE (DC): 14.35 KW
 SYSTEM SIZE (AC): 13.3 KVA
 35 MODULES: HANWHA Q.PEAK DUO BLK
 ML-G10+ 410
 (SAFE HARBOR MODULES: 0)
 35 INVERTERS: ENPHASE
 Q8HC-72-M-DOM-US

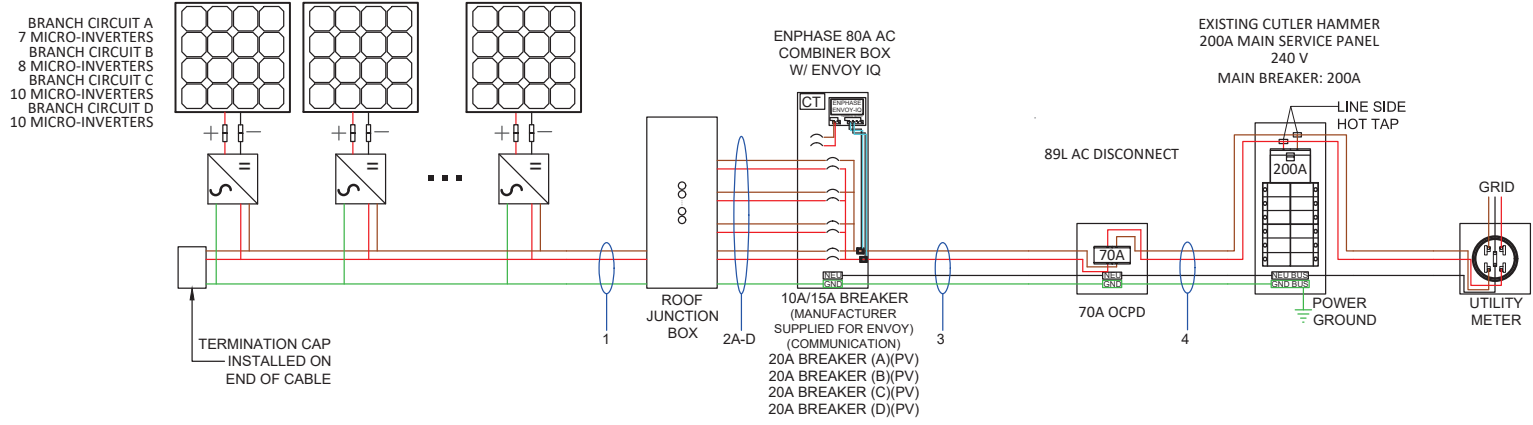
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SUPERIMPOSED PHOTO

PV-6 (2)

35 HANWHA Q.PEAK DUO BLK ML-G10+ 410 410W MODULES PAIRED WITH
35 ENPHASE IQ8HC-72-M-DOM-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 COEFFICIENTS.
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)



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ELECTRICIAN

PRO CUSTOM SOLAR DBA MOMENTUM SOLAR
JEFFREY MARINELLO, (732) 902-6224
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CUSTOMER INFORMATION

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SAFE HARBOR MODULES: 0)
35 INVERTERS: ENPHASE IQ8HC-72-M-DOM-US

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ELECTRICAL

PV-7

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	10	1.58	1.25	19.75	12 AWG	Trunk Cable
2A	1" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.7	26.88	7	1.58	1.25	13.83	08 AWG	THWN-2
2B	1" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.7	26.88	8	1.58	1.25	15.80	08 AWG	THWN-2
2C	1" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.7	26.88	10	1.58	1.25	19.75	08 AWG	THWN-2
2D	1" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.7	26.88	10	1.58	1.25	19.75	08 AWG	THWN-2
3	1" PVC	3	04 AWG	THWN-2	75°C	85	0.96	1	81.60	35	1.58	1.25	69.13	08 AWG	THWN-2
4	1" PVC	3	04 AWG	THWN-2	75°C	85	0.96	1	81.60	35	1.58	1.25	69.13	08 AWG	THWN-2

TAG	LABEL	QUANTITY	LOCATION	NOTE
(A)		12	AC CONDUITS	1 AT EVERY SEPARATION BY ENCLOSURES / WALLS / PARTITIONS / CEILINGS / FLOORS OR NO MORE THAN 10'
(B)		1	COMBINER BOX	1 AT ANY COMBINER BOX
(C)		1	JUNCTION BOX	1 AT ANY JUNCTION BOX
(D)		1	AC DISCONNECT	1 OF EACH AT FUSED AC DISCONNECT COMPLETE VOLTAGE AND CURRENT VALUES ON DISCONNECT LABEL
(E)		1	PV METER SOCKET	1 AT PV METER SOCKET AND ONE DIRECTORY PLACARD
(F)		1	UTILITY METER	1 AT UTILITY METER AND ONE DIRECTORY PLACARD
(G)		1	INTERCONNECTION POINT	1 OF EACH AT BUILDING INTERCONNECTION POINT AND ONE DIRECTORY PLACARD
(H)		1	AC CURRENT PV MODULES	

EXAMPLES

(A)

(B)

(C)

(D)

(E)

(G) BACKFEED

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EQUIPMENT LABELS

PV-8

Q.PEAK DUO BLK ML-G10+ SERIES



385 - 410 Wp | 132 Cells
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+



Breaking the 20% efficiency barrier

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



A reliable investment

Inclusive 25-year product warranty and 25-year linear performance warranty¹.



Enduring high performance

Long-term yield security with Anti LeTID Technology, Anti PID Technology² and Hot-Spot Protect.



Extreme weather rating

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



Innovative all-weather technology

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



The most thorough testing programme in the industry

Qcells 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.

¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015, method A (-1500 V, 96 h)

The ideal solution for:



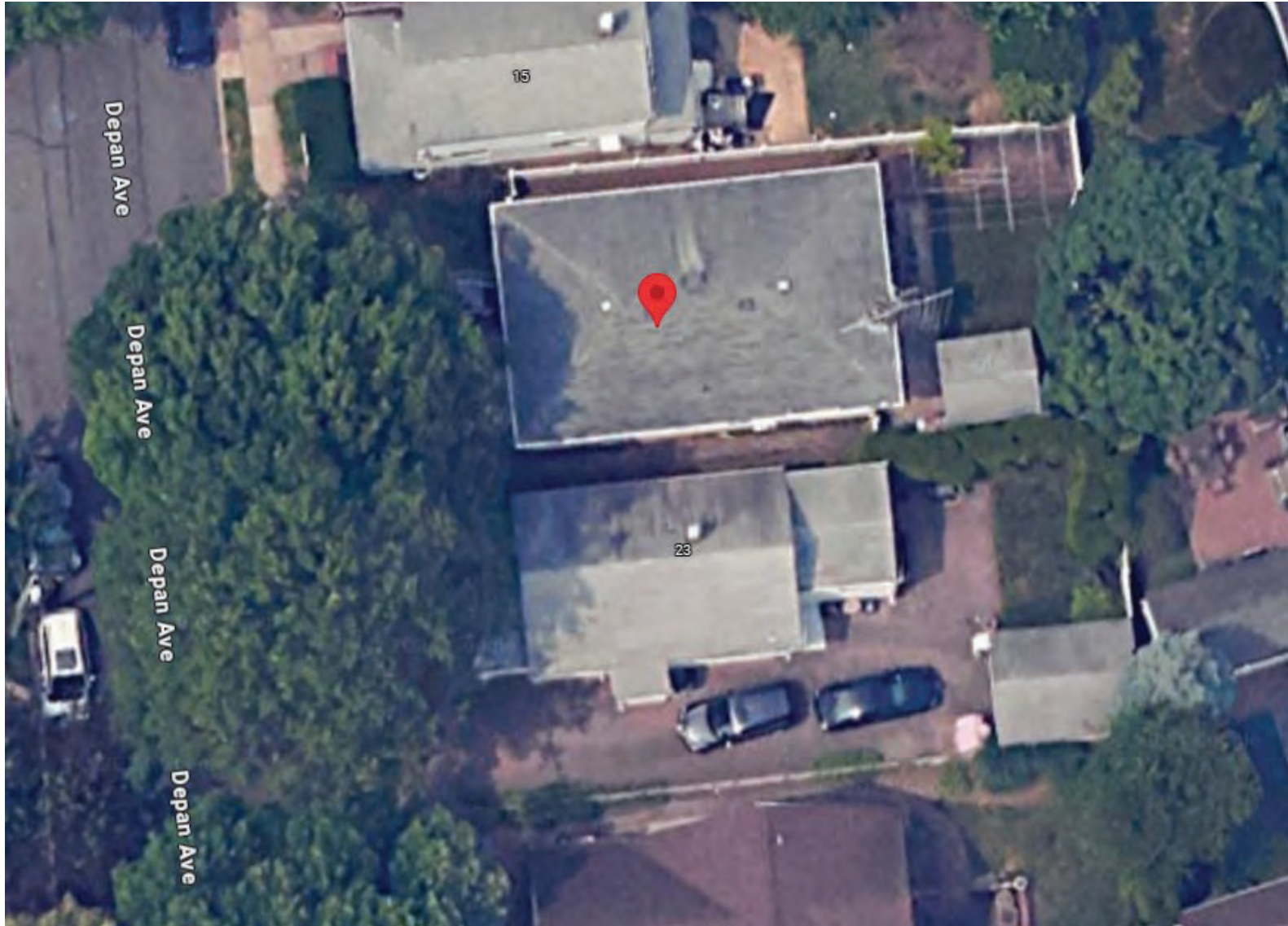
Rooftop arrays on residential buildings



Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
3	8:20 p.m.	19	Depan Avenue	Solar	Thomas Thottam	Momentum Solar



19 Depan Avenue (Aerial View)



PLAN KEY	
PV-1	COVER PAGE
PV-1(2)	ATTACHMENT DETAIL
PV-2	PANEL LAYOUT
PV-2(2)	PLOT PLAN
PV-3	ELEVATION -1
PV-4	ELEVATION -2
PV-5	SUPERIMPOSED PHOTO
PV-6	SUPERIMPOSED PHOTO
PV-7	SUPERIMPOSED PHOTO
PV-8	SUPERIMPOSED PHOTO
PV-9	SUPERIMPOSED PANELS
PV-10	ELECTRICAL
PV-11	EQUIPMENT LABELS

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK ML-G10+ 410
INVERTER	ENPHASE IQ8HC-72-M-DOM-US
RACKING	UNIRAC SM LIGHT RAIL SYSTEM W/ SOLAR MOUNT
SYSTEM SIZE (DC)	4.92 KW
LOCATION	40.7287882,-73.6971777

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. THIS REVIEW 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	
NON SH MODULES	12
SH MODULES	0
INVERTERS	12
L-FOOT ATTACHMENT W/ UNIRAC SOLAR MOUNT	39
ENPHASE COMBINER BOX	1
SOLAR AC DISCONNECT	1
30A OCPD	1
125A LINE TAPS	2
168" RAIL	6



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CUSTOMER INFORMATION

THOMAS THOTTAM - MS162530
19 DEPAN AVE
FLORAL PARK, NY 11001
5167244634

JURISDICTION: NASSAU
UTILITY: PSEGI
UTILITY ACCT #:
UTILITY METER #:

PV SYSTEM INFORMATION

SYSTEM SIZE (DC): 4.92 KW
SYSTEM SIZE (AC): 4.56 KVA
12 MODULES: HANWHA Q.PEAK DUO BLK ML-G10+ 410
(SAFE HARBOR MODULES: 0)
12 INVERTERS: ENPHASE Q8HC-72-M-DOM-US

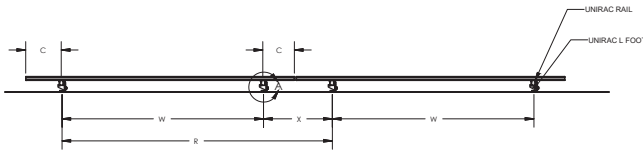
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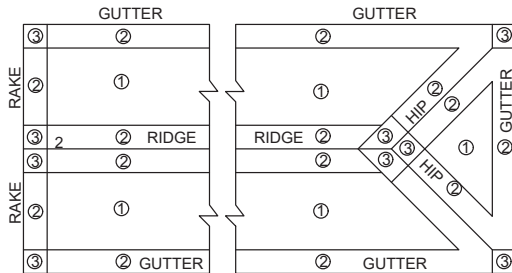
COVER PAGE

PV-1

1. ALL WIND DESIGN CRITERIA ARE FOR LOW SLOPE ROOFS, GABLE AND HIP ROOFS CONSIDERED FROM AN ANGLE OF MIN. 9.5 ° TO MAX. 60° 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 ASTM C920 AND ASTM 6511
4. ALL ATTACHMENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.



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 OUTER ROOF EDGES,
 RIDGES, HIPs, RAKES, AND GUTTER EDGES FOR STRUCTURES
 BELOW 30'-0" MEAN ROOF HT.

TOTAL WEIGHT OF PV MODULES AND RAILS	502.2 LBS
TOTAL NUMBER OF ATTACHMENT POINTS	37
WEIGHT PER ATTACHMENT POINT	13.572972972973 LBS
TOTAL SURFACE AREA OF PV MODULES	217.68 SQFT
DISTRIBUTED WEIGHT OF PV MODULE ON ROOF	2.31 LBS./SQFT

P/N	DESCRIPTION	LENGTH
315168M	SM LIGHT RAIL 168" MILL.	168"
315168D	SM LIGHT RAIL 168" DRK	168"
315240M	SM LIGHT RAIL 240" MILL.	240"
315240D	SM LIGHT RAIL 240" DRK	240"

UNIRAC 1411 BROADWAY BLVD. #E ALBUQUERQUE, NM 87107 USA PHONE: 505.242.8411 WWW.UNIRAC.COM	PRODUCT LINE: SOLARMOUNT DRAWING TYPE: PART DETAIL DESCRIPTION: LIGHT RAIL REVISION DATE: 9/11/2017	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	SM-P02 SHEET
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UNIRAC 1411 BROADWAY BLVD. #E ALBUQUERQUE, NM 87107 USA PHONE: 505.242.8411 WWW.UNIRAC.COM	PRODUCT LINE: SOLARMOUNT DRAWING TYPE: PART & ASSEMBLY DESCRIPTION: L-FOOT REVISION DATE: 11/19/2018	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	SM-A11 SHEET
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CLIMATIC & GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(1)	
GROUND SNOW LOAD(LBS/SF)	25
SPEED (MPH)	110
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.



