

July 25, 2024

City of Menlo Park 701 Laurel St. Menlo Park, CA 94025

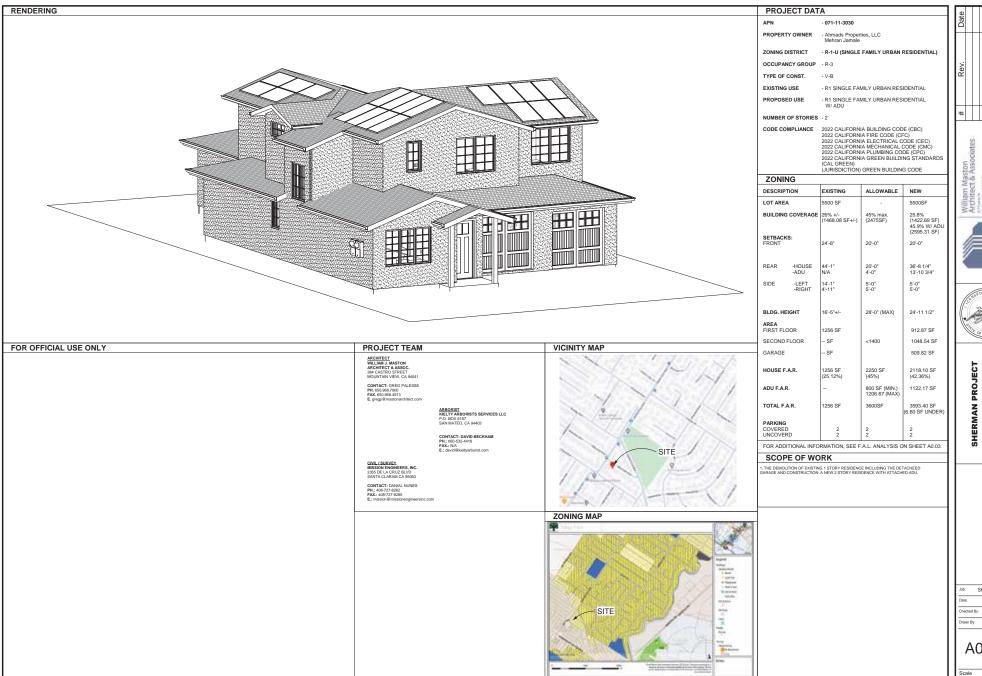
Re: 1055 Sherman Avenue

Project Overview

The proposed project at 1055 Sherman Avenue demolishes the existing residence and replaces it with a new 3 bedroom, 2 bath main residence with an attached 2 bedroom 2 bath ADU, and a 2-car garage. We believe that the style and the proportion of the residence is consistent with the adjoining properties in the neighborhood. Roof materials, siding, and general detailing were intended to complement adjacent residences. We are including a 2-car garage to make sure that we provide adequate parking. We look forward to further review by planning staff.

Bill Maston

Project Architect







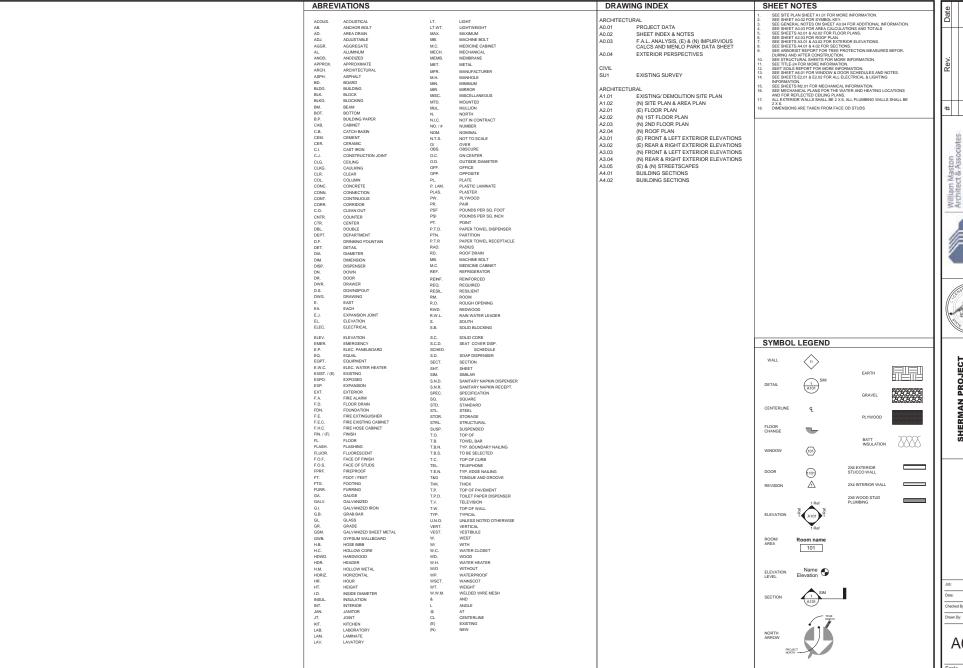
1055 SHERMAN AVE. MENLO PARK, CA 94025

PROJECT DATA

SHF 2024 002 6/20/2022 Checker

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12" = 1'-0"



# Rev. Date

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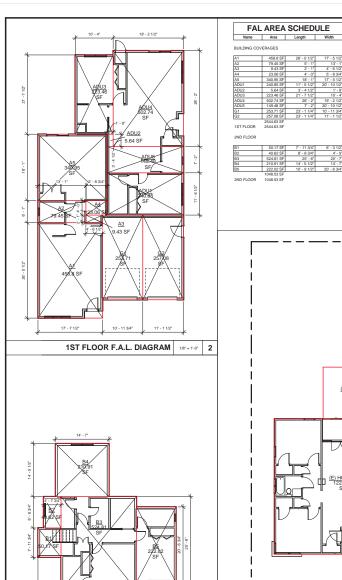


