

3034 CAMERON WAY

SANTA CLARA, CALIFORNIA

ABBREVIATIONS

(E)	EXISTING	H.P.	HEAT PUMP
(N)	NEW	HR.	HORIZONTAL
A.B.	ANCHOR BOLT	INSUL.	INSULATION
A/C	AIR CONDITIONER	INT.	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR	IT.	JOINT
AL.F.G.	ALUMINUM	KIT.	KITCHEN
BD.	BOARD	LAM.	LAMINATE
BLDG.	BUILDING	LIGHT	LIGHT
BLK.	BLOCK	LT.	MAXIMUM
BLKG.	BLOCKING	MAX.	MINIMUM
BM.	BEAM	MISC.	MISCELLANEOUS
BOT.	BOTTOM	N.	NORTH
CAB.	CABINET	#	NUMBER
CLG.	CEILING	N.C.	ON CENTER
CLKG.	CALKING	OPEN.	OPENING
CONC.	CONCRETE	P.	POLE
CONN.	CONNECTION	PL.	PLATE
CONST.	CONSTRUCTION	PL.	PROPERTY LINE
CONT.	CONTINUOUS	P.L.	PLYWOOD
CTR.	CENTER	PTN.	PARTITION
DBL.	DOUBLE	RAD.	RADIUS
DET.	DETAILS	R.D.	ROOF DRAIN
D.F.	DOUGLAS FIR	REF.	REFERENCE
DIA.	DIAMETER	REINF.	REINFORCED
DIM.	DIMENSION	REQ.	REQUIRED
DWN.	DOWN	RM.	ROOM
DR.	DOOR	R.O.	ROUGH OPENING
DS.	DOWNSPOUT	S.	SOUTH
E.	EAST	S.B.	SPLASH BOARD
EAL.	EACH	SCHED.	SCHEDULE
ELEV.	ELEVATION	S.D.	SMOKE DETECTOR
ELECT.	ELECTRICAL	SHT.	SHEET
EMER.	EMERGENCY	SHTG.	SHEETING
ENGR.	ENGINEER	SL.	SILDING
EQ.	EQUAL	SPEC.	SPECIFICATION
EXST.	EXISTING	SQ.	SQUARE
EXT.	EXTERIOR	STD.	STANDARD
F.A.	FIRE ALARM	STRLL.	STRUCTURAL
F.A.U.	FORCED AIR UNIT	TYP.	TYPICAL
F.D.	FLOOR DRAIN	VERT.	VERTICAL
FDN.	FOUNDATION	W.	WEST
F.F.	FINISH FLOOR	W.C.	WATER CLOSET
FIN.	FINISH	WD.	WOOD
FLASH.	FLASHING	W.H.	WATER HEATER
FP.	FIREPROOFING	W x H	WIDTH BY HEIGHT
FT.	FOOT OR FEET	W/O	WITHOUT
FTG.	FOOTING	WP.	WATERPROOF
G.	GAS	W.R.	WATER RESISTANT
GL.	GLASS	WINDW.	WINDOW
GND.	GROUND	WT.	WEIGHT
GYP.	GYPSPUM BOARD		
HDWD.	HARDWOOD		
HDWR.	HARDWARE		
HT.	HEIGHT		

PROJECT DIRECTORY

OWNER YAN HAN
 3034 CAMERON WAY, SANTA CLARA, CA 95051
 408-334-5995, ICEBERG_YAN@YAHOO.COM

DESIGNER LIGENG WANG
 1930 MIRAMONTE AVE, LOS ALTOS CA 94024
 408-425-7988, LIGENGWANG@YAHOO.COM

GEOTEENICAL ENGINEER

STRUCTURAL ENGINEER

ENERGY CONSULTANT

SOLAR PV DESIGNER

PROJECT INFORMATION

SCOPE OF WORK
 1. TO DEMOLISH EXISTING ONE-STORY SINGLE FAMILY HOUSE, AND BUILD NEW TWO-STORY SINGLE FAMILY HOUSE, WITH 4 BEDROOMS, 3-1/2 BATHROOMS, AND 2-CAR GARAGE.
 2. TO INSTALL NEW 200A SERVICE PANEL WITH MAIN SHUTOFF.
 3. TO INSTALL NEW SOLAR SYSTEM.

ZONING INFORMATION
 ZONING: R 1
 FLOOD ZONE: A
 GROUP OF OCCUPANCY: R -3 & U
 TYPE OF CONSTRUCTION: V-B, FIRE SPRINKLER (SEPARATE, DEFERRED)
 APN: 296-36-054
 LOT SIZE: 5,300 SF
 LAND USE DESIGNATION: LOW DENSITY RESIDENTIAL
 HISTORIC SITE: NO

	EXISTING	PROPOSED
DWELLING UNIT:	1	1
NUMBER OF STORIES:	1	2
TOTAL BEDROOMS:	3	4
TOTAL BATHROOMS:	2	3.5
TOTAL PARKING SPACE:	2, COVERED	2, COVERED

CODE REQUIREMENTS

2022 CALIFORNIA BUILDING CODE
 2022 CALIFORNIA RESIDENTIAL CODE
 2022 CALIFORNIA ELECTRICAL CODE
 2022 CALIFORNIA PLUMBING CODE
 2022 CALIFORNIA MECHANICAL CODE
 2022 CALIFORNIA FIRE CODE
 2022 CALIFORNIA ENERGY CODE
 2022 CALIFORNIA GREEN BUILDING STANDARD CODE
 CITY OF SANTA CLARA MUNICIPAL CODE

