

CALLOUT:

- 1 EXISTING SEWER SERVICE
- 2 EXISTING WATER SERVICE
- 3 REMOVE EXISTING TREE
- 4 PROTECT EXISTING TREE

TENTATIVE PARCEL MAP

THE SOUTHWEST QUARTER OF LOT 3 AND THE NORTH 46 FEET OF THE NORTHWEST QUARTER OF LOT 4 IN BLOCK 4 OR "R. F. & E. A. THEILE'S SECOND SUBDIVISION", AS PER MAP FILED JANUARY 7, 1908, IN BOOK "C" OF MAPS, PAGE 34, CITY OF ROSEVILLE, PLACER COUNTY, CALIFORNIA

DECEMBER 2021



OWNER/SUBDIVIDER:
 ALLSTATE RENOVATIONS, INC., A
 KANSAS COSPORTATION
 7500 W151ST STREET, #24347
 OVERLAND PARK, KS 66283

SERVICES:
 WATER: CITY
 SEWER: CITY
 DRAINAGE: CITY
 GAS: PGE
 POWER: CITY

ENGINEER/SURVEYOR:
 CONTI & ASSOCIATES, INC.
 ANTONIO CONTI, PE 62009, PLS 8199
 971 N COVENANT VIEW WAY
 EAGLE, ID 83616
 PH: 209.712.7011
 EMAIL: ACONTI@CONTIENG.COM

BENCHMARK — TBM:
 TOP OF WATER METER BOX.
 EL: 145.03 ASSUMED DATUM

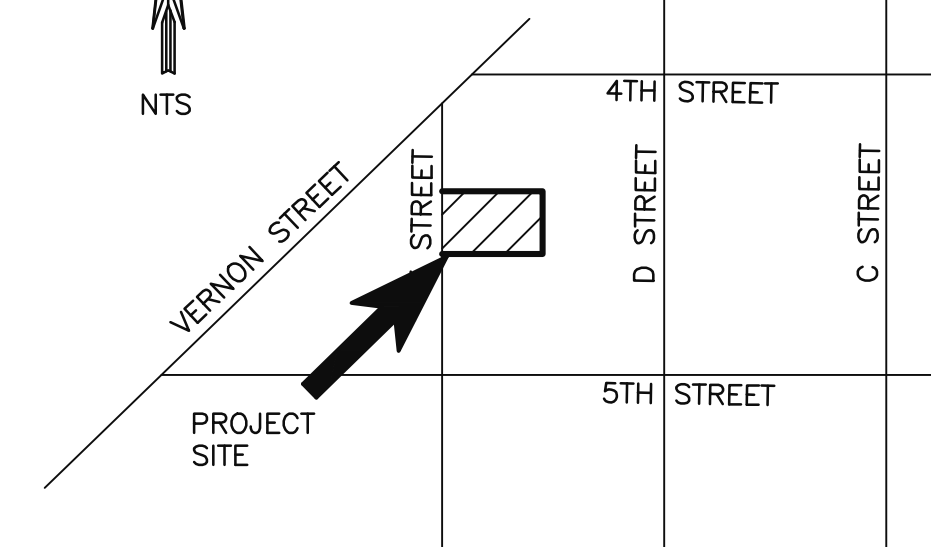
PROPERTY INFORMATION:
 121 E STREET
 ROSEVILLE, CA 95678
 APN: 014-042-020
 EXISTING ZONING: R2 — TWO FAMILY RESIDENTIAL
 PROPOSED ZONING: R2 — TWO FAMILY RESIDENTIAL
 FLOOD INFORMATION: ZONE X
 PARCEL: 16,480 Sq.Ft.
 NO. OF LOTS: 2
 LOT SIZES: 7,725 Sq.Ft.

TREE NOTE:
 FIVE (5) TREES WILL BE REMOVED WITH THIS PROJECT

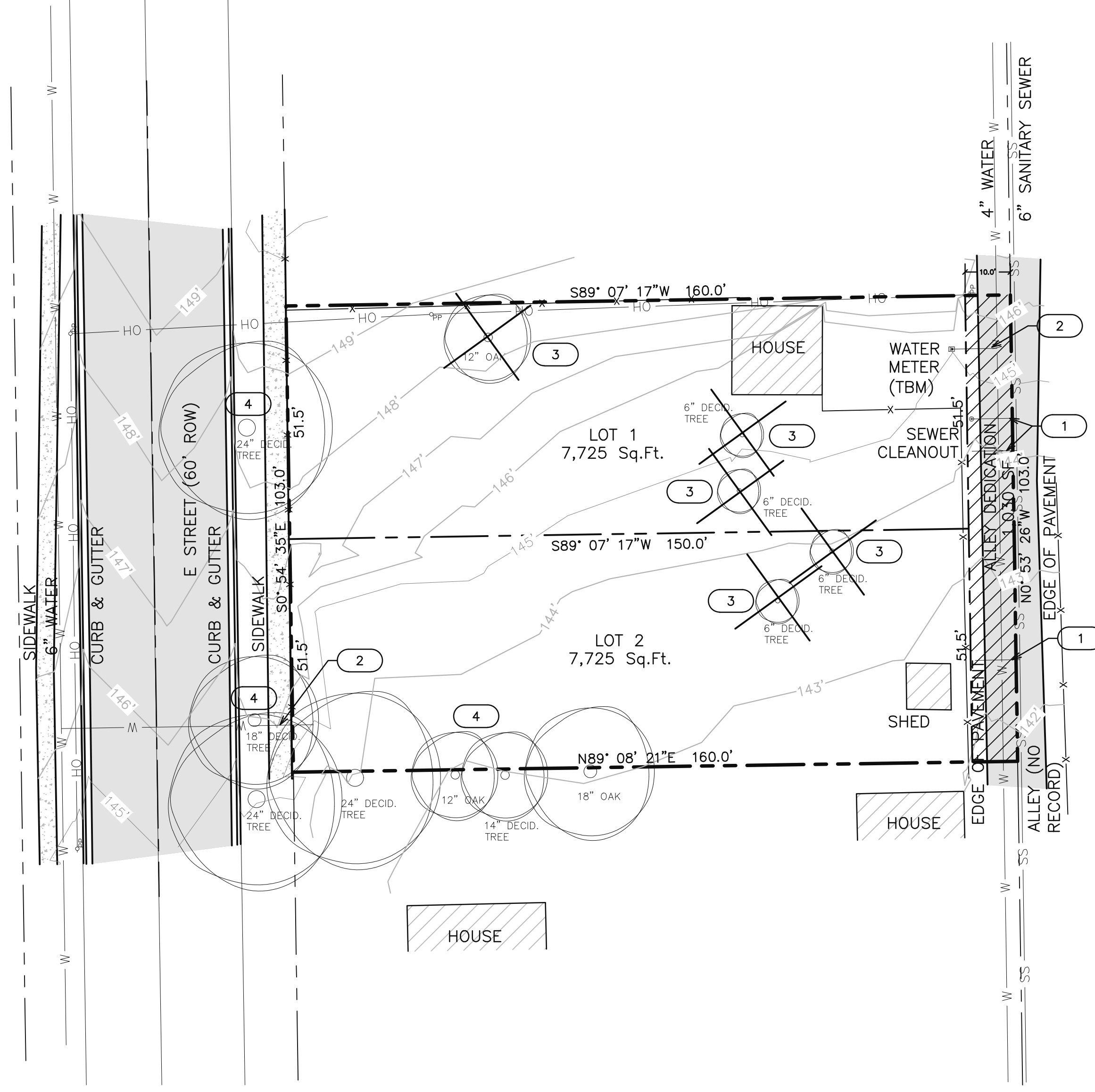
EASEMENT DISCLOSURE:
 ALL KNOWN EASEMENT AS SHOWN IN
 PRELIMINARY TITLE REPORT No.
 154802-000343 DATED MAY 25, 2021,
 HAVE BEEN PLOTTED AND ACCOUNTED FOR.

LEGEND:

- EXISTING PARCEL BOUNDARY
- EXISTING FENCE LINES
- PROPOSED LOT LINES
- SEWER LINE
- WATER LINE
- OVERHEAD POWER LINES
- EXISTING TREE — SIZE AS SHOWN



VICINITY MAP

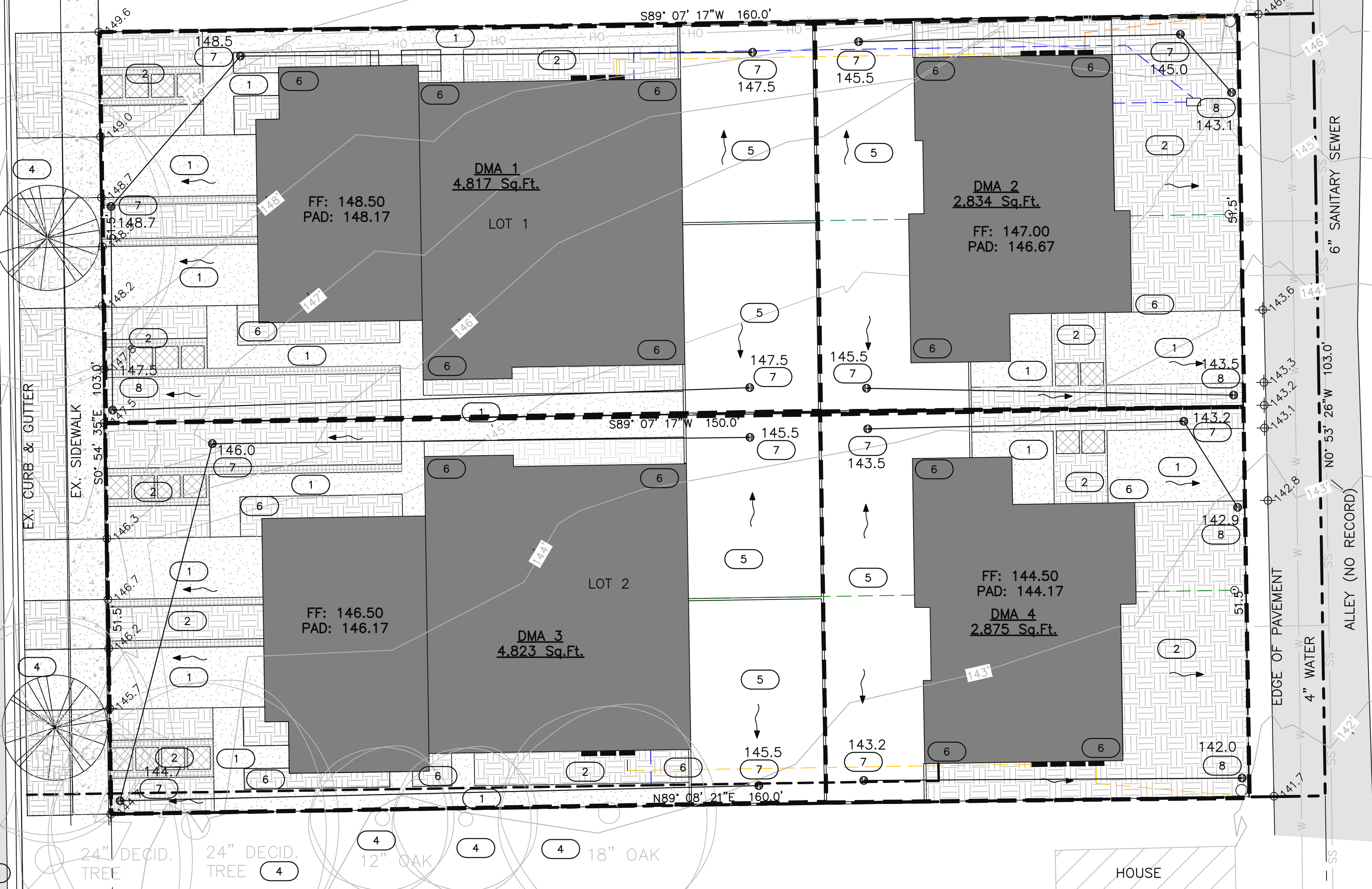
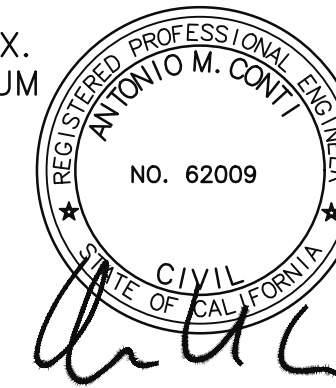


PRELIMINARY GRADING AND DRAINAGE PLAN

CALLOUT:

- 1 CONCRETE DRIVEWAY/WALKWAY
- 2 LANDSCAPED AREA - TYP
- 3 PROPOSED BUILDINGS
- 4 PROTECT EXISTING TREE
- 5 BACKYARD
- 6 DISCONNECTED ROOF DRAINS
- 7 6-INCH AREA DRAIN. RIM AS SHOWN
- 8 6-INCH BUBBLER. RIM AS SHOWN

BENCHMARK - TBM:
TOP OF WATER METER BOX.
EL: 145.03 ASSUMED DATUM



24" DECID. TREE 24" DECID. TREE 12" OAK 18" OAK

HOUSE

A RESIDENTIAL NEW CONSTRUCTION PROJECT FOR:

117, 117 A, 117 B, & 119 E STREET ROSEVILLE, CA

SCOPE OF WORK:

- CONSTRUCT TWO NEW DUPLEX BUILDINGS.
1ST FLOOR: 1,578 S.F. (789 S.F. PER UNIT)
2ND FLOOR: 1,572 S.F. (786 S.F. PER UNIT)
TOTAL: 3,150 S.F. (1,575 S.F. PER UNIT)
2 GARAGES: 599 S.F.
 - CONSTRUCT TWO NEW DETACHED ADUS. EACH ADU TO BE 999 S.F. (\$2,000 PER MONTH FOR RENT)
 - EACH DUPLEX SHALL HAVE ONE 500 S.F. JR. ACCESSORY DWELLING UNIT (ADU).
 - EACH DUPLEX SHALL HAVE 167 S.F. OF UNCONDITIONED STORAGE SPACE.
- UTILITY NOTES:

SHEET INDEX:

- WATER LINE
- SEWER LINE
- (N) BUILDING
- (N) CONCRETE
- LANDSCAPE AREA
- PLOT PLAN LEGEND
1/4" = 1'-0"
- POWER LINE
- (N) STEP STONES
- (N) ELECTRICAL PANEL
- (N) GRAVEL

PROJECT DATA:

ADDRESS: 121 E STREET
ROSEVILLE, CA

APN: 014-042-020-000

JURISDICTION: CITY OF ROSEVILLE

FIRE SPRINKLERS: YES

FOUNDATION: SLAB ON GRADE

ZONING: R-2

OCCUPANCY TYPE: R-2

CONSTRUCTION: TYPE V-B

CODES:

2019 CALIFORNIA BUILDING CODE
2019 CALIFORNIA ELECTRICAL CODE
2019 CALIFORNIA MECHANICAL CODE
2019 CALIFORNIA PLUMBING CODE
2019 CALIFORNIA ENERGY CODE
2019 CALGREEN CODE

PROJECT CONTACTS:

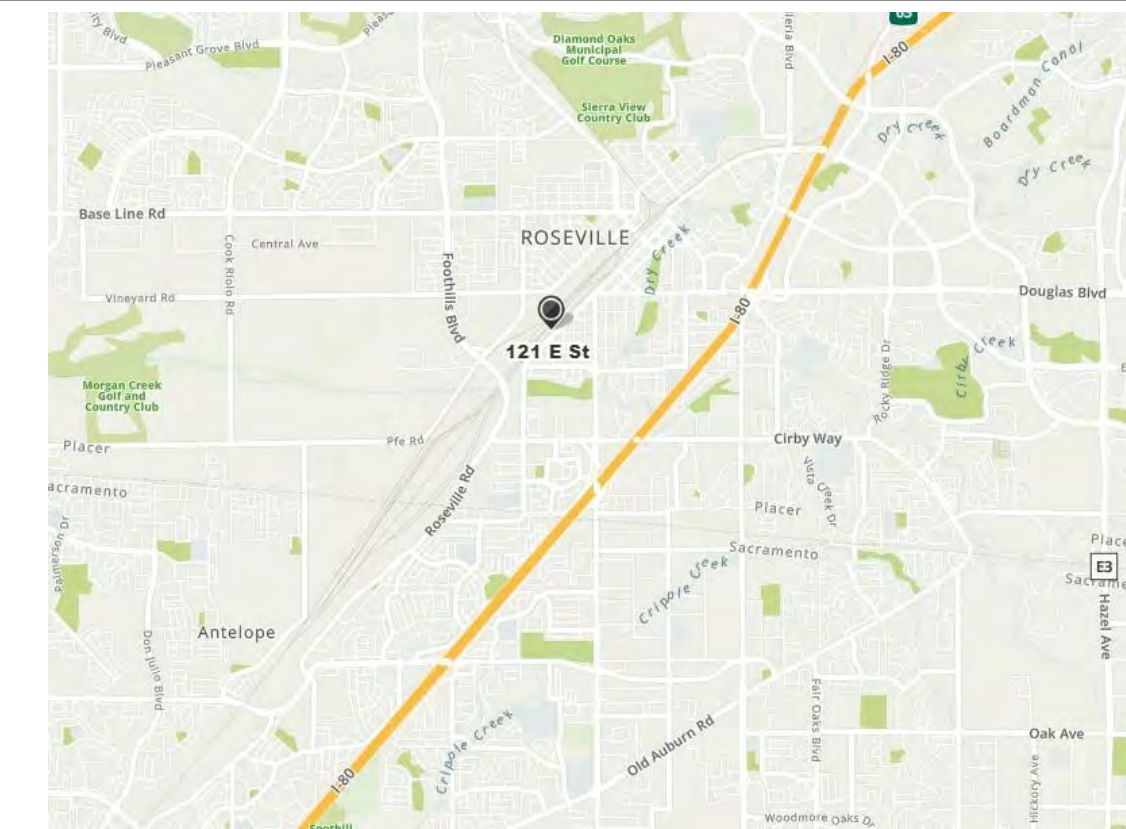
OWNER/CONTRACTOR: ALLSTATE RENOVATIONS INC

ARCHITECT: LAURA MILLER DESIGN
CONTACT: LAURA MILLER
889 EMBARCADERO DRIVE, STE 105
EL DORADO HILLS, CA 95762
916.607.3321

STRUCTURAL ENGINEER: CULLUMBER ENGINEERING
CONTACT: WESLEY CULLUMBER
6930 DESTINY DRIVE, STE 300
ROCKLIN, CA 95677

PV CONTRACTOR: LOTUS ENERGY
PO BOX 15
COLAMA, CA 95611
530.490.8501

VICINITY MAP:



PLOT PLAN NOTES:

LOT COVERAGE CALCULATIONS:

LOT 1
7,725 S.F. X 40% = 3,090 S.F. ALLOWABLE
PROPOSED COVERAGE: 2,019 S.F.

LOT 2
7,725 S.F. X 40% = 3,090 S.F. ALLOWABLE
PROPOSED COVERAGE: 2,019 S.F.

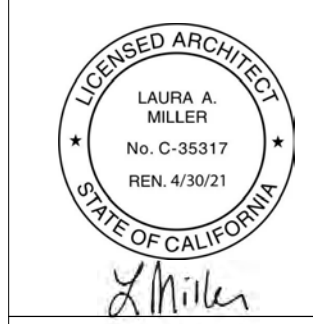
SHEET INDEX	
Sheet Number	Sheet Name
A - 0.0	TITLE SHEET
A - 0.1	CALGREEN CHECKLIST
A - 0.2	CALGREEN CHECKLIST CONT.
A - 1.0	1ST FLOOR PLAN
A - 1.1	2ND FLOOR PLAN
A - 1.2	EXTERIOR ELEVATIONS
A - 1.3	ROOF PLAN
A - 2.0	ADU FIRST FLOOR PLAN
A - 2.1	ADU ELEVATIONS
A - 2.2	ADU ROOF PLAN
A - 3.0	POWER PLAN
A - 4.0	SCHEDULES
L1.00	LANDSCAPE SCHEDULE & NOTES
L1.01	LANDSCAPE PLANS
L1.11	PLOTTING DETAILS

GENERAL NOTES:

- THE INFORMATION ON THIS SET OF CONSTRUCTION DOCUMENTS IS RELATED TO THE BASIC DESIGN INTENT OF THE PROJECT. THEY ARE INTENDED AS A CONSTRUCTION AID, NOT A SUBSTITUTE FOR GENERALLY ACCEPTED GOOD BUILDING PRACTICES AND COMPLIANCE WITH CURRENT CALIFORNIA STATE BUILDING CODES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING STANDARD CONSTRUCTION DETAILS AND PROCEDURES TO ENSURE A PROFESSIONALLY FINISHED, STRUCTURALLY SOUND, AND WEATHERPROOF COMPLETED PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK AND CONSTRUCTION MEETS ALL CURRENT FEDERAL, STATE, COUNTY, AND LOCAL CODES, ORDINANCES, REGULATIONS, ETC. THESE CODES ARE TO BE CONSIDERED PART OF THE SPECIFICATIONS FOR THIS BUILDING AND SHOULD BE ADHERED TO EVEN IF THEY ARE IN VARIANCE OF THE PLAN.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DRAWING (DO NOT SCALE DRAWING.)
- THE ARCHITECT HAS NOT BEEN ENGAGED FOR CONSTANT CONSTRUCTION SUPERVISION AND ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION COORDINATING WITH THESE PLANS, NOR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THERE ARE NO WARRANTIES FOR A SPECIFIC USE EXPRESSED OR IMPLIED IN THE USE OF THESE PLANS.

PLOT PLAN NOTES:

- IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM THE BUILDING.
 - GRADE SHALL FALL A MINIMUM OF 6" IN THE FIRST 10 FEET AWAY FROM NEW FOUNDATION WALLS WHERE THERE IS NO PAVING PER CRC 401.3. WHERE DISTANCE IS LESS THAN 10' WATER SHALL SLOPE AWAY FROM FOUNDATION
 - WHERE EAVE IS WITHIN 2 AND 5 FT OF PL PROVIDE SOLID EAVE BLOCKING ON THIS SIDE WITHOUT VENTILATION OPENINGS
- ROSEVILLE MUNICIPAL CODE SECTION 19.60.030 & 19.60.040:
- MINIMUM LOT AREA: 5,000 S.F.
PROPOSED: 7,725 S.F.
- SETBACKS: 5' SIDE SETBACKS
14' 6" FRONT SETBACK
29' 9" SEPARATION BETWEEN PRIMARY AND DETACHED UNIT
- MINIMUM FACILITIES: THE SECOND DWELLING UNIT SHALL INCLUDE PERMANENT PROVISIONS FOR INDEPENDENT LIVING, SLEEPING, EATING, COOKING AND SANITATION WITHIN THE UNIT.
- FEES: THE OWNER SHALL PAY TO THE CITY ALL APPLICABLE FEES AT THE TIME THE BUILDING PERMIT IS OBTAINED FOR THE SECOND LIVING UNIT
- APPEARANCE: THE UNIT SHALL BE DESIGNED AND CONSTRUCTED SO AS TO BE COMPATIBLE WITH THE EXISTING NEIGHBORHOOD IN TERMS OF HEIGHT, FORM, AND MATERIALS AND THE UNIT SHALL BE SUBORDINATE TO THE PRIMARY RESIDENCE.
- PARKING REQUIREMENTS: EACH ONE (1) BEDROOM OR STUDIO SECOND UNIT SHALL PROVIDE AT LEAST ONE (1) OFF-STREET PARKING SPACE.
- EFFECTIVE DATE: THE SECOND DWELLING UNIT CLEARANCE SHALL BE VALID FOR A PERIOD OF TWO YEARS FROM DATE OF PLANNING DIVISION CONFIRMATION OF COMPLIANCE WITH THE ABOVE DESIGN AND DEVELOPMENT STANDARDS.



117, 117 A, 117 B & 119 E STREET
ROSEVILLE, CA

No.	Date	PC	Description
1	OCT 20	PC	REV 1

Sheet Name:
TITLE SHEET

Scale:
As indicated

Date:
JAN 2021

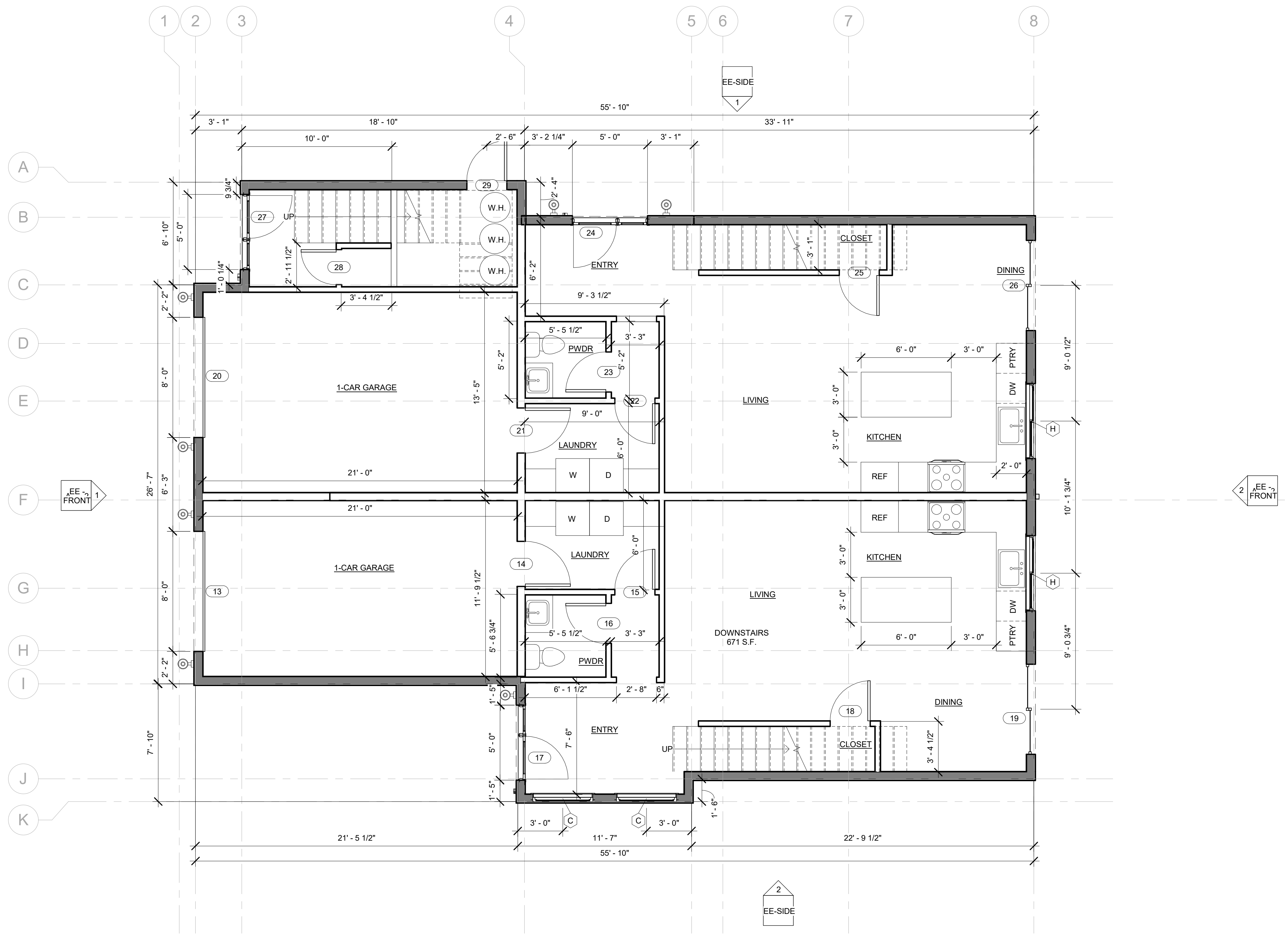
Drawn By:
LM

Approved By:
OWNERS

Sheet Number:

A - 0.0

117, 117 A, 117 B & 119 E STREET
 ROSEVILLE, CA



NOTE: FLOOR PLAN IS MIRRORED ON 123 E STREET LOT

1 121 E STREET 1ST FLOOR PLAN
 1/4" = 1'-0"

No.	Date	Description

Sheet Name:
1ST FLOOR PLAN

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

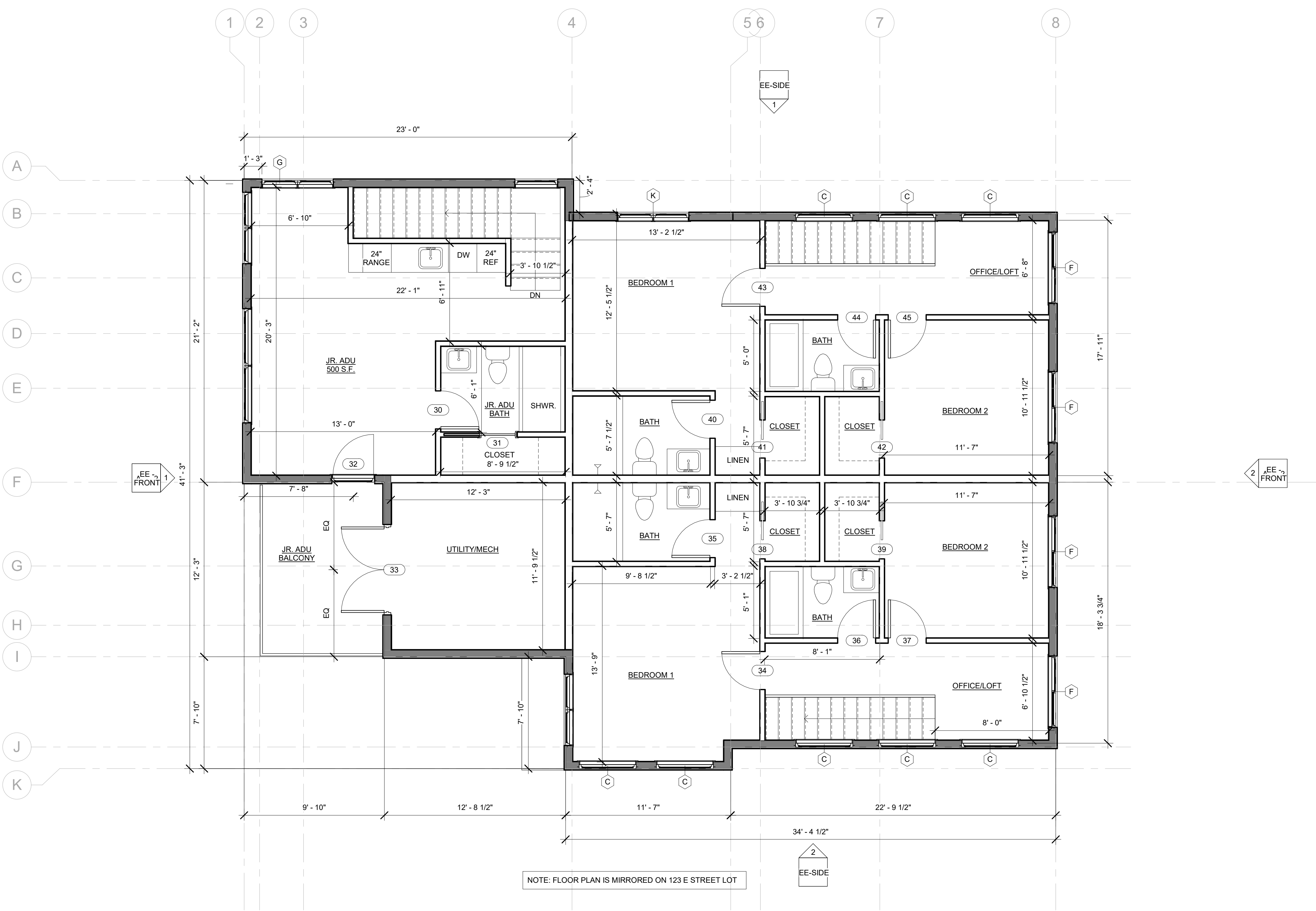
Date:
JAN 2021

Drawn By:
LM

Approved By:
OWNERS

Sheet Number:

117, 117 A, 117 B & 119 E STREET
ROSEVILLE, CA



NOTE: FLOOR PLAN IS MIRRORRED ON 123 E STREET LOT

1 121 E STREET 2ND FLOOR PLAN
1/4" = 1'-0"

No.	Date	Description

Sheet Name:
2ND FLOOR PLAN

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

Date:
JAN 2021

Drawn By:
LM

Approved By:
OWNERS

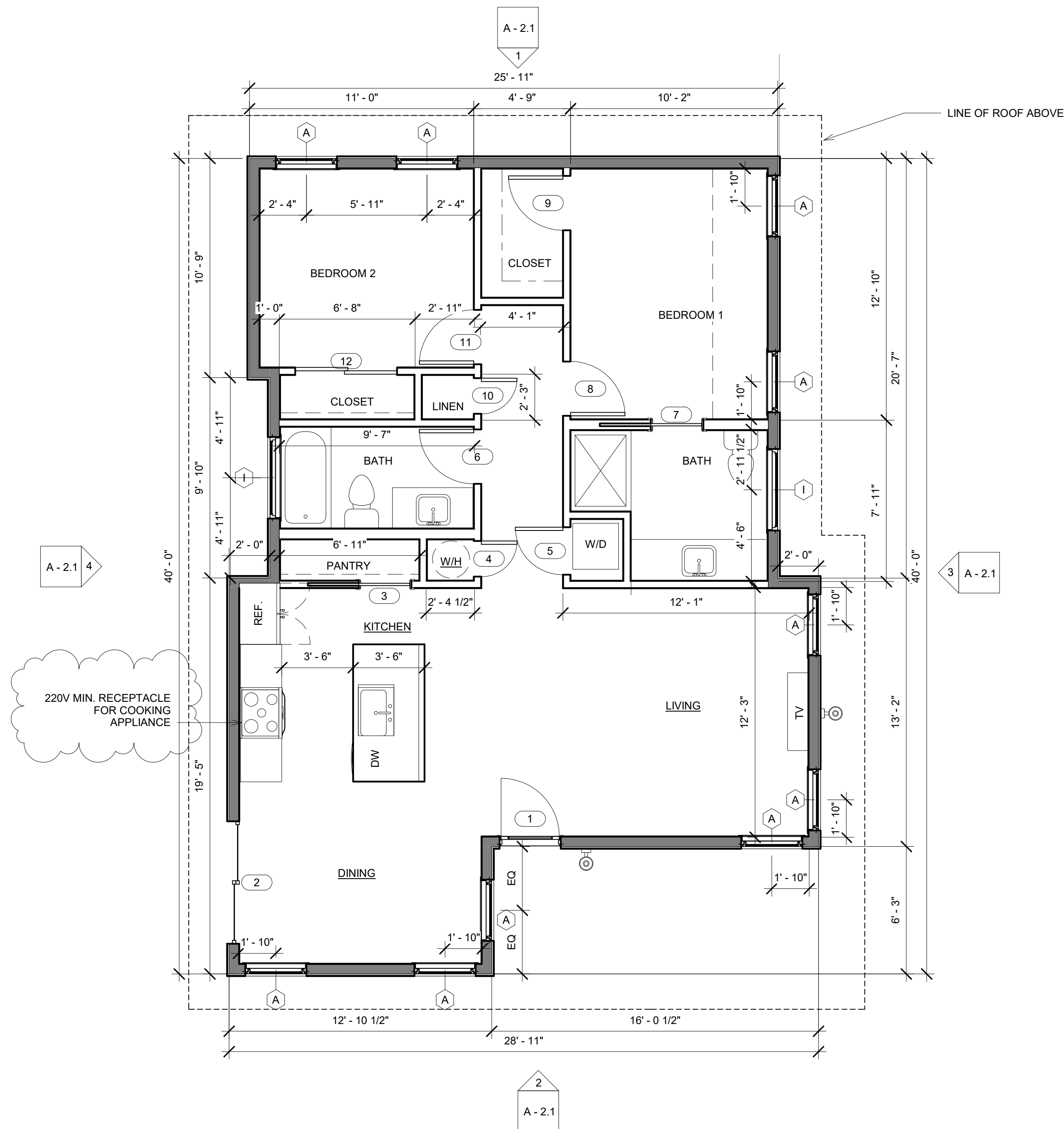
Sheet Number:

- (N) 2X4 INTERIOR WALL. GYP. BOARD BOTH SIDES.
- (N) 2X6 EXTERIOR WALL. STUCCO EXTERIOR, GYP. BOARD INTERIOR
- (N) 2X6 EXTERIOR WALL. HARDIE LAP SIDING EXTERIOR, GYP. BOARD INTERIOR.
NOTE: HARDIE LAP SIDING IS A NON-COMBUSTIBLE SIDING MATERIAL AND COMPLIES WITH THE REQUIREMENTS OF R337.7.3

○ WALL LEGEND
1/4" = 1'-0"

NOTES:

CONTRACTOR TO COMPLY WITH 1/4":12" SLOPE REQUIREMENTS FOR ALL WASTE LINES. (N) WATER LINES SHALL COMPLY WITH CPC CHAPTER 6. TYPICAL FOR ALL BATHROOMS AND KITCHENS



NOTE: FLOOR PLAN IS MIRRORED ON 123 E STREET LOT

1 ADU 1ST FLOOR PLAN
1/4" = 1'-0"


LAURA MILLER
 DESIGN
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 Phone: 916.621.5531
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 Web: lauramiller-design.com
 Mailing: PO Box 45116
 El Dorado Hills, Ca 95762


 LICENSED ARCHITECT
 LAURA A. MILLER
 No. C-35317
 REN. 4/30/21
 STATE OF CALIFORNIA

117, 117 A, 117 B & 119 E STREET
 ROSEVILLE, CA

No.	Date	Description
1	OCT 20	PC REV 1

Sheet Name:
ADU FIRST FLOOR PLAN

Scale:
 1/4" = 1'-0"
 Date:
 JAN 2021
 Drawn By:
 Author
 Approved By:
 Designer
 Sheet Number:

A - 2.0



FRONT ELEVATION
1/8" SCALE



REAR ELEVATION
1/8" SCALE

1. FASCIA

COLOR: PEPPERCORN

2. HARDIE LAP SIDING

COLOR 1: GRIZZLE GRAY

3. STUCCO

COLOR: DRIFT OF MIST

4. STEEL GARAGE DOOR

COLOR: CYPRESS

5. METAL SCONCE

COLOR: BLACK

6. METAL RAILING

COLOR: BLACK

7. METAL AWNING

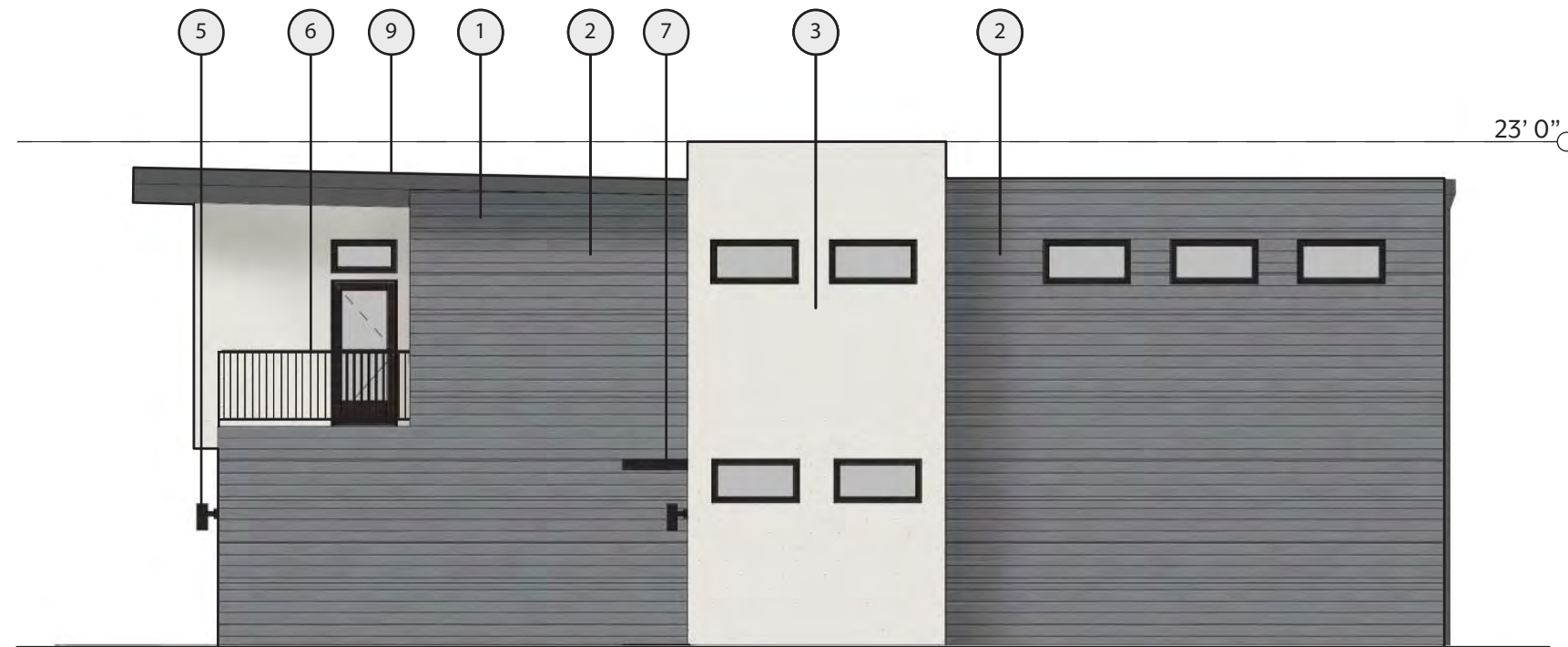
COLOR: BLACK

8. CLEAR CEDAR

9. TPO ROOFING



SIDE (NORTH) ELEVATION
1/8" SCALE



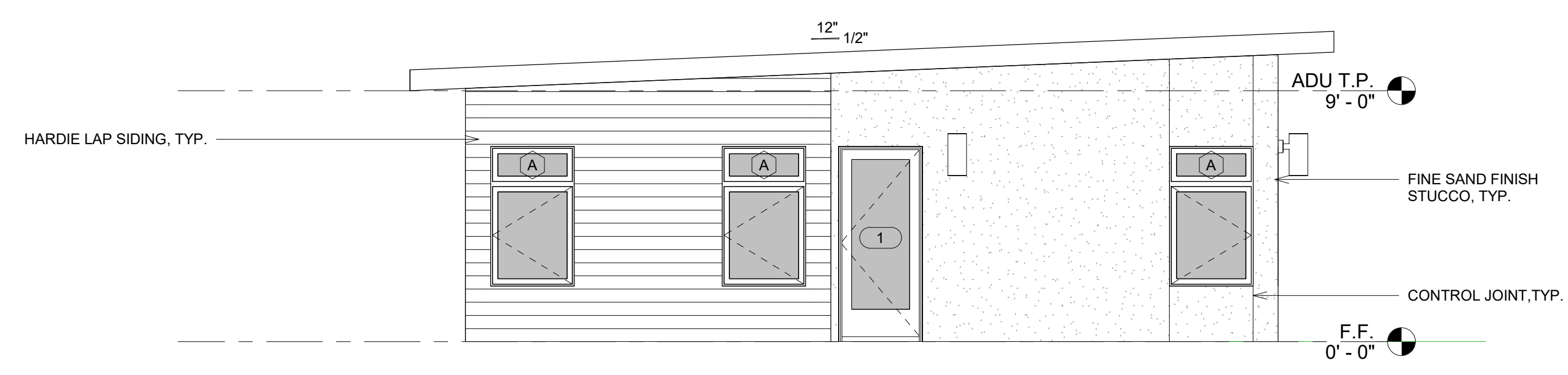
SIDE (SOUTH) ELEVATION
1/8" SCALE

- | | | | | |
|---|--|--|---|--|
| 1. FASCIA
COLOR: PEPPERCORN | 2. HARDIE LAP SIDING
COLOR 1: GRIZZLE GRAY | 3. STUCCO
COLOR: DRIFT OF MIST | 4. STEEL GARAGE DOOR
COLOR: CYPRESS | 5. METAL SCONCE
COLOR: BLACK |
| 6. METAL RAILING
COLOR: BLACK | 7. METAL AWNING
COLOR: BLACK | 8. CLEAR CEDAR | 9. TPO ROOFING | |

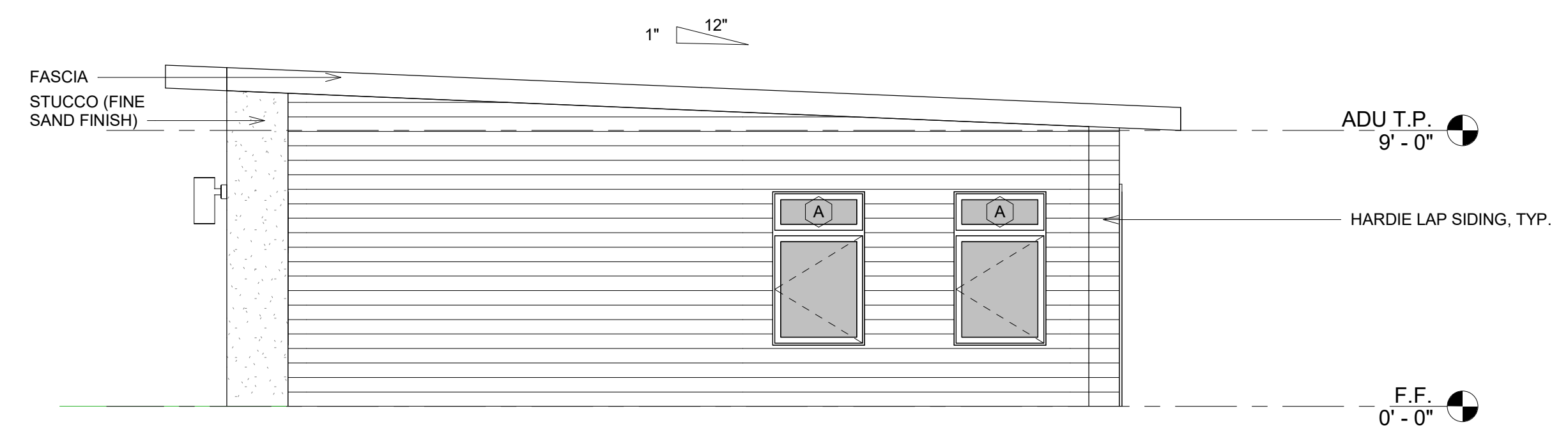
121 E STREET
STREETSCAPE RENDERINGS



LAURA MILLER
DESIGN
architecture + interiors



② ADU SOUTH SIDE ELEVATION
1/4" = 1'-0"