SHERMAN PROJECT 1055 SHERMAN AVE. MENLO PARK, CA 94025

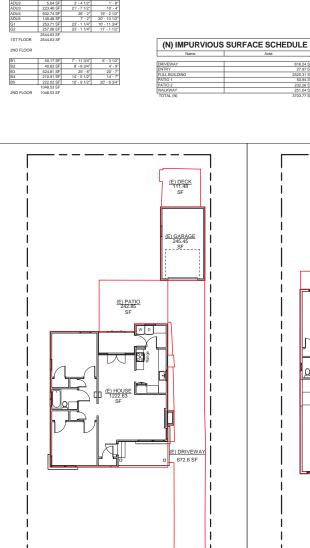
SHEET INDEX & NOTES

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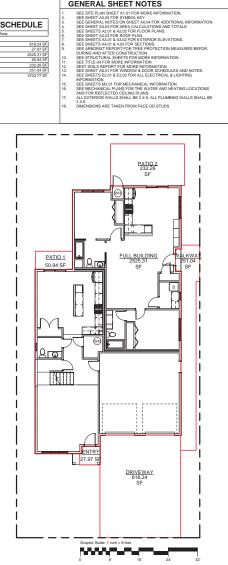
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2ND FLOOR F.A.L. DIAGRAM 1/8" - 1'-0" 1



(E) IMPURVIOUS SURFACE DIAGRAM 1/8" - 1'-0" 3



(N) IMPURVIOUS SURFACE DIAGRAM 1/8" - 1'-0"

#### IMPUVIOUS SURFACE NOTES AREA CALCULATION SUMMARY

SQUARE FOOT CALCULATIONS FOR THE SITE PLANS WERE CREATED WITH REVIT SOFTWARE TO SIMPLIFY THE CALCULATIONS DUE TO THE IRREGULAR SHAPES OF THE AREA.

**GENERAL SHEET NOTES** 

(E) IMPURVIOUS SURFACE SCHEDULE

TOTAL LOT AREA = 5500 SF

BUILDING COVERAGE = 35% OF LOT + 800 SQ. FT. ADU ALLOWANCE 0.35 x 5500 = 1925 + 800 = 2725 SQ FT. MAX

FAL (FLOOR AREA LIMIT), (NOT INCLUDING ADU) = 2800 SQ. FT. (1400 SQ. FT. FOR 2ND FLR) FLOOR AREA LIMIT (INCLUDING ADU) = 2800 + 800 = 3600 SQ. FT. MAX

ADU SIZE LIMIT 1000 SQ.FT. OR 50% OF HOUSE (WHICHEVER IS GREATER) =  $.5 \times 2413.34 = 1206.67$  ADU MAX

FLOOR AREA TOTALS

HOUSE

459.89 79.45 340.95 23.06 9.52 252.74

2ND FLOOR B1 B2 B3 B4

B5 222.03 SUBTOTAL 1048.54 < 1400

TOTAL HOUSE 2471.23

ADU ADU1 ADU5 5.64 SUBTOTAL 1122.17 < 1206.67

TOTAL F.A.L. (INCLUDING ADU) 1ST FLOOR 1422.69 2ND FLOOR 1048.54 ADU 1122.17 TOTAL 3593.40 < 3600

PARKING TOTALS

PROVIDED = 4 SPACES (2 COVERED)

REQUIRED = 2 SPACES

COMMUNITY DEVELOPMENT DEPARTMENT

DATA SHEET

LOCATION HIS SHEETMAN AVE. EXISTING USE

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					CONTRACT STANDARDS	PROPERTY PROJECT		DEVELOPMENT OF	
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F.A.L. ANALYSIS, (E) & (N)
IMPURVIOUS CALCS AND
MENLO PARK DATA
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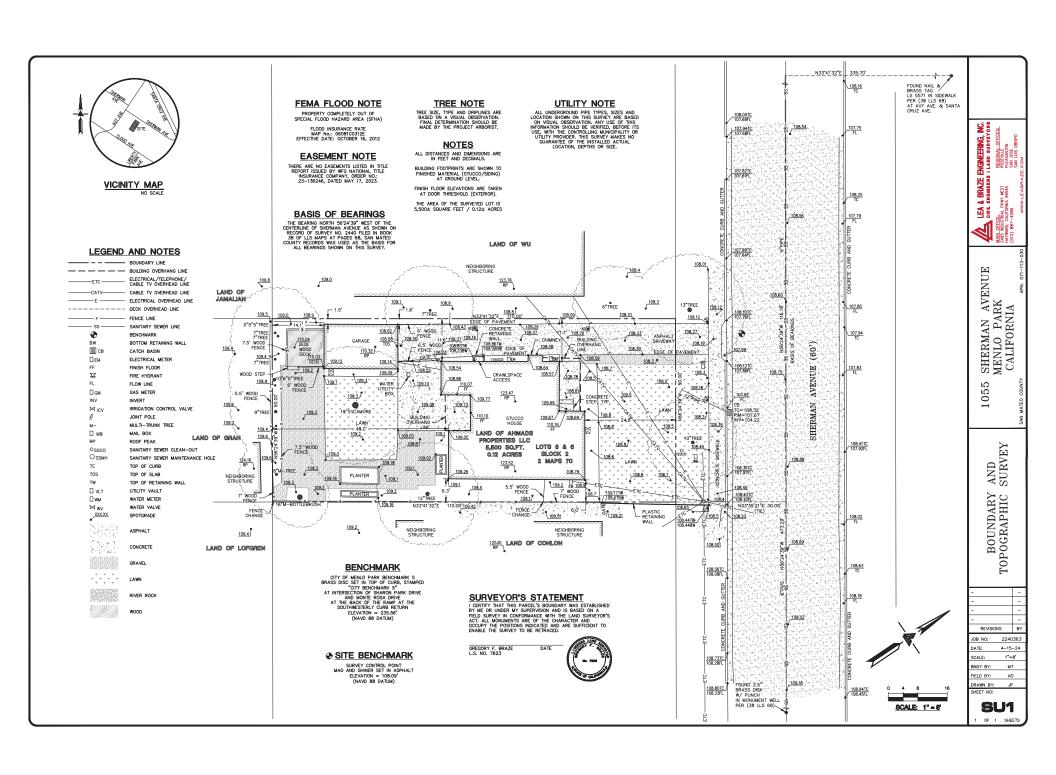
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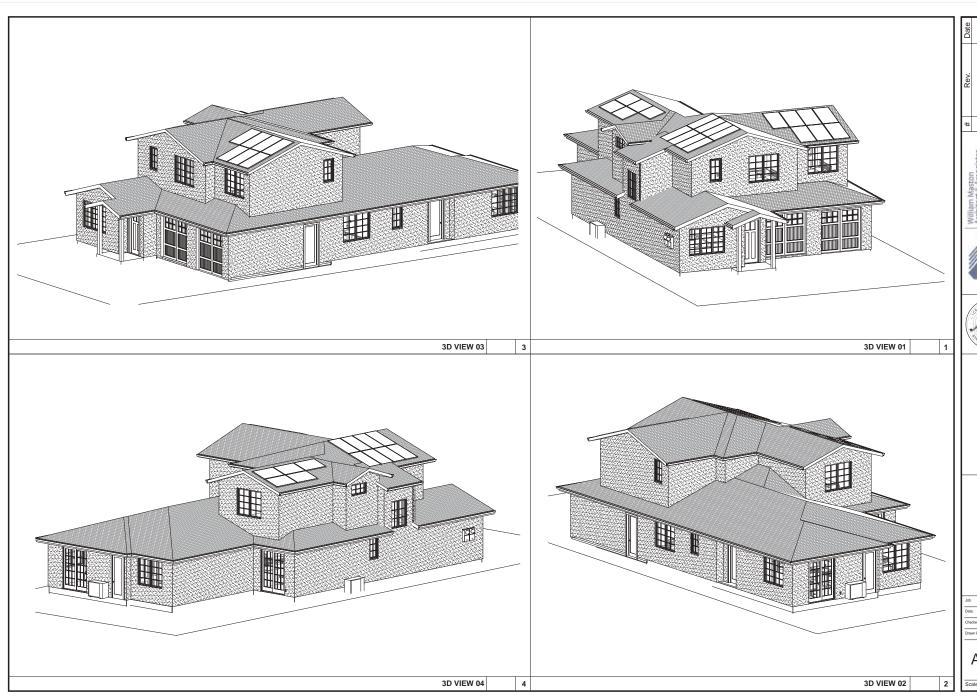
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1/8" = 1'-0'