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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	12	26°	174°	81%	48 /32 /32	48 /32 /32



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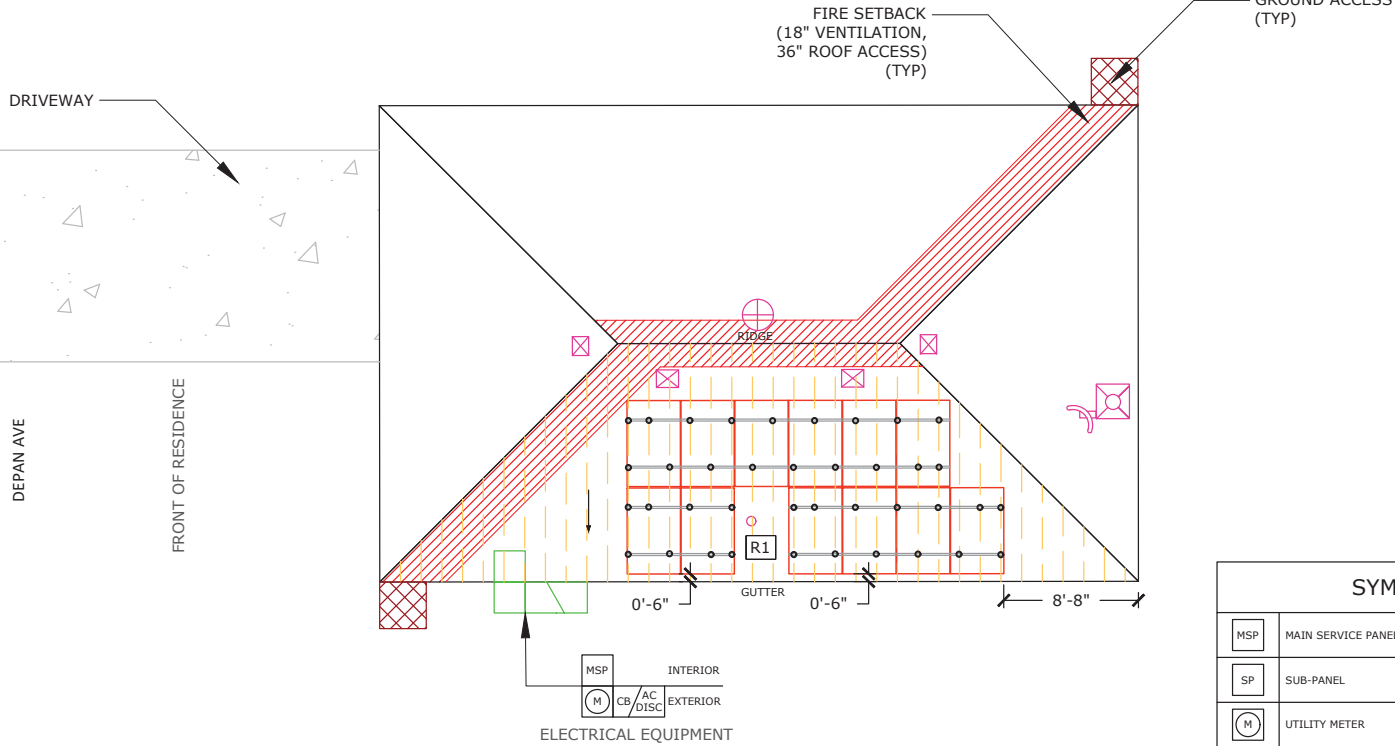
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PANEL LAYOUT

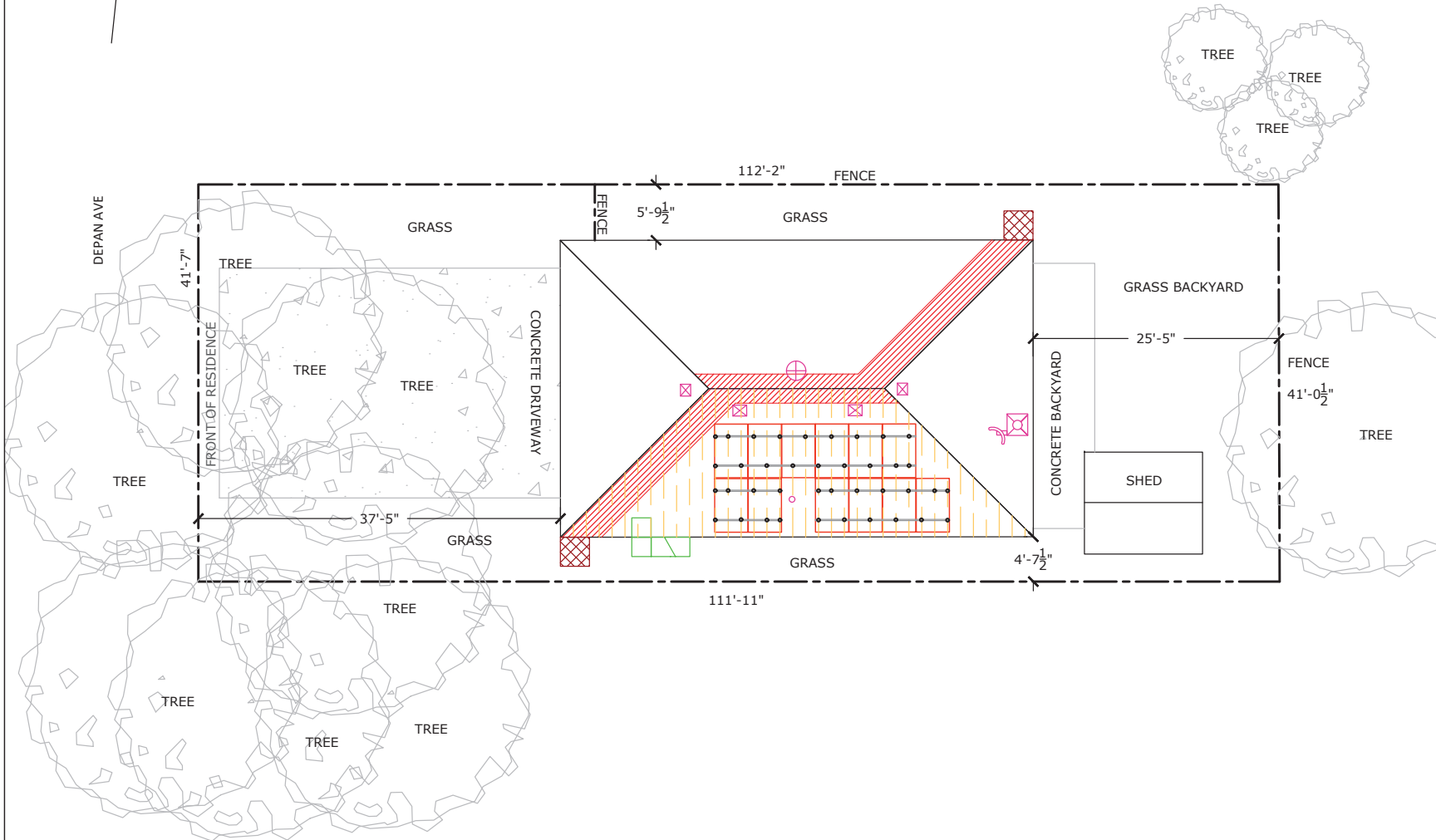
PV-2



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		

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



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COMPLIANCE. WARNING THAT IT IS A VIOLATION OF THE LAW FOR
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CUSTOMER INFORMATION

THOMAS THOTTAM - MS162530
19 DEPAN AVE
FLORAL PARK, NY 11001
5167244634

JURISDICTION: NASSAU
UTILITY: PSE&I
UTILITY ACCT #:
UTILITY METER #:

PV SYSTEM INFORMATION

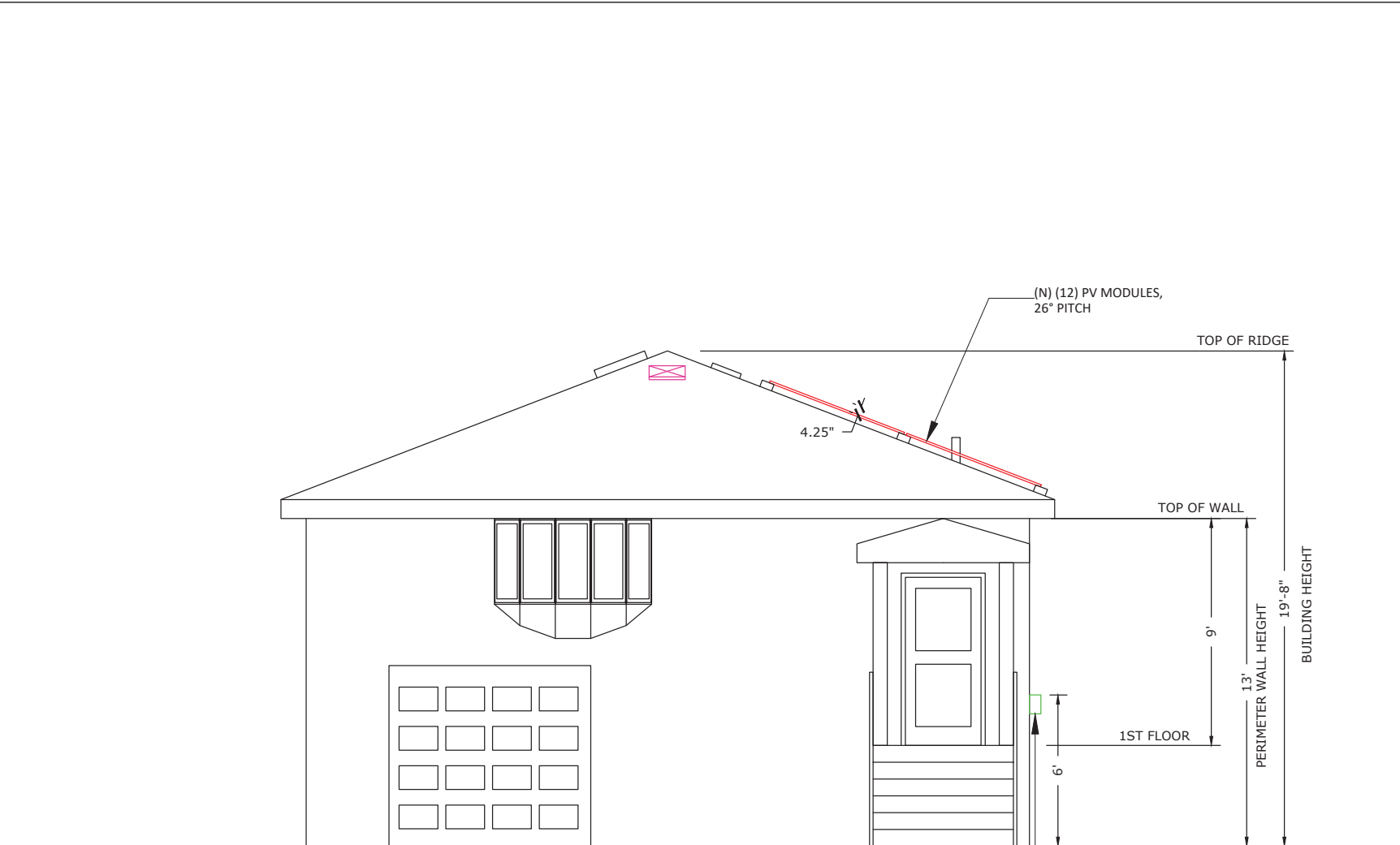
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SYSTEM SIZE (AC): 4.56 KVA
12 MODULES: HANWHA Q.PEAK DUO BLK
ML-G10+ 410
(SAFE HARBOR MODULES: 0)
12 INVERTERS: ENPHASE
Q8HC-72-M-DOM-US

PROJECT INFORMATION

INITIAL	DATE: 12/18/2024	DESIGNER: SR
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REV:	DATE:	DESIGNER:

PLOT PLAN

PV-2(2)



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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PROFESSIONAL ENGINEERING



MIMA A. MAKAR, P.E. NY LICENSE # 104468 (732)-902-6224
 3096B HAMILTON BLVD SOUTH PLAINFIELD, NJ 07060
 ENGINEERING LETTER ATTACHED HAS SPECIFICATIONS FOR WIND
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PROJECT INFORMATION		
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REV:	DATE:	DESIGNER:

ELEVATION -1

PV-3



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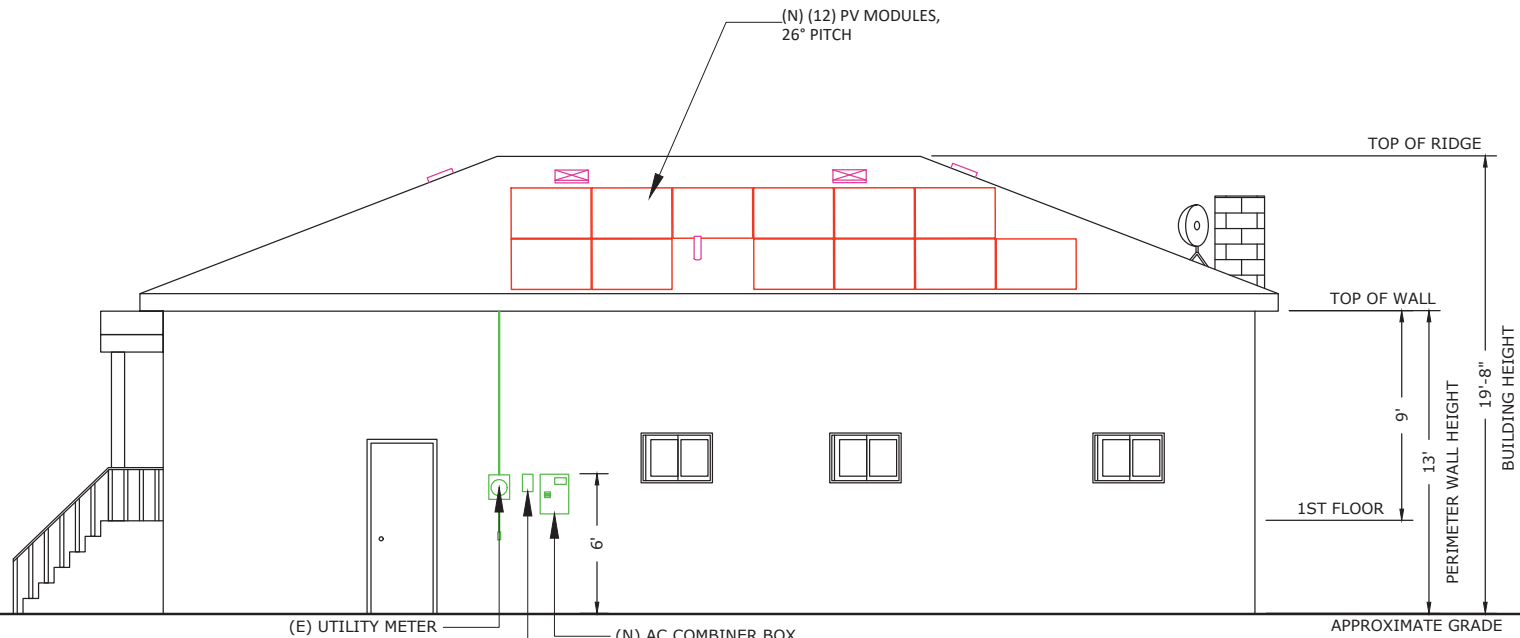
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REV:	DATE:	DESIGNER:

ELEVATION -2

PV-4



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



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PROJECT INFORMATION

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REV:	DATE:	DESIGNER:

SUPERIMPOSED PHOTO

PV-5

FRONT OF HOUSE

PANELS ARE NOT VISIBLE FROM FRONT OF HOUSE



NORTHWEST SIDE



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PROJECT INFORMATION

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REV:	DATE:	DESIGNER:

SUPERIMPOSED PHOTO

PV-6



SOUTHEAST SIDE



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PROFESSIONAL ENGINEERING



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SUPERIMPOSED PHOTO

PV-7



BACK OF HOUSE



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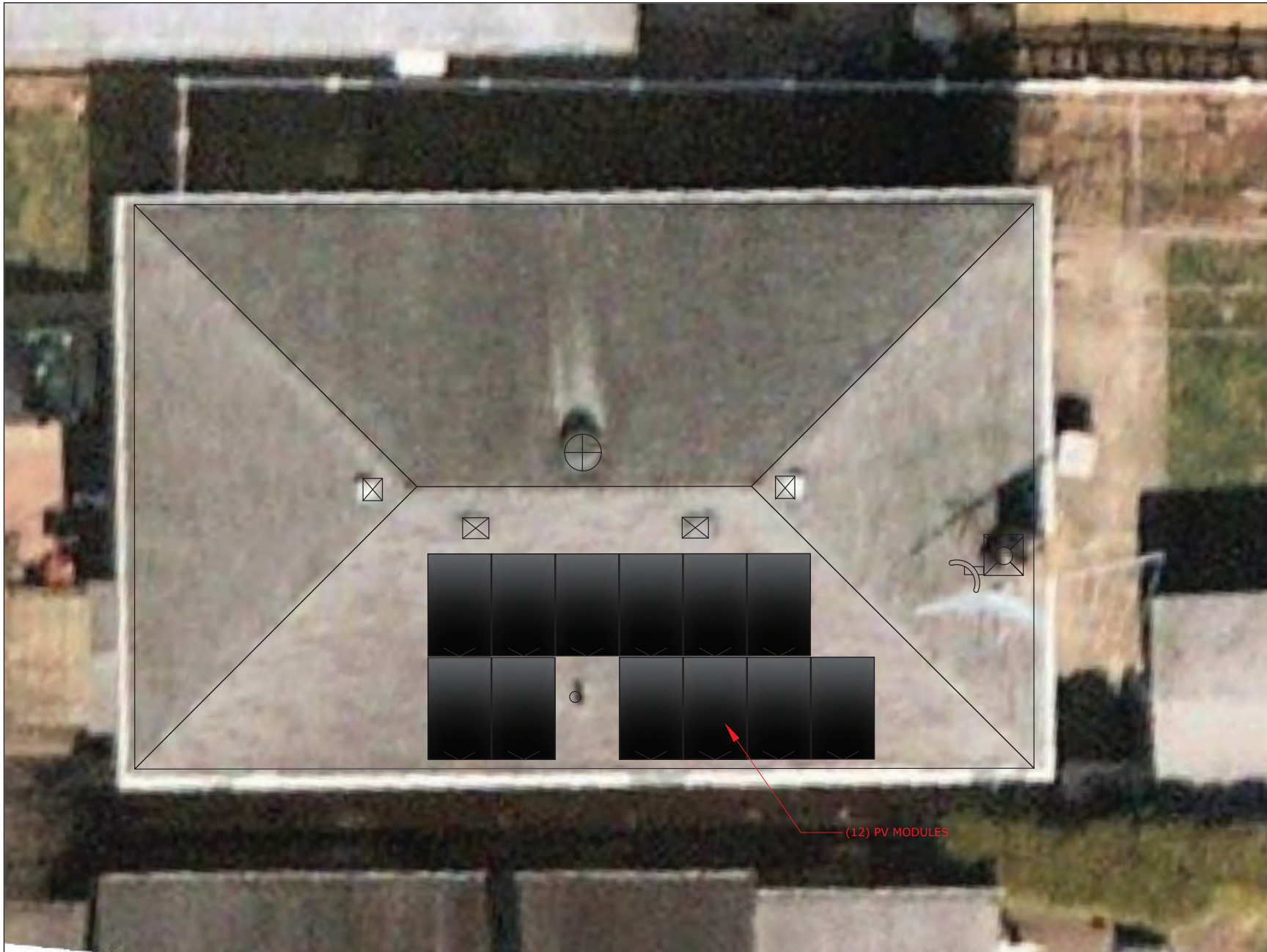
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 (SAFE HARBOR MODULES: 0)
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 Q8HC-72-M-DOM-US

PROJECT INFORMATION

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REV:	DATE:	DESIGNER:

SUPERIMPOSED PHOTO

PV-8



PRO CUSTOM SOLAR LLC D.B.A. MOMENTUM SOLAR
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PROFESSIONAL ENGINEERING



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 Q8HC-72-M-DOM-US

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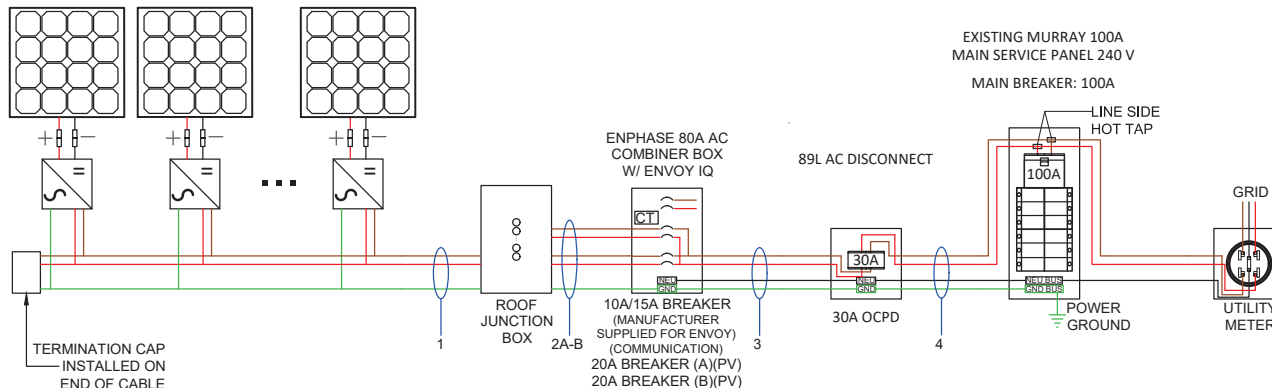
INITIAL	DATE: 12/18/2024	DESIGNER: SR
REV:	DATE:	DESIGNER:
REV:	DATE:	DESIGNER:

SUPERIMPOSED PANELS

PV-9

12 HANWHA Q.PEAK DUO BLK ML-G10+ 410 410W MODULES PAIRED WITH
12 ENPHASE IQ8HC-72-M-DOM-US MICRO-INVERTERS

BRANCH CIRCUIT A
6 MICRO-INVERTERS
BRANCH CIRCUIT B
6 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 COEFFICIENTS.
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)



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PROFESSIONAL ENGINEERING



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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

THOMAS THOTTAM - MS162530
19 DEPAN AVE
FLORAL PARK, NY 11001
5167244634

JURISDICTION: NASSAU
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UTILITY ACCT #:
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SAFE HARBOR MODULES: 0)
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PROJECT INFORMATION

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ELECTRICAL

PV-10


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	6	1.58	1.25	11.85	12 AWG	Trunk Cable
2A	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	6	1.58	1.25	11.85	08 AWG	THWN-2
2B	3/4" PVC	2	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	6	1.58	1.25	11.85	08 AWG	THWN-2
3	3/4" PVC	3	10 AWG	THWN-2	75°C	35	0.96	1	33.60	12	1.58	1.25	23.70	08 AWG	THWN-2
4	3/4" PVC	3	06 AWG	THWN-2	75°C	65	0.96	1	62.40	12	1.58	1.25	23.70	08 AWG	THWN-2

TAG	LABEL	QUANTITY	LOCATION	NOTE		
(A)	CAUTION: AC SOLAR VOLTAGE	12	AC CONDUITS	1 AT EVERY SEPARATION BY ENCLOSURES / WALLS / PARTITIONS / CEILINGS / FLOORS OR NO MORE THAN 10'		
(B)	I WARNING PHOTOVOLTAIC POWER SOURCE	1	COMBINER BOX	1 AT ANY COMBINER BOX		
(C)	WARNING ELECTRICAL SHOCK HAZARD TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION	1	JUNCTION BOX	1 AT ANY JUNCTION BOX		
(D)	<p>PV SYSTEM AC DISCONNECT RATED AC OUTPUT CURRENT A NOMINAL OPERATING AC VOLTAGE 240 V</p> <p>CAUTION POWER TO THIS SERVICE IS ALSO SUPPLIED FROM ON-SITE SOLAR GENERATION</p> <p>AC SYSTEM DISCONNECT</p> <p>WARNING ELECTRICAL SHOCK HAZARD TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION</p> <p>RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM</p>	1	AC DISCONNECT	1 OF EACH AT FUSED AC DISCONNECT COMPLETE VOLTAGE AND CURRENT VALUES ON DISCONNECT LABEL		
(E)			PV METER	1	PV METER SOCKET	1 AT PV METER SOCKET AND ONE DIRECTORY PLACARD
(F)	WARNING DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM	1	UTILITY METER	1	UTILITY METER	1 AT UTILITY METER AND ONE DIRECTORY PLACARD
(G)	<p>SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN</p> <p>TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUTDOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY</p> <p>WARNING DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM</p> <p>WARNING: INVERTER OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE</p>	1	INTERCONNECTION POINT	1 OF EACH AT BUILDING INTERCONNECTION POINT AND ONE DIRECTORY PLACARD		
(H)	NOMINAL OPERATING AC VOLTAGE : 240V NOMINAL OPERATING AC FREQUENCY : 60HZ MAXIMUM AC POWER : 230VA MAXIMUM AC CURRENT : A MAXIMUM OVERCURRENT DEVICE RATING FOR AC MODULE PROTECTION : 20A	1	AC CURRENT PV MODULES			


EXAMPLES




(A)




(B)




(C)




(D)



(E)




(F) BACKFEED



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PROFESSIONAL ENGINEERING



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EQUIPMENT LABELS

PV-11

Q.PEAK DUO BLK ML-G10+ SERIES



385 - 410 Wp | 132 Cells
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+



Breaking the 20% efficiency barrier

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



A reliable investment

Inclusive 25-year product warranty and 25-year linear performance warranty¹.



Enduring high performance

Long-term yield security with Anti LeTID Technology, Anti PID Technology² and Hot-Spot Protect.



Extreme weather rating

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



Innovative all-weather technology

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



The most thorough testing programme in the industry

Qcells 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.

¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015, method A (-1500 V, 96 h)

The ideal solution for:



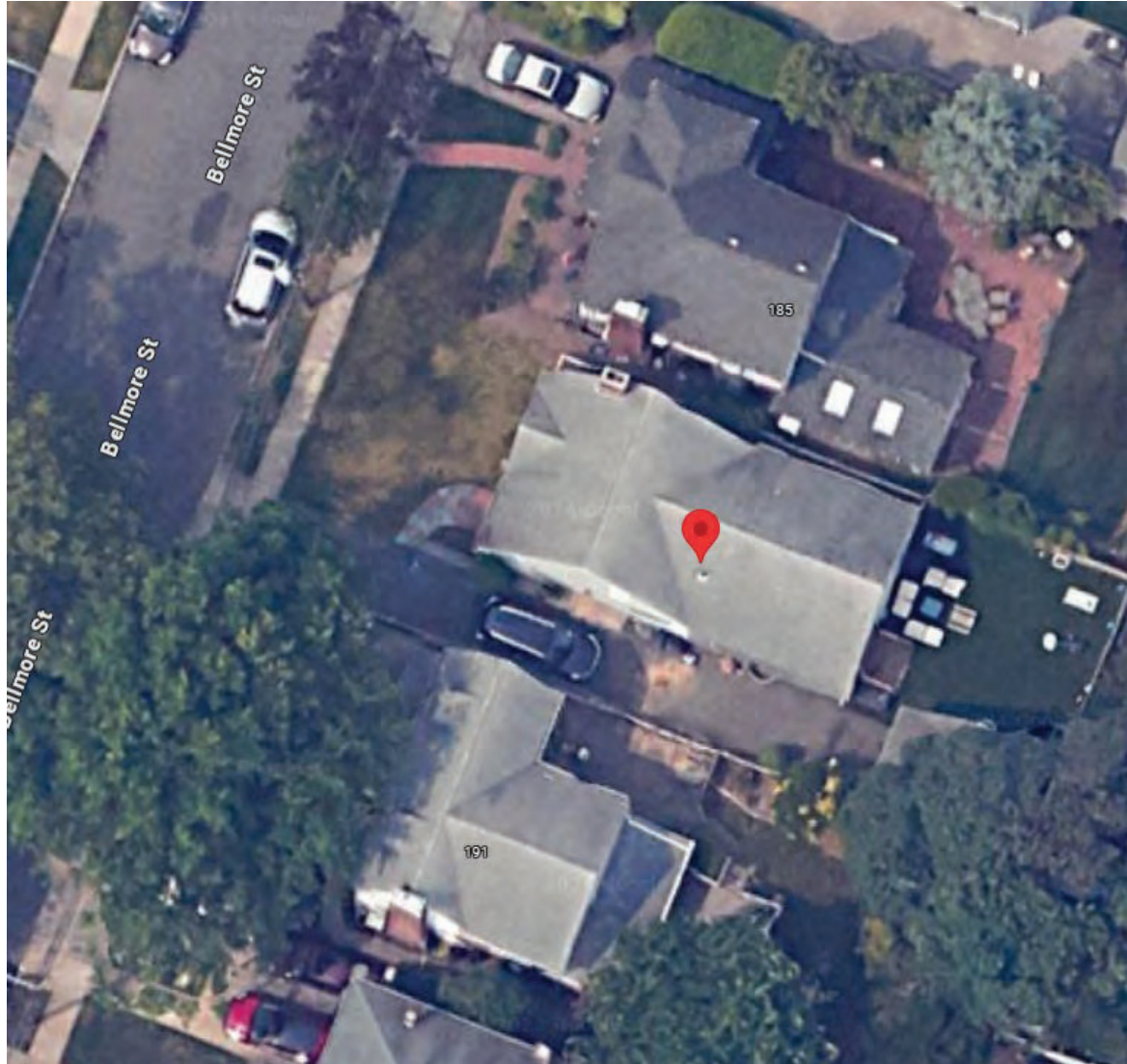
Rooftop arrays on residential buildings



Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
4	8:30 p.m.	189	Bellmore Street	Second Story Addition and Portico	Jason & Cynthia Urbanski	Christopher Dowdell