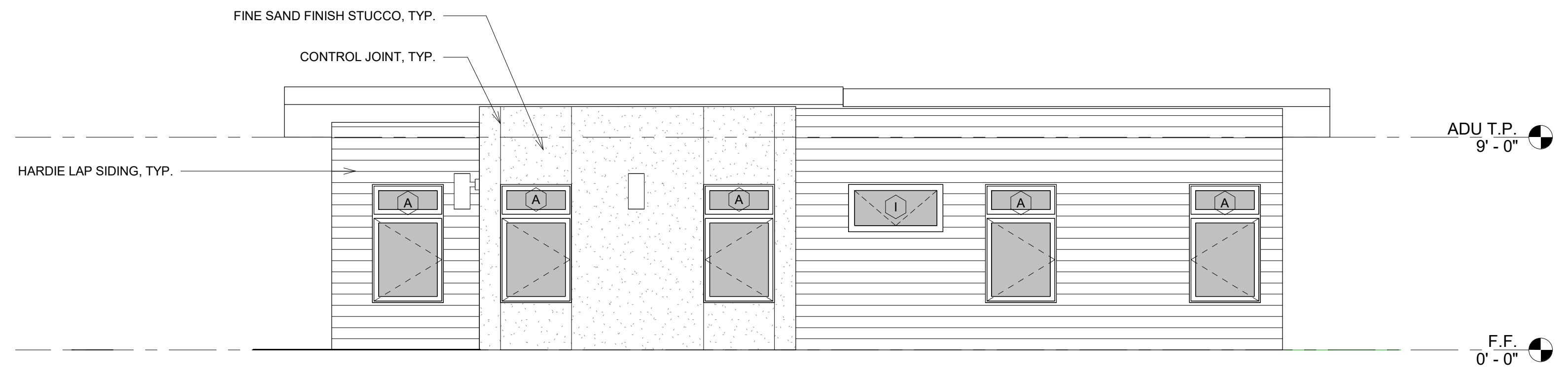
① ADU NORTH SIDE ELEVATION
1/4" = 1'-0"

ADDRESS NOTES:

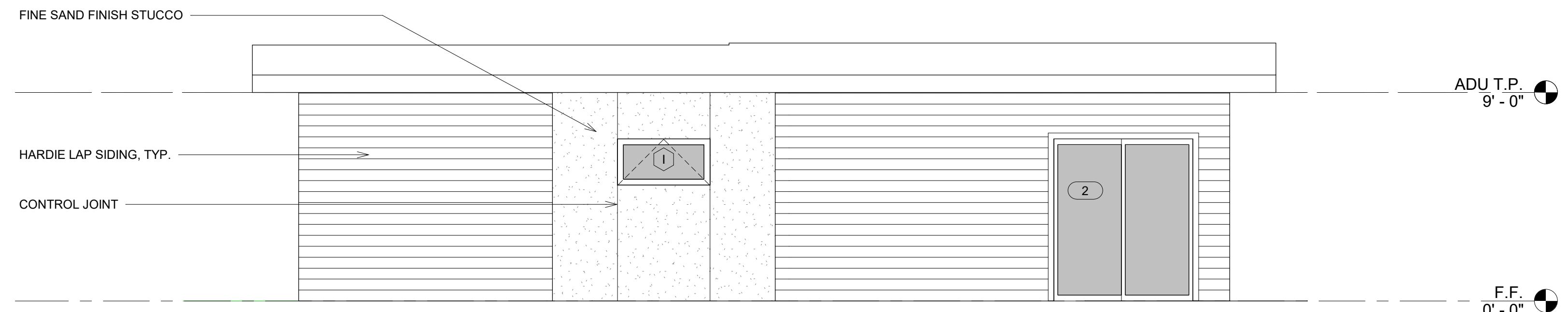
- APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED FOR NEW BUILDINGS IN SUCH A POSITION AS TO BE CLEARLY VISIBLE AND LEGIBLE FROM THE STREET OR ROADWAY FRONTING THE PROPERTY. LETTERS OR NUMBERS SHALL BE A MINIMUM 4 INCHES IN HEIGHT AND STROKE OF MINIMUM 0.5 INCH OF A CONTRASTING COLOR TO THE BACKGROUND ITSELF. ADDRESSING SHALL BE ILLUMINATED AT NIGHT. REFERENCE CRC SEC. R319.1 AND THE CITY OF ROSEVILLE FIRE DEPARTMENT AMENDMENT 16.16.090.

LAP SIDING NOTES:

- FIBER-CEMENT LAP SIDING HAVING A MAXIMUM WIDTH OF 12 INCHES SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C1186, TYPE A, MINIMUM GRADE II OR ISO 8336, CATEGORY A, MINIMUM CLASS 2. LAP SIDING SHALL BE LAPPED A MINIMUM OF 1 1/4 INCHES (32 MM) AND LAP SIDING NOT HAVING TONGUE-AND-GROOVE END JOINTS SHALL HAVE THE ENDS PROTECTED WITH CAULKING, COVERED WITH AN H-SECTION JOINT COVER, LOCATED OVER A STRIP OF FLASHING, OR SHALL BE DESIGNED TO COMPLY WITH SECTION R703.1. LAP SIDING COURSES SHALL BE INSTALLED WITH THE FASTENER HEADS EXPOSED OR CONCEALED, IN ACCORDANCE WITH TABLE R703.3(1) OR APPROVED MANUFACTURER'S INSTRUCTIONS.



③ ADU FRONT ELEVATION
1/4" = 1'-0"



④ ADU REAR ELEVATION
1/4" = 1'-0"

No.	Date	Description

Sheet Name:
ADU
ELEVATIONS

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

Date:
JAN 2021

Drawn By:
Author

Approved By:
Designer

Sheet Number:



FRONT ELEVATION



REAR ELEVATION

1. HARDIE LAP SIDING
COLOR: GRIZZLE GRAY

2. STUCCO
DRIFT OF MIST

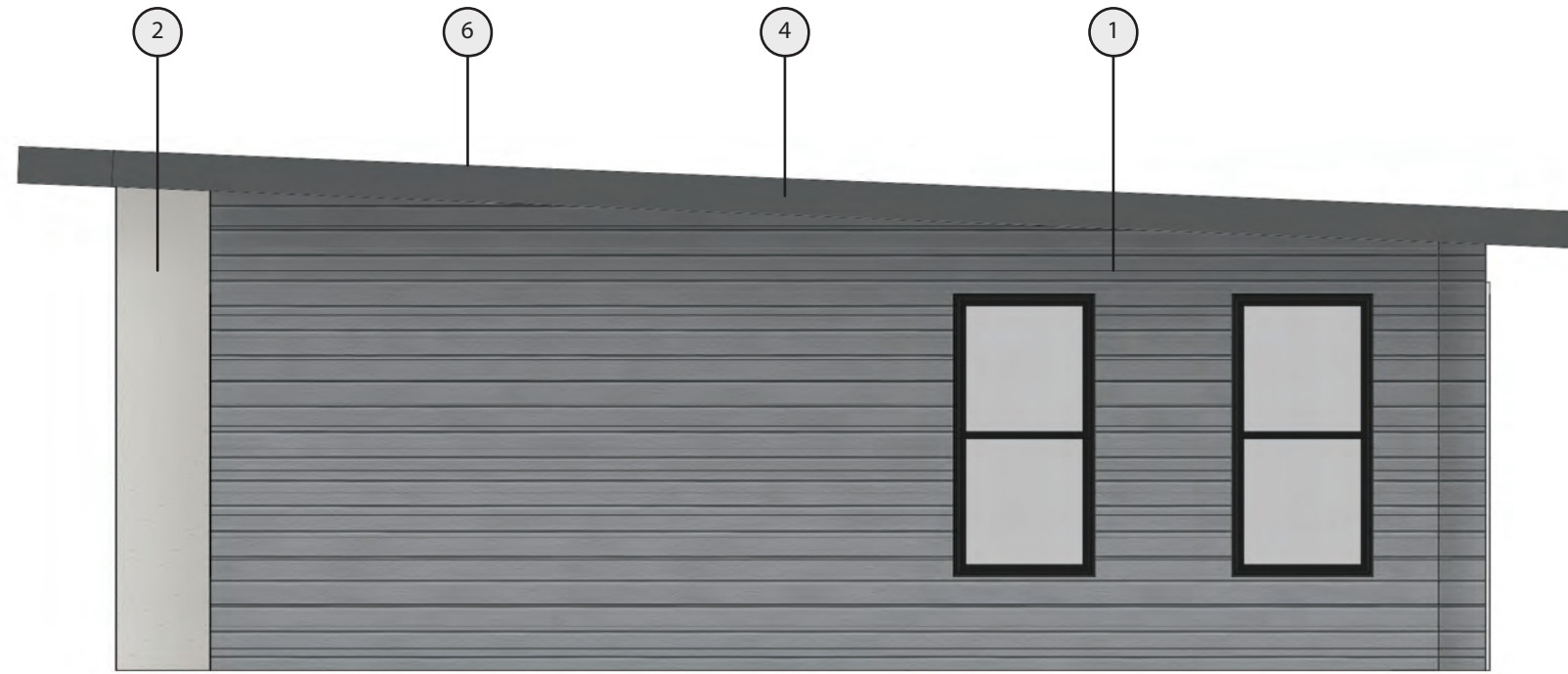
3. METAL SCONCE
COLOR: BLACK

4. FASCIA
COLOR: PEPPERCORN

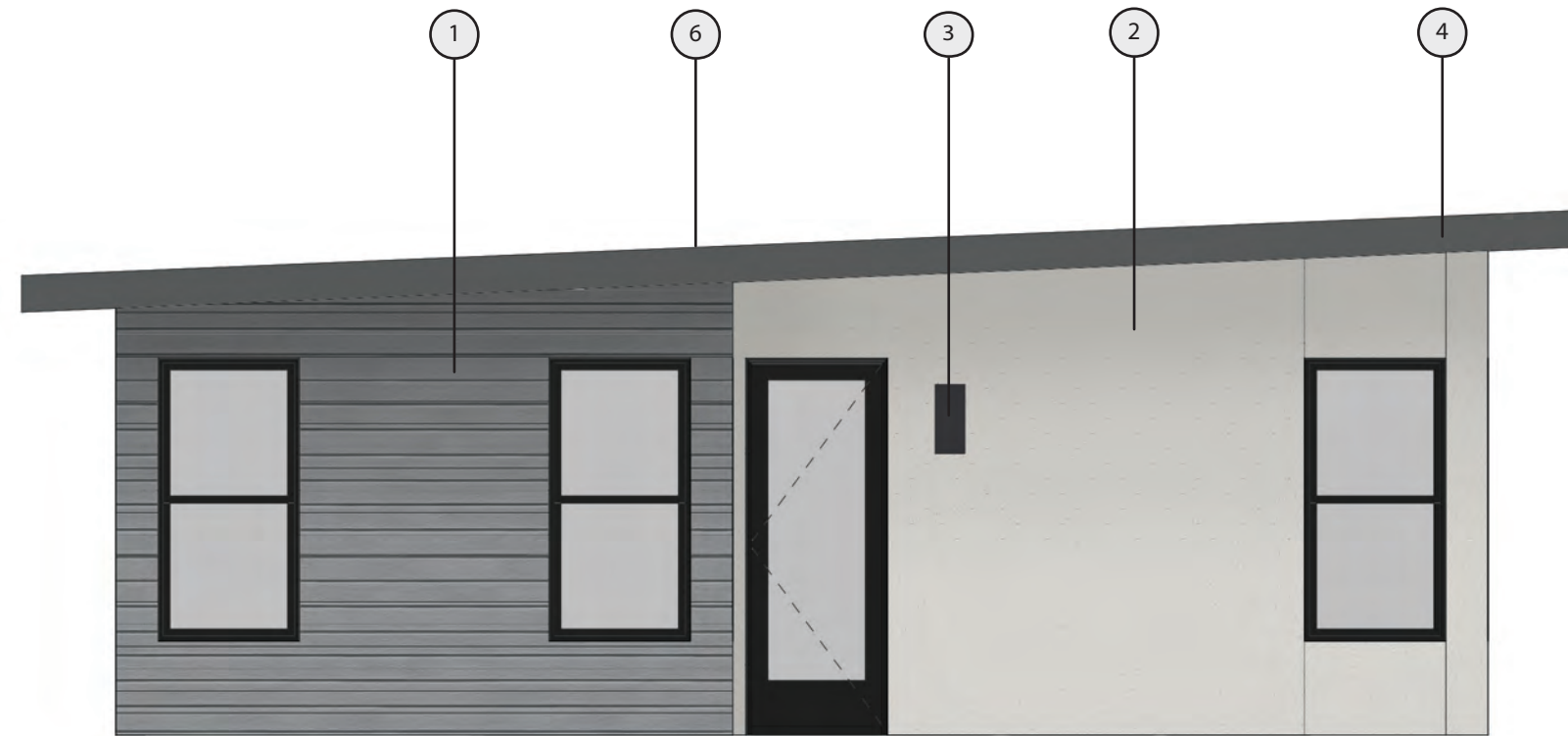
5. WOOD SOFFIT

6. TPO ROOFING





SIDE (NORTH) ELEVATION



SIDE (SOUTH) ELEVATION

1. HARDIE LAP SIDING
COLOR: GRIZZLE GRAY

2. STUCCO
DRIFT OF MIST

3. METAL SCONCE
COLOR: BLACK

4. FASCIA
COLOR: PEPPERCORN

5. WOOD SOFFIT

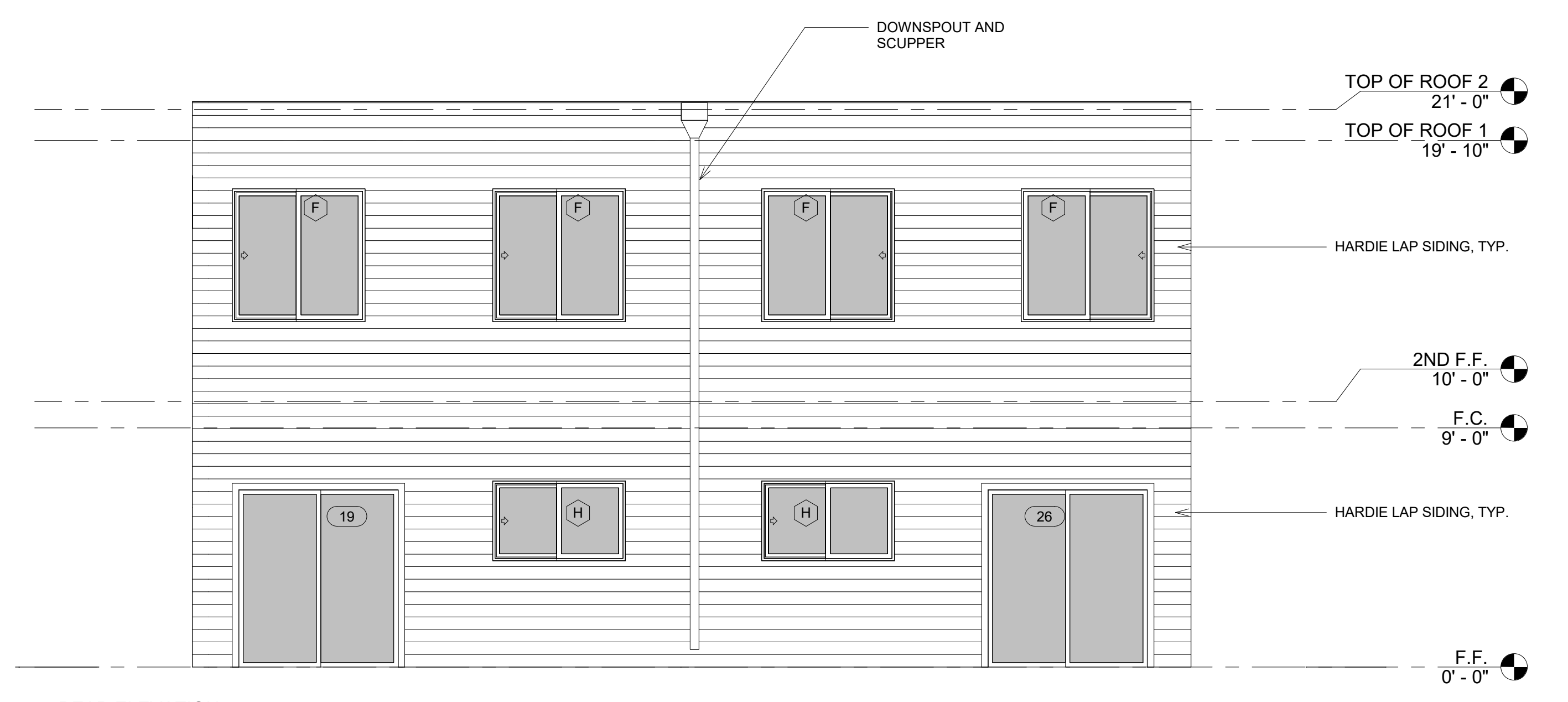
6. TPO ROOFING







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



2 REAR ELEVATION
1/4" = 1'-0"



3 SIDE (SOUTH) ELEVATION
1/4" = 1'-0"

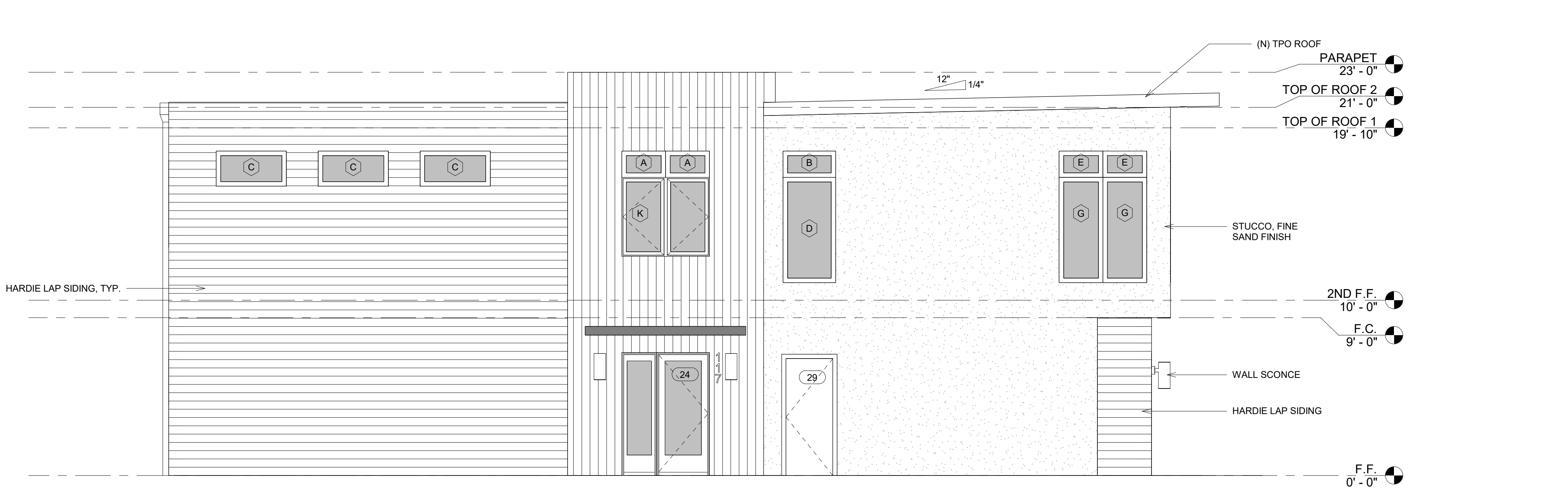
ADDRESS NOTES:

- APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED FOR NEW BUILDINGS IN SUCH A POSITION AS TO BE CLEARLY VISIBLE AND LEGIBLE FROM THE STREET OR ROADWAY FRONTING THE PROPERTY. LETTERS OR NUMBERS SHALL BE A MINIMUM 4 INCHES IN HEIGHT AND STROKE OF MINIMUM 0.5 INCH OF A CONTRASTING COLOR TO THE BACKGROUND ITSELF. ADDRESSING SHALL BE ILLUMINATED AT NIGHT. REFERENCE CRC SEC. R319.1 AND THE CITY OF ROSEVILLE FIRE DEPARTMENT AMENDMENT 16.16.090.

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WINDOW SCHEDULE					
Type Mark	Width	Height	Sill Height	Operation	Count
A	2' - 6"	1' - 6"	7' - 0"	FIXED	2
B	3' - 0"	1' - 6"	7' - 0"	FIXED	2
C	4' - 0"	2' - 0"	6' - 6"	FIXED	10
D	3' - 0"	6' - 0"	1' - 0"	FIXED	1
E	2' - 6"	1' - 6"		FIXED	4
F	5' - 0"	5' - 0"	3' - 0"	SLIDER	4
G	2' - 6"	6' - 0"	1' - 0"	FIXED	4
H	5' - 0"	3' - 0"	4' - 0"	SLIDER	2
I	4' - 0"	6' - 0"	1' - 0"	FIXED	2
J	4' - 0"	1' - 6"	7' - 0"	FIXED	2
K	5' - 0"	4' - 6"	2' - 6"	DOUBLE CASEMENT	2
Grand total:					35



4 SIDE (NORTH) ELEVATION
1/4" = 1'-0"

FIREBLOCKING NOTES:

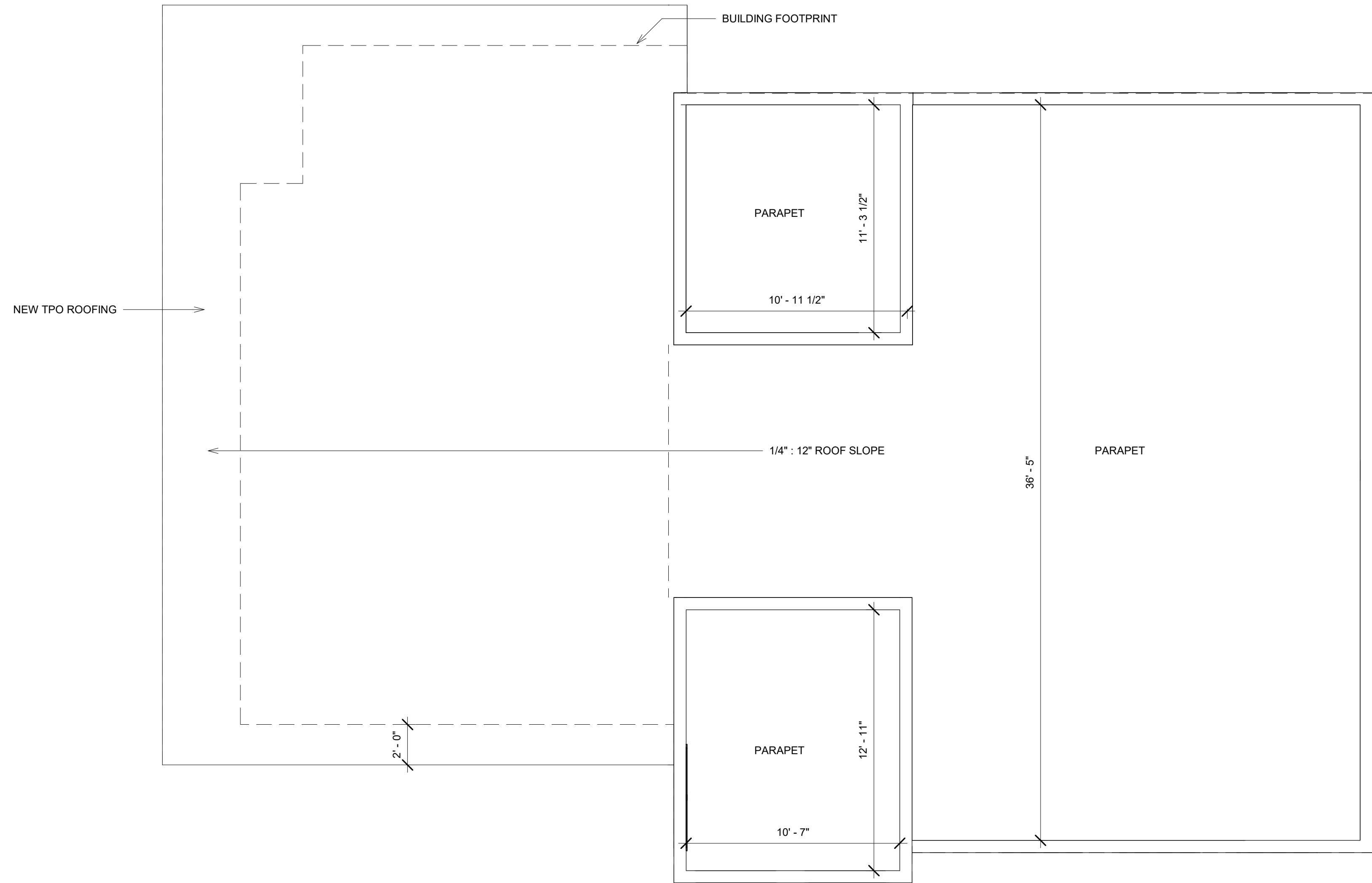
- FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAMED CONSTRUCTION IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
 1. VERTICALLY AT THE CEILING AND FLOOR LEVELS.
 2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET (3048 MM).
- AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION.
- FIREBLOCKING MATERIALS SHALL COMPLY WITH R302.11.1

ROOF PLAN NOTES:

- ROOFING MATERIAL TO BE THERMOPLASTIC POLYOLEFIN MEMBRANE ROOFING. THE INSTALLATION OF THERMOPLASTIC POLYOLEFIN ROOFING SHALL COMPLY WITH THE PROVISIONS OF CBC 1507.13

MECHANICAL NOTES:

- (N) FURNACE TO BE INSTALLED IN ATTIC SPACE ABV. BED 2
- AN APPROVED, INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT SHALL BE PROVIDED IN SIGHT OF THE EQUIPMENT SERVED WHEN THE SUPPLY VOLTAGE EXCEEDS 50 VOLTS.
- A DEDICATED CIRCUIT SHALL BE PROVIDED FOR THE FURNACE. [CEC 422.12]
- A 120-VOLT SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET OF, AND ON THE SAME LEVEL AS, THE EQUIPMENT FOR MAINTENANCE. THE SERVICE RECEPTACLE SHALL NOT BE CONNECTED ON THE LOAD SIDE OF THE REQUIRED MEANS OF DISCONNECT. [CMC 310.1]
- A PERMANENT SWITCH CONTROLLED LIGHTING FIXTURE FOR MAINTENANCE OF EQUIPMENT IS REQUIRED AND SHALL BE ACCESSIBLE. SUCH FIXTURE SHALL PROVIDE SUFFICIENT ILLUMINATION TO SAFELY APPROACH THE EQUIPMENT AND PERFORM THE TASKS FOR WHICH ACCESS IS PROVIDED. CONTROL OF THE LIGHTING SHALL BE PROVIDED AT THE ACCESS ENTRANCE. [CMC 904.10.4 AND CEC 210.70]
- COMBUSTION AIR MUST BE MAINTAINED PER CALIFORNIA MECHANICAL CODE.
- THE CLEAR SPACE AND DISTANCE TO COMBUSTIBLE MATERIALS AROUND THE FURNACE UNIT SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS (CMC 904.2(1))
- A SEDIMENT TRAP SHALL BE INSTALLED ON THE GAS LINE DOWNSTREAM OF THE APPLIANCE SHUT-OFF VALVE AND AS CLOSE TO INLET OF THE EQUIPMENT AS PRACTICAL. (CPC 1211.8)
- APPLIANCES GENERATING A GLOW, SPARK OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS MAY BE INSTALLED IN A GARAGE PROVIDED THE PILOTS AND BURNERS OR HEATING ELEMENTS AND SWITCHES ARE AT 18 INCHES ABOVE FLOOR LEVEL. [CMC 308.1]
EXCEPTION: SEALED COMBUSTION SYSTEM APPLIANCES MAY BE INSTALLED AT FLOOR LEVEL.
- THE FURNACE SHALL BE PROPERLY ANCHORED AND SUPPORTED TO SUSTAIN VERTICAL AND HORIZONTAL LOADS WITHIN THE STRESS LIMITATIONS SPECIFIED IN THE CALIFORNIA BUILDING CODE. [CMC 303.5]
- FURNACES LOCATED IN AN ATTIC AREA SHALL COMPLY WITH 1/A-1.2. ADDITIONALLY, IF THE ATTIC AND ROOF IS CONVENTIONALLY FRAMED, CEILING JOIST UNDER THE LOCATION OF THE FAU UNIT SHALL BE DOUBLED WITH A MINIMUM 2X6 JOISTS.
- SUPPORTS FOR RECTANGULAR DUCTS, WHEN SUSPENDED FROM ABOVE, SHALL BE INSTALLED ON TWO OPPOSITE SIDES OF EACH DUCT AND SHALL BE RIVETED, BOLTED, OR METAL SCREWED TO EACH SIDE OF THE DUCT AT NOT MORE THAN THE INTERVALS SPECIFIED IN ANSIS/MACNA 006-2006 (CMC 604.2).
- SUPPORTS FOR ROUND DUCTS, WHEN SUSPENDED FROM ABOVE, SHALL BE SUPPORTED AT INTERVALS SPECIFIED IN ANSIS/MACNA 006-2006 AND SHALL COMPLY WITH THE FOLLOWING: (CMC 604.2)
 - DUCTS SHALL BE EQUIPPED WITH TIGHT-FITTING CIRCULAR BANDS EXTENDING AROUND THE ENTIRE PERIMETER OF THE DUCT.
 - CIRCULAR BANDS SHALL BE NOT LESS THAN 1 INCH WIDE NOR LESS THAN EQUIVALENT TO THE GAUGE OF THE DUCT MATERIAL, EXCEPT DUCTS 10 INCHES AND LESS IN DIAMETER MAY BE SUPPORTED BY NO. 18 GAUGE GALVANIZED STEEL WIRE.
 - EACH CIRCULAR BAND SHALL BE PROVIDED WITH A SUITABLE MEANS OF CONNECTING TO THE SUSPENDING SUPPORT.
 - DUCTS SHALL BE BRACED AND GUYED TO PREVENT LATERAL OR HORIZONTAL SWING.