## Rev. Date

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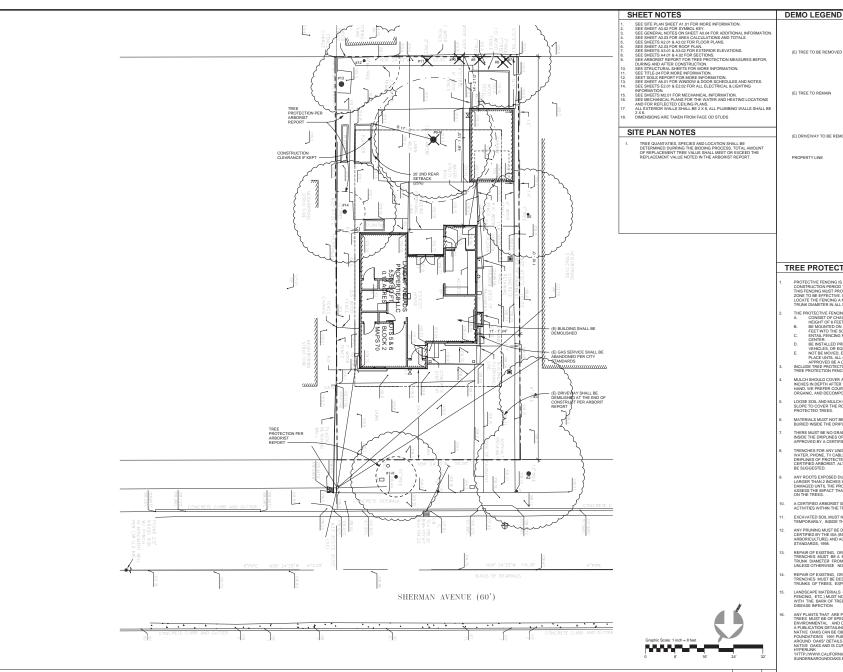
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EXTERIOR PERSPECTIVES

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DEMO LEGEND



(E) DRIVEWAY TO BE REMOVED



PROPERTY LINE

#### TREE PROTECTION NOTES

CONSTRUCTION PERIOD TO PROTECT TREES TO BE PRESERVED. THIS FENCING MUST PROTECT A SUFFICIENT PORTION OF THE ROOT ZONE TO BE EFFECTIVE. IN MOST CASES, IT WOULD BE ESSENTIAL TO LOCATE THE FENCING A MINIMUM RADIUS DISTANCE OF 6 TIMES THE TRUNK DIAMETER IN ALL DIRECTIONS FROM THE TRUNK.

- TRUNK DUMETER IN ALL DIRECTIONS FROM THE TRUNK.

  1 PROTECTIVE PECHOSIA DUST.

  A CONSIST OF CHAIN LINK FENCING AND HAVING A MINIMUM HEIGHT OF PET.

  1 PROTECTIVE OF PET.

  ETET ANTO THE SOIL.

  C ENTAL FENCING POSTS LOCATED A MAXIMUM OF 10 PEET ON DO. 12 PET.

  ETET ANTO THE SOIL.

  E NISTALLED PRIOR TO THE ARRIVAL OF MATERIALS, VENCILES, OR EQUIPMENT PORTAL VIA. DUST REMAIN NO. 12 PET.