189 Bellmore Street (Aerial View)



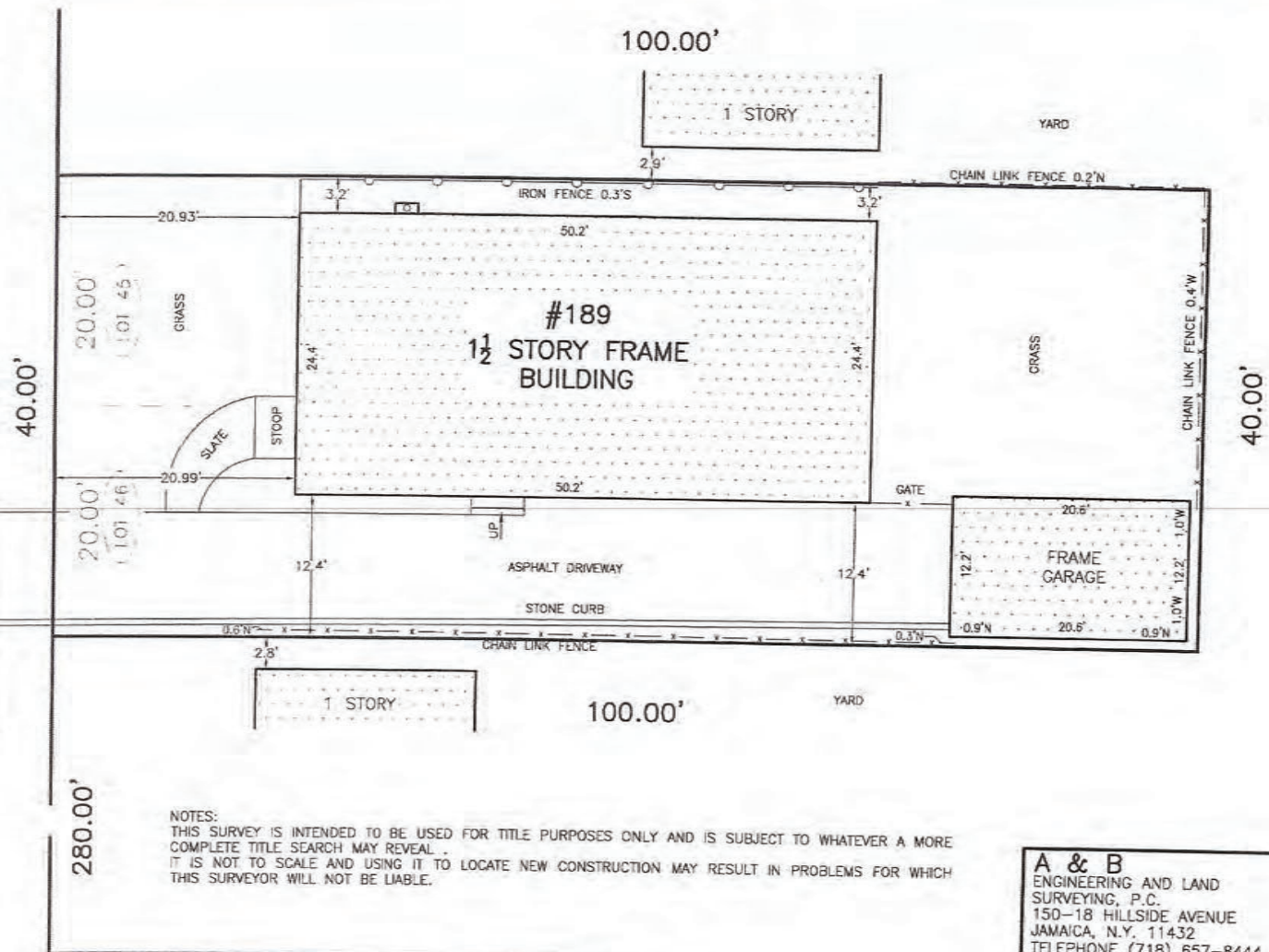
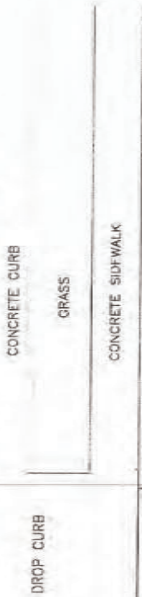








BELMONT STREET



SCALE 1" = 10'

NOTES:
 THIS SURVEY IS INTENDED TO BE USED FOR TITLE PURPOSES ONLY AND IS SUBJECT TO WHATEVER A MORE COMPLETE TITLE SEARCH MAY REVEAL.
 IT IS NOT TO SCALE AND USING IT TO LOCATE NEW CONSTRUCTION MAY RESULT IN PROBLEMS FOR WHICH THIS SURVEYOR WILL NOT BE LIABLE.

MILLER AVENUE

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 ENGINEERING AND LAND SURVEYING, P.C.
 150-18 HILLSIDE AVENUE
 JAMAICA, N.Y. 11432
 TELEPHONE (718) 657-8444
 FAX (718) 657-8555
 EMAIL ABLANDSURVEY@GMAIL.COM
SURVEY No.8253
 TOWN OF HEMPSTEAD
 COUNTY OF NASSAU
 STATE OF NEW YORK
 TAX MAP FILED MAP
 SECTION 32 SECTION
 BLOCK 213 BLOCK
 LOT 45 LOT

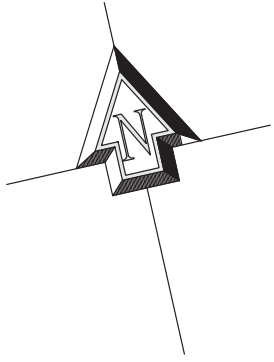
DATE: APRIL 20th, 2021

Paul Barylski

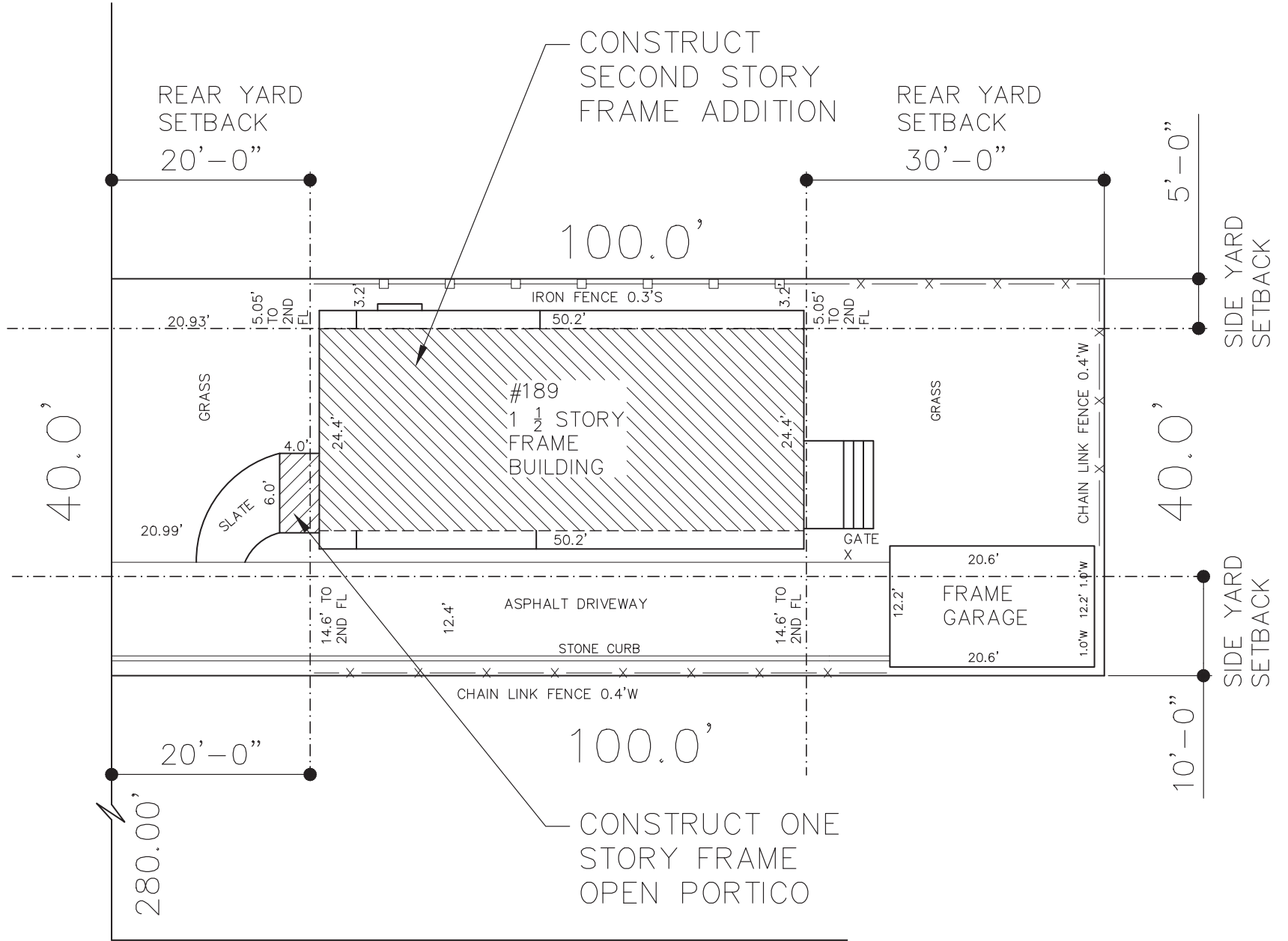
DAVID D. ARABI, P.E.
 NEW YORK LICENSE 06735-1

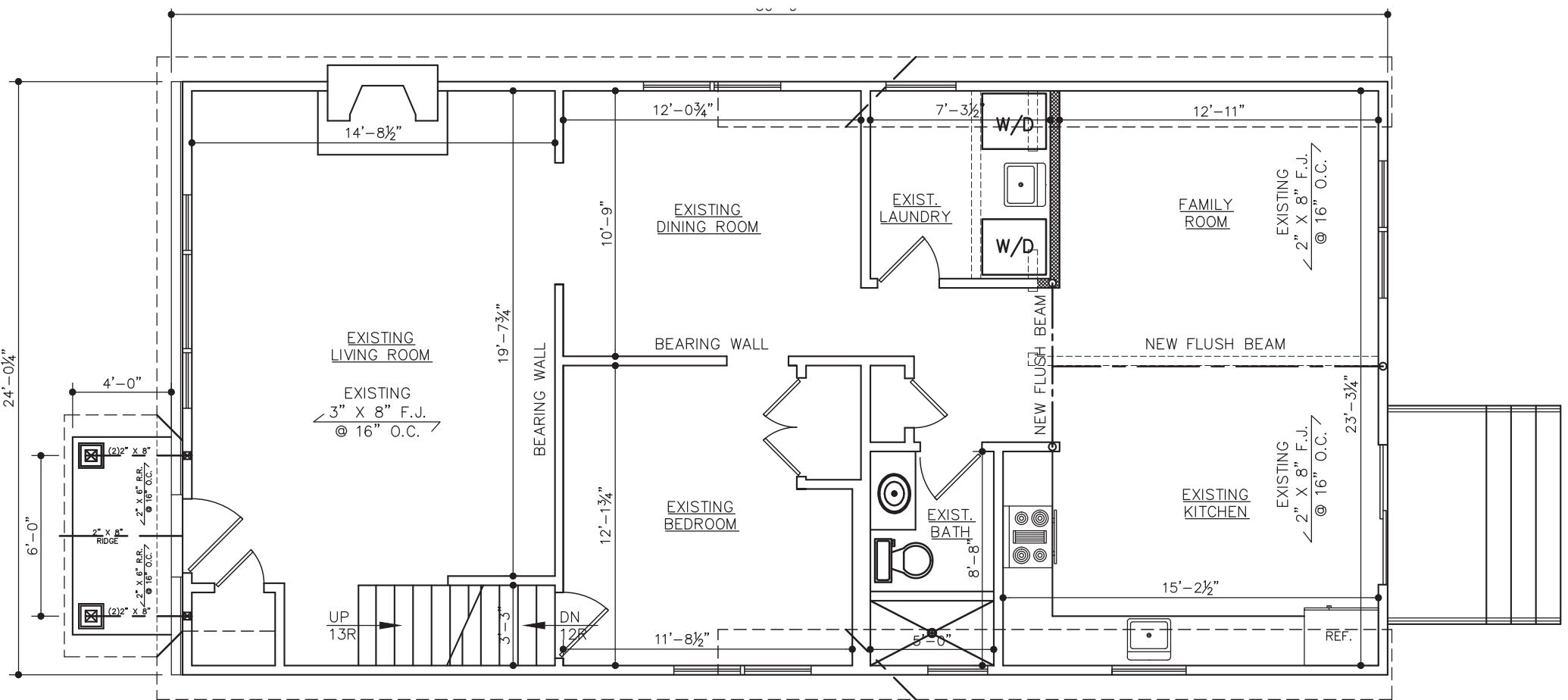
PAUL BARYLSKI, L.S.
 NEW YORK LICENSE 050782

TITLE No. CERTIFIED TO:



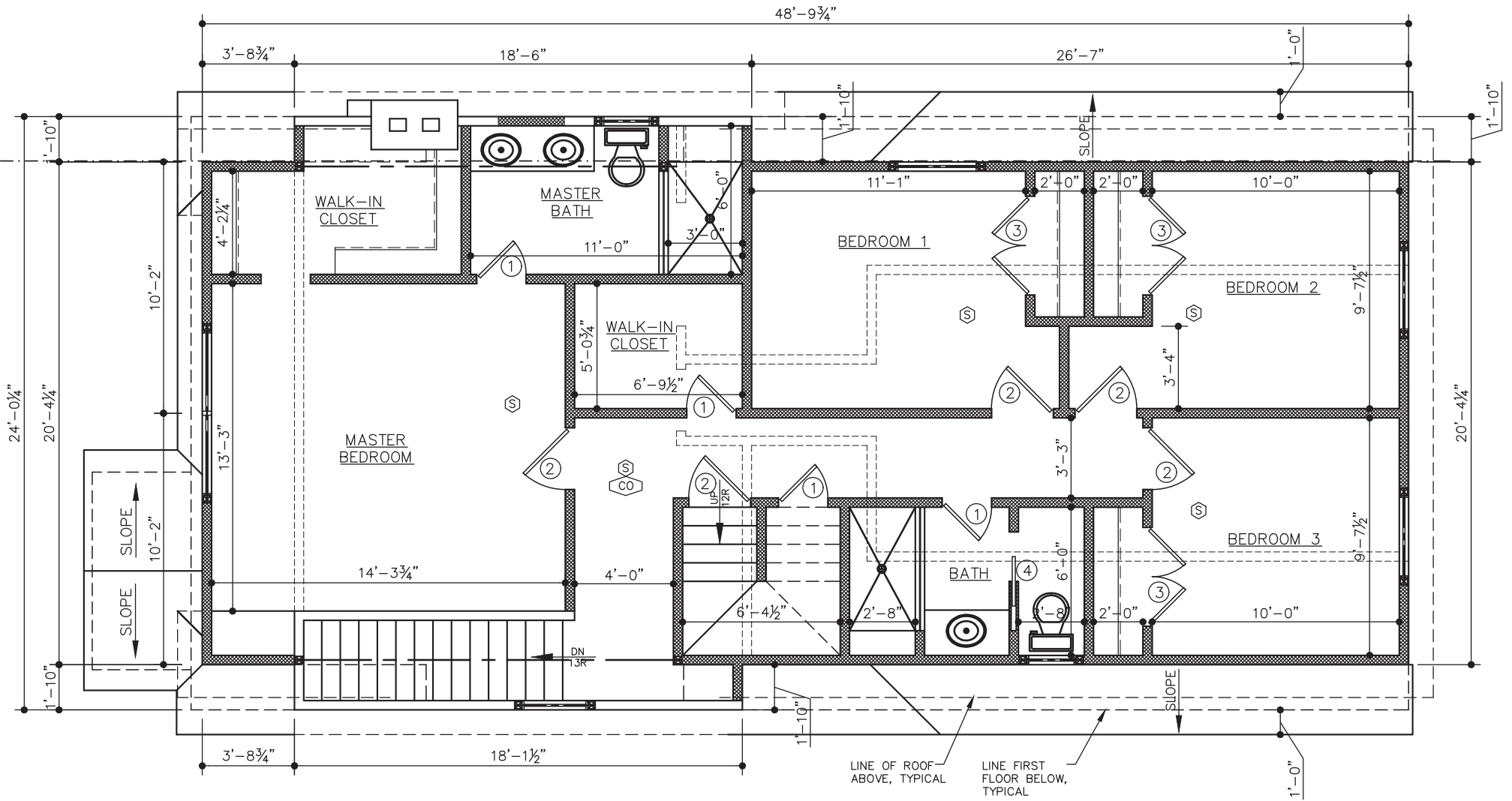
BELLMORE STREET





FIRST FLOOR PLAN

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

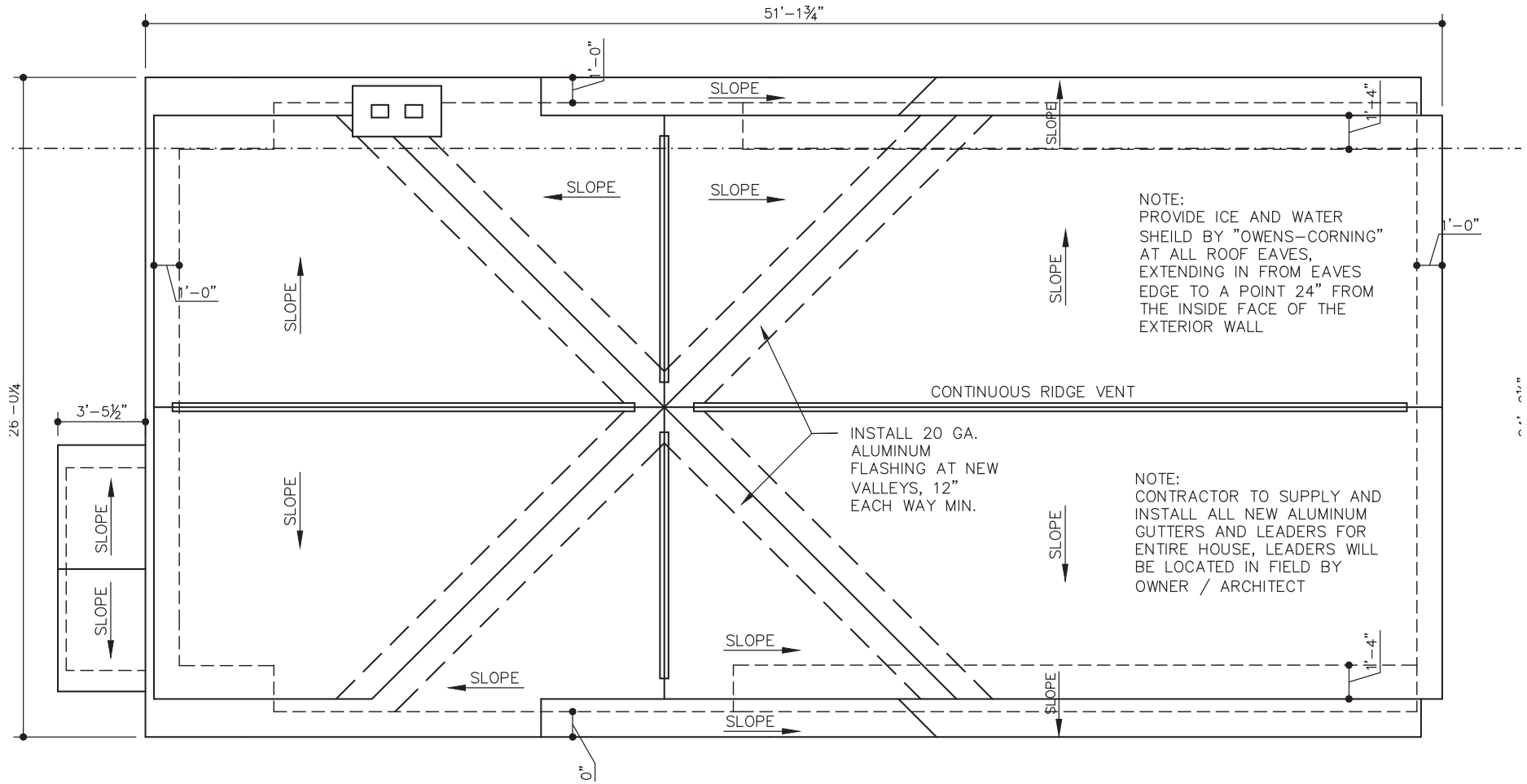


SECOND FLOOR PLAN

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

WALL SCHEDULE	
	EXISTING

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

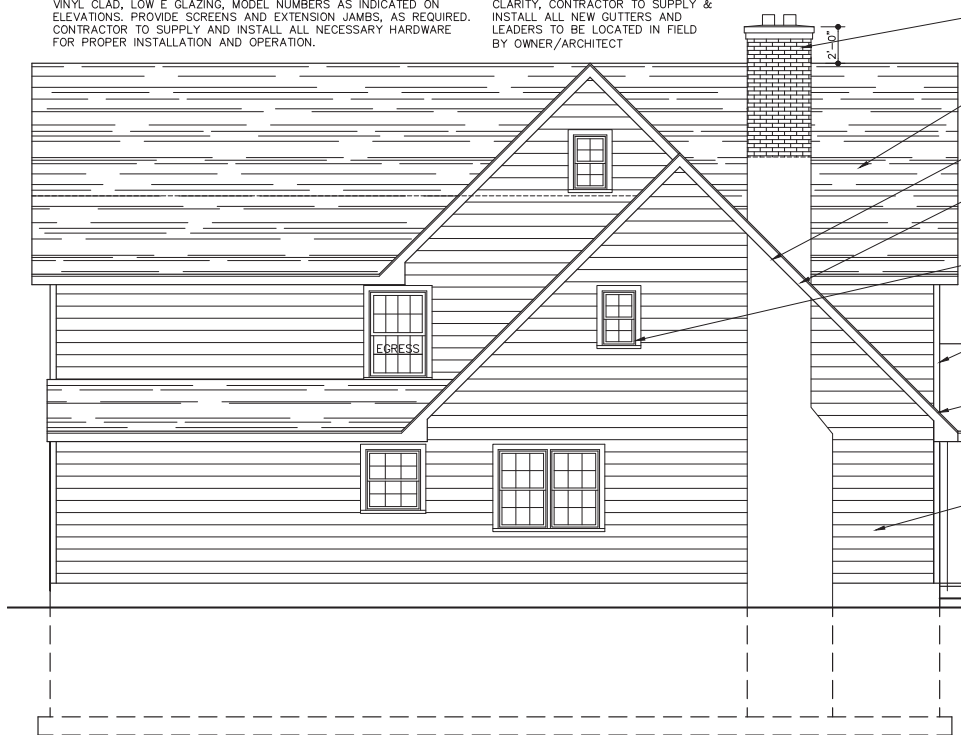


ROOF PLAN

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

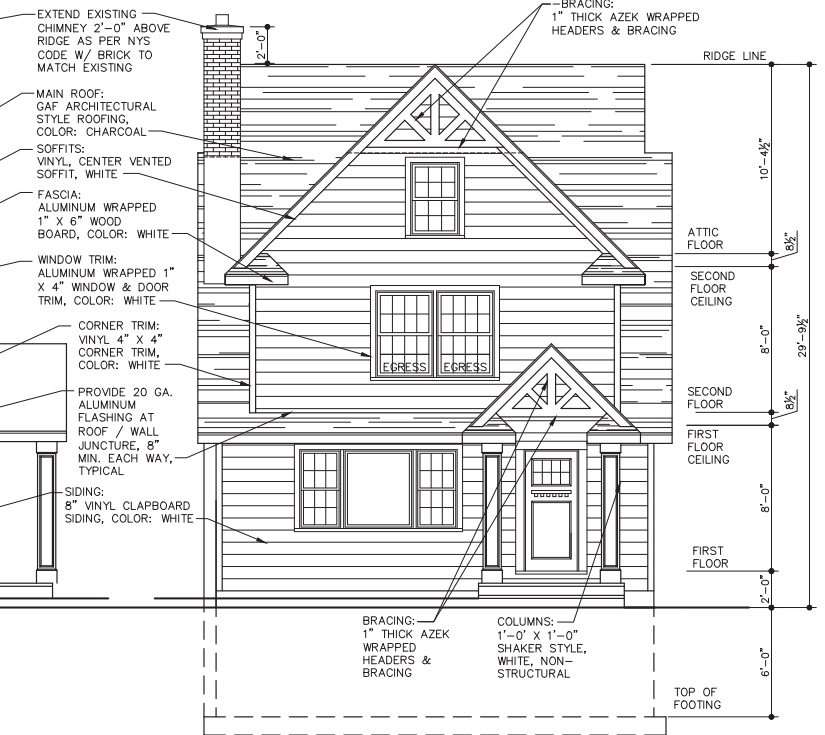
WINDOW NOTE:
 ALL NEW WINDOWS TO BE BY 'ANDERSEN' OR APPROVED EQUAL, VINYL CLAD, LOW E GLAZING, MODEL NUMBERS AS INDICATED ON ELEVATIONS. PROVIDE SCREENS AND EXTENSION JAMBS, AS REQUIRED. CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY HARDWARE FOR PROPER INSTALLATION AND OPERATION.

GUTTER NOTE:
 LEADERS HAVE BEEN OMITTED FOR CLARITY, CONTRACTOR TO SUPPLY & INSTALL ALL NEW GUTTERS AND LEADERS TO BE LOCATED IN FIELD BY OWNER/ARCHITECT



NORTH ELEVATION

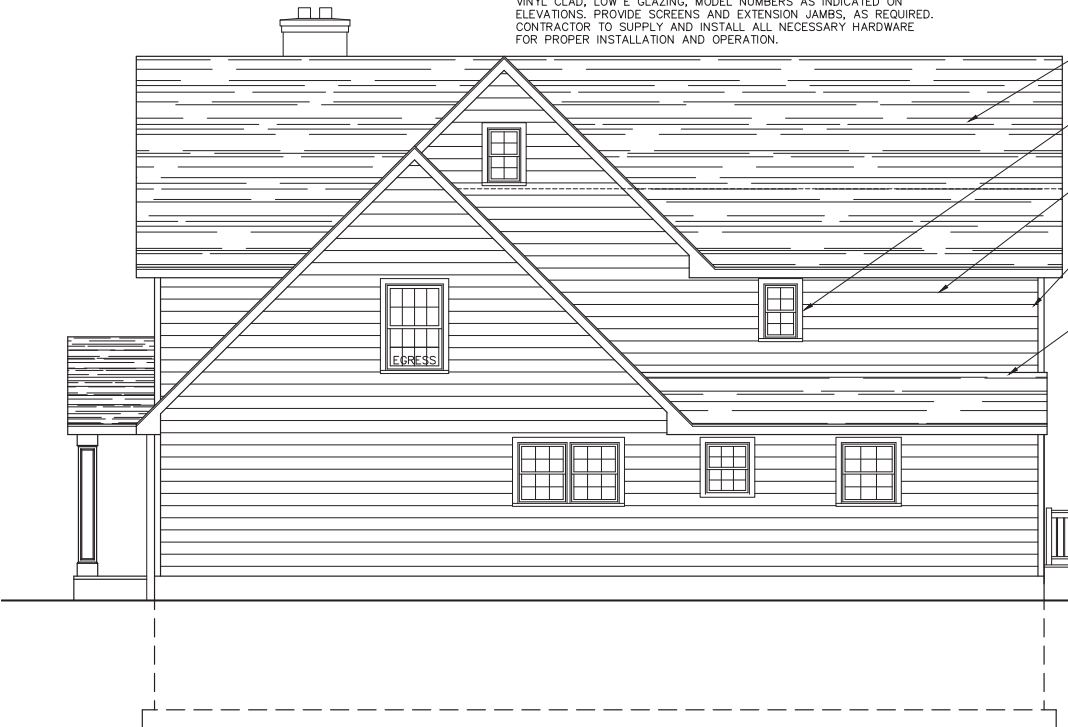
SCALE: 1/4" = 1'-0"