③ ROOF PLAN
1/4" = 1'-0"

No.	Date	Description
1	OCT 20	PC REV 1

Sheet Name:
ROOF PLAN

Scale:
1/4" = 1'-0"
Date:
JAN 2021
Drawn By:
LM
Approved By:
OWNERS
Sheet Number:



117, 117 A, 117 B & 119 E STREET
ROSEVILLE, CA

No.	Date	Description

Sheet Name:
ADU ROOF
PLAN

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

Date:
JAN 2021

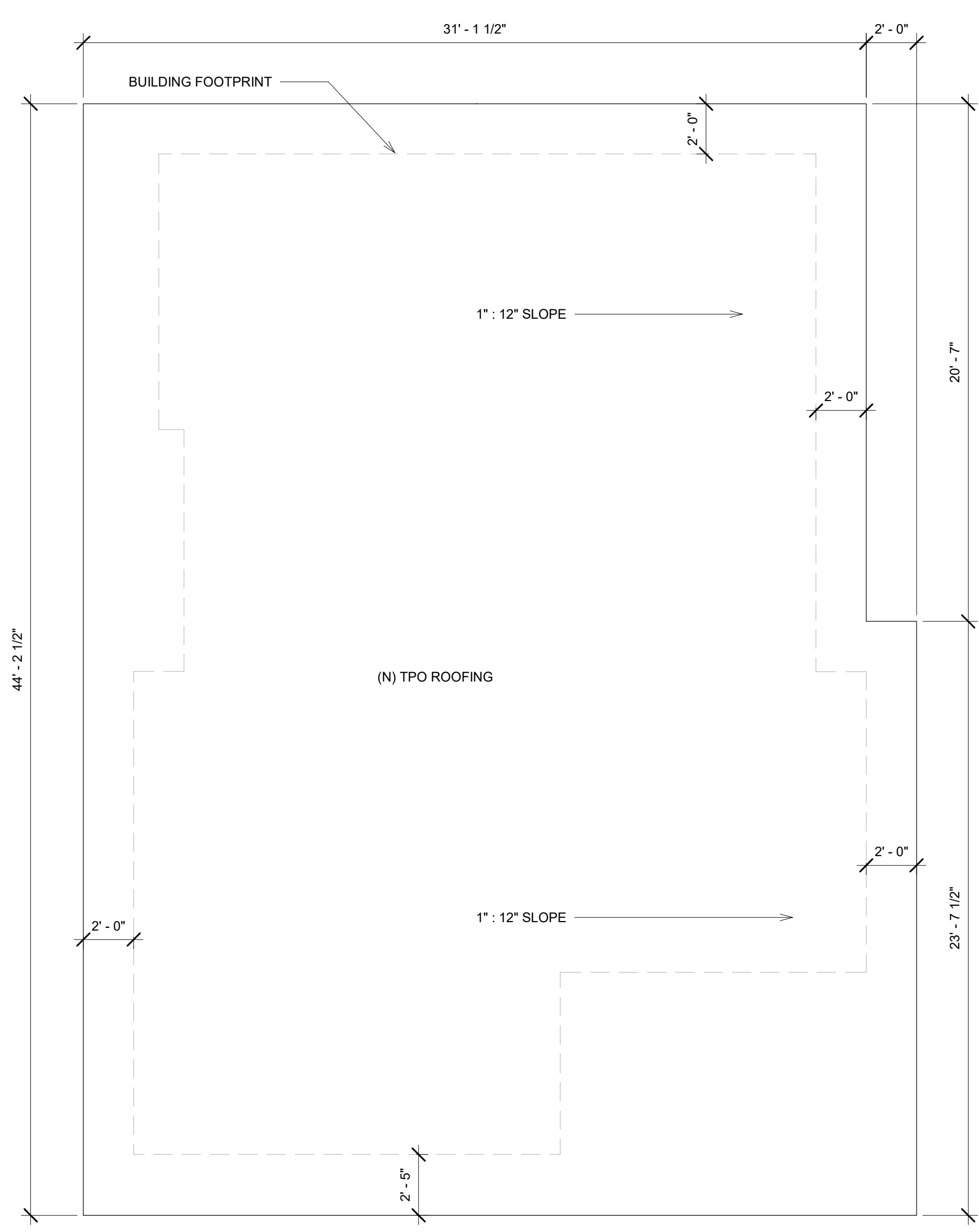
Drawn By:
Author

Approved By:
Designer

Sheet Number:

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① ADU ROOF PLAN
1/4" = 1'-0"

PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	UNITS	TOTAL QUANTITY	O.C. SPACING	WUCOLS REGION: 1	REMARKS
TREES								
	EXISTING TREE	EXISTING TREE	N/A	EA	2	AS SHOWN	L	
	CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	EA	5	AS SHOWN	L	MULTI
	PISTACIA CHINENSIS 'KIETH DAVEY'	CHINESE PISTACHE	24" BOX	EA	7	AS SHOWN	L	
	ZELKOVA SERATTA 'GREEN VASE'	JAPANESE ZELKOVA	24" BOX	EA	2	AS SHOWN	M	
SHRUBS AND GROUNDCOVERS								
	BULBINE FRUTESCENS 'HALLMARK ORANGE'	ORANGE STALKED BULBINE	1 GAL.	EA	54	3'-0" O.C.	L	
	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL.	EA	118	4'-0" O.C.	L	
	LOMONDRA LONGIFOLIA 'LITTLE LIME'	LITTLE LIME MAT RUSH	1 GAL.	EA	174	4'-0" O.C.	L	
	OLEA EUROPEA 'LITTLE OLLIE'	LITTLE OLLIE OLIVE	5 GAL.	EA	52	6'-0" O.C.	L	
	PHORMIUM TENAX 'SURFER'	NEW ZEALAND FLAX	5 GAL.	EA	16	5'-0" O.C.	L	
	PITTOSPORUM TOBRIA 'WHEELER'S DWARF'	JAPANESE MOCK ORANGE	5 GAL.	EA	66	4'-0" O.C.	M	
	PODOCARPUS MACROPHYLLUS 'MAKI'	SHRUBBY YEW PODOCARPUS	5 GAL.	EA	22	5'-0" O.C.	M	
SHRUBS AND GROUNDCOVERS								
	CAREX DIVULSA	EUROPEAN GREY SEDGE	1 GAL.	SF	520	3'-0" O.C.	L	
	MYOPORUM PARVIFOLIM	TRAILING MYOPORUM	1 GAL.	SF	425	3'-0" O.C.	L	
	SYNTHETIC TURF	SYNTHETIC TURF	N/A	SF	535	N/A	N/A	
	MULCH		N/A	SF	38,000	MULCH 2" THICK MINIMUM - MEDIUM BARK (ALL PLANTING AREAS AND LOCATION(S) PER THE OWNER)		

- ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING. TREES SHALL BE PROTECTED BY A 6' TALL CHAIN LINK FENCE MOUNTED ON STEEL POSTS, FIRMLY DRIVEN INTO GROUND OR STANCHIONS FASTENED SECURELY WITH REBAR STAPLES 12" DEEP. NATURAL AREAS SHALL BE PROTECTED BY A 6' TALL BRIGHT COLORED (USUALLY ORANGE), SYNTHETIC MESH MATERIAL FENCE OR CHAIN LINK FENCE.
- PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT AND REMOVED UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
- EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
- PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE). FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
 - ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST;
 - WOUNDS TO TRUNK, LIMBS OR EXPOSED ROOTS BY MECHANICAL EQUIPMENT;
 - OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
- EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED;
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN THE DRIP LINE OF A TREE, ERECT FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING) GRADE AREA SEPARATELY JUST PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE;
 - WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;
 - WHERE SEVERE SPACE CONSTRAINTS EXIST DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY ARBORIST OR LANDSCAPE ARCHITECT TO DISCUSS ALTERNATIVES.

SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.
- WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
- TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- UNDERGROUND FACILITIES AND TRENCHES, (ELEC. UTILITIES SERVICE, SANITARY SEWER, STORM DRAINAGE LINES) SHALL BE CONSOLIDATED, TO THE EXTENT FEASIBLE, AND LOCATED TO MINIMIZE IMPACT UPON TREE ROOT SYSTEMS. ANY TRENCHING REQUIRED WITHIN THE TREE DRIPLINE SHALL BE AS FAR FROM THE TREE TRUNK AS POSSIBLE AND SHALL BE EXCAVATED BY HAND OR PNEUMATIC EXCAVATOR TO MINIMIZE IMPACT TO ROOTS.
- ROOTS 3/4" OR GREATER IN SIZE ENCOUNTERED DURING TRENCHING SHALL BE CLEANLY HAND PRUNED TO REDUCE LOSS OF MOISTURE TO THE TREE. ROOTS GREATER THAN 1-1/2" SHALL BE PRESERVED AND PROTECTED. CARE SHALL BE TAKEN TO MINIMIZE ABRASIONS TO ROOT BARK.
- NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
- PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE MAY OCCUR (RIPPING OF BRANCHES, ETC.).
- THE CODE ENFORCEMENT OFFICER, CITY ENGINEER OR CITY INSPECTOR HAS THE AUTHORITY TO REQUIRE ADDITIONAL TREE PROTECTION BEFORE OR DURING CONSTRUCTION.
- DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NONCOMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.
- EXISTING TREES TO BE RETAINED AND PROTECTED AS INDICATED ON THE SITE PLAN.



LANDSCAPE ENTITLEMENTS

121 & 123 E ST
ROSEVILLE, CA 95687

Rev. No.	Date	Description

Scale:
Date: DECEMBER 2021
Drawn By: SM
Approved By:

LANDSCAPE SCHEDULE & NOTES

L1.00

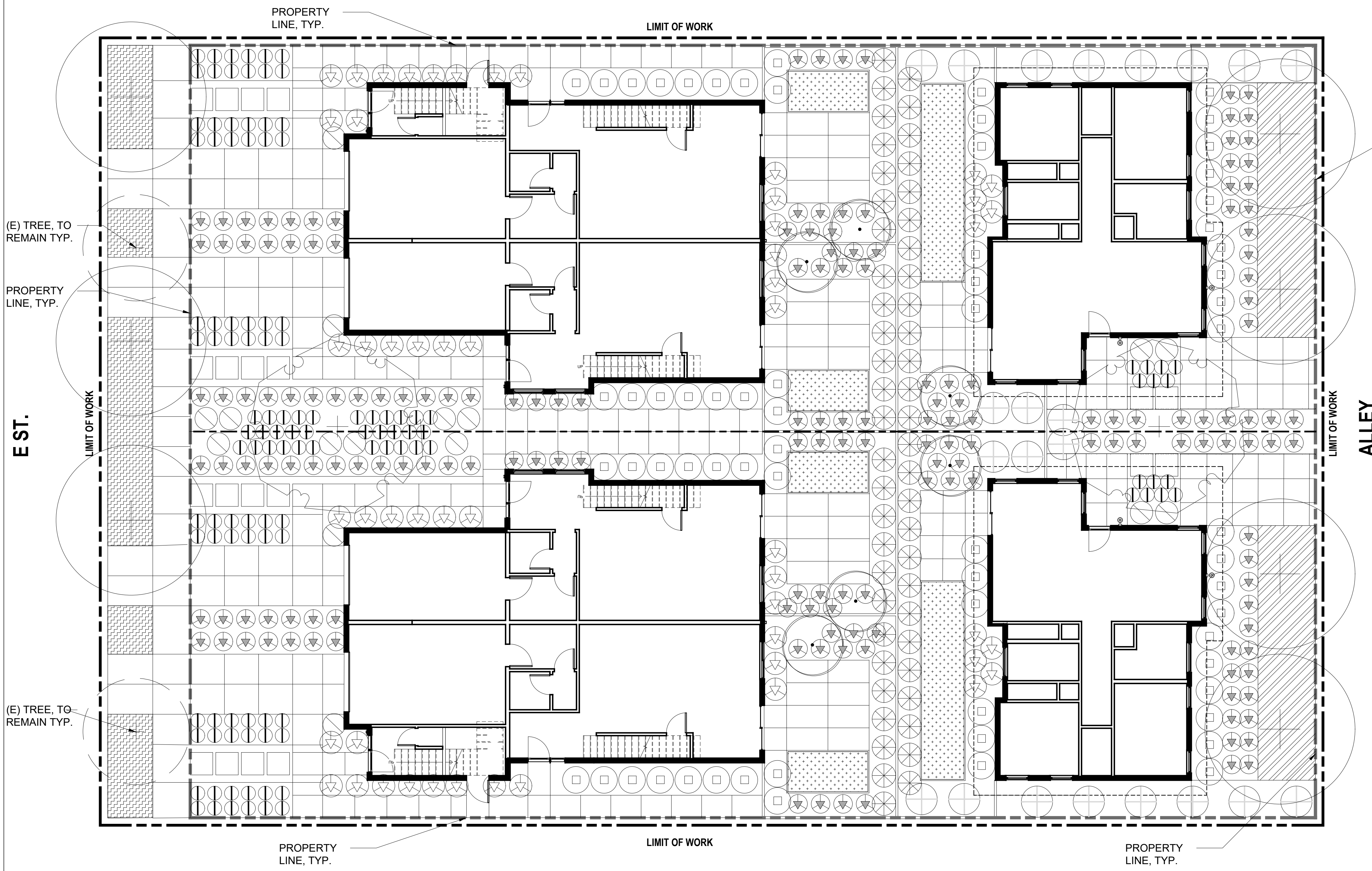
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LANDSCAPE ENTITLEMENTS

121 & 123 EST
ROSEVILLE, CA 95687

LANDSCAPE PLAN

L1.01



PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME
TREES		
(+)	EXISTING TREE	EXISTING TREE
(●)	CERCIS OCCIDENTALIS	WESTERN REDBUD
(+)	PISTACIA CHINENSIS 'KIETH DAVEY'	CHINESE PISTACHE
(⊕)	ZELKOVA SERATTA 'GREEN VASE'	JAPANESE ZELKOVA
SHRUBS AND GROUNDCOVERS		
(⊗)	BULBINE FRUTESCENS 'HALLMARK ORANGE'	ORANGE STALKED BULBINE
()	HESPERALOE PARVIFLORA	RED YUCCA
(⊖)	LOMONDRA LONGIFOLIA 'LITTLE LIME'	LITTLE LIME MAT RUSH
(⊙)	OLEA EUROPEA 'LITTLE OLLIE'	LITTLE OLLIE OLIVE
(⊘)	PHORMIUM TENAX 'SURFER'	NEW ZEALAND FLAX
(⊠)	PITTOSPORUM TOBRIA 'WHEELER'S DWARF'	JAPANESE MOCK ORANGE
(⊕)	PODOCARPUS MACROPHYLLUS 'MAKI'	SHRUBBY YEW PODOCARPUS
SHRUBS AND GROUNDCOVERS		
(//)	CAREX DIVULSA	EUROPEAN GREY SEDGE
(⊞)	MYOPORUM PARVIFOLIM	TRAILING MYOPORUM
(.)	SYNTHETIC TURF	SYNTHETIC TURF
()	MULCH	