  E. NOT ISE MOVED, VEY TEMPORALS, V. AND MAST REMAIN IN APPROVED BE A CERTIFIED ARRORS T.

  INCLIDE THEE PROTECTION SIGNAGE MOUNTED TO ALL NOVIDUAL TREE TREET MOUNTED TO ALL N
- MULCH SHOULD COVER ALL BARE SOILS. THIS MATERIAL MUST BE 6-8 INCHES IN DEPTH AFTER SPREADINS, WHICH MUST BE DONE BY HAND. WE PREFER COURSE WOOD CHIPS BECAUSE THEY ARE ORGANIC, AND DECOMPOSE NATURALLY OVER TIME.
- LOOSE SOIL AND MULCH MUST NOT BE ALLOWED TO SLIDE DOWN SLOPE TO COVER THE ROOT ZONES OR THE ROOT COLLARS OF PROTECTED TREES.
- MATERIALS MUST NOT BE STORED, STOCKPILED, DUMPED, OR BURIED INSIDE THE DRIPLINES OF PROTECTED TREES.
- THERE MUST BE NO GRADING, TRENCHING, OR SURFACE SCRAPING INSIDE THE DRIPLINES OF PROTECTED TREES, UNLESS SPECIFICALLY APPROVED BY A CERTIFIED ARBORIST.
- TRENCHES FOR ANY UNDERGROUND UTILITIES (GAS, ELECTRICITY, WATER, PHONE, TV CABLE, ETC.) MUST BE LOCATED OUTSIDE THE DRIPLINES OF PROTECTED TREES, UNLESS APPROVED BY A CERTIFIED ARBORIST. ALTERNATIVE METHYODS OF INSTALLATION MA BE SUGGESTED.
- ANY ROOTS EXPOSED DURING CONSTRUCTION ACTIVITIES THAT ARE LARGER THAN 2 INCHES IN DIAMETER SHOULD NOT BE CUT OR DAMAGED UNIT. THE PROJECT ARBORIST HAS AN OPPORTUNITY TO ASSESS THE IMPACT THAT REMOVING THESE ROOTS COULD HAVE ON THE TREES.
- A CERTIFIED ARBORIST SHOULD SUPERVISE ANY EXCAVATION ACTIVITIES WITHIN THE TREE PROTECTION ZONE OF THESE TREES.
- EXCAVATED SOIL MUST NOT BE PILED OR DUMPED, EVEN TEMPORARILY, INSIDE THE DRIPLINES OF PROTECTED TREES
- ANY PRUNING MUST BE DONE BY A COMPANY WITH AN ARBORIST CERTIFIED BY THE ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) AND ACCORDING TO ISA, WESTERN CHAPTER STANDARDS, 1988.
- REPAIR OF EXISTING, OR ANY FUTURE, LANDSCAPE IRRIGATION TRENCHES MUST BE A MINIMUM DISTANCE OF 10 TIMES THE TRUNK DIAMETER FROM THE TRUNKS OF PROTECTED TREES UNLESS OTHERWISE NOTED AND APPROVED BY THE ARBORIST.
- REPAIR OF EXISTING, OR ANY FUTURE, LANDSCAPE IRRIGATION TRENCHES MUST BE DESIGNED TO AVOID WATER STRIKING THE TRUNKS OF TREES, ESPECIALLY OAK TREES.
- LANDSCAPE MATERIALS (COBBLES, DECORATIVE BARK, STONES, FENCING, ETC.) MUST NOT BE INSTALLED DIRECTLY IN CONTACT WITH THE BARK OF TREES BECAUSE OF THE RISK OF SERIOUS DISEASE INFECTION.
- DISEASE REVELTION.
  ANY PLANTS THAT ARE PLANTED INSIDE THE DRIPLINES OF OAK TREES MUST BE OF SPECIES THAT ARE COMPATIBLE WITH THE ENROGMENTAL AND CULTUME, ACCOUNTEDIST, AND CONTINUES, AND

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EXISTING/ DEMOLITION SITE PLAN