PROJECT DATA

NET LOT AREA	5,300 SF					
LOT COVERAGE, FAR, AND LIVING AREA CALCULATION						
	EXISTING	FAR	PROPOSED	LOT COVERAGE	FAR	LIVING AREA
MAIL DWELLING 1ST FLOOR	1340	1240		1341	1341	1341
MAIL DWELLING 2ND FLOOR	0			934	1341	934
GARAGE AREA	462	462		504	504	504
COVERED FRONT PORCH	0			82	82	
TOTAL AREA	1702	1702		2861	1927	1845
PERCENTAGE				32.1%	36.4%	34.8%

2ND FLOOR PERCENTAGE CALCULATION:
 PROPOSED 1ST FLOOR AREA: 1341 + 504 = 1845 SF, PROPOSED 2ND FLOOR 934 SF, 934 / 1845 = 50.6% < 60%, OK

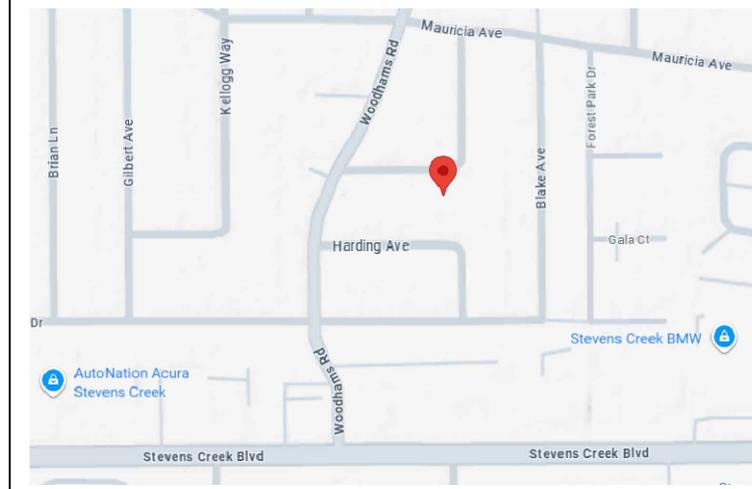
SETBACK (FT)			
	EXISTING	PROPOSED	NOTES
FRONT AT GARAGE	20'-0"	20'-0"	
FRONT AT MAIN HOUSE	45'-4"	40'-0"	
REAR	20'-0"	20'-0"	
LEFT SIDE AT MAIN HOUSE	8'-0"	8'-6"	10' AT 2ND FLOOR
LEFT SIDE AT GARAGE	27'-0"	27'-0"	
RIGHT SIDE	5'-6"	5'-6"	10' AT 2ND FLOOR
HEIGHT / STORY	11' / 1	22'11" / 2	

SPECIAL NOTES

- FIRE SPRINKLER SYSTEM SHALL BE UNDER SEPARATE PERMIT. SUBMIT THE DESIGN PACKAGE TO CITY PRIOR TO INSTALLATION. AUTOMATIC FIRE SPRINKLER SYSTEM WILL COVER NEW SF DWELLING, THE ATTACHED ADU, THE ATTACHED GARAGE, AND ANY COVERED PORCHES AND PATIO.
- ROOF TRUSS IS A DEFERRED ITEM. SUBMIT THE TRUSS DESIGN & CALCULATIONS TO CITY PRIOR TO INSTALLATION.
- ENCROACHMENT PERMIT IS REQUIRED FOR DRIVEWAY REPLACEMENT WORK ON THE PUBLIC ROW.
- PROVIDE TEMPORARY FENCING FOR THE ENTIRE CONSTRUCTION PERIOD TO ENCLOSE THE PREMISES AND THE CONSTRUCTION AREA FOR THE PURPOSES OF SECURITY, FIRE AND SAFETY.
- A LICENSED CLASS 'A' CONTRACTOR SHALL APPLY FOR AN ENCROACHMENT PERMIT WITH THE ENGINEERING DEPARTMENT FOR ALL WORK PERFORMED WITHIN THE CITY RIGHT OF WAY.
- BONDS ARE REQUIRED FOR THIS WORK. THE BONDS SHOULD STATE THAT THE GENERAL CONTRACTOR IS OBLIGATED TO FAITHFUL PERFORMANCE AND PAYMENT FOR THE WORK. THE BOND AMOUNT WILL BE BASED ON VALUE OF WORK TO BE PERFORMED IN THE CITY'S RIGHT OF WAY.
- A DEPOSIT FOR ENGINEERING PLAN CHECK AND INSPECTIONS IS REQUIRED FOR THIS WORK. PLEASE PROVIDE AN INITIAL DEPOSIT OF \$3,000.
- THE CONTRACTOR SHALL MEET THE CITY'S INSURANCE REQUIREMENTS AND SUBMIT CURRENT INSURANCE CERTIFICATES.
- AN ENCROACHMENT PERMIT APPLICATION IS AVAILABLE UPON REQUEST OR CAN BE DOWNLOADED FROM THE CITY WEBSITE.
- THE WATER METER AND BUILDING SUPPLY SHALL BE EVALUATED TO ENSURE SUFFICIENT WATER IS AVAILABLE PER CBC 102.4 & 610.1.