Rev. No.	Date	Description

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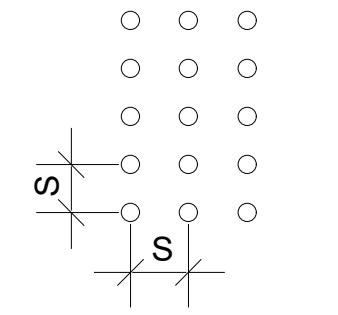
Date: DECEMBER 2021

Drawn By: SM

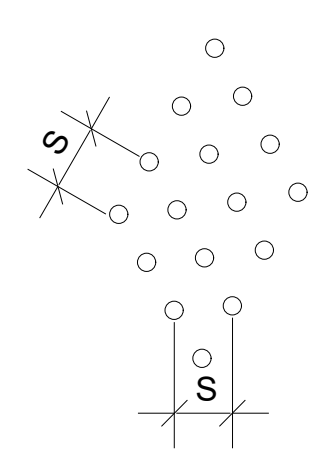
Approved By:



SQUARE SPACING

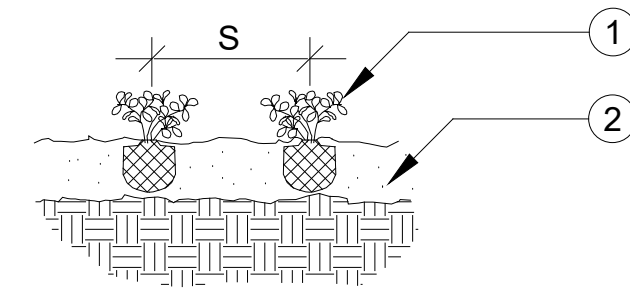


TRIANGULAR SPACING



S	SQ. FT. PLANTS WILL COVER	
	64 PLANTS	100 PLANTS
4"	7 SQ. FT.	11 SQ. FT.
6"	16 SQ. FT.	25 SQ. FT.
8"	28 SQ. FT.	44 SQ. FT.
10"	45 SQ. FT.	70 SQ. FT.
12"	64 SQ. FT.	100 SQ. FT.
15"	100 SQ. FT.	156 SQ. FT.
18"	144 SQ. FT.	225 SQ. FT.
24"	256 SQ. FT.	400 SQ. FT.

'S' REFERS TO SPACING

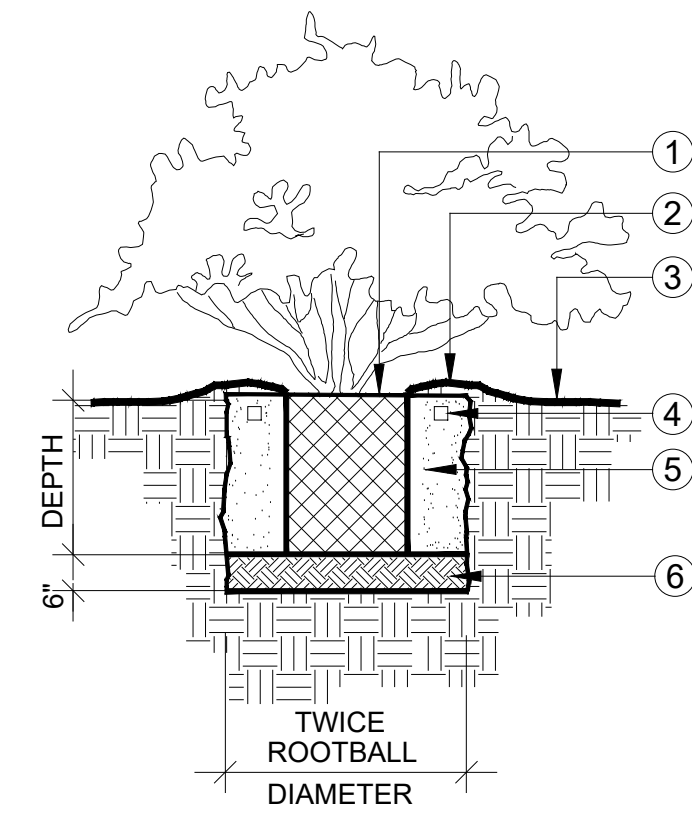


- ① GROUND COVER TO BE PLANTED IN FLATS, CUTTINGS, LINERS OR 1 GAL. CONTAINERS PER PLANS

- ② SOIL PREP - REFER TO PLANTING NOTES

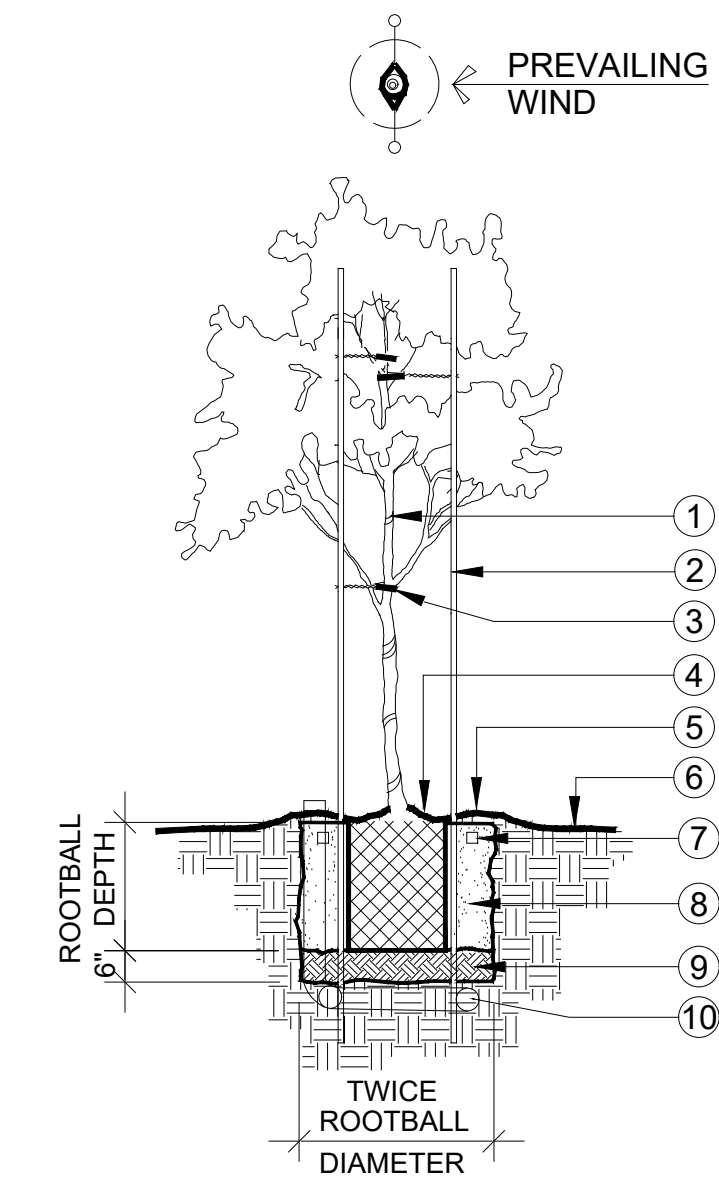
REFER TO PLANTING NOTES FOR ADDITIONAL SPECIFICATIONS

SECTION
NOT TO SCALE



- ① ROOTBALL CROWN SHALL BE 1" ABOVE FINISH GRADE. AVOID PLANTING SHRUBS DIRECTLY IN FRONT OF IRRIGATION SPRAY HEADS. PROVIDE CLEARANCE WHEN POSSIBLE
- ② 3" HIGH WATER RETENSION BASIN. FORM FROM PLANT PIT EXCAVATION. MAY BE RAKED OUT PRIOR TO OTHER WORK AS DIRECTED BY LANDSCAPE ARCHITECT
- ③ FINISH GRADE
- ④ FERTILIZER TABLETS PER PLANTING NOTES
- ⑤ PREPARED BACKFILL PER PLANTING NOTES
- ⑥ 6" ZONE OF OVER-EXCAVATED AND RE-COMPACTED NATIVE SOIL

SECTION
SCALE: 1" = 1'-0"



- ① TREE TRUNK
- ② 2" DIA. x 12' LONG MIN. LODGE POLE PINE STAKES: ONE STAKE FOR 5 GAL., TWO STAKES FOR 15 GAL. AND 24" BOX TREES, 3" DIAMETER x 12' LONG STAKES FOR 36" BOX AND LARGER.
- ③ NEW 1/2" %129 GREEN REINFORCED GARDEN HOSE, 18" LONG LOOPED AT EACH BRANCH WITH SINGLE STRAND OF #12 GALVANIZED WIRE. FASTEN TO STAKE BY DRILLING THROUGH THE CENTER AND THREADING THE WIRE THROUGH. WRAP WIRE ONCE AROUND STAKE AND TWIST TO SECURE. PROVIDE 2 TIES FOR 5 GAL. & 3 TIES FOR 15 GAL. AND LARGER TREES.
- ④ TREE ROOTBALL: 5 & 15 GAL. 1" ABOVE GRADE, 24" BOX & LARGER 3" ABOVE GRADE. TAPER ROOTBALL TO GRADE
- ⑤ 4" HIGH WATER RETENSION BASIN. FORM FROM PLANT PIT EXCAVATION. MAY BE RAKED OUT PRIOR TO OTHER WORK AS DIRECTED BY LANDSCAPE ARCHITECT
- ⑥ FINISH GRADE
- ⑦ FERTILIZER TABLETS PER PLANTING NOTES
- ⑧ PREPARED BACKFILL PER PLANTING NOTES
- ⑨ 6" ZONE OF OVER-EXCAVATED AND RE-COMPACTED NATIVE SOIL
- ⑩ SEE TREE ROOTBALL DRAINAGE AND AERATION DETAIL THIS SHEET

SECTION
SCALE: 1" = 1'-0"

A - GROUND COVER SPACING & LOCATION

B - SHRUB PLANTING

C - TREE PLANTING WITH ROOT BARRIER

LANDSCAPE ENTITLEMENTS

121 & 123 E ST
ROSEVILLE, CA 95687

Rev. No.	Date	Description

Scale:

Date: DECEMBER 2021

Drawn By: SM

Approved By:

PLANTING DETAILS



Development Services Department
 Building Division
 311 Vernon Street
 Roseville, California 95678-2649
 (916) 774-5332 • Fax (916) 774-5394

Residential Occupancies Application Checklist for Green Building Code Requirements

Based on the 2019 California Green Building Standards Code
 Comprehensive list of all green building code compliance measures for single family dwellings

The purpose of this code is to improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices. These measures shall be provided as a sheet within the master plans or on a compact disc or other available media at the time of plan review.

Feature or Measure	Levels			Verification Method		
	Applicant may voluntarily select measures for Tier 1 and Tier 2. Mandatory measure are required and checked below (not all items may apply to your specific project)			Applicant to select verification method for each measure OR check box immediately below to indicate verification method for all measures (items already selected will be verified by the Building Division)		
	Mandatory Measures	Voluntary Tiers		Building Inspector	Installer or Designer	Third party
	Tier 1	Tier 2	Building Inspector	Installer or Designer	Third party	
PLANNING AND DESIGN						
Site Selection						
A4.103.1 A site which complies with at least one of the following characteristics is selected: 1. An infill site is selected. 2. A greyfield site is selected. 3. An EPA-recognized Brownfield site is selected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.103.2 Facilitate community connectivity by one of the following methods: 1. Locate project within a 1/4-mile true walking distance of at least 4 basic services. 2. Locate project within 1/2-mile true walking distance of at least 7 basic services. 3. Other methods increasing access to additional resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site Preservation						
A4.104.1 An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deconstruction and Reuse of Existing Materials						
A4.105.2 Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused: 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site Development						
4.106.2 A plan is developed to manage storm water drainage during construction.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>

¹ Required prerequisite for this Tier. Residential Green Code Checklist Revised 12/21/2019

Feature or Measure	Levels			Verification Method		
	Applicant may voluntarily select measures for Tier 1 and Tier 2. Mandatory measure are required and checked below (not all items may apply to your specific project)			Applicant to select verification method for each measure OR check box immediately below to indicate verification method for all measures (items already selected will be verified by the Building Division)		
	Mandatory Measures	Voluntary Tiers		Building Inspector	Installer or Designer	Third party
	Tier 1	Tier 2	Building Inspector	Installer or Designer	Third party	
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.106.4 Provide capability for electric vehicle charging in one and two-family dwellings, townhouses with attached private garages, multifamily dwellings, and hotels/motels in accordance with Section 4.106.4.1, 4.106.4.2, or 4.106.4.3.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
A4.106.2.1 Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.2.2 Soil disturbance and erosion are minimized by at least one of the following: 1. Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy. 2. Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways. 3. Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.2.3 Topsoil shall be protected or saved for reuse as specified in this section. Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion. Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.3 Post construction landscape designs accomplish one or more of the following: 1. Areas disrupted during construction are restored to be consistent with native vegetation species and patterns. 2. Utilize at least 75 percent California or drought tolerant plant and tree species appropriate for the climate zone region.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.4 Permeable paving is utilized for the parking, walking or patio surfaces in compliance with the following: Tier 1. Not less than 20 percent of the total parking, walking or patio surfaces shall be permeable. Tier 2. Not less than 30 percent of the total parking, walking or patio surfaces shall be permeable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.5 Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI) equal to or greater than the values specified in the applicable tables. Low-rise Residential Tier 1 roof covering shall meet or exceed the values contained in Table A4.106.5.1(1). Tier 2 roof covering shall meet or exceed the values contained in Table A4.106.5.1(2).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

¹ Required prerequisite for this Tier. Residential Green Code Checklist Revised 12/21/2019