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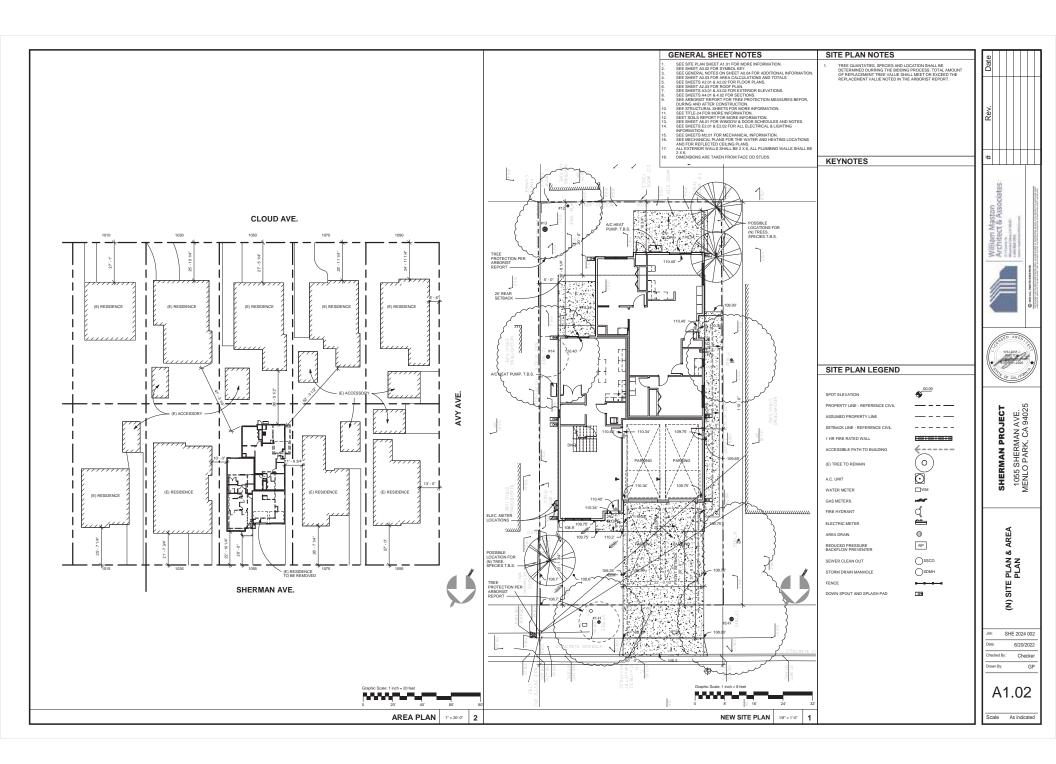
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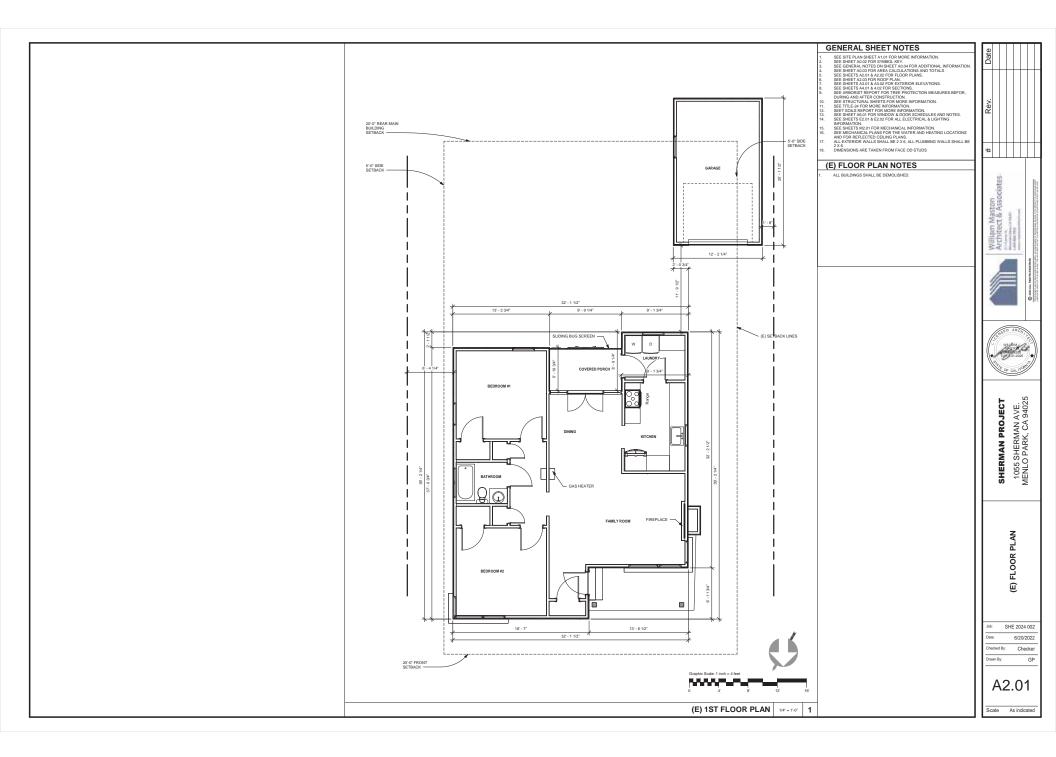
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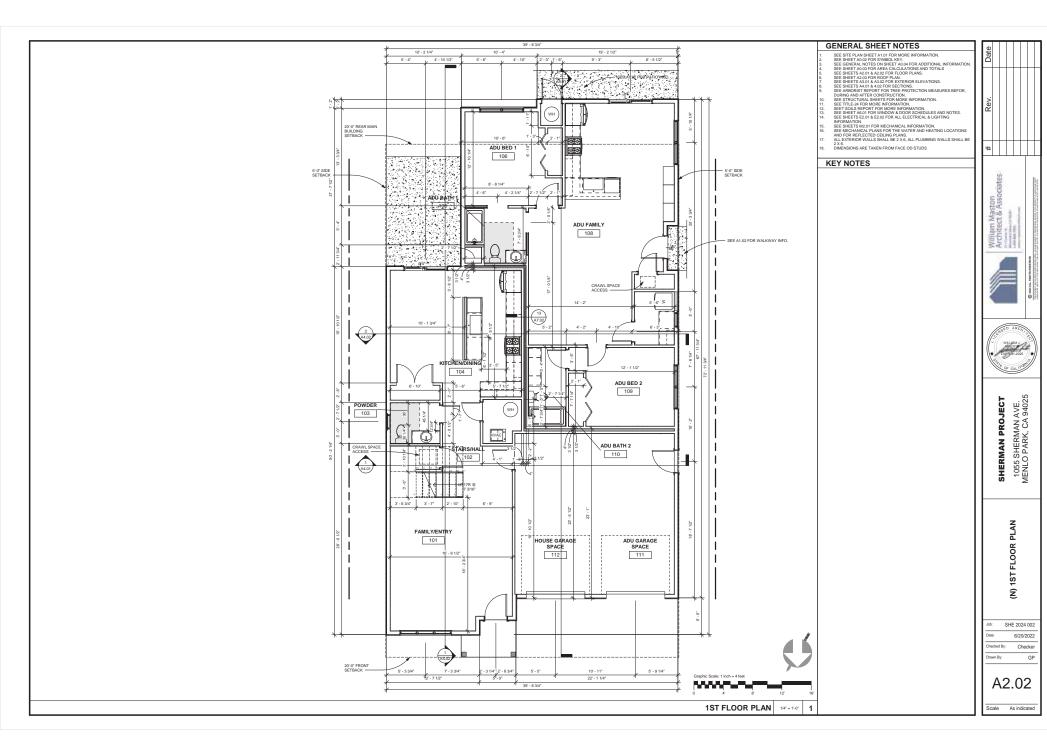
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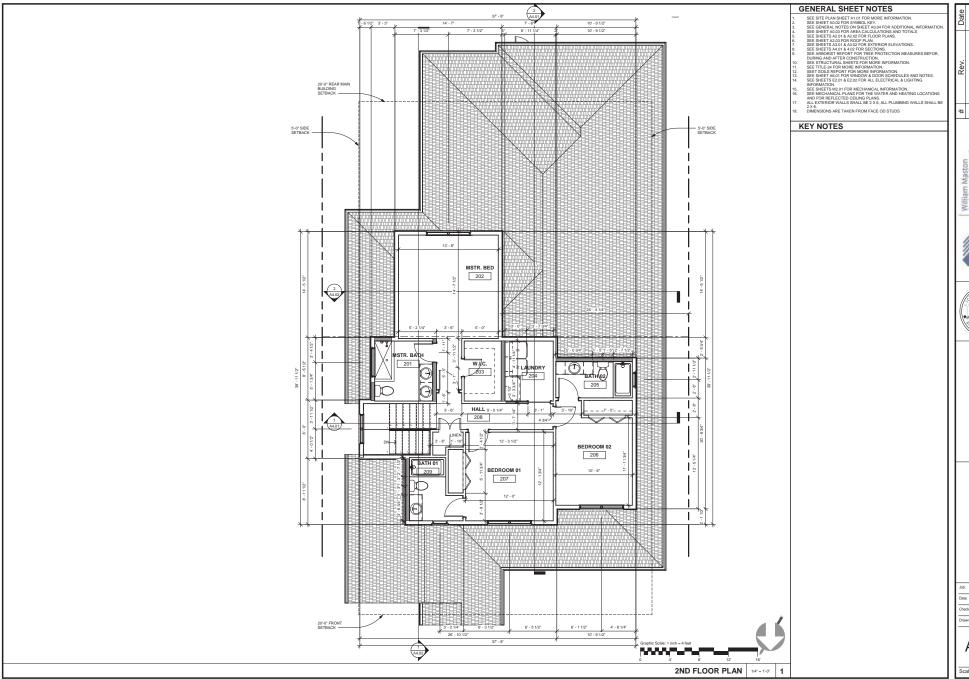
1/8" = 1'-0" Scale