CITY APPROVAL STAMPS

VICINITY MAP



DRAWING INDEX

- A1 - COVER SHEET
- A2 - SITE PLAN & GENERAL NOTES
- A3 - FLOOR PLAN
- A4 - ELEVATIONS
- A5 - ROOF PLAN
- A6 - SECTIONS
- A7 - MATERIAL BOARD

GENERAL NOTES

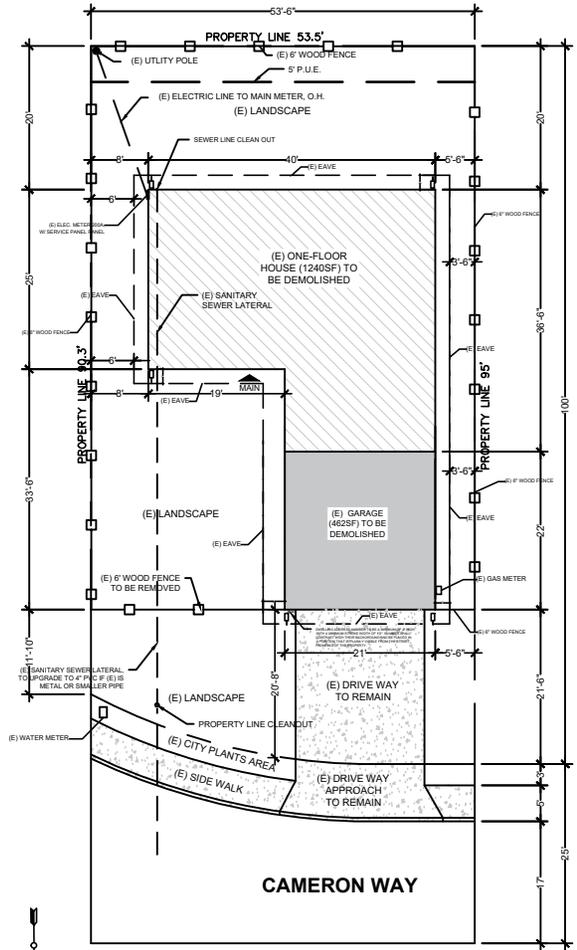
- ALL WORK SHALL CONFORM TO THE 2022 CALIFORNIA RESIDENTIAL, BUILDING, MECHANICAL, ELECTRICAL, PLUMBING, FIRE CODES, ENERGY CONSERVATION CODE AND ANY ORDINANCES OF CITY OF SANTA CLARA AND ANY OTHER REGULATORY LOCAL AND STATE AGENCIES WHICH HAVE ANY AUTHORITY OVER ANY PORTION OF THE WORK INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND THOSE CODES AND STANDARDS LISTED IN THE NOTES AND SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PLANS AND AT THE BUILDING SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCY TO THE DESIGNER BEFORE PROCEEDING WITH THE CONSTRUCTION.
- THE CONTRACTOR SHALL INSURE THAT ALL WORK IS CARRIED OUT IN A SAFE ENVIRONMENT. IT SHALL BE HIS RESPONSIBILITY TO SEE THAT ALL CONSTRUCTION SAFETY REGULATIONS APPLICABLE ARE OBSERVED.
- THE INSTALLATION OF ALL SPECIFIED FIXTURES, EQUIPMENT OR MATERIALS INCLUDING THE PREPARATION OF SURFACES, SHALL CONFORM TO THE MATERIAL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. ALL WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN THE APPLICATION MATERIALS SPECIFIED.
- CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING WHERE REQUIRED.
- METHODS OF DEMOLITION SHALL BE DEvised BY THE CONTRACTOR BUT WITHIN THE REQUIREMENTS OF ALL APPLICABLE CODES AND LOCAL ORDINANCES.
- DETAILS SHOWN ARE BASED ON DATA TAKEN FROM EXISTING FIELD OBSERVATIONS AND MAY NOT AGREE WITH EXISTING CONSTRUCTION. WHERE A DIFFERENCE OCCURS WORK SHALL BE STOPPED ON THAT AREA IMMEDIATELY AND DESIGNER SHALL BE NOTIFIED.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT EXISTING OR NEW STRUCTURES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE DESIGNER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- CONTRACTOR SHALL VERIFY WITH THE OWNER LOCATIONS OF EXISTING UNDERGROUND CABLES, CONDUITS, UTILITY PIPES, ETC. AND SHALL NOT DAMAGE SAME DURING EXCAVATIONS. CONCRETE AND ASPHALT TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A CLEAN STRAIGHT EDGE.
- THE DESIGN, ADEQUACY AND SAFETY OF ERECTING, BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE DESIGNER.
- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE, UNTIL THE STRUCTURE ITSELF (INCLUDING THE ROOF AND FLOOR DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- ALL CONCRETE OR MASONRY RETAINING WALLS SEPARATING EXTERIOR AND INTERIOR SPACES SHALL BE EQUIPPED WITH VAPOR BARRIERS AND PERFORATED DRAINS SURROUNDED BY GRAVEL.
- IN THE EVENT OF DISSIMILAR REQUIREMENTS, THE MOST STRINGENT ONE SHALL APPLY.
- THE GENERAL CONTRACTOR SHALL VERIFY AND ASSUME RESPONSIBILITY FOR ALL BUILT DIMENSIONS AND SITE CONDITIONS. THE GENERAL CONTRACTOR SHALL INSPECT THE EXISTING PREMISES AND TAKE NOTE OF EXISTING CONDITIONS PRIOR TO SUBMITTING PRICES. NO CLAIM SHALL BE ALLOWED FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE REASONABLY BEEN AVOIDED FROM SUCH AN EXAMINATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION BETWEEN ARCHITECTURAL, STRUCTURAL, LANDSCAPE ARCHITECTURE, CIVIL, MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION. THIS INCLUDES REVIEWING REQUIREMENTS OF INDIVIDUAL SYSTEMS BEFORE ORDERING AND INSTALLATION WORK.
- ANY ERRORS, OMISSIONS OR CONFLICTS FOUND IN THE VARIOUS PARTS OF THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN.
- ALL CLEAR DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE DESIGNER.
- ALL SHOWN DIMENSIONS ARE TO THE FACE OF THE STUD, CONCRETE OR CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED.
- TYPICAL (TYP.) SHALL INDICATE SIMILAR TREATMENT IN ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING AND OBTAINING ALL REQUIRED INSPECTIONS TO CONFORM WITH LOCAL BUILDING AND FIRE CODES.