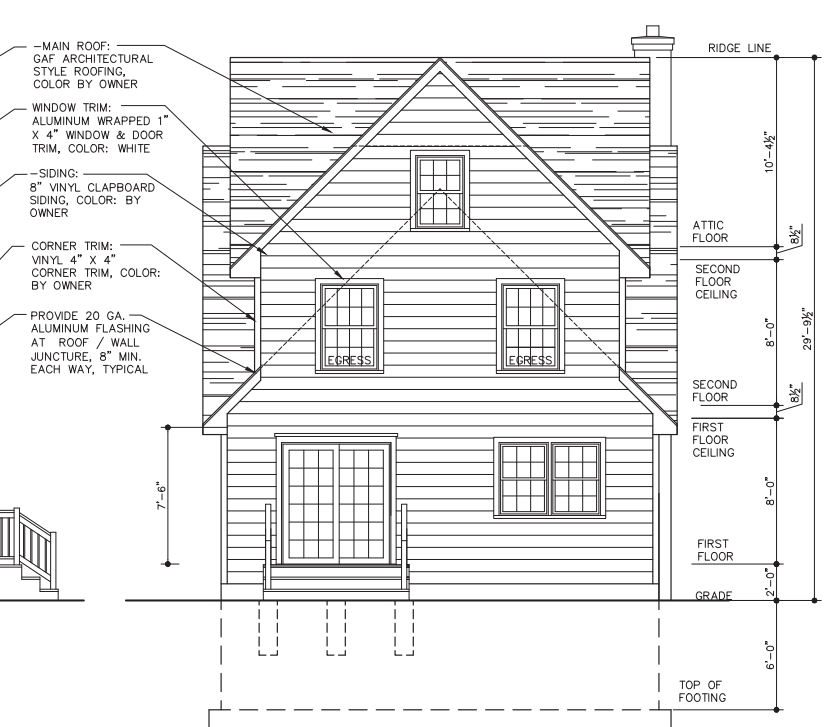
WEST ELEVATION "A"

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

WINDOW NOTE:
 ALL NEW WINDOWS TO BE BY 'ANDERSEN' OR APPROVED EQUAL, VINYL CLAD, LOW E GLAZING, MODEL NUMBERS AS INDICATED ON ELEVATIONS. PROVIDE SCREENS AND EXTENSION JAMBS, AS REQUIRED. CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY HARDWARE FOR PROPER INSTALLATION AND OPERATION.



SOUTH ELEVATION

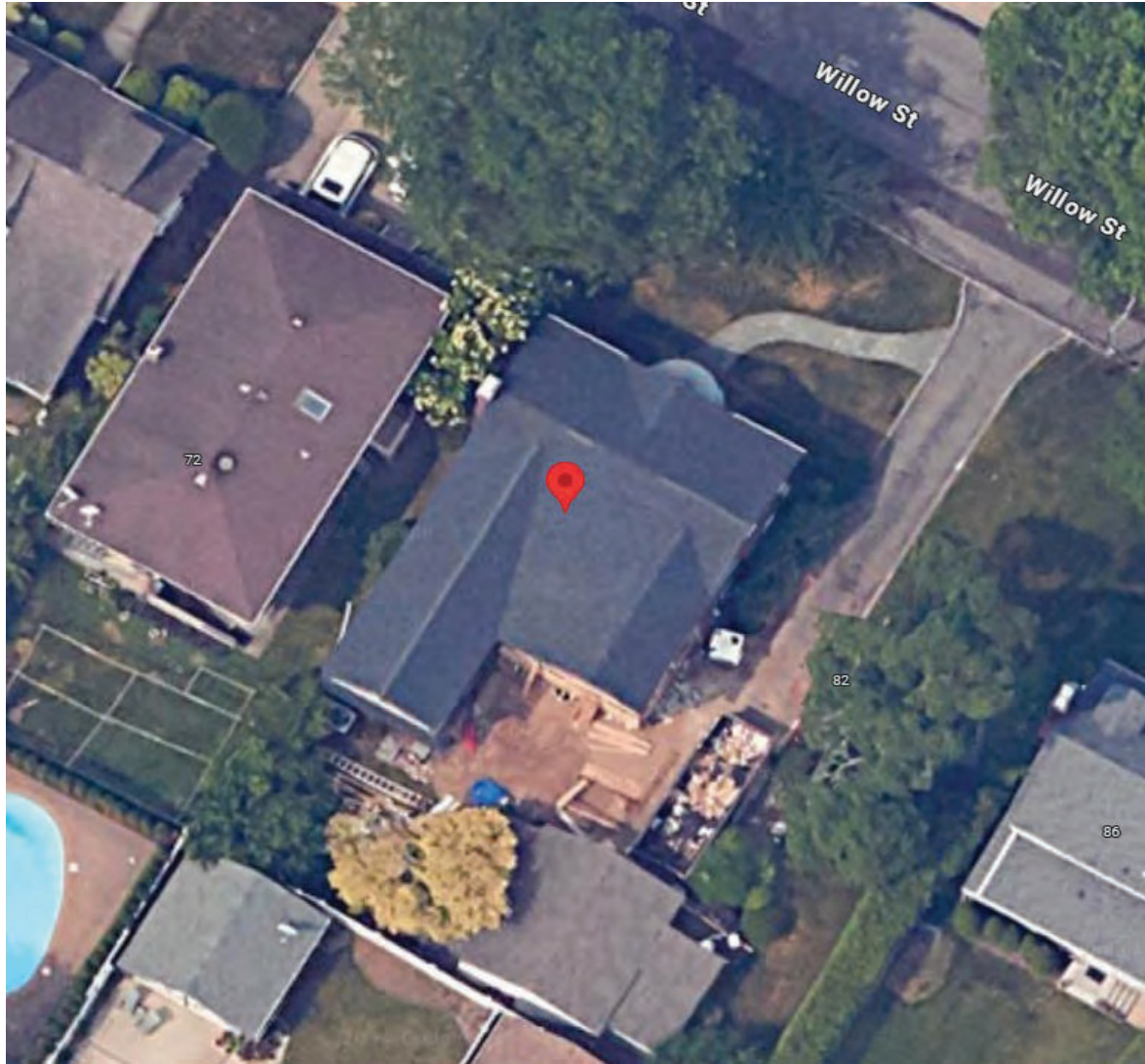


EAST ELEVATION

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
5	8:40 p.m.	80	Willow Street	Two Car Garage and Mud Room Addition	Laura Pape	Demetris Demetriou



80 Willow Street (Aerial View)





FRONT VIEW



LEFT SIDE VIEW

LOCATION AREA OF
PROPOSED ADDITION

80 WILLOW STREET



LEFT & REAR VIEW



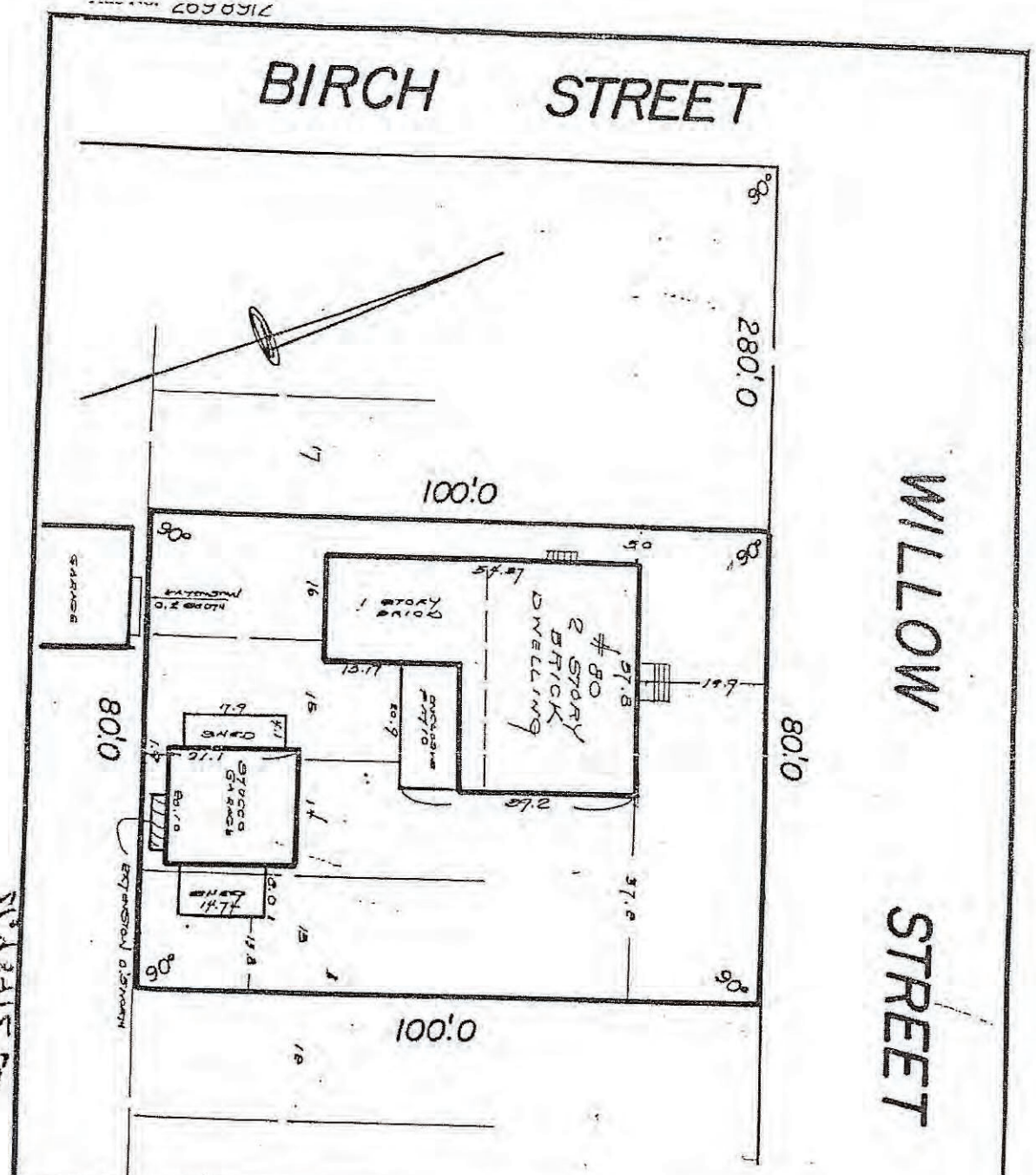
REAR VIEW

LOCATION AREA OF
PROPOSED ADDITION

80 WILLOW STREET



80 WILLOW STREET & ADJACENT NEIGHBORS



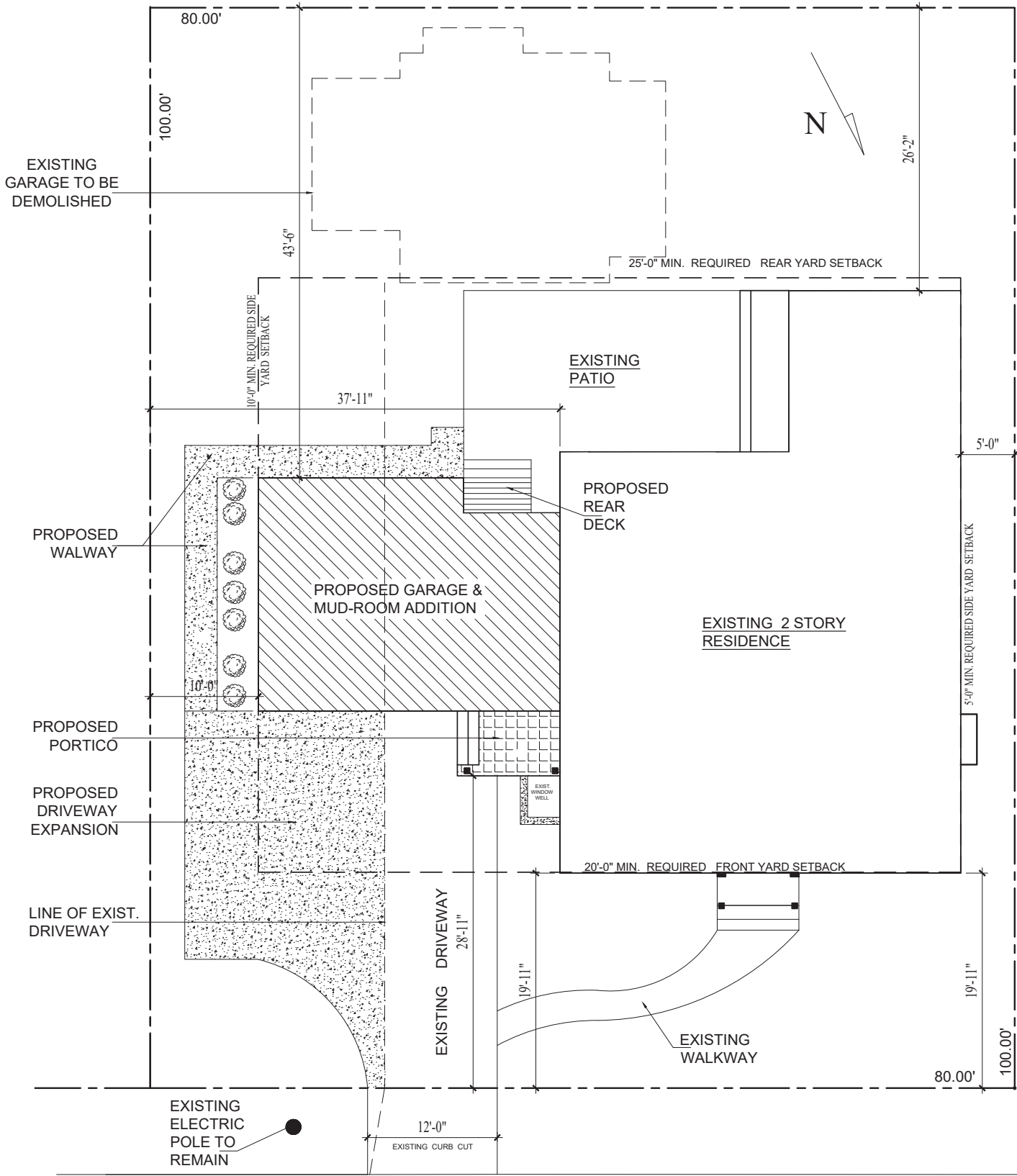
P. O. BOX 146 OLD WESTBURY N.Y. 11568 516-626-9580	<i>Robert Friedel</i> LAND SURVEYOR LIC. NO. 30200	2111 MOTT AVE. FAR ROCKAWAY N.Y. 11691 212-327-0027
---	--	--

Lot. 13, 14, 15, 16
 Block. 28
 Map of. PROPERTY AT FLORAL PARK
 Location. FLORAL PARK NASSAU COUNTY NEW YORK
 Guaranteed to. THE TITLE GUARANTEE CO.
METROPOLITAN SAVINGS BANK
 Date. 1-31-77

R. Friedel

HOWARD BUTTON CO., N. Y. C.