EXISTING/DEMO SITE PLAN 1/8" = 1'-0" 1









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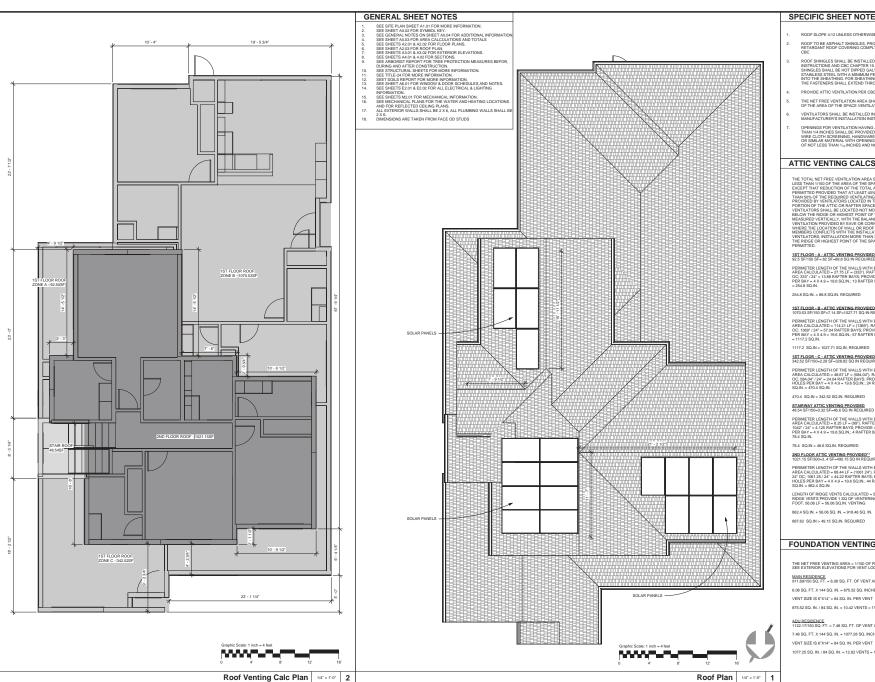
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(N) 2ND FLOOR PLAN

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#### SPECIFIC SHEET NOTES

- ROOF SLOPE 4:12 UNLESS OTHERWISE NOTED
- ROOF TO BE ASPHALT SHINGLES, PROVIDE A CLASS 'A' FIRE RETARDANT ROOF COVERING COMPLYING WITH CHAPTER 15 OF
- ROOF SHINGLES SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS AND CBC CHAPTER 15. FASTENERS FOR WOOD SHINGLES SHALL BE HOT DIPPED GALVANIZED OF TYPE 50A STANLESS STEEL WITH A MINIMUM PENETRATION OF \$\frac{1}{2}\$ INCIDES MOTO THE SHAFTHING, FOR SHAFTHING LESS THAM \$\frac{1}{2}\$ MOTO THE SHAFTHING.
- PROVIDE ATTIC VENTILATION PER CBC SECTION 1203
- THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED
- VENTILATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION.
- OPENINGS FOR VENTILATION HAVING A LEAST DIMENSION LARGER THAN 14 INCHES SHALL BE PROVIDED WITH CORROSION-RESISTAN WIRE CLOTH SCREENING, HANDWARE CLOTH, PERFORATED WINTLOR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/4, INCHES, AND NOT MORE THAN 1/4, NCHES.

#### ATTIC VENTING CALCS

THE TOTAL NET FREE VENTLATION AREA SHALL NOT BE LESS THAN 1190 OF THE AREA OF THE SPACE VENTLATED ENDINE VENTLATED FREE VENTLATED FROM THE AREA OF THE SPACE VENTLATED FROM THE AREA OF THE REQUIRED VENTLATION AREA BE THAN 100 OF THE REQUIRED VENTLATION AREA BE AREA OF THE THAN 100 OF THE AREA OF THE VENTLATIONS SHALL BE LOOK LED NOT MORE THAN 3 FEET VENTLATION FOR POWER OF THE AREA OF THE VENTLATION FOR POWER OF THE AREA OF THE VENTLATION FOR POWER OF THE AREA OF THE VENTLATION OF THE AREA OF T

#### 1ST FLOOR - A - ATTIC VENTING PROVIDED 92.5 SF/150 SF=.62 SF=88.8 SQ IN REQUIREED

PERIMETER LENGTH OF THE WALLS WITH BAYES OF THE AREA CALCULATED = 27.75 LF = (33.91); RAFTERS ARE: @ 24' OC: 333' /24" = 13.88 RAFTER BAYS; PROVIDE 4 (2 ½); HOLES PER BAY = 44.4.9 = 19.6 SQ.IN.; 13 RAFTER BAYS X 19.6 SQ.IN. = 254.8 SQ.IN.

254.8 SQ.IN. > 88.8 SQ.IN. REQUIRED

### 1ST FLOOR - B - ATTIC VENTING PROVIDED 1070.53 SF/150 SF=7.14 SF=1027.71 SQ IN REQUIRED

PERIMETER LENGTH OF THE WALLS WITH EAVES OF THE AREA CALCULATED = 114.21 LF = (1389). RAFTERS ARE @ 24\* OC; 1389\* / 24\* = 57.08 RAFTER BAYS; ROVIDE 4 (2 ½\*)\* INCLES PER BAY = 4 X 4.9 = 19.6 SQ.IN.; 57 RAFTER BAYS X 19.6 SQ.IN. = 1117.2 SQ.IN.

1117.2 SQ.IN > 1027.71 SQ.IN. REQUIRED

### 1ST FLOOR - C - ATTIC VENTING PROVIDED 342.52 SF/150=2.28 SF=328.82 SQ IN REQUIRED

PERIMETER LENGTH OF THE WALLS WITH EAVES OF THE AREA CALCULATED = 48.67 LF = (584.04\*). RAFTERS ARE @ 24\* OC; 584.04" / 24" = 24.04 RAFTER BAYS; PROVIDE 4 (2 "/x") HOLES PER BAY = 4 X 4.9 = 19.6 SQ.IN.; 24 RAFTER BAYS X 19.6 SQ.IN. = 470.4 SQ.IN.