- RIGHT-OF-WAY NOTES:**
- ANY DAMAGED RIGHT-OF-WAY INFRASTRUCTURES AND OTHERWISE DISPLACED CURB AND GUTTER SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE CITY ENGINEER OR HIS DESIGNEE. CONTRACTOR SHALL COORDINATE WITH PUBLIC WORKS DEPARTMENT.
 - PRIOR TO COMMENCEMENT OF ANY WORK DONE IN THE PUBLIC RIGHT-OF-WAY, A PERMIT TO OPEN STREET AND/OR AN ENCROACHMENT PERMIT WILL BE INSTALLED.

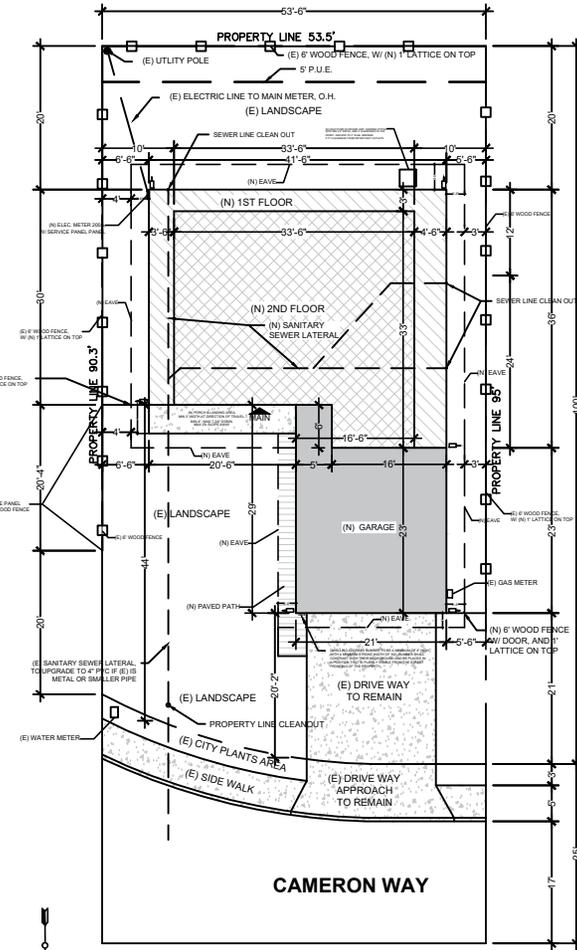
SITE PLAN KEYNOTES

- 1ST FLOOR AREA
- 2ND FLOOR AREA
- GARAGE AREA
- CONCRETE WALKWAY/SLAB
- PAVER PATH
- DOWNSPOUTS WITH SPLASH BLOCK
- WATER DRAINAGE FLOW AND SLOPE
- PROPERTY LINE
- ROOF/EAVE LINE
- FENCE
- EASEMENT

NOTES FOR WATER SERVICE:
 THE NEW WATER SERVICE SHALL MAINTAIN A MINIMUM 24" OF VERTICAL CLEARANCE AT WATER SERVICE CROSSING WITH OTHER UTILITIES, AND ALL REQUIRED MINIMUM HORIZONTAL CLEARANCES FROM WATER SERVICES: 10' FROM SANITARY SEWER UTILITIES, 10' FROM RECYCLED WATER UTILITIES, 8' FROM STORM DRAIN UTILITIES, 5' FROM FIRE AND OTHER WATER UTILITIES, 3' FROM ABANDONED WATER SERVICES, 5' FROM GAS AND ELECTRIC UTILITIES, AND 5' FROM THE EDGE OF THE PROPOSED OR EXISTING DRIVEWAY. THE NEW WATER SERVICE SHALL MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 10' FROM EXISTING AND PROPOSED TREES. IF APPLICANT INSTALLS TREE ROOT BARRIERS, CLEARANCE FROM TREE REDUCES TO 5' (CLEARANCE MUST BE FROM THE EDGE OF TREE ROOT BARRIER TO EDGE OF WATER FACILITIES).



(E) SITE PLAN SCALE: 1/8" = 1'-0"



(N) SITE PLAN SCALE: 1/8" = 1'-0"

SITE PLAN

OWNER: YAN HAN
3034 CAMERON WAY
 SANTA CLARA, CA 95051
 # 296-36-054
 A.P.N.