Feature or Measure	Levels			Verification Method		
	Applicant may voluntarily select measures for Tier 1 and Tier 2. Mandatory measure are required and checked below (not all items may apply to your specific project)			Applicant to select verification method for each measure OR check box immediately below to indicate verification method for all measures (items already selected will be verified by the Building Division)		
	Mandatory Measures	Voluntary Tiers		Building Inspector	Installer or Designer	Third party
	Tier 1	Tier 2	Building Inspector	Installer or Designer	Third party	
High-rise Residential, Hotels and Motels						
Tier 1 roof covering shall meet or exceed the values contained in Table A4.106.5.1(3). Tier 2 roof covering shall meet or exceed the values contained in Table A4.106.5.1(4).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.6 Install a vegetated roof for at least 50 percent of the roof area. Vegetated roofs shall comply with requirements for roof gardens and landscaped roofs in the California Building Code, Chapters 15 and 16.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.7 Reduce non-roof heat islands for 50 percent of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed: 1. Trees or other plantings to provide shade and that mature within 15 years of planting. Trees should be native or adaptive to the region and climate zones and noninvasive; hardy and resistant to drought, insects and disease; easy to maintain (no frequent shedding of twigs, branches, unwanted fruit or seed pods); and suitable in mature size and environmental requirements for the site. Tree selection and placement should consider location and size of areas to be shaded, location of utilities, views from the structure, distance to sidewalks and foundations, overhangs onto adjacent properties and streets, other infrastructure and adjacent landscaping. In addition, shading shall not cast a shadow, as specified, on any neighboring solar collectors pursuant to Public Resources Code Section 25981, et seq. (Solar Shade Control Act). 2. Use high albedo materials with an initial solar reflectance value of at least 0.30 as determined in accordance with American Society for Testing and Materials (ASTM) Standards E1918 or C1549. 3. Use open grid pavement system or pervious or permeable pavement system. 4. Locate 50 percent of parking underground or use multilevel parking. 5. Other methods of reducing heat island effects acceptable to the enforcing agency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.8.1 Tier 1 and Tier 2 for one- and two-family dwellings and townhouses with attached private garages. Install a dedicated 208/240-volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit. A4.106.8.2 Provide capability for future electric vehicle charging in new multifamily dwellings, as specified. Tier 1. In 15 percent of total parking spaces. Tier 2. In 20 percent of total parking spaces.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.8.3 Provide electric vehicle spaces for new hotels and motels. Tier 1. Install EV spaces per Table A4.106.8.3.1. Tier 2. Install EV spaces per Table A4.106.8.3.2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.9 Provide bicycle parking facilities as noted below. Number of bicycle parking spaces may be reduced, as approved by the enforcing agency, due to building site characteristics, including but not limited to, isolation from other development. 1. Provide short-term bicycle parking, per Section A4.106.9.1. 2. Provide long-term bicycle parking for multifamily buildings, per	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Section A4.106.9.2 3. Provide long-term bicycle parking for hotel and motel buildings, per Section A4.106.9.3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.106.10 [HR] Outdoor lighting systems shall be designed and installed to comply with: 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table A4.106.10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy Efficiency						
General						
4.201.1 Building needs to exceed the requirements of the California Building Energy Efficiency Standards.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Performance Approach for Newly Constructed Buildings						
A4.203.1.1.1 Tier 1 and Tier 2. Total Energy Design Rating (Total EDR) and Energy Efficiency Design Rating (Efficiency EDR) for the Proposed Design Building is included in the Certificate of Compliance documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.203.1.1.2 Tier 1 and Tier 2. Quality Insulation Installation procedures specified in the Building Energy Efficiency Standards Reference Appendices RA3.5 are completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.203.1.2 Tier 1 and Tier 2 prerequisite options. One of the following options is required: • Roof deck insulation or ducts in conditioned space. • High-performance walls. • HERS-verified compact hot water distribution system. • HERS-verified drain water heat recovery.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.203.1.3.1 Tier 1: Buildings complying with the first level of advanced energy efficiency shall have additional integrated efficiency and onsite renewable energy generation to achieve a Total EDR for Tier 1 as specified in Table A4.203.1.1.1 or lower as calculated by Title 24, Part 6 Compliance Software approved by the Energy Commission. This Total EDR is in addition to meeting the Efficiency EDR.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.203.1.3.2 Tier 2: Buildings complying with the second level of advanced energy efficiency shall have additional integrated efficiency and onsite renewable energy generation to achieve a Total EDR for Tier 2, Part 6 Compliance Software approved by the Energy Commission. This Total EDR is in addition to meeting the Efficiency EDR.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Efficiency and Conservation						
Indoor Water Use						

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	Tier 1	Tier 2	Building Inspector	Installer or Designer	Third party	
4.303.1.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA Water Sense Specification for Tank-type Toilets.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. The effective flush volume of all other urinals shall not exceed 0.5 gallons per flush.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA Water Sense Specification for Showerheads.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.4.1 Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.4.3 Metering faucets in residential buildings shall not deliver more than 0.2 gallons per cycle.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>
A4.303.2 Alternate water source for non-potable applications. Alternate non-potable water sources are used for indoor potable water reduction. Alternate non-potable water sources shall be installed in accordance with the California Plumbing Code.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.303.3 Install at least one qualified ENERGY STAR dishwasher or clothes washer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.303.4 Non-water supplied urinals or waterless toilets are installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
A4.303.5 Hot water recirculation systems. One- and two-family dwellings shall be equipped with a demand hot water recirculation system, as defined in Chapter 2. The demand hot water recirculation system shall be installed in accordance with the California Plumbing Code, California Energy Code, and the manufacturer's installation instructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Outdoor Water Use						
4.304.1 New residential developments shall comply with California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), with City of Roseville amendments per the City adopted ordinance.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>

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A4.304.1 Rainwater catchment systems. An approved rainwater catchment system is designed and installed to use rainwater generated by at least 65 percent of the available roof area. Rainwater catchment systems shall be designed and installed in accordance with the California Plumbing Code.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.304.2 Potable water elimination. When landscaping is provided and as allowed by local ordinance, a water efficient landscape irrigation design that eliminates the use of potable water beyond the initial requirements for plant installation and establishment should be provided. Methods used to accomplish the requirements of this section must be designed to the requirements of the California Building Standards Code and shall include, but not be limited to, the following: 1. Use of captured rainwater. 2. Use of recycled water. 3. Water treated for irrigation purposes and conveyed by a water district or public entity. 4. Use of graywater (if approved by Roseville E.U.). 5. Use of drought tolerant plants.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.304.3 For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate sub-meters or metering devices for outdoor potable water use.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WATER REUSE SYSTEMS						
A4.305.1 Piping is installed to permit future use of a graywater irrigation system served by the clothes washer or other fixtures.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.305.2 Recycled water piping is installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.305.3 Recycled water is used for landscape irrigation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY						
Foundation Systems						
A4.403.1 A Frost-protected Shallow Foundation (FPSF) is designed and constructed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.403.2 Cement used in foundation mix design is reduced. Tier 1. Not less than a 20 percent reduction in cement use. Tier 2. Not less than a 25 percent reduction in cement use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Efficient Framing Techniques						
A4.404.1 Beams and headers and trimmers are the minimum size to adequately support the load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.404.2 Building dimensions and layouts are designed to minimize waste.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.404.3 Use premanufactured building systems to eliminate solid sawn lumber whenever possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.404.4 Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material Sources						
A4.405.1 One or more of the following building materials, that do not require additional resources for finishing are used: 1. Exterior trim not requiring paint or stain 2. Windows not requiring paint or stain 3. Siding or exterior wall coverings which do not require paint or stain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.405.2 Floors that do not require additional coverings are used including but not limited to stained, natural or stamped concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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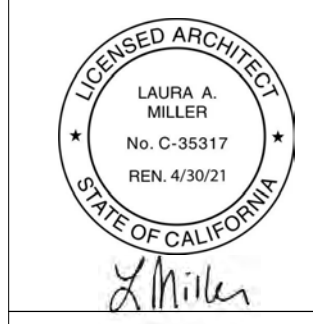
117, 117 A, 117 B & 119 E STREET
 ROSEVILLE, CA

No.	Date	Description

Sheet Name:
CALGREEN CHECKLIST

Scale:

Date:
 JAN 2021
 Drawn By:
 L.M.
 Approved By:
 OWNERS
 Sheet Number:



117, 117 A, 117 B & 119 E STREET
ROSEVILLE, CA

No.	Date	Description

Sheet Name: CALGREEN CHECKLIST CONT.

Scale: _____

Date: JAN 2021
 Drawn By: L.M.
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Mandatory Measures	Voluntary Tiers	Inspector	Designer	Third party		
	Tier 1	Tier 2	All	All	All	
floors.						
A4.405.3 Postconsumer or pre-consumer recycled content value (RCV) materials are used on the project. Tier 1. Not less than a 10-percent recycled content value. Tier 2. Not less than a 15-percent recycled content value.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.405.4 Renewable source building products are used.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enhanced Durability and Reduced Maintenance						
4.406.1 Annular spaces around pipes, electric cables, conduits, or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Resistance and Moisture Management						
A4.407.1 Install foundation and landscape drains.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.407.2 Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bio-swale, rainwater capture system or other approved on-site location.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.407.3 Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.407.4 Protect building materials delivered to the construction site from rain and other sources of moisture.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.407.6 Exterior doors to the dwelling are protected to prevent water intrusion.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.407.7 A permanent overhang or awning at least 2 feet in depth is provided.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Waste Reduction, Disposal and Recycling						
4.408.1 A construction waste management plan shall be submitted for approval that: 1. Identifies the materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specifies if materials will be sorted on-site or moved for transportation to a diversion facility. 3. Identifies the diversion facility where the material collected will be taken. 4. Identifies construction methods employed to reduce the amount of waste generated. 5. Specifies that the amount of materials diverted shall be calculated by weight or volume, but not both. This may be done by completing the 'Construction & Demolition Waste Management Plan Resource Guide for Contractors' form that is required for this project by local ordinance (RMC Sec. 9.17). This is available online. This documents shall be provided to both the Building Division and the Solid Waste Division. This can be submitted to the Solid Waste Division for submittal via email or in person. Receipts shall be provided to inspector prior to final for compliance with Documentation requirement of Sec. 4.408.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.408.1 Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following: ¹ Required prerequisite for this Tier. Residential Green Code Checklist Revised 12/21/2019						

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Mandatory Measures	Voluntary Tiers	Inspector	Designer	Third party		
	Tier 1	Tier 2	All	All	All	
1. Tier 1 at least a 65 percent reduction. Any mixed recyclables that are sent to mixed-waste recycling facilities shall include a qualified third party verified facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency. 2. Tier 2 at least a 75 percent reduction with a third-party verification. Exception: Equivalent waste reduction methods are developed by working with local agencies.		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Building Maintenance and Operation						
4.410.1 At the time of final inspection, a manual, compact disk, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building: 1. Directions that the manual stays with the house for the life cycle of the structure. 2. Operation and maintenance instructions for equipment, appliances, including water-saving devices and systems, HVAC systems, water-heating systems and other major appliances and equipment. Roof and yard drainage, including gutters and downspouts. Space conditioning systems, including condensers and air filters. Landscape irrigation systems. Water reuse systems. 3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations. 4. Public transportation and/or carpool options available in the area. 5. Educational material on the positive impacts of an interior relative humidity between 30-60% and what methods on occupant may use to maintain the relative humidity level in that range. 6. Information about water conserving landscape and irrigation design and controllers which conserve water. 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. A copy of all special inspection verifications required by the enforcing agency or this code.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.410.2 Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals that meet a lawfully enacted local recycling ordinance, if more restrictive. See exception for rural jurisdictions.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ENVIRONMENTAL QUALITY						
Fireplaces						
4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances. Please	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Mandatory Measures	Voluntary Tiers	Inspector	Designer	Third party		
	Tier 1	Tier 2	All	All	All	
complete an Air Quality Certificate of Compliance for Residential Construction. This can be downloaded on our website.						
Pollutant Control						
4.504.1 At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.1 Adhesives, sealants and caulks shall meet VOC limits of Table 4.504.1 or Table 4.504.2 and other toxic compounds.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits of Table 4.504.3.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.3 Aerosol paints and coatings shall be compliant with product-weighted MIR limits for ROC and other toxic compounds.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used: <input type="checkbox"/> Manufacturer's product specification. <input type="checkbox"/> Field verification of on-site product containers.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3 Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of one of the following: <input type="checkbox"/> Carpet and Rug Institute's Green Label Plus Program <input type="checkbox"/> California Department of Public Health Standard Practice for the testing of VOCs <input type="checkbox"/> NSF/ANSI 140 at the Gold level <input type="checkbox"/> Scientific Certifications Systems Indoor Advantage Gold	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.4 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall comply with one or more of the following: 1. Products compliant with the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350), certified as a CHPS Low-Emitting Material in the Collaborative for High Performance Schools (CHPS) High Performance Products Database. 2. Products certified under UL GREENGUARD Gold (formerly the Green Guard Children & Schools program). 3. Certification under the Resilient Floor Covering Institute (RFCI) Floor Score program. 4. Meet the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.1, February 2010 (also known as Specification 01350).	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Mandatory Measures	Voluntary Tiers	Inspector	Designer	Third party		
	Tier 1	Tier 2	All	All	All	
4.504.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CFR 93120 et seq.), by or before the dates specified in those sections, as shown in Table 4.504.5.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.504.5.1 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: 1. Product certifications and specifications. 2. Chain of custody certifications. 3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.). 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269, European EN 13986, and Canadian CSA O151, CSA O153 and CSA O325 standards. 5. Other methods acceptable to the enforcing agency.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.504.1 Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.504.2 Install VOC compliant resilient flooring systems. Tier 1. At least 90 percent of the resilient flooring installed shall comply. Tier 2. At least 100 percent of the resilient flooring installed shall comply.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.504.3 Thermal insulation installed in the building shall meet the following requirements: Tier 1. Install thermal insulation in compliance with VOC limits. Tier 2. Install insulation which contains No-Added Formaldehyde (NAF) and is in compliance with Tier 1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior Moisture Control						
4.505.2.1 Capillary break. A capillary break shall be installed in compliance with at least one of the following: 1. A 4-inch-thick (101.6 mm) base of 1/2 inch (12.7 mm) or larger clean aggregate shall be provided with a vapor retarder in direct contact with concrete and a concrete mix design, which will address bleeding, shrinkage, and curing, shall be used. For additional information, see American Concrete Institute, ACI 302.2R-06. 2. Other equivalent methods approved by the enforcing agency. 3. A slab design specified by a licensed design professional.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.505.3 Moisture content of building materials. Building materials with visible signs of water damage shall not be installed. Wall and floor framing shall not be enclosed when the framing members exceed 19-percent moisture content. Moisture content shall be verified in compliance with the following: 1. Moisture content shall be determined with either a probe-type or contact-type moisture meter. Equivalent moisture verification methods may be approved by the enforcing agency and shall satisfy requirements found in Section 101.8 of this code.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
¹ Required prerequisite for this Tier. Residential Green Code Checklist Revised 12/21/2019						

Feature or Measure	Levels		Verification Method			
	Applicant may voluntarily select measures for Tier 1 and Tier 2		Applicant to select verification method for each measure OR check box immediately below to indicate verification method for all measures (items already selected will be verified by the Building Division)			
	Mandatory measure are required and checked below (not all items may apply to your specific project)		Building Inspector	Installer or Designer	Third party	
Mandatory Measures	Voluntary Tiers	Inspector	Designer	Third party		
	Tier 1	Tier 2	All	All	All	
2. Moisture readings shall be taken at a point 2 feet (610 mm) to 4 feet (1219 mm) from the grade stamped end of each piece to be verified. 3. At least three random moisture readings shall be performed on wall and floor framing with documentation acceptable to the enforcing agency provided at the time of approval to enclose the wall and floor framing. Insulation products which are visibly wet or have a high moisture content shall be replaced or allowed to dry prior to enclosure in wall or floor cavities. Wet-applied insulation products shall follow the manufacturers' drying recommendations prior to enclosure.						
Indoor Air Quality and Exhaust						
4.506.1 Bathrooms exhaust fans. Each bathroom shall be provided with the following: 1. ENERGY STAR fans ducted to terminate outside the building. 2. Fans must be controlled by a humidity control (separate or built-in); OR functioning as a component of a whole-house ventilation system. 3. Humidity controls with manual or automatic means of adjustment, capable of adjustment between a relative humidity range of <= 50 percent to a maximum of 80 percent.	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.506.2 Construction Filter, [HR] Provide filters on return air openings, rated at MERV 8 or higher during construction.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A4.506.3 Direct-vent appliances shall be used when equipment is located in conditioned space; or the equipment must be installed in an isolated mechanical room.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental Comfort						
4.507.2 Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2016 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D-2016 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS						
702.1 HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
703.1 Verification of compliance with this code may include certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
¹ Required prerequisite for this Tier. Residential Green Code Checklist Revised 12/21/2019						