470.4 SQ.IN > 342.52 SQ.IN. REQUIRED

### STAIRWAY ATTIC VENTING PROVIDED 48.54 SF/150=0.32 SF=46.6 SQ IN REQUIRED

PERIMETER LENGTH OF THE WALLS WITH EAVES OF THE AREA CALCULATED = 8.25 LF = (997). RAFTERS ARE @ 24" CC: 1042" (24" = 4.125 RAFTER BAYS, PROVIDE 4.2" /2"). THOLES PER BAY = 4 X 4.9 = 19.6 SQ.IN.; 4 RAFTER BAYS X 19.6 SQ.IN. = 78.4 SQ.IN.

78.4 SQ.IN > 46.6 SQ.IN. REQUIRED

### 2ND FLOOR ATTIC VENTING PROVIDED\*\* 1021.15 SF/300=3..4 SF=490.15 SQ IN REQUIRED

PERIMETER LENGTH OF THE WALLS WITH EAVES OF THE AREA CALCULATED - 88.44 LF - (1061.24°), RAFTERS ARE. @ 24° OC; 1061.26′24° - 44.22 ARTER BAYS PROVIDE 4 (2 ½°), HOLES PER BAY - 4 X 4.9 = 19.6 SQ.IN.; 44 RAFTER BAYS X 19.6 SQ.IN. = 862.4 SQ.IN.

LENGTH OF RIDGE VENTS CALCULATED = 56.06 LF RIDGE VENTS PROVIDE 1 SQ OF VENTERING PER 1 LINEAR FOOT. 56.06 LF = 56.06 SQ.IN. VENTING

862.4 SQ.IN. + 56.06 SQ. IN. = 918.46 SQ. IN.

887.62 SQ.IN > 49.15 SQ.IN. REQUIRED

## FOUNDATION VENTING CALCS

# MAIN RESIDENCE 911.69/150 SQ. FT. = 6.06 SQ. FT. OF VENT AREA REQ'D

6 08 SO FT X 144 SO IN = 875 52 SO INCHES OF VENT AREA REO'D.

875.52 SQ. IN. / 84 SQ. IN. = 10.42 VENTS = 11 VENTS REQUIRED

ADU RESIDENCE 1122.17/150 SQ. FT. = 7.48 SQ. FT. OF VENT AREA REQ'D

7 48 SO ET X 144 SO IN = 1077 28 SO INCHES OF VENT AREA REO'D

VENT SIZE IS 6"X14" = 84 SQ. IN. PER VENT

1077.25 SQ. IN. / 84 SQ. IN. = 12.82 VENTS = 13 VENTS REQUIRED

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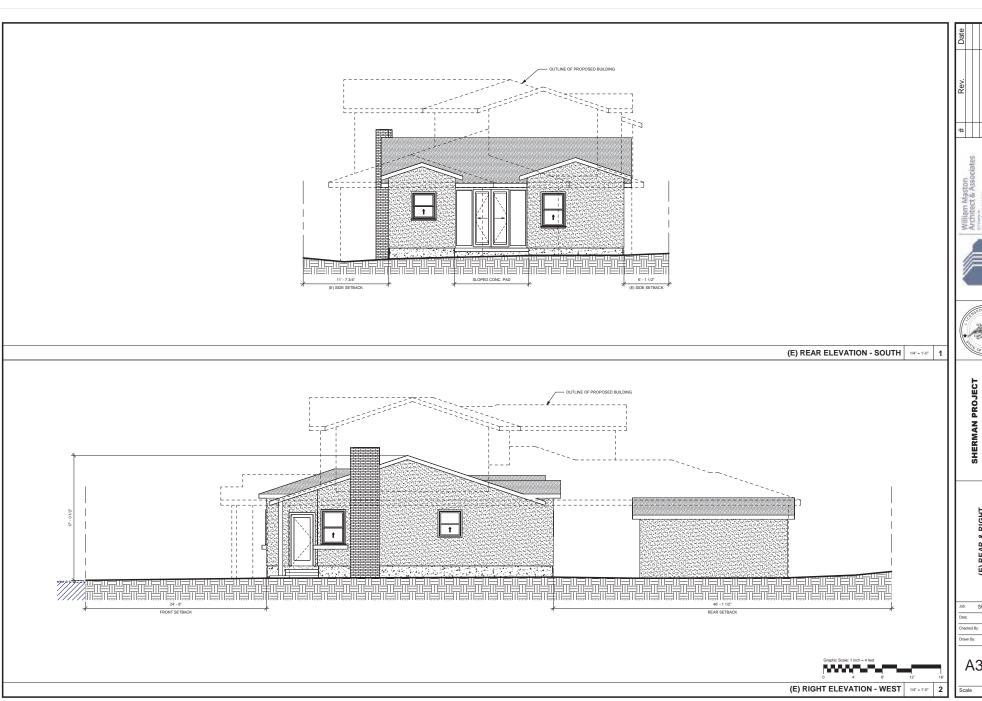
(E) FRONT & LEFT EXTERIOR ELEVATIONS

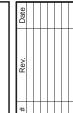
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Scale 1/4" = 1'-0"









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(E) REAR & RIGHT EXTERIOR ELEVATIONS

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Scale 1/4" = 1'-0"



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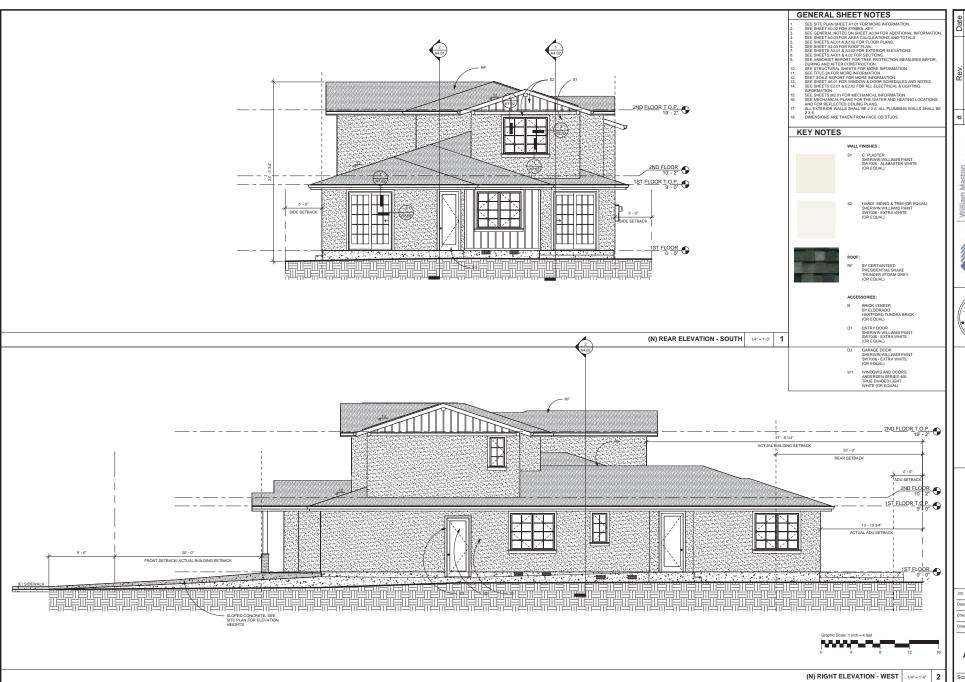