Drawn By
LIGENG WANG

Date
 10/14/2025

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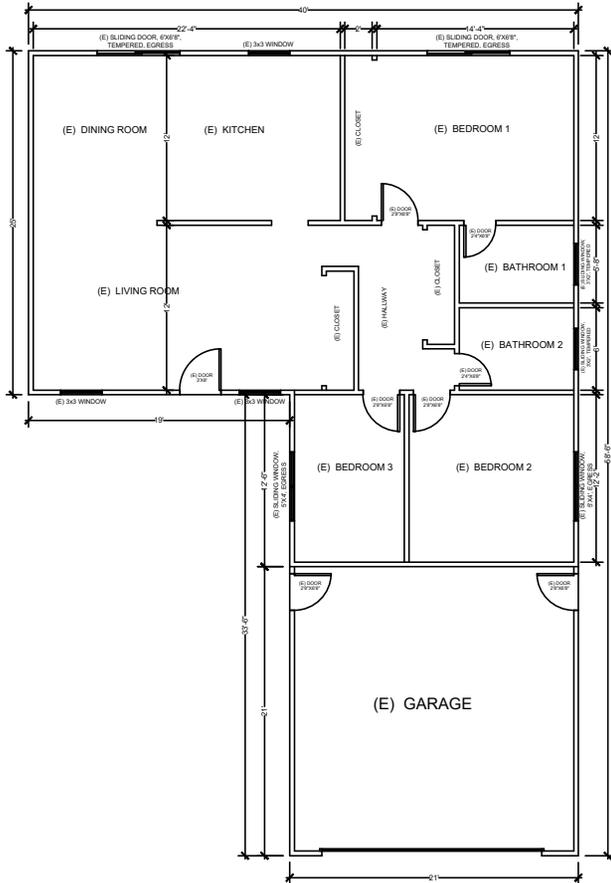
FLOOR PLAN

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 SANTA CLARA, CA 95051
 A.P.N. # 296-36-054

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 Date
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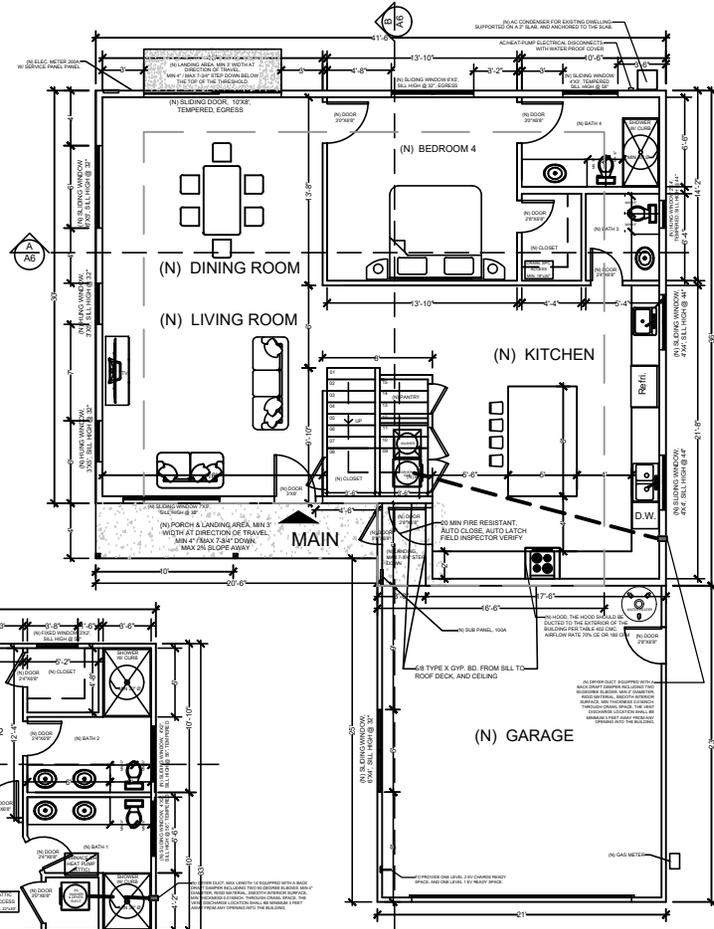
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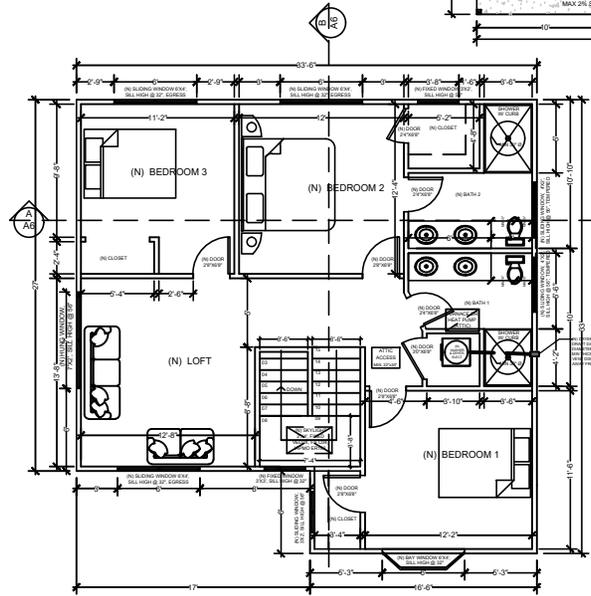
(E) FLOOR PLAN SCALE: 1/4" = 1'-0"
(TO BE DEMOLISHED)