FIRST AMERICAN TITLE INSURANCE
 COMPANY OF NEW YORK
 TITLE # 122-N-8784



WILLOW AVENUE

SITE PLAN

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

SITE PLAN INFORMATION TAKEN FROM SURVEY DRAWN
 by LIC. SURVEYOR ROBERT FRIEDEL, DATED: 1-31-1977

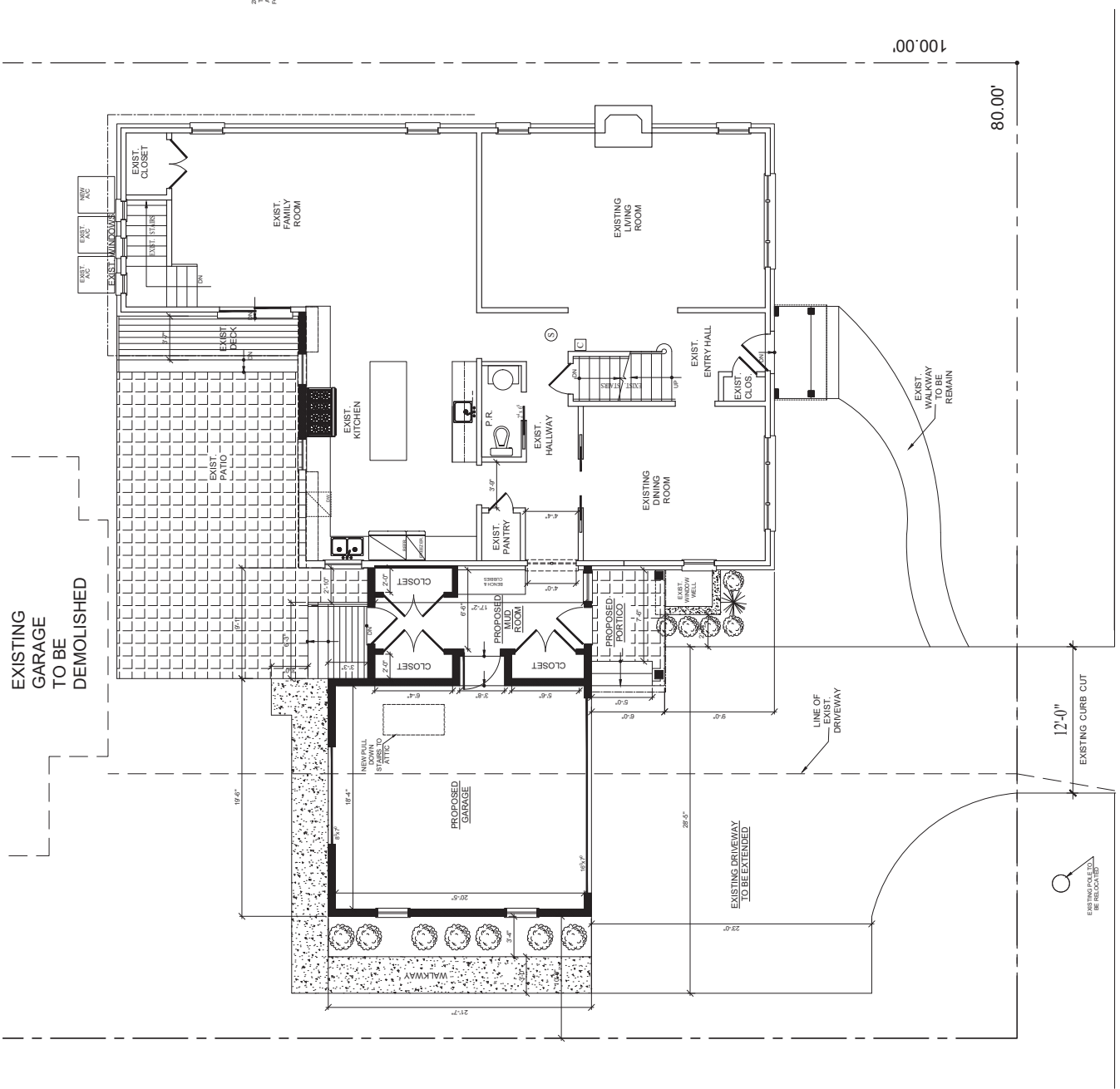
80 WILLOW STREET, FLORAL PARK, NY 11001
 PAPE RESIDENCE
 ATTACHED GARAGE &
 MUD ROOM ADDITION
 SECTION 32, BLOCK 510, LOT 113, ZONE R-1

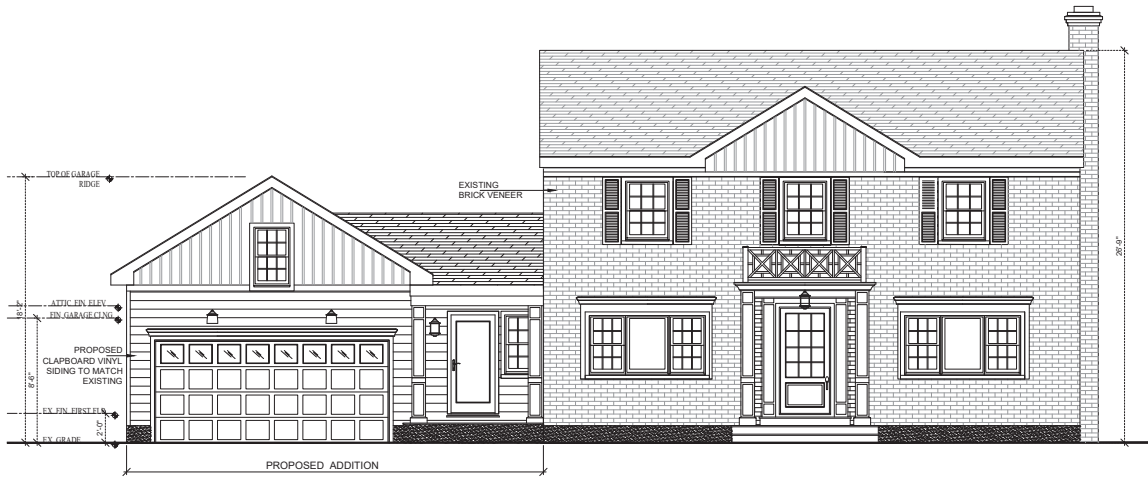
DEMETRIS DEMETRIOU R.A.
 5 GERANUM AVE., FLORAL PARK, NY 11001
 914.671.9907
 demetrarchitect@gmail.com



NEMERJ DESIGN GROUP
 Consulting Structural Engineers
 nemerjdesign@comcast.net

DATE	REMARKS

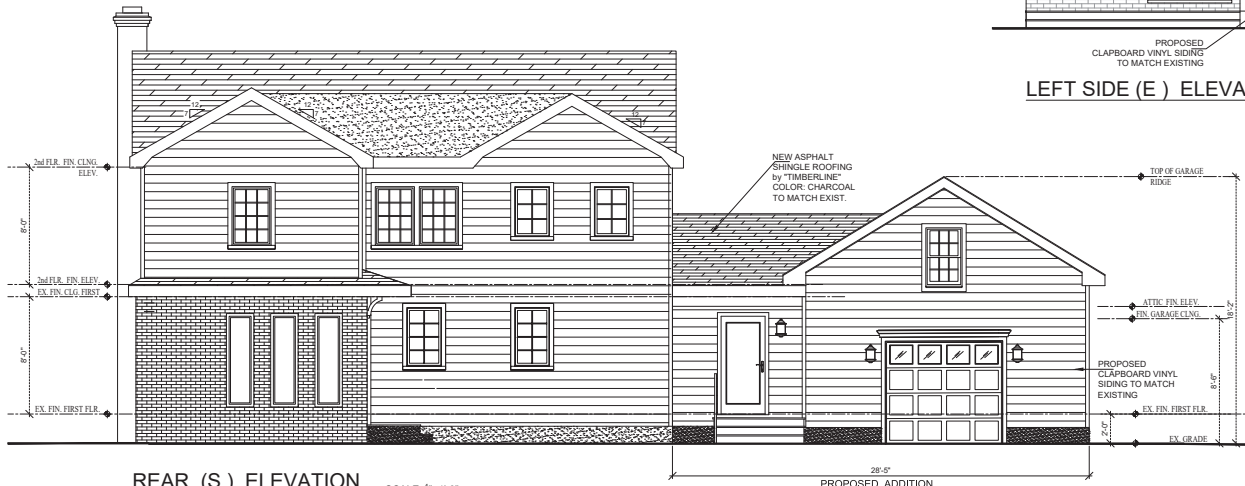




FRONT (N) ELEVATION SCALE: $\frac{1}{4}''=1'-0''$



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



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

DATE	REMARKS

NEMERU DESIGN GROUP
 Consulting Structural Engineers
 nemerugroup.com/usa



DEMETRIS DEMETRIOU R.A.
 5 GERARDUM AVE., FLORAL PARK, NY 11001
 914.671.9907
 ddemarchitect@gmail.com

PAPE RESIDENCE
 80 WILLOW STREET., FLORAL PARK, NY 11001
 ATTACHED GARAGE &
 MUD ROOM ADDITION
 SECTION 32, BLOCK 510, LOT 113, ZONE R-1

DATE: 01-03-2025
A-3



WINDOWS : VINYL CLAD- WOOD
DOUBLE GLAZED, LOW "E"
BY "ANDERSEN" or equal
COLOR:WHITE



ROOFING : "TIMBELINE 20-YEAR
color: CHARCOAL OR EQUAL



VINYL SIDING
color: ANTIQUE PARCHMENT
by " ALSIDE" or equal



FASCIA, TRIM, & POSTS
by "AZEK" or equal



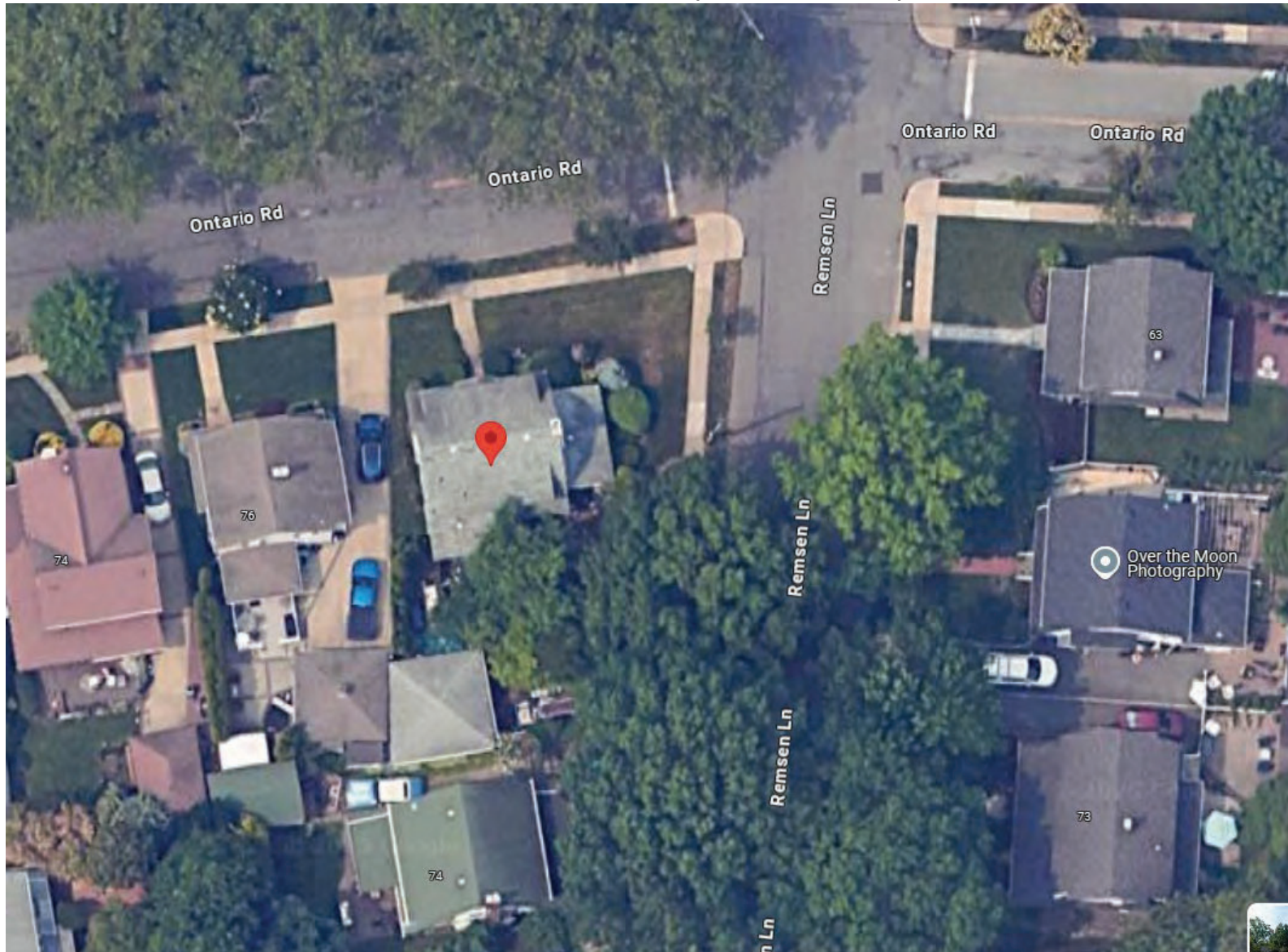
Exterior MATERIAL

80 WILLOW STREET

Case No.	Approximate Time	Address #	Street	Description	Owner	Design Professional
6	8:50 p.m.	78	Ontario Road	Addition		Demetris Demetriou