1055 SHERMAN AVE. MENLO PARK, CA 94025

(N) FRONT & LEFT EXTERIOR ELEVATIONS

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SHERMAN PROJECT 1055 SHERMAN AVE. MENLO PARK, CA 94025

> (N) REAR & RIGHT EXTERIOR ELEVATIONS

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1020 SHERMAN

NTS 3

1050 SHERMAN NTS

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(E) & (N) STREETSCAPES

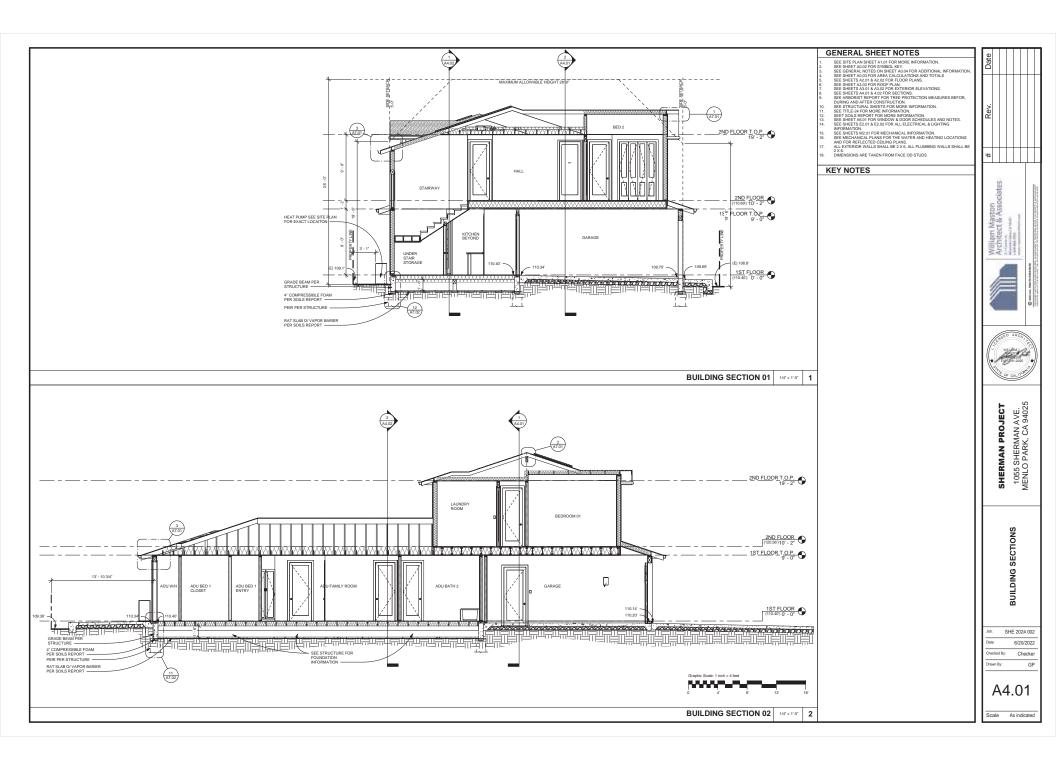
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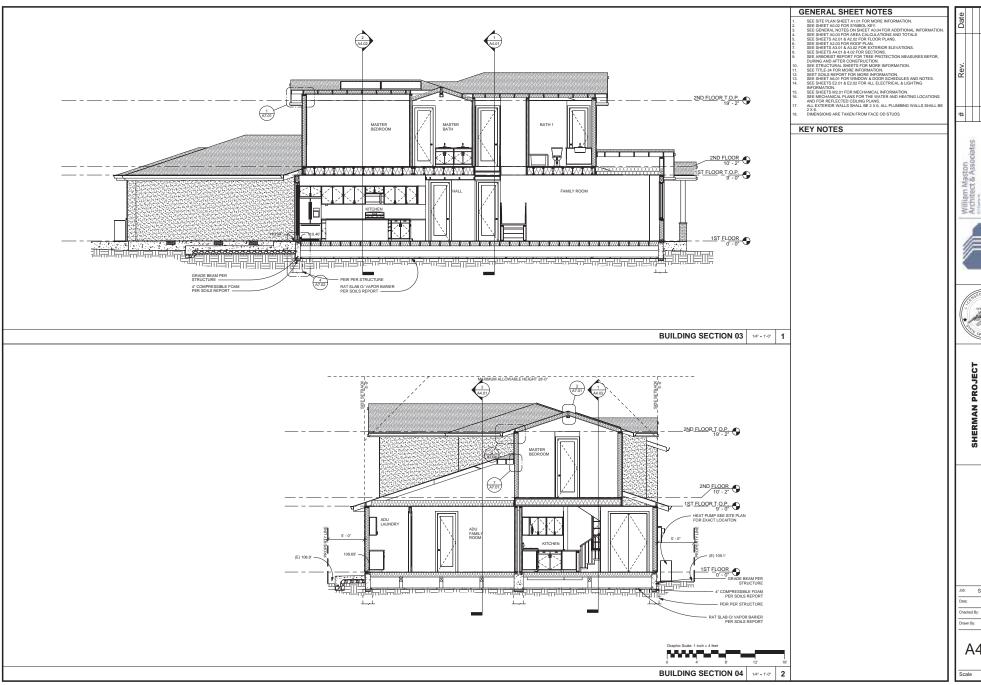
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1088 SHERMAN

NTS





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BUILL DING SECTIONS

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Date: 6/20/2022

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