FLOOR PLAN KEYNOTES

- DEMOLISHED
- EXISTING WALL
- NEW WALL
- NEW WALL W/ INSULATION
- EXISTING WALL W/ INSULATION
- ONE HOUR FIRE-RATED WALL
- ATTIC ACCESS, MIN. 22"X30"
- CRAWL SPACE ACCESS, MIN.18"X24"
- WASHER
- DRYER
- WATER HEATER
- SINK
- FURNACE



(N) 1ST FLOOR PLAN SCALE: 1/4" = 1'-0"



(N) 2ND FLOOR PLAN SCALE: 1/4" = 1'-0"

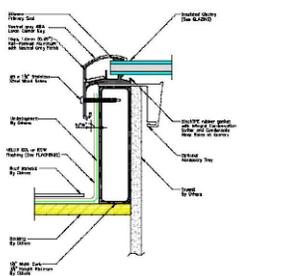
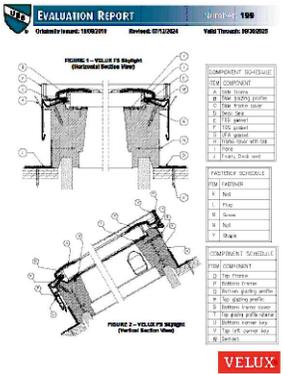


ROOF PLAN

OWNER: YAN HAN
3034 CAMERON WAY
SANTA CLARA, CA 95051
A.P.N. # 296-36-054

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LIGENG WANG
Ligeng Wang
Date
10/14/2025

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Specifications
Dimensions: H 61.375 in, W 27.375 in, D 3 in

Dimensions	
Product Depth (in.)	3 in
Product Width (in.)	27.375 in
Rough Opening Width (in.)	22.5 in
Product Height (in.)	51.375 in
Rough Opening Height (in.)	46.5 in

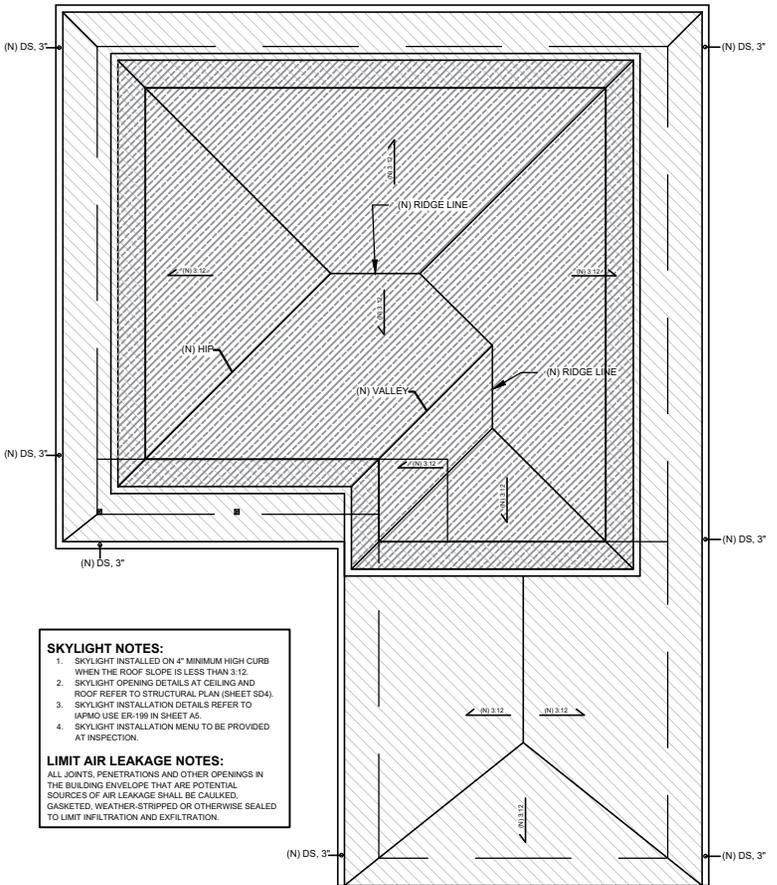
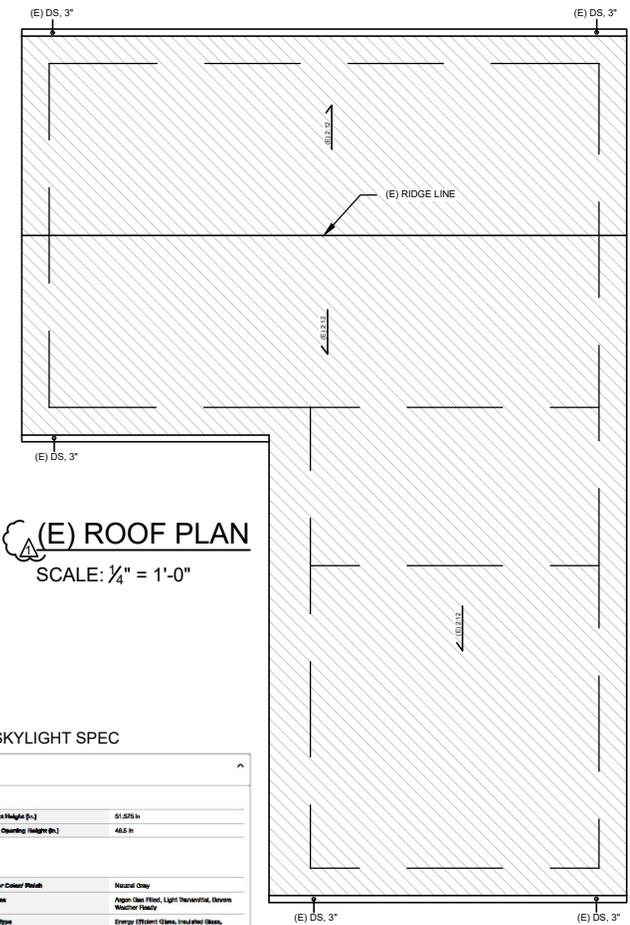
Details			
Ceiling Type	Aluminum	Exterior Color/Finish	Neutral Gray
Exterior Color/Finish Family	Gray	Features	Agion Gas Flood, Light Transmittal, Storm Weather Ready
Frame Material	Aluminum	Glass Type	Energy Efficient Glass, Insulated Glass, Laminated Glass, Low-E Glass, Tinted Glass
Insulated	Insulated	Interior Color/Finish Family	Gray
Minimum Roof Pitch (degrees)	60	Min-Roof Pitch (degrees)	0
Product Weight (lb.)	47.3 lb	Removable	60 Day
Skylight Mounting Type	Curb Mount	UV Factor	0.48
UV Protection (%)	88.8		