78 Ontario Road (Aerial View)



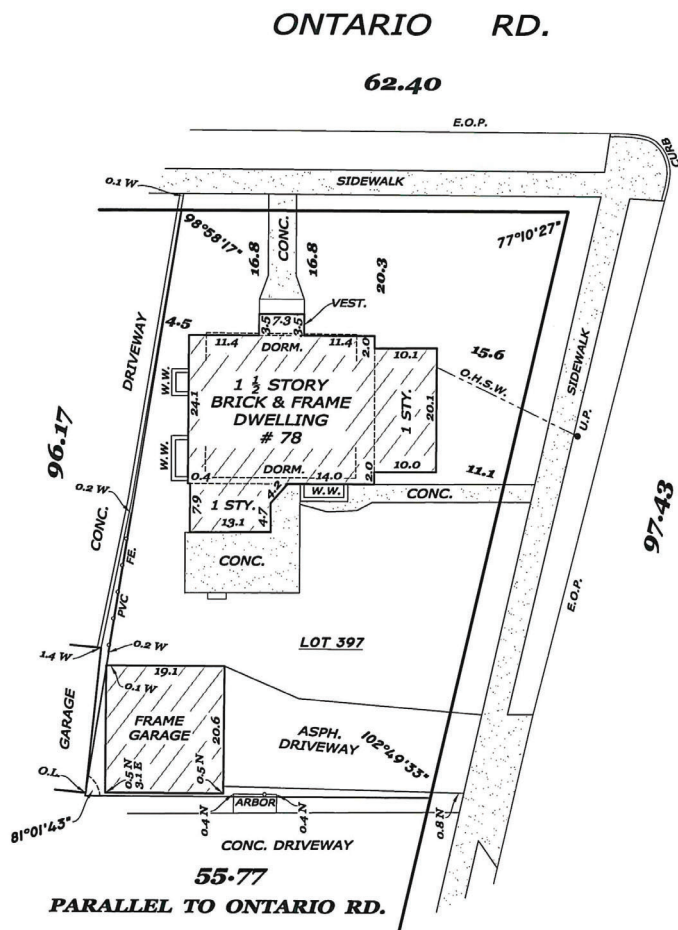
LEGEND

- FENCE
- SHRUBS/HEDGES
- O.H.S.W. OVER HEAD SERVICE WIRES
- O.L. ON-LINE

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SEC. 7209 OF THE N.Y.S. EDUCATIONAL LAW. COPIES OF THIS SURVEY NOT BEARING THE SURVEYOR'S INKED OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. OFFSETS OF BUILDINGS AND OTHER POSSESSIONS ARE NOT TO BE USED FOR CONSTRUCTION OR DESIGN PURPOSES. SUBSURFACE CONDITIONS ARE NOT SHOWN. EASEMENTS & RIGHT OF WAY OF RECORD IF ANY, NOT SHOWN. GUARANTEES INDICATED HEREON ARE NOT TRANSFERABLE.

SURVEY No: 965-A-U

TITLE No:



TAX: SEC: 32

BLOCK: 46

LOT(S): 4

Peter J. Brabazon PLS, P.C.
Professional Land Surveyor

430 West Old Country Rd., Hicksville NY 11801
 Phone: (516) 822-5111 / Fax: (516) 822-4395
 Website: www.BrabazonSurveying.com
 Email: Office@BrabazonSurveying.com



Successor to:

KENNETH S. O'BRIEN - SALVATORE CORNELIUS - PETER & WALTER KEMPA - FREDERICK W. KAHLER - GEORGE H. WALBRIDGE CO. (W. SUEFOLK) - PETER L. FLEIDERER JR. - ARTHUR W. LEACH - H.F. BISHOP - ROBERT D. JONES (NASSAU) - SHAR ASSOCIATES - JULIUS JARGSTORFF - MURRETT H. DELORME - WILLIAM H. SEAMAN - JEFFEREY J. ROBERTSON - H.A. SCHMELAU - IVAN E. ZIPOTT - C.A. MONROE - KAHLER & PYNCHON - SMITH & MALCOMSON - ALBERT L. LOEFFLER - WILLIAM S. ALCH - BIRDSALL JACKSON

SURVEY OF PROPERTY AT: **FLORAL PARK**

MAP: OF BELLEROSE

SECTION: _____ BLOCK: U LOT(S): 397

FILED: 12/24/1910 CASE No. 113

MAP No.: 14 COUNTY OF: NASSAU, N.Y.

GUARANTEED TO:

NOT FOR TITLE PURPOSES

SURVEY DATE: 01/10/2025



FRONT VIEW - ONTARIO ROAD



REMSEN LANE VIEW

78 ONTARIO RD.



RIGHT SIDE VIEW



REAR VIEW

78 ONTARIO RD.



ONTARIO ROAD VIEW

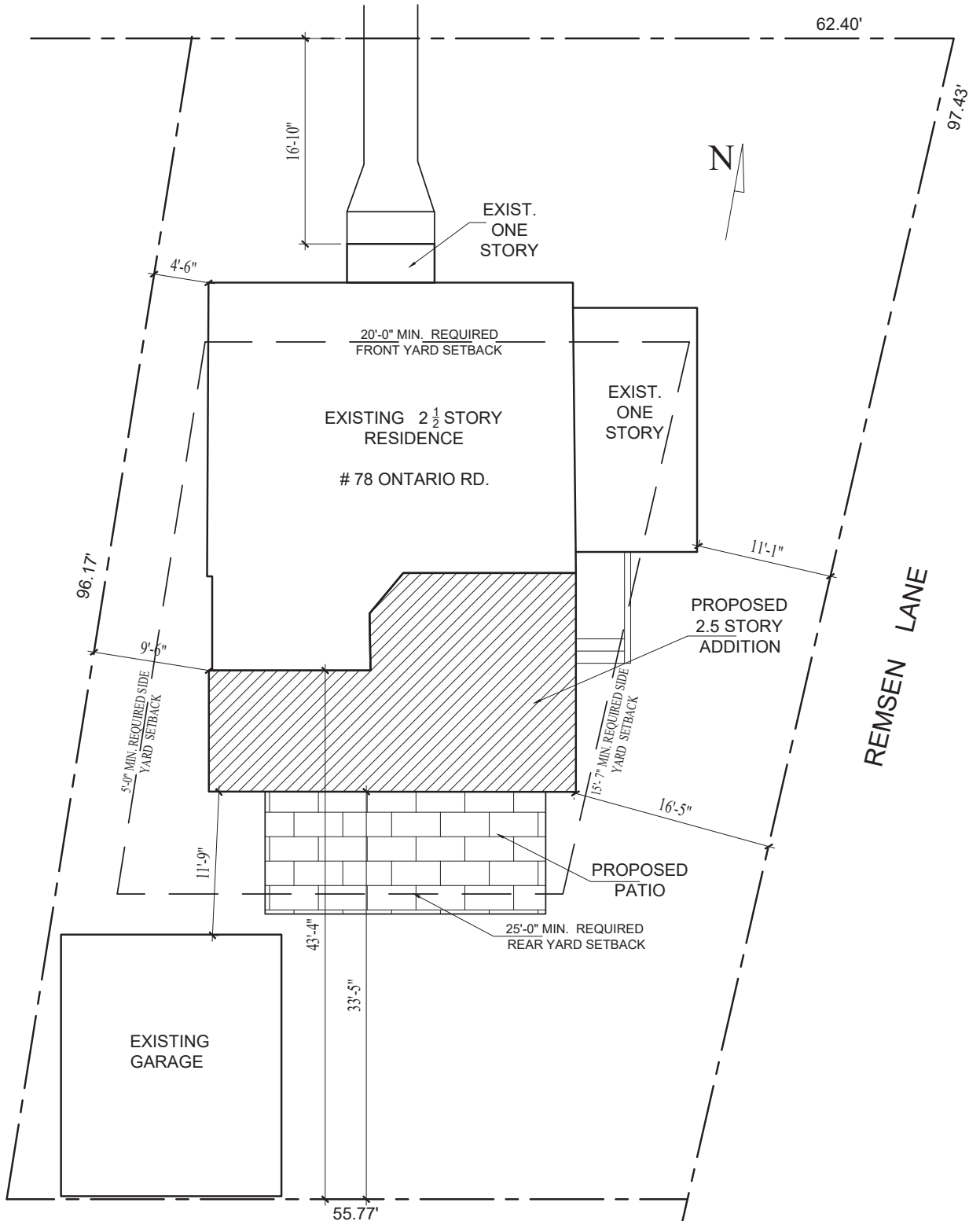


REMSEN LANE VIEW

NEIGHBORS

78 ONTARIO RD.

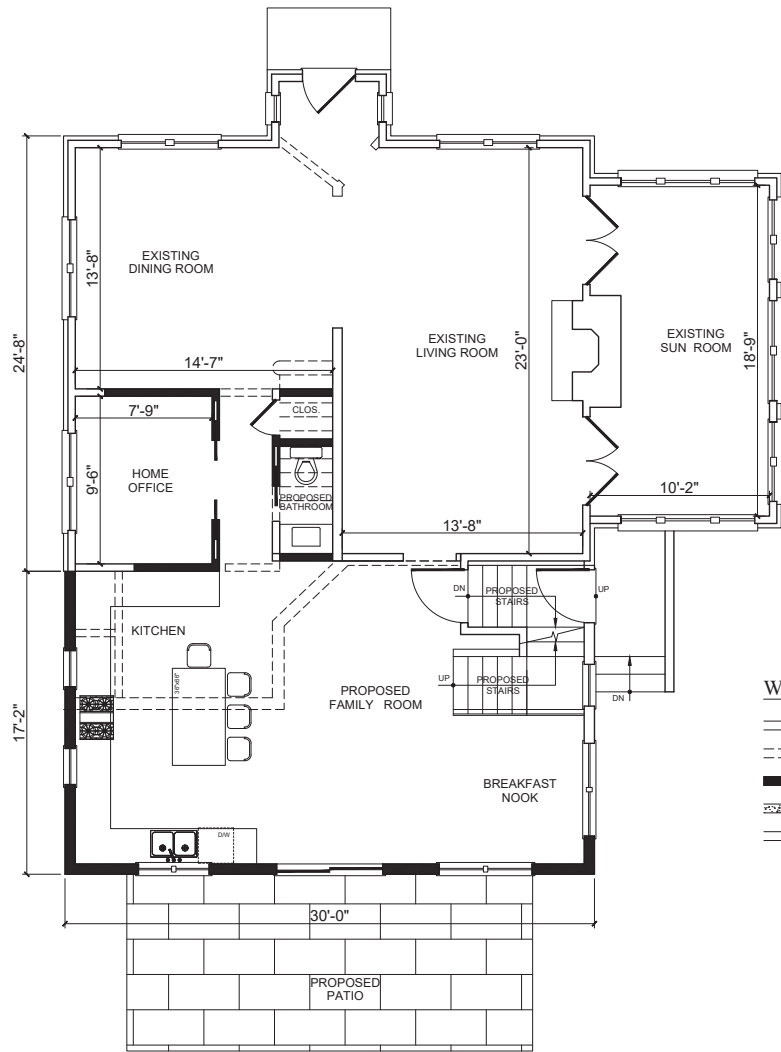
ONTARIO ROAD



SITE PLAN

SCALE: $\frac{1}{8}'' = 1'-0''$






SITE PLAN INFORMATION TAKEN FROM SURVEY
DRAWN by LIC. SURVEYOR PETER J. BRABAZON
DATED: 1-10-2025

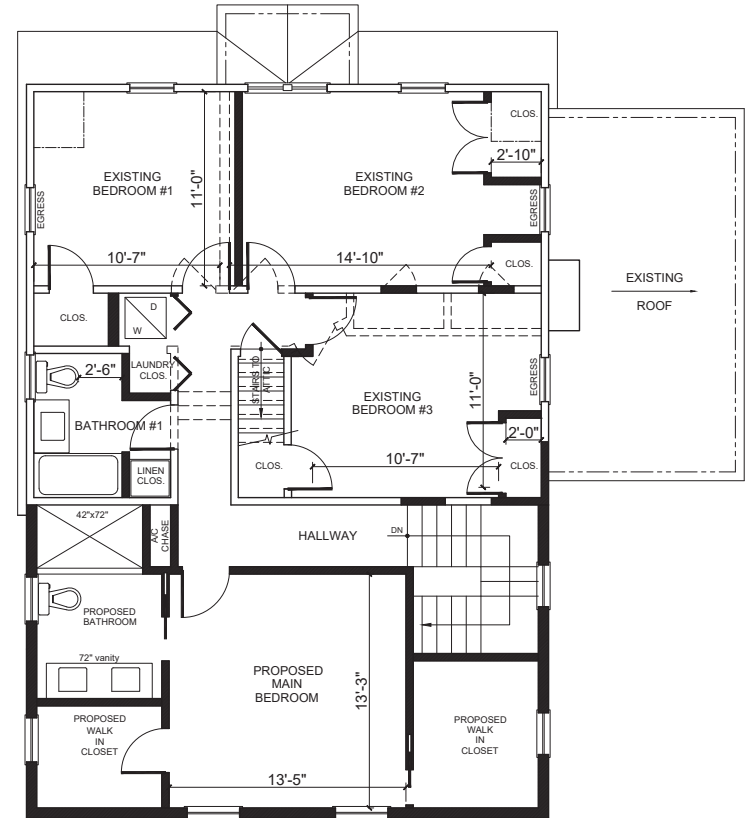


FIRST FLOOR PLAN

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

WALL SCHEDULE

-  EXISTING TO REMAIN
-  EXISTING TO BE DEMOLISHED
-  NEW FRAME WALL
-  NEW FOUNDATION WALL
-  LINES OF STRUCTURE ABOVE



SECOND FLOOR PLAN

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



FRONT (N) ELEVATION

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

NO STRUCTURAL MODIFICATIONS
NEW VINYL SIDING
NEW WINDOWS, IN KIND WITHIN EXIS



RIGHT SIDE (N) ELEVATION

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

NEW ASPHALT SHINGLE ROOFING

NEW VINYL DUTCH LAP SIDING

PROPOSED ADDITION



REAR (S) ELEVATION

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

NEW VINYL DUTCH LAP SIDING

EXISTING BRICK VENEER

PROPOSED ADDITION



LEFT SIDE (E) - REMSEN LANE ELEVATION

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

PROPOSED ADDITION

26'-10"



SLATE COLOR
ARCHITECTURAL SHINGLES by "GAF"



DOUBLE GLASS LOW E,
400 SERIES by "ANDERSEN"
COLOR: WHITE



COLOR: STERLING GRAY
VINYL SIDING by "ALSIDE"

MATERIAL

78 ONTARIO RD.