ATTIC VENT CALCULATION:

EA EAVE VENT (STEEL) = 44.00 SI (N.F.V.)

TOTAL AREA: 2275 SI
REQUIRED ATTIC VENTILATION:
2275 SF / 150 = 17.88 SF X 144 = 2575 SI

PROPOSED VENTING:
EAVE VENT (50): 50 X 44 = 2600 SI > REQUIRED 2575 SI, OK



SKYLIGHT NOTES:

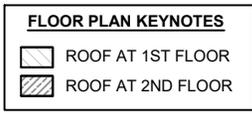
- SKYLIGHT INSTALLED ON 4" MINIMUM HIGH CURB WHEN THE ROOF SLOPE IS LESS THAN 3:12.
- SKYLIGHT OPENING DETAILS AT CEILING AND ROOF REFER TO STRUCTURAL PLAN (SHEET SD4).
- SKYLIGHT INSTALLATION DETAILS REFER TO IAPMO USE ER-199 IN SHEET AS.
- SKYLIGHT INSTALLATION MENU TO BE PROVIDED AT INSPECTION.

LIMIT AIR LEAKAGE NOTES:

ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CALKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.

ROOF PLAN NOTES:

- 50 YR COMP. SHINGLE ROOF, CLASS 'A':
 - 1/2" CDX PLYWD OR OSB ROOF SHEATHING W/ RADIANT BARRIER FACING DOWN TOWARD THE ATTIC SPACE.
 - DOUBLE LAYERS OF 30# FELT PAPER OVER THE ROOF SHEATHING.
- ROOF SLOPE 3:12 TYP.
- GABLE VENTS BELOW.
- 2X SKYLIGHT, VELUX OR EQUAL, ICC APPROVED PRODUCT.
- 18" EAVE W/SEAMLESS GUTTER TYP.
- 6"X22" ROOF VENT.



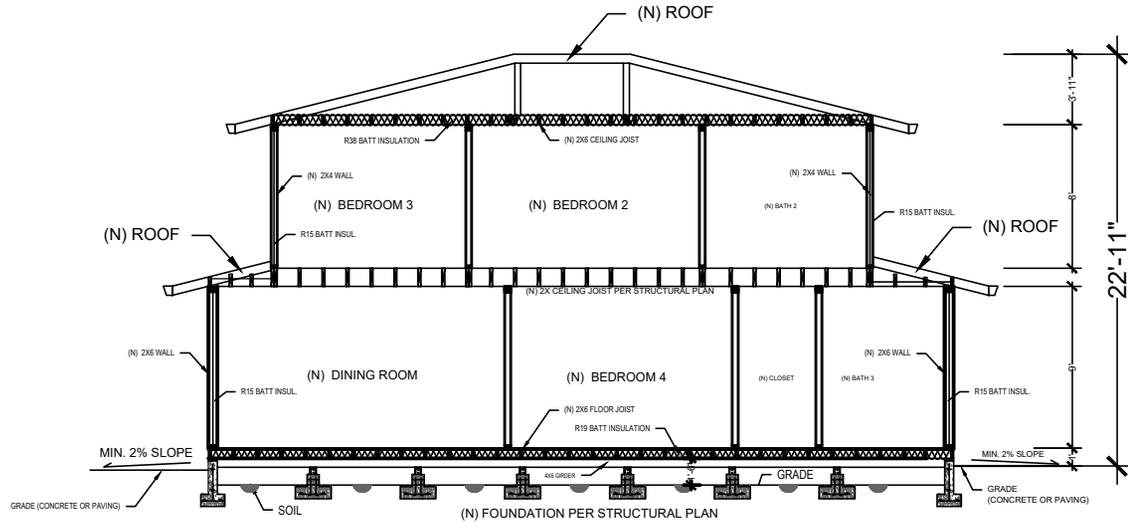
SECTION PLAN

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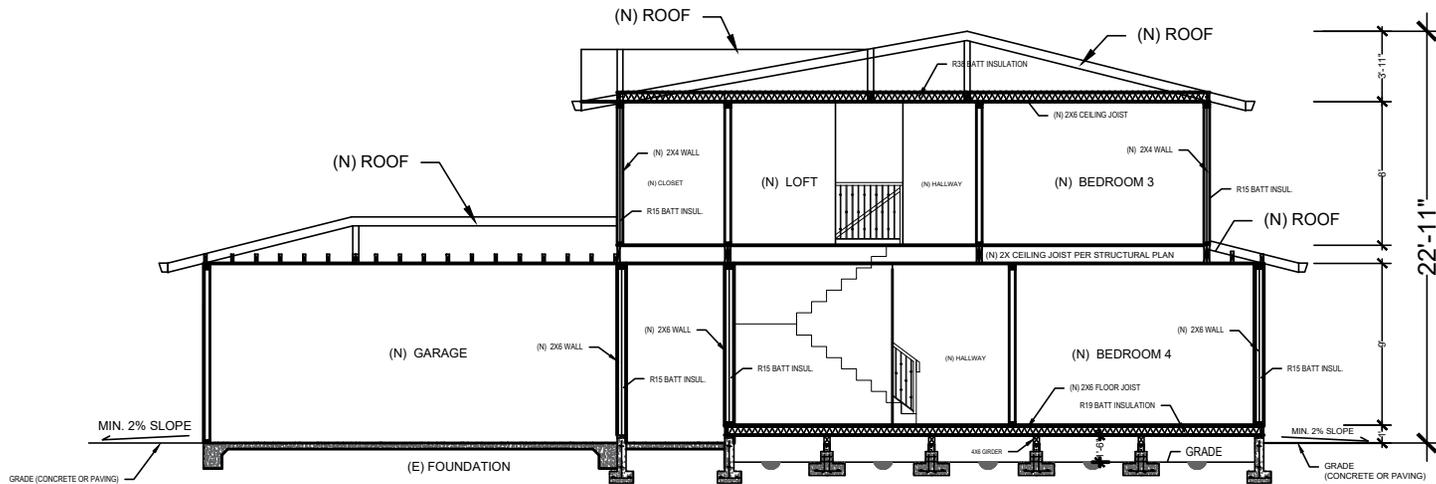
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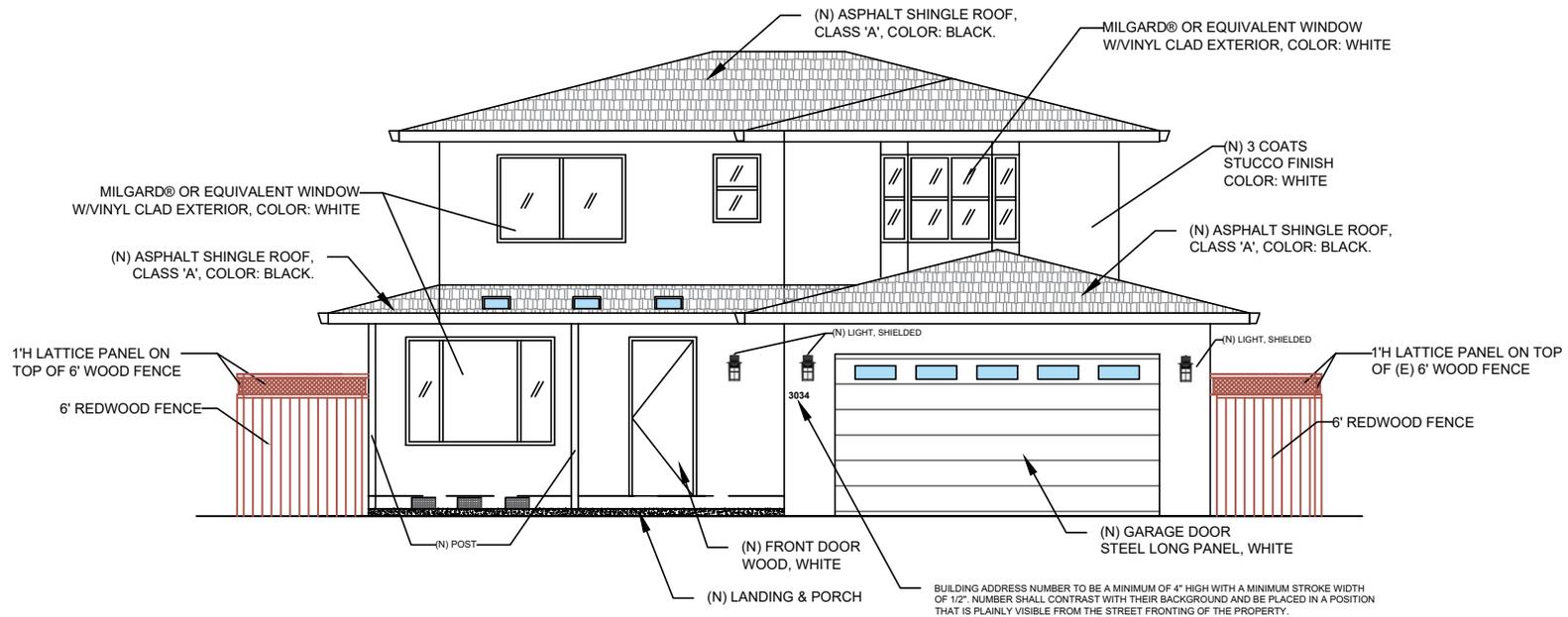


(A) LEFT-RIGHT SECTION SCALE: 1/4" = 1'-0"



(B) FRONT-REAR SECTION SCALE: 1/4" = 1'-0"

MATERIAL BOARD



MATERIAL BOARD

3034 CAMERON WAN, SANTA CLARA, CA

OWNER: YAN HAN
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 LIGENG WANG
[Signature]
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 10/14/2